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UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abington Textile Machinery Works, North Abington, Mass. Machines used in textile manufacture. Serial No. 600,640, Jan. 1. Class 23.

Acritex, Inc., New York, N. Y. Varnishes. Serial No. 599,545, Jan. 1. Class 16.

Alms Chocolated Pharmaceuticals, Inc., Brooklyn, N. Y. Chocolated sulfathiazole. Serial No. 599,684, Jan. 1. Class 18.

Aircraft Electronics Associates, Incorporated, Hartford, Conn. Electrical apparatus. Serial No. 583,015, Jan. 1. Class 26.

Aktiebolaget Åtvidaberg-Facit, Atvidaberg, Sweden. Adding and listing machines. Serial No. 610,944, Jan. 1. Class 26.

Alkydol Laboratories, Inc., Cicero, Ill. Polymer and copolymer dispersions. Serial No. 599,739, Jan. 1. Class 6.

Allen Advertising Agency, Chicago, Ill. Advertising service. Serial Nos. 611,465–6, Jan. 1. Class 101.

Ambassador Christian Educational Film Association, Chicago, Ill. Christian educational sound motion pictures. Serial No. 575,799, Jan. 1. Class 26.

Ambory Corporation, The, Hazel Park, Mich. Electrical immersion water heaters. Serial No. 606,742, Jan. 1. Class 21.

Amend, Fred W., Co., Chicago, Ill. Candy. Serial No. 596,966, Jan. 1. Class 46.

American Camping Association, Inc., Chicago, Ill. Periodicals. Serial No. 596,470, Jan. 1. Class 38.

American Cyanamid Company, New York, N. Y. Insecticide. Serial No. 615,102, Jan. 1. Class 6.

American Electric Products Corp., New York, N. Y. Spark plugs. Serial No. 580,866, Jan. 1. Class 21.

American Hydrotherm Corp., New York, N. Y. Engineering services. Serial No. 595,701, Jan. 1. Class 100.

American Lava Corporation, Chattanooga, Tenn. Fired ceramic shapes. Serial No. 580,174, Jan. 1. Class 30.

American Machine and Foundry Company, New York, N. Y. Tobacco processing machinery. Serial No. 565,530, Jan. 1. Class 23.

American Mercantile Company: *See*—
Klein, William.

American Securities Corporation, New York, N. Y., Chicago, Ill., and Boston, Mass. Investment banking. Serial No. 597,375, Jan. 1. Class 102.

Andres, Rachel: *See*—
Propper, Rachel F.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Face, body and hair make-up and care. Serial No. 581,927, Jan. 1. Class 100.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 611,468, Jan. 1. Class 19.

"Arocna": *See*—
Mondial Company, Inc.

Associated Merchandising Corporation, The, New York, N. Y. Wool hooked rugs. Serial No. 610,488, Jan. 1. Class 42.

Association of Better Business Bureaus, Inc., New York, N. Y. Investigative and information services. Serial No. 598,411, Jan. 1. Class 101.

Astra Pharmaceutical Products, Inc., Worcester, Mass. Pharmaceutical preparations. Serial No. 612,481, Jan. 1. Class 18.

Atlanta Milling Company, Atlanta, Ga. Wheat flour. Serial No. 569,424, Jan. 1. Class 46.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Automatic sprinkler systems. Serial No. 608,847, Jan. 1. Class 13.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Automatic sprinkler systems. Serial No. 608,855, Jan. 1. Class 13.

Band-It Company, Denver, Colo. Maintenance of tools for applying industrial pressure clamps. Serial No. 552,414, Jan. 1. Class 103.

Barber Blade Co., The: *See*—
Mitchell, Glenn C., Sr.

Barber Razor Blade Co.: *See*—
Mitchell, Glenn C., Sr.

Bastian-Blessing Company, The, Chicago, Ill. Soda fountains, beverage dispensing machines and machines for carbonating beverages. Serial No. 593,051, Jan. 1. Class 23.

Bath Maid, Inc., Andrews, Ind. Bathroom cabinets, lavatory storage cabinets, side storage cabinets, etc. Serial No. 597,491, Jan. 1. Class 32.

Baumann, Marcia Pruitt, & Son, Los Angeles, Calif. Hair dressing. Serial No. 580,118, Jan. 1. Class 51.

Beaird, J. B., Company, Inc., The, Shreveport, La. Liquified petroleum gas storage tanks. Serial No. 555,589, Jan. 1. Class 2.

Bealer, William F., doing business as My Word Wheel Company, Belvidere, Ill. Vocabulary charts. Serial No. 588,930, Jan. 1. Class 38.

Beamon, Amos R., Los Angeles, Calif. Electrical machines used in the treatment of high blood pressure. Serial No. 610,668, Jan. 1. Class 44.

Belfast Beverages, Inc., San Francisco, Calif. Root beer. Serial No. 602,543, Jan. 1. Class 45.

Belknap Hardware and Manufacturing Company, Louisville, Ky. Wheelbarrows. Serial No. 613,965, Jan. 1. Class 19.

Berivon Company, The, Meridian, Miss. Fracture fixing pins. Serial No. 613,434, Jan. 1. Class 44.

Bird & Son, Inc., East Walpole, Mass. Felt base ornamental surfaced wall-covering, floor covering and counter topping. Serial No. 610,818, Jan. 1. Class 20.

Bjarne Eckhoff's Konservesfabrik, A/S, Odense, Denmark. Canned ham. Serial No. 604,353, Jan. 1. Class 46.

Blake, William J., Sandy, Oreg. Bulldozers and scarifiers. Serial No. 597,998, Jan. 1. Class 23.

Bock, H. Anton, Co. Inc., New York, N. Y. Cigars. Serial No. 544,033, Jan. 1. Class 17.

Borden Company, The, New York, N. Y. Cement filler. Serial No. 611,999, Jan. 1. Class 12.

Borden Company, The, New York, N. Y. Monthly publication. Serial No. 612,892, Jan. 1. Class 38.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. Serial No. 591,909, Jan. 1. Class 39.

Bray & Macgeorge: *See*—
De Marco, Lewis D.

Bright, T. G., & Co., Limited, Township of Stamford and Niagara Falls, Ontario, Canada. Wines. Serial No. 576,619, Jan. 1. Class 47.

Bright, T. G., & Co., Limited, Township of Stamford and Niagara Falls, Ontario, Canada. Wines. Serial No. 576,624, Jan. 1. Class 47.

British Cod Liver Oils (Hull & Grimsby) Limited, Hull, England. Fish oils. Serial No. 575,818, Jan. 1. Class 46.

Brooklyn Telephone Answering Service: *See*—
Schiller, Solomon S.

Brown, Himan, New York, N. Y. Entertainment service. Serial No. 596,976, Jan. 1. Class 107.

Brown, Samuel R., doing business as Romance of California, Los Angeles, Calif. Girdles and panty girdles. Serial No. 497,843, Jan. 1. Class 39.

Bruder, M. A., & Sons, Incorporated, Philadelphia, Pa. Industrial paint finish. Serial No. 603,044, Jan. 1. Class 16.

Buckeye Soda Company, The, Painesville, Ohio. Fire extinguishing liquid. Serial No. 614,647, Jan. 1. Class 6.

Bulk Razor Blade Co.: *See*—
Mitchell, Glenn C., Sr.

California Citrus Processors: *See*—
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California Fruit Exchange, Sacramento, Calif. Fresh deciduous fruits. Serial No. 585,699, Jan. 1. Class 46.

Calo Dog Food Company, Inc., Oakland, Calif. Canned dog food. Serial No. 611,590, Jan. 1. Class 46.

Canadian Benaudi Company Limited, assignor to Erich Hausdorf, Ottawa, Ontario, Canada. Telephonic and telegraphic apparatus and parts thereof, etc. Serial No. 605,702, Jan. 1. Class 21.

Capitol Amusements, Inc., Erwin, Tenn. Entertainment service. Serial No. 611,601, Jan. 1. Class 107.

Car-X Co.: *See*—
Orbach, Fred.

Cathedral Recording Company, Glendale, Calif. Mechanically grooved phonograph records. Serial No. 604,356, Jan. 1. Class 36.

Cavalier-Gulling-Wilson Company, The, Cleveland, Ohio. Garlic. Serial No. 611,399, Jan. 1. Class 46.

Central Soya Company, Inc., Fort Wayne, Ind. Concentrate for livestock and poultry feed. Serial No. 580,048, Jan. 1. Class 46.

Century Products Co.: *See*—
Willoughby, George V.

Chagrin Falls Chemicals, Inc.: *See*—
General Biochemicals, Inc.

Chapman, Wayne L., Dallas, Tex. Women's dresses. Serial No. 613,867, Jan. 1. Class 39.

Chicago Pump Company, Chicago, Ill. Machine intended to be interposed in and across a sewage stream. Serial No. 587,712, Jan. 1. Class 23.

Chi Phi Fraternity, The, Atlanta, Ga. Organizing of chapters in a national collegiate fraternity and maintaining membership therein, etc. Serial No. 596,262, Jan. 1. Class 100.

Concord Manufacturing Corporation, Providence, R. I. Jewelry. Serial No. 601,095, Jan. 1. Class 28.

Consolidated Cosmetics, Chicago, Ill. Lipsticks, face powder, hand lotion, etc. Serial No. 575,331, Jan. 1. Class 51.

Craft, Irene P., Ridgewood, N. J., assignor to J. L. Younghusband, Chicago, Ill. Perfumes. Serial No. 590,653, Jan. 1. Class 51.

Croft Brewing Company, The, Wilmington, Del., and Roxbury, Boston, Mass. Ale. Serial Nos. 594,620–1, Jan. 1. Class 48.

Daggett & Ramsdell, Inc., Newark, N. J. Soap and soap powder. Serial No. 606,598, Jan. 1. Class 52.

D'Alesandro, Nancy, Baltimore, Md. Beautifier vaporizer for treatment of the skin. Serial No. 586,627, Jan. 1. Class 44.

Dan River Mills, Incorporated, Danville, Va. Gingham piece goods. Serial No. 611,563, Jan. 1. Class 42.

Davis, Jack, New York, N. Y. Fabrics in the piece. Serial No. 610,781, Jan. 1. Class 42.

Daystrom, Incorporated, Elizabeth, N. J. Plastic-coated tubular furniture. Serial No. 612,850, Jan. 1. Class 32.

Daystrom, Incorporated, Elizabeth, N. J. Chromed steel tubular, plastic, and wooden furniture. Serial No. 613,401, Jan. 1. Class 32.

Defense Committee for the Flax and Linen Industry in Belgium, Tielt, Belgium. Linen piece goods. Serial No. 601,426, Jan. 1. Class 42.

De Marco, Lewis D., doing business under the style and firm name of Bray & Macgeorge, Vineland, N. J. General real estate brokerage. Serial No. 591,224, Jan. 1. Class 102.

De Martini Macaroni Co., Inc., The, Brooklyn, N. Y. Macaroni, spaghetti and egg noodles. Serial No. 609,539, Jan. 1. Class 46.

Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Decorative paint. Serial No. 559,462, Jan. 1. Class 16.

Douglas Furniture Corporation, Chicago, Ill. Chairs. Serial No. 610,121, Jan. 1. Class 32.

Dubuque Awning & Tent Company, Dubuque, Iowa. Portable heat reflecting and fire-resistant shields. Serial No. 597,070, Jan. 1. Class 34.

Dy-Chek Company: *See*—
Northrop Aircraft, Inc.

Ekco Products Company, Chicago, Ill. Culinary tools. Serial No. 598,718, Jan. 1. Class 23.

Ender, Louis, New York, N. Y. Fruit preserves, bakers' supplies. Serial No. 565,694, Jan. 1. Class 46.

Enpro Engineered Products: *See*—
Evelyn, Steven F.

Ercona Camera Corporation, New York, N. Y. Photographic lenses. Serial No. 613,980, Jan. 1. Class 26.

Esquire Sportswear Co., New York, N. Y. Trade publication. Serial No. 614,403, Jan. 1. Class 38.

Evelyn, Steven F., doing business as Enpro Engineered Products, Springfield, Mass. Counseling service. Serial No. 563,455, Jan. 1. Class 100.

Extraction & Chemical Company Inc., New York, N. Y. Mouthwashes. Serial No. 585,919, Jan. 1. Class 51.

Fair Lawn Finishing Company, Fair Lawn, N. J. Heat setting of nylon and acrylic fabrics in the piece. Serial No. 561,814, Jan. 1. Class 10d.

Falls Stamping & Welding Co., The, Cuyahoga Falls, Ohio. Metal products. Serial No. 590,016, Jan. 1. Class 12.

Fay, W., Company: *See*—
Woo, George.

Federal Equipment Company, Washington, D. C. Office desks and tables, and structural parts thereof. Serial No. 601,494, Jan. 1. Class 32.

Ferris Instrument Company, Boonton, N. J. Electrical signal generators and parts thereof. Serial No. 571,385, Jan. 1. Class 26.

Filotecnica Salmoiraghi Societa per Azioni, Milan, Italy. Theodolites; tachometers; telescope levels, etc. Serial No. 602,388, Jan. 1. Class 26.

First National Stores Inc., Somerville, Mass. Dried vegetables. Serial No. 549,431, Jan. 1. Class 46.

Flood Safety Products Company, Chicago, Ill. Plastic cover lens. Serial No. 586,155, Jan. 1. Class 26.

Floreskul, Stanley, doing business as The SF Laboratories, Boston, Mass. Toilet soaps, cream shampoos, etc. Serial No. 597,034, Jan. 1. Class 52.

Fo-Jo Studio, De Soto, Mo. Processing photographic film. Serial No. 594,708, Jan. 1. Class 106.

Ford, Edward H., New York, N. Y. Entertainment services. Serial No. 537,443, Jan. 1. Class 107.

Forster Manufacturing Company, Inc., The, Farmington, Maine. Toothpicks. Serial No. 516,476, Jan. 1. Class 44.

Fraser Paper, Limited, Madawaska, Maine. Coated papers. Serial No. 591,985, Jan. 1. Class 37.

Freezing Equipment Sales, Inc., York, Pa. Automatic quick freezing machines. Serial No. 600,827, Jan. 1. Class 31.

Friendly Neighbor Service, Inc., Falls Church, Va., and District of Columbia. Advertising services. Serial No. 604,362, Jan. 1. Class 101.

Fruehauf Trailer Company, Detroit, Mich. General cargo van trailers, live stock trailers, refrigerated trailers, etc. Serial No. 607,425, Jan. 1. Class 19.

Garner & Co., New York, N. Y. Receptacle. Serial No. 606,215, Jan. 1. Class 2.

General Biochemicals, Inc., now by change of name, Chagrin Falls Chemicals, Inc., assignor, by mesne assignments, to General Biochemicals, Inc., (1951), Chagrin Falls, Ohio. Ice cream stabilizer. Serial No. 599,938, Jan. 1. Class 46.

General Biochemicals, Inc. (1951): *See*—
General Biochemicals, Inc.

General Controls Co., Glendale, Calif. Transformers; relays; valves operated by an electric motor. Serial No. 553,843, Jan. 1. Class 21.

General Floor Company Incorporated, New York, N. Y. Fabrication of concrete floors. Serial No. 562,356, Jan. 1. Class 103.

General Motors Corporation, Detroit, Mich. Complete power transmission units. Serial No. 554,107, Jan. 1. Class 23.

Glen Raven Cotton Mills, Inc., Glen Raven, N. C. Fabrics of cotton, wool or synthetic fibers. Serial No. 609,796, Jan. 1. Class 42.

Goldberg, Joseph, & Sons, Inc., Paterson, N. J. Men's, ladies', misses' and children's suits and coats. Serial No. 612,252, Jan. 1. Class 39.

Goodrich, B. F. Company, The, New York, N. Y., and Akron, Ohio. Flexible floor covering. Serial No. 612,068, Jan. 1. Class 20.

Goshen Manufacturing Company, Goshen, Ind. Outdoor furniture. Serial No. 564,939, Jan. 1. Class 32.

Grand Rapids Chair Company, Grand Rapids, Mich. Lounge chairs, lamp tables, cocktail tables, etc. Serial No. 608,989, Jan. 1. Class 32.

Grand Rapids Store Equipment Company, Grand Rapids, Mich. System of store furniture. Serial No. 588,435, Jan. 1. Class 32.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Liquid air purifier and deodorant. Serial No. 614,622, Jan. 1. Class 6.

Gregg Lumber Company, Grand Rapids, Mich. Plaster aggregate. Serial No. 591,294, Jan. 1. Class 12.

Greiner, Emil, Company, The, New York, N. Y. Periodical. Serial No. 610,967, Jan. 1. Class 38.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 602,693, Jan. 1. Class 27.

Gulf Brewing Company, Houston, Tex. Lager beer. Serial No. 585,325, Jan. 1. Class 48.

Gulf States Paper Corporation, Tuscaloosa, Ala. Wrapping paper. Serial No. 603,235, Jan. 1. Class 37.

Guss, David, & Company, Philadelphia, Pa. Holster and gun set. Serial No. 604,633, Jan. 1. Class 22.

Hachmeister-Inc., Pittsburgh, Pa. Yeast food. Serial No. 598,469, Jan. 1. Class 46.

Hadley, Charles R., Company, Los Angeles, Calif. Posting trays, rolling filing cabinets, rolling pedestals. Serial No. 593,347, Jan. 1. Class 32.

Haines, Leigh C., & Sons, Fort Fairfield, Maine. Potatoes. Serial No. 600,887, Jan. 1. Class 46.

Halladay, Nellie A., Minneapolis, Minn. Product demonstration, selling, and advertising services. Serial No. 587,547, Jan. 1. Class 101.

Harris, William M., New York, N. Y. Pictorial advertising signs. Serial No. 603,367, Jan. 1. Class 38.

Hausdorf, Erich, assignee: *See*—
Canadian Benaudi Company Limited.

Hearst Corporation, The, New York, N. Y. Series of cartoons or comic strips. Serial Nos. 611,697–8, Jan. 1. Class 38.

Heller Company, The, White Plains, N. Y. Thermally insulated base metal ice vaults and buckets. Serial No. 489,118, Jan. 1. Class 2.

Henderson Bros. & Company Limited, London, England. Hair brushes, shaving brushes, nail brushes, etc. Serial No. 593,594, Jan. 1. Class 29.

Hercules Cycle and Motor Company Limited, Aston, Birmingham, England. Bicycle and component parts thereof. Serial No. 606,660, Jan. 1. Class 19.

Higley Chemical Company, Dubuque, Iowa. Oil-base varnishes. Serial No. 574,908, Jan. 1. Class 16.

Hirsch Bros. & Co. Inc., Louisville, Ky. Salad dressing, tomato ketchup, chili sauce, etc. Serial No. 601,674, Jan. 1. Class 46.

Hoffmann, Harri, Co., Milwaukee, Wis. Shoe polish and dressing. Serial No. 612,325, Jan. 1. Class 4.

Holeproof Hosiery Co., Milwaukee, Wis. Women's hosiery. Serial No. 611,276, Jan. 1. Class 39.

Hollywood Textile Converters, Los Angeles, Calif. Fabric. Serial No. 610,905, Jan. 1. Class 42.

Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Base metals. Serial No. 600,133, Jan. 1. Class 14.

Hungerford Packing Co., Inc., Hungerford, Pa. Canned vegetables and canned tomato juice. Serial No. 599,047, Jan. 1. Class 46.

Hyde Park Clothes, Inc., Newport, Ky. Men's suits, coats, topcoats, etc. Serial No. 607,127, Jan. 1. Class 39.

I. C. Publishing Co., Inc., New York, N. Y. Magazine. Serial No. 613,331, Jan. 1. Class 38.

I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breakers, switchgear, relays, bus runs, etc. Serial No. 571,968, Jan. 1. Class 21.

Independent Lock Company, Fitchburg, Mass. Locksmith's supplies. Serial No. 564,128, Jan. 1. Class 25.

Independent Pneumatic Tool Company, Chicago, Ill. Carrying cases. Serial No. 555,507, Jan. 1. Class 3.

Interchemical Corporation, New York, N. Y. Cloth, coated, impregnated, processed or treated with oil or oils. Serial No. 565,991, Jan. 1. Class 20.

International Broadcasting Corporation, Shreveport, La. Advertising of sponsor's goods and services. Serial No. 608,607, Jan. 1. Class 101.

International Harvester Company, Chicago, Ill. Refrigeration packaging products—namely sealing tape. Serial No. 601,793, Jan. 1. Class 5.

International Harvester Company, Chicago, Ill. Refrigeration packaging products. Serial No. 601,795, Jan. 1. Class 37.

International Harvester Company, Chicago, Ill. Refrigeration packaging products—namely sealing tape. Serial No. 601,796, Jan. 1. Class 5.

Johns–Manville Corporation, New York, N. Y. Diatomaceous silica. Serial No. 595,466, Jan. 1. Class 1.

Johnson Corporation, The, Three Rivers, Mich. Syphon unit. Serial No. 566,842, Jan. 1. Class 23.

Josephart, Herman, Miami Beach, Fla. Cooked chicken. Serial No. 589,789, Jan. 1. Class 46.

Kalene Corporation, Minneapolis, Minn. Water-less hand-cleaning paste. Serial No. 602,122, Jan. 1. Class 52.

Kenerson-Edgar Company, assignor to The Kenerson-Edgar Company, Cleveland, Ohio. Metal cleaning and polishing compound. Serial No. 598,655, Jan. 1. Class 4.

Kenerson-Edgar Company, The, assignee: *See*—
Kenerson-Edgar Company.

King, George, & Company Limited, London, England. Cereal preparations. Serial No. 556,015, Jan. 1. Class 46.

Kinkade & Company Inc., Boston, Mass. Services as insurance agent. Serial No. 608,208, Jan. 1. Class 102.

Kirk, Morris P., & Son, Inc., Los Angeles, Calif. Tin, zinc, lead and lead-antimony alloys. Serial No. 598,021, Jan. 1. Class 14.

Kleenzit Corporation, The, Brownsville, Tenn. Liquid chemical cleanser. Serial No. 591,488, Jan. 1. Class 52.

Klein, William, doing business as American Mercantile Company, San Francisco, Calif. Canned fish and canned shellfish. Serial No. 598,372, Jan. 1. Class 46.

Knoll Associates, Inc., New York, N. Y. Articles of furniture. Serial No. 594,383, Jan. 1. Class 32.

Knoll Associates, Inc., New York, N. Y. Articles of furniture. Serial No. 595,076, Jan. 1. Class 32.

Koochook Co., Inc., St. Louis, Mo. Automotive equipment. Serial No. 595,841, Jan. 1. Class 23.

Kooiker Manufacturing Company, The: *See*—
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Kooiker, Ralph L., doing business as The Kooiker Manufacturing Company, Hull, Iowa. Portable grain elevators. Serial No. 604,307, Jan. 1. Class 23.

Kress, S. H., and Company, New York, N. Y. Teaspoons, tablespoons, dessert spoons, etc. Serial No. 609,764, Jan. 1. Class 23.

Kuhlman Electric Co., Bay City, Mich. Transformers. Serial No. 585,650, Jan. 1. Class 21.

L & L Beauty Products, Pioche, Nev. Cosmetic preparations. Serial No. 613,076, Jan. 1. Class 51.

Lantz, Walter, Productions, Inc., Hollywood, Calif. Series of motion picture photoplays. Serial No. 613,922, Jan. 1. Class 26.

Laurentide Dairy Products Limited, Quebec, Quebec, Canada. Powdered milk. Serial No. 591,092, Jan. 1. Class 46.

Lee Pharmacal Co., Beverly Hills, Calif., assignor to Lever Brothers Company, New York, N. Y. Home cold wave refill kit. Serial No. 605,312, Jan. 1. Class 51.

Lee Products Co., Inc., The, Cleveland, Ohio. Accessories for electric vacuum cleaners. Serial No. 605,430, Jan. 1. Class 21.

Le Ripolin (Societe Anonyme Francaise de Peintures Laquees et d'Enduits Sous-Marins,—Procedes Lefranc & Briegleb Reunis), Paris, France. Submarine anti-fouling paints. Serial No. 575,995, Jan. 1. Class 16.

Lever Brothers Company, assignee: *See*—
Lee Pharmacal Co.

Lively Lad Manufacturing Company, Inc., Clarksville, Tenn. Hand tools. Serial No. 591,337, Jan. 1. Class 23.

Lubin-Weeker Co., Inc., New York, N. Y. Men's and boys' pajamas. Serial No. 613,716, Jan. 1. Class 39.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Dry cell electrical batteries. Serial No. 599,889, Jan. 1. Class 21.

Marine Development Corporation, Washington, D. C. Weather-proofing and water-proofing and fire-resisting material. Serial No. 613,880, Jan. 1. Class 6.

Marine Products Company, San Diego, Calif. Frozen fresh shrimp. Serial No. 606,535, Jan. 1. Class 46.

Marioness & Co., Inc., New York, N. Y. Eyeglass cases. Serial No. 578,983, Jan. 1. Class 26.

Marjack Co., Inc., The: *See*—
Marjack Company, The.

Marjack Company, The, also known as The Marjack Co., Inc., Washington, D. C. Popped corn. Serial No. 596,107, Jan. 1. Class 46.

Marques, Neves & Companhia, Limitada, Setubal, Portugal. Sardines. Serial No. 608,994, Jan. 1. Class 46.

Martin, Horace G., New York, N. Y. Electric latrines. Serial No. 502,907, Jan. 1. Class 13.

Mastic Asphalt Corporation, South Bend, Ind. Metal sheathed rigid exterior insulating building siding panels. Serial No. 591,744, Jan. 1. Class 12.

Mavest Inc., New York, N. Y. Sport jackets, suits, and topcoats. Serial No. 611,137, Jan. 1. Class 39.

Maxim Silencer Company, The, Hartford, Conn. Heat recovery silencers. Serial No. 541,853, Jan. 1. Class 34.

McBratney, Robert, & Company, Incorporated, New York, N. Y. Linen piece goods. Serial No. 610,570, Jan. 1. Class 42.

McGill Manufacturing Co., Inc., Valparaiso, Ind. Anti-friction bearings. Serial No. 614,308, Jan. 1. Class 23.

McMillan, John, Elko, Nev. Hand supported electric device. Serial No. 603,489, Jan. 1. Class 21.

Melodigrand Corp., New York, N. Y. Pianos. Serial No. 586,009, Jan. 1. Class 36.

Mercier, John A., Brick Co., Dearborn, Mich. Slag block and slag brick. Serial No. 601,269, Jan. 1. Class 12.

Merritt, E. W., Porterville, Calif. Fresh melons, fresh grapes, and fresh vegetables. Serial No. 548,091, Jan. 1. Class 46.

Meyer, H. B., & Son, Dallas, Tex. Preparation used for cleaning and polishing bathtubs, etc. Serial No. 593,493, Jan. 1. Class 52.

Michaels & Co., Inc., Brooklyn, N. Y. Combination television-radio-phonograph sets and parts thereof. Serial No. 614,003, Jan. 1. Class 21.

Mid-West Acoustical & Supply Co., The, Cleveland, Ohio. Aluminum suspension system for acoustical tiles. Serial No. 590,231, Jan. 1. Class 12.

Miltenberg, E., Inc., New York, N. Y. Dental operative instruments, surgical operative instruments, etc. Serial No. 609,690, Jan. 1. Class 44.

Mimar Products, Inc., Brooklyn, N. Y. Air circulator. Serial No. 598,537, Jan. 1. Class 34.

Minneapolis, St. Paul & Sault Ste. Marie Railroad Company, Minneapolis, Minn. Railroad passenger and freight transportation service. Serial No. 600,345, Jan. 1. Class 105.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Plastic sheet material. Serial No. 609,184, Jan. 1. Class 1.

Miron Mills, Inc., Clinton, Mass. Wool fabrics. Serial No. 610,448, Jan. 1. Class 42.

Mitchell, Glenn C., Sr., doing business under the names of Bulk Razor Blade Co., The Barber Blade Co., and Barber Razor Blade Co., Aurora, Ill. Razor blades. Serial No. 612,464, Jan. 1. Class 23.

Models Publishing Company, Inc., New York, N. Y. Section in a magazine. Serial No. 600,501, Jan. 1. Class 38.

Modern Materials Manufacturing Co., St. Louis, Mo. Dental flasking plaster. Serial No. 574,370, Jan. 1. Class 44.

Modern Methods, Incorporated, Atlanta, Ga. Paint and woodwork cleaner, a floor cleaner, cleaner and deodorizer for toilet bowls, etc. Serial No. 592,574, Jan. 1. Class 52.

Moffitt, John C., Los Angeles, Calif. Newspaper column. Serial No. 614,452, Jan. 1. Class 38.

Mondial Company, Inc., also doing business under the trade name and style of "Arocna," New York, N. Y. Canned fish. Serial No. 601,366, Jan. 1. Class 46.

Moore Business Forms, Inc., Niagara Falls and Elmira, N. Y., and Emeryville and Los Angeles, Calif. Record forms and manifolding assemblies of record forms. Serial No. 604,213, Jan. 1. Class 37.

Murray, Arthur, Enterprises, Inc., New York, N. Y. Men's and women's hosiery. Serial No. 604,986, Jan. 1. Class 39.

Murray Hill Restaurant, Inc., New York, N. Y. Unflavored carbonated water and flavored carbonated water. Serial No. 611,190, Jan. 1. Class 45.

My Word Wheel Company: *See*—
Bealer, William F.

National Autocraft Manufacturing Co., Orlando, Fla. Ornamental trim, replacement ornamental crank knobs, windshield wiper control knobs, etc. Serial No. 602,706, Jan. 1. Class 19.

National Brush Company, Aurora, Ill. Brushes. Serial No. 596,746, Jan. 1. Class 29.

National Machinery Company, The, Tiffin, Ohio. Metal working machines. Serial No. 578,701, Jan. 1. Class 23.

National Paper Corporation of Pennsylvania, Ransom, Pa. Toilet tissue. Serial No. 575,079, Jan. 1. Class 37.

National Paper Corporation of Pennsylvania, Ransom, Pa., and New York, N. Y. Toilet tissue, paper towels, paper napkins, etc. Serial No. 575,080, Jan. 1. Class 37.

National Pressure Cooker Company, Eau Claire, Wis. Electrically heated deep-fat fryer. Serial No. 613,649, Jan. 1. Class 21.

National Publishing Company, Philadelphia, Pa. Bibles. Serial No. 602,210, Jan. 1. Class 38.

Nelson Doubleday, Inc., Garden City, N. Y. Books. Serial No. 572,557, Jan. 1. Class 38.

Nethercutt, Jack B., doing business as Nethercutt Laboratories, Santa Monica, Calif. Lip rouge. Serial No. 606,625, Jan. 1. Class 51.

Nethercutt Laboratories: *See*—
Nethercutt, Jack B.

New York Knitting Mills, Inc., New York, N. Y. Knitted sweaters, jackets, and sport shirts. Serial No. 613,472, Jan. 1. Class 39.

Niehoff, C. E., & Co., Chicago, Ill. Automotive brake cylinder kits. Serial No. 581,971, Jan. 1. Class 19.

Nocon Products Corporation, New York, N. Y. Powdered detergent chemical compound. Serial No. 601,062, Jan. 1. Class 52.

Nocona Leather Goods Company, Nocona, Tex. Baseball gloves. Serial No. 618,896, Jan. 1. Class 22.

Norcross, Inc., New York, N. Y. Greeting cards and printed greeting folders. Serial No. 603,247, Jan. 1. Class 38.

Norma-Hoffmann Bearings Corporation, Stamford, Conn. Anti-friction bearings and their parts. Serial No. 606,434, Jan. 1. Class 23.

North American Aviation, Inc., Los Angeles, Calif. Aircraft. Serial No. 614,095, Jan. 1. Class 19.

Northrop Aircraft, Inc., doing business as Dy-Chek Company, Hawthorne, Calif. Solutions used to detect surface flaws. Serial No. 601,071, Jan. 1. Class 6.

Ohio Crankshaft Company, The, Cleveland, Ohio. Electrical induction metal heating and heat-treating apparatus and machines and parts thereof. Serial No. 596,434, Jan. 1. Class 21.

Ohio Mattress Company, The, Cleveland, Ohio. Mattress side walls. Serial No. 610,629, Jan. 1. Class 32.

Orbach, Fred, doing business as Car-X Co., Jackson Heights, N. Y. Liquid car wash. Serial No. 593,996, Jan. 1. Class 52.

Oshkosh B'Gosh, Inc., Oshkosh, Wis. Overalls. Serial No. 558,922, Jan. 1. Class 39.

Osmose Wood Preserving Co. of America, Inc., Buffalo, N. Y. Ready-mixed wood preserving paint. Serial No. 586,705, Jan. 1. Class 16.

Outdorable's, Inc., Minneapolis, Minn. Men's top coats, storm coats, sport jackets, etc. Serial No. 613,280, Jan. 1. Class 39.

Pabco Products Inc.: *See*—
Paraffine Companies, Inc., The.

Pam Company, The, Kansas City, Mo. Pies. Serial No. 600,907, Jan. 1. Class 46.

Paraffine Companies, Inc., The, San Francisco, Calif., now by change of name, Pabco Products Inc. Cement base paint. Serial No. 558,586, Jan. 1. Class 16.

Payne Coal Sales Company, Inc., Wilkes-Barre, Pa. Coal. Serial No. 612,930, Jan. 1. Class 1.

Penick, S. B., & Company, New York, N. Y. Flavoring products. Serial No. 590,102, Jan. 1. Class 46.

Perkel Food Products Co., Portland, Oreg. Non-alcoholic, maltless fruit punches and fruit flavored soft drinks. Serial No. 581,439, Jan. 1. Class 45.

Perla, Henry, doing business as Perla Shirt Company, New York, N. Y. Dress, negligee and work shirts. Serial No. 548,401, Jan. 1. Class 39.

Perla Shirt Company: *See*—
Perla, Henry.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 602,053, Jan. 1. Class 18.

Pigeon Hole Parking, Inc., Spokane, Wash. Electrically operated traveling automobile elevators. Serial No. 613,605, Jan. 1. Class 21.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid enamels. Serial No. 544,279, Jan. 1. Class 16.

Plantation Wood (Lancing) Limited, Lancing, England. Lumber. Serial No. 601,999, Jan. 1. Class 12.

Plastic-View Transparent Shades: *See*—
Voges, Sonny C.

Powers-Samas Accounting Machines Limited, London, England. Ribbons for accounting machines. Serial No. 608,731, Jan. 1. Class 11.

Precise Products Company, Racine, Wis. Voltage adapters. Serial No. 576,769, Jan. 1. Class 21.

Precision Specialties: *See*—
Precision Specialties, Inc.

Precision Specialties, Inc., Los Angeles, Calif., assignee of Precision Specialties. Drawing games and toy telephones. Serial No. 498,543, Jan. 1. Class 22.

Preservative Paint Co., Seattle, Wash. Ready-mixed paints, asphalt base paints, paint primers, etc. Serial No. 500,694, Jan. 1. Class 16.

Pretzel Bitz Corporation, Bluffton, Ind. Bakery and confectionery products. Serial No. 607,041, Jan. 1. Class 46.

Priddy, Hugh A., Wichita Falls, Tex. Frozen watermelon confection. Serial No. 611,195, Jan. 1. Class 46.

Procter & Gamble Company, The, Cincinnati, Ohio. Blend of soybean and cottonseed oils. Serial No. 610,354, Jan. 1. Class 46.

Propper, Rachel F., doing business as Rachel Andres, New York, N. Y. Women's pajamas. Serial No. 612,556, Jan. 1. Class 39.

Puritan Furnituse Mfrs., Melrose, Mass. Wood beds, dressers, chests of drawers, etc. Serial No. 574,050, Jan. 1. Class 32.

Pycope Incorporated, Jersey City, N. J. Tooth brushes. Serial No. 612,506, Jan. 1. Class 29.

Raggi, Jo: *See*—
Raggi, Joseph.

Raggi, Joseph, doing business under the name Jo Raggi, New York, N. Y. Hair tonic. Serial No. 606,806, Jan. 1. Class 51.

Rayflex Fabrics, Inc., New York, N. Y. Woven elastic fabrics in the piece. Serial No. 616,967, Jan. 1. Class 42.

Raytheon Manufacturing Company, Newton, Mass. Apparatus for measuring distances. Serial No. 595,983, Jan. 1. Class 26.

Republic Paint & Varnish Co., Chicago, Ill. Ready-mixed paint enamel. Serial No. 540,883, Jan. 1. Class 16.

Republic Paint & Varnish Co., Chicago, Ill. Red barn paint. Serial No. 540,892, Jan. 1. Class 16.

Research Products Company, Kansas City, Mo. Chemicals. Serial No. 612,088, Jan. 1. Class 6.

Research Products Company, Kansas City, Mo. Emulsifier for use in the manufacture of dough products. Serial No. 615,192, Jan. 1. Class 46.

Restaurant Products, Springfield, Ill. Butter spreader. Serial No. 606,981, Jan. 1. Class 23.

Richardson, James J., doing business as Richardson Products Co., Toledo, Ohio. Non-alcoholic, maltless beverages. Serial No. 602,973, Jan. 1. Class 45.

Richardson Products Co.: *See*—
Richardson, James J.

Rilling Company, New York, N. Y. Hair waving solutions. Serial No. 593,441, Jan. 1. Class 51.

Rilling Company, New York, N. Y. Hair creams. Serial No. 593,442, Jan. 1. Class 51.

Rock City Tobacco Company (1936) Limited, Quebec, Quebec, Canada. Cigars, cigarettes, smoking tobacco, etc. Serial No. 573,740, Jan. 1. Class 17.

Roiscreen Company, Pella, Iowa. Venetian blinds. Serial No. 581,734, Jan. 1. Class 32.

Romance of California: *See*—
Brown, Samuel R.

Rublinsky, Al, New York, N. Y. Leather wallets, leather key cases, leather change purses, etc. Serial No. 612,560, Jan. 1. Class 3.

Rum and Maple Tobacco Corporation, New York, N. Y. Pipe tobacco and cigarettes. Serial No. 604,449, Jan. 1. Class 17.

Ruskin Manufacturing Company, Los Angeles, Calif. Electric lamps. Serial No. 606,900, Jan. 1. Class 21.

SF Laboratories, The: *See*—
Floreskul, Stanley.

Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Raisins. Serial No. 603,963, Jan. 1. Class 46.

Schenley Distillers Corporation, New York, N. Y. and Fresno, Calif., doing business as Weston Winery, said Schenley Distillers Corporation, now by change of name Schenley Industries, Inc. Wines. Serial Nos. 582,187–8, Jan. 1. Class 47.

Schenley Industries, Inc.: *See*—
Schenley Distillers Corporation.

Schiffer, Samuel S., New York, N. Y. Racks for books, racks for magazines, etc. Serial No. 610,379, Jan. 1. Class 32.

Schiller, Solomon S., doing business as Brooklyn Telephone Answering Service, Brooklyn, N. Y. Telephone answering service to dentists. Serial No. 568,538, Jan. 1. Class 101.

Schlesinger Brothers, New York, N. Y. Ladies' wearing apparel. Serial No. 560,135, Jan. 1. Class 39.

Schwartz, Max, Lingerie, Inc., New York, N. Y. Ladies' and misses' and junior misses' nightgowns, slips, and panties. Serial No. 594,070, Jan. 1. Class 39.

Scorb Company, The: *See*—
Walter, H. G.

Scott, Foresman, and Foundry, Chicago, Ill. Series of children's educational books and pamphlets. Serial No. 604,551, Jan. 1. Class 38.

Seabrook Associates, Tyrone, Pa. Shelled peanuts. Serial No. 595,684, Jan. 1. Class 46.

Sealube Company, The, Reading, Mass. Paint. Serial No. 602,645, Jan. 1. Class 16.

Sellers Coffee Company: *See*—
Sellers Grocery Company, Inc.

Sellers Grocery Company, Inc., also doing business as Sellers Coffee Company, Montgomery, Ala. Coffee and rice. Serial No. 603,026, Jan. 1. Class 46.

Service Industries, Philadelphia, Pa. Self polishing floor dressing. Serial No. 552,277, Jan. 1. Class 4.

Seydel-Woolley & Company, Atlanta, Ga. Chemical preparations. Serial No. 576,661, Jan. 1. Class 6.

Sheraton Mills, Inc., New York, N. Y. Fabrics. Serial No. 610,867, Jan. 1. Class 42.

Shreve & Adams, Inc., New York, N. Y. Children's, ladies' and misses' anklets and hosiery. Serial No. 612,564, Jan. 1. Class 39.

Slikalite Products: *See*—
Twomey, Fred A.

Sincere Sewing Machine Co.: *See*—
Tacony, N. J.

Skånska Cementaktiebolaget, Malmo, Sweden. Portland cement. Serial No. 597,549, Jan. 1. Class 12.

Skinner Machinery Company, Inc., Dunedin, Fla. Material for degreening citrus fruits and controlling decay in fresh fruits and vegetables. Serial No. 614,902, Jan. 1. Class 6.

Sleepmakers Incorporated, Chicago, Ill. Mattresses and bed springs. Serial No. 611,246, Jan. 1. Class 32.

Smith, T. L., Company, The, Milwaukee, Wis. Concrete truck mixers, carriers and agitators. Serial No. 595,472, Jan. 1. Class 23.

Sprague Electric Company, North Adams, Mass. Electrical resistors. Serial No. 613,791, Jan. 1. Class 21.

Spurgeon Hosiery Corporation, Philadelphia, Pa. Hosiery. Serial No. 613,613, Jan. 1. Class 39.

Stadler Fertilizer Company, The, Cleveland, Ohio. Horticultural peat moss. Serial No. 597,858, Jan. 1. Class 10.

Standard Dyewood Company, Medford, Mass. Synthetic tanning agent. Serial No. 614,636, Jan. 1. Class 6.

Stanley Home Products, Inc., Westfield, Mass. Toilet bowl cleaner with incidental deodorizing properties. Serial No. 610,807, Jan. 1. Class 52.

Stockport Distributing Company (Mail Order) Limited, The Stockport, England. Greenhouse heaters. Serial No. 614,731, Jan. 1. Class 34.

Storecast Corporation of America, New York, N. Y. Advertising the goods of others. Serial No. 599,298, Jan. 1. Class 101.

Storey, Marjorie E., and W. H., Cambridge, England. Teething ring appliances for infants. Serial No. 594,241, Jan. 1. Class 44.

Storey, William H.: *See*—
Storey, Marjorie E., and W. H.

Stove, Roy C., & Company, Chicago, Ill. Ultra violet light fixture. Serial Nos. 572,348–9, Jan. 1. Class 21.

Straub, W. P., & Company, Chicago, Ill. Prune juice and shredded coconut. Serial No. 584,088, Jan. 1. Class 46.

Strausberg, Jack, Chicago, Ill. Entertainment service. Serial No. 593,023, Jan. 1. Class 107.

Superior Pharmacal Co., The, Dayton, Ohio. Analgesic preparation. Serial No. 612,362, Jan. 1. Class 18.

Swiveller Company, Inc., New York, N. Y. Electrical lighting units and parts thereof. Serial No. 601,697, Jan. 1. Class 21.

Tacony, N. J., trading and doing business under the name of Sincere Sewing Machine Co., St. Louis, Mo. Sewing machines. Serial No. 612,937, Jan. 1. Class 23.

Talon, Inc., Meadville, Pa. Periodicals. Serial No. 604,751, Jan. 1. Class 38.

Tego Products Company, Greenville, S. C. Sanitary napkins and belts. Serial No. 614,019, Jan. 1. Class 44.

Tenth Avenue Trading Corp., New York, N. Y. Olive oil. Serial No. 603,089, Jan. 1. Class 46.

Terrytoons, Inc., New Rochelle, N. Y. Series of motion picture animated cartoons. Serial No. 613,747, Jan. 1. Class 26.

Texas Engineering and Manufacturing Company, Inc., Grand Prairie, Tex. Airplanes and the structural or body parts of airplanes. Serial No. 614,175, Jan. 1. Class 19.

Texize Chemicals, Inc., Greenville, S. C. Silver polish. Serial No. 518,489, Jan. 1. Class 4.

Thalson Company, San Francisco, Calif. Smoking pipes. Serial Nos. 599,287–8, Jan. 1. Class 8.

Thompson-Long Company, Chicago, Ill. Paint primer. Serial No. 603,561, Jan. 1. Class 16.

Treasure Island, Inc., Cleveland, Ohio. Promotional advertising services. Serial No. 584,171, Jan. 1. Class 101.

Trommer, Lawrence R., Washington, D. C. Stringed instrument. Serial No. 602,578, Jan. 1. Class 36.

Twomey, Fred A., doing business as Slikalite Products, Jacksonville, Fla. Liquid transparent resinous plastic solution. Serial No. 582,152, Jan. 1. Class 16.

Tyson Metal Products, Pittsburgh, Pa. Bar and restaurant equipment. Serial No. 547,581, Jan. 1. Class 13.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.

Union Fish Company, The, Erie, Pa. Frozen fish. Serial No. 580,534, Jan. 1. Class 46.

United States Gypsum Company, Chicago, Ill. Plasterboard. Serial No. 562,812, Jan. 1. Class 12.

United States Gypsum Company, Chicago, Ill. Sealer sizing and finisher. Serial No. 608,524, Jan. 1. Class 16.

Universal Auto Products Corporation, Maywood, Ill. Imitation leather cases. Serial No. 545,601, Jan. 1. Class 2.

Upjohn Company, The, Kalamazoo, Mich. Antibiotic. Serial No. 612,364, Jan. 1. Class 18.

Vaca Foods, Inc., Chicago, Ill. Preserved sea foods. Serial No. 571,304, Jan. 1. Class 46.

Valley Paper Company, Holyoke, Mass. Writing and typewriter paper. Serial No. 527,525, Jan. 1. Class 37.

Van Allen, Erwin, Peoria, Ill. Lecture stands. Serial No. 612,286, Jan. 1. Class 32.

Video Corporation of America, Wilmington, Del., and New York, N. Y. Electronic devices. Serial No. 580,703, Jan. 1. Class 21.

Vive Publishing Co., Chicago, Ill. Monthly magazine. Serial No. 614,112, Jan. 1. Class 38.

Voges, Sonny C., doing business under the fictitious firm name of Plastic-View Transparent Shades, Los Angeles, Calif. Transparent window shades. Serial No. 600,797, Jan. 1. Class 32.

Walter, H. G., doing business as The Scorb Company, Kansas City, Kans. Anti-oxidant for use in fresh fruits. Serial No. 606,915, Jan. 1. Class 46.

Ward Lumber Company, Aurora, Ill. Making loans and arranging for loans. Serial No. 594,821, Jan. 1. Class 102.

Warren Paint & Color Company, Nashville, Tenn. Ready-mixed exterior and interior paints, protective and decorative cement and stucco paints, etc. Serial No. 610,530, Jan. 1. Class 16.

Washington Steel Products, Inc., Tacoma, Wash. Cabinet hardware. Serial No. 615,962, Jan. 1. Class 13.

Westcott & Greis, Inc., Tulsa, Okla. Installation, calibration, adjustment, etc., of measurement and control equipment. Serial No. 541,619, Jan. 1. Class 103.

West Disinfecting Company, Long Island City, N. Y. Automatic deodorizers. Serial No. 611,671, Jan. 1, Class 13.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, papeteries, etc. Serial No. 526,041, Jan. 1. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets and loose writing paper. Serial No. 526,161, Jan. 1. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; account, data, or order books, etc. Serial No. 603,708, Jan. 1. Class 37.

Western Tire Auto Stores, Inc., Chicago, Ill. Liquid polishing and cleaning compound. Serial No. 604,503, Jan. 1. Class 4.

Westgate-Sun Harbor Company, San Diego and Monterey, Calif. Canned fish and canned shellfish. Serial No. 609,153, Jan. 1. Class 46.

Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Store display screens. Serial No. 576,828, Jan. 1. Class 32.

Weston Winery: *See*—
Schenley Distillers Corporation.

Whitewater Raincoat Company, Whitewater, Wis. Waterproof fabrics. Serial No. 609,618, Jan. 1. Class 42.

Whiting Corporation, Harvey, Ill. Electrically driven hoists and traveling cranes and parts thereof. Serial No. 568,820, Jan. 1. Class 21.

Whiting Corporation, Harvey, Ill. Spray dryers and parts thereof. Serial No. 576,943, Jan. 1. Class 23.

Whittet, Harold E., South St. Paul, Minn. Grooved phonograph records. Serial No. 596,636, Jan. 1. Class 36.

Wilbur & Williams Company, The, Boston, Mass. Ready-mixed paints. Serial No. 590,119, Jan. 1. Class 16.

Willoughby, George V., doing business under the assumed name of Century Products Co., Seattle, Wash. Liquid dry cleaner. Serial No. 604,285, Jan. 1. Class 52.

Willson Products, Inc., Reading, Pa. Display stands. Serial No. 609,064, Jan. 1. Class 32.

Wilson Jones Company, Chicago, Ill. Note books, composition books and columnar pads. Serial No. 582,227, Jan. 1. Class 37.

Wine Corporation of America, Chicago, Ill. Wine. Serial No. 608,644, Jan. 1. Class 47.

Wolseley Motors, Limited, Oxford and Cowley, Oxford, England. Automobiles. Serial No. 545,065, Jan. 1. Class 19.

Woo, George, doing business as W. Fay Company, Los Angeles, Calif. Fresh deciduous fruits and vegetables. Serial No. 561,279, Jan. 1. Class 46.

Wood Canning Company, Stockton, Calif. Canned peaches. Serial No. 579,642, Jan. 1. Class 46.

Wood Products Manufacturing Co., Rocky Mount, N. C. Venetian blinds. Serial No. 604,710, Jan. 1. Class 32.

Wurgaft, R. B., doing business as California Citrus Processors, Anaheim, Calif. Canned orange juice. Serial No. 602,590, Jan. 1. Class 46.

Younghusband, James L., assignee: *See*—
Craft, Irene F.

Zussman, H., & Son Company, The, Cincinnati, Ohio. Ladies', misses', and girls' dungarees, pedal pushers, and shorts, etc. Serial No. 562,289, Jan. 1. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

A/S Tönsberg Bryggeri, Tonsberg, Norway. Quick frozen fruits, berries, currants, etc. 552,668, Jan. 1. Serial No. 578,184, published Sept. 18, 1951. Class 46

Abbott Laboratories, North Chicago, Ill. Oral preparation comprising a synthetic product having a corpus luteum effect. 552,694, Jan. 1; Serial No. 580,567, published Aug. 7, 1951. Class 18.

Abercrombie & Fitch Company, New York, N. Y. Chronometers and watches. 552,733, Jan. 1; Serial No. 587,781, published Sept. 11, 1951. Class 27.

Addressograph Company, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing devices. 282,078, renewed Mar. 1, 1952. O. G. Jan. 1. Class 23.

Addressograph-Multigraph Corporation: *See*—
Addressograph Company.

Agfa Ansco Corporation, Binghamton, to General Aniline & Film Corporation, New York, N. Y. Photographic cameras. 290,126, renewed Dec. 22, 1951. O. G. Jan. 1. Class 26.

Agfa Ansco Corporation, Binghamton, to General Aniline & Film Corporation, New York, N. Y. Sensitized photographic film. 290,486–8, renewed Dec. 22, 1951. O. G. Jan. 1. Class 26.

Allbright-Nell Company, The, Chicago, Ill. Packing house equipment. 552,704, Jan. 1; Serial No. 583,070, published Sept. 25, 1951. Class 19.

Allbright-Nell Company, The, Chicago, Ill. Packing house equipment. 552,705, Jan. 1; Serial No. 583,071, published Sept. 25, 1951. Class 26.

Allied Drugs, Inc., Hackensack, N. J. Medicinal preparation. 552,822, Jan. 1; Serial No. 604,679, published July 24, 1951. Class 18.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Agricultural machinery and implements, etc. 552,823, Jan. 1; Serial No. 604,949, published Sept. 18, 1951. Class 23.

Alsop Engineering Corporation, Milldale, Conn. Open tanks, air tight storage tanks, settling-tanks, etc. 552,886, Jan. 1; Serial No. 607,473, published Oct. 2, 1951. Class 2.

Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill. Beef, lamb, veal, and pork. 552,889, Jan. 1; Serial No. 582,878, published Sept. 25, 1951. Class 46.

Ambrosia Chocolate Company, by Ambrosia Chocolate Company, Milwaukee, Wis. Chocolate confection. 89,084, Nov. 12, 1912. Republished Jan. 1. Class 46.

Ambrosia Chocolate Company, Milwaukee, Wis. Candy. 176,686, Nov. 27, 1923. Republished Jan. 1. Class 46.

Ambrosia Chocolate Company, Milwaukee, Wis. Candy. 180,015, Feb. 19, 1924. Republished Jan. 1. Class 46.

American Air Filter Company, Inc., Louisville, Ky. Mechanical dry-type dust arrestors or collectors. 532,728, Oct. 31, 1950. Corrected. O. G. Jan. 1. Class 31.

American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Surfacing material. 552,651, Jan. 1; Serial No. 553,911, published Sept. 25, 1951. Class 12.

American Hide and Leather Company, Boston, Mass. Side leather. 287,095, renewed Sept. 15, 1951. O. G. Jan. 1. Class 1.

American Jewelry Distributors, Inc., New York, N. Y. Watches. 552,826, Jan. 1; Serial No. 608,096, published Sept. 11, 1951. Class 27.

American Paper Goods Company, The, Montclair, N. J., and Kensington, Conn., to The American Paper Goods Company, Kensington, Conn. Envelops and linen paper. 84,157, re-renewed Nov. 14, 1951. O. G. Jan. 1. Class 37.

American Snuff Company, Memphis, Tenn. Snuff. 552,650, Jan. 1; Serial No. 555,356, published Sept. 25, 1951. Class 17.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Electrical transmission lines. 552,850, Jan. 1; Serial No. 612,576, published Oct. 9, 1951. Class 21.

American Stores Company, Philadelphia, Pa. Butter. 552,743, Jan. 1; Serial No. 589,702, published Oct. 2, 1951. Class 46.

American Sugar Refining Company, The, New York, N. Y. Hard sugar. 37,051, re-renewed Sept. 10, 1951. O. G. Jan. 1. Class 46.

American Sugar Refining Company, The, New York, N. Y. Hard sugar. 37,082, re-renewed Sept. 17, 1951. O. G. Jan. 1. Class 46.

American Sugar Refining Company, The, New York, N. Y., Hard sugar. 37,177, re-renewed Oct. 8, 1951. O. G. Jan. 1. Class 46.

Ames Harris Neville Co., San Francisco, Calif. Cotton fibre sacks. 552,729, Jan. 1; Serial No. 586,617, published Oct. 9, 1951. Class 2.

Anderson, W. E., Inc., Kansas City, Mo. Meters, gauges and controlling valves. 552,782, Jan. 1; Serial No. 597,054, published Oct. 2, 1951. Class 26.

Apple Growers Association, Hood River, Oreg. Canned fruit. 304,232, June 27, 1933. Republished Jan. 1. Class 46.

Apple Growers Association, Hood River, Oreg. Canned fruit. 306,927, Oct. 3, 1933. Republished Jan. 1. Class 46.

Apple Growers Association, Hood River, Oreg. Canned fruits. 309,738, Jan. 30, 1934. Republished Jan. 1. Class 46.

Apple Growers Association, Hood River, Oreg. Canned fruits and canned vegetables. 331,285, Dec. 31, 1935. Republished Jan. 1. Class 46.

Archie Comic Publications, Inc.: *See*
M. L. J. Magazines.
M. L. J. Magazines, Inc.

Arco Company, The, Cleveland, Ohio. Automobile paint. 552,893, Jan. 1; Serial No. 546,746. Class 16.

Arden, Elizabeth, Inc., to Elizabeth Arden Sales Corporation, New York, N. Y. Lipsticks. 289,493, renewed Dec. 1, 1951. O. G. Jan. 1. Class 51.

Arden, Elizabeth, Inc., to Elizabeth Arden Sales Corporation, New York, N. Y. Lipsticks. 289,617, renewed Dec. 1, 1951. O. G. Jan. 1. Class 51.

Arden, Elizabeth, Sales Corporation: *See*
Arden, Elizabeth, Inc.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Toilet water, perfume, rouge, etc. 552,800, Jan. 1; Serial No. 600,754, published Sept. 18, 1951. Class 51.

Arma Corporation, Brooklyn, N. Y. Navigation instruments, ordnance instruments, calculating apparatus. 552,711, Jan. 1; Serial No. 583,724, published Sept. 25, 1951. Class 26.

Armour and Company, Chicago, Ill. Dressed calves. 552,715, Jan. 1; Serial No. 584,887, published Sept. 11, 1951. Class 46.

Armstrong Paint & Varnish Works, Chicago, Ill. Ready mixed paints, varnishes and paint enamels. 552,891, Jan. 1; Serial No. 538,067. Class 16.

Art Wire & Stamping Co., Newark, N. J. Seamless barrel swivels, safety snap swivels, lockfast swivels, etc. 552,796, Jan. 1; Serial No. 600,207, published Oct. 2, 1951. Class 22.

Ashkar, Albert J., also doing business as Albert J. Ashkar Co., Los Angeles, Calif. Fresh vegetables. 552,833, Jan. 1; Serial No. 608,807, published Oct. 9, 1951. Class 46.

Ashkar, Albert J., Co.: *See*
Ashkar, Albert J.

Associated Knitters, Inc., Reading, Pa. Men's, women's, boys' and girls' underwear. 552,714, Jan. 1; Serial No. 584,745, published Oct. 9, 1951. Class 39.

Auto Chlor System, Inc., Memphis, Tenn. Detergent. 552,801, Jan. 1; Serial No. 600,757, published Sept. 4, 1951. Class 52.

Autographic Register Company, The, Hoboken, N. J. Manifolding registers. 444,627, Jan. 1; Serial No. 523,884, published Sept. 25, 1951. Class 23.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Pressure tank sprinkler system storage tanks. 552,834, Jan. 1; Serial No. 608,848, published Oct. 9, 1951. Class 2.

Bacino-Pizza Food Products Co., Inc., Calumet City, Ill. Pizza pie. 552,805, Jan. 1; Serial No. 601,418, published Sept. 18, 1951. Class 46.

Baker Manufacturing Company, Evansville, Wis. Windmills. 552,656, Jan. 1; Serial No. 564,921, published Sept. 4, 1951. Class 23.

Balch Flavor Company: *See*
Balch, Gerald G.

Balch, Gerald G., doing business as Balch Flavor Company, Pittsburgh, Pa. Fudge sauce. 552,713, Jan. 1; Serial No. 583,908, published Oct. 9, 1951. Class 46.

Balfour-Guthrie & Co. Limited, Portland, Oreg. Canned fish. 552,808, Jan. 1; Serial No. 601,881, published Aug. 28, 1951. Class 46.

Barker Bros. Corporation, Los Angeles, Calif. Towels. 552,857, Jan. 1; Serial No. 613,209, published Oct. 9, 1951. Class 42.

Barker Bros. Corporation, Los Angeles, Calif. Blankets. 552,858, Jan. 1; Serial No. 613,210, published Oct. 9, 1951. Class 42.

Bates Manufacturing Company, The, West Orange, N. J. Stapling machines. 552,769, Jan. 1; Serial No. 594,190, published Sept. 4, 1951. Class 23.

Bausch & Lomb Optical Company, Rochester, N. Y. Photographic objective lenses. 552,844, Jan. 1; Serial No. 610,198, published Sept. 25, 1951. Class 26.

Behr, Herman, & Company, Incorporated, Brooklyn, N. Y. Abrasive papers and cloths. 157,642, Aug. 15, 1922. Amended. O. G. Jan. 1. Class 4.

Behr, Herman, & Company, Incorporated, Brooklyn, N. Y. Abrasive papers and cloths. 168,942, May 29, 1923. Amended. O. G. Jan. 1. Class 4.

Bennett, Richard, Associates, Inc.: *See*
Photometric Corporation, The.

Berger, Samuel, doing business as Montauk Shirt Company, New York, N. Y. Men's dress shirts, sportswear, and pajamas. 552,707, Jan. 1; Serial No. 583,323, published Sept. 18, 1951. Class 39.

Bernheisel, Ben H., Milford, Ohio. Horseradish. 552,824, Jan. 1; Serial No. 607,890, published Sept. 18, 1951. Class 46.

Best & Co., Inc., New York, N. Y. Women's, children's, and men's hats. 552,716, Jan. 1; Serial No. 584,953, published Sept. 11, 1951. Class 39.

Best, John H., & Sons, Inc., Galva, Ill. Hand trucks. 552,899, Jan. 1; Serial No. 562,906. Class 19.

Bines, Florence S., doing business under the name and style of Sealwall Products, Elyria, Ohio. Waterproofing paint. 552,900, Jan. 1; Serial No. 575,621. Class 16.

Bishop & Company, Los Angeles, Calif., to National Biscuit Company, New York, N. Y. Crackers. 83,889, re-renewed Oct. 24, 1951. O. G. Jan. 1. Class 46.

Blair Milling Company, The, Atchison, Kans. Wheat flour, and stock and poultry feeds. 552,632, Jan. 1; Serial No. 536,578, published Oct. 9, 1951. Class 46.

Bluhill Foods, Inc., doing business under the names Wedding Breakfast Coffee Co., Lady West Products, and Martin Bros. Co., Denver, Colo. Coffee, salad dressing, sandwich spreads, etc. 552,890, Jan. 1; Serial No. 536,665. Class 46.

Boosey & Hawkes Limited, London, England. Strings for musical instruments. 552,897, Jan. 1; Serial No. 557,723. Class 36.

Boston Drinking Cup Company: *See*
Boston Envelope Company.

Boston Envelope Company, doing business as Boston Drinking Cup Company, Dedham, Mass. Paper drinking cups. 552,631, Jan. 1; Serial No. 536,226, published Oct. 9, 1951. Class 2.

Botany Mills, Inc., Passaic, N. J. Woolen piece goods. 552,849, Jan. 1; Serial No. 612,530, published Sept. 11, 1951. Class 42.

Boyd, William, Beverly Hills, Calif. Soap. 552,868, Jan. 1; Serial No. 606,118, published Sept. 4, 1951. Class 52.

Brach, E. J., & Sons, Chicago, Ill. Candy. 552,630, Jan. 1; Serial No. 522,428, published Oct. 9, 1951. Class 46.

Bridge Hardware Co., Inc., New York, N. Y. Spring hydraulic closing pumps, automatic door openers and door closers, etc. 552,751, Jan. 1; Serial No. 591,451, published Sept. 18, 1951. Class 23.

Bristol Laboratories Inc., New York and Syracuse, N. Y. Antispasmodic. 552,701, Jan. 1; Serial No. 581,705, published Aug. 7, 1951. Class 18.

Brown-Forman Distillers Corporation: *See*—
Howard, W. R., Company, The.
Labrot & Graham Incorporated.
Lynndale Distillery Company.
Old Kentucky Distillery, Incorporated.

Brown Manufacturing Co., Le Roy, N. Y. Anti-histamine tablets. 552,758, Jan. 1; Serial No. 592,123, published Aug. 7, 1951. Class 18.

Buckingham Silver Co., The, assignee: *See*—
Ellmore Silver Co., Inc., The.

Buehler, Randolph J., Chicago, Ill. Fuel oil burners. 444,625, Jan. 1; Serial No. 512,105, published Aug. 23, 1949. Class 34.

Bulova Watch Company, Inc., New York, N. Y. Wrist or strap watches. 552,702, Jan. 1; Serial No. 582,342, published Sept. 4, 1951. Class 27.

Bulova Watch Company, Inc., New York, N. Y. Watches. 552,880, Jan. 1; Serial No. 606,750, published Aug. 28, 1951. Class 27.

Burndy Engineering Company, Inc., New York, N. Y. Electrical connectors. 552,851, Jan. 1; Serial No. 612,585, published Oct. 9, 1951. Class 21.

Burton-Dixie Corporation, by Burton-Dixie Corporation, Chicago, Ill. Pillows. 298,526, Nov. 1, 1932. Republished Jan. 1. Class 32.

California Packing Corporation: *See*—
Prince, H., G., & Company.

California Spray-Chemical Corporation: *See*—
Standard Oil Company of California.

California Turkey Growers Association, San Francisco, Calif. Poultry. 552,737, Jan. 1; Serial No. 588,547, published Oct. 9, 1951. Class 46.

Cape Ann Isinglass Company, Marblehead, Mass. Clarifier for beer. 285,443, July 28, 1931. Republished Jan. 1. Class 6.

Capitol Milling Company, Los Angeles, Calif. Wheat flour. 552,730, Jan. 1; Serial No. 586,911, published Sept. 18, 1951. Class 46.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Asphalt compositions. 552,652, Jan. 1; Serial No. 556,476, published Sept. 18, 1951. Class 1.

Carter Products, Inc.: *See*—
Small, Marvin.

Casco Products Corporation, Bridgeport, Conn. Mechanical sprayer. 552,647, Jan. 1; Serial No. 552,914, published Aug. 9, 1949. Class 23.

Casimir, Funk, Laboratories, Inc., New York, N. Y. Medicinal preparation. 552,829, Jan. 1; Serial No. 608,272, published Sept. 11, 1951. Class 18.

Central Popcorn Company, Schaller, Iowa. Raw popcorn. 552,720, Jan. 1; Serial No. 585,368, published July 18, 1950. Class 46.

Centrotex, Prague, Czechoslovakia. Men's, women's, misses', children's, and infants' outerwear, underwear, bathingwear, etc. 552,695, Jan. 1; Serial No. 580,578, published Sept. 11, 1951. Class 39.

Chambers Corporation, Shelbyville, Ind. In-built combination broiler and griddle. 552,682, Jan. 1; Serial No. 568,025, published Oct. 2, 1951. Class 34.

Changemaster Eng. Co.: *See*—
May, Sam.

Charles & Co., New York, by Charles & Co., Inc., Bronx, N. Y. Coffee, chocolate, flour, etc. 32,514, Feb. 21, 1899. Republished Jan. 1. Class 46.

Charles & Co., Inc.: *See*—
Charles & Co.

Chester Machine Corporation, Chatham, N. Y. Pinking attachments. 552,771, Jan. 1; Serial No. 594,437, published Aug. 22, 1950. Class 23.

Chic-Manufacturing Co., to Princess Peggy, Inc., Peoria, Ill. Ladies' and children's dresses and pajamas. 291,817, renewed Feb. 23, 1952. O. G. Jan. 1. Class 39.

Chicago Granitine Manufacturing Company, Chicago, Ill. Concrete storage boxes, flower boxes, window boxes, etc. 291,705, renewed Feb. 23, 1952. O. G. Jan. 1. Class 2.

Chicago Metallic Manufacturing Co., Chicago, Ill. Tobacco ash receptacles. 552,718, Jan. 1; Serial No. 585,053, published Oct. 2, 1951. Class 32.

Chicago Paints, Inc., Chicago, Ill. Varnish. 552,898, Jan. 1; Serial No. 560,542. Class 16.

Cloverly Plastics Inc., New York, N. Y. Window draperies, bed spreads, vanity skirts, etc. 552,789, Jan. 1; Serial No. 598,293, published Oct. 9, 1951. Class 42.

Coast-In Pontiac Co., Inc., Washington, D. C. New and used automotive vehicles. 552,637, Jan. 1; Serial No. 541,404, published Sept. 25, 1951. Class 19.

Comfort Manufacturing Company, Chicago, Ill. Tooth powders, dentifrices, and tooth pastes. 334,061, Apr. 21, 1936. Republished Jan. 1. Class 51.

Copco Steel and Engineering Company, Detroit, Mich. Residential and industrial steel building products. 552,648, Jan. 1; Serial No. 554,650, published Sept. 18, 1951. Class 12.

Corrulux Corp., Houston, Tex. Reinforced plastic sheets. 552,696, Jan. 1; Serial No. 580,772, published Sept. 18, 1951. Class 12.

Creese and Cook Company, Danvers, Mass. Calfskin leather. 552,815, Jan. 1; Serial No. 602,891, published Oct. 9, 1951. Class 1.

Cronite Co., Inc., The, New York, N. Y. Wiping attachment for printing press. 552,739, Jan. 1; Serial No. 588,747, published Sept. 18, 1951. Class 23.

Daimler-Benz Aktiengesellschaft: *See*—
Daimler-Motoren-Gesellschaft.

Daimler-Motoren-Gesellschaft, Unterturkheim, near Stuttgart, Germany, to Daimler-Benz Aktiengesellschaft, Stuttgart, Unterturkheim, Germany. Screw-drivers, nut-keys (wrenches), etc. 76,020, re-renewed Dec. 7, 1949. O. G. Jan. 1. Class 23.

Daniels, C. R., Inc., Daniels, Md. Vinyl coated canvas hampers and baskets. 552,654, Jan. 1; Serial No. 562,183, published Oct. 2, 1951. Class 2.

Davis Bros. Fisheries Co., Inc., Gloucester, Mass. Prepared fish. 552,721, Jan. 1; Serial No. 585,435, published Sept. 11, 1951. Class 46.

Davis Bros. Fisheries Co., Inc., Gloucester, Mass. Prepared fish. 552,722, Jan. 1; Serial No. 585,438, published Sept. 18, 1951. Class 46.

Deborah Jewish Tuberculosis Society, Brown Mills, N. J., New York, N. Y., and Philadelphia, Pa. Philanthropic services. 552,921, Jan. 1; Serial No. 609,915. Class 100.

Deinco, Inc., Denver, Colo. Medicated plastic dressing. 552,644, Jan. 1; Serial No. 546,283, published Sept. 25, 1951. Class 18.

Dennis, S., Inc., New York, N. Y. Men's shirts. 552,772, Jan. 1; Serial No. 594,438, published Feb. 13, 1951. Class 39.

Dodge, F. W., Corporation, New York, N. Y. Construction news reports. 291,900, renewed Feb. 23, 1952. O. G. Jan. 1. Class 38.

Donnelly Garment Company, Kansas City, Mo. Women's and children's dresses, frocks, aprons, etc. 286,852, renewed Sept. 8, 1951. O. G. Jan. 1. Class 39.

Draper Brothers Company, Canton, Mass. Knitted, cotton back, hair pile fabrics. 552,909, Jan. 1; Serial No. 598,169. Class 42.

Dunne, Frank W., Co., Oakland, Calif. Ready-mixed paint, paint enamels, and toner colors. 552,902, Jan. 1; Serial No. 587,468. Class 16.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Paint mixing oils. 552,643, Jan. 1; Serial No. 545,966, published July 12, 1949. Class 16.

Eastman Machine Company, Buffalo, N. Y. Cloth cutting machines and parts thereof. 552,646, Jan. 1; Serial No. 551,173, published Sept. 18, 1951. Class 23.

Edwards-Freeman, Inc., Philadelphia, Pa. Shelled and unshelled, salted and unsalted mixed nuts. 552,760, Jan. 1; Serial No. 593,267, published Oct. 9, 1951. Class 46.

Electro Refractories & Abrasives Corporation: *See*—
Electro Refractories & Alloys Corporation.

Electro Refractories & Alloys Corporation, Buffalo, N. Y., now by change of name Electro Refractories & Abrasives Corporation. Refractory crucibles. 552,757, Jan. 1; Serial No. 591,981, published Oct. 2, 1951. Class 34.

Ellmore Silver Co., Inc., The, Meriden, Conn., assignor to The Buckingham Silver Co. Combination coaster and ash tray. 552,717, Jan. 1; Serial No. 584,979, published Oct. 9, 1951. Class 8.

Emporium World Millinery Co., Chicago, Ill. Ladies' hats. 552,872, Jan. 1; Serial No. 606,516, published Sept. 18, 1951. Class 39.

Emporium World Millinery Co., Chicago, Ill. Ladies' hats. 552,873–4, Jan. 1; Serial Nos. 606,520–1, published Sept. 11, 1951. Class 39.

Enid Cooperative Creamery Association, Enid, Okla. Fresh milk, fresh cream, butter, etc. 444,623, Jan. 1; Serial No. 458,531, published Nov. 11, 1947. Class 46.

Eppens, Smith Company, Inc.: *See*—
Holland House Coffee and Tea Corp.

Ernst Homberger-Rauschenbach, vorm., International Watch Co. (Ernest Homberger-Rauschenbach, Ci-devant International Watch Co.), Schaffhouse, Switzerland. Watch movements, cases, dials, etc. 289,926, renewed Dec. 15, 1951. O. G. Jan. 1. Class 27.

Etchison Hat Company, Inc., Richmond, Va. Men's felt hats. 552,870, Jan. 1; Serial No. 606,284, published Sept. 18, 1951. Class 39.

Fertel, Irving, doing business as Mitchell Auto Supply Co., Brooklyn, N. Y. Radiator caps and gas tank caps. 552,896, Jan. 1; Serial No. 553,583. Class 19.

Fleming-Hall Tobacco Co., Inc., New York, N. Y. Cigarettes. 552,814, Jan. 1; Serial No. 602,727, published Aug. 14, 1951. Class 17.

Florin, Walter, doing business as Micro Essential Laboratory, Brooklyn, N. Y. Testing kits for the qualitative and quantitative determination of the pH value of aqueous solutions or systems. 552,667, Jan. 1; Serial No. 578,080, published Oct. 2, 1951. Class 26.

Flotill Products, Incorporated, Stockton, Calif. Canned tomato paste. 552,629, Jan. 1; Serial No. 521,443, published Oct. 16, 1951. Class 46.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 552,779, Jan. 1; Serial No. 596,409, published Oct. 9, 1951. Class 42.

Fowler, Roscoe, doing business under the name and style of Sturdee Steel Products Company, Los Angeles, Calif. Door locks, door latches, and slide bolts. 552,915, Jan. 1; Serial No. 605,898. Class 25.

Fox, I. J., Inc., New York, N. Y. Cleaning fluid. 441,854, Jan. 18, 1949. Republished Jan. 1. Class 52.

Francis, Gerald C., Lansing, Mich. Optical instrument and parts thereof. 552,859, Jan. 1; Serial No. 605,093, published Sept. 25, 1951. Class 26.

Frederick Post Company, The, Chicago, Ill. Encased set of instruments for mechanical drawing. 552,723, Jan. 1; Serial No. 585,521, published Oct. 2, 1951. Class 26.

Frederick Post Company, The, Chicago, Ill. Encased set of instruments for mechanical drawing. 552,724, Jan. 1; Serial No. 585,522, published Sept. 11, 1951. Class 26.

Freeman Shoe Corporation: *See*—
Melville Shoe Corporation.

Freiburger, S., & Bro., to S. Freiburger & Bro. Co., Fort Wayne, Ind. Children's leather and canvas shoes. 83,974, re-renewed Oct. 24, 1951. O. G. Jan. 1. Class 39.

Freiburger, S., & Bro. Co.: *See*—
Freiburger, S., & Bro.

Fresh Fruit Preserving Co.: *See*—
Tea Garden Products Co.

Frost, John G., doing business under the name of Superior Engineering Company, Seattle, Wash. Fuel oil heaters. 552,818, Jan. 1; Serial No. 603,989, published Sept. 25, 1951. Class 34.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics. 552,865, Jan. 1; Serial No. 606,009, published Oct. 9, 1951. Class 42.

Garod Radio Corporation: *See*—
Majestic Household Utilities Co.
Majestic Household Utilities Corporation.
Majestic Specialities Mfg. Co.

General Aniline & Film Corporation: *See*—
Agfa Ansco Corporation.

Gerber Products Company, Fremont, Mich. Cereals, canned foods, junior canned foods. 552,904, Jan. 1; Serial No. 591,289. Class 46.

Gerber Products Company, Fremont, Mich. Cereal preparations, canned foods. 552,906, Jan. 1; Serial No. 595,721. Class 46.

Glen Raven Cotton Mills, Inc., Glen Raven, N. C. Dress and suit fabrics. 552,804, Jan. 1; Serial No. 601,323, published Oct. 9, 1951. Class 42.

Cobbs Manufacturing Company, Des Moines, Iowa. Fabric clothes pin bags. 552,910, Jan. 1; Serial No. 599,309. Class 2.

Goya Incorporated, New York, N. Y. Perfumes. 552,813, Jan. 1; Serial No. 602,687, published Sept. 25, 1951. Class 51.

Granat Bros., San Francisco, Calif. Watches. 552,879, Jan. 1; Serial No. 606,656, published Aug. 28, 1951. Class 27.

Green Giant Company, Le Sueur, Minn. Canned asparagus and canned corn. 552,841, Jan. 1; Serial No. 609,295, published Oct. 2, 1951. Class 46.

Green Textile Associates, Incorporated, Boston, Mass. Cotton waste. 552,781, Jan. 1; Serial No. 596,913, published Oct. 9, 1951. Class 1.

Greenfield Tap and Die Corporation, Greenfield, Mass. Bit brace tools, bolt cutters, horseshoers' buttresses, etc. 289,804, renewed Dec. 8, 1951. O. G. Jan. 1. Class 23.

Greenfield Tap and Die Corporation, Greenfield, Mass. Twist drills, reamers, milling cutters, etc. 552,676, Jan. 1; Serial No. 579,815, published Oct. 2, 1951. Class 23.

Grey Iron Casting Company, Mount Joy, Pa. Sets of toy miniature replicas. 552,677, Jan. 1; Serial No. 579,816, published Sept. 18, 1951. Class 22.

Grigsby-Grunow Company, assignee: *See*—
Majestic Specialties Mfg. Co.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases and watch movements. 552,764, Jan. 1; Serial No. 593,638, published Aug. 28, 1951. Class 27.

Gulf Coast Films, Inc., Houston, Tex. Motion pictures. 552,819. Jan. 1; Serial No. 603,997, published Sept. 25, 1951 Class 26.

Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 552,835–6, Jan. 1; Serial Nos. 608,932–3, published Oct. 2, 1951. Class 2.

Gulick, Robert L., Jr., doing business under the name International Foods, Berkeley, Calif. Frozen clams. 552,913, Jan. 1; Serial No. 601,615. Class 46.

Hego Fabrics, Inc., New York, N. Y. Textile fabrics. 552,854, Jan. 1; Serial No. 612,910, published Oct. 9, 1951. Class 42.

Heloisa Societe Anonyme, Longeau, Berne, Switzerland. Watches and watch movements. 552,862, Jan. 1; Serial No. 605,585, published Sept. 11, 1951. Class 27.

Hemp and Company, Incorporated, Macomb, Ill. Thermally insulated food and beverage containers. 552,674, Jan. 1; Serial No. 579,596, published Oct. 2, 1951. Class 2.

Hercules Powder Company, Wilmington, Del. Purified cotton linter pulp. 289,304–05, renewed Nov. 24, 1951. O. G. Jan. 1. Class 1.

Hercules Powder Company, Wilmington, Del. Propellent powder. 289,898, renewed Dec. 15, 1951. O. G. Jan. 1. Class 9.

Hi-Est Quality Products Co.: *See*—
Tea Garden Products Co.

Hill, Fred A., deceased. Redlands, Calif.; R. F. Sechrest, executor. Fresh oranges. 552,624, Jan. 1; Serial No. 478,631, published Sept. 13, 1949. Class 46.

Hillyard Chemical Company, St. Joseph, Mo. Liquid deodorant. 291,000, renewed Jan. 26, 1952. O. G. Jan. 1. Class 6.

Hillyard Chemical Company, St. Joseph, Mo. Liquid surgical soap. 291,107, renewed Jan. 26, 1952. O. G. Jan. 1 Class 52.

Hillyard Chemical Company, St. Joseph, Mo. Liquid baby soap. 291,464, renewed Feb. 9, 1952. O. G. Jan. 1. Class 52.

Holland House Coffee and Tea Corp., Long Island City, N. Y., assignee of Eppens, Smith Company, Inc. Coffee. 552,744, Jan. 1; Serial No. 589,933, published Oct. 9, 1951. Class 46.

Holloway, M. J., & Co., Chicago, Ill. Candy. 552,752, Jan. 1; Serial No. 591,481, published Sept. 18, 1951. Class 46.

Hootstein, Sam, & Sons, Inc., Boston, Mass. Men's suits, slacks, jackets, top coats, etc. 552,888, Jan. 1; Serial No. 607,591, published Sept. 11, 1951. Class 39.

Howard, C., Co: *See*—
Howard, Charles.

Howard, Charles, doing business as C. Howard Co., New York, N. Y. Confections. 552,908, Jan. 1; Serial No. 597,612. Class 46.

Howard, W. R., Company, The, Pikesville, Md., by Brown-Forman Distillers Corporation, Louisville, Ky. Whisky. 319,806, Dec. 4, 1934. Republished Jan. 1. Class 49.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Manually-operated sprayers. 552,843, Jan 1; Serial No. 610,072, published Aug. 28, 1951. Class 23.

Huffman Manufacturing Company, The, Dayton, Ohio. Electrically operated lawn mower. 552,783, Jan. 1; Serial No. 597,080, published Sept. 18, 1951. Class 23.

Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Antiseptic, bactericidal, and bacteriostatic disinfectant and germicidal preparations. 291,920, renewed Feb. 23, 1952. O. G. Jan. 1. Class 18

Ideal Novelty & Toy Co., New York, N. Y., now by change of name Ideal Toy Corporation. Dolls. 552,787, Jan. 1; Serial No. 598,187, published Sept. 18, 1951. Class 22.

Ideal Toy Corporation: *See*—
Ideal Novelty & Toy Co.

Identatray Corporation, New York, N. Y. Wooden and plastic serving trays. 552,736, Jan. 1; Serial No. 588,492, published Oct. 2, 1951. Class 2.

Illinois Watch Case Co., Elgin, Ill. Compacts. 552,639, Jan. 1; Serial No. 542,764, published June 13, 1950. Class 2.

Industrial Asphalt Company: *See*—
McSwain, John F.

Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Supports for pneumatic rock drills. 552,861, Jan. 1; Serial No. 605,482, published Oct. 2, 1951. Class 23.

International Foods: *See*—
Gulick, Robert L., Jr.

International Molded Plastics, Inc., Cleveland, Ohio. Plastic dinner dish ware. 552,692, Jan. 1; Serial No. 572,305, published May 16, 1950. Class 2.

International Paper Company, New York, N. Y. Paper bags. 552,820, Jan. 1; Serial No. 604,003, published Oct. 2, 1951. Class 2.

Isaly Dairy Company, The, Youngstown, Ohio. Fresh fluid pasteurized milk, sweet cream, skim milk, etc. 552,655, Jan. 1; Serial No. 563,933, published Sept. 18, 1951. Class 46.

J O Manufacturing Co., South Gate, Calif. Mechanics' hand tools. 552,635, Jan. 1; Serial No. 538,286, published Sept 18, 1951. Class 23.

Johnson, S. C., & Son, Inc., Racine, Wis. Electric floor scrubbing and wax polishing machine. 552,912, Jan. 1; Serial No. 599,877. Class 21.

Jugtown Mountain Smokehouse, Flemington, N. J. Smoked turkeys, smoked hams, smoked bacon, etc. 552,786, Jan. 1; Serial No. 597,885, published Oct. 9, 1951. Class 46.

Jules Distributors: *See*—
Julesgaard, Evelyn.

Julesgaard, Evelyn, doing business as Jnuls Distributors, New York, N. Y. Nail polish and lipstick. 552,660, Jan. 1; Serial No. 567,701, published Aug. 7, 1951. Class 51.

Jung Products Inc., Cincinnati, Ohio. Foot corrective appliances. 552,828, Jan. 1; Serial No. 608,190, published Oct. 9, 1951. Class 44.

Kelley, Kathryn, Recordcraft, Bedford Hills, N. Y. Toy sewing kit. 552,770, Jan. 1; Serial No. 594,382, published Sept. 25, 1951. Class 22.

Kelray Knitting Mills, Inc.: *See*—
Krumholz & Lichtblau.

Kemp, E. F., Corp.: *See*—
Kemp, E. F., Inc.
Kemp, Edward F.

Kemp, E. F., Inc., to E. F. Kemp Corp., Somerville, Mass. Candy and all kinds of nuts. 291,720, renewed Feb. 23, 1952. O. G. Jan. 1. Class 46.

Kemp, Edward F., to E. F. Kemp Corp., Somerville, Mass. Paper bags. 289,947, renewed Dec. 15, 1951. O. G. Jan. 1. Class 2.

Kendall Company, The, Boston, Mass. Adhesive bandages. 538,723, Feb. 27, 1951. Amended. O. G. Jan. 1. Class 44.

Kenne, David, Co., The, Elmhurst, Ill. Portable cabinets with prearranged fittings. 552,671, Jan. 1; Serial No. 579,029, published Oct. 2, 1951. Class 2.

King Hardware Company, Atlanta, Ga. Axes, adzes, hatchets, etc. 552,735, Jan. 1; Serial No. 588,099, published Sept. 25, 1951. Class 23.

King, J. E., Manufacturing Co., Springfield, Mo. Bedroom furniture, breakfast room furniture, living room furniture. 552,807, Jan. 1; Serial No. 601,831, published Oct. 2, 1951. Class 32.

King Maljan & Company, El Centro, Calif. Fresh vegetables. 552,839, Jan. 1; Serial No. 609,135, published Oct. 9, 1951. Class 46.

Kleenpak Incorporated, Atlanta, Ga. Disposable fountain syringes. 552,827, Jan. 1; Serial No. 608,170, published Oct. 9, 1951. Class 44.

Klosters Aktiebolag, Langshyttan, Sweden. Steel. 287,179, renewed Sept. 15, 1951. O. G. Jan. 1. Class 14.

Kroger Co., The: *See*—
Kroger Grocery & Baking Co., The.

Kroger Grocery & Baking Co., The, to The Kroger Co., Cincinnati, Ohio. Ice cream. 290,576, renewed Jan. 12, 1952. O. G. Jan. 1. Class 46.

Kroger Grocery & Baking Co., The, doing business as Wesco Foods Co., to The Kroger Co., Cincinnati, Ohio. Nonalcoholic maltless beverage. 290,617–18, renewed Jan. 12, 1952. O. G. Jan. 1. Class 45.

Krumholz & Lichtblau, by Kelray Knitting Mills, Inc., New York, N. Y. Ladies' and children's undergarments. 284,371, June 23, 1931. Republished Jan. 1. Class 39.

Laboratoires Om Societe Anonyme, Geneva, Switzerland. Pharmaceutical products. 552,766, Jan. 1; Serial No. 593,877, published Sept. 11, 1951. Class 18.

Labrot & Graham Incorporated, Versailles, by Brown-Forman Distillers Corporation, Louisville, Ky. Whisky. 310,197, Feb. 13, 1934. Republished Jan. 1. Class 49.

Lady West Products: *See*—
Bluhill Foods, Inc.

Lang, Sandy, Chicago, Ill. Tethered ball toys. 552,742, Jan. 1; Serial No. 589,515, published Sept. 18, 1951. Class 22.

La Primadora Cigar Corporation, New York, N. Y. Cigars. 552,842, Jan. 1; Serial No. 609,342, published Oct. 9, 1951. Class 17.

Lavino, E. J., and Company, Philadelphia, Pa. Ores. 290,725–6, renewed Jan. 12, 1952. O. G. Jan. 1. Class 1.

Lawrence Paper Company, The: *See*—
Lawrence Paper Manufacturing Company.

Lawrence Paper Manufacturing Company, by The Lawrence Paper Company, Lawrence, Kans. Paper. 288,796, Nov. 3, 1931. Republished Jan. 1. Class 37.

Les Ateliers de Constructions Mecaniques C. & A. Holweg, Strasbourg, France. Machines for winding paper, cellulose or other materials on to spools, etc. 552,748, Jan. 1; Serial No. 590,900, published Aug. 28, 1951. Class 23.

Levy, Henry S., and Son, Inc., New York and Brooklyn, N. Y. Bread. 552,892, Jan. 1; Serial No. 538,936. Class 46.

Lietz, A., Co., The, San Francisco, Calif. Drafting boards. 552,706, Jan. 1; Serial No. 583,157, published Sept. 11, 1951. Class 26.

Lincoln Precision Machining Company—Hoist Division, North Grafton, Mass. Manually operable portable hoists. 552,776, Jan. 1; Serial No. 596,172, published Sept. 4, 1951. Class 23.

Liondale Shirt Company, New York, N. Y. Men's and boys' dress and sport shirts. 552,877, Jan. 1; Serial No. 606,616, published Sept. 18, 1951. Class 39.

Loeb, S., & Son, New Haven, Conn. Brokerage service. 552,919–20, Jan. 1; Serial Nos. 584,337–8. Class 102.

Lookout Oil & Refining Company, Chattanooga, Tenn. Salad and cooking oil. 552,825, Jan. 1; Serial No. 608,044, published Oct. 16, 1951. Class 46.

Lord Optical Manufacturing Corporation, New York, N. Y. Spectacle frames. 552,688, Jan. 1; Serial No. 570,901, published Sept. 25, 1951. Class 26.

Lynndale Distillery Company, by Brown-Forman Distillers Corporation, Louisville, Ky. Whisky, brandy, gin, etc. 319,754, Dec. 4, 1934. Republished Jan. 1. Class 49.

M. L. J. Magazines, to Archie Comic Publications, Inc., New York, N. Y. Magazine. 417,477, Oct. 30, 1945. New certificate. O. G. Jan. 1. Class 38.

M. L. J. Magazines, Inc., to Archie Comic Publications, Inc., New York, N. Y. Magazine. 403,372, Sept. 21, 1943. New certificate. O. G. Jan. 1. Class 38.

Maconochie Brothers, Limited, London, England. Preserved fish, canned veal and beef roll, etc. 552,710, Jan. 1; Serial No. 583,703, published Sept. 11, 1951. Class 46.

Mad River Orchard Co., Entiat, Wash. Fresh deciduous fruits. 552,914, Jan. 1; Serial No. 604,699. Class 46.

Madeline Furs, Ltd., New York, N. Y. Ladies' fur coats, fur jackets, fur capes, etc. 552,803, Jan. 1; Serial No. 601,055, published Sept. 18, 1951. Class 39.

Magee Carpet Company, The, Bloomsburg, Pa. Textile carpets and rugs. 552,860, Jan. 1; Serial No. 605,364, published Oct. 9, 1951. Class 42.

Majestic Household Utilities Co., Chicago, Ill., to Garod Radio Corporation, New York, N. Y. Refrigerators. 289,324, renewed Nov. 24, 1951. O. G. Jan. 1. Class 31.

Majestic Household Utilities Corporation, Chicago, Ill., to Garod Radio Corporation, New York, N. Y. Electric refrigerators and parts thereof. 284,178, re-renewed June 16, 1951. O. G. Jan. 1. Class 31.

Majestic Specialties Mfg. Co., Chicago, Ill., assignor to Grigsby-Grunow Company, to Garod Radio Corporation, New York, N. Y. Electric clocks. 285,264, renewed July 21, 1951. O. G. Jan. 1. Class 27.

Manley, Inc., Kansas City, Mo. Popcorn. 552,685, Jan. 1; Serial No. 569,387, published Jan. 24, 1950. Class 46.

Martin Bros. Co.: *See*—
Bluhill Foods, Inc.

Massengill, S. E., Company, The, Bristol, Tenn. Veterinary preparation. 552,875, Jan. 1; Serial No. 606,552, published Aug. 7, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 552,876, Jan. 1; Serial No. 606,554, published Aug. 7, 1951. Class 18.

May Hosiery Mills, Nashville, Tenn. Hosiery. 552,768, Jan. 1; Serial No. 593,928, published Oct. 9, 1951. Class 39.

May, Sam, doing business as Changemaster Eng. Co., Dallas, Tex. Automatic coin changing machines. 552,709, Jan. 1; Serial No. 583,485, published Sept. 25, 1951. Class 26.

McAlester Fuel Company, The, McAlester, Okla. Antifreeze preparation. 552,703, Jan. 1; Serial No. 582,693, published Oct. 16, 1951. Class 6.

McSwain, John F., doing business as Industrial Asphalt Company, Berkeley, Calif. Asphaltic sealing compounds. 552,708, Jan. 1; Serial No. 583,438, published Sept. 11, 1951. Class 12.

Melville Shoe Corporation, New York, N. Y., by Freeman Shoe Corporation, Beloit, Wis. Shoes. 282,389, Apr. 21, 1931. Republished Jan. 1. Class 39.

Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Men's, women's, and children's hats and hat bodies. 444,624, Jan. 1; Serial No. 507,331, published Sept. 18, 1951. Class 39.

Micro Essential Laboratory: *See*—
Florin, Walter.

Military Service Company, The, Birmingham, Ala. Writing desks, tables, chairs, etc. 552,753, Jan. 1; Serial No. 591,503, published Oct. 9, 1951. Class 32.

Mill & Mine Supply, Inc., assignor to Titan Chain Saws, Inc., Seattle, Wash. Gasoline powered chain saws. 552,672, Jan. 1; Serial No. 579,202, published Sept. 18, 1951. Class 23.

Miller, T. R., Mill Company, Inc., Brewton, Ala. Packages, boxes and shipping cases. 552,712, Jan. 1; Serial No. 583,767, published Oct. 2, 1951. Class 2.

Millers Falls Company, Greenfield, Mass. Saw blades. 552,642, Jan. 1; Serial No. 545,870, published Oct. 9, 1951. Class 23.

Millo, Guy, Co.: *See*—
Staslo, Guy B.

Mills, Le Roy G., doing business as The Le Roy G. Mills Company, New York, N. Y. Suggestion box. 552,749, Jan. 1; Serial No. 590,906, published Oct. 9, 1951. Class 2.

Mills, Le Roy G., Company, The: *See*—
Mills, Le Roy G.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motion pictures. 552,817, Jan. 1; Serial No. 603,805, published Sept. 25, 1951. Class 26.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Surface coated fiber composition board and blocks. 552,756, Jan. 1; Serial No. 591,946, published Sept. 18, 1951. Class 12.

Minnesota Mining and Manufacturing Company, St. Paul, Minn. Additive for bituminous cements. 552,663, Jan. 1; Serial No. 575,279, published Sept. 18, 1951. Class 12.

Mitchell Auto Supply Co.: *See*—
Fertel, Irving.

Modern Food Process Co.: *See*—
Rosenberg, Louis.

Monarch Manufacturing Company, Milwaukee, Wis. Outerwear for men, women and children. 552,884, Jan. 1; Serial No. 607,339, published Sept. 18, 1951. Class 39.

Monroe Shirt Company: *See*—
Silfen, Mayer.

Montauk Shirt Company: *See*—
Berger, Samuel.

Moore, William E., Oakland, Calif. Special refrigerant. 444,630, Jan. 1; Serial No. 514,056. Class 1.

Morris, Philip, & Co. Ltd., Incorporated, New York, N. Y. Cigarettes. 552,831, Jan. 1; Serial No. 608,464, published Oct. 9, 1951. Class 17.

Mother's Food Products, Inc., Newark, N. J. Sweet and sour fish. 552,693, Jan. 1; Serial No. 572,371, published Sept. 18, 1951. Class 46.

Mueller, C. F., Co., to C. F. Mueller Company, Jersey City N. J. Egg-noodles and macaroni. 83,685, renewed Oct. 3, 1951. O. G. Jan. 1. Class 46.

Mueller, C. F., Company: *See*—
Mueller, C. F., Co.

Muir, E. O., and Company, Salt Lake City, Utah. Fresh celery. 552,627, Jan. 1; Serial No. 509,591, published Sept. 26, 1950. Class 46.

Mulco, S. A., La Chaux-de-Fonds, Switzerland. Watches and parts of watches. 552,691, Jan. 1; Serial No. 572,194, published Sept. 11, 1951. Class 27.

Murphy, James H., Cleveland, Ohio. Tips for smoking pipes. 552,658, Jan. 1; Serial No. 566,760, published Oct. 16, 1951. Class 8.

Murray Deodorisers Limited, Auckland, New Zealand. Pasteurizers, and machines for heating and cooling liquid and semi-liquid substances. 552,625, Jan. 1; Serial No. 499,142, published Oct. 2, 1951. Class 34.

National Biscuit Company: *See*—
Bishop & Company.

National Biscuit Company, Jersey City, N. J., and Chicago, Ill., to National Biscuit Company, New York, N. Y. Biscuits, crackers, bread, etc. 37,299, re-renewed Nov. 12, 1951. O. G. Jan. 1. Class 46.

National Tea Co., Chicago, Ill. Bread. 444,626, Jan. 1; Serial No. 516,995, published Oct. 9, 1951. Class 46.

Neptune Specialties, Inc., Tampa, Fla. Small, individual, waterproof plastic covered, decorative seat cushions. 552,832, Jan. 1; Serial No. 608,665, published Sept. 25, 1951. Class 32.

New England Bedding Company, Medford, Mass. Chairs. 552,863, Jan. 1; Serial No. 605,756, published Sept. 25, 1951. Class 32.

Norman Products Company, Columbus, Ohio. Gas-fired, forced air unit heater. 552,847, Jan. 1; serial No. 611,715, published Sept. 25, 1951. Class 34.

Northern Valley Packing Corporation, Hollandale, Minn. Raw potatoes. 552,767, Jan. 1; Serial No. 593,880, published Oct. 2, 1951. Class 46.

Novadel-Agene Corporation, Belleville, N. J. Apparatus for generating and delivering reagent gas. 552,700, Jan. 1; Serial No. 581,562, published Sept. 25, 1951. Class 34.

Old Kentucky Distillery, Incorporated, by Brown-Forman Distillers Corporation, Louisville, Ky. Whisky. 311,994, Apr. 10, 1934. Republished Jan. 1. Class 49.

Oregon Worsted Co., Portland, Oreg. Worsted cloth. 552,852, Jan. 1; Serial No. 612,755, published Oct. 9, 1951. Class 42.

Orr, Robert, & Co., Inc., assignor, by mesne assignments, to Robert Orr & Company, Nashville, Tenn. Packaged foods. 552,683, Jan. 1; Serial No. 568,442, published Oct. 2, 1951. Class 46.

Orr, Robert, & Company: *See*—
Orr, Robert, & Co., Inc.

Österreichische Knops- Und Metallwarenfabrik J. Meister & Co., Vienna, Austria. Cigarette, cigar and pipe lighters. 552,670, Jan. 1; Serial No. 578,617, published Oct. 16, 1951. Class 8.

Pacific Mills, Boston, Mass., and New York, N. Y. Woolen fabrics. 552,853, Jan. 1; Serial No. 612,821, published Oct. 9, 1951. Class 42.

Pan American Trade Development Corp., New York, N. Y. Non-metallic brake linings and clutch facings. 552,864, Jan. 1; Serial No. 605,868, published Oct. 9, 1951. Class 35.

Panozzo, Louis, Rockford, Ill. Salad dressing. 552,869, Jan. 1; Serial No. 606,171, published Sept. 18, 1951. Class 46.

Parmelee, A. F., doing business as United States Safety Service Company, assignor to United States Safety Service Company, Kansas City, Mo. Carbon monoxide detectors. 552,895, Jan. 1; Serial No. 552,003. Class 26.

Paul's, Mrs., Kitchens, assignor to Mrs. Paul's Kitchens, Inc., Philadelphia, Pa. Frozen foods. 552,907, Jan. 1; Serial No. 596,293. Class 46.

Paul's, Mrs., Kitchens, Inc.: *See*—
Paul's, Mrs., Kitchens.

Pennzoil Company, The, Oil City, Pa. Machine for applying postage stamps and addresses to post cards, etc. 552,885, Jan. 1; Serial No. 607,451, published Oct. 2, 1951. Class 23.

Perlman Brothers, Savannah, Ga. Shoes, ladies' and children's dresses, and men's and boys' suits. 287,279, renewed Sept. 15, 1951. O. G. Jan. 1. Class 39.

Petri Cigar Company: *See*—
Petri Wine Company.

Petri Wine Company, doing business as Petri Cigar Company, San Francisco, Calif. Cigars, cigarettes, and smoking and chewing tobacco. 552,785, Jan. 1; Serial No. 597,840, published Sept. 25, 1951. Class 17.

Photometric Corporation, The, New York, N. Y., assignee of Richard Bennett Associates, Inc. Men's and women's suits, coats, jackets, etc. 552,638, Jan. 1; Serial No. 541,802, published Sept. 4, 1951. Class 39.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 552,761, Jan. 1; Serial No. 593,286, published Aug. 14, 1951. Class 18.

Pickapeppa Company, Ltd., Shooters Hill, Jamaica, British West Indies. Blended sauce of fruits, vegetables and spice. 552,799, Jan. 1; Serial No. 600,548, published Oct. 9, 1951. Class 46.

Pink-King Corporation, Bridgeport, Conn. Manually actuated pinking shears. 552,680, Jan. 1; Serial No. 580,510, published Aug. 8, 1950. Class 23.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Painters' brushes. 288,456, renewed Oct. 27, 1951. O. G. Jan. 1. Class 29.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Painters' brushes. 288,458–9, renewed Oct. 27, 1951. O. G. Jan. 1. Class 29.

Porter Paint Company, Louisville, Ky. Enamels; asphalt roof coatings, etc. 552,918, Jan. 1; Serial No. 612,413. Class 16.

Posses, Inc., Jersey City, N. J. Liquid adhesive. 552,795, Jan. 1; Serial No. 599,256, published Sept. 4, 1951. Class 5.

Praga Food Products Co., Inc., New York, N. Y. Canned hams. 552,916, Jan. 1; Serial No. 607,095. Class 46.

Prince, H. G., & Company, Fruitvale, to California Packing Corporation, San Francisco, Calif. Canned fruit. 85,286, re-renewed Feb. 6, 1952. O. G. Jan. 1. Class 46.

Princess Peggy, Inc.: *See*—
Chic Manufacturing Co.

Prize-Pop Confections, Inc., Tullahoma, Tenn. Candy coated popcorn. 552,763, Jan. 1; Serial No. 593,499, published Oct. 9, 1951. Class 46.

Puritan Furniture Mfrs., Melrose, Mass. Wood beds, dressers, chests of drawers, etc. 552,661, Jan. 1; Serial No. 574,051, published Oct. 2, 1951. Class 32.

Quest-Shon Mark Brassiere Co., Inc., Brooklyn, N. Y. Brassières. 552,845, Jan. 1; Serial No. 610,229, published Oct. 9, 1951. Class 39.

Ransburg, Harper J., Co., Inc., Indianapolis, Ind. Metal receptacles. 552,719, Jan. 1; Serial No. 585,144, published Oct. 2, 1951. Class 2.

Rath Packing Company, The, Waterloo, Iowa. Quick frozen poultry products. 548,348, Sept. 18, 1951. Corrected. O. G. Jan. 1. Class 46.

Rexall Drug Company: *See*—
United Drug Company.

Rice, Harry E. and T. L., Columbus, Ind. Nursing bottle holders. 552,901, Jan. 1; Serial No. 586,496. Class 44.

Rice, Trenton L.: *See*—
Rice, Harry E. and T. L.

Ritex Watch Company: *See*—
Shragie, Harry.

Riv-Officine di Villar Perosa Società per Azioni, Turin, Italy. Cash registers. 552,882, Jan. 1; Serial No. 607,098, published Sept. 25, 1951. Class 26.

Rodana A. G., Grenchen, Switzerland. Watches, and parts of watches. 552,881, Jan. 1; Serial No. 606,811, published Aug. 28, 1951. Class 27.

Roman Raichert Company, Inc., Chicago, Ill. Sewing machine cabinets. 552,887, Jan. 1; Serial No. 607,520, published Oct. 9, 1951. Class 32.

Rosedale Knitting Company, Reading, Pa. Hosiery. 552,816, Jan. 1; Serial No. 603,207, published Oct. 9, 1951. Class 39.

Rosenberg, Louis, trading as Modern Food Process Co., Philadelphia, Pa. Dog and cat food. 552,837, Jan. 1; Serial No. 609,002, published Oct. 9, 1951. Class 46.

Rust Master Chemical Company, Cambridge, Mass. Carbureter and fuel line conditioner. 552,778, Jan. 1; Serial No. 596,298, published Sept. 4, 1951. Class 52.

Schering Corporation, Bloomfield, N. J. Pharmaceutical preparation. 552,675, Jan. 1; Serial No. 579,626, published Aug. 7, 1951. Class 18.

Schering & Glatz, Inc., to Warner-Hudnut, Inc., New York, N. Y. Medicinal preparation. 286,486, renewed Sept. 1, 1952. O. G. Jan. 1. Class 18.

Schering & Glatz, Inc., Bloomfield, N. J., to Warner-Hudnut, Inc., New York, N. Y. Medicinal preparation. 287,480, renewed Sept. 29, 1951. O. G. Jan. 1. Class 18.

Schield Bantam Company, Waverly, Iowa. Agricultural implements. 552,731, Jan. 1; Serial No. 586,940, published Aug. 28, 1951. Class 23.

Schramm, Inc., West Chester, Pa. Engine driven air compressors. 552,780, Jan. 1; Serial No. 596,869, published Sept. 4, 1951. Class 23.

Schulte, D. A., Inc., New York, N. Y. Pipe cleaners, cigar holders, cigarette holders, etc. 552,649, Jan. 1; Serial No. 554,717, published Jan. 10, 1950. Class 8.

Schultz, Baujan & Co., Beardstown, Ill. Wheat flour. 552,628, Jan. 1; Serial No. 517,671, published Oct. 9, 1951. Class 46.

Scudder, Chas. A., doing business as Two-S Food Products Co., Oakland, to Chas. A. Scudder, Monterey Park, Calif. Peanut butter. 291,203, renewed Feb. 2, 1952. O. G. Jan. 1. Class 46.

Sealwall Products: *See*—
Bines, Florence S.

Sealy, Incorporated, Chicago, Ill. Mattresses and box springs. 552,762, Jan. 1; Serial No. 593,448, published Sept. 25, 1951. Class 32.

Sears, Roebuck and Co., Chicago, Ill. Roll roofing, roofing shingles, building paper, etc. 552,641, Jan. 1; Serial No. 544,910, published Mar. 22, 1949. Class 12.

Sears, Roebuck and Co., Chicago, Ill. Miter boxes, levels, squares, etc. 552,687, Jan. 1; Serial No. 570,650, published Sept. 25, 1951. Class 26.

Sears, Roebuck and Co., Chicago, Ill. Wrenches, pliers, chisels, etc. 552,689, Jan. 1; Serial No. 571,095, published Nov. 7, 1950. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Blow torches and plumbers' portable blast furnaces. 552,690, Jan. 1; Serial No. 571,098, published Sept. 25, 1951. Class 34.

Sears, Roebuck and Co., Chicago, Ill. Hand operated insecticide, herbicide, and fungicide sprayers, etc. 552,697, Jan. 1; Serial No. 581,367, published Sept. 25, 1951. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Men's and boys' underwear. 552,774, Jan. 1; Serial No. 595,155, published Oct. 9, 1951. Class 39.

Sechrest, Ralph F., executor: *See*—
Hill, Fred A.

Service Gear Company: *See*—
Warehousing Service Co.

Service Industries (a trust), Philadelphia, Pa. General purpose concentrated liquid adhesive. 552,797, Jan. 1; Serial No. 600,230, published Sept. 4, 1951. Class 5.

Service Manufacturing Co., Inc., New York, N. Y. Cowboy boots. 552,811, Jan. 1; Serial No. 602,168, published Sept. 18, 1951. Class 39.

Servicised Products Corporation, Chicago, Ill. Thermoplastic rubberized bituminous composition. 552,626, Jan. 1; Serial No. 508,072, published Oct. 9, 1951. Class 12.

Shack, Stephen G., Pittsburgh, Pa. Cast metal scrolls. 552,911, Jan. 1; Serial No. 599,537. Class 13.

Shotwell Mfg. Co., The, Chicago, Ill. Chocolates. 552,681, Jan. 1; Serial No. 567,882, published Sept. 18, 1951. Class 46.

Shragie, Harry, doing business as Ritex Watch Company, New York, N. Y. Watches. 552,883, Jan. 1; Serial No. 607,268, published Aug. 28, 1951. Class 27.

Silfen, Mayer, doing business as Monroe Shirt Company, New York, N. Y. Dress, negligee, and work shirts for men. 552,653, Jan. 1; Serial No. 561,411, published Sept. 4, 1951. Class 39.

Simon, Healey & Goldstein, Inc., New York, N. Y. Fabrics. 552,848, Jan. 1; Serial No. 612,418, published Oct. 9, 1951. Class 42.

SirSteak Machinery, Inc., Acton, Mass. Meat tenderizers. 552,726, Jan. 1; Serial No. 586,366, published Aug. 28, 1951. Class 23.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Men's, women's, misses', and children's caps; hats; shoes, etc. 552,740, Jan. 1; Serial No. 589,120, published Sept. 25, 1951. Class 39.

Sleepwear, Inc., New York, N. Y. Men's, women's, and children's pajamas and nightshirts. 425,838, Dec. 3, 1946. Republished Jan. 1. Class 39.

Sloane, W. & J., New York, N. Y. Traditional and modern bedroom furniture, traditional and modern dining room furniture, etc. 444,628–9, Jan. 1; Serial Nos. 525,039–40, published Oct. 9, 1951. Class 32.

Small, Marvin, to Carter Products, Inc., New York, N. Y. Deodorants and odor deterrents. 291,832, renewed Feb. 23, 1952. O. G. Jan. 1. Class 51.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. 552,878, Jan. 1; Serial No. 606,633, published Aug. 7, 1951. Class 18.

Societe Anonyme André Citroën, Paris, France. Traction engines, internal-combustion engines, and structural parts thereof. 552,684, Jan. 1; Serial No. 569,307, published Sept. 18, 1951. Class 23.

Societe Anonyme Georges Lesieur & Ses Fils, Paris, France. Butter, cheese, edible fats and oils, etc. 552,734, Jan. 1; Serial No. 588,051, published Sept. 11, 1951. Class 46.

"Sonapar," Société de Participation, Société Anonyme, Luxemburg, Luxemburg. Machines for sawing, cutting, polishing, and drilling rock and stones. 552,686, Jan. 1; Serial No. 570,387, published Sept. 25, 1951. Class 23.

Sonoco Products Company, Hartsville, S. C. Paper cones and paper tubes, cylindrical paper tubes, etc. 552,840, Jan. 1; Serial No. 609,149, published Oct. 9, 1951. Class 2.

Spool Cotton Company, The, New York, N. Y. Display devices. 288,370, renewed Oct. 27, 1951. O. G. Jan. 1. Class 32.

Squire Dingee Company, Chicago, Ill. Fruit butters. 289,843, renewed Dec. 8, 1951. O. G. Jan. 1. Class 46.

Staley Milling Company, North Kansas City, Mo. Feed-compound. 552,679, Jan. 1; Serial No. 580,382, published Oct. 9, 1951. Class 46.

Standard Milling Company, Chicago, Ill. Powdered egg product. 552,866, Jan. 1; Serial No. 606,058, published Sept. 18, 1951. Class 46.

Standard Motor Company Limited, The, Coventry, England. Motor cars. 552,750, Jan. 1; Serial No. 591,117, published Sept. 25, 1951. Class 19.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif., to California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Animal fly sprays, insecticides, insect repellents. 287,115, renewed Sept. 15, 1951. O. G. Jan. 1. Class 6.

Standard Register Company, The, Dayton, Ohio. Manifolding assemblies. 288,024, renewed Oct. 20, 1951. O. G. Jan. 1. Class 37.

Star Bedding Co., St. Louis, Mo. Down-filled comforts and quilts. 552,809, Jan. 1; Serial No. 602,073, published Oct. 9, 1951. Class 42.

Stasio, Guy B., doing business under the firm name and style of Guy Millo Co., New York, N. Y. Mattresses. 552,793, Jan. 1; Serial No. 599,065, published Oct. 2, 1951. Class 32.

Stevens, Chas. A., & Co., Chicago, Ill. Knit dresses, sport dresses, skirts, etc. 552,673, Jan. 1; Serial No. 579,224, published Sept. 18, 1951. Class 39.

Stevens, J. P., & Co., Inc., New York, N. Y. Cotton piece goods. 552,855, Jan. 1; Serial No. 613,089, published Oct. 9, 1951. Class 42.

Stout, Charles B., doing business as Washington Flour Mill, Washington, Mo. Wheat-flour. 288,327, renewed Oct. 27, 1951. O. G. Jan. 1. Class 46.

Strong Electric Corporation, The, Toledo, Ohio. Electric spotlights, and parts thereof. 552,856, Jan. 1; Serial No. 613,092, published Oct. 16, 1951. Class 21.

Sturdee Steel Products Company: *See*—
Fowler, Roscoe.

Sun Rubber Company, The, Barberton, Ohio. Layettes for dolls. 552,812, Jan. 1; Serial No. 602,228, published Sept. 18, 1951. Class 22.

Sunnen Products Company, St. Louis, Mo. Honing tools and parts thereof. 552,777, Jan. 1; Serial No. 596,245, published Sept. 18, 1951. Class 23.

Superior Engineering Company: *See*—
Frost, John G.

Tarrant Manufacturing Company, Saratoga Springs, N. Y. Combined tanks and heating medium. 552,867, Jan. 1; Serial No. 606,063, published Oct. 2, 1951. Class 34.

Taylor Instrument Companies, Rochester, N. Y. Fluid actuated instrument for measuring the temperature or pressure value of a medium, etc. 552,732, Jan. 1; Serial No. 587,368, published Sept. 25, 1951. Class 26.

Tea Garden Products Co., also trading as Fresh Fruit Preserving Co. and Hi-Est Quality Products Co., San Francisco, Calif. Fruit preserves, berry preserves, jams, etc. 552,894, Jan. 1; Serial No. 550,960. Class 46.

Technicon Company, The, New York, N. Y. Apparatus for collecting fractions or samples of materials. 552,838, Jan. 1; Serial No. 609,109, published Sept. 25, 1951. Class 26.

Terre Haute Brewing Company, Inc., Terre Haute, Ind. Beer. 371,249, Sept. 19, 1939. Republished Jan. 1. Class 48.

Thermo-Rite Manufacturing Company, Akron, Ohio. Fireplace fixture or front. 552,846, Jan. 1; Serial No. 611,384, published Sept. 25, 1951. Class 34.

Thomas Mechanical Collator: *See*—
Thomas, Wilbur E.

Thomas Mechanical Collator Corporation: *See*—
Thomas, Wilbur E.

Thomas, Wilbur E., doing business as Thomas Mechanical Collator, to Thomas Mechanical Collator Corporation, New York, N. Y. Mechanical fingers. 525,918, June 6, 1950. New certificate. O. G. Jan. 1. Class 23.

Thompson & Company, Inc., Tampa, Fla. Cigars. 552,775, Jan. 1; Serial No. 595,627, published Sept. 25, 1951. Class 17.

Titan Chain Saws, Inc.: *See*—
Mill & Mine Supply, Inc.

Tonak, továrny na klobouky, národní podnik, Novy Jicin, Czechoslovakia. Hats and hat bodies. 552,738, Jan. 1; Serial No. 588,607, published Sept. 18, 1951. Class 39.

Tonak, továrny na klobouky, národní podnik, Novy Jicin, Czechoslovakia. Hats and hat bodies. 552,741, Jan. 1; Serial No. 589,128, published Sept. 18, 1951. Class 39.

Tonak, továrny na klobouky, národní podnik, Novy Jicin, Czechoslovakia. Hats. 552,798, Jan. 1; Serial No. 600,313, published Sept. 18, 1951. Class 39.

Towns, Broma C.: *See*—
Towns, John T.

Towns, John T., doing business as Broma C. Towns, Huttig, Ark. Medicinal compound. 552,725, Jan. 1; Serial No. 585,613, published Aug. 7, 1951. Class 18.

Triangle Jack Company, Inc., The, Wichita, Kans. Manually operated mechanical jacks. 552,821, Jan. 1; Serial No. 604,670, published Sept. 4, 1951. Class 23.

Trimble Hat Company, The, Minneapolis, Minn. Men's hats. 552,773, Jan. 1; Serial No. 595,105, published Sept. 18, 1951. Class 39.

Triumph Engineering Company Limited, Coventry, England. Motor cycles. 552,794, Jan. 1; Serial No. 599,201, published Sept. 25, 1951. Class 19.

Tru-Gan Manufacturing Co., Inc., Cleveland, Ohio. Vests. 552,802, Jan. 1; Serial No. 600,864, published Sept. 18, 1951. Class 39.

Two-S Food Products Co.: *See*—
Scudder, Chas. A.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.
Union Trading Company, Ltd., Basel, Switzerland. Leaf tobacco. 552,727, Jan. 1; Serial No. 586,371, published Oct. 9, 1951. Class 17.
Union Trading Company, Ltd., Basel, Switzerland. Leaf tobacco. 552,728, Jan. 1; Serial No. 586,378, published Oct. 9, 1951. Class 17.
United Drug Company, Boston, Mass., to Rexall Drug Company, Los Angeles, Calif. Electric appliances. 288,965, renewed Nov. 10, 1951. O. G. Jan. 1. Class 21.
United Drug Company, Boston, Mass., to Rexall Drug Company, Los Angeles, Calif. Therapeutic lamps, vibrators, and hair dryers. 288,985, renewed Nov. 10, 1951. O. G. Jan. 1. Class 44.
United Metal Box Co., Inc., Brooklyn, N. Y. Steel bath room cabinet. 547,705–6, Sept. 11, 1951. Corrected. O. G. Jan. 1. Class 32.
United States Envelope Company, Springfield, Mass. Paper drinking cups. 552,698, Jan. 1; Serial No. 581,504, published Oct. 2, 1951. Class 2.
United States Envelope Company, Springfield, Mass. Merchandise envelopes. 552,699, Jan. 1; Serial No. 581,505, published Oct. 2, 1951. Class 2.
United States Food Company, The, Cambridge, Ohio. Mineral and vegetable preparation. 552,678, Jan. 1; Serial No. 580,217, published Aug. 7, 1951. Class 18.
United States Safety Service Company: *See*—
Parmelee, A. F.
Vesuvius Crucible Company, Swissvale, Pa. Ladle stoppers. 552,669, Jan. 1; Serial No. 578,470, published Sept. 25, 1951. Class 34.
Victaulic Company Limited, The, London, England. Tanks. 552,806, Jan. 1; Serial No. 601,762, published Oct. 2, 1951. Class 2.
Virtue Bros. Mfg. Co., Los Angeles, Calif. Table tops. 552,657, Jan. 1; Serial No. 565,592, published Apr. 17, 1951. Class 32.
Vital Products Manufacturing Company, Cleveland, Ohio. Plastic dispensing gun-type hand tool. 552,754, Jan. 1; Serial No. 591,817, published Aug. 28, 1951. Class 23.
W. L. W. Grinding and Manufacturing Company, Inc., Chicago, Ill. Scissors. 552,765, Jan. 1; Serial No. 593,759, published Sept. 18, 1951. Class 23.
W. S. K. Incorporated, Detroit, Mich. Clutch. 552,755, Jan. 1; Serial No. 591,819, published Aug. 28, 1951. Class 23.
Walden, Stevens, Inc., Worcester, Mass. Wrenches and wrench sets. 288,813, renewed Nov. 3, 1951. O. G. Jan. 1. Class 23.
Walker-Young Corporation, Long Beach, Calif. Pneumatic medicating rectal dilator. 552,871, Jan. 1; Serial No. 606,351, published Oct. 9, 1951. Class 44.
Warehousing Service Co., doing business as Service Gear Company, Chicago, Ill. Transmission rebuilding parts kits. 552,788, Jan. 1; Serial No. 598,283, published Aug. 28, 1951. Class 23.
Warner-Hudnut, Inc.: *See*—
Schering & Glatz, Inc.
Washburn & Granger, Inc., New York, N. Y. Cabinet type steam and hot water washers and sterilizers. 552,759, Jan. 1; Serial No. 592,239, published Sept. 18, 1951. Class 23.
Washington Flour Mill: *See*—
Stout, Charles B.
Wedding Breakfast Coffee Co.: *See*—
Bluhill Foods, Inc.
Wesco Foods Co.: *See*—
Kroger Grocery & Baking Co., The
Whitlock Cordage Co., New York, N. Y. Rope. 288,000, renewed Oct. 20, 1951. O. G. Jan. 1. Class 7.
Williams, J. B., Company, The, Glastonbury, Conn. Soap. 84,560, re-renewed Dec. 19, 1951. O. G. Jan. 1. Class 52.
Williamson Candy Company, Chicago, Ill. Candy. 552,917, Jan. 1; Serial No. 611,870. Class 46.
Williamsport Paper Box Company, Inc., Williamsport, Pa. Set-up paper boxes. 552,905, Jan. 1; Serial No. 595,347. Class 2.
Wiltrout, C. A., Mfg. Co., St. Paul, Minn. Walking heels. 552,830, Jan. 1; Serial No. 608,293, published Oct. 9, 1951. Class 44.
Winch-Lift, Inc., Webster Parish and Shreveport, La. Dump trailers. 552,903, Jan. 1; Serial No. 589,183. Class 19.
Winter & Company, New York, N. Y. Pianos. 552,645, Jan. 1; Serial No. 549,351, published Oct. 9, 1951. Class 36.
Winton Lumber Company, Minneapolis, Minn. Lumber. 552,640, Jan. 1; Serial No. 544,237, published Sept. 18, 1951. Class 12.
Witter, Frank D., Genoa, Ill. Salad dressing. 552,784, Jan. 1; Serial No. 597,480, published Oct. 9, 1951. Class 46.
Wolf Bros. & Co., Red Lion, Pa. Cigars. 552,810, Jan. 1; Serial No. 602,117, published Oct. 2, 1951. Class 17.
Wolfram & Molybdene Société Anonyme, Nyon, Switzerland. Metal powder and metal powder mixtures for cemented carbide alloys, etc. 552,664, Jan. 1; Serial No. 577,848, published Feb. 13, 1951. Class 14.
Wolfram & Molybdene Société Anonyme, Nyon, Switzerland. Metal powder and metal powder mixtures for cemented carbide alloys, etc. 552,665, Jan. 1; Serial No. 577,849, published Jan. 16, 1951. Class 14.
Wolfram & Molybdene Société Anonyme, Nyon, Switzerland. Tools. 552,666, Jan. 1; Serial No. 577,850, published May 8, 1951. Class 23.
Wood, Gar, Industries, Inc., Wayne, Mich. Hydraulic pumps; hydraulic direct-lift, arm-type, cam and roller, telescopic, hi-lift and mechanical hoists and parts, etc. 552,633, Jan. 1; Serial No. 536,890, published Sept. 4, 1951. Class 23.
Wood, Gar, Industries, Inc., Wayne, Mich. Hydraulic pumps; hydraulic direct-lift, arm-type, cam and roller, telescopic, hi-lift and mechanical hoists and parts, etc. 552,634, Jan. 1; Serial No. 537,763, published Sept. 4, 1951. Class 23.
Wood, John, Company, New York, N. Y., and Muskegon Heights, Mich. Automatic hose winding machines and housings therefor. 552,745, Jan. 1; Serial No. 590,538, published Oct. 9, 1951. Class 23.
Wood, John, Company, New York, N. Y., and Muskegon Heights, Mich. Automatic hose winding machines and housings therefor. 552,746, Jan. 1; Serial No. 590,540, published Oct. 2, 1951. Class 23.
Wood, John, Company, New York, N. Y., and Muskegon Heights, Mich. Automatic hose winding machines and housings therefor. 552,747, Jan. 1; Serial No. 590,541, published Oct. 9, 1951. Class 23.
Woodboss Inc., Portland, Oreg. Portable internal combustion engines. 552,659, Jan. 1; Serial No. 567,162, published Sept. 4, 1951. Class 23.
Woodfair Manufacturing Company, Cincinnati, Ohio. General line of custom furniture. 552,662, Jan. 1; Serial No. 575,176, published Oct. 2, 1951. Class 32.
Yale & Towne Manufacturing Company, The, New York, N. Y. Electric and manually operated load transporting and lifting trucks. 552,636, Jan. 1; Serial No. 538,338, published Oct. 16, 1951. Class 23.
Young Radiator Company, Racine, Wis. Heat transfer units. 552,790, Jan. 1; Serial No. 598,405, published Oct. 2, 1951. Class 34.
Young Radiator Company, Racine, Wis. Heat transfer units. 552,791–2, Jan. 1; Serial Nos. 598,407–8, published Sept. 18, 1951. Class 34.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Asphalt compositions. The Philip Carey Manufacturing Company. 552,652, Jan. 1; Serial No. 556,476, published Sept. 18, 1951.
Cotton waste. Green Textile Associates, Incorporated. 552,781, Jan. 1; Serial No. 596,913, published Oct. 9, 1951.
Leather, Calfskin. Creese and Cook Company. 552,815, Jan. 1; Serial No. 602,891, published Oct. 9, 1951.
Leather, Side. American Hide and Leather Company, Boston, Mass. 287,095, renewed Sept. 15, 1951. O. G. Jan. 1.
Ores. E. J. Lavino and Company. 290,725–6, renewed Jan. 12, 1952. O. G. Jan. 1.
Purified cotton linter pulp. Hercules Powder Company. 289,304–5, renewed Nov. 24, 1951. O. G. Jan. 1.
Special refrigerant. W. E. Moore. 444,630, Jan. 1; Serial No. 514,056.

CLASS 2

Bags, Fabric clothes pin. Cobbs Manufacturing Company. 552,910, Jan. 1; Serial No. 599,309.
Bags, Paper. Gulf States Paper Corporation. 552,835–6, Jan. 1; Serial Nos. 608,932–3, published Oct. 2, 1951.
Bags, Paper. International Paper Company. 552,820, Jan. 1; Serial No. 604,003, published Oct. 2, 1951.
Bags, Paper. E. F. Kemp. 289,947, renewed Dec. 15, 1951. O. G. Jan. 1.
Box, Suggestion. L. G. Mills. 552,749, Jan. 1; Serial No. 590,906, published Oct. 9, 1951.
Boxes, Concrete storage, flower boxes, window boxes, etc. Chicago Granitine Manufacturing Company. 291,705, renewed Feb. 23, 1952. O. G. Jan. 1.
Boxes, Set-up paper. Williamsport Paper Box Company, Inc. 552,905, Jan. 1; Serial No. 595,347.
Compacts. Illinois Watch Case Co. 552,639, Jan. 1; Serial No. 542,764, published June 13, 1950.

Cones, Paper, and paper tubes, cylindrical paper tubes, etc. Sonoco Products Company. 552,840, Jan. 1; Serial No. 609,149, published Oct. 9, 1951.
Containers, Thermally insulated food and beverage. Hemp and Company, Incorporated. 552,674, Jan. 1; Serial No. 579,596, published Oct. 2, 1951.
Cups, Paper drinking. Boston Envelope Company. 552,631, Jan. 1; Serial No. 536,226, published Oct. 9, 1951.
Cups, Paper drinking. United States Envelope Company. 552,698, Jan. 1; Serial No. 581,504, published Oct. 2, 1951.
Dish ware, Plastic dinner. International Molded Plastics, Inc. 552,692, Jan. 1; Serial No. 572,305, published May 16, 1950.
Hampers and baskets, Vinyl coated canvas. C. R. Daniels, Inc. 552,654, Jan. 1; Serial No. 562,183, published Oct. 2, 1951.
Merchandise envelopes. United States Envelope Company. 552,699, Jan. 1; Serial No. 581,505, published Oct. 2, 1951.
Packages, boxes and shipping cases. T. R. Miller Mill Company, Inc. 552,712, Jan. 1; Serial No. 583,767, published Oct. 2, 1951.
Portable cabinets with prearranged fittings. The David Kenne Co. 552,671, Jan. 1; Serial No. 579,029, published Oct. 2, 1951.
Receptacles, Metal. Harper J. Ransburg Co., Inc. 552,719, Jan. 1; Serial No. 585,144, published Oct. 2, 1951.
Sacks, Cotton fibre. Ames Harris Neville Co. 552,729, Jan. 1; Serial No. 586,617, published Oct. 9, 1951.
Tanks. The Victaulic Company Limited. 552,806, Jan. 1; Serial No. 601,762, published Oct. 2, 1951.
Tanks, Open, air tight storage tanks, settling-tanks, etc. Alsop Engineering Corporation. 552,886, Jan. 1; Serial No. 607,473, published Oct. 2, 1951.
Tanks, Pressure tank sprinkler system storage. "Automatic" Sprinkler Corporation of America. 552,834, Jan. 1; Serial No. 608,848, published Oct. 9, 1951.
Trays, Wooden and plastic serving. Identatray Corporation. 552,736, Jan. 1; Serial No. 588,492, published Oct. 2, 1951.

CLASS 4

Abrasive papers and cloths. Herman Behr & Company Incorporated. 157,642, Aug. 15, 1922. Amended. O. G. Jan. 1.
Abrasive papers and cloths. Herman Behr & Company, Incorporated. 168,942, May 29, 1923. Amended. O. G. Jan. 1.

CLASS 5

Adhesive, General purpose concentrated liquid. Service Industries (a trust). 552,797, Jan. 1; Serial No. 600,230, published Sept. 4, 1951.
Adhesive, Liquid. Posees, Inc. 552,795, Jan. 1; Serial No. 599,256, published Sept. 4, 1951.

CLASS 6

Anti-freeze preparation. The McAlester Fuel Company. 552,703, Jan. 1; Serial No. 582,693, published Oct. 16, 1951.
Clarifier for beer. Cape Ann Isinglass Company. 285,443, July 28, 1931. Republished Jan. 1.
Liquid deodorant. Hillyard Chemical Company. 291,000, renewed Jan. 26, 1952. O. G. Jan. 1.
Sprays, Animal fly, insecticides, insect repellents. Standard Oil Company of California. 287,115, renewed Sept. 15, 1951. O. G. Jan. 1.

CLASS 7

Rope. Whitlock Cordage Co. 288,000, renewed Oct. 20, 1951. O. G. Jan. 1.

CLASS 8

Cigarette, cigar and pipe lighters. Österreichische Knops-Und Metallwarenfabrik J. Meister & Co. 552,670, Jan. 1; Serial No. 578,617, published Oct. 16, 1951.
Coaster and ash tray, Combination. The Ellmore Silver Co., Inc. 552,717, Jan. 1; Serial No. 584,979, published Oct. 9, 1951.
Pipe cleaners, cigar holders, cigarette holders, etc. D. A. Schulte, Inc. 552,649, Jan. 1; Serial No. 554,717, published Jan. 10, 1950.
Tips for smoking pipes. J. H. Murphy. 552,658, Jan. 1; Serial No. 566,760, published Oct. 16, 1951.

CLASS 9

Propellent powder. Hercules Powder Company. 289,898, renewed Dec. 15, 1951. O. G. Jan. 1.

CLASS 12

Additive for bituminous cements. Minnesota Mining and Manufacturing Company. 552,663, Jan. 1; Serial No. 575,279, published Sept. 18, 1951.
Asphaltic sealing compounds. J. F. McSwain. 552,708, Jan. 1; Serial No. 583,438, published Sept. 11, 1951.
Board and blocks, Surface coated fiber composition. Minnesota and Ontario Paper Company. 552,756, Jan. 1; Serial No. 591,946, published Sept. 18, 1951.
Lumber. Winton Lumber Company. 552,640, Jan. 1; Serial No. 544,237, published Sept. 18, 1951.
Reinforced plastic sheets. Corrulux Corp. 552,696, Jan. 1; Serial No. 580,772, published Sept. 18, 1951.
Roll roofing, roofing shingles, building paper, etc. Sears, Roebuck and Co. 552,641, Jan. 1; Serial No. 544,910, published Mar. 22, 1949.
Steel building products, Residential and industrial. Copco Steel and Engineering Company. 552,648, Jan. 1; Serial No. 554,650, published Sept. 18, 1951.
Surfacing material. American Bitumuls Company. 552,651, Jan. 1; Serial No. 555,911, published Sept. 25, 1951.
Thermoplastic rubberized bituminous composition. Servicised Products Corporation. 552,626, Jan. 1; Serial No. 508,072, published Oct. 9, 1951.

CLASS 13

Cast metal scrolls. S. G. Shack. 552,911, Jan. 1; Serial No. 599,537.

CLASS 14

Metal powder and metal powder mixtures for cemented carbide-alloys, etc. Wolfram & Molybdene Société Anonyme. 552,665, Jan. 1; Serial No. 577,849, published Jan. 16, 1951.
Metal powder and metal powder mixtures for cemented carbide-alloys, etc. Wolfram & Molybdene Société Anonyme. 552,664, Jan. 1; Serial No. 577,848, published Feb. 13, 1951.
Steel. Klosters Aktiebolag. 287,179, renewed Sept. 15, 1951. O. G. Jan. 1.

CLASS 16

Enamels; asphalt roof coatings, etc. Porter Paint Company. 552,918, Jan. 1; Serial No. 612,413.
Paint, Automobile. The Arco Company. 552,893, Jan. 1; Serial No. 546,746.
Paint mixing oils. E. I. du Pont de Nemours and Company. 552,643, Jan. 1; Serial No. 545,966, published July 12, 1949.
Paint, Ready-mixed, paint enamels, and toner colors. Frank W. Dunne Co. 552,902, Jan. 1; Serial No. 587,468.
Paint, Waterproofing. F. S. Bines. 552,900, Jan. 1; Serial No. 575,621.
Paints, Ready mixed, varnishes, and paint enamels. Armstrong Paint & Varnish Works. 552,891, Jan. 1; Serial No. 538,067.
Varnish. Chicago Paints, Inc. 552,898, Jan. 1; Serial No. 560,542.

CLASS 17

Cigarettes. Fleming-Hall Tobacco Co., Inc. 552,814, Jan. 1; Serial No. 602,727, published Aug. 14, 1951.
Cigarettes. Philip Morris & Co. Ltd., Incorporated. 552,831, Jan. 1; Serial No. 608,464, published Oct. 9, 1951.
Cigars. La Primadora Cigar Corporation. 552,842, Jan. 1; Serial No. 609,342, published Oct. 9, 1951.
Cigars. Thompson & Company, Inc. 552,775, Jan. 1; Serial No. 595,627, published Sept. 25, 1951.
Cigars. Wolf Bros. & Co. 552,810, Jan. 1; Serial No. 602,117, published Oct. 2, 1951.
Cigars, cigarettes and smoking and chewing tobacco. Petri Wine Company. 552,785, Jan. 1; Serial No. 597,840, published Sept. 25, 1951.
Snuff. American Snuff Company. 552,650, Jan. 1; Serial No. 555,356, published Sept. 25, 1951.
Tobacco, Leaf. Union Trading Company Ltd. 552,727, Jan. 1; Serial No. 586,371, published Oct. 9, 1951.
Tobacco, Leaf. Union Trading Company Ltd. 552,728, Jan. 1; Serial No. 586,378, published Oct. 9, 1951.

CLASS 18

Anti-histamine tablets. Brown Manufacturing Co. 552,758, Jan. 1; Serial No. 592,123, published Aug. 7, 1951.
Antiseptic, bactericidal, and bacteriostatic disinfectant and germicidal preparations. Hynson, Westcott & Dunning, Incorporated. 291,920, renewed Feb. 23, 1952. O. G. Jan. 1.
Antispasmodic. Bristol Laboratories Inc. 552,701, Jan. 1; Serial No. 581,705, published Aug. 7, 1951.
Medical preparation. Physicians and Hospitals Supply Company, Inc. 552,761, Jan. 1; Serial No. 593,286, published Aug. 14, 1951.
Medicated plastic dressing. Demco, Inc. 552,644, Jan. 1; Serial No. 546,283, published Sept. 25, 1951.
Medicinal compound. J. T. Towns. 552,725, Jan. 1; Serial No. 585,613, published Aug. 7, 1951.
Medicinal preparation. Allied Drugs, Inc. 552,822, Jan. 1; Serial No. 604,679, published July 24, 1951.
Medicinal preparation. Casimir Funk Laboratories, Inc. 552,829, Jan. 1; Serial No. 608,272, published Sept. 11, 1951.
Medicinal preparation. Schering & Glatz, Inc. 286,486, renewed Sept. 1, 1952. O. G. Jan. 1.
Medicinal preparation. Schering & Glatz, Inc. 287,480, renewed Sept. 29, 1951. O. G. Jan. 1.
Medicinal preparation. Smith, Kline & French Laboratories. 552,878, Jan. 1; Serial No. 606,633, published Aug. 7, 1951.

Mineral and vegetable preparation. The United States Food Company. 552,678, Jan. 1; Serial No. 580,217, published Aug. 7, 1951.
Oral preparation comprising a synthetic product having a corpus lecterim effect. Abbott Laboratories. 552,604, Jan. 1; Serial No. 580,567, published Aug. 7, 1951.
Pharmaceutical preparation. The S. E. Massengill Company. 552,876, Jan. 1; Serial No. 606,554, published Aug. 7, 1951.
Pharmaceutical preparation. Schering Corporation. 552,675, Jan. 1; Serial No. 579,626, published Aug. 7, 1951.
Pharmaceutical products. Laboratoires Om Societe Anonyme. 552,766, Jan. 1; Serial No. 593,877, published Sept. 11, 1951.
Veterinary preparation. The S. E. Massengill Company. 552,875, Jan. 1; Serial No. 606,552, published Aug. 7, 1951.

CLASS 19

Automotive vehicles, New and used. Coast-In Pontiac Co., Inc. 552,637, Jan. 1; Serial No. 541,404, published Sept. 25, 1951.
Cars, Motor. The Standard Motor Company Limited. 552,750, Jan. 1; Serial No. 591,117, published Sept. 25, 1951.
Motor cycles. Triumph Engineering Company Limited. 552,794, Jan. 1; Serial No. 599,201, published Sept. 25, 1951.
Packing house equipment. The Allbright-Nell Company. 552,704–5, Jan. 1; Serial Nos. 583,070–1, published Sept. 25, 1951.
Radiator caps and gas tank caps. I. Fertel. 552,896, Jan. 1; Serial No. 553,583.
Trailers, Dump. Winch-Lift, Inc. 552,903, Jan. 1; Serial No. 589,183.
Trucks, Hand. John H. Best & Sons, Inc. 552,899, Jan. 1; Serial No. 562,906.

CLASS 21

Connectors, Electrical. Burndy Engineering Company, Inc. 552,851, Jan. 1; Serial No. 612,585, published Oct. 9, 1951.
Electric appliances. United Drug Company. 288,965, renewed Nov. 10, 1951. O. G. Jan. 1.
Electric floor scrubbing and wax polishing machine. S. C. Johnson & Son, Inc. 552,912, Jan. 1; Serial No. 599,877.
Spotlights, and parts thereof, Electric. The Strong Electric Corporation. 552,856, Jan. 1; Serial No. 613,092, published Oct. 16, 1951.
Transmission lines, Electrical. The American Steel and Wire Company of New Jersey. 552,850, Jan. 1; Serial No. 612,576, published Oct. 9, 1951.

CLASS 22

Dolls. Ideal Novelty & Toy Co. 552,787, Jan. 1; Serial No. 598,187, published Sept. 18, 1951.
Layettes for dolls. The Sun Rubber Company. 552,812, Jan. 1; Serial No. 602,228, published Sept. 18, 1951.
Seamless barrel swivels, safety snap swivels, lockfast swivels, etc. Art Wire & Stamping Co. 552,796, Jan. 1; Serial No. 600,207, published Oct. 2, 1951.
Toy miniature replicas, Sets of. Grey Iron Casting Company. 552,677, Jan. 1; Serial No. 579,816, published Sept. 18, 1951.
Toy sewing kit. Kathryn Kelley, Recordcraft. 552,770, Jan. 1; Serial No. 594,382, published Sept. 25, 1951.
Toys, Tethered ball. S. Lang. 552,742, Jan. 1; Serial No. 589,515, published Sept. 18, 1951.

CLASS 23

Agricultural implements. Schield Bantam Company. 552,731, Jan. 1; Serial No. 586,940, published Aug. 28, 1951.
Agricultural machinery and implements, etc. Allis-Chalmers Manufacturing Company. 552,823, Jan. 1; Serial No. 604,949, published Sept. 18, 1951.
Automatic hose winding machines and housings therefor. John Wood Company. 552,745, Jan. 1; Serial No. 590,538, published Oct. 9, 1951.
Automatic hose winding machines and housings therefor. John Wood Company. 552,746, Jan. 1; Serial No. 590,540, published Oct. 2, 1951.
Automatic hose winding machines and housings therefor. John Wood Company. 552,747, Jan. 1; Serial No. 590,541, published Oct. 9, 1951.
Axes, adzes, hatchets, etc. King Hardware Company. 552,735, Jan. 1; Serial No. 588,099, published Sept. 25, 1951.
Chain saws, Gasoline powered. Mill & Mine Supply, Inc. 552,672, Jan. 1; Serial No. 579,202, published Sept. 18, 1951.
Cloth cutting machines and parts thereof. Eastman Machine Company. 552,646, Jan. 1; Serial No. 551,173, published Sept. 18, 1951.
Clutch. W. S. K. Incorporated. 552,755, Jan. 1; Serial No. 591,819, published Aug. 28, 1951.
Electric and manually operated load transporting and lifting trucks. The Yale & Towne Manufacturing Company. 552,636, Jan. 1; Serial No. 538,338, published Oct. 16, 1951.
Engine driven air compressors. Schramm, Inc. 552,780, Jan. 1; Serial No. 596,869, published Sept. 4, 1951.
Engines, Portable internal combustion. Woodboss Inc. 552,659, Jan. 1; Serial No. 567,162, published Sept. 4, 1951.
Engines, Traction, internal-combustion engines, and structural parts thereof. Societe Anonyme André Citroën. 552,684, Jan. 1; Serial No. 569,307, published Sept. 18, 1951.
Hoists, Manually operable portable. Lincoln Precision Machining Company—Hoist Division. 552,776, Jan. 1; Serial No. 596,172, published Sept. 4, 1951.
Hydraulic pumps; hydraulic direct-lift, arm-type, cam and roller, telescopic, hi-lift, and mechanical hoists and parts, etc. Gar Wood Industries, Inc. 552,633, Jan. 1; Serial No. 536,890, published Sept. 4, 1951.
Hydraulic pumps; hydraulic direct-lift, arm-type, cam and roller, telescopic, hi-lift, and mechanical hoists and parts, etc. Gar Wood Industries, Inc. 552,634, Jan. 1; Serial No. 537,763, published Sept. 4, 1951.
Lawn mower, Electrically operated. The Huffman Manufacturing Company. 552,783, Jan. 1; Serial No. 597,080, published Sept. 18, 1951.
Machine for applying postage stamps and addresses to post cards, etc. The Pennzoil Company. 552,885, Jan. 1; Serial No. 607,451, published Oct. 2, 1951.
Machines for sewing, cutting, polishing, and drilling rock and stones. "Sonapar," Société de Participation, Societe Anonyme. 552,686, Jan. 1; Serial No. 570,387, published Sept. 25, 1951.
Machines for winding paper, cellulose, or other materials on to spools, etc. Les Ateliers de Constructions Mecaniques C. & A. Holweg. 552,748, Jan. 1; Serial No. 590,900, published Aug. 28, 1951.
Manifolding registers. The Autographic Register Company. 444,627, Jan. 1; Serial No. 523,884, published Sept. 25, 1951.
Mechanical fingers. W. E. Thomas. 525,918, June 6, 1950. New certificate. O. G. Jan. 1.
Mechanical jacks, Manually operated. The Triangle Jack Company, Inc. 552,821, Jan. 1; Serial No. 604,670, published Sept. 4, 1951.
Pinking attachments. Chester Machine Corporation. 552,771, Jan. 1; Serial No. 594,437, published Aug. 22, 1950.
Pinking shears, Manually actuated. Pink-King Corporation. 552,680, Jan. 1; Serial No. 580,510, published Aug. 8, 1950.
Printing devices. Addressograph Company. 282,078, renewed Mar. 1, 1952. O. G. Jan. 1.
Pumps, Spring hydraulic closing, automatic door openers and door closers, etc. Bridge Hardware Co., Inc. 552,751, Jan. 1; Serial No. 591,451, published Sept. 18, 1951.
Saw blades. Millers Falls Company. 552,642, Jan. 1; Serial No. 545,870, published Oct. 9, 1951.
Scissors. W. L. W. Grinding and Manufacturing Company, Inc. 552,765, Jan. 1; Serial No. 593,759, published Sept. 18, 1951.
Screw-drivers, nut-keys (wrenches), etc. Daimler-Motoren-Gesellschaft. 76,020, re-renewed Dec. 7, 1949. O. G. Jan. 1.
Sprayer, Mechanical. Casco Products Corporation. 552,647, Jan. 1; Serial No. 552,914, published Aug. 9, 1949.
Sprayers, etc., Hand operated insecticide, herbicide, and fungicide. Sears, Roebuck and Co. 552,697, Jan. 1; Serial No. 581,367, published Sept. 25, 1951.
Sprayers, Manually-operated. H. D. Hudson Manufacturing Company. 552,843, Jan. 1; Serial No. 610,072, published Aug. 28, 1951.
Stapling machines. The Bates Manufacturing Company. 552,769, Jan. 1; Serial No. 594,190, published Sept. 4, 1951.
Supports for pneumatic rock drills. Ingersoll-Rand Company. 552,861, Jan. 1; Serial No. 605,482, published Oct. 2, 1951.
Tenderizers, Meat. SirSteak Machinery, Inc. 552,726, Jan. 1; Serial No. 586,366, published Aug. 28, 1951.
Tool, Plastic dispensing gun-type hand. Vital Products Manufacturing Company. 552,754, Jan. 1; Serial No. 591,817, published Aug. 28, 1951.
Tools, Wolfram & Molybdene Société Anonyme. 552,666, Jan. 1; Serial No. 577,850, published May 8, 1951.
Tools and parts thereof, Honing. Sunnen Products Company. 552,777, Jan. 1; Serial No. 596,245, published Sept. 18, 1951.
Tools, Bit brace, bolt cutters, horseshoers' buttresses, etc. Greenfield Tap and Die Corporation. 289,804, renewed Dec. 8, 1951. O. G. Jan. 1.
Tools, Mechanics' hand. J O Manufacturing Co. 552,635, Jan. 1; Serial No. 538,286, published Sept. 18, 1951.
Transmission rebuilding parts kits. Warehousing Service Co. 552,788, Jan. 1; Serial No. 598,283, published Aug. 28, 1951.
Twist drills, reamers, milling cutters, etc. Greenfield Tap and Die Corporation. 552,676, Jan. 1; Serial No. 579,815, published Oct. 2, 1951.
Washers and sterilizers, Cabinet type steam and hot water. Washburn & Granger, Inc. 552,759, Jan. 1; Serial No. 592,239, published Sept. 18, 1951.
Windmills. Baker Manufacturing Company. 552,656, Jan. 1; Serial No. 564,921, published Sept. 4, 1951.

Wiping attachment for printing press. The Cronite Co., Inc. 552,739, Jan. 1; Serial No. 588,747, published Sept. 18, 1951.
Wrenches and wrench sets. Walden, Stevens, Inc. 288,813, renewed Nov. 3, 1951. O. G. Jan. 1.
Wrenches, pliers, chisels, etc. Sears, Roebuck and Co. 552,689, Jan. 1; Serial No. 571, 095, published Nov. 7, 1950.

CLASS 25

Locks, Door, door latches, and slide bolts. R. Fowler. 552,915, Jan. 1; Serial No. 605,898.

CLASS 26

Apparatus for collecting fractions or samples of materials. The Technicon Company. 552,838, Jan. 1; Serial No. 609,109, published Sept. 25, 1951.
Cameras, Photographic. Agfa Ansco Corporation. 290,126, renewed Dec. 22, 1951. O. G. Jan. 1.
Carbon monoxide detectors. A. F. Parmelee. 552,895, Jan. 1; Serial No. 552,003.
Cash registers. Riv-Officine di Villar Perosa Società per Azioni. 552,882, Jan. 1; Serial No. 607,098, published Sept. 25, 1951.
Coin changing machines, Automatic. S. May. 552,709, Jan. 1; Serial No. 583,485, published Sept. 25, 1951.
Drafting boards. The A. Lietz Co. 552,706, Jan. 1; Serial No. 583,157, published Sept. 11, 1951.
Encased set of instruments for mechanical drawing. The Frederick Post Company. 552,723, Jan. 1; Serial No. 585,521, published Oct. 2, 1951.
Encased set of instruments for mechanical drawing. The Frederick Post Company. 552,724, Jan. 1; Serial No. 585,522, published Sept. 11, 1951.
Fluid actuated instrument for measuring the temperature or pressure value of a medium, etc. Taylor Instrument Companies. 552,732, Jan. 1; Serial No. 587,368, published Sept. 25, 1951.
Meters, gauges and controlling valves. W. E. Anderson, Inc. 552,782, Jan. 1; Serial No. 597,054, published Oct. 2, 1951.
Miter boxes, levels, squares, etc. Sears, Roebuck and Co. 552,687, Jan. 1; Serial No. 570,650, published Sept. 25, 1951.
Motion pictures. Gulf Coast Films, Inc. 552,819, Jan. 1; Serial No. 603,997, published Sept. 25, 1951.
Motion pictures. Minneapolis-Honeywell Regulator Company. 552,817, Jan. 1; Serial No. 603,805, published Sept. 25, 1951.
Navigation instruments, ordnance instruments, calculating apparatus. Arma Corporation. 552,711, Jan. 1; Serial No. 583,724, published Sept. 25, 1951.
Optical instrument and parts thereof. G. C. Francis. 552,859, Jan. 1; Serial No. 605,093, published Sept. 25, 1951.
Packing house equipment. The Allbright-Nell Company. 552,705, Jan. 1; Serial No. 583,071, published Sept. 25, 1951.
Photographic objective lenses. Bausch & Lomb Optical Company. 552,844, Jan. 1; Serial No. 610,198, published Sept. 25, 1951.
Sensitized photographic film. Agfa Ansco Corporation. 290,186–8, renewed Dec. 22, 1951. O. G. Jan. 1.
Spectacle frames. Lord Optical Manufacturing Corporation. 552,688, Jan. 1; Serial No. 570,901, published Sept. 25, 1951.
Testing kits for the qualitative and quantitative determination of the pH value of aqueous solutions or systems. W. Florin. 552,667, Jan. 1; Serial No. 578,080, published Oct. 2, 1951.

CLASS 27

Chronometers and watches. Abercrombie & Fitch Company. 552,733, Jan. 1; Serial No. 587,781, published Sept. 11, 1951.
Clocks, Electric. Majestic Specialties Mfg. Co. 285,264, renewed July 21, 1951. O. G. Jan. 1.
Watch movements, cases, dials, etc. Ernst Homberger-Rauschenbach, vorm. International Watch Co. 289,926, renewed Dec. 15, 1951. O. G. Jan. 1.
Watches. American Jewelry Distributors, Inc. 552,826, Jan. 1; Serial No. 608,096, published Sept. 11, 1951.
Watches. Bulova Watch Company, Inc. 552,880, Jan. 1; Serial No. 606,750, published Aug. 28, 1951.
Watches. Granat Bros. 552,879, Jan. 1; Serial No. 606,656, published Aug. 28, 1951.
Watches. H. Shragie. 552,883, Jan. 1; Serial No. 607,268, published Aug. 28, 1951.
Watches and parts of watches. S. A. Mulco. 552,691, Jan. 1; Serial No. 572,194, published Sept. 11, 1951.
Watches, and parts of watches. A. G. Rodana. 552,881, Jan. 1; Serial No. 606,811, published Aug. 28, 1951.
Watches and watch movements. Heloisa Societe Anonyme. 552,862, Jan. 1; Serial No. 605,585, published Sept. 11, 1951.
Watches, watch cases and watch movements. The Gruen Watch Company. 552,764, Jan. 1; Serial No. 593,638, published Aug. 28, 1951.
Watches, Wrist or strap. Bulova Watch Company, Inc. 552,702, Jan. 1; Serial No. 582,342, published Sept. 4, 1951.

CLASS 29

Brushes, Painter's. Pittsburgh Plate Glass Company. 288,456, renewed Oct. 27, 1951. O. G. Jan. 1.
Brushes, Painter's. Pittsburgh Plate Glass Company. 288,458–9, renewed Oct. 27, 1951. O. G. Jan. 1.

CLASS 31

Mechanical dry-type dust arrestors or collectors. American Air Filter Company, Inc. 532,728, Oct. 31, 1950. Corrected. O. G. Jan. 1.
Refrigerators. Majestic Household Utilities Co. 289,324, renewed Nov. 24, 1951. O. G. Jan. 1.
Refrigerators and parts thereof, Electric. Majestic Household Utilities Corporation. 284,178, renewed June 16, 1951. O. G. Jan. 1.

CLASS 32

Ash receptacles, Tobacco. Chicago Metallic Manufacturing Co. 552,718, Jan. 1; Serial No. 585,053, published Oct. 2, 1951.
Beds, Wood, dressers, chests of drawers, etc. Puritan Furniture Mfrs. 552,661, Jan. 1; Serial No. 574,051, published Oct. 2, 1951.
Cabinet, Steel bath room. United Metal Box Co., Inc. 547,705–6, Sept. 11, 1951. Corrected. O. G. Jan. 1.
Cabinets, Sewing machine. Roman Raichert Company, Inc. 552,887, Jan. 1; Serial No. 607,520, published Oct. 9, 1951.
Chairs. New England Bedding Company. 552,863, Jan. 1; Serial No. 605,756, published Sept. 25, 1951.
Desks, Writing, tables, chairs, etc. The Military Service Company. 552,753, Jan. 1; Serial No. 591,503, published Oct. 9, 1951.
Display devices. The Spool Cotton Company. 288,370, renewed Oct. 27, 1951. O. G. Jan. 1.
Furniture, Bedroom, breakfast room furniture, living room furniture. J. E. King Manufacturing Co. 552,807, Jan. 1; Serial No. 601,831, published Oct. 2, 1951.
Furniture, General line of custom. Woodfair Manufacturing Company. 552,662, Jan. 1; Serial No. 575,176, published Oct. 2, 1951.
Furniture, Traditional and modern bedroom, traditional and modern dining room furniture, etc. W. & J. Sloane. 444,628–9, Jan. 1; Serial Nos. 525,039–40, published Oct. 9, 1951.
Mattresses. G. B. Stasio. 552,793, Jan. 1; Serial No. 599,065, published Oct. 2, 1951.
Mattresses and box springs. Sealy, Incorporated. 552,762, Jan. 1; Serial No. 593,448, published Sept. 25, 1951.
Pillows. Burton-Dixie Corporation. 208,526, Nov. 1, 1932. Republished Jan. 1.
Seat cushions, Small, individual, waterproof plastic covered, decorative. Neptune Specialties, Inc. 552,832, Jan. 1; Serial No. 608,665, published Sept. 25, 1951.
Table tops. Virtue Bros. Mfg. Co. 552,657, Jan. 1; Serial No. 565,592, published Apr. 17, 1951.

CLASS 34

Apparatus for generating and delivering reagent gas. Novadel-Agene Corporation. 552,700, Jan. 1; Serial No. 581,562, published Sept. 25, 1951.
Blow torches and plumbers' portable blast furnaces. Sears, Roebuck and Co. 552,690, Jan. 1; Serial No. 571,098, published Sept. 25, 1951.
Broiler and griddle, In-built combination. Chambers Corporation. 552,682, Jan. 1; Serial No. 568,025, published Oct. 2, 1951.
Burners, Fuel oil. R. J. Buehler. 444,625, Jan. 1; Serial No. 512,105, published Aug. 23, 1949.
Fireplace fixture or front. Thermo-Rite Manufacturing Company. 552,846, Jan. 1; Serial No. 611,384, published Sept. 25, 1951.
Heat transfer units. Young Radiator Company. 552,790, Jan. 1; Serial No. 598,405, published Oct. 2, 1951.
Heat transfer units. Young Radiator Company. 552,791–2, Jan. 1; Serial Nos. 598,407–08, published Sept. 18, 1951.
Heater, Gas-fired, forced air unit. Norman Products Company. 552,847, Jan. 1; Serial No. 611,715, published Sept. 25, 1951.
Heaters, Fuel oil. J. G. Frost. 552,818, Jan. 1; Serial No. 603,989, published Sept. 25, 1951.
Ladle stoppers. Vesuvius Crucible Company. 552,669, Jan. 1; Serial No. 578,470, published Sept. 25, 1951.
Pasteurizers, and machines for heating and cooling liquid and semi-liquid substances. Murray Deodorisers Limited. 552,625, Jan. 1; Serial No. 499,142, published Oct. 2, 1951.
Refractory crucibles. Electro Refractories & Alloys Corporation. 552,757, Jan. 1; Serial No. 591,981, published Oct. 2, 1951.
Tanks and heating medium, Combined. Tarrant Manufacturing Company. 552,867, Jan. 1; Serial No. 606,063, published Oct. 2, 1951.

CLASS 35

Brake linings and clutch facings, Non-metallic. Pan American Trade Development Corp. 552,864, Jan. 1; Serial No. 605,868, published Oct. 9, 1951.

CLASS 36

Pianos. Winter & Company. 552,645, Jan. 1; Serial No. 549,351, published Oct. 9, 1951.
Strings for musical instruments. Boosey & Hawkes Limited. 552,897, Jan. 1; Serial No. 557,723.

CLASS 37

Envelops and linen paper. The American Paper Goods Company. 84,157, re-renewed Nov. 14, 1951. O. G. Jan. 1.
Manifolding assemblies. The Standard Register Company. 288,024, renewed Oct. 20, 1951. O. G. Jan. 1.
Paper. Lawrence Paper Manufcturing Company. 288,796, Nov. 3, 1931. Republished Jan. 1.

CLASS 38

Magazine. M. L. J. Magazines. 417,477, Oct. 30, 1945. New certificate. O. G. Jan. 1.
Magazine. M. L. J. Magazines, Inc. 403,372, Sept. 21, 1943. New certificate. O. G. Jan. 1.
News Reports, Construction. F. W. Dodge Corporation. 291,900, renewed Feb. 23, 1952. O. G. Jan. 1.

CLASS 39

Boots, Cowboy. Service Manufacturing Co., Inc. 552,811, Jan. 1; Serial No. 602,168, published Sept. 18, 1951.
Brassières. Quest-Shon Mark Brassiere Co., Inc. 552,845, Jan. 1; Serial No. 610,229, published Oct. 9, 1951.
Caps; hats; shoes, etc., Men's, women's, misses', and children's. William Skinner & Sons. 552,740, Jan. 1; Serial No. 589,120, published Sept. 25, 1951.
Dress shirts, sportswear and pajamas, Men's. S. Berger. 552,707, Jan. 1; Serial No. 583,323, published Sept. 18, 1951.
Dresses and pajamas, Ladies' and children's. Chic Manufacturing Co. 291,817, renewed Feb. 23, 1952. O. G. Jan. 1.
Dresses, frocks, aprons, etc., Women's and children's. Donnelly Garment Company. 286,852, renewed Sept. 8, 1951. O. G. Jan. 1.
Dresses, Knit, sport dresses, skirts, etc. Chas. A. Stevens & Co. 552,673, Jan. 1; Serial No. 579,224, published Sept. 18, 1951.
Fur coats, fur jackets, fur capes, etc., Ladies'. Madeline Furs, Ltd. 552,803, Jan. 1; Serial No. 601,055, published Sept. 18, 1951.
Hats. Tonak, továrny na klobouky, národní podnik. 552,798, Jan. 1; Serial No. 600,313, published Sept. 18, 1951.
Hats and hat bodies. Tonak, továrny na klobouky, národní podnik. 552,738, Jan. 1; Serial No. 588,607, published Sept. 18, 1951.
Hats and hat bodies. Tonak, továrny na klobouky, národní podnik. 552,741, Jan. 1; Serial No. 589,128, published Sept. 18, 1951.
Hats and hat bodies, Men's, women's, and children's. Merrimac Hat Corporation. 444,624, Jan. 1; Serial No. 507,331, published Sept. 18, 1951.
Hats, Ladies'. Emporium World Millinery Co. 552,872, Jan. 1; Serial No. 606,516, published Sept. 18, 1951.
Hats, Ladies'. Emporium World Millinery Co. 552,873–4, Jan. 1; Serial Nos. 606,520–1, published Sept. 11, 1951.
Hats, Men's. The Trimble Hat Company. 552,773, Jan. 1; Serial No. 595,105, published Sept. 18, 1951.
Hats, Men's felt. Etchison Hat Company, Inc. 552,870, Jan. 1; Serial No. 606,284, published Sept. 18, 1951.
Hats, Women's, children's and men's. Best & Co., Inc. 552,716, Jan. 1; Serial No. 584,953, published Sept. 11, 1951.
Hosiery. May Hosiery Mills. 552,768, Jan. 1; Serial No. 593,928, published Oct. 9, 1951.
Hosiery. Rosedale Knitting Company. 552,816, Jan. 1; Serial No. 603,207, published Oct. 9, 1951.
Outerwear for men, women and children. Monarch Manufacturing Company. 552,884, Jan. 1; Serial No. 607,339, published Sept. 18, 1951.
Outerwear, underwear, bathingwear, etc., Men's, women's, misses', children's and infants'. Centrotex. 552,695, Jan. 1; Serial No. 580,578, published Sept. 11, 1951.
Pajamas and nightshirts, Men's, women's and children's. Sleepwear, Inc. 425,838, Dec. 3, 1946. Republished Jan. 1, 1951.
Shirts for men, Dress, negligee and work. M. Slifen. 552,653, Jan. 1; Serial No. 561,411, published Sept. 4, 1951.
Shirts, Men's. S. Dennis, Inc. 552,772, Jan. 1; Serial No. 594,438, published Feb. 13, 1951.
Shirts, Men's and boys' dress and sport. Llondale Shirt Company. 552,877, Jan. 1; Serial No. 606,616, published Sept. 18, 1951.
Shoes, Melville Shoe Corporation. 282,389, Apr. 21, 1931. Republished Jan. 1.
Shoes, Children's leather and canvas. S. Freiburger & Bro. 83,974, re-renewed Oct. 24, 1951. O. G. Jan. 1.
Shoes, ladies' and children's dresses, and men's and boys' suits. Perlman Brothers. 287,279, renewed Sept. 15, 1951. O. G. Jan. 1.
Suits, coats, jackets, etc., Men's and women's. The Photometric Corporation. 552,638, Jan. 1; Serial No. 541,802, published Sept. 4, 1951.
Suits, slacks, jackets, top coats, etc., Men's. Sam Hootstein & Sons, Inc. 552,888, Jan. 1; Serial No. 607,591, published Sept. 11, 1951.
Undergarments, Ladies' and children's. Krumholz & Lichtblau. 284,371, June 23, 1931. Republished Jan. 1.
Underwear, Men's and boys'. Sears, Roebuck and Co. 552,774, Jan. 1; Serial No. 595,155, published Oct. 9, 1951.
Underwear, Men's, women's, boys', and girls'. Associated Knitters, Inc. 552,714, Jan. 1; Serial No. 584,745, published Oct. 9, 1951.
Vests. Tru-Gan Manufacturing Co., Inc. 552,802, Jan. 1; Serial No. 600,864, published Sept. 18, 1951.

CLASS 42

Blankets. Barker Bros. Corporation. 552,858, Jan. 1; Serial No. 613,210, published Oct. 9, 1951.
Carpets and rugs, Textile. The Magee Carpet Company. 552,860, Jan. 1; Serial No. 605,364, published Oct. 9, 1951.
Cloth, Worsted. Oregon Worsted Co. 552,852, Jan. 1; Serial No. 612,755, published Oct. 9, 1951.
Comforts and quilts, Down-filled. Star Bedding Co. 552,809, Jan. 1; Serial No. 602,073, published Oct. 9, 1951.
Draperies, Window, bed spreads, vanity skirts, etc. Cloverly Plastics, Inc. 552,789, Jan. 1; Serial No. 598,293, published Oct. 9, 1951.
Fabrics. Simon, Healey & Goldstein, Inc. 552,848, Jan. 1; Serial No. 612,418, published Oct. 9, 1951.
Fabrics, Dress and suit. Glen Raven Cotton Mills, Inc. 552,804, Jan. 1; Serial No. 601,323, published Oct. 9, 1951.
Fabrics, Knitted, cotton back, hair pile. Draper Brothers Company. 552,909, Jan. 1; Serial No. 598,169.
Fabrics, Textile. D. B. Fuller & Co., Inc. 552,865, Jan. 1; Serial No. 606,009, published Oct. 9, 1951.
Fabrics, Textile. Hego Fabrics, Inc. 552,854, Jan. 1; Serial No. 612,910, published Oct. 9, 1951.
Fabrics, Woolen. Pacific Mills. 552,853, Jan. 1; Serial No. 612,821, published Oct. 9, 1951.
Piece goods, Cotton. J. P. Stevens & Co., Inc. 552,855, Jan. 1; Serial No. 613,089, published Oct. 9, 1951.
Piece goods, Woolen. Botany Mills, Inc. 552,849, Jan. 1; Serial No. 612,530, published Sept. 11, 1951.
Piece goods, Woolen. Forstmann Woolen Co. 552,779, Jan. 1; Serial No. 596,409, published Oct. 9, 1951.
Towels. Barker Bros. Corporation. 552,857, Jan. 1; Serial No. 613,209, published Oct. 9, 1951.

CLASS 44

Adhesive bandages. The Kendall Company. 538,723, Feb. 27, 1951. Amended. O. G. Jan. 1.
Foot corrective appliances. Jung Products Inc. 552,828, Jan. 1; Serial No. 608,190, published Oct. 9, 1951.
Nursing bottle holders. H. E. and T. L. Rice. 552,901, Jan. 1; Serial No. 586,496.
Pneumatic medicating rectal dilator. Walker-Young Corporation. 552,871, Jan. 1; Serial No. 606,351, published Oct. 9, 1951.
Syringes, Disposable fountain. Kleenpak, Incorporated. 552,827, Jan. 1; Serial No. 608,170, published Oct. 9, 1951.
Therapeutic lamps, vibrators, and hair dryers. United Drug Company. 288,985, renewed Nov. 10, 1951. O. G. Jan. 1.
Walking heels. C. A. Wiltrout Mfg. Co. 552,830, Jan. 1; Serial No. 608,293, published Oct. 9, 1951.

CLASS 45

Beverages, Nonalcoholic malt-less. The Kroger Grocery & Baking Co. 290,617–18, renewed Jan. 12, 1952. O. G. Jan. 1.

CLASS 46

Beef, lamb, veal and pork. Amalgamated Meat Cutters and Butcher Workmen of North America. 552,889, Jan. 1; Serial No. 582,878, published Sept. 25, 1951.
Biscuits, crackers, bread, etc. National Biscuit Company. 37,299, re-renewed Nov. 12, 1951. O. G. Jan. 1.
Blended sauce of fruits, vegetables, and spice. Pickapeppa Company, Ltd. 552,799, Jan. 1; Serial No. 600,548, published Oct. 9, 1951.
Bread. Henry S. Levy & Son, Inc. 552,892, Jan. 1; Serial No. 538,936.
Bread. National Tea Co. 444,626, Jan. 1; Serial No. 516,995, published Oct. 9, 1951.
Butter. American Stores Company. 552,743, Jan. 1; Serial No. 589,702, published Oct. 2, 1951.
Butter, cheese, edible fats and oils, etc. Societe Anonyme Georges Lesieur & Ses Fils. 552,734, Jan. 1; Serial No. 588,051, published Sept. 11, 1951.
Candy. Ambrosia Chocolate Company. 176,686, Nov. 27, 1923. Republished Jan. 1.
Candy. Ambrosia Chocolate Company. 180,015, Feb. 19, 1924. Republished Jan. 1.
Candy. E. J. Brach & Sons. 552,630, Jan. 1; Serial No. 522,428, published Oct. 9, 1951.
Candy. M. J. Holloway & Co. 552,752, Jan. 1; Serial No. 591,481, published Sept. 18, 1951.
Candy. Williamson Candy Company. 552,917, Jan. 1; Serial No. 611,870.

Candy and all kinds of nuts. E. F. Kemp, Inc. 291,720, renewed Feb. 23, 1952. O. G. Jan. 1.
Canned asparagus and canned corn. Green Giant Company. 552,841, Jan. 1; Serial No. 609,295, published Oct. 2, 1951.
Canned fish. Balfour-Guthrie & Co. Limited. 552,808, Jan. 1; Serial No. 601,881, published Aug. 28, 1951.
Canned fruit. Apple Growers Association. 304,232, June 27, 1933. Republished Jan. 1.
Canned fruit. Apple Growers Association. 306,927, Oct. 3, 1933. Republished Jan. 1.
Canned fruit. H. G. Prince & Company. 85,286, re-renewed Feb. 6, 1952. O. G. Jan. 1.
Canned fruits. Apple Growers Association. 309,738, Jan. 30, 1934. Republished Jan. 1.
Canned fruits and canned vegetables. Apple Growers Association. 331,285, Dec. 31, 1935. Republished Jan. 1.
Canned hams. Praga Food Products Co., Inc. 552,916, Jan. 1; Serial No. 607,095.
Canned tomato paste. Flotill Products, Incorporated. 552,629, Jan. 1; Serial No. 521,443, published Oct. 16, 1951.
Celery, Fresh. E. O. Muir and Company. 552,627, Jan. 1; Serial No. 509,591, published Sept. 26, 1950.
Cereal preparations, canned foods. Gerber Products Company. 552,906, Jan. 1; Serial No. 595,721.
Cereals, canned foods, junior canned foods. Gerber Products Company. 552,904, Jan. 1; Serial No. 591,289.
Chocolate confection. Ambrosia Chocolate Company. 89,084, Nov. 12, 1912. Republished Jan. 1.
Chocolates. The Shotwell Mfg. Co. 552,681, Jan. 1; Serial No. 567,882, published Sept. 18, 1951
Clams, Frozen. R. L. Gulick, Jr. 552,913, Jan. 1; Serial No. 601,615.
Coffee. Holland House Coffee and Tea Corp. 552,744, Jan. 1; Serial No. 589,933, published Oct. 9, 1951.
Coffee, chocolate, flour, etc. Charles & Co. 32,514, Feb. 21, 1899. Republished Jan. 1.
Coffee, salad dressing, sandwich spreads, etc. Bluhill Foods, Inc. 552,890, Jan. 1; Serial No. 536,665.
Confections. C. Howard. 552,908, Jan. 1; Serial No. 597,612.
Crackers. Bishop & Company. 83,889, re-renewed Oct. 24, 1951. O. G. Jan. 1.
Dressed calves. Armour and Company. 552,715, Jan. 1; Serial No. 584,887, published Sept. 11, 1951.
Egg-noodles and macaroni. C. F. Mueller Co. 83,685, re-renewed Oct. 3, 1951. O. G. Jan. 1.
Egg product, Powdered. Standard Milling Company. 552,866, Jan. 1; Serial No. 606,058, published Sept. 18, 1951.
Feed-compound. Staley Milling Company. 552,679, Jan. 1; Serial No. 580,382, published Oct. 9, 1951.
Fish, Prepared. Davis Bros. Fisheries Co., Inc. 552,721, Jan. 1; Serial No. 585,435, published Sept. 11, 1951.
Fish, Prepared. Davis Bros. Fisheries Co. Inc. 552,722, Jan. 1; Serial No. 585,438, published Sept. 18, 1951.
Fish, Preserved, canned veal and beef roll, etc. Maconochie Brothers, Limited. 552,710, Jan. 1; Serial No. 583,703, published Sept. 11, 1951.
Fish, Sweet and sour. Mother's Food Products, Inc. 552,693, Jan. 1; Serial No. 572,371, published Sept. 18, 1951.
Flour, Wheat. Capitol Milling Company. 552,730, Jan. 1; Serial No. 586,911, published Sept. 18, 1951.
Flour, Wheat. Schultz, Baujan & Co. 552,628, Jan. 1; Serial No. 517,671, published Oct. 9, 1951.
Flour, Wheat, and stock and poultry feeds. The Blair Milling Company. 552,632, Jan. 1; Serial No. 536,578, published Oct. 9, 1951.
Food, Dog and cat. L. Rosenberg. 552,837, Jan. 1; Serial No. 609,002, published Oct. 9, 1951.
Foods, Frozen. Mrs. Paul's Kitchens. 552,907, Jan. 1; Serial No. 596,293.
Foods, Packaged. Robert Orr & Co., Inc. 552,683, Jan. 1; Serial No. 568,442, published Oct. 2, 1951.
Fruit butters. Squire Dingee Company. 289,843, renewed Dec. 8, 1951. O. G. Jan. 1.
Fruit preserves, berry preserves, jams, etc. Tea Garden Products Co. 552,894, Jan. 1; Serial No. 550,960.
Fruits, Fresh deciduous. Mad River Orchard Co. 552,914, Jan. 1; Serial No. 604,699.
Fruits, Quick frozen, berries, currants, etc. A/S Tönsberg Bryggeri. 552,668, Jan. 1; Serial No. 578,184, published Sept. 18, 1951.
Fudge sauce. G. G. Balch. 552,713, Jan. 1; Serial No. 583,908, published Oct. 9, 1951.
Horseradish. B. H. Bernheisel. 552,824, Jan. 1; Serial No. 607,890, published Sept. 18, 1951.
Ice cream. The Kroger Grocery & Baking Co. 290,576, renewed Jan. 12, 1952. O. G. Jan. 1.
Milk, Fresh, fresh cream, butter, etc. Enid Cooperative Creamery Association. 444,623, Jan. 1; Serial No. 458,531, published Nov. 11, 1947.
Milk, Fresh fluid pasteurized, sweet cream, skim milk, etc. The Isaly Dairy Company. 552,655, Jan. 1; Serial No. 563,933, published Sept. 18, 1951.
Nuts, Shelled and unshelled, salted and unsalted mixed. Edwards-Freeman, Inc. 552,760, Jan. 1; Serial No. 593,267, published Oct. 9, 1951.
Peanut butter. C. A. Scudder. 291,203, renewed Feb. 2, 1952. O. G. Jan. 1.
Pizza pie. Bacino-Pizza Food Products Co., Inc. 552,805, Jan. 1; Serial No. 601,418, published Sept. 18, 1951.
Popcorn. Manley, Inc. 552,685, Jan. 1; Serial No. 569,387, published Jan. 24, 1950.
Popcorn, Candy coated. Prize-Pop Confections, Inc. 552,763, Jan. 1; Serial No. 593,499, published Oct. 9, 1951.
Popcorn, Raw. Central Popcorn Company. 552,720, Jan. 1; Serial No. 585,368, published July 18, 1950.
Potatoes, Raw. Northern Valley Packing Corporation. 552,767, Jan. 1; Serial No. 593,880, published Oct. 2, 1951.
Poultry. California Turkey Growers Association. 552,737, Jan. 1; Serial No. 588,547, published Oct. 9, 1951.
Poultry products, Quick frozen. The Rath Packing Company. 548,348, Sept. 18, 1951. Corrected. O. G. Jan. 1.
Salad and cooking oil. Lookout Oil & Refining Company. 552,825, Jan. 1; Serial No. 608,044, published Oct. 16, 1951.
Salad dressing. L. Panozzo. 552,869, Jan. 1; Serial No. 606,171, published Sept. 18, 1951.
Salad dressing. F. D. Witter. 552,784, Jan. 1; Serial No. 597,480, published Oct. 9, 1951.
Sugar, Hard. The American Sugar Refining Company. 37,051, re-renewed Sept. 10, 1951. O. G. Jan. 1.
Sugar, Hard. The American Sugar Refining Company. 37,082, re-renewed Sept. 17, 1951. O. G. Jan. 1.
Sugar, Hard. The American Sugar Refining Company. 37,177, re-renewed Oct. 8, 1951. O. G. Jan. 1.
Turkeys, Smoked, smoked hams, smoked bacon, etc. Jugtown Mountain Smokehouse. 552,786, Jan. 1; Serial No. 597,885, published Oct. 9, 1951.
Vegetables, Fresh. A. J. Ashkar. 552,833, Jan. 1; Serial No. 608,807, published Oct. 9, 1951.
Vegetables, Fresh. King Maijan & Company. 552,839, Jan. 1; Serial No. 609,135, published Oct. 9, 1951.
Wheat-flour. C. B. Stout. 288,327, renewed Oct. 27, 1951. O. G. Jan. 1.

CLASS 48

Beer. Terre Haute Brewing Company, Inc. 371,249, Sept. 19, 1939. Republished Jan. 1.

CLASS 49

Whisky. The W. R. Howard Company. 319,806, Dec. 4, 1934. Republished Jan. 1.
Whisky. Labrot & Graham Incorporated. 310,197, Feb. 13, 1934. Republished Jan. 1.
Whisky, brandy, gin, etc. Lynndale Distillery Company. 319,754, Dec. 4, 1934. Republished Jan. 1.
Whisky. Old Kentucky Distillery, Incorporated. 311,994, Apr. 10, 1934. Republished Jan. 1.

CLASS 51

Deodorants and odor deterrents. M. Small. 291,832, renewed Feb. 23, 1952. O. G. Jan. 1.
Lipsticks. Elizabeth Arden, Inc. 289,493, renewed Dec. 1, 1951. O. G. Jan. 1.
Lipsticks. Elizabeth Arden, Inc. 289,617, renewed Dec. 1, 1951. O. G. Jan. 1.
Nail polish and lipstick. E. Juiesgaard. 552,660, Jan. 1; Serial No. 567,701, published Aug. 7, 1951.
Perfumes, Goya Incorporated. 552,813, Jan. 1; Serial No. 602,687, published Sept. 25, 1951.
Toilet water, perfume, rouge, etc. Elizabeth Arden Sales Corporation. 552,800, Jan. 1; Serial No. 600,754, published Sept. 18, 1951.
Tooth powders, dentifrices, and tooth pastes. Comfort Manufacturing Company. 334,061, Apr. 21, 1936. Republished Jan. 1.

CLASS 52

Carburetor and fuel line conditioner. Rust Master Chemical Company. 552,778, Jan. 1; Serial No. 596,298, published Sept. 4, 1951.
Cleaning fluid. I. J. Fox, Inc. 441,854, Jan. 18, 1949. Republished Jan. 1.
Detergent. Auto Chlor System, Inc. 552,801, Jan. 1; Serial No. 600,757, published Sept. 4, 1951.
Soap. W. Boyd. 552,868, Jan. 1; Serial No. 606,118, published Sept. 4, 1951.
Soap. The J. B. Williams Company. 84,560, re-renewed Dec. 19, 1951. O. G. Jan. 1.
Soap, Liquid baby. Hillyard Chemical Company. 291,464, renewed Feb. 9, 1952. O. G. Jan. 1.
Soap, Liquid surgical. Hillyard Chemical Company. 291,107, renewed Jan. 26, 1952. O. G. Jan. 1.

CLASS 100

Philanthropic services. Deborah Jewish Tuberculosis Society. 552,921, Jan. 1; Serial No. 609,915.

CLASS 102

Brokerage service. S. Loeb & Son. 552,919–20, Jan. 1; Serial Nos. 584,337–8.

LIST OF PLANT PATENTEES

Anderson, Frederic W., Merced, assignor to Kim Brothers, doing business as Reedley Nursery, Reedley, Calif. Nectarine tree. 1,060, Jan. 1.

Boellner, Louis B., Roswell, N. Mex., assignor to Stark Bro's. Nurseries and Orchards Company, Louisiana, Mo. Walnut tree. 1,063, Jan. 1.

Brownell, Josephine D., Little Compton, R. I. Rose plant. 1,059, Jan. 1.

Domilla, Silvio, assignor to Twin Nurseries, San Lorenzo, Calif. Rose plant. 1,061, Jan. 1.

Duehrsen, Carl G., assignor to Howard & Smith, Montebello, Calif. Rose plant. 1,062, Jan. 1.

Howard & Smith, assignee: *See*—
Duehrsen, Carl G.

Johnson, Ruth S., Oklahoma City, Okla., assignor to Stark Bro's. Nurseries and Orchards Company, Louisiana, Mo. Plum tree. 1,064, Jan. 1.

Kim Brothers, assignee: *See*
Anderson, Frederic W.

Reedley Nursery, assignee: *See*—
Anderson, Frederic W.

Stark Bro's. Nurseries and Orchards Company, assignee: *See*—
Boellner, Louis B.
Johnson, Ruth S.

LIST OF DESIGN PATENTEES

Banowetz, Michael W., assignee: *See*—
Harris, Olga D.

Bartolucci, Frank, Jr., New York, N. Y. Liquid dispenser. 165,568, Jan. 1.

Belgard, Austin B., Evanston, Ill. Spectacle front. 165,569, Jan. 1.

Brandenburger, Russell E., Sr., Shelbyville, Ind. Combined cabinet and couch. 165,571, Jan. 1.

Burgess, Donald V., Cut Bank, Mont. Ash tray. 165,572, Jan. 1.

Burne, Douglas, Dubois, Pa., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 165,570, Jan. 1.

Cabbage Patch Circle, assignee: *See*—
La Vielle, Marion N., and Heller.

Chase, Herbert S., New York, N. Y. Handbag. 165,573, Jan. 1.

Chrysler Corporation, assignee: *See*—
Keane, Henry J.
Reynolds, Frederick.

Cook-Waite Laboratories, Inc., assignee: *See*—
Lee, James W.

Corning Glass Works, assignee: *See*—
Goldman, Lee.

Dormeyer Corporation, assignee: *See*—
Morgan, Jack.

Fitzgerald, Colin: *See*—
Fryer, Joseph, and Fitzgerald.

Forman Family, Inc., assignee: *See*—
Forman, Sol, and Ramer.

Forman, Howard L., Belle Harbor, N. Y. Butter dish. 165,574, Jan. 1.

Forman, Sol, and L. Ramer, New York, assignors to Forman Family, Inc., Brooklyn, N. Y. Butter dish cover or similar article. 165,575, Jan. 1.

Fryer, Joseph, Vancouver, and C. Fitzgerald, West Vancouver, British Columbia, Canada. Wheeled balancing toy. 165,576, Jan. 1.

Fuld, Walter S., assignor to M. F. Paskes, New York, N. Y. Pouring attachment for containers. 165,577, Jan. 1.

Garay, Arnold, New York, N. Y. Belt. 165,578, Jan. 1.

Gerin Corporation, The, assignee: *See*—
Vla, George B.

Goldman, Lee, New York, assignor to Corning Glass Works, Corning, N. Y. Dish stand or similar article. 165,579, Jan. 1.

Hamlin, Lewis W., Little Rock, Ark. Foundation ventilator grille. 165,580, Jan. 1.

Harris, Olga D., assignor of one-half to M. W. Banowetz, New Orleans, La. Trolling device. 165,581, Jan. 1.

Heller, Henrietta B.: *See*—
La Vielle, Marion N., and Heller.

Horning, Wesley L., Fort Collins, Colo. Citrus peeler or similar article. 165,582, Jan. 1.

Johnson, Benjamin H., Mason, and W. W. Welch, Jr., assignors to W. W. Welch, Cincinnati, Ohio. Twin window fan. 165,583, Jan. 1.

Johnson, Elster H., San Francisco, Calif. Table or similar article. 165,584, Jan. 1.

Kadison, David E., New York, N. Y. Handbag. 165,585, Jan. 1.

Katz, Adolph, Providence, R. I. Brooch or the like. 165,586, Jan. 1.

Kaufman, Samuel J., New York, N. Y. Clockcase. 165,587, Jan. 1.

Kaufman, Samuel J., New York, N. Y. Clockcase. 165,588, Jan. 1.

Keane, Henry J., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Automobile grille bar. 165,589, Jan. 1.

La Vielle, M. N., and H. B. Heller, assignors to Cabbage Patch Circle, Louisville, Ky. Doll. 165,590, Jan. 1.

Lee, James W., Westfield, N. J., assignor to Cook-Waite Laboratories, Inc., New York, N. Y. Hypodermic needle. 165,591, Jan. 1.

Levinger, Benjamin M., Millbrae, Calif., assignor to Schlage Lock Company. Display cabinet. 165,592, Jan. 1.

Longines-Wittnauer Watch Co., Inc., assignee: *See*—
Newhouse, Leon.

Low, Roy G., Minneapolis, Minn. Swing. 165,593, Jan. 1.

Macdonald, John G., Goderich, Ontario, Canada. Grader. 165,594, Jan. 1.

Miller, Cleta B., assignee: *See*—
Miller, Richard A.

Miller, J. H., assignee: *See*—
Miller, Richard A.

Miller, Richard A., assignor of one-half to J. H. Miller, and one-half to C. B. Miller, New Philadelphia, Ohio. Telephone call timer unit. 165,595, Jan. 1.

Morgan, Jack, assignor to Dormeyer Corporation, Chicago, Ill. Deep fat fryer. 165,596, Jan. 1.

Muscetra, Amerigo, New York, N. Y. Lipstick case. 165,597, Jan. 1.

Nelson, George B., Chicago, Ill. Device for transporting bedridden patients. 165,598, Jan. 1.

Newhouse, Leon, Brooklyn, assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y. Watch case or similar article. 165,599, Jan. 1.

Onondaga Pottery Company, assignee: *See*—
Bourne, Douglas.

Orloff, Jack, New York, N. Y. Blouse. 165,600, Jan. 1.

Orloff, Jack, New York, N. Y. Blouse. 165,601, Jan. 1.

Orloff, Jack, New York, N. Y. Blouse. 165,602, Jan. 1.

Orloff, Jack, New York, N. Y. Blouse. 165,603, Jan. 1.

Orloff, Jack, New York, N. Y. Blouse. 165,604, Jan. 1.

Page, Mark, East Orange, N. J. Toy stove or similar article. 165,605, Jan. 1.

Parisi, Charles T., Pawtucket, assignor to Parisi Tool Company, Providence, R. I. Bracelet or similar article. 165,606, Jan. 1.

Parisi Tool Company, assignee: *See*
Parisi, Charles T.

Paskes, Marks F., assignee: *See*—
Fuld, Walter S.

Personal Products Corporation, assignee: *See*—
West, William.

Ramer, Leonard: *See*
Forman, Sol, and Ramer.

Rand, Alfred, White Plains, N. Y. Handbag frame. 165,607, Jan. 1.

Regina Corporation, The, assignee: *See*—
Verhagen, Edward L.

Reliance Molded Plastics, Inc., assignee: *See*—
Sofro, Louis J.

Reynolds, Frederick, Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Automobile grille bar. 165,608, Jan. 1.

Sablotny, William, Decatur, Ill. Electric lamp with double-faced mirror frame. 165,609, Jan. 1.

Sandberg, Harry O., Boston, Mass. Food washing and storing container or similar article. 165,610, Jan. 1.

Schlage Lock Company, assignee: *See*—
Levinger, Benjamin M.

Schwartz, Herman, Long Island City, N. Y. Sandwich toaster. 165,611, Jan. 1.

Shuman, Norman, Brooklyn, N. Y. Pin. 165,612, Jan. 1.

Smith, John W., Killbuck, Ohio. Clock casing or similar article. 165,613, Jan. 1.

Sofro, Louis J., assignor to Reliance Molded Plastics, Inc., Pawtucket, R. I. Toy whistle. 165,614, Jan. 1.

LIST OF PLANT PATENTEES

Anderson, Frederic W., Merced, assignor to Kim Brothers, doing business as Reedley Nursery, Reedley, Calif. Nectarine tree. 1,060, Jan. 1.

Boellner, Louis B., Roswell, N. Mex., assignor to Stark Bro's. Nurseries and Orchards Company, Louisiana, Mo. Walnut tree. 1,063, Jan. 1.

Brownell, Josephine D., Little Compton, R. I. Rose plant. 1,059, Jan. 1.

Domilla, Silvio, assignor to Twin Nurseries, San Lorenzo, Calif. Rose plant. 1,061, Jan. 1.

Duehrsen, Carl G., assignor to Howard & Smith, Montebello, Calif. Rose plant. 1,062, Jan. 1.

Howard & Smith, assignee: *See*—
Duehrsen, Carl G.

Johnson, Ruth S., Oklahoma City, Okla., assignor to Stark Bro's. Nurseries and Orchards Company, Louisiana, Mo. Plum tree. 1,064, Jan. 1.

Kim Brothers, assignee: *See*—
Anderson, Frederic W.

Reedley Nursery, assignee: *See*—
Anderson, Frederic W.

Stark Bro's. Nurseries and Orchards Company, assignee: *See*—
Boellner, Louis B.
Johnson, Ruth S.

LIST OF DESIGN PATENTEES

Banowetz, Michael W., assignee: *See*—
Harris, Olga D.

Bartolucci, Frank, Jr., New York, N. Y. Liquid dispenser. 165,568, Jan. 1.

Belgard, Austin B., Evanston, Ill. Spectacle front. 165,569, Jan. 1.

Brandenburger, Russell E., Sr., Shelbyville, Ind. Combined cabinet and couch. 165,571, Jan. 1.

Burgess, Donald V., Cut Bank, Mont. Ash tray. 165,572, Jan. 1.

Burne, Douglas, Dubois, Pa., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 165,570, Jan. 1.

Cabbage Patch Circle, assignee: *See*—
La Vielle, Marion N., and Heller.

Chase, Herbert S., New York, N. Y. Handbag. 165,573, Jan. 1.

Chrysler Corporation, assignee: *See*—
Keane, Henry J.
Reynolds, Frederick.

Cook-Waite Laboratories, Inc., assignee: *See*—
Lee, James W.

Corning Glass Works, assignee: *See*—
Goldman, Lee.

Dormeyer Corporation, assignee: *See*—
Morgan, Jack.

Fitzgerald, Colin: *See*—
Fryer, Joseph, and Fitzgerald.

Forman Family, Inc., assignee: *See*—
Forman, Sol, and Ramer.

Forman, Howard L., Belle Harbor, N. Y. Butter dish. 165,574, Jan. 1.

Forman, Sol, and L. Ramer, New York, assignors to Forman Family, Inc., Brooklyn, N. Y. Butter dish cover or similar article. 165,575, Jan. 1.

Fryer, Joseph, Vancouver, and C. Fitzgerald, West Vancouver, British Columbia, Canada. Wheeled balancing toy. 165,576, Jan. 1.

Fuld, Walter S., assignor to M. F. Paskes, New York, N. Y. Pouring attachment for containers. 165,577, Jan. 1.

Garay, Arnold, New York, N. Y., Belt. 165,578, Jan. 1.

Gerin Corporation, The, assignee: *See*—
Via, George B.

Goldman, Lee, New York, assignor to Corning Glass Works, Corning, N. Y. Dish stand or similar article. 165,579, Jan. 1.

Hamlin, Lewis W., Little Rock, Ark. Foundation ventilator grille. 165,580, Jan. 1.

Harris, Olga D., assignor of one-half to M. W. Banowetz, New Orleans, La. Trolling device. 165,581, Jan. 1.

Heller, Henrietta B.: *See*—
La Vielle, Marion N., and Heller.

Horning, Wesley L., Fort Collins, Colo. Citrus peeler or similar article. 165,582, Jan. 1.

Johnson, Benjamin H., Mason, and W. W. Welch, Jr., assignors to W. W. Welch, Cincinnati, Ohio. Twin window fan. 165,583, Jan. 1.

Johnson, Elster H., San Francisco, Calif. Table or similar article. 165,584, Jan. 1.

Kadison, David E., New York, N. Y. Handbag. 165,585, Jan. 1.

Katz, Adolph, Providence, R. I. Brooch or the like. 165,586, Jan. 1.

Kaufman, Samuel J., New York, N. Y. Clockcase. 165,587, Jan. 1.

Kaufman, Samuel J., New York, N. Y. Clockcase. 165,588, Jan. 1.

Keane, Henry J., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Automobile grille bar. 165,589, Jan. 1.

La Vielle, M. N., and H. B. Heller, assignors to Cabbage Patch Circle, Louisville, Ky. Doll. 165,590, Jan. 1.

Lee, James W., Westfield, N. J., assignor to Cook-Waite Laboratories, Inc., New York, N. Y. Hypodermic needle. 165,591, Jan. 1.

Levinger, Benjamin M., Millbrae, Calif., assignor to Schlage Lock Company. Display cabinet. 165,592, Jan. 1.

Longines-Wittnauer Watch Co., Inc., assignee: *See*—
Newhouse, Leon.

Low, Roy G., Minneapolis, Minn. Swing. 165,593, Jan. 1.

Macdonald, John G., Goderich, Ontario, Canada. Grader. 165,594, Jan. 1.

Miller, Cleta B., assignee: *See*—
Miller, Richard A.

Miller, J. H., assignee: *See*—
Miller, Richard A.

Miller, Richard A., assignor of one-half to J. H. Miller, and one-half to C. B. Miller, New Philadelphia, Ohio. Telephone call timer unit. 165,595, Jan. 1.

Morgan, Jack, assignor to Dormeyer Corporation, Chicago, Ill. Deep fat fryer. 165,596, Jan. 1.

Muscetra, Amerigo, New York, N. Y. Lipstick case. 165,597, Jan. 1.

Nelson, George B., Chicago, Ill. Device for transporting bedridden patients. 165,598, Jan. 1.

Newhouse, Leon, Brooklyn, assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y. Watch case or similar article. 165,599, Jan. 1.

Onondaga Pottery Company, assignee: *See*—
Bourne, Douglas.

Orloff, Jack, New York, N. Y. Blouse. 165,600, Jan. 1.

Orloff, Jack, New York, N. Y. Blouse. 165,601, Jan. 1.

Orloff, Jack, New York, N. Y. Blouse. 165,602, Jan. 1.

Orloff, Jack, New York, N. Y. Blouse. 165,603, Jan. 1.

Orloff, Jack, New York, N. Y. Blouse. 165,604, Jan. 1.

Page, Mark, East Orange, N. J. Toy stove or similar article. 165,605, Jan. 1.

Parisi, Charles T., Pawtucket, assignor to Parisi Tool Company, Providence, R. I. Bracelet or similar article. 165,606, Jan. 1.

Parisi Tool Company, assignee: *See*—
Parisi, Charles T.

Paskes, Marks F., assignee: *See*—
Fuld, Walter S.

Personal Products Corporation, assignee: *See*—
West, William.

Ramer, Leonard: *See*—
Forman, Sol, and Ramer.

Rand, Alfred, White Plains, N. Y. Handbag frame. 165,607, Jan. 1.

Regina Corporation, The, assignee: *See*—
Verhagen, Edward L.

Reliance Molded Plastics, Inc., assignee: *See*—
Sofro, Louis J.

Reynolds, Frederick, Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Automobile grille bar. 165,608, Jan. 1.

Sablotny, William, Decatur, Ill. Electric lamp with double-faced mirror frame. 165,609, Jan. 1.

Sandberg, Harry O., Boston, Mass. Food washing and storing container or similar article. 165,610, Jan. 1.

Schlage Lock Company, assignee: *See*—
Levinger, Benjamin M.

Schwartz, Herman, Long Island City, N. Y. Sandwich toaster. 165,611, Jan. 1.

Shuman, Norman, Brooklyn, N. Y. Pin. 165,612, Jan. 1.

Smith, John W., Killbuck, Ohio. Clock casing or similar article. 165,613, Jan. 1.

Sofro, Louis J., assignor to Reliance Molded Plastics, Inc., Pawtucket, R. I. Toy whistle. 165,614, Jan. 1.

Tammen, Glenn W., Park Ridge, Ill., assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Tower scale front panel. 165,615, Jan. 1.

U. S. Slicing Machine Company, Inc., assignee: *See*—
Tammen, Glenn W.

Van Tuyl, Gertrude, San Antonio, Tex. Animal toy figure. 165,616, Jan. 1.

Verhagen, Edward L., assignor to The Regina Corporation, Rahway, N. J. Floor polishing machine. 165,617, Jan. 1.

Verhagen, Edward L., assignor to The Regina Corporation, Rahway, N. J. Floor polishing machine. 165,618, Jan. 1.

Verhagen, Edward L., assignor to The Regina Corporation, Rahway, N. J. Floor polishing machine. 165,619, Jan. 1.

Via, George B., assignor to The Gerin Corporation, Red Bank, N. J. Centrifuge spider. 165,620, Jan. 1.

Welch, William W., assignee: *See*—
Johnson, Benjamin H., and Welch.

West, William, Montreal, Quebec, Canada, assignor to Personal Products Corporation. Belt fastener. 165,621, Jan. 1.

Witmer, Florence C., New York, N. Y. Bracelet. 165,622, Jan. 1.

Witmer, Florence C., New York, N. Y. Ring. 165,623, Jan. 1.

Witmer, Florence C., New York, N. Y. Necklace. 165,624, Jan. 1.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1st DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. Svenska Fläktfabriken, assignee: *See*—
Broberg, Georg K. J.

Abbott Laboratories, assignee: *See*—
Fields, Mack R.
Ryan, George R., and McGrew.
Schubert, Maxwell.

Abeel, Alan C., Jr., Roselle, and H. J. Hibshman, Plainfield, N. J., assignors to Standard Oil Development Company. Desulfurizing hydrocarbons with a mixture of ferric and chromic oxides. 2,581,061, Jan. 1.

Ace Carton Corporation, assignee: *See*—
Casler, Roger H.

Achenbach, John C., Haddonfield, N. J., assignor to Radio Corporation of America. Tunable band pass amplifier for television. 2,581,159, Jan. 1.

Ackerlind, Erik, Santa Monica, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Electrooptical pulse generator. 2,580,498, Jan. 1.

Acrotorque Company, The, assignee: *See*—
Orshansky, Elias, Jr., Southack, and Kahn.

Adams, George P., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Runout detector for filament handling apparatus. 2,580,387, Jan. 1.

Adams, Harold B., Mission, Kans., and M. C. Peters, Salt Lake City, Utah. Variable volume pump. 2,581,160, Jan. 1.

Adams, John M., Atlanta, Ga. Cigarette lighter. 2,580,499, Jan. 1.

Affiliated Gas Equipment, Inc., assignee: *See*—
Buck, Robert M.

Agriculture, United States of America as represented by the Secretary of, asignee: *See*—
Babcock, Glen E., Johnsen, and Smith.
Ward, Kyle, Jr., Conrad, and Segal.

Air Reduction Company, Incorporated, assignee: *See*—
Anderson, James L.
Slottman, George V.

Aktiebolaget Centrallaboratorium, Helsinki, assignee: *See*—
Smedslund, Tor H.

Aktiebolaget Elektrolux, assignee: *See*—
Kögel, Wilhelm G.
Widell, Nils E.

Aladdin Industries, Incorporated, assignee: *See*—
De Tar, Donald R.

Albert, Paul Mell., Ann Arbor, Mich. Device for determining turbidity within a body of liquid. 2,580,500, Jan. 1.

Alden, Blair S.: *See*—
Turner, Virgil A., Alden, and Alden.

Alden, Frank S.: *See*—
Turner, Virgil A., Alden, and Alden.

Alderson, Samuel W., New York, N. Y. Electrically operated artificial arm for above-the-elbow amputees. 2,580,987, Jan. 1.

Alexander, Warren A., Tulsa, Okla., assignor to Standard Oil Development Company. Geophone. 2,581,063, Jan. 1.

Allen, Adda M., Arlington, Va. Bib structure. 2,580,388, Jan. 1.

Allen, Albert E., assignor to Utica Cutlery Company, Utica, N. Y. Handle structure. 2,581,062, Jan. 1.

Allied Chemical & Dye Corporation, assignee: *See*—
Pletrusza, Edward W.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Kuemmerlein, Edward M.
Neenan, John L.
Strehlow, Walter F.
Strehlow, Walter F., O'Harrow, and Park.

Aluminium Laboratories Limited, assignee: *See*—
Phillips, Norman W. F.

American Cyanamid Company, assignee: *See*—
Erickson, John G., and Thomas.
Landes, Chester G., and Studeny.
Schaefer, Frederic C., and Drechsel.

American Gas Association, Incorporated, assignee: *See*—
Hall, Edwin L.

American Optical Company, assignee: *See*—
Bernheim, Daniel P., and Silverberg.
Noelle, Conrad J.
Schauweker, George H.
Thorburn, Milton R.

American Specialty Company, The, assignee: *See*—
Griswold, Donald W., and Ricket.

American Steel Foundries, assignee: *See*—
Greenawalt, Elmer J.

American Steel and Wire Company of New Jersey, The, assignee: *See*—
Cope, Harold.
Leonard, William E.

American Viscose Corporation, assignee: *See*—
MacHenry, Richard, and Martin.
McDermott, Henry J.

Anderson, Bryan, assignor of one-half to M. L. Parcells, Columbus, Mont. Flexible and expansible tire chain applier. 2,581,225, Jan. 1.

Anderson, Earl I., Manhasset, N. Y., assignor to Radio Corporation of America. Antenna filter. 2,580,389, Jan. 1.

Anderson, Edwin E.: *See*—
Anderson, Frank P., E. E., and R. L.

Anderson, Frank P., E. E., and R. L., Spokane, Wash. Freight loading and unloading truck. 2,580,501, Jan. 1.

Anderson, Homer G., Newtonville, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,580,988, Jan. 1.

Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated. Method and apparatus for welding the longitudinal seams of barrel blanks and the like. 2,580,502, Jan. 1.

Anderson, Myrtle M., Minneapolis, Minn. Compartment frying pan. 2,581,161, Jan. 1.

Anderson, Raymond L.: *See*—
Anderson, Frank P., E. E., and R. L.

Andrew, Carl L., assignor of one-half to E. B. Smith, Greenville, S. C. Accounting device. 2,580,390, Jan. 1.

Apex Electrical Manufacturing Co., The: *See*—
Kirby, James B.

Archibald, Francis M., Elizabeth, N. J., assignor to Standard Oil Development Company. Treating oil with sulfur trioxide. 2,581,064, Jan. 1.

Archie, Bennie L., Jr., Los Angeles, Calif. Combination bathtub and washtub. 2,580,638, Jan. 1.

Arms, Merton H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Grinding lobed forms. 2,580,989, Jan. 1.

Armstrong Siddeley Motors Limited, assignee: *See*—
Clark, Thomas, and Harvey.

Army, United States of America as represented by the Secretary of the, assignee: *See*—
Ellis, Grenville B.

Arnold, Clifford H., Chicago, Ill. Work rest blade. 2,581,226, Jan. 1.

Arnold, Walter A., Songeigerong, Palembang, Sumatra, Netherlnd East Indies, assignor to Standard Oil Development Company. Purifying isobutylene by sulfuric acid extraction. 2,581,065, Jan. 1.

Arrieta, Casimiro del T., Buenos Aires, Argentina. Hypodermic syringe. 2,581,162, Jan. 1.

Arvin Industries, Inc., assignee: *See*—
Lndlow, Edmund.

Arvin, James A., Homewood, and W. B. Gitchel, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Copolymer of styrene and rosin and esters thereof with the alcoholysis product of a drying oil and a polyhydric alcohol containing free hydroxyl groups. 2,580,876, Jan. 1.

Ascoli, Enzo, Yverdon, Switzerland, assignor to Paillard S. A., Sainte-Croix. Device for actuating riders of tabulators for typewriters. 2,581,227, Jan. 1.

Ashton, Howard W., South Ardmore, Pa., assignor to O. W. Storey, trustee for the partnership of O. W. Storey & Associates, Chicago, Ill. Electrometer transducer with dual mode of operation. 2,581,066, Jan. 1.

Associated Drug Industries, Inc., assignee: *See*—
Rausch, Roy R.

Athy, Clifford R., and C. R. Konkle, assignors to International Derrick & Equipment Company, Columbus, Ohio. Sectional frame structure. 2,580,503, Jan. 1.

Atlanta Textile Machinery Company, assignee: *See*—
Day, Hugh I. and I. L.

Auburn Spark Plug Co., Incorporated, assignee: *See*—
Battey, Alexander J.

Austin Motor Company, Limited, The, assignee: *See*—
Bishop, John L. H.
Lord, Leonard P.

Autogiro Company of America, assignee: *See*—
Campbell, Harris S.

Automatic Electric Laboratories, Inc., assignee: *See*—
Ostline, John E.
Wicks, John.

Automatic Totalisators Limited, assignee: *See*—
Julius, Awdry F. and G. A.

Automatic Washer Company, assignee: *See*—
Breckenridge, Frank.

Avery, Fred J., La Grange, assignor to Materials Transportation Company, Chicago, Ill. Multiple level dump structure. 2,581,067, Jan. 1.

Babcock, Glen E., V. L. Johnson, and A. K. Smith, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Fiberboard construction. 2,580,391, Jan. 1.

Baber, William W., Albermarle County, Va. Radiator. 2,580,715, Jan. 1.

Bachman, Gustave B., West Lafayette, Ind., and L. L. Lewis, Sanborn, N. Y., assignors to The Purdue Research Foundation, West Lafayette, Ind. Halogenated trifluoromethylstyrene materials and making same. 2,580,504, Jan. 1.

Bade, Alfred G., assignor to The Falk Corporation, Milwaukee, Wis. Variable-speed transmission. 2,580,392, Jan. 1.

Bailey, Eric: *See*—
Gross, Leonard, and Bailey.

Bailey, Grant C., and J. A. Reid, Bartlesville, Okla., assignors to Phillips Petroleum Company. SiO_2—Al_2O_3—NiO catalyst and its preparation. 2,581,228, Jan. 1.

Bailey, Richard W., assignor to M. M. Harding, Los Angeles, Calif. Interleaving apparatus. 2,580,379, Jan. 1.

Baker, Bill P., San Diego, assignor to Superior Plastics, Inc., El Segundo, Calif. Puncturing holder for gas cartridge. 2,580,639, Jan. 1.

Baker Castor Oil Company, The, assignee: *See*—
Patton, Temple C., and Jubanowsky.

Balamuth, Lewis, New York, N. Y. Removing material from a solid body. 2,580,716, Jan. 1.

Baldwin Company, The, assignee: *See*—
Knoblaugh, Armand F.

Baldwin Instrument Company Limited, assignee: *See*—
Love, Angus, and Sik.

Ballou, Richard P., Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J. Mechanical measuring device. 2,580,717, Jan. 1.

Balma, Aldo, assignor to Balma, Capoduri & C., Voghera, Italy. Stapling machine. 2,580,505, Jan. 1.

Balma, Capoduri & C., assignee: *See*
Balma, Aldo.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Hydraulic valve tappet. 2,580,380, Jan. 1.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Driving and steering mechanism. 2,580,381, Jan. 1.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Hydraulic tappet. 2,580,382, Jan. 1.

Banks, William H., and P. B. Upton, assignors to The Printing and Allied Trades Research Association, London, England. Producing electroforms. 2,580,718, Jan. 1.

Bannister, Bryant, Pittsburgh, Pa. Fishing reel. 2,580,990, Jan. 1.

Barganz, Walter A.: *See*—
Buchholz, Arnold R., and Barganz.

Barnard, William F., Oak Park, Ill. Hanger arrangement for supplemental windows. 2,580,877, Jan. 1.

Barrett, Leon, Philadelphia, Pa., assignor to Quick-Change Carriers, Inc. Guide tube. 2,580,991, Jan. 1.

Barrett, Robert W.: *See*
Otto, Ferdinand P., and Barrett.

Barsby, Edward S., and A. P. Saunders, assignors to Wildt and Company Limited, Leicester, England. Knitted fabric and making the same. 2,580,506, Jan. 1.

Bartch, James C., Flat River, and G. W. Couch, Rivermines, Mo. Sprout destroyer. 2,580,640, Jan. 1.

Bartleson, John D.: *See*—
Hughes, Everett C., and Bartleson.

Bartlett, Carl T., Muncie, Ind. Portable enclosure. 2,581,318, Jan. 1.

Bartlett, Lawrence D., Hartford, Ky. Twine dispenser. 2,580,878, Jan. 1.

Barton, Frederic D., San Francisco, Calif. Stop-leak preparation. 2,580,719, Jan. 1.

Bashford, Charles A.: *See*—
Mundy, Paul A., and Bashford.

Bashford Machine Company, assignee: *See*—
Murdy, Paul A., and Bashford.

Bass, John, New York, N. Y. Combination camera and developer. 2,580,720, Jan. 1.

Bassett, H. Y., assignee: *See*—
Carlson, Emil.

Bata, narodni podnik, assignee: *See*—
Kruzik, Arnošt.
Václavík, Jaroslav.

Bates, John R., Swarthmore, Pa., and G. R. Bond, Jr., Paulsboro, N. J., assignors to Houdry Process Corporation, Wilmington, Del. Preparing a silica-zirconium oxide catalyst for the conversion of hydrocarbons. 2,580,641, Jan. 1.

Battey, Alexander J., Skaneateles, assignor to Auburn Spark Plug Co., Incorporated, Auburn, N. Y. High-temperature quick action thermocouple. 2,581,229, Jan. 1.

Baxter Brothers & Company Limited, assignee: *See*—
Garnett, James C.

Baxter, Thomas R., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Colostomy device. 2,581,319, Jan. 1.

Beach, Leland K., Mountainside, N. J., assignor to Standard Oil Development Company. Oxidation of dicyclic hydrocarbons. 2,581,068, Jan. 1.

Beacom, Robert: *See*—
Drissner, Alfred E., and Beacom.

Beaman, Ralph G., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acrylonitrile polymer compositions. 2,580,393, Jan. 1.

Beccard, Eldon H., Nebraska City, Nebr. Power shaft attachment for tractors. 2,580,721, Jan. 1.

Bechter, Lyle W., South Gate, assignor to Rheem Manufacturing Company, San Francisco, Calif. Flux dam for galvanizing kettles. 2,580,394, Jan. 1.

Beede, Arnold H., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Container ejecting suction cleaner. 2,580,642, Jan. 1.

Bee-Line Company, assignee: *See*—
Jacobsen, Le Roy V., and Gosline.

Beger, Richard E.: *See*—
Bonanno, Joseph L., and Beger.

Belden, Donald H., Berwyn, assignor to Universal Oil Products Company, Chicago, Ill. Distillation tower. 2,580,646, Jan. 1.

Bell, Richmond T., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Promoting cracking reactions of hydrocarbons by the addition of organic peroxides. 2,581,163, Jan. 1.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Germanton, Charles E.
Glazer, Allan, Stryker, and Hopkins.
Goff, Harold W.
Graham, Robert E.
Kock, Winston E.
Lovell, Clarence A., and Parkinson.
Lum, George R.
Mathes, Robert C.
Oliver, Bernard M.
Skellett, Albert M.
Smith, Howard J.
Young, Clarence H.

Bellizzi, John A., U. S. Navy. Torque dynamometer. 2,580,395, Jan. 1.

Belokin, Paul, Jr., Chicago, Ill. Collapsible bucket. 2,580,879, Jan. 1.

Bendix Aviation Corporation, assignee: *See*—
Fillebrown, William C.
Jandasek, Vladimir J.
Mock, Frank C.
Nardone, Romeo M.
Ross, Frederick W.

Benrus Watch Company, Inc., assignee: *See*—
Marchand, Adamir.

Bentley, Clarence H., Los Angeles, Calif., assignor of ten per cent to R. E. Bletcher, twelve and one-half per cent to E. H. Bucknell, twelve and one-half per cent to M. Bucknell, ten per cent to P. W. Bletcher, twenty-five per cent to M. B. Liston, ten per cent to J. H. Bletcher, ten per cent to H. B. Skinner, and ten per cent to C. R. B. Robertson (also known as Mrs. F. K. Robertson). Shower head. 2,580,722, Jan. 1.

Benveniste, Jacob: *See*—
Jensen, Garold K., and Benveniste.

Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuous vulcanizing method and apparatus. 2,581,230, Jan. 1.

Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuous vulcanizing method and apparatus. 2,581,231, Jan. 1.

Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuous vulcanizing method and apparatus. 2,581,232, Jan. 1.

Bernheim, Daniel P., Southbridge, and C. G. Silverberg, Sturbridge, assignors to American Optical Company, Southbridge, Mass. Lens blocking device. 2,580,507, Jan. 1.

Bertein, François: *See*—
Grivet, Pierre, and Bertein.

Bertolet, Elmer C., Jr., Manheim, Pa., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Apparatus for producing airlaid fibrous webs. 2,581,069, Jan. 1.

Best Manufacturing Company, Inc., assignee: *See*—
Schiel, Wilhelm, and Zacher.

Bettoni, Eugene C.: *See*—
Colvin, Clifford, and Bettoni.

Bielawski, Mitchell S., assignor to Universal Oil Products Company, Chicago, Ill. Preparation of a phosphoric acid-carbon catalyst. 2,580,647, Jan. 1.

Bierman, Carroll M., assignee: *See*—
Wagner, Frank J.

Biery, Galen A., assignor, by mesne assignments, to Pacific Laboratories, Inc., Bellingham, Wash. Bone extractor. 2,580,992, Jan. 1.

Bird, Paul G., and A. L. Jacoby, Western Springs, and R. W. Kell, Oak Park, assignors to National Aluminate Corporation, Chicago, Ill. Prevention of foaming in steam generation. 2,580,880, Jan. 1.

Birdwell, Gus O., Perryton, Tex. Bearing assembly. 2,580,508, Jan. 1.

Birnbaum, Arnold, Irvington, assignor to The M. W. Kellogg Co., Jersey City, N. J. Thermal time delay device for jettisonable propulsion motors. 2,581,164, Jan. 1.

Bishop, Homer L., Dayton, Ohio. Preliminary finishing machine. 2,580,723, Jan. 1.

Bishop, John L. H., assignor to The Austin Motor Company, Limited, Northfield, Birmingham, England. Cam for operating valves of internal-combustion engines. 2,581,233, Jan. 1.

Biswell, Charles B., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized petroleum products and stabilizing compositions. 2,580,881, Jan. 1.

Blackstone, Wilbert S.: *See*—
Ropp, Irwin, and Blackstone.

Blair, Mark L., Flossmoor, and D. P. Eastman, assignors to United Specialties Company, Chicago, Ill. Air cleaner. 2,580,648, Jan. 1.

Bletcher, James H., assignee: *See*—
Bentley, Clarence H.

Bletcher, Pearl W., assignee: *See*—
Bentley, Clarence H.

Bletcher, Ralph E., assignee: *See*—
Bentley, Clarence H.

Bloch, Monroe P., executor: *See*—
Harris, Frederic R.

Blohm, Oscar A., Des Plaines, assignor to Chicago Lock Company, Chicago, Ill. Cylinder lock. 2,580,882, Jan. 1.

Blood, Robert H., Tulsa, Okla., assignor to Standard Oil Development Company. Formation tester. 2,581,070, Jan. 1.

Bloom, Allen, Forest Hills, assignor to Western, Inc., New York, N. Y. Door wicket. 2,581,234, Jan. 1.

Bludeau, Robert E., Denville, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Liquefied gas discharge pump. 2,580,649, Jan. 1.

Bluth, Ludwig S., Los Angeles, Calif. Retaining ring. 2,580,396, Jan. 1.

Bocji Corporation, assignee: *See*—
Lang, Joseph C.

Boeing Airplane Company, assignee: *See*—
McFadden, Harry M.

Bogenschutz, Frank A., assignee: *See*—
Bogenschutz, Thomas M.

Bogenschutz, Harry J., assignee: *See*—
Bogenschutz, Thomas M.

Bogenschutz, Oliver C., assignee: *See*—
Bogenschutz, Thomas M.

Bogenschutz, Thomas M., assignor of twenty-five per cent to F. A. Bogenschutz, Clayton, twenty-five per cent to H. J. Bogenschutz, Rosiere, and twenty-five per cent to O. C. Bogenschutz, Clayton, N. Y. Machine for decapping honeycombs. 2,580,397, Jan. 1.

Bolton, John W., & Sons, Inc., assignee: *See*—
Prevost, Bruno E.

Bond, George R., Jr.: *See*—
Bates, John R., and Bond.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Variable tuning device. 2,581,165, Jan. 1.

Bonanno, Joseph L., Madison, and R. E. Beger, Jersey City, N. J., assignors to The Lionel Corporation, New York, N. Y. Electric motor reversing means. 2,581,166, Jan. 1.

Bone Tool & Gauge Company, assignee: *See*—
Roberts, William C.

Booker, Henry G.: *See*—
Smith, Charles H., Booker, and Woodward.

Boonton Molding Company, assignee: *See*—
Sayre, Gordon B., and Winz.

Borden Company, The, assignee: *See*—
Clark, Laurence E., Jr.

Borkland, Gustave W., Marion, Ind. Apparatus for heating and pressing thermoplastic sheet material. 2,580,883, Jan. 1.

Born, Paul L., Wilmette, Ill. Shutoff valve. 2,581,071, Jan. 1.

Borngraeber, Royce R., assignor to John Deere Van Brunt Company, Horicon, Wis. Cover stop rod. 2,580,650, Jan. 1.

Bosquet, John, New York, N. Y. Line ruling attachment for typewriters. 2,581,167, Jan. 1.

Bowen & Company, Inc., assignee: *See*—
Welsh, William W.

Bower, Byron F.: *See*—
Rossman, Edward J., and Bower.

Bowman, Albert H., Los Angeles, Calif. Drill sharpening apparatus. 2,580,884, Jan. 1.

Boyd, David M., Jr., Clarendon Hills, assignor to Universal Oil Products Company, Chicago, Ill. Fractionation control. 2,580,651, Jan. 1.

Brack, Joseph L., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Vehicle bed locking arrangement. 2,580,509, Jan. 1.

Brady, Edward F., Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver, Colo. Core taking apparatus. 2,580,510, Jan. 1.

Bramfitt, Thomas A., Watervliet, and E. C. Pfeffer, Jr., assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Sewing machine and sewing. 2,580,724, Jan. 1.

Bramley, Arthur, Long Branch, N. J. Throttling process and device. 2,581,168, Jan. 1.

Branchu, Paul J., Paris, assignor to Etablissements Merlin & Gerin-Société Anonyme, Grenoble, France. Release mechanism. 2,580,511, Jan. 1.

Brandt Automatic Cashier Company, assignee: *See*—
Buchholz, Arnold R., and Barganz.

Braswell, Roy A., Alderson, Okla. Drill press. 2,580,398, Jan. 1.

Bratland, Gustave C.: *See*—
Johnson, Charley E., and Bratland.

Breckenridge, Frank, assignor to Automatic Washer Company, Newton, Iowa. Appliance handle joint. 2,580,725, Jan. 1.

Brennan, Joseph B., Cleveland, Ohio. Electrode and electrolytic condenser. 2,580,399, Jan. 1.

Brennan, Joseph B., Bratenahl, Ohio. Bonding steel to silver. 2,580,652, Jan. 1.

Brewer, Charlos W., Fort Worth, Tex. Bun forming machine. 2,580,726, Jan. 1.

Březek, Rudolf, Prague-Smichov, assignor to Tatra narodni podnik, Koprivnice, Czechoslovakia. Rear fender accommodation of radiator for rear engine vehicles. 2,581,072, Jan. 1.

Bridgeman, Walter A., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Composition for killing weeds. 2,580,653, Jan. 1.

Briggs Manufacturing Company, assignee: *See*—
Lyijynen, Fred.
Vigmostad, Trygve.

Briggs & Stratton Corporation, assignee: *See*—
Jacobi, Edward N.

Bright, Donald C.: *See*—
Murray, Peter R., and Bright.

British Telecommunications Research Limited, assignee: *See*—
Walmsley, Thomas, and Leigh.

Broadbent, John H., Washington, D. C., and H. R. Mitchell, Takoma Park, Md., assignors to United States of America as represented by the Secretary of the Navy. Altimeter control of servo system. 2,580,512, Jan. 1.

Broberg, Georg K. J., Solna, assignor to A. B. Svenska Fläktfabriken, Stockholm, Sweden. Arrangement for locking and unlocking a pulling member in different positions. 2,581,235, Jan. 1.

Brodkey, Clara, San Francisco, Calif., assignor of forty per cent to W. V. Vogal, Chicago, Ill., twenty per cent to H. R. Brodkey, and twenty per cent to R. S. Brodkey, San Francisco, Calif. Garment holder. 2,580,885, Jan. 1.

Bradkey, Harold R.: *See*—
Brodkey, Clara.

Brodkey, Robert S., assignee: *See*—
Brodkey, Clara.

Broudy, Albert M., Pittsburgh, Pa. Envelope. 2,580,886, Jan. 1.

Broussard, Robert, assignor, by mesne assignments, to W. P. MacCracken, Jr., Washington, D. C., as trustee. Parking meter and coin slot therefor. 2,580,400, Jan. 1.

Broussard, Robert, assignor, by mesne assignments, to W. P. MacCracken, Jr., Washington, D. C., as trustee. Parking meter collection receptacle. 2,580,401, Jan. 1.

Brower, Paul G., Toppenish, Wash. Apron control for earth moving apparatus of the carry type. 2,581,073, Jan. 1.

Brown, Albert M., assignor to G. Stibbe Co. Limited, Leicester, England. Yarn trapping and severing means for circular knitting machines. 2,580,513, Jan. 1.

Brown, Robert B., assignor to T. R. Mantes, doing business as T. R. Mantes Co., San Francisco, Calif. Weighing machine. 2,580,993, Jan. 1.

Brown and Sharpe Manufacturing Company, assignee: *See*—
Levesque, George N.

Browning, George V., Schenectady, N. Y., assignor to Standard Oil Company, Chicago, Ill. Grease dispersion. 2,580,654, Jan. 1.

Bruske, Walter J., Fall Creek, Wis. Cover catching and holding attachment for can openers. 2,580,887, Jan. 1.

Bryan, Mose A., Oklahoma City, Okla. Drill stem wiper. 2,580,727, Jan. 1.

Bryant Chucking Grinder Company, assignee: *See*—
Arms, Merton H.
Cornell, Elton S.

Buchholz, Arnold R., and W. A. Barganz, assignors to Brandt Automatic Cashier Company, Watertown, Wis. Feed control for counting machines. 2,581,074, Jan. 1.

Buck, Robert M., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Gas burner including combustion tunnel. 2,581,075, Jan. 1.

Bucknell, Ernest H., assignee: *See*—
Bentley, Clarence H.

Bucknell, Mabel, assignee: *See*—
Bentley, Clarence H.

Budzyna, Walter J., East Douglas, Mass., and M. R. Flamand, Central Falls, R. I., assignors to Draper Corporation, Hopedale, Mass. Mechanism for weaving. 2,580,994, Jan. 1.

Bugg, Kenly C., Fort Wayne, Ind. Tobacco pipe. 2,581,169, Jan. 1.

Burgess-Manning Company, assignee: *See*— Chipley, Alfred S.

Burkett, James C., Washington, D. C. Walking aid. 2,580,888, Jan. 1.

Burns, Raymond W., and L. Quick, Poughkeepsie, N. Y., assignors to J. L. Taylor Manufacturing Company. Radiator for gluing machines. 2,580,728, Jan. 1.

Burtner, Robert R., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Derivatives of hydroxycycloalkylalkylbenzoylaliphatic acids and producing same. 2,580,402, Jan. 1.

Burton, Edward F., West Los Angeles, and C. S. Glasgow, Jr., Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Multiengine contrarotating propeller drive transmission. 2,581,320, Jan. 1.

Burton, William P., Orange, H. G. McGrath, Elizabeth, and L. C. Rubin, West Caldwell, assignors to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic acids from alcohols. 2,580,403, Jan. 1.

Bush, A. G., assignee: *See*— Criner, Harry J.

Bush, Burl H., United States Navy, San Francisco, Calif. Method and apparatus for controlling humidity. 2,580,404, Jan. 1.

Bush, J. E., assignee: *See*— Kitchell, Eden T.

Butler, Clyde G., deceased, by D. F. Butler, administratrix, Madeira, assignor to P. J. Schneider, Cincinnati, Ohio, as trustee. Bottle carrier. 2,580,995, Jan. 1.

Butler, Della F., administratrix: *See*— Butler, Clyde G.

Butler, John M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Wax compositions. 2,580,996, Jan. 1.

Byers, Donald J., Washington, D. C. Tethered flying model and object releasing mechanism. 2,580,405, Jan. 1.

Cain, Basil S.: *See*— Pagenkemper, Arthur H., and Cain.

Calton, Robert G., Nashville, Tenn. Apparatus for porcelain enameling sheet metal. 2,580,406, Jan. 1.

Camp, Thomas P., Arlington Heights, assignor to United States Gypsum Company, Chicago, Ill. Decorated wallboard and making the same. 2,581,076, Jan. 1.

Campbell, Harris S., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative winged aircraft. 2,580,514, Jan. 1.

Campbell, William H., assignee: *See*— Lytle, Orville C.

Canham, George E.: *See*— Pfleger, Fred W., and Canham.

Carborundum Company, The, assignee: *See*— Wallace, Water L., and Roble.

Cardinale, Salvatore, Freeport, N. Y. Pole supported fruit gatherer. 2,581,236, Jan. 1.

Carlson, August, Kansas City, Mo. Refrigerated bottle vending apparatus. 2,581,170, Jan. 1.

Carlson, Emil, assignor to H. Y. Bassett, O. D. Marcks, and V. D. Hanna, Detroit, Mich. Extensible antenna construction. 2,580,889, Jan. 1.

Carlson, Emil, assignor, by mesne assignments, to H. Y. Bassett, O. D. Marcks, and V. D. Hanna, Detroit, Mich. Driving mechanism for extensible antennas and the like. 2,581,171, Jan. 1.

Carroll, Fred M., Binghamton, and A. F. Smith, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Alphabet, digit, and address printing device. 2,580,729, Jan. 1.

Carroll, Thomas E., New York, N. Y. Electrical adapter unit. 2,580,515, Jan. 1.

Carson, Robert H., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Vane type hydraulic transmission. 2,581,172, Jan. 1.

Casler, Roger H., Oakville, Conn., assignor, by mesne assignments, of one-half to Ex-Cell-O Corporation, Detroit, Mich., and one-half to a group comprising Ace C. Fessender and Ace Carton Corporation, Chicago, Ill. Dispensing container. 2,581,237, Jan. 1.

Caterpillar Tractor Co., assignee: *See*— Richardson, Dale L.

Cathodeon Limited, Engineers, assignee: *See*— Corfield, Albert H., and Chapman.

Cauley, Stephen P., Garden City, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Vaporizing vertical pot type oil burner. 2,581,238, Jan. 1.

Celanese Corporation of America, assignee: *See*— Dice, Henry K., Jeffries, and Hull. Kimpton, William H.

Chain Belt Company, assignee: *See*— Jewett, Maurice G., and Sivyer.

Chapin, Earl C., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized copolymers of acrylonitrile and styrene. 2,580,997, Jan. 1.

Chapman, Edward E.: *See*— Corfield, Albert H., and Chapman.

Chapplow, William L., Honiton, England, assignor to M. E. Hood, Cincinnati, Ohio. Beer dispensing apparatus with means for carbonating said beer with a mixture of CO_2 and air in definite ratio. 2,580,516, Jan. 1.

Chicago Lock Company, assignee: *See*— Blohm, Oscar A.

Chicago White Metal Products, Inc., assignee: *See*— Gordon, Alred L.

Chiksan Company, assignee: *See*— Warren, Doyle C.

Chipley, Alfred S., Mundelein, assignor to Burgess-Manning Company, Libertyville, Ill. Inertial air cleaner and silencer. 2,580,655, Jan. 1.

Chisholm-Ryder Company, Incorporated, assignee: *See*— Carson, Robert H.

Chrysler Corporation, assignee: *See*— Herreshoff, Alexander G. Newton, Alwin B. Rakas, Nicholas J. Terry, Sydney L. Wallace, David A.

Church, James M., Tenafly, and E. W. Johnson, Mountainside, N. J., assignors to Metal & Thermit Corporation, New York, N. Y. Stabilized chlorinated paraffins. 2,580,730, Jan. 1.

Ciba Limited, assignee: *See*— Gorssmann, Paul.

Clark Equipment Company, assignee: *See*— Spatta, George.

Clark, James, Dayton, Ohio. Pressure operated resistor. 2,580,407, Jan. 1.

Clark, Laurence E., Jr., Bainbridge, assignor to The Borden Company, New York, N. Y. Phenol formaldehyderye flour-sodium hydrosulfite containing adhesive composition. 2,580,890, Jan. 1.

Clark, Thomas, and H. E. Harvey, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Hydraulic torque meter. 2,581,239, Jan. 1.

Clauss, Robert W., New York, N. Y. Pinticket manufacturing and attaching machine. 2,580,408, Jan. 1.

Clerk, Robert C., Richmond, England. Planetary change-speed gear. 2,580,656, Jan. 1.

Clerk, Robert C., Richmond, England. Planetary change-speed gear. 2,580,891, Jan. 1.

Clifford, Bess S., executrix: *See*— Clifford, Walter B.

Clifford, Walter B., deceased; B. S. Clifford, Boston, and A. C. Post, Wayland, Mass., executrices. Liquid cooling pump and fan. 2,580,517, Jan. 1.

Cluett, Peabody & Co., Inc., assignee: *See*— Bramfitt, Thomas A., and Pfeffer.

Coast Wire Company, assignee: *See*— Schulze, Kurt E.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Pilot-controlled distributing valve for fluid-operated motors. 2,580,657, Jan. 1.

Coby, George, Attleboro, Mass., assignor to United Products Co., Inc. Forming the bottoms of glass ampoules or bottles or the like. 2,580,658, Jan. 1.

Cochin, John D., San Francisco, Calif. Control valve for automobile lifts. 2,580,731, Jan. 1.

Cocker Machine and Foundry Company, assignee: *See*— Rea, Thomas K.

Cohen, Arthur M., New York, N. Y. Finger type circuit regulator. 2,580,732, Jan. 1.

Colgrove, Robert D., Los Angeles, Calif. Can opener. 2,580,998, Jan. 1.

Collins, Findley A., assignee: *See*— Muri, Homer T.

Colonial Broach Company, assignee: *See*— Welte, Benedict.

Colonial Insulator Company, The, assignee: *See*— Ganz, Rudolph V.

Columbia Baking Company, assignee: *See*— Hexter, Joseph, and Lanham.

Colvin, Clifford, Detroit, and E. C. Bettoni, Bloomfield Hills, assignors to Holley Carburetor Company, Detroit, Mich. Spring support for ignition circuit breakers. 2,581,077, Jan. 1.

Combustion Engineering-Superheater, Inc., assignee: *See*— Hochmuth, Frank W. Meissner, Harold G., and Jackson.

Commercial Controls Corporation, assignee: *See*— Gottschau, Christian M.

Commonwealth Engineering Company of Ohio, The, assignee: *See*— Toulmin, Harry A., Jr.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*— Danzin, André. Grivet, Pierre, and Bertein.

Conrad, Carl M.: *See*— Ward, Kyle, Jr., Conrad, and Segal.

Conrad, Joshua C., deceased, Oklahoma City, Okla.; C. J. Watts, executor. Mud pressure gauge. 2,580,999, Jan. 1.

Container Corporation of America, assignee: *See*— Hunsworth, Melvin T.

Conti, Giampietro, assignor to Siemens Societa per Azioni, Milan, Italy. Söderberg electrode suspension. 2,580,518, Jan. 1.

Cope, Harold, University Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Stock line wearing element. 2,580,519, Jan. 1.

Copeland, Jacob C., Chicago, Ill. Magnifying reflection viewer for stereoscopic pictures. 2,581,000, Jan. 1.

Copeland, Llewellyn E.: *See*— Mooney, Melvin, and Copeland.

Corbett, Thomas H., Chicago, Ill. Booster water heater. 2,580,659, Jan. 1.

Corfield, Albert H., Sidcup, and E. E. Chapman, Deptford, assignors, by mesne assignments, to Cathodeon Limited, Engineers, Cambridge, England. Safety device for aircraft. 2,581,078, Jan. 1.

Cornell, Elton S., Charlestown, N. H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Taper gauge. 2,581,001, Jan. 1.

Cornish, Robert E., Berkeley, Calif. Treating tidal lands subjected to sewage. 2,580,409, Jan. 1.

Couch, George W.: *See*— Bartch, James C., and Couch.

Couchot, Orville F., De Land, Fla. Torque tube bracket assembly for clothes wringers. 2,580,520, Jan. 1.

Couchot, Orville F., De Land, Fla. Combination condiment and toothpick holder and dispenser. 2,580,521, Jan. 1.

Couteleu, Julien H., Levallois Perret, France, assignor, by mesne assignments, to Dukane Corporation, St. Charles, Ill. Talking machine combined with a still projector and film strip therefor. 2,581,079, Jan. 1.

Cowden, Wilbern R., Sevierville, Tenn. Adjustable control plane for fish lure. 2,580,733, Jan. 1.

Cowles, John G., Rainier, Oreg. Retractable ground-gripping device for vehicle wheels. 2,580,522, Jan. 1.

Coxhead, Ralph C., Corporation, assignee: *See*— Norton, Charles W.

Crabtree, Otis H., Long Beach, Calif. Sand catcher. 2,580,660, Jan. 1.

Crankshaw, John H., Erie, Pa., assignor to General Electric Company. Bearing assembly. 2,581,173, Jan. 1.

Creswell, David R., Douglas, Ariz. Vacuum cleaner nozzle having internal baffles. 2,581,002, Jan. 1.

Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Toy spring gun. 2,580,734, Jan. 1.

Crone, Albert J., Cincinnati, Ohio. Cigarette holder. 2,580,523, Jan. 1.

Cross, Mary F., executrix: *See*— Cross, Roy.

Cross, Roy, deceased, Kansas City, Mo.; M. F. Cross and First National Bank of Kansas City, executors. Insecticides. 2,581,174, Jan. 1.

Crump, Walter J.: *See*— Hoffmann, Anton R., and Crump.

Cummiskey, Charles E., Grosse Pointe, Mich. Adapter for stokes litters. 2,580,410, Jan. 1.

Curtiss-Wright Corporation, assignee: *See*— Le Compte, Frank M.

Cushman, Clifford E., Burbank, assignor to Sturgess, Inc., Glendale, Calif. Control line compensating apparatus. 2,581,080, Jan. 1.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Dihexyl alanine dialkylamides. 2,580,411, Jan. 1.

Cutter-Cravat, Inc., assignee: *See*— Hirsch, Julius A.

Dagenais, Joseph H., Laval des Rapides, Quebec, Canada. Wood-splitting machine. 2,580,735, Jan. 1.

Dahlinghaus, Frank, Minster, Ohio. Door and gate latch. 2,581,003, Jan. 1.

Daily Mirror Newspapers Limited, assignee: *See*— Gibson, William.

Dameron, Henry A., assignor to Greenville Steel and Foundry Company, Greenville, S. C. Taut washer for cloth. 2,580,892, Jan. 1.

Damiano, Frank, Newburgh, N. Y. Coin bank. 2,581,004, Jan. 1.

Daniels, Harry, Brooklyn, N. Y., assignor to Super Electric Products Corp., Jersey City, N. J. Core and related tube structure. 2,580,661, Jan. 1.

Dan River Mills, Incorporated, assignee: *See*— Womble, Glenn F.

Danzin, André, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Glasses of high resistivity and low dielectric losses. 2,580,662, Jan. 1.

Darmody, William J., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of War. Nondeforming holding means for gauges. 2,580,412, Jan. 1.

Daussan, Henri J., Metz, France. Products for coating molds and ingot molds. 2,580,524, Jan. 1.

David, Roger H., St. Paul, Minn. Shoe holding device. 2,580,525, Jan. 1.

Davis, Henry A., Sebring, Fla. Window construction. 2,580,736, Jan. 1.

Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt chloride humidity indicator. 2,580,737, Jan. 1.

Davison Chemical Corporation, The, assignee: *See*— Davis, Paul B.

Dawson, John H., Rockville, Md. Chopping block or knife anvil. 2,580,526, Jan. 1.

Day, Hugh I. and I. L., assignors to A. P. and F. H. Robert, jointly, doing business as Atlanta Textile Machinery Company, Atlanta, Ga. Bearing assembly. 2,581,240, Jan. 1.

Day, Iverson L.: *See*— Day, Hugh I. and I. L.

Day-Brite Lighting, Inc., assignee: *See*— Graves, Charles R.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl halides plasticized with (1',2'-dicarboxyethyl) octadecenoates. 2,581,005, Jan. 1.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl halides plasticized with (1',2'-dicarboxyethyl) undecylenates. 2,581,006, Jan. 1.

De Benneville, Peter L., and J. S. Strong, assignors to Rohm & Haas Company, Philadelphia, Pa. N-substituted-2,5-dimethyl-2,5-dicyanopyrrolidines. 2,580,738, Jan. 1.

Decca Record Company, Limited, The, assignee: *See*— Schwarz, Harvey F., and O'Brien.

De Cesaris, Fred, Johnston, R. I. Rotary motion converted into reciprocating motion. 2,581,241, Jan. 1.

Dee, Alene B., Chicago, Ill. Finger shield device. 2,580,893, Jan. 1.

Deere & Company, assignee: *See*— Oehler, William P.

De Hoffmann, Felix, Buenos Aires, Argentina. Locking device for locking shafts against rotation. 2,580,894, Jan. 1.

De la Calle, Antonio F., Mexico City, Mexico, assignor to Delta Investment, Inc., Habana, Cuba. Sugar cane diffusing apparatus. 2,581,175, Jan. 1.

Delf, George A., Creve Cour, and Glenn A. Delf, University City, Mo. Variable-width window fan assembly. 2,580,663, Jan. 1.

Delf, Glenn A.: *See*— Delf, George A. and Glenn A.

Delno, George F.: *See*— Delno, Leone G. and G. F.

Delno, Leone G. and G. F., Palo Alto, Calif. Device for use in holding cuticles away from finger nails. 2,580,739, Jan. 1.

Delta Investment, Inc., assignee: *See*— De la Calle, Antonio F.

Dempsey, Lloyd E., Portland, Oreg. Power-driven scaffold. 2,581,176, Jan. 1.

Denluck, Thomas: *See*— Salmond, Alexander H., and Denluck.

Deringer, Hans, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Method and absorption means for separating and for recovering carbon monoxide from gas mixtures. 2,580,527, Jan. 1.

De Tar, Donald R., Stratford, Conn., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Tuning system. 2,580 895, Jan. 1.

Deutser, Alton J.: *See*— Nelson, Roy F., Deutser, and Hefty.

De Vout, Anson W., La Grange, assignor to Swift & Company, Chicago, Ill. Glue drying process. 2,581,081, Jan. 1.

Dice, Henry K., S. B. Jeffries, Jr., and W. D. Hull, Corpus Christi, Tex., assignors to Celanese Corporation of America. Hydrogenation. 2,580,528, Jan. 1.

Dickhaut, Charles A., Highland Park, N. J., assignor to John Waldron Corporation, Friction drum winding machine. 2,581,242, Jan. 1.

Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Accounting apparatus. 2,580,740, Jan. 1.

Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Accounting apparatus. 2,580,741, Jan. 1.

Dietz, Norman E., York, Pa., assignor to Read Standard Corporation. Shaft seal. 2,580,529, Jan. 1.

Dietze, Carl H., Jr., Maplewood, N. J. Combined noise maker and action toy. 2,580,413, Jan. 1.

Diley, James I., Carroll, Ohio. Battery sump. 2,580,530, Jan. 1.

Dodds, Wellesley J., Cranbury, N. J., assignor to Radio Corporation of America. Cathode of electron beam devices. 2,581,243, Jan. 1.

Dohner, John H., Robinson, Kans. Hack saw frame. 2,580,896, Jan. 1.

Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Frequency conversion system for superheterodyne radio receivers. 2,581,177, Jan. 1.

Donato, Dominick J., assignor to Lukens Steel Company, Coatesville, Pa. Surface grinder for mill housings and the like. 2,581,244, Jan. 1.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car door locking mechanism. 2,580,897, Jan. 1.

Dormeyer, Ernest W., Jr.: *See*— Grenier, Joseph R., and Dormeyer.

Doughman, Ferman C., Darien, assignor to Electrolux Corporation, Old Greenwich, Conn. Pressure responsive control device for vacuum cleaners. 2,580,643, Jan. 1.

Doughman, Ferman C., Darien, assignor to Electrolux Corporation, Old Greenwich, Conn. Side opening suction cleaner. 2,580,645, Jan. 1.

Douglas Aircraft Company, Inc., assignee: *See*—
Burton, Edward F., and Glasgow.

Douglas, Donald J. and R. L., St. Paul, Minn., Swimming helmet. 2,581,007, Jan. 1.

Douglas, Russell L.: *See*—
Douglas, Donald J. and R. L.

Doumani, Thomas F., Los Angeles, and R. W. Long, San Pedro, assignors to Union Oil Company of California, Los Angeles, Calif. Purification of dinitro compounds. 2,580,742, Jan. 1.

Downs, Florence B., executrix: *See*—
Harris, Frederic R.

Draper Corporation, assignee: *See*—
Budzyna, Walter J., and Flamand.

Drechsel, Erhart K.: *See*—
Schaefer, Frederic C., and Drechsel.

Dresser Equipment Company, assignee: *See*—
Coberly, Clarence J.

Driskill, George R., San Bernardino, Calif. Flush tank ball operator. 2,580,531, Jan. 1.

Drissner, Alfred E., and R. Bencoim, assignors to The National Acme Company, Cleveland, Ohio. Lead screw threading attachment. 2,581,082, Jan. 1.

Drummond, Arthur P., Cleveland, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Dry cell. 2,580,664, Jan. 1.

Drury, Victor P., York County, Ontario, Canada. Map holder. 2,581,083, Jan. 1.

Dryden, George H., Baltimore, Md., assignor to General Railway Signal Company, Rochester, N. Y. Dragging equipment detector for railroads. 2,581,084, Jan. 1.

Du Broff, Warren, assignor of one-half to W. E. Weber, Chicago, Ill. Phase sequence and voltage direction indicator. 2,581,178, Jan. 1.

Duffey, Thomas E., West Palm Beach, Fla. Capsule. 2,580,414, Jan. 1.

Dugger, Richard L., Hummon, Okla. Tractor hitch for agricultural implements. 2,580,532, Jan. 1.

Dukane Corporation, assignee: *See*—
Contelen, Julien H.

Dumigrón y Alzugary, Alejandro, Matanzas, Cuba. Flushing tank. 2,580,898, Jan. 1.

Dunning, Robert M., and R. Guyer, assignors to Waldorf Paper Products Company, St. Paul, Minn. Forming paper can bodies. 2,580,665, Jan. 1.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Beaman, Ralph G.
Biswell, Charles B.
Howard, Edward G., Jr.
Jelinek, Arthur G.
Lane, Frank W.
Vogt, Richard R., and Hamill.
Winter, Charles H., Jr.
Wirth, Walter V., and Krahler.

Durastic Limited, assignee: *See*—
Redfarn, Cyril A.

Dutro, Lyle V.: *See*—
Faeber, Harry W., and O. and L. V. Dutro.

Dutro, Orville: *See*—
Faeber, Harry W., and O. and L. V. Dutro.

Dyer, Alvin C.: *See*—
Widdows, Richard G., Dyer, and Rathbun.

Dzus, William, West Islip, N. Y. Quick-acting, self-locking fastener. 2,580,666, Jan. 1.

E-Z Mills, Inc., assignee: *See*—
Hatay, Charles G.

Eakin, Lourie L., Ventura, Calif. Hoisting apparatus. 2,581,087, Jan. 1.

Eames, Walter R., Jr.: *See*—
Findley, Howard J., and Eames.

Eames, William F., Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator dispatching system. 2,581,245, Jan. 1.

Eastman, David P.: *See*—
Blair, Mark L., and Eastman.

Eastman Oil Well Survey Company, assignee: *See*—
Brady, Edward F.

Eastwood, Fred, New Eltham, L. Lasch, Finchley, and A. E. Rogers, Farnworth, England. Warp beam. 2,580,533, Jan. 1.

Eaton Manufacturing Company, assignee: *See*—
Findley, Howard J., and Eames.

Eaton, William V., Cleveland, Ohio. Dispenser having brush operated means for reciprocating the supply container and loosening the material contained therein. 2,580,899, Jan. 1.

Ebauches S. A., assignee: *See*—
Robert-Charrue, Fritz-André.

Eckels, Horace C., La Grange, Ill. Folding base for automobile jacks. 2,580,743, Jan. 1.

Ecusta Paper Corporation, assignee: *See*—
Matthews, Robinson E., and Harrison, Schur, Milton O., and Levy.

Edelman, Abraham, New York, assignor to The Liquidometer Corporation, Long Island City, N. Y. Liquid level gauge. 2,581,085, Jan. 1.

Edenfield, Eli E., Lakeland, and E. M. Gabriel, Jacksonville Beach, Fla. Pivotally supported tire bead forcing device. 2,581,086, Jan. 1.

Edsall, Harrison G., Spokane, Wash. Spectacle shield. 2,580,744, Jan. 1.

Edwards, H. T., assignee: *See*—
Lovelace, Cleo.

Edwards, William E.: *See*—
Evans, Arthur, and Edwards.

Eldh, Clarence L., Stockton, Calif. Pattern scribing tool. 2,581,179, Jan. 1.

Electric Boat Company, assignee: *See*—
Sherman, Kenneth C.

Electric Controller & Manufacturing Company, The, assignee: *See*—
Rathbun, Harold J.
Widdows, Richard G., Dyer, and Rathbun.

Electro-Hydraulics Limited, assignee: *See*—
Orloff, George.

Electrolux Corporation, assignee: *See*—
Beede, Arnold H.
Doughman, Ferman C.
Lofgren, Gustaf E.

Elektro-Watt Elektrische und Industrielle Unternehmungen A. G., assignee: *See*—
Meili, Ernst.

Ellis-Foster Company, assignee: *See*—
Rust, John B., and Pfeifer.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Primary cell structure. 2,580,415, Jan. 1.

Ellis, John L.: *See*—
Goetzel, Claus G., and Ellis.

Ellis, John L., and C. G. Goetzel, Yonkers, assignors to Sintercast Corporation of America, New York, N. Y. Metallurgy. 2,581,253, Jan. 1.

Emblem, Harold G.: *See*—
Shaw, Clifford, Smith, and Emblem.

Emerson, William S., and R. I. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Oxa-glycol dilevulinates. 2,581,008, Jan. 1.

Emerson, William S., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparing thiophenealdehydes. 2,581,009, Jan. 1.

Engstrom, Henry O., assignor to R. W. Luce, Southport, Conn. Self-locking nut. 2,580,745, Jan. 1.

Enterprise Railway Equipment Company, assignee: *See*—
Dorey, George B.

Entwistle, James L., Cranston, and A. W. Nelson, assignors to The James L. Entwistle Co., Pawtucket, R. I. Apparatus for striping wire. 2,581,180, Jan. 1.

Entwistle, James L., Co., The, assignee: *See*—
Entwistle, James L., and Nelson.

Epstein, Henry, Brooklyn, assignor of one-third to M. E. Epstein, and one-third to M. M. Epstein, New York, N. Y. Package for twine, rope, or the like. 2,580,900, Jan. 1.

Epstein, Mandel E., assignee: *See*—
Epstein, Henry.

Epstein, Morton M., assignee: *See*—
Epstein, Henry.

Erickson, John G., Greenwich, and W. M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Copolymer of styrene, glycidyl acrylate and glycidyl methacrylate. 2,580,901, Jan. 1.

Ericson, Arthur E., Beverly, Mass. Electron prod. 2,580,416, Jan. 1.

Eriskin, Huseyin N., Galata-Istanbul, Turkey. Auxiliary air inlet for internal-combustion engines. 2,580,902, Jan. 1.

Escher, Anne, The Hague, Netherlands. Heat accumulator. 2,580,534, Jan. 1.

Etablissements Merlin & Gerin-Societe Anonyme, assignee: *See*—
Branchu, Paul J.

Etherington, Lewis D., Bayonne, and H. W. Scheeline, West Orange, N. J., assignors to Standard Oil Development Company. Fractionation of gaseous mixtures. 2,581,088, Jan. 1.

Evans, Arthur, Southall; and W. E. Edwards, London, assignors to The Fairey Aviation Company Limited, Hayes, England. Turn button for aircraft cowlings. 2,581,089, Jan. 1.

Evans Case Co., assignee: *See*—
Reilly, Alfred F.

Evans, John E., Montgomery Township, Somerset County, N. J., assignor to Radio Corporation of America. Color television system. 2,580,903, Jan. 1.

Ex-Cell-O Corporation, assignee: *See*—
Casler, Roger H.
Karweit, John W.
Taylor, Milton C.

Faeber, Harry W., Larchmont, N. Y., O. and L. V. Dutro, La Canada, Calif., assignors to Time, Inc., New York, N. Y. Water motion for offset presses. 2,580,667, Jan. 1.

Fairey Aviation Company Limited, The, assignee: *See*—
Evans, Arthur, and Edwards.

Fairmont Canning Company, assignee: *See*—
Rogers, Grant H.

Falk Corporation, The, assignee: *See*—
Bade, Alfred G.

Farbwerke Hoechst vormals Meister Lucius & Bruning, assignee: *See*—
Middendorf, Leonhard.

Farley & Loetscher Manufacturing Company, assignee: *See*—
Triller, Benjamin J.

Faulkner, William S., Jr., Charlotte, N. C. Portable stadium cushion and/or sports cushion. 2,580,904, Jan. 1.

Favre, John A., Drexel, Pa., assignor to General Electric Company. Heavy-duty air circuit breaker. 2,581,181, Jan. 1.

Faximile, Inc., assignee: *See*—
Rohrberg, Paul W.

Federal Cartridge Corporation, assignee: *See*—
King, William N., Romanchuk, and Lynn.

Federal Electric Products Company, assignee: *See*—
Ballou, Richard P.

Fehler, Henry P., Wolseley, Saskatchewan, Canada. Frame building dismantling tool. 2,581,090, Jan. 1.

Feinberg, Emanuel, Detroit, Mich. Air-conditioning apparatus. 2,580,535, Jan. 1.

Feldman, Herman, Forest Hills, assignor to J. Golden, Bronxville, N. Y. Novelty shoe tree for children. 2,580,746, Jan. 1.

Fenton, Frank, Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Apparatus for loading vulcanizing molds. 2,581,246, Jan. 1.

Ferro Corporation, assignee: *See*—
Sweo, Benjamin J.

Fessender, Ace C., assignee: *See*—
Casler, Roger H.

Feucht, Jacob E., Garfield Heights, Ohio, assignor to Le Roi Company, Milwaukee, Wis. Valve for rock drills. 2,580,747, Jan. 1.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Inhaler. 2,581,182, Jan. 1.

Fillebrown, William C., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Centering and caging mechanism for gyroscopes. 2,580,748, Jan. 1.

Findley, Howard J., Chardon, Ohio, and W. R. Eames, Jr., Hazel Park, Mich., assignors to Eaton Manufacturing Company, Cleveland, Ohio. Windshield wiper apparatus. 2,581,010, Jan. 1.

Fiorenzi, Ubaldo, Sinigallia, Italy. Mounting for wall forms. 2,580,536, Jan. 1.

First National Bank of Kansas City, executor: *See*—
Cross, Roy.

Fischer, Arnold F., New York, N. Y. Reel for wire stitching machines. 2,580,749, Jan. 1.

Fisher, George A.: *See*—
Scull, William S. 2nd, and Fisher.

Fitch, B. F., assignee: *See*—
Norbom, Ragnar A.

Fitzpatrick, John T.: *See*—
Young, Frank G., and Fitzpatrick.

Flamand, Maurice R.: *See*—
Budzyna, Walter J., and Flamand.

Fleming, Harold W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Solvent extraction of oxygenated organic compounds. 2,580,750, Jan. 1.

Fletcher, Albert C., assignor to W. H. Stewart, Oklahoma City, Okla. Outside metal blind and operating means therefor. 2,581,321, Jan. 1.

Fletcher, William A., Daleville, Ind., assignor to General Motors Corporation, Detroit, Mich. Dashpot for servomotors. 2,580,751, Jan. 1.

Fleuriot, Robert G.: *See*—
Tandler, William S., Fleuriot, and Peck.

Florant, Leroy F., Columbus, Ohio. Automatic playing card dealing apparatus. 2,581,247, Jan. 1.

Florence Stove Company, assignee: *See*—
Reeves, Herbert M.

Flude, John W., Houston, Tex. Enclosed kite-type detector carrier. 2,580,537, Jan. 1.

Follett, Robert P., Needham, and W. J. Murray, Dedham, assignors to Arthur D. Little, Inc., Cambridge, Mass. Preparing chrome tanning material. 2,580,417, Jan. 1.

Ford, Byron E., administrator: *See*—
Lattig, Charles I.

Forester, Harold E., assignor to Johnson Fare Box Company, Chicago, Ill. Self-locking cashbox. 2,580,752, Jan. 1.

Forming Machine Company of America, Inc., The, assignee: *See*—
Simpson, Alvan D.

Forstner Chain Corporation, assignee: *See*—
Gaupp, Kurt.

Foster, Paul H., Tulsa, Okla., assignor to Standard Oil Development Company. Continuous line seismometer. 2,581,091, Jan. 1.

Foster, William C., Baltimore, Md. Switch operator. 2,580,905, Jan. 1.

Fouquart, Maurice, Paris, France. Electronic voltmeter with calibrated resistors. 2,581,011, Jan. 1.

Fox, George H., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa. Elastic fabric. 2,581,322, Jan. 1.

Frank, Clarence E., Fraser, assignor to General Motors Corporation, Detroit, Mich. Vehicle wheel support. 2,580,383, Jan. 1.

Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Elastomer mold sealing device. 2,580,668, Jan. 1.

Frentzel, Herman C., Milwaukee, assignor to The Parker Pen Company, Janesville, Wis. Ball point fountain pen. 2,580,753, Jan. 1.

Frentzel, Herman C., Milwaukee, assignor to The Parker Pen Company, Janesville, Wis. Writing instrument. 2,580,754, Jan. 1.

Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. High-frequency electrical apparatus. 2,580,418, Jan. 1.

Frost, Clarence M., assignor to Frost Vending Machine Co., Milton, Mass. Coin-controlled unit for slot machines. 2,580,906, Jan. 1.

Frost Vending Machine Co., assignee: *See*—
Frost, Clarence M.

Fulwal Chemical Corporation, The, assignee: *See*—
Zeiss, Harold H.

Funk, Lewis D., Whittier, assignor of one-half to P. Greening, Norwalk, Calif. Soil fumigating apparatus. 2,580,755, Jan. 1.

Furman, Frank J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Punch. 2,580,756, Jan. 1.

Gabriel, Ernest M.: *See*—
Edenfield, Eli E., and Gabriel.

Galamb, Joseph A., Detroit, assignor to F. Hanshaw, Port Huron, Mich. Fowl-picking apparatus. 2,581,183, Jan. 1.

Ganz, Rudolph V., assignor to The Colonial Insulator Company, Akron, Ohio. Making forms for the manufacture of dipped rubber goods or other articles. 2,581,248, Jan. 1.

Ganz, Rudolph V., assignor to The Colonial Insulator Company, Akron, Ohio. Making ceramic dipping forms or the like. 2,581,249, Jan. 1.

Garber, John D., New York, N. Y., and W. C. Hollyday, Jr., Roselle, N. J., assignors to Standard Oil Development Company. Olefin-diolefin capolymers and mercaptan adducts. 2,581,092, Jan. 1.

Gardner, James M.: *See*—
Piper, Frank R., and Fairfax.

Garner, Herman H., assignee: *See*—
Russell, Kenneth F.

Garnett, James C., Darkfaulds, Blairgowrie, assignor of one-half to Baxter Brothers & Company Limited, Dundee, Scotland. Spinning, twisting, and like machine. 2,581,012, Jan. 1.

Garnier, Henri L., Courbevoie, France. Continuous change-speed gear. 2,580,669, Jan. 1.

Garside, Samuel H. E., Toronto, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Power assisted control. 2,581,250, Jan. 1.

Gaupp, Kurt, Maplewood, N. J., assignor to Forstner Chain Corporation. Snap clasp. 2,580,907, Jan. 1.

General Aniline & Film Corporation, assignee: *See*—
Witte, Michael.

General Electric Company, assignee: *See*—
Crankshaw, John H.
Dome, Robert B.
Favre, John A.
Macpherson, Ronald H.
Moe, Robert E.
Pagenkemper, Arthur H., and Cain.
Sambleson, Robert F.
Schmidt, August, Jr.
Shepard, Billy R., and Short.
Sink, Robert L.
Spooner, David C., Jr.
Spooner, David C., Jr. and Greenhalgh.

General Industries Company, The, assignee: *See*—
Van der Woude, Fritz R.

General Laboratory Associates, Inc., assignee: *See*—
McNulty, John V.

General Motors Corporation, assignee: *See*—
Fletcher, William A.
Frank, Clarence E.
Hazen, Ronald M., and McDowall.
Novak, Joseph N.
Putnam, Nelson E.
Rasmussen, Olaf, and Rike.
Sisson, Kenneth O.
Trisler, Milton A.
Wirtz, Frank E.

General Railway Signal Company, assignee: *See*—
Dryden, George H.
Jacobus, John J.

General Steel Castings Corporation, assignee: *See*—
Pagenkemper, Arthur H., and Cain.

Gentsch, George A., Oklaunion, Tex. Portable apparatus for obtaining linear measurements. 2,580,538, Jan. 1.

Germanton, Charles E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alarm sending circuit. 2,580,757, Jan. 1.

Gibbins, Leonard W.: *See*—
Stibbe, Edward V., and Gibbins.

Gibson, William, assignor of one-half to Daily Mirror Newspapers Limited, London, England. Transfer arrangement for overhead conveyer systems. 2,580,758, Jan. 1.

Gilbert, Everett A., Lake Hiawatha, assignor to Radio Frequency Laboratories, Inc., Boonton, N. J. Metal detector. 2,580,670, Jan. 1.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Liquid level responsive switch. 2,580,759, Jan. 1.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Speed responsive generator. 2,581,093, Jan. 1.

Gillette Safety Razor Company, assignee: *See*— Testi, Nicholas.

Gitchel, Wayne B.: *See*— Arvin, James A., and Gitchel.

Glasgow, Charles S., Jr.: *See*— Burton, Edward F., and Glasgow.

Glazer, Allan, Summit, N. R. Stryker, East Orange, and H. F. Hopkins, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone booth. 2,581,251, Jan. 1.

Gleason, Anthony H., Westfield, and S. E. Jaros, Rahway, N. J., assignors to Standard Oil Development Company. Preparation of drying oils. 2,581,094, Jan. 1.

Goddard, Esther C., executrix: *See*— Goddard, Robert H.

Goddard, Robert H., deceased, by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Cylindrical rotating valve mechanism for multiple resonance chambers. 2,580,908, Jan. 1.

Godmaire, Aimé, Montreal, Quebec, Canada. Wrench socket. 2,581,095, Jan. 1.

Goetzel, Claus G.: *See*— Ellis, John L., and Goetzel.

Goetzel, Claus G., Yonkers, and J. L. Ellis, assignors to Sintercast Corporation of America, New York, N. Y. Powder metallurgy articles. 2,581,252, Jan. 1.

Goff, Harold W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reperforating apparatus. 2,581,184, Jan. 1.

Golden, Jules, assignee: *See*— Feldman, Herman.

Goodwin, Carl L., Bay Village, Ohio. Electrical remote-control system. 2,580,539, Jan. 1.

Goodwin, Ernest G., Toledo, Ohio. Railway car. 2,580,760, Jan. 1.

Gordon, Alred L., Cleveland Heights, Ohio, assignor to Chicago White Metal Products, Inc., Chicago, Ill. Casket handle. 2,580,909, Jan. 1.

Gordon, Leo, Nutley, assignor to Specialties Development Corporation, Belleville, N. J. Handle for portable fire extinguishers. 2,581,013, Jan. 1.

Gordon, Samuel R., New York, N. Y. Combination light fixture and fan. 2,581,185, Jan. 1.

Gorin, Everett: *See*— Gorin, Manuel H. and E.

Gorin, Manuel H., San Francisco, Calif., and E. Gorin, Mount Lebanon, Pa., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Methylation of aromatics. 2,581,014, Jan. 1.

Gosline, Gilbert G.: *See*— Jacobsen, Le Roy V., and Gosline.

Gottschau, Christian M., Rochester, N. Y., assignor to Commercial Controls Corporation. Stamp vending machine. 2,581,323, Jan. 1.

Gould, Albert S., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Rocket launcher. 2,581,096, Jan. 1.

Gould & Eberhardt, Incorporated, assignee: *See*— Zimmermann, William F.

Govette, Charles, Pawtucket, R. I. Combination flower box and house marker. 2,580,671, Jan. 1.

Graham, Robert E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Saw-tooth generator and system utilizing it. 2,580,672, Jan. 1.

Graham, Robert E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Saw-tooth generator and system utilizing it. 2,580,673, Jan. 1.

Graham, Thomas T., Houston, Tex. Repair clamp for pipe lines. 2,581,015, Jan. 1.

Graves, Charles R., Eureka, assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Suspended ceiling with recessed lighting fixture. 2,580,540, Jan. 1.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Paper having improved printing characteristics. 2,581,186, Jan. 1.

Green, Walter H., Batavia, assignor to Inflico Incorporated, Chicago, Ill. Slurry type liquid treating apparatus and process. 2,580,761, Jan. 1.

Greenawalt, Elmer J., Alliance, assignor to American Steel Foundries, Chicago, Ill. Fifth wheel handle. 2,581,254, Jan. 1.

Greenhalgh, Milton S.: *See*— Spooner, David C., Jr., and Greenhalgh.

Greening, Paul, assignee: *See*— Funk, Lewis D.

Greenville Steel and Foundry Company, assignee: *See*— Dameron, Henry A.

Gregor, Frank J.: *See*— Read, Robert C., and Gregor.

Grenier, Joseph R., and E. W. Dormeyer, Jr., Buffalo, N. Y. Protective closure. 2,580,762, Jan. 1.

Griffin, Richard S., Glendale, Calif. Device for determining the axis of rotation of rotatable elements. 2,580,674, Jan. 1.

Griffiths, Frederick J., Massillon, Ohio. Treatment of molten steel. 2,581,097, Jan. 1.

Griggs, Nelson S., Shelburne, Vt., assignor to Specialties Development Corporation, Belleville, N. J. Fire-extinguishing apparatus. 2,580,419, Jan. 1.

Griswold, Donald W., Oberlin, and H. N. Ricket, assignors to The American Specialty Company, Amherst, Ohio. Apparatus for processing food stock. 2,580,420, Jan. 1.

Grivet, Pierre, and F. Bertein, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Correction device for microscopes of the reflection mirror type. 2,580,675, Jan. 1.

Gross, Arthur R., St. Paul, Minn. Bottle rack. 2,580,676, Jan. 1.

Gross, Leonard, New Barnet, and E. Bailey, Letchworth, England, assignors to International Business Machines Corporation, New York, N. Y. Record controlled accounting device. 2,580,763, Jan. 1.

Grossmann, Paul, Binningen, assignor to Ciba Limited, Basel, Switzerland. Sulfonating 1-aminoanthraquinones. 2,581,016, Jan. 1.

Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Cross-talk compensation in pulse multiplex system. 2,580,421, Jan. 1.

Guenzel, William T., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for marine operations. 2,581,098, Jan. 1.

Guffey, Olive M., Kansas City, Mo. Folding container for purses or handbags. 2,581,099, Jan. 1.

Guggenheim, Daniel and Florence, Foundation, The: assignee: *See*— Goddard, Robert H.

Gulf Research & Development Company, assignee: *See*— McCarthy, Paul R.

Gunn, Frank G., Ickenham, England, assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. System of composite photography. 2,580,422, Jan. 1.

Gunz, Johanna, Tucson, Ariz., assignor to Inflico Incorporated, Chicago, Ill. Two stage filtration of sewage. 2,580,764, Jan. 1.

Guthrie, Robert C., Washington, D. C. Negative resistance pulse generator. 2,580,423, Jan. 1.

Guyer, Reynolds.: *See*— Dunning, Robert M., and Guyer.

H-P-M Development Corporation, assignee: *See*— Purcell, Howard M.

Haas, Otto R., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine and method for fastening hassocks. 2,581,017, Jan. 1.

Hadley, Benjamin H., Pomona, Calif. Vehicle switch for back-up warning. 2,580,677, Jan. 1.

Haley, William J., Elizabeth, N. J. Tamperproof sealed barrel closure. 2,581,187, Jan. 1.

Hall, Edwin L., Cleveland Heights, Ohio, assignor to American Gas Association, Incorporated, New York, N. Y. Manufacturing oil gas. 2,580,766, Jan. 1.

Hall, Edwin L., Cleveland Heights, Ohio, assignor to American Gas Association, Incorporated, New York, N. Y. Manufacturing oil gas. 2,580,767, Jan. 1.

Hall, Elwin B., Los Angeles, E. F. Snyder, Long Beach, and C. S. Seybold, Jr., Gardena, Calif. Method and composition for treating wells. 2,580,765, Jan. 1.

Hall Laboratories, Inc., assignee: *See*— Munter, Casimir J.

Hall, Newton L., Long Beach, Calif. Rotary grinding or drying mill. 2,580,541, Jan. 1.

Hamill, William H.: *See*— Vogt, Richard, and Hamill.

Hamilton, Francis E., Endicott, R. R. Seeber, Jr., Scarsdale, and R. W. Prentice, Newark Valley, assignors to International Business Machines Corporation, New York, N. Y. Data look-up apparatus for computing or other machines. 2,580,768, Jan. 1.

Hammond Instrument Company, assignee: *See*— Hanert, John M.

Hancock, John, Mutual Life Insurance Company, assignee: *See*— Schempers, William.

Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Vibrato apparatus for electrical musical instruments. 2,580,424, Jan. 1.

Hanna, V. D.: *See*— Carlson, Emil.

Hansen, William W., deceased, Stanford University, Calif.; O. D. Ross, executrix, assignor to The Sperry Corporation, Great Neck, N. Y. High-frequency directional coupler apparatus. 2,580,679, Jan. 1.

Hansen, William W., and T. Moreno, Garden City, N. Y., assignors to The Sperry Corporation. High-frequency measuring apparatus. 2,580,678, Jan. 1.

Hanshaw, Fred, assignee: *See*— Galamb, Joseph A.

Harding, Milo M., assignee: *See*— Bailey, Richard W.

Harman, Abbot A., New York, N. Y. Bracelet clasp. 2,580,769, Jan. 1.

Harman, Merlin C., assignor to S & C Electric Company, Chicago, Ill. Contact construction. 2,580,910, Jan. 1.

Harper, Leonard R., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Stepping register. 2,580,771, Jan. 1.

Harris, Charles M., Holland, Mich. Hitch. 2,580,770, Jan. 1.

Harris, Frederic R., deceased, New York, N. Y.; M. S. Lobenthal, M. P. Bloch, and F. B. Downs, executors. Foundation structure for derricks. 2,580,911, Jan. 1.

Harrison, James W.: *See*— Houdry, Eugene J., and Harrison.

Harrison, Ward D.: *See*— Matthews, Robinson E., and Harrison.

Hartford National Bank and Trust Company, trustee, assignee: *See*— Repko, Jan D.

Hartzell, Donald W., assignor to Hartzell Products, Inc., New York, N. Y. Automatic fire extinguisher. 2,581,324, Jan. 1.

Hartzell Products, Inc., assignee: *See*— Hartzell, Donald W.

Harvey, Henry E.: *See*— Clark, Thomas, and Harvey.

Harvuot, Richard E., Los Angeles, and A. J. Jones, Palm Springs, Calif. Hair curler. 2,580,425, Jan. 1.

Hat Corporation of America, assignee: *See*— Rickus, George M., and Hoffman.

Hatay, Charles G., Georgetown, Mass., assignor to E-Z Mills, Inc., New York, N. Y. Apparatus for treating textile fabrics. 2,581,018, Jan. 1.

Hawkins, Earl C., Buffalo, N. Y. Device for making packing rings. 2,580,772, Jan. 1.

Hawthorne, Ollie P., Pampa, Tex. Tackle holder for fishermen. 2,580,912, Jan. 1.

Hawthorne, Ollie P., Pampa, Tex. Tackle holder for fishermen. 2,580,913, Jan. 1.

Hazen, Ronald M., and C. J. McDowall, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Charge forming device. 2,580,384, Jan. 1.

Heath, Harold F., assignor to W. J. Llewellyn Limited, Redditch, England. Machine for grinding the ends of coiled springs. 2,580,542, Jan. 1.

Heffy, Melvin R.: *See*— Nelson, Roy F., Deutser, and Heffy.

Heide, Harold R. E., assignor to H. Hilderbrant, Chicago, Ill. Container and bottle supporting rack. 2,581,019, Jan. 1.

Heigis, Henry E., Nutley, assignor to Specialties Development Corporation, Belleville, N. J. Warning means for safety discharge. 2,580,426, Jan. 1.

Heiland, Carl A., assignor to Heiland Research Corporation, Denver Colo. Recording system. 2,580,427, Jan. 1.

Heiland Research Corporation, assignee: *See*— Heiland, Carl A.

Heiman, Samuel, assignor to Philadelphia Rust-Proof Co., Philadelphia, Pa. Method and composition for coating aluminum with zinc. 2,580,773, Jan. 1.

Heinkel, Amanda Y., Hollywood, Calif. Combination slip and brassière. 2,581,325, Jan. 1.

Helbig, Mary C., Plainfield, Ind. Combined skirted and bifurcated garment. 2,580,774, Jan. 1.

Helms Industrial Development Company, assignee: *See*— Helms, Laurence C. and T. R., Tungett, and Noonan.

Helms, Laurence C. and T. R., G. Tungett, Grand Rapids, and J. K. Noonan, Cedar Springs, assignors to Helms Industrial Development Company, Grand Rapids, Mich. Grille guard. 2,580,775, Jan. 1.

Helms, Travis R.: *See*— Helms, Laurence C. and T. R., Tungett, and Noonan.

Hemphill Company, assignee: *See*— St. Pierre, Eugene.

Henderson, William P., Detroit, Mich. Cover plate for vehicle wheels. 2,580,543, Jan. 1.

Hennessy, Edward J., assignor to R. A. Washburn, Chicago, Ill. Bottle carrier convertible to a toy house. 2,581,100, Jan. 1.

Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuous vulcanizing method and apparatus. 2,581,255, Jan. 1.

Herman, Daniel F.: *See*— Wilder, Richard S., and Herman.

Herman, Harry, Brooklyn, N. Y. Rolling window screen. 2,580,776, Jan. 1.

Herreshoff, Alexander G., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Piston. 2,581,326, Jan. 1.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Locating casing collars in a well. 2,580,544, Jan. 1.

Heuver, Herbert M., Dayton, Ohio. Cycloidal rotor for aircraft. 2,580,428, Jan. 1.

Hewlett-Packard Company, assignee: *See*— Noe, Jerre D.

Hewlett, Robert H., Pittsburgh, Pa. Fishing reel. 2,580,777, Jan. 1.

Hexter, Joseph, and W. E. Lanham, assignors to Columbia Baking Company, Atlanta, Ga. Bandcutter sharpening machine. 2,580,778, Jan. 1.

Heyer, Eric H., Los Angeles, and E. Z. Walters, North Hollywood, Calif. Photographic processing apparatus. 2,580,779, Jan. 1.

Hibbard, Frank H., Mountain Lakes, N. J. Oil burner safety control system. 2,581,188, Jan. 1.

Hibshman, Henry J.: *See*— Abeel, Alan C., Jr., and Hibshman.

Hickok Manufacturing Co. Inc., assignee: *See*— Mix, Edwin S.

Hicks, Russell S., executor: *See*— Julius, Awdry F. and G. A.

Hilderbrandt, Henry, assignee: *See*— Heide, Harold R. E.

Hill, Edward G.: *See*— Ingres, Jeannot G., and Hill.

Hill-Shaw Company, assignee: *See*— Perlman, Henry S.

Hill, Stanley E., Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Combination drawbar and support. 2,580,545, Jan. 1.

Hillman, Fred J., Bakersfield, assignor to Hillman-Kelley, Los Angeles, Calif. Safety guard for power-driven pipe tongs. 2,580,680, Jan. 1.

Hillman-Kelley, assignee: *See*— Hillman, Fred J.

Hinkle, John C., Lincoln, Nebr. Bore gauge. 2,581,256, Jan. 1.

Hirsch, Julius A., Chicago, Ill., assignor to Cutter-Cravat, Inc. Insert for necktles. 2,580,914, Jan. 1.

Hirsch, Julius A., Chicago, Ill., assignor to Cutter-Cravat, Inc. Necktie material display device. 2,581,101, Jan. 1.

Hirshon, Benedict E., Brookline, Mass. Mixing substances. 2,580,780, Jan. 1.

Hobbs, John, New York, N. Y. Water-heating gas burner. 2,581,189, Jan. 1.

Hobson, Charles M., Jr., Wenonah, assignor to United States Gasket Company, Camden, N. J. Jacketed gasket. 2,580,546, Jan. 1.

Hocher, Andrew A., Glenshaw, Pa., assignor to Hubbard and Company. Earth anchor. 2,580,915, Jan. 1.

Hochmuth, Frank W., Summit, N. J., assignor to Combustion Engineering-Superheater, Inc. Spray nozzle with cleaning means. 2,580,385, Jan. 1.

Hodge, Murry K., North Little Rock, Ark. High fidelity sound reproducing unit with resiliently suspended baffle plate. 2,580,916, Jan. 1.

Hodges, Elmer L., assignor of one-half to R. H. Otis, Denison, Tex. Tape dispensing reel and angle crimper. 2,581,190, Jan. 1.

Hodges, Linnie P., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removal of oxygenated organic compounds from hydrocarbons. 2,581,102, Jan. 1.

Hodgson, Arthur C., Topeka, Kans. Abrading device. 2,580,917, Jan. 1.

Hoffer, James F., Detroit, Mich. Flexible drive coupling. 2,580,781, Jan. 1.

Hoffman, Stanley G.: *See*— Rickus, George M., and Hoffman.

Hoffmann, Anton R., Southport, and W. J. Crump, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Thermocouple hot wire anemometer. 2,580,782, Jan. 1.

Hollcroft, Joseph D., Kermit, Tex. Self-cleaning gas safety tank. 2,580,547, Jan. 1.

Holley Carburetor Company, assignee: *See*— Colvin, Clifford, and Bettoni.

Hollyday, William C., Jr.: *See*— Garber, John D., and Hollyday.

Holmes, Frank G., Philadelphia, Pa. Dual window washing device. 2,580,783, Jan. 1.

Homs, Inc., assignee: *See*— Oliver, Edward M., and Malherbe.

Hood, Myron E., assignee: *See*— Chapplow, William L.

Hoover Company, The, assignee: *See*— Kitto, William H. Smellie, Donald G. White, Harry B.

Hopkins, Harris F.: *See*— Glazer, Allan, Stryker, and Hopkins.

Hoppe, Boris, Kew Gardens, N. Y. Kitchen cabinet arrangement and table. 2,580,784, Jan. 1.

Hornkohl, Frank, assignee: *See*— Smith, George T., and Munding.

Horsák, Drahomír, Brunn, Czechoslovakia. Process and apparatus for the production of artificial fibers. 2,580,918, Jan. 1.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,581,103, Jan. 1.

Houdry, Eugene J., assignee: *See*— Malina, Louis E.

Houdry, Eugene J., Ardmore, Pa., and J. W. Harrison, Woodbury, N. J.; said Harrison, assignor to said Houdry. Catalytic structure of silica on alumina-coated porcelain. 2,580,429, Jan. 1.

Houdry Process Corporation, assignee: *See*— Bates, John R., and Bond. Shirk, Robert M.

Homlsby, George W., Jr., Chicago, Ill. Adjustable hinge. 2,581,104, Jan. 1.

Howard, Edward G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aracylhydrazo substituted nitriles. 2,580,919, Jan. 1.

Hubbard and Company, assignee: *See*— Hocher, Andrew A.

Huff, Henry A., assignee: *See*— Waltz, Charles A.

Hughes, Everett C., Cleveland Heights, and J. D. Bartleson, assignors to The Standard Oil Company, Cleveland, Ohio. Catalyzed sulfide-hydrocarbon reaction products and making same. 2,580,430, Jan. 1.

Hull, Warren D.: *See*—
Dice, Henry K., Jeffries, and Hull.

Hulson Company, assignee: *See*—
Hulson, John W.

Hulson, John W., assignor to Hulson Company, Chicago, Ill. Journal lubricator. 2,581,020, Jan. 1.

Hunsworth, Melvin T., Collegeville, Pa., assignor to Container Corporation of America, Chicago, Ill. Textile container with slotted corners. 2,581,105, Jan. 1.

Hunt, Melvin W., Gardena, Calif. Double swing. 2,580,920, Jan. 1.

Hyman, Henry, assignee: *See*—
Muldoon, Bernard F.

I-T-E Circuit Breaker Company, assignee: *See*—
Sprengle, William L.

Iams, Harley, Venice, Calif., assignor to Radio Corporation of America. Radio reflector. 2,580,921, Jan. 1.

Ikelheimer, Irwin M., New York, N. Y. Rack for sample cases. 2,581,257, Jan. 1.

Independent Pneumatic Tool Company, assignee: *See*—
Larson, Gilbert B., and Kaman.

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping machine. 2,581,106, Jan. 1.

Infilco Incorporated, assignee: *See*—
Green, Walter H.
Gunz, Johanna.
Kahn, James M.

Ingres, Jeannot G., and E. G. Hill, Richmond, Va. Tractor-trailer brake system. 2,581,107, Jan. 1.

Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Norris, Stanley E.

International Business Machines Corporation, assignee: *See*
Carroll, Fred M., and Smith.
Dickinson, Arthur H.
Furman, Frank J.
Gross, Leonard, and Bailey.
Hamilton, Francis E., Seeber, and Prentice.
Harper, Leonard R.
Johnson, Reynold B.
Taylor, Alton P.
Wilkerson, Victor O.

International Derrick & Equipment Company, assignee: *See*—
Athy, Clifford R., and Konkle.

International Electronics Company, The, assignee: *See*—
Roberts, Bruce.

Jackson, George P.: *See*—
Meissner, Harold G., and Jackson.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Mounting for lock mechanism. 2,580,548, Jan. 1.

Jacobsen, Le Roy V., Durant, Iowa, and G. G. Gosline, Rock Island, Ill., assignors to Bee-Line Company, Davenport, Iowa. Bilaterally and uniformly extensible unit. 2,581,021, Jan. 1.

Jacobson, James J., New York, N. Y. Skewer roaster frame. 2,580,549, Jan. 1.

Jacobus, John J., Greece, assignor to General Railway Signal Company, Rochester, N. Y. Dragging equipment detector signaling system for railroads. 2,581,108, Jan. 1.

Jacoby, Arthur L.: *See*—
Bird, Paul G., Jacoby, and Kell.

Jacoby, Arthur L., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Prevention of foaming in stem generation. 2,580,922, Jan. 1.

Jacoby, Arthur L., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Prevention of corrosion in steam generation. 2,580,923, Jan. 1.

Jacoby, Arthur L., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Prevention of corrosion in steam generation. 2,580,924, Jan. 1.

Jandasek, Vladimir J., assignor to Bendix Aviation Corporation, Detroit, Mich. Injection pump. 2,580,785, Jan. 1.

Japikse, Bertrand, Reiffton, Pa. Press guiding gib. 2,581,022, Jan. 1.

Jaros, Stanley E.: *See*
Gleason, Anthony H., and Jaros.

Jarvis, Kenneth W., Winnetka, Ill. Reflector oven. 2,580,925, Jan. 1.

Jeffries, Samuel B., Jr.: *See*—
Dice, Henry K., Jeffries, and Hull.

Jelinek, Arthur G., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Bis (p-chlorophenyl) mercaptole acetone and its miticidal activity. 2,580,550, Jan. 1.

Jensen, Garold K., and J. Benveniste, U. S. Navy. Communication system. 2,580,431, Jan. 1.

Jensen, Theron H., Cowley, Wyo. Beet harvester with lifter. 2,580,432, Jan. 1.

Jerrick, Joseph L., New Britain, Conn. Adjustable cross-leg table. 2,581,023, Jan. 1.

Jewett, Maurice G., Milwaukee, and B. E. Sivyer, Whitefish Bay, assignors to Chain Belt Company, Milwaukee, Wis. Conveyer flight. 2,580,786, Jan. 1.

Johansson, Ida M., Deje, Sweden. Letter sheet. 2,580,386, Jan. 1.

Johnsen, Vernon L.: *See*—
Babcock, Glen E., Johnsen, and Smith.

Johnson, Charley E., and G. C. Bratland, Yamhill, Oreg. Tire removing apparatus with circumferentially distributed bead engaging members. 2,580,926, Jan. 1.

Johnson, Ernest W.: *See*—
Church, James M., and Johnson.

Johnson Fare Box Company, assignee: *See*—
Forester, Harold E.

Johnson & Johnson, assignee: *See*—
Schwartz, Morris A.

Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Impulse-actuated program device. 2,580,787, Jan. 1.

Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Selective printing and punching mechanism. 2,580,788, Jan. 1.

Johnson, S. C. & Son, Inc., assignee: *See*—
Bridgeman, Walter A.
Vogl, Henry L., and Stieber.

Jones, Anita J.: *See*—
Harvuot, Richard E., and Jones.

Joyce, Joseph R., Milton, Mass. Electrical device and terminal therefor. 2,581,024, Jan. 1.

Jubanowsky, Louis J.: *See*—
Patton, Temple C., and Jubanowsky.

Judd, Frederick V. H., Canton, assignor to United Aircraft Corporation, East Hartford, Conn. Adjustable propeller cuff. 2,580,789, Jan. 1.

Julius, Awdry F., and G. A. Julius, deceased, Sydney: by E. D. O. Julius, Killara, near Sydney, and A. F. Julius and R. S. Hicks, executors, assignors to Automatic Totalisators Limited, Sydney, New South Wales, Australia. Gear assembly for totalizators. 2,580,790, Jan. 1.

Julius, Eva D. O., executrix: *See*—
Julius, Awdry F. and G. A.

Julius, George A.: *See*—
Julius, Awdry F. and G. A.

Kacena, Jerome, Chicago, Ill. Scraper-blade assembly for plaster mixers and the like. 2,580,551, Jan. 1.

Kahn, Benjamin: *See*—
Orshansky, Elias, Jr., Southack, and Kahn.

Kahn, Bertrand B., Cincinnati, and P. F. Metz, assignors to Noma Electric Corporation, Hamilton, Ohio. Stove. 2,580,927, Jan. 1.

Kahn, James M., Glencoe, assignor to Infilco Incorporated, Chicago, Ill. Deaerating apparatus. 2,580,791, Jan. 1.

Kain, Clifford H., Los Altos, Calif. Valve. 2,580,433, Jan. 1.

Kalitinsky, Andrew, New York, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn. Free-piston compressor. 2,581,191, Jan. 1.

Kaman, Frank A.: *See*—
Larson, Gilbert B., and Kaman.

Karlsson, Per T., Smogen, Sweden. Wire-coiling machine. 2,580,792, Jan. 1.

Karow, George F., Saginaw, Mich. Power-transmitting mechanism for vehicles. 2,581,025, Jan. 1.

Karwelt, John W., Skokie, Ill., assignor, by mesne assignments to Ex-Cell-O Corporation, Detroit, Mich. Driller. 2,581,258, Jan. 1.

Katzman, Max, Brooklyn, N. Y. Vaporizer. 2,580,793, Jan. 1.

Kaye, Warren H.: *See*—
Konrad, Erich H., and Kaye.

Keen, William L., St. Louis, Mo. Automatic self-releasing and casting float. 2,581,259, Jan. 1.

Keen, William L., St. Louis, Mo. Fishing float. 2,581,260, Jan. 1.

Keest, Frank, Urbana, Ill. Standing step or platform. 2,581,027, Jan. 1.

Kehm, Alex, Grand Island, Nebr. Flow indicator. 2,580,928, Jan. 1.

Kell, Robert W.: *See*—
Bird, Paul G., Jacoby, and Kell.

Keller, John D., Pittsburgh, Pa., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Strip threading apparatus. 2,581,026, Jan. 1.

Kellogg, M. W., Co., The, assignee: *See*—
Birnbaum, Arnold.
Burton, William P., McGrath, and Rubin.

Kendrick, James R., Co., Inc., assignee: *See*—
Fox, George H.

Kennedy, James A., Ann Arbor Township, Washtenaw County, Mich. Vehicle traction device. 2,580,434, Jan. 1.

Kennedy-Van Saun Manufacturing & Engineering Corporation, assignee: *See*—
Niemitz, Gerhard.

Kenney, Edward J.: *See*—
Sowa, Frank J., and Kenney.

Kenngott, Robert L., Pleasantville, N. Y. Composite cam and cam follower mechanism. 2,581,109, Jan. 1.

Kent-Moore Organization, Inc., assignee: *See*—
Pfetzing, Henry V.

Kenworthy, Aurelia E., Kansas City, Mo. Adjustable leg rest for invalids. 2,581,110, Jan. 1.

Kidde Manufacturing Co., Inc., assignee: *See*—
Noe, Harold C.

Kimpton, William H., Wilmslow, England, assignor to Celanese Corporation of America. Counter and stop mechanism for textile machinery. 2,580,552, Jan. 1.

Kimura, Tsuchinojo, Los Angeles, Calif. Mortar spreader. 2,580,929, Jan. 1.

King, William N., and N. A. Romanchuk, Anoka, and R. Lynn, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Apparatus for making disintegrating top shot wads. 2,580,794, Jan. 1.

King, William V., Brooklyn, assignor to Spacarb, Inc., New York, N. Y. Beverage spigot. 2,580,553, Jan. 1.

Kirby, James B., West Richfield, assignor to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Washing machine. 2,580,435, Jan. 1.

Kirk, William M., Amarillo, Tex. Animal rubbing and oiling station or apparatus. 2,581,028, Jan. 1.

Kitchell, Eden T., assignor to J. E. Bush, Dallas, Tex. Work feeding and positioning mechanism. 2,580,795, Jan. 1.

Kitto, William H., Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,580,554, Jan. 1.

Kleiss, Eva B.: *See*—
Kleiss, Herman H. and E. B.

Kleiss, Herman H. and E. B., Chicago, Ill. Shopping bag. 2,580,796, Jan. 1.

Knee, Simon, Newark, N. J. Combined wallet and purse. 2,581,029, Jan. 1.

Knoblaugh, Armand F., assignor to The Baldwin Company, Cincinnati, Ohio. Pin bearing, material therefor, and making. 2,580,436, Jan. 1.

Knoblaugh, Armand F., assignor to The Baldwin Company, Cincinnati, Ohio. Bearing, bearing material, and fabricating bearings. 2,580,437, Jan. 1.

Knoblaugh, Armand F., assignor to The Baldwin Company, Cincinnati, Ohio. Bearing assembly. 2,580,438, Jan. 1.

Knox, Philander C., III, De Land, Fla. Rodent trap. 2,581,327, Jan. 1.

Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wall box fan. 2,580,797, Jan. 1.

Kock, Winston E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional acoustic system. 2,580,439, Jan. 1.

Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,580,440, Jan. 1.

Kögel, Wilhelm G., assignor, by mesne assignments, to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,580,441, Jan. 1.

Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration system. 2,580,442, Jan. 1.

Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,580,443, Jan. 1.

Kolbe, Joachim, Milwaukee, Wis. Vehicle with independent wheel suspension. 2,580,557, Jan. 1.

Kolbe, Joachim, Milwaukee, Wis. Caster and camber compensation for banking vehicles. 2,580,558, Jan. 1.

Kolbe, Joachim, Sussex, Wis. Inwardly banking vehicle employing forked banking arms. 2,580,559, Jan. 1.

Kolbe, Joachim, Sussex, Wis. Steering control for banking arm vehicles. 2,581,030, Jan. 1.

Kolfenbach, John J.: *See*—
Morway, Arnold J., and Kolfenbach.

Kolster, Frederick A., deceased, San Francisco, Calif.; M. Kolster, administratrix. Broad-band antenna system. 2,580,798, Jan. 1.

Kolster, Muriel, administratrix: *See*—
Kolster, Frederick A.

Konrad, Erich H., South Strafford, Vt., and W. H. Kaye, Lawrence, Mass., assignors to Sulphide Ore Process Company, Inc., New York, N. Y. Treating the electrolyte in the electrodeposition of iron. 2,580,681, Jan. 1.

Kost, Harold W., assignor to Prestole Corporation, Toledo, Ohio. Retainer device for tools. 2,580,930, Jan. 1.

Kraft, Russell E., Parsipany, and G. Washington, Jr., assignors to United Technical Laboratories, Morristown, N. J. Electrical test prod. 2,580,682, Jan. 1.

Krahler, Stanley E.: *See*—
Wirth, Walter V., and Krahler.

Kresky Mfg. Co., Inc., assignee: *See*—
Watts, Blaine C., Jr.

Kreuger, Pieter, Bussum, assignor to N. V. Moutsulkerindustrie & Extractiebedrijf Maltostase, Weesp, Netherlands. Capsules filled with aqueous solutions and preparing the same. 2,580,683, Jan. 1.

Kroeger, Blanche L., Danville, Calif. Cover arrangement for swimming pools and the like. 2,580,555, Jan. 1.

Kruzik, Arnošt, assignor to Bata Národní Podnik, Zlin, Czechoslovakia. Machine for the homogenization of plastic masses. 2,581,031, Jan. 1.

Kuemmerlein, Edward M., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Centrifugal governor. 2,580,556, Jan. 1.

Lacy, Benjamin F., and F. O. Reichardt, Columbus, Ohio, assignors to Pollock Paper Corporation, Dallas, Tex. Paper dispenser. 2,580,684, Jan. 1.

La Fleur, John, Poolville, N. Y. Extensible trailer cabin. 2,581,192, Jan. 1.

Lambeth Rope Corporation, assignee: *See*—
Landau, Alfred K.

Land, Anthony H.: *See*—
Sprague, James M., and Land.

Landau, Alfred K., Newtonville, assignor to Lambeth Rope Corporation, New Bedford, Mass. Tape for driving pulleys. 2,581,261, Jan. 1.

Landes, Chester G., New Canaan, and J. Studeny, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Protein adhesives containing dicyandiamide compounds as fluidizing agents. 2,581,111, Jan. 1.

Landes, Chester G., New Canaan, and J. Studeny, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Protein adhesives containing dicyanimide compounds as fluidizing agents. 2,581,112, Jan. 1.

Landes, Chester G., New Canaan, and J. Studeny, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Protein adhesives containing dicyanoguanidine compounds as fluidizing agents. 2,581,113, Jan. 1.

Landis Machine Company, assignee: *See*—
Smith, Nevin B.

Landsman, Wolf S., Brooklyn, N. Y. Coupling means for garment hanger racks. 2,581,032, Jan. 1.

Lane, Frank W., Elkton, Md., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Production of sebacic acid. 2,580,931, Jan. 1.

Lang, Joseph C., assignor to Bocji Corporation, Pittsburgh, Pa. Fastener forming and driving device. 2,580,444, Jan. 1.

Lang, Joseph C., assignor to Bocji Corporation, Pittsburgh, Pa. Tool for driving and setting blind fasteners. 2,581,262, Jan. 1.

Langrish-Smith, W. Edwin, assignee: *See*—
Shaw, Clifford, Smith, and Emblem.

Lanham, William E.: *See*—
Hexter, Joseph, and Lanham.

Lantry, Norman D., Hammond, Ind. Exercising device. 2,580,932, Jan. 1.

Larsen, Merwin J., Villa Park, Ill., assignor to Stromberg-Carlson Company. Echo pulse system utilizing the first received echo for control purposes. 2,580,560, Jan. 1.

Larson, Gilbert B., Geneva, and F. A. Kaman, Aurora, assignors to Independent Pneumatic Tool Company, Chicago, Ill. Axially offset, motor operated, impact-type wrench. 2,581,033, Jan. 1.

Larson, Harry G., Oakland, Calif. Sash mounting. 2,580,933, Jan. 1.

Larson, Leroy J., Bagley, Minn. Surgical device. 2,581,114, Jan. 1.

Lasch, Leopold: *See*—
Eastwood, Fred, Lasch, and Rogers.

Laster, Henry: *See*—
Snarck, Jack, and Laster.

Lattig, Charles L., deceased, by B. E. Ford, administrator, Columbus, Ohio, assignor to Link-Belt Company. Hydraulic pulsator transmission system for converting rotary motion into reciprocatory motion. 2,580,561, Jan. 1.

Lauterbach, Charles E., Pasadena, Calif. Revolving target. 2,580,799, Jan. 1.

Lavender, Anthony E., Hartford, Conn. Automobile radiator cleaning device. 2,580,800, Jan. 1.

Leavens, William B., Jr., West Orange, N. J. Boxmaking machine. 2,580,562, Jan. 1.

Le Compte, Frank M., Chatham, N. J., assignor to Curtiss-Wright Corporation. Forming damping structures. 2,581,193, Jan. 1.

Lehman, Maurice E., Harrisonburg, Va. Machine for distributing fertilizer material and the like. 2,581,263, Jan. 1.

Leigh, Ronald C.: *See*—
Walmsley, Thomas, and Leigh.

Leonard, William E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Making lustrous steel music wire. 2,580,801, Jan. 1.

Le Roi Company, assignee: *See*—
Feucht, Jacob E.

Lester, John M., Hempstead, and R. L. Thompson, Mineola, N. Y. Radio tuning system. 2,581,194, Jan. 1.

Leu, Carl P., assignee: *See*—
Wold, Clarence W.

Leu, Martin A., assignee: *See*—
Wold, Clarence W.

Levesque, George N., Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company. Gauge. 2,581,264, Jan. 1.

Levin, Isadore, Washington, D. C. Disposable toilet seat cover. 2,580,563, Jan. 1.

Levkoff, David, Great Neck, N. YY. Machine for setting-up cartons. 2,581,115, Jan. 1.

Levy, Robert M.: *See*—
Schur, Milton O., and Levy.

Lewis, Albert M., Detroit, Mich. Apparatus for fermenting sponge dough. 2,581,034, Jan. 1.

Lewis, Courtney R., Mount Holly, Ark. Test light and socket therefor. 2,581,116, Jan. 1.

Lewis, Leonda L.: *See*—
Bachman, Gustave B., and Lewis.

Lieberknecht, Karl, Inc., assignee: *See*—
Smetana, Otto F.

Lindberg, Peter H., Detroit, Mich. Tank inlet and outlet seal. 2,580,802, Jan. 1.

Link-Belt Company, assignee: *See*—
Lattig, Charles I.

Lionel Corporation, The, assignee: *See*—
Bonanno, Joseph L.
Bonanno, Joseph L., and Beger.
Pettit, Frank.

Liquidometer Corporation, The, assignee: *See*—
Edelman, Abraham.

Liston, Marcia B., assignee: *See*—
Bentley, Clarence H.

Little, Arthur D., Inc., assignee: *See*—
Follett, Robert P., and Murray.

Llewellyn, W. J., Limited, assignee: *See*—
Heath, Harold F.

Lobenthal, Michael S.: *See*—
Harris, Frederic R.

Lofgren, Gustaf E., Riverside, assignor to Electrolux Corporation, Old Greenwich, Conn. Suction cleaner. 2,580,644, Jan. 1.

Logan, George R., Belleville, Ontario, assignor to Northern Electric Company, Limited, Montreal, Quebec, Canada. Phase measuring device. 2,580,803, Jan. 1.

Long, Robert W.: *See*—
Doumani, Thomas F., and Long.

Longley, Raymond I., Jr.: *See*—
Emerson, William S., and Longley.

Longworth, John, Haddon Heights, N. J. Depth-of-groove gauge. 2,580,445, Jan. 1.

Lord, Leonard P., Storridge, near Malvern, assignor to The Austin Motor Company Limited, Northfield, Birmingham, England. Device for operating fastenings for doors of vehicles. 2,581,265, Jan. 1.

Love, Angus, and Gyorgy Sik (known as George Sik), assignors to Baldwin Instrument Company Limited, Dartford, Kent, England. Apparatus for measuring extension of ferromagnetic material during rolling. 2,580,934, Jan. 1.

Love, Robert M., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treatment of cracked napthas with a hypochlorite followed by an alkali sulfide. 2,581,117, Jan. 1.

Lovelace, Cleo, Los Angeles, assignor of one-half to H. T. Edwards, Glendale, Calif. Folding baby chair and tray. 2,580,935, Jan. 1.

Lovell, Clarence A., Summit, N. J., and D. B. Parkinson, Cleveland Heights, Ohio, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Harmonic generator. 2,580,446, Jan. 1.

Lubic, George, assignee: *See*—
Miller, William S.

Luce, Richard W., assignee: *See*—
Engstrom, Henry O., and Luce.

Ludlow, Edmund, Columbus, Ind., assignor to Arvin Industries, Inc. Muffler with tuned side branch silencing chambers. 2,580,564, Jan. 1.

Ludwig, Norman C., Chicago, Ill., assignor to Universal Atlas Cement Company. Retarded cement. 2,580,565, Jan. 1.

Lukens Steel Company, assignee: *See*—
Donato, Dominick J.

Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical brush contact device. 2,581,266, Jan. 1.

Lutz, Samuel G., University Heights, N. Y. Time recording system. 2,580,447, Jan. 1.

Lyijynen, Fred, assignor to Briggs Manufacturing Company, Detroit, Mich. Trim panel and making the same. 2,581,195, Jan. 1.

Lynn, Ralph: *See*—
King, William N., Romanchuk, and Lynn.

Lytle, Orville C., assignor of one-half to William H. Cambell, Kittanning, Pa. Laterally adjustable oscillating hoe. 2,580,936, Jan. 1.

Maat, Marinus, Paramaribo, Dutch West Indies. Vehicle drive control mechanism. 2,580,449, Jan. 1.

MacCracken, William P., Jr., trustee, assignee: *See*—
Broussard, Robert.

MacHenry, Richard, Prospect Park, and C. A. Martin, Boothwyn Heights, Pa., assignors to American Viscose Corporation, Wilmington, Del. Bra forming device. 2,580,566, Jan. 1.

Macpherson, Ronald H., Woodbury, N. J., assignor to General Electric Company. Electronic relay arrangement for protecting power systems. 2,581,196, Jan. 1.

Madland, Gabriel, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Weathertight sliding car door. 2,580,804, Jan. 1.

Madson, Andrew B., Los Angeles, Calif. Louver construction. 2,580,937, Jan. 1.

Magnus, Edward R., assignor to Snowhill Manufacturing Company, St. Louis, Mo. Preventing entrainment of liquid refrigerant with refrigerant gas. 2,580,805, Jan. 1.

Main, Thomas C., Beaumont, Tex., assignor to Standard Oil Development Company. Controlling temperatures in a fluidized catalyst hydrocarbon synthesis process. 2,581,118, Jan. 1.

Majewski, Walter, Norwood Park, Ill. Face powder dispensing receptacle. 2,581,267, Jan. 1.

Malcom, Glen, assignor to Reeves Pulley Company, Columbus, Ind. Constant tension control. 2,581,328, Jan. 1.

Malherbe, Benjamin F.: *See*—
Oliver, Edward M., and Malherbe.

Malina, Louis E., Philadelphia, Pa., assignor to Eugene J. Houdry. Deposition of a metal oxide catalyst on a carrier. 2,580,806, Jan. 1.

Mansfield Engineering Company, assignee: *See*—
Mansfield, Vaughn.

Mansfield, Vaughn, Whitehaven, assignor to Mansfield Engineering Company, Memphis, Tenn. Combustion air feeding structure for oil-burning locomotives. 2,580,807, Jan. 1.

Mantes, T. R., assignee: *See*—
Brown, Robert B.

Mantes, T. R., Co., assignee: *See*—
Brown, Robert B.

Mapes, Daniel, West Caldwell, and W. A. V. Thomsen, Glen Ridge, assignors to Specialties Development Corporation, Belleville, N. J. Portable fire extinguishing apparatus. 2,580,448, Jan. 1.

Marchand, Adamir, La Chaux de Fonds, Switzerland, assignor to Benrus Watch Company, Inc., New York, N. Y. Calendar timepiece. 2,581,268, Jan. 1.

Marcks, O. D., assignee: *See*—
Carlson, Emil.

Marks, Henry C., Glen Ridge, and F. B. Strandskov, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Procedure for disinfecting aqueous liquids with bromine. 2,580,808, Jan. 1.

Marks, Henry C., Glen Ridge, and F. B. Strandskov, Clifton, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Procedure for purifying aqueous liquid. 2,580,809, Jan. 1.

Martin, Charles A.: *See*—
MacHenry, Richard, and Martin.

Martin, Earnest E., Pasadena, assignor to Universal Properties Inc., Los Angeles, Calif. Container filling system. 2,580,567, Jan. 1.

Martin, Gustav J., and J. Wilkinson, assignors to The National Drug Company, Philadelphia, Pa. Anion exchange resin antacid. 2,581,035, Jan. 1.

Martin, Joseph G., Harrisburg, Pa. Policeman's portable traffic signal device. 2,580,938, Jan. 1.

Martin, W. H., assignee: *See*—
Wahle, Adolph.

Martinsen, Nikolai, Palo Alto, Calif. Detachable spout for containers. 2,580,811, Jan. 1.

Masonite Corporation, assignee: *See*—
Varner, Alvie E.

Materials Transportation Company, assignee: *See*—
Avery, Fred J.

Mathes, Robert C., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Color television with reduced band width. 2,580,685, Jan. 1.

Mathis, Howard D., Edwardsville, Ill. Automatic sprinkler. 2,580,810, Jan. 1.

Matteoli, Albert J., Sacramento, Calif. Asparagus harvester. 2,581,119, Jan. 1.

Matthews, Robinson E., Brevard, N. C., and W. D. Harrison, Milford, N. J., assignors to Ecusta Paper Corporation. Cigarette paper. 2,580,568, Jan. 1.

Matuszak, Alfred H., Jersey City, N. J., assignor to Standard Oil Development Company. Rust inhibiting composition. 2,581,120, Jan. 1.

Mavor and Coulson, Limited, assignee: *See*—
Mavor, John B.
Sproul, John C.

Mavor, John B., assignor, by mesne assignments, to Mavor and Coulson, Limited, Glasgow, Scotland. Mining machine. 2,580,569, Jan. 1.

May, Edward M., assignor to Meco-Pilot Manufacturing Company, Detroit, Mich. Hydraulic system comprising a servomotor of the follow-valve type and improved control means therefor. 2,580,686, Jan. 1.

McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Smooth-textured lithium-base greases. 2,580,570, Jan. 1.

McCartney, Robert L., Renton, Wash. Rocking horse. 2,581,269, Jan. 1.

McCurdy, William N., Jr., Elizabeth, and J. V. Whittlesey, Roselle, N. J., assignors to Standard Oil Development Company. Changing baffle pitch in a heat exchanger. 2,581,121, Jan. 1.

McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Doffing arrangement for spinning buckets. 2,580,571, Jan. 1.

McDowall, Charles J.: *See*—
Hazen, Ronald M., and McDowall.

McEwan, James, San Jose, Calif. Saw holder. 2,580,812, Jan. 1.

McFadden, Harry M., assignor to Boeing Airplane Company, Wichita, Kans. Hydraulically controlled adjustable back rest for seats and chairs. 2,581,197, Jan. 1.

McGrath, Henry G.: *See*—
Burton, William P., McGrath, and Rubin.

McGreal, Martin E.: *See*—
Niederl, Joseph B., V., and McGreal.

McGrew, Robert R.: *See*—
Ryan, George R., and McGrew.

McIlhinney, Evelyn, Ottawa, Ontario, Canada. Brassière. 2,581,036, Jan. 1.

McMillan, Charles E., Alton, Ill. Mount for candlestick lubricators for car and locomotive wheel flanges. 2,580,687, Jan. 1.

McMillan, Wallace A., Glenham, assignor to The Texas Company, New York, N. Y. Internal-combustion engine. 2,580,572, Jan. 1.

McNeely, Lowell, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,581,122, Jan. 1.

McNulty, Carrell S., and Carrell S. McCarthy, Jr., Westport, Conn. Sign. 2,580,688, Jan. 1.

McNulty, Carrell S., Jr.: *See*—
McNulty, Carrell S., and Carrell S. McCarthy, Jr.

McNulty, John V., assignor to General Laboratory Associates, Inc., Norwich, N. Y. Magnetically fired ignition device. 2,580,689, Jan. 1.

McPhail, Silas F., Windsor, Ontario, Canada. Grain saving device for threshing machines. 2,581,198, Jan. 1.

McVey, Elden N., Ashtabula, Ohio. Variable abrasive belt backup wheel. 2,581,270, Jan. 1.

Meco-Pilot Manufacturing Company, assignee: *See*—
May, Edward M.

Melli, Ernst, Bad Ragaz, assignor to Elektro-Watt Elektrische und Industrielle Unternehmungen A. G., Zurich, Switzerland. Photoelectric device for indicating the diminution of light. 2,581,271, Jan. 1.

Meissner, Harold G., Mount Vernon, and G. P. Jackson, Flushing, assignors to Combustion Engineering-Superheater, Inc., New York, N. Y. Feeder apparatus for spreader stokers. 2,581,037, Jan. 1.

Melcher, Walter P., and H. H. Voelz, Chicago, Ill., assignors to The Rauland Corporation. Cathode-ray tube sealing apparatus. 2,580,450, Jan. 1.

Meriam, Joseph B., Lakewood, Ohio. Article support and relatively adjustable gas burner. 2,580,939, Jan. 1.

Merkel, Charles M., and T. E. Wright, Leland, Miss., dedicated to the free use of the People in the Territory of the United States. Stick remover for seed cotton extracting machines. 2,580,451, Jan. 1.

Merkle, Bernard J., Chicago, Ill. Gear casing. 2,581,123, Jan. 1.

Merklinger, John J., assignor to Philco Corporation, Philadelphia, Pa. Radio apparatus. 2,580,690, Jan. 1.

Merrow Machine Company, The, assignee: *See*—
Pierce, Bernard N.

Metal & Thermit Corporation, assignee: *See*—
Church, James M., and Johnson.

Metz, Paul F.: *See*—
Kahn, Bertrand B., and Metz.

Meyer, Herman, Long Beach, Calif. Portable packoff tool for tubing. 2,580,573, Jan. 1.

Middendorf, Leonard, Frankfurt (Main)-Hoechst, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfurt (Main), Germany. Choline preparations. 2,581,038, Jan. 1.

Midwest Engineering & Equipment Co., assignee: *See*—
Watkins, John E.

Miller, Alfred J., Garwood, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Fluid control system. 2,580,691, Jan. 1.

Miller, Gustave L., Geneseo, Ill. Apparatus for use with tractors and cultivators. 2,580,813, Jan. 1.

Miller, James H., Norfolk, Va. Automatic control system for aircraft retractable landing gear. 2,580,452, Jan. 1.

Miller, John A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Automatic shoe machine. 2,581,272, Jan. 1.

Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Circuits employing germanium diodes as active elements. 2,581,273, Jan. 1.

Miller, William S., assignor of fifty per cent to G. Lubic, Youngstown, Ohio. Apparatus for continuously marking metal objects. 2,580,574, Jan. 1.

Millstein, Jacob H., Jeannette, Pa. Candy dispensing toy pump. 2,581,039, Jan. 1.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Gille, Willis H.

Mitchell, Henry R.: *See*—
Broadbent, John H., and Mitchell.

Mix, Edwin S., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Necktie clasp. 2,581,274, Jan. 1.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel feed responsive to air pressure and temperature, fuel flow, and speed for gas turbines. 2,581,275, Jan. 1.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel feed and power control system for gas turbines, jet propulsion, and the like. 2,581,276, Jan. 1.

Moe, Robert E., Syracuse, N. Y., assignor to General Electric Company. Sawtooth wave generator. 2,581,199, Jan. 1.

Moe, William W., Stratford, Conn., assignor to Time, Incorporated, New York, N. Y. Modulation system. 2,580,692, Jan. 1.

Moe, William W., Stratford, Conn., assignor to Time, Inc., New York, N. Y. Alternating-voltage compression network. 2,581,124, Jan. 1.

Moir, Evelyn: *See*—
Murad, B Bill, and Moir.

Molins, Desmond W., and F. F. Ruau, Deptford, assignors to Molins Machine Company Limited, London, England. Length sorting device. 2,580,940, Jan. 1.

Molins Machine Company Limited, assignee: *See*—
Molins, Desmond W., and Ruau.

Monitor Controller Company, The, assignee: *See*—
Frese, Joseph F.

Monsanto Chemical Company, assignee: *See*—
Butler, John M.
Chapin, Earl C.
Dazzi, Joachim.
Emerson, William S., and Longley.
Emerson, William S., and Patrick.

Montclair Research Corporation, assignee: *See*—
Rust, John B., and Pfeifer.

Mooney, Melvin, Mountain Lakes, N. J., and L. E. Copeland, Des Plaines, Ill., assignors to United States Rubber Company, New York, N. Y. Vibration isolating support. 2,580,815, Jan. 1.

Morawski, London T.: *See*—
Parker, John J., and Morawski.

Moreno, Theodore: *See*—
Hansen, William W., and Moreno.

Morgenthaler, Gottlieb J., Philadelphia, Pa. Oil filter. 2,581,277, Jan. 1.

Morin, Louis H., Bronx, N. Y. Forming plastic castings with metallic inserts. 2,580,816, Jan. 1.

Morley, Maurice C., Brooklyn, N. Y. Window wiper. 2,580,814, Jan. 1.

Morrison, Howard L., Boise, Idaho, assignor to Radio Corporation of America. Polarity-switching output circuit for wide-band video amplifiers. 2,580,941, Jan. 1.

Morrison, Samuel O., Pine Ridge, Media, Pa., assignor to Sunroc Refrigeration Company, Dover, Del. Filter and temperature control. 2,581,125, Jan. 1.

Morse Chain Company, assignee: *See*—
Riopelle, Earl F.

Morton, Henry E., Muskegon Heights, Mich. Flash removing machine. 2,580,817, Jan. 1.

Morway, Arnold J., Clark Township, and J. J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company. Extreme pressure lubricating grease. 2,581,126, Jan. 1.

Morway, Arnold J., Rahway, and J. J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company. High-temperature lubricating grease. 2,581,127, Jan. 1.

Moutsuikerindustrie, N. V., & Extractiebedrijf Maltostase, assignee: *See*—
Kreuger, Pieter.

Mozur, Kasimier W., Erie, Pa. Gear train. 2,581,128, Jan. 1.

Muckler, Frank, Sappington, assignor to Southern Equipment Company, St. Louis, Mo. Drain valve for sinks and the like. 2,580,575, Jan. 1.

Mueller, John, deceased, by A. Whittaker, administratrix, North Bergen, N. J., assignor to Remington Rand Inc., New York, N. Y. Combined tabulator and summary punch. 2,580,693, Jan. 1.

Muldoon, Bernard F., Verona, N. J., assignor to H. Hyman, New York, N. Y. Portable electric flashlight with retractable mount for auxiliary lamps. 2,581,129, Jan. 1.

Mullenbach, William, Charles City, Iowa. Cam actuated adjustable mold clamp. 2,581,040, Jan. 1.

Munding, Louis H., Jr.: *See*—
Smith, George T.

Mundy, Paul A., and C. A. Bashford, said Mundy assignor to said C. A. Bashford, Detroit, Mich., doing business as Bashford Machine Company. Connector for conduits. 2,580,818, Jan. 1.

Munroe, David J., assignor to Webster Electric Company, Racine, Wis. Dual stylus phonograph pickup. 2,580,694, Jan. 1.

Munter, Casimir J., St. Clair Township, Allegeheny County, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Abrasive detergent composition. 2,581,278, Jan. 1.

Murad, B Bill, Cleveland, and E. Moir, Lakewood, Ohio. Portable wading pool. 2,580,942, Jan. 1.

Murata, Yoshiko, Honolulu, Territory of Hawaii. Pickling. 2,580,943, Jan. 1.

Muri, Homer T., assignor of one-half to F. A. Collins, Kansas City, Mo. Juvenile seating device. 2,581,279, Jan. 1.

Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Converting carbonhydrates into bituminous substances. 2,581,130, Jan. 1.

Murray, Peter R., and D. C. Bright, Dayton, Ohio, assignors to United States of America as represented by the Secretary of War. Remote-control system for aircraft. 2,580,453, Jan. 1.

Murray, Wallace J.: *See*—
Follett, Robert P., and Murray.

Musser, Clarence W., Philadelphia, Pa. Combination drawing die and stripper. 2,580,454, Jan. 1.

Musso, Marcel, Paris, France. Electric regulator incorporating piled up carbon elements. 2,581,280, Jan. 1.
Myers, Joe T., U. S. Navy. Air valve. 2,580,455, Jan. 1.
Myers, Robert R., Jr., Des Moines, Iowa. Registering multicolor printing plates. 2,580,576, Jan. 1.
Nagy, Charles E., Newark, Ohio. Bracket for attaching index cards to telephones. 2,580,819, Jan. 1.
Naily, David A., Downey, Calif. Windshield wiper balancer. 2,580,577, Jan. 1.
Naranick, Nicholas T., Chicago, Ill. Combination container package and heating device. 2,581,131, Jan. 1.
Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Automatic starting control. 2,580,820, Jan. 1.
National Acme Company, The, assignee: *See*
Drissner, Alfred E., and Beacom.
National Aluminate Corporation, assignee: *See*
Bird, Paul G., Jacoby, and Kell.
Jacoby, Arthur L.
National Cash Register Company, The, assignee: *See*
Green, Barrett K.
National Drug Company, The, assignee: *See*
Martin, Gustav J., and Wilkinson.
Navy, United States of America as represented by the Secretary of the, assignee: *See*
Broadbent, John H., and Mitchell.
Gould, Albert S.
Pitman, Richard W.
Pound, Robert V.
Prescott, Herbert L.
Shaw, Charles H.
Neenan, John L., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Combination disk and impact grinding mill. 2,580,579, Jan. 1.
Nelson, Alden W.: *See*
Entwistle, James L., and Nelson.
Nelson, Henry E., Everett, Wash. Oil burner. 2,580,578, Jan. 1.
Nelson, Mildred P., assignee: *See*
Polsen, Samuel D., and Nelson.
Nelson, Roy F., A. J. Deutser, and M. R. Hefty, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Lubricating oil. 2,581,132, Jan. 1.
Nelson, Sven H.: *See*
Polsen, Samuel D., and Nelson.
Nelson, Vivian M., assignee: *See*
Polsen, Samuel D., and Nelson.
Nemeth, Steffen P., Chicago, Ill. Kinetic energy coaster for bicycles. 2,580,944, Jan. 1.
Newell, James R., Creston, Iowa. Printing machine for small articles. 2,581,281, Jan. 1.
Newman, Melvin S., assignor to Ohio State University Research Foundation, Columbus, Ohio. 1-hydroxy-6-alkoxy-4-methylhexene-4-yne-2 and lower fatty acid esters thereof. 2,581,282, Jan. 1.
Newman, Melvin S., assignor to The Ohio State University Research Foundation, Columbus, Ohio. Halo-alkoxyhexene-ynes. 2,581,283, Jan. 1.
Newman, Melvin S., assignor to The Ohio State University Research Foundation, Columbus, Ohio. 1-halo-6-alkoxy-4-methylhexadiene-2,4 and prepaartion thereof. 2,581,284, Jan. 1.
New Products Corporation, assignee: *See*
Banker, Oscar H.
Newton, Alwin B., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Compressor control. 2,581,329, Jan. 1.
Nicola, Toufick, Montclair, N. J. Spring impactor bone plate. 2,580,821, Jan. 1.
Nicolle, Charles, Gentilly, France. Powder-sprinkling apparatus. 2,580,580, Jan. 1.
Niederhauser, Warren D., assignor to Rohm & Haas Company, Philadelphia, Pa. Alpha, alpha'-dithiodialdehydes. 2,580,695, Jan. 1.
Niederl, J. B., and Associates, Inc., assignee: *See*
Niederl, Joseph B. and V., and McGreal.
Niederl, Joseph B., Brooklyn, V. Niederl, Round Top, N. Y., and M. E. McGreal, Somersworth, N. H., assignors to J. B. Niederl and Associates, Inc., New York, N. Y. Quaternary ammonium salts of morpholyl ethers. 2,581,285, Jan. 1.
Niederl, Victor: *See*
Niederl, Joseph B. and V., and McGreal.
Niemann, Arthur W., Millington, assignor to Sound Apparatus Company, Stirling, N. J. Graphic recorder with sliding coils. 2,581,133, Jan. 1.
Niemitz, Gerhard, assignor to Kennedy-Van Saun Manufacturing & Engineering Corporation, New York, N. Y. Method and apparatus for handling finely divided materials. 2,580,581, Jan. 1.
Nix, Grover C., Thomaston, assignor to J. L. Sinback, McDonough, Ga. Mote knife bracket. 2,580,582, Jan. 1
Noble & Wood Machine Company, The, assignee: *See*
Roberson, Cyrus E.
Noe, Harold C., Upper Montclair, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Packaging machine. 2,580,456, Jan. 1.
Noe, Jerre D., assignor to Hewlett-Packard Company, Palo Alto, Calif. Amplifier network. 2,580,822, Jan. 1.
Noelle, Conrad J., assignor to American Optical Company, Southbridge, Mass. Artificial eye. 2,580,583, Jan. 1.
Noma Electric Corporation, assignee: *See*
Kahn, Bertrand B., and Metz.
Noonan, John K.: *See*
Helms, Laurence C. and T. R., Tungett, and Noonan.
Norbom, Ragnar A., New York, N. Y., assignor, by mesne assignments, to B. F. Fitch, Newport, R. I. Nozzle construction for use in the pneumatic handling of flour and the like. 2,580,823, Jan. 1.
Norris, Stanley E., Grove City, Ohio, assignor to the United States of America as represented by the Secretary of the Interior. Measurement apparatus. 2,580,457, Jan. 1.
Northern Electric Company, Limited, assignee: *See*
Logan, George R.
Northrop Aircraft, Inc., assignee: *See*
Ackerlind, Erik.
Norton, Charles W., West Orange, N. J., assignor to Ralph C. Coxhead Corporation, New York, N. Y. Typewriter carriage spacing control. 2,581,200, Jan. 1.
Norton Company, assignee: *See*
Indge, Herbert S.
Novak, Joseph N., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Engine fuel system. 2,580,696, Jan. 1.
Nowak, Ralph E., Glendale, assignor to R & E Engineering Company, Los Angeles, Calif. Garage door locking mechanism. 2,580,584, Jan. 1.
Nutter, Farr, Winchester, Va. Window with sliding panes. 2,580,945, Jan. 1.
O'Brien, William J.: *See*
Schwarz, Harvey F., and O'Brien.
Odell, William W., Washington, D. C., assignor to Standard Oil Development Company. Apparatus for contacting solids and gases. 2,581,134, Jan. 1.
Odell, William W., Elizabeth, N. J., assignor to Standard Oil Development Company. Removal of oxidizable sulfur compounds from a hydrocarbon gas mixture. 2,581,135, Jan. 1.
Odin, Eugene A., Chicago, Ill. Adjustable block. 2,580,585, Jan. 1.
Oehler, William P., assignor to Deere & Company, Moline, Ill. Speed responsive device for planters. 2,581,286, Jan. 1.
Ogorzaly, Henry J., Summit, and W. A. Rex, Westfield, N. J., assignors to Standard Oil Development Company. Utilization of heat of finely divided solids. 2,581,041, Jan. 1.
O'Harrow, Charles T.: *See*
Strehlow, Walter F., O'Harrow, and Park.
Ohio State University Research Foundation, The, assignee: *See*
Newman, Melvin S.
Oliver, Bernard M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Image dissector tube. 2,580,697, Jan. 1.
Oliver, Edward M., and B. F. Malherbe, Denver, Colo., assignors to Homs, Inc. Handle for containers. 2,580,824, Jan. 1.
O'Reilly, Joseph A., Bellingham, Wash. Paper box. 2,580,586, Jan. 1.
Orloff, George, Cheltenham, assignor to Electro-Hydraulics Limited, Warrington, England. Shock absorbing means. 2,580,825, Jan. 1.
Orshansky, Elias, Jr., and T. W. Southack, Stamford, Conn., and B. Kahn, New York, N. Y., assignors to The Acrotorque Company, Stamford, Conn. Driving mechanism and control system therefor. 2,580,946, Jan. 1.
Osburn, Everett H., and R. Walklin, Phoenix, Ariz. Evaporative cooler. 2,580,826, Jan. 1.
Ostevik, Petter P., Molde, Norway. Calendar work for clocks and watches. 2,580,458, Jan. 1.
Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic charge-recording telephone system. 2,581,287, Jan. 1.
Otis, R. H., assignee: *See*
Hodges, Elmer L.
Otto, Ferdinand P., Woodbury, and R. W. Barrett, Sewell, N. J., assignors to Socony-Vacuum Company, Incorporated. Mineral oil composition containing a polymericalkyl metaphosphimate. 2,580,587, Jan. 1.
Otto, Stuart, New York, N. Y. Nail packaging machine. 2,581,042, Jan. 1.
Owens, Jesse C., Los Angeles, Calif. Antisiphon silencer for ball cocks. 2,581,043, Jan. 1.
Pacific Laboratories, Inc., assignee: *See*
Biery, Galen A.
Pacillo, Ferdinando J., Chicago, Ill. Tooth powder dispenser. 2,580,947, Jan. 1.
Pagenkemper, Arthur H., Glenolden, and B. S. Cain, Erie, Pa., assignors to General Steel Castings Corporation, Granite City, Ill., and General Electric Company, Schenectady, N. Y. Railway drop coupler and draft gear. 2,580,588, Jan. 1.
Paillard S. A., Sainte-Croix, assignee: *See*
Ascoli, Enzo.
Pancake, Paul C., Huntington, W. Va. Anchoring device for signposts. 2,580,948, Jan. 1.
Papa, Domenick: *See*
Sperber, Nathan, Papa, and Schwenk.

Papa, Domenick, Brooklyn, N. Y., and E. Schwenk, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Production of halogenated aryl fatty acids. 2,580,459, Jan. 1.
Parcells, M. Lloyd, assignee: *See*
Anderson, Bryan.
Park, George W.: *See*
Strehlow, Walter F., O'Harrow, and Park.
Parker, John J., and L. T. Morawski, Detroit, Mich. Workholder. 2,580,949, Jan. 1.
Parker Pen Company, The, assignee: *See*
Frentzel, Herman C.
Parkinson, David B.: *See*
Lovell, Clarence A., and Parkinson.
Parsons, John B., Maumee, Ohio. Switch mechanism. 2,580,950, Jan. 1.
Patrick, Tracy M., Jr.: *See*
Emerson, William S., and Patrick.
Patterson, V. C., & Associates, Inc., assignee: *See*
Patterson, Velt C.
Patterson, Velt C., assignor to V. C. Patterson & Associates, Inc., York, Pa. Refrigeration control apparatus. 2,581,330, Jan. 1.
Patton, Temple C., and L. J. Jubanowsky, Mountainside, assignors to The Baker Castor Oil Company, Jersey City, N. J. Stabilization of vinyl halide polymers. 2,580,460, Jan. 1.
Pavelle Color Incorporated, assignee: *See*
Pavelle, Leo.
Pavelle, Leo., Mount Vernon, assignor to Pavelle Color Incorporated, New York, N. Y. Projection printer. 2,581,136, Jan. 1.
Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Kiln for regenerating absorbents. 2,580,827, Jan. 1.
Pearce, William L., Houston, Tex. Pipe holding slip. 2,580,828, Jan. 1.
Pearl, Irvin A., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis. Ultraviolet-radiation impervious wrapping material. 2,580,461, Jan. 1.
Peck, Carlton F.: *See*
Tandler, William S., Fleuriot, and Peck.
Peck, William J., West Lebanon, N. H. Automobile jack. 2,580,829, Jan. 1.
Peckat, Charles, Manufacturing Company, assignee: *See*
Schlagel, Huntington R.
Pelle, Stephen, New York, N. Y. Combination or key operable door lock. 2,580,830, Jan. 1.
Pelouch, James J., assignor, by mesne assignments, to H. C. Schott, Cleveland, Ohio. Vehicle holding structure. 2,581,137, Jan. 1.
People in the Territory of the United States, dedicated to the free use of the, assignee: *See*
Merkel, Charles M., and Wright.
Perlman, Henry S., assignor, by mesne assignments, to H. S. and P. E. Perlman, doing business as Hill-Shaw Company, Chicago, Ill. Electric hot plate. 2,580,698, Jan. 1.
Perlman, Paul E.: *See*
Perlman, Henry S.
Persak, George, Jr., Verona, assignor to J. Wiss & Sons Co., Newark, N. J. Long-handled grass shears. 2,580,831, Jan. 1.
Pescara, Raul P., Cap d'Antibes, France. Combustion chamber for internal-combustion engines. 2,580,951, Jan. 1.
Peskin, David L., assignee: *See*
Sloan, Abraham.
Pestel, Juliette S., Soissons, France. Sound film recording or reproducing device. 2,580,952, Jan. 1.
Peters, Maurice C.: *See*
Adams, Harold B., and Peters.
Pettit, Frank, Union, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy flatcar. 2,581,201, Jan. 1.
Pfeffer, Edward C., Jr.: *See*
Bramfitt, Thomas A., and Pfeffer.
Pfeifer, Charles W.: *See*
Rust, John B., and Pfeifer.
Pfetzing, Henry V., Jackson, assignor to Kent-Moore Organization, Inc., Detroit, Mich. Apparatus for viewing the undercarriage of a vehicle. 2,580,699, Jan. 1.
Pfleger, Fred W., and G. E. Canham, West Orange, N. J. Chain assembly. 2,580,589, Jan. 1.
Philadelphia Rust-Proof Co., assignee: *See*
Heiman, Samuel.
Philco Corporation, assignee: *See*
Merklinger, John J.
Phillips, Norman W. F., Arvida, assignor to Aluminium Laboratories Limited, Montreal, Quebec, Canada. Furnace discharge apparatus. 2,580,700, Jan. 1.
Phillips Petroleum Company, assignee: *See*
Bailey, Grant C., and Reid.
Fleming, Harold W.
Pierce, Bernard N., Avon, assignor to The Merrow Machine Company, Hartford, Conn. Cam mechanism. 2,580,953, Jan. 1.
Pietruszka, Edward W., Morristown, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparation of nitrilotrispropionamide. 2,580,832, Jan. 1.
Piper, Frank R., and J. M. Gardner, Fairfax, Ala., assignors to West Point Manufacturing Company, West Point, Ga. Packaging machine. 2,580,833, Jan. 1.
Pitman, Richard W., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of the Navy. Torpedo director. 2,581,138, Jan. 1.
Pletcher, John W., Jr., South Bend, Ind. Resilient screw fastener. 2,581,288, Jan. 1.
Pollock Paper Corporation, assignee: *See*
Lacy, Benjamin F., and Reichardt.
Polsen, Blanche H., assignee: *See*
Polsen, Samuel D., and Nelson.
Polsen, Samuel D., and S. H. Nelson, Fairfield, assignors of one-half to V. M. Nelson, Bridgeport, and one-quarter to B. H. Polsen and one-quarter to M. P. Nelson, Fairfield, Conn. Coin selector. 2,580,590, Jan. 1.
Post, Anne C., executrix: *See*
Clifford, Walter B.
Post, Donald B., Collingswood, N. J., assignor to Radio Corporation of America. Multistage variable-saturation tuning system and apparatus. 2,581,202, Jan. 1.
Poult, Robert J., Lyon, assignor to Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), Venisseux (Rhone), France. Jet engine having a plurality of turbo-compressors operable in parallel or in series. 2,580,591, Jan. 1.
Pound, Robert V., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Apparatus for broad-band radio transmission. 2,580,592, Jan. 1.
Prentice, Ralph W.: *See*
Hamilton, Francis E., Seeber, and Prentice.
Prescott, Herbert L., Sharon, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Depth control system for torpedos. 2,580,834, Jan. 1.
Prestole Corporation, assignee: *See*
Kost, Harold W.
Prevost, Bruno E., North Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Disk nozzle shower device. 2,581,289, Jan. 1.
Printing and Allied Trades Research Association, The, assignee: *See*
Banks, William H., and Upton.
Procter & Gamble Company, The, assignee: *See*
Wood, Richard C.
Prophet, James, Jr., Cranford, N. J., assignor to Standard Oil Development Company. Improving the quality of naphthenic acids. 2,581,139, Jan. 1.
Przybylski, Daniel F., Winona, Minn. Sight for trench excavators. 2,580,954, Jan. 1.
Przybylski, Daniel F., Winona, Minn. Speed reduction unit. 2,580,955, Jan. 1.
Publicker Industries Inc., assignee: *See*
Wilder, Richard S., and Herman.
Pullman-Standard Car Manufacturing Company, assignee: *See*
Brack, Joseph L.
Purcell, Howard M., Philadelphia, Pa., assignor to H-P-M Development Corporation, Wilmington, Del. Surge valve. 2,581,290, Jan. 1.
Purdue Research Foundation, The, assignee: *See*
Bachman, Gustave B., and Lewis.
Pure Oil Company, The, assignee: *See*
Bell, Richmond T.
Putnam, Nelson E., Grosse Ile, assignor to General Motors Corporation, Detroit, Mich. Door check and hold open. 2,580,593, Jan. 1.
Puttre, Ferdinand, Brooklyn, N. Y. Meat market. 2,581,140, Jan. 1.
Pye Limited, assignee: *See*
Weighton, Donald.
Pyle-National Company, The, assignee: *See*
Raider, George K.
Quick, Lloyd: *See*
Burns, Raymond W., and Quick.
Quick-Change Carriers, Inc., assignee: *See*
Barrett, Leon.
Quick-Way Truck Shovel Co., assignee: *See*
Smith, Luke E.
R & E Engineering Company, assignee: *See*
Nowak, Ralph E.
Radio Corporation of America, assignee: *See*
Achenbach, John C.
Anderson, Earl I.
Dodds, Wellesley J.
Evans, John E.
Iams, Harley.
Miller, William A.
Morrison, Howard L.
Post, Donald B.
Sproull, Robert L.
Stickler, John J.
Tourshou, Simeon I., and Wolcott.
Radio Frequency Laboratories, Inc., assignee: *See*
Gilbert, Everett A.
Radio Patents Corporation, assignee: *See*
Guanella, Gustav.
Raider, George K., assignor to The Pyle-National Company, Chicago, Ill. System for uniform distribution of ventilating air and sound energy. 2,580,835, Jan. 1.

Rakas, Nicholas J., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Automobile armrest. 2,581,203, Jan. 1.
Randall, Clark C., Oak Park, Ill. Crankcase scavenger. 2,580,594, Jan. 1.
Randol, Glenn T., St. Louis, Mo. Preselective transmission control. 2,581,291, Jan. 1.
Ranger, Richard H., United States Army. Radio range device. 2,580,462, Jan. 1.
Raptis, Nicholas J., Gary, Ind. Adjustable brush and brush handle. 2,581,141, Jan. 1.
Rasmussen, Olaf, Port Clinton, and R. C. Rike, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Brake. 2,580,701, Jan. 1.
Ratcliff, Jack A., Amarillo, Tex. Refrigerating system. 2,581,044, Jan. 1.
Rathbun, Harold J.: *See*—
Widdows, Richard G., Dyer, and Rathbun.
Rathbun, Harold J., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Control system for induction motors and braking generator combination. 2,581,292, Jan. 1.
Rauland Corporation, The, assignee: *See*—
Melcher, Walter P., and Voelz.
Rausch, Roy R., Farmington, Mich., assignor to Associated Drug Industries, Inc., Cleveland, Ohio. Intravenous solution technique and apparatus. 2,580,836, Jan. 1.
Raybestos-Manhattan, Inc., assignee: *See*—
Bertolet, Elmer C., Jr.
Raytheon Manufacturing Company, assignee: *See*—
Anderson, Homer G.
Rea, Thomas K., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Yarn tensioning device. 2,581,142, Jan. 1.
Read, Robert C., Weston, and F. J. Gregor, Wilton, Conn. Aircraft loading ramp. 2,581,293, Jan. 1.
Read, Robert C., Weston, and F. J. Gregor, Wilton, Conn. Juice extractor. 2,581,294, Jan. 1.
Read Standard Corporation, assignee: *See*—
Dietz, Norman E.
Reddick, Leonard W., Spearville, Kans. Signal device for fishermen. 2,580,956, Jan. 1.
Redfern, Cyril A., assignor of one-half to Durastic Limited, London, England. Trowelable bituminous flooring composition and making same. 2,581,295, Jan. 1.
Reece Corporation, The, assignee: *See*—
Rich, Marion C.
Reed Roller Bit Company, assignee: *See*—
Schmid, Paul E.
Stokes, John C.
Whitledge, Edgar R.
Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Oven door glass lifting means. 2,580,957, Jan. 1.
Reeves Pulley Company, assignee: *See*—
Malcom, Glen.
Reggio, Ferdinando C., Norwalk, Conn. Engine air induction control system. 2,581,334, Jan. 1.
Reichardt, Fred O.: *See*—
Lacy, Benjamin F., and Reichardt.
Reid, James A.: *See*—
Bailey, Grant C., and Reid.
Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Filling for the fuel compartments of lighters. 2,580,463, Jan. 1.
Reilly, George W., Jr., Minneapolis, Minn., assignor to Wilson & Co., Inc. Weighing system for a processing operation. 2,581,204, Jan. 1.
Reilly, George W., Jr., Minneapolis, Minn., assignor to Wilson & Co., Inc. Weighing system for a processing operation. 2,581,205, Jan. 1.
Remington Rand Inc., assignee: *See*—
Mueller, John.
Renfro, George E., El Segundo, Calif. Flow controlling device. 2,580,595, Jan. 1.
Renko, Jan D., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Variable capacitor. 2,580,702, Jan. 1.
Revell, Louis A., Los Angeles, Calif. Ash tray. 2,580,837, Jan. 1.
Rex, Walter A.: *See*—
Ogorzaly, Henry J., and Rex.
Rheem Manufacturing Company, assignee: *See*—
Bechter, Lyle W.
Rhoads, Robert D., Franklin, Pa. Thermostatic regulating valve. 2,581,045, Jan. 1.
Rhodes, Thomas J., Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y. Coaxial cable with helical insulation. 2,580,838, Jan. 1.
Ricards, Charles L.: *See*—
Tollison, Paul L., and Ricards.
Rich, Marion C., Denver, Colo., assignor to The Reece Corporation, Boston, Mass. Sewing machine. 2,581,046, Jan. 1.
Richardson, Dale L., assignor to Caterpillar Tractor Co., Peoria, Ill. Pressure sensitive engine shutdown device. 2,580,596, Jan. 1.
Ricket, Harold N.: *See*—
Griswold, Donald W., and Ricket.
Rickus, George M., and S. G. Hoffman, assignors to Hat Corporation of America, Norwalk, Conn. Treated fur fibers. 2,581,296, Jan. 1.
Rike, Richard C.: *See*—
Rasmussen, Olaf, and Rike.
Riopelle, Earl F., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Vibration absorber. 2,580,839, Jan. 1.
Rissler, Lennius R., Hohokus, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator safety device. 2,581,297, Jan. 1.
Roberson, Cyrus E., assignor to The Noble & Wood Machine Company, Hoosick Falls, N. Y. Stuff treatment apparatus. 2,581,143, Jan. 1.
Robert, A. Pierce, assignee: *See*—
Day, Hugh L., and I. L.
Robert-Charrue, Fritz-André, Le Locle, assignor to Ebauches S. A., Neuchatel, Switzerland. Timepiece movement with intermittent seconds indicator. 2,580,597, Jan. 1.
Robert, F. H., assignee: *See*—
Day, Hugh L., and I. L.
Roberts, Bruce, assignor to The International Electronics Company, Philadelphia, Pa. Control of office dictation equipment. 2,581,144, Jan. 1.
Roberts, William C., assignor to Bone Tool & Gauge Company, Detroit, Mich. Oil burning hot-air furnace. 2,581,145, Jan. 1.
Robertson, Charlotte R. B., assignee: *See*—
Bentley, Clarence H.
Robertson, Mrs. F. K., assignee: *See*—
Bentley, Clarence H.
Robie, Norman P.: *See*—
Wallace, Walter L., and Robie.
Robinson, Lloyd A., Akron, Ohio. Bag for bowling balls. 2,580,958, Jan. 1.
Rody, Pasquale, Phoenix, Ariz. Alarm for deaf persons. 2,580,598, Jan. 1.
Roe, A. V., Canada Limited, assignee: *See*—
Garside, Samuel H. E.
Roe, De Forest, Pittsburgh, Pa., assignor to United States Steel Company. Universal sheave bracket assembly. 2,581,298, Jan. 1.
Roe, Ernest, assignee: *See*—
Schulze, Kurt E.
Rogers, Arthur E.: *See*—
Eastwood, Fred, Lasch, and Rogers.
Rogers, Grant H., assignor to Fairmont Canning Company, Fairmont, Minn. Sweet corn on the cob selecting, trimming, and packaging machine. 2,580,599, Jan. 1.
Rogers, Mary P., Hilo, Territory of Hawaii. Preserving the freshness of cut ferns. 2,581,299, Jan. 1.
Rogndal, Rikard, Bergen, Norway. Lightweight, flexible, resilient, and nonskid sole for footwear. 2,580,840, Jan. 1.
Rohm & Haas Company, assignee: *See*—
De Benneville, Peter L., and Strong.
Niederhauser, Warren D.
Rohrberg, Paul W., Port Chester, assignor to Faximile, Inc., New York, N. Y. Helix mounting system. 2,580,464, Jan. 1.
Rom, Joseph E., Detroit, Mich. Key case. 2,580,600, Jan. 1.
Romanchuk, Nicholas A.: *See*—
King, William N., Romanchuk, and Lynn.
Ronne, Finn, Chevy Chase, Md. Collapsible boat. 2,580,465, Jan. 1.
Ropp, Irwin, New Bedford, Pa., and W. S. Blackstone, Youngstown, Ohio. Flying saw. 2,580,959, Jan. 1.
Rosenfeld, Milton G., Ladue, Mo. Apparel garment. 2,581,206, Jan. 1.
Ross, Frederick W., assignor to Bendix Aviation Corporation, Detroit, Mich. Flap aileron for airplanes. 2,580,841, Jan. 1.
Ross, Olive D., executrix: *See*—
Hansen, William W.
Rossman, Edward J., and B. F. Bower, Aurora, Ill. Focusing and illuminating device for cameras. 2,581,300, Jan. 1.
Rouse, Ardie A., Orange, Tex. Degree level. 2,580,601, Jan. 1.
Ruau, Felix F.: *See*—
Molins, Desmond W., and Ruau.
Rubin, Louis C.: *See*—
Burton, William P., McGrath, and Rubin.
Ruemelin, Richard, Milwaukee, Wis. Control valve for sandblast generators. 2,580,842, Jan. 1.
Russell, Kenneth F., assignor to H. H. Garner, Claremont, Calif. Air cleaner of the oil-bath type. 2,580,703, Jan. 1.
Rust, John B., East Hanover, N. J., and C. W. Pfeifer, Philadelphia, Pa., assignors of one-half to Montclair Research Corporation, Montclair, N. J., and one-half to Ellis-Foster Company. Polybutadiene padding bath for shrinkproofing wool. 2,580,602, Jan. 1.
Ryan, George R., and R. F. McGrew, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Venoclysis equipment. 2,581,331, Jan. 1.
S & C Electric Company, assignee: *See*—
Harman, Merlin C.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Sinker cap. 2,580,971, Jan. 1.
Salmond, Alexander H., and T. Denluck, Victoria, British Columbia, Canada. Pipe coupling. 2,581,047, Jan. 1.
Sam, Sam W., Chicago, Ill. Lace. 2,580,843, Jan. 1.
Sam, Sam W., Chicago, Ill. Key case. 2,580,844, Jan. 1.
Sam, Sam W., Chicago, Ill. Key case. 2,580,845, Jan. 1.
Samblesan, Robert F., Bridgeport, Conn., assignor to General Electric Company. Touch adjustment for electric control devices. 2,581,207, Jan. 1.
Samiran, David, Dayton, Ohio. Fuel servicing nozzle. 2,580,466, Jan. 1.
Samiran, David, Fort Wayne, Ind. Multitank aircraft fuel system. 2,580,467, Jan. 1.
Sandoz A. G., assignee: *See*—
Wehrli, Walter, and Steinemann.
Sato, Takeo, Honolulu, Hawaii. Angle post tie bar. 2,580,960, Jan. 1.
Saunders, Alfred P.: *See*—
Barsby, Edward S., and Saunders.
Saunders, Alfred P., assignor to Wildt and Company Limited, Leicester, England. Straight bar knitting machine. 2,580,603, Jan. 1.
Sayre, Gordon B., and O. Winz, assignors to Boonton Molding Company, Boonton, N. J. Machine for folding carton inserts. 2,580,846, Jan. 1.
Saywell Associates, assignee: *See*—
Saywell, Lawrence G.
Saywell, Lawrence G., San Mateo, assignor to Saywell Associates, South San Francisco, Calif. Antifriction composition. 2,581,301, Jan. 1.
Scanlon, Ewart S., Vancouver, British Columbia, Canada. Shutter controlling device. 2,580,604, Jan. 1.
Schaefer Equipment Company, assignee: *See*—
Schaefer, Frederic.
Schaefer, Frederic, assignor to Schaefer Equipment Company, Pittsburgh, Pa. Forked connecting member. 2,581,048, Jan. 1.
Schaefer, Frederic C., and E. K. Drechsel, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing an isocyanate. 2,580,468, Jan. 1.
Schaub, Fred H., Engineering Co., Inc., assignee: *See*—
Schaub, Robert F.
Schaub, Robert F., assignor to Fred H. Schaub Engineering Co., Inc., Chicago, Ill. Boiler feedwater system. 2,581,146, Jan. 1.
Schauweker, George H., assignor to American Optical Company, Southbridge, Mass. Eye protective device. 2,580,605, Jan. 1.
Scheeline, Harold W.: *See*—
Etherington, Lewis D., and Scheeline.
Schempers, William, Wollaston, assignor to John Hancock Mutual Life Insurance Company, Boston, Mass. Grooving of index cards. 2,581,049, Jan. 1.
Schering Corporation, assignee: *See*—
Papa, Domenick, and Schwenk.
Sperber, Nathan, Papa, and Schwenk.
Schiel, Wilhelm, Irvington, and N. E. Zacher, Livingston, assignors to Best Manufacturing Company, Inc., Irvington, N. J. Cathode-ray tube focusing device. 2,580,606, Jan. 1.
Schlagel, Huntington R., Des Plaines, assignor to Charles Peckat Manufacturing Company, Maywood, Ill. Automobile awning support. 2,580,704, Jan. 1.
Schmechel, Arno E., Thiensville, Wis. Rotating seesaw. 2,581,302, Jan. 1.
Schmedinghoff, Francis A., San Francisco, Calif. Shelf toothbrush holder. 2,580,961, Jan. 1.
Schmid, Paul E., assignor to Reed Roller Bit Company, Houston, Tex. Impact type clutch. 2,580,607, Jan. 1.
Schmidt, August, Jr., Schenectady, N. Y., assignor to General Electric Company. Variable-speed electric motor. 2,581,208, Jan. 1.
Schneider, Philip J., trustee, assignee: *See*—
Butler, Clyde G.
Schott, Harold C., assignee: *See*—
Pelouch, James J.
Schubert, Maxwell, New York, N. Y., assignor to Abbott Laboratories, North Chicago, Ill. Thiouronium antimonyl catechol halides and making the same. 2,580,847, Jan. 1.
Schulze, Kurt E., assignor to E. Roe, doing business as Coast Wire Company, San Francisco, Calif. Wire gripping device for wire tying machines. 2,580,848, Jan. 1.
Schur, Milton O., and R. M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation. Forming cigarette paper. 2,580,608, Jan. 1.
Schur, Milton O., Asheville, and R. M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation. Cigarette paper. 2,580,609, Jan. 1.
Schur, Milton O., Asheville, and R. M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation. Cigarette paper. 2,580,610, Jan. 1.
Schur, Milton O., Asheville, and R. M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation. Cigarette paper. 2,580,611, Jan. 1.
Schutze, Henry G.: *See*—
Walsh, David C., Jr., and Schutze.
Schutze, Henry G., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Low-temperature iso-olefin polymerization with aluminum chloride containing aluminum metal. 2,581,147, Jan. 1.
Schwartz, Fred J., Toledo, Ohio. Engaging and holding means for drapery headings and the like. 2,580,849, Jan. 1.
Schwartz, Morris A., North Plainfield, N. J., assignor to Johnson & Johnson. Cam device for varying speed of an object. 2,580,469, Jan. 1.
Schwarz, Harvey F., and W. J. O'Brien, assignors to The Decca Record Company, Limited, London, England. Electric condenser. 2,580,612, Jan. 1.
Schwenk, Erwin: *See*—
Papa, Domenick, and Schwenk.
Sperber, Nathan, Papa, and Schwenk.
Scotti, Joseph R.: *See*—
Selbel, Phillip H., and Scotti.
Scull, William S., 2nd, Bryn Mawr, and G. A. Fisher, Selinsgrove, Pa., assignors to Wm. S. Scull Company, Camden, N. J. Roasting coffee. 2,581,148, Jan. 1.
Scull, Wm. S., Company, assignee: *See*—
Scull, William S., 2nd, and Fisher.
Searle, G. D., & Co., assignee: *See*—
Burtner, Robert R.
Cusic, John W.
Sears, Roebuck and Co., assignee: *See*—
Hill, Stanley E.
Sédille, Marcel H. L., assignor to Societe Rateau (Societe Anonyme), Paris, France. Control means for the nozzle outlet area of jet engines. 2,580,962, Jan. 1.
Seeber, Robert R., Jr.: *See*—
Hamilton, Francis E., Seeber, and Prentice.
Segal, Leon: *See*—
Ward, Kyle, Jr., Conrad, and Segal.
Selbel, Phillip H., Afton, and J. R. Scotti, St. Louis, Mo. Blowgun. 2,580,613, Jan. 1.
Seppmann, Alfred B., Mankato, Minn. Compound master cylinder. 2,580,850, Jan. 1.
Seppmann, Alfred B., Mankato, Minn. Master cylinder relief valve. 2,580,851, Jan. 1.
Servel, Inc., assignee: *See*—
McNeely, Lowell.
Servo Corporation of America, assignee: *See*—
Willey, Frank G.
Seybold, Carl S., Jr.: *See*—
Hall, Elwin B., Snyder, and Seybold.
Shaw, Charles H., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Fire control. 2,581,149, Jan. 1.
Shaw, Clifford, W. E. Smith, and H. G. Emblem, London, England; said Emblem assignor to C. Shaw and W. E. Langrish-Smith. Preparation of siloxanes by reacting dialkyldichlorosilanes with cupric oxide. 2,580,852, Jan. 1.
Shellmar Products Corporation, assignee: *See*—
Baxter, Thomas R.
Shepard, Billy R., and T. T. Short, Schenectady, N. Y., assignors to General Electric Company. Magnetic wire footage meter. 2,581,209, Jan. 1.
Sherman, David, Prairie du Chien, Wis. Fertilizer agitator and aerator. 2,580,854, Jan. 1.
Sherman, Kenneth C., New London, assignor to Electric Boat Company, Groton, Conn. Setting-up table for bowling pin setting machines. 2,580,853, Jan. 1.
Sherwin-Williams Company, The, assignee: *See*—
Arvin, James A., and Gitchel.
Shirk, Robert M., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for contact treatment of materials. 2,580,470, Jan. 1.
Shore, Roscoe W., Jackson Heights, N. Y. Retractable spout for container, with protective cover for said spout in its retracted position. 2,581,150, Jan. 1.
Short, Thomas T.: *See*—
Shepard, Billy R., and Short.
Shwayder, Benjamin, Detroit, Mich., assignor to Shwayder Brothers, Inc., Denver, Colo. Hinge. 2,581,151, Jan. 1.
Shwayder Brothers, Inc., assignee: *See*—
Shwayder, Benjamin.
Siemens Societa per Azioni, assignee: *See*—
Conti, Giampietro.
Silmes, Aarne I., Mantta, Suomi, Finland. Machine for shaking sieves and the like, operable by a relatively incompressible liquid. 2,581,303, Jan. 1.
Sik, George: *See*—
Love, Angus, and Sik.
Sik, György: *See*—
Love, Angus, and Sik.
Silverberg, Carl G.: *See*—
Bernheim, Daniel P., and Silverberg.
Simpson, Alvan D., Plainfield, assignor to The Forming Machine Company of America, Inc., Bound Brook, N. J. Positive pressure machine for forming continuous strips of asbestos-cement compositions and the like. 2,581,210, Jan. 1.
Sims, Roy H., Waukesha, Wis. Offset burner lighter and viewer device. 2,581,304, Jan. 1.
Sinback, J. L., assignee: *See*—
Nix, Grover C.

Sink, Robert L., Scotia, N. Y., assignor to General Electric Company. Range tracking pulse echo system. 2,581,211, Jan. 1.
Sintercast Corporation of America, assignee: *See*—
Ellis, John L., and Goetzel.
Goetzel, Claus G., and Ellis.
Sisson, Kenneth O., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Mechanical movement. 2,580,963, Jan. 1.
Sivyer, Benjamin E.: *See*—
Jewett, Maurice G., and Sivyer.
Skaller, Maje L., Blytheville, Ark. Surgical suturing device. 2,580,964, Jan. 1.
Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Detection of electrically charged particles. 2,581,305, Jan. 1.
Skinner, Hazel B., assignee: *See*—
Bentley, Clarence H.
Sloan, Abraham, Lynn, assignor to D. L. Peskin, Newton, Mass. Tray attachment for tables. 2,580,855, Jan. 1.
Slotterback, William C., Langhorne, Pa. Stationary spool reel. 2,581,306, Jan. 1.
Slottman, George V., assignor to Air Reduction Company, Incorporated, New York, N. Y. Manufacture of open-hearth steel. 2,580,614, Jan. 1.
Smedslund, Tor Halfdan, Helsingfors, Finland, assignor to Aktiebolaget Centrallaboratorium, Helsinki. Production of dimethyl sulfoxide. 2,581,050, Jan. 1.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,580,615, Jan. 1.
Smetana, Otto F., Concord, N. C., assignor to Karl Lieberknecht, Inc., Reading, Pa. Needle press mechanism for straight knitting machines. 2,581,307, Jan. 1.
Smith, Allan K.: *See*—
Babcock, Glen E., Johnsen, and Smith.
Smith, Arthur F.: *See*—
Carroll, Fred M., and Smith.
Smith, Charles H., Great Malvern, H. G. Booker, Cambridge, and P. M. Woodward, Great Malvern, England. Aerial system. 2,580,965, Jan. 1.
Smith, Charles W., Plainfield, N. J., assignor to Standard Oil Development Company. Operating liquid reflux systems in fractional distillation. 2,581,051, Jan. 1.
Smith, Edward B., assignee: *See*—
Andrew, Carl L.
Smith, George T., Santa Barbara, and L. H. Munding, Jr., Maricopa, Calif., assignors, by mesne assignments, to F. Hornkohl. Chemical cap for radiators. 2,580,856, Jan. 1.
Smith, Gerard V., assignee: *See*—
Thompson, Ralph L.
Smith, Howard J., Yonkers, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Controlling and indicating device. 2,581,308, Jan. 1.
Smith, Luke E., assignor to Quick-Way Truck Shovel Co., Denver, Colo. Handling pipes or conduits. 2,580,471, Jan. 1.
Smith, Nevin B., Hamburg, assignor to Landis Machine Company, Waynesboro, Pa. Work manipulating mechanism. 2,580,472, Jan. 1.
Smith, Omar H., West Englewood, N. J., assignor to United States Rubber Company, New York, N. Y. Vulcanization of rubbery butadiene-styrene copolymers. 2,580,857, Jan. 1.
Smith, William E.: *See*—
Shaw, Clifford, Smith, and Emblem.
Snarck, Jack, Washington Heights, and H. Laster, Bronx, N. Y. Reel holder bracket and reel for embroidery machines. 2,580,966, Jan. 1.
Snowhill Manufacturing Company, assignee: *See*—
Magnus, Edward R.
Snyder, Ernest P.: *See*—
Hall, Elwin B., Snyder, and Seybold.
Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), assignee: *See*—
Ponit, Robert J.
Societe Rateau (Societe Anonyme), assignee: *See*—
Sédille, Marcel H. L.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Cauley, Stephen P.
Gorin, Manuel H., and E.
Otto, Ferdinand P., and Barrett.
Payne, John W.
Solomon, Julius L., assignor to Welding Research, Inc., Chicago, Ill. Electronic timing circuit. 2,580,967, Jan. 1.
Sound Apparatus Company, assignee: *See*—
Niemann, Arthur W.
Southack, Tilden W.: *See*—
Orshansky, Elias, Jr., Southack, and Kahn.
Southern Equipment Company, assignee: *See*—
Muckler, Frank.
Sowa, Frank J., Cranford, N. J. Herbicidal composition. 2,580,474, Jan. 1.
Sowa, Frank J., Cranford, and E. J. Kenney, Jersey City, N. J., said Kenney assignor to said Sowa. Complex ammonium salts and producing the same. 2,580,473, Jan. 1.
Spacarb, Inc., assignee: *See*—
King, William V.
Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Automotive drive. 2,581,152, Jan. 1.
Specialties Development Corporation, assignee: *See*—
Gordon, Leo.
Griggs, Nelson S.
Helgis, Henry E.
Mapes, Daniel, and Thomsen.
Sperber, Nathan, Bronx, D. Papa, Brooklyn, N. Y., and E. Schwenk, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Imidazolinylalkyl ethers of pyridylcarbinols. 2,580,475, Jan. 1.
Sperry Corporation, The, assignee: *See*—
Hansen, William W.
Hansen, William W., and Moreno.
Spiegel, Joseph M., Palo Alto, Calif. Football game apparatus. 2,580,616, Jan. 1.
Spooner, David C., Jr., Westport, Conn., assignor to General Electric Company. Temperature responsive signaling and locating system. 2,581,213, Jan. 1.
Spooner, David C., Jr., Westport, and M. S. Greenhalgh, Bridgeport, Conn., assignors to General Electric Company. Electrically heated fabric. 2,581,212, Jan. 1.
Sprague, James M., Drexel Hill, and A. H. Land, Ridley Park, Pa. Substituted heterocyclic compounds. 2,580,476, Jan. 1.
Sprengle, William L., Pittsburgh, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Pilot wire control for automatic reclosing circuit breakers. 2,580,858, Jan. 1.
Sproul, John C., assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Haulage apparatus for mining machines. 2,581,052, Jan. 1.
Sproull, Robert L., Penns Neck, N. J., assignor to Radio Corporation of America. Measuring microwave frequencies. 2,580,968, Jan. 1.
Standard Oil Company, assignee: *See*—
Browning, George V.
Standard Oil Company, The, assignee: *See*—
Hughes, Everett C., and Bartleson.
Stine, Harrison M.
Standard Oil Development Company, assignee: *See*—
Abeel, Alan C., Jr., and Hibshman.
Alexander, Warren A.
Archibald, Francis M.
Arnold, Walter A.
Beach, Leland K.
Blood, Robert H.
Etherington, Lewis D., and Scheeline.
Foster, Paul H.
Garber, John D., and Hollyday.
Gleason, Anthony H., and Jaros.
Guenzel, William T.
Hodges, Linnie P.
Love, Robert M.
Main, Thomas C.
Matuszak, Alfred H.
McCurdy, William N., Jr., and Whittlesey.
Morway, Arnold J., and Kolfenbach.
Murphree, Eger V.
Odell, William W.
Ogorzaly, Henry J., and Rex.
Prophet, James, Jr.
Schutze, Henry G.
Smith, Charles W.
Walsh, David C., Jr.
Walsh, David C., Jr., and Schutze.
Statham, Noel, Greenwich, Conn. Adjustable fastening device. 2,580,477, Jan. 1.
Steckler, Milton I., Los Angeles, Calif. Supplemental lens mount for spectacles. 2,580,859, Jan. 1.
Stegner, Vaclav F., Racine, Wis. Razor blade sharpener. 2,581,214, Jan. 1.
Steinemann, Willy: *See*—
Wehrli, Walter, and Steinemann.
Stephano Brothers, assignee: *See*—
Stephano, Constantine S.
Stephano, Constantine S., Meadowbrook, assignor to Stephano Brothers, Philadelphia, Pa. Article wrapping apparatus. 2,581,309, Jan. 1.
Stephenson, Verne L., Goshen, Ind. Closure means for child's garment. 2,580,969, Jan. 1.
Stewart-Warner Corporation, assignee: *See*—
Walker, Jerome F.
Stewart, William H., assignee: *See*—
Fletcher, Albert C.
Stewart, William H., Oklahoma City, Okla. Outside metal blind. 2,581,215, Jan. 1.
Stibbe, Edward V., and L. W. Gibbins, assignors to G. Stibbe & Co. Limited, Leicester, England. Power-operated circular knitting machines. 2,580,617, Jan. 1.
Stibbe, G., Co. Limited, assignee: *See*—
Brown, Albert M.
Stibbe, Edward V., and Gibbins.
Stickler, John J., Ithaca, N. Y., assignor to Radio Corporation of America. Modulation of high-frequency energy. 2,580,970, Jan. 1.
Stieber, Anna M.: *See*—
Vogl, Henry L., and Stieber.
Stine, Harrison M., East Cleveland, assignor to The Standard Oil Company, Cleveland, Ohio. Combination process for the catalytic hydrodesulfurization and reforming of hydrocarbon mixtures. 2,580,478, Jan. 1.

Stogran, Max J., Chicago, Ill. Cord equalizing mechanism for Venetian blinds. 2,580,479, Jan. 1.
Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Wear indicating device for drill bits. 2,580,860, Jan. 1.
Storey, O. W., & Associates, assignee: *See*—
Ashton, Howard W.
Storey, Oliver W., trustee, assignee: *See*—
Ashton, Howard W.
Strandskov, Frede B.: *See*—
Marks, Henry C., and Strandskov.
Strehlow, Walter F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Farm tractor. 2,580,481, Jan. 1.
Strehlow, Walter F., C. T. O'Harrow, Wauwatosa, and G. W. Park, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Farm tractor. 2,580,480, Jan. 1.
Stromberg-Carlson Company, assignee: *See*—
Larsen, Merwin J.
Strong, James S.: *See*—
De Benneville, Peter L., and Strong.
Stryker, Norman R.: *See*—
Glazer, Allan, Stryker, and Hopkins.
Studeny, John: *See*—
Landes, Chester G., and Studeny.
Stukenborg, Louis C., Memphis, Tenn., and H. V. Utterback, Osyka, Miss. Turnbuckle lock. 2,580,482, Jan. 1.
Sturgess, Inc., assignee: *See*—
Cushman, Clifford E.
Suckley, Allison G., Wauseon, Ohio. Bobby pin placement. 2,580,972, Jan. 1.
Sueur, René, Paris, France. Pulse signaling means. 2,580,973, Jan. 1.
Sulphide Ore Process Company, Inc., assignee: *See*—
Konrad, Erich H., and Kaye.
Sulphite Products Corporation, assignee: *See*—
Pearl, Irwin A.
Sulzer Freres, Societe Anonyme, assignee: *See*—
Deringer, Hans.
Summerbell, Edith M., executrix: *See*—
Summerbell, William.
Summerbell, William, deceased, Washington, D. C.; E. M. Summerbell, executrix. Breech block and firing mechanism therein. 2,580,483, Jan. 1.
Sun Rubber Company, The, assignee: *See*—
Fenton, Frank.
Sunroc Refrigeration Company, assignee: *See*—
Morrison, Samuel O.
Super Electric Products Corp., assignee: *See*—
Daniels, Harry.
Superior Plastics, Inc., assignee: *See*—
Baker, Bill P.
Sutter, Roser B., Moscow, Pa. Smoking pipe. 2,580,974, Jan. 1.
Sweo, Benjamin J., Lakewood, assignor to Ferro Corporation, Cleveland, Ohio. Porcelain enamel article and producing same. 2,581,310, Jan. 1.
Swift & Company, assignee: *See*—
De Vout, Anson W.
Tandler, William S., New York, N. Y., R. G. Fleuriot, Englewood, N. J., and C. F. Peck, assignors to Vendomatic Machine Corporation, New York, N. Y. Vending and dispensing device. 2,581,216, Jan. 1.
Tappan, Ada L., executrix: *See*—
Tappan, Dewitt.
Tappan, Dewitt, deceased, Irondequoit, N. Y.; A. I. Tappan and H. S. Wynn, executors. Sash balance. 2,580,705, Jan. 1.
Tatra narodni podnik, assignee: *See*—
Březek, Rudolf.
Taylor, Alton P., Nichols, assignor to International Business Machines Corporation, New York, N. Y. Record feeding device. 2,580,861, Jan. 1.
Taylor, James L., Manufacturing Company, assignee: *See*—
Burns, Raymond W., and Quick.
Taylor, Milton C., Chicago, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Driller. 2,581,311, Jan. 1.
Tea, Clark A., Detroit, Mich. Auxiliary spring suspension. 2,580,975, Jan. 1.
Technicolor Motion Picture Corporation, assignee: *See*—
Gunn, Frank G.
Temte, Glenn H., Minneapolis, Minn. Jet-propelled airplane. 2,580,484, Jan. 1.
Terrell, Hayes W., Sacramento, Calif. Sectional top folding wall table. 2,580,618, Jan. 1.
Terry, Sydney L., St. Clair Shores, assignor to Chrysler Corporation, Highland Park, Mich. Lock washer. 2,581,217, Jan. 1.
Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Blade containing and dispensing device. 2,581,332, Jan. 1.
Texas Company, The, assignee: *See*—
Herzog, Gerhard.
McMillan, Wallace A.
Nelson, Roy F., Deutser, and Hefty.
Wolf, Alexander.
Thomas, Dorothy H., Seattle, Wash. Hair drying equipment. 2,580,619, Jan. 1.
Thomas, Robert J., Royal Oak, Mich. Push button having two positions in one of which it is illuminated. 2,581,053, Jan. 1.
Thomas, Walter M.: *See*—
Erickson, John G., and Thomas.
Thompson, Ralph L.: *See*—
Lester, John M., and Thompson.
Thompson, Ralph L., Mineola, N. Y., assignor to G. V. Smith, Westwood, N. J. Interlocking mechanism for register apparatus. 2,581,218, Jan. 1.
Thomsen, William A. V.: *See*—
Mapes, Daniel, and Thomsen.
Thorburn, Milton R., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Thickness gauge. 2,581,219, Jan. 1.
Thornton, Theodore W., Salt Lake City, Utah. Torpedo motion recorder. 2,580,485, Jan. 1.
Time, Inc., assignee: *See*—
Faeber, Harry W., Dutro, and Dutro.
Moe, William W.
Time, Incorporated, assignee: *See*—
Moe, William W.
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Lock nut. 2,581,312, Jan. 1.
Tinnerman Products, Inc., assignee: *See*—
Tinnerman, George A.
Tollison, Paul L., North Plainfield, and C. L. Ricards, South Plainfield, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Plate stop mechanism for stereotype plate registering and trimming machines. 2,581,220, Jan. 1.
Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Computing device having compound drive rate multiplier. 2,580,862, Jan. 1.
Toulmin, Harry A., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Apparatus for plating metal strips. 2,580,976, Jan. 1.
Tourshou, Simeon I., Philadelphia, Pa., and R. G. Wolcott, Haddon Heights, N. J., assignors to Radio Corporation of America. Deflection system. 2,580,977, Jan. 1.
Trico Products Corporation, assignee: *See*—
Horton, Erwin C.
Triller, Benjamin J., assignor to Farley & Loetscher Manufacturing Company, Dubuque, Iowa. Ceiling-suspended stair. 2,580,978, Jan. 1.
Trisler, Milton A., assignor to General Motors Corporation, Detroit, Mich. Fuel supply system. 2,580,706, Jan. 1.
Tuck, Russell F., Los Angeles, Calif. Rotary brush cleaner for pants cuffs. 2,580,863, Jan. 1.
Tungett, George: *See*—
Helms, Laurence C. and T. R., Tungett, and Noonan.
Turner, Virgil A., and B. S. and F. S. Alden, Anna, Ill. Selective punching and dispensing mechanism. 2,581,221, Jan. 1.
Underhill, Norman R., Webster Groves, Mo. Chair of knockdown type. 2,580,707, Jan. 1.
Unger, Adolf A., assignee: *See*—
Wold, Clarence W.
Union Carbide and Carbon Corporation, assignee: *See*—
Bludeau, Robert E.
Drummond, Arthur P.
Miller, Alfred J.
Young, Frank G., and Fitzpatrick.
Union Oil Company of California, assignee: *See*—
Doumani, Thomas F., and Long.
United Aircraft Corporation, assignee: *See*—
Hoffmann, Anton R., and Crump.
Judd, Frederick V. H.
Kalitinsky, Andrew.
United Products Co., Inc., assignee: *See*—
Coby, George.
United Shoe Machinery Corporation, assignee: *See*—
Haas, Otto R.
Miller, John A.
Topham, Laurence E.
United Specialties Company, assignee: *See*—
Blair, Mark L., and Eastman.
United Technical Laboratories, assignee: *See*—
Kraft, Russell E., and Washington.
United States Gasket Company, assignee: *See*—
Hobson, Charles M., Jr.
United States Gypsum Company, assignee: *See*—
Camp, Thomas P.
Wise, John K.
U. S. Machine Corporation, assignee: *See*—
Vawter, Wilber W.
United States Rubber Company, assignee: *See*—
Mooney, Melvin, and Copeland.
Rhodes, Thomas J.
Smith, Omar H.
United States Steel Company, assignee: *See*—
Roe, De Forest.
Universal Atlas Cement Company, assignee: *See*—
Ludwig, Norman C.
Universal Oil Products Company, assignee: *See*—
Belden, Donald H.
Bielawski, Mitchell S.
Boyd, David M., Jr.
Universal Properties Inc., assignee: *See*—
Martin, Earnest E.

Upright, Fred J., Grant, Nebr. Cheese dispenser. 2,580,864, Jan. 1.

Upton, Patrick B.: *See*—
Banks, William H., and Upton.

Utica Cutlery Company, assignee: *See*—
Allen, Albert E.

Utterback, Harold V.: *See*—
Stukenborg, Louis C., and Utterback.

Václavík, Jaroslav, assignor to Bata, narodni podnik, Zlin, Czechoslovakia. Knitting machine jack holder. 2,580,620, Jan. 1.

Van Brunt, John Deere, Company, assignee: *See*—
Borngraeber, Royce R.

Van der Woude, Fritz R., Safford, Ariz., assignor to The General Industries Company, Elyria, Ohio. Constant speed clutch. 2,581,313, Jan. 1.

Vansant, John M., Topeka, Kans. Apparatus for breaking eggs and salvaging liquid egg material. 2,581,054, Jan. 1.

Varner, Alvie E., assignor to Masonite Corporation, Laurel, Miss. Bending process. 2,581,222, Jan. 1.

Vawter, Wilber W., Indianapolis, assignor, by mesne assignments, to U. S. Machine Corporation, Lebanon, Ind. Tail gate lift for trucks and the like. 2,581,333, Jan. 1.

Vendomatic Machine Corporation, assignee: *See*—
Tandler, William S. Fleuriot, and Peck.

Vicksell, Victor A., Sr., Kansas City, Mo. Window shutter. 2,580,621, Jan. 1.

Vigmostad, Trygve, assignor to Briggs Manufacturing Company, Detroit, Mich. Collapsible top for vehicles. 2,580,486, Jan. 1.

Vigmostad, Trygve, assignor to Briggs Manufacturing Company, Detroit, Mich. Foldable top for vehicle bodies. 2,580,487, Jan. 1.

Voelz, Harry H.: *See*—
Melcher, Walter P., and Voelz.

Vogal, William V., assignee: *See*—
Brodkey, Clara.

Vogl, Henry L., and A. M. Stieber, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Protective composition for metal surfaces. 2,580,488, Jan. 1.

Vogt, Richard R., and W. H. Hamill, South Bend, Ind., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Storage and concentration of acetylene. 2,580,622, Jan. 1.

Voigt, Paul G. A. H., London, England. Permanent magnet system for loudspeakers. 2,581,223, Jan. 1.

Voll, Jesse W., Springfield, Mo. Quick-set wheel guard. 2,580,979, Jan. 4.

Vrooman, Herschel C., Denver, Colo. Ceiling-suspended elevatable table. 2,580,980, Jan. 1.

Wagner, Elizabeth, administratrix, assignee: *See*—
Wagner, Frank J.

Wagner, Frank J., deceased, assignor of one-half to C. M. Bierman, and E. Wagner, administratrix of said F. J. Wagner, assignor of one-half to E. Wagner, Franklin Square, N. Y. Bearing for roller skate wheels. 2,580,489, Jan. 1.

Wahl, Charles L., Lanesboro, Iowa. Rolling paint stand. 2,580,623, Jan. 1.

Wahle, Adolph, assignor of one-half to W. H. Martin, Davenport, Iowa. Centrifugal pump. 2,581,055, Jan. 1.

Waldorf Paper Products Company, assignee: *See*—
Dunning, Robert M., and Guyer.

Waldron, John, Corporation, assignee: *See*—
Dickhaut, Charles A.

Walker, Jerome F., Victor, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,581,314, Jan. 1.

Walklin, Richard: *See*—
Osburn, Everett H., and Walklin.

Wallace, David A., Grosse Pointe Farms, assignor to Chrysler Corporation, Highland Park, Mich. Drive construction. 2,581,224, Jan. 1.

Wallace & Tiernan Products, Inc., assignee: *See*—
Marks, Henry C., and Strandskov.

Wallace, Walter L., Niagara Falls, and N. P. Roble, Lewiston, assignors to The Carborundum Company, Niagara Falls, N. Y. Making bonded articles and composition therefor. 2,580,708, Jan. 1.

Wallen, Horace F., San Diego, Calif. Precision measuring instrument. 2,580,865, Jan. 1.

Wallich, Fred R., Los Angeles, Calif. Making combined stencil and inking pads. 2,581,153, Jan. 1.

Walmsley, Thomas, Ealing, London, and R. C. Leigh, assignors to British Telecommunications Research Limited, Taplow, England. Signal transmission system. 2,581,056, Jan. 1.

Walsh, David C., Jr., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Starting up low-temperature isoolefin polymerization. 2,580,490, Jan. 1.

Walsh, David C., Jr., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Recovery of high-molecular weight polymers from hydrocarbon solutions. 2,581,155, Jan. 1.

Walsh, David C., Jr., and H. G. Schutze, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Tertiary-butyl halide promoters in Friedel-Crafts catalyzed olefin polymerizations. 2,581,154, Jan. 1.

Walters, Edward Z.: *See*—
Heyer, Eric H., and Walters.

Walters, Lewis, New York, N. Y. Water bottle holder for tape dispensing machines. 2,580,624, Jan. 1.

Waltz, Charles A., assignor of one-half to H. A. Huff, Normal, Ill. Fishing rod holder. 2,580,625, Jan. 1.

War, United States of America as represented by the Secretary of, assignee: *See*—
Darmody, William J.
Murray, Peter R., and Bright.

Ward, Kyle, Jr., and C. M. Conrad, New Orleans, and L. Segal, Metairie, La., assignors to the United States of America as represented by the Secretary of Agriculture. Reducing the crystallinity of native fibrous cellulosic material. 2,580,491, Jan. 1.

Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Fluid handling swivel joint. 2,580,626, Jan. 1.

Washburn, Ray A., assignee: *See*—
Hennessy, Edward J.

Washington, George, Jr.: *See*—
Kraft, Russell E., and Washington.

Waterman, Russell R., Lodi, Calif. Fuel regulating and safety shutoff valve. 2,580,866, Jan. 1.

Watkins, John E., Maywood, assignor to Midwest Engineering & Equipment Co., Chicago, Ill. Defrosting control in an air-cooling system. 2,580,627, Jan. 1.

Watts, Blaine C., Jr., assignor to Kresky Mfg. Co., Inc., Petaluma, Calif. Air-heating appliance. 2,580,492, Jan. 1.

Watts, C. J., executor: *See*—
Conrad, Joshua C.

Wean Engineering Company, Inc., The, assignee: *See*—
Keller, John D.

Weber, William E., assignee: *See*—
Du Broff, Warren.

Webster Electric Company, assignee: *See*—
Munroe, David J.

Webster, Georgia D., Atlanta, Ga. Manicure bowl. 2,580,981, Jan. 1.

Wehrli, Walter, and W. Steinemann, assignors to Sandoz A. G., Basel, Switzerland. Disazo dyestuffs and their chromium, iron and cobalt complexes. 2,580,867, Jan. 1.

Weldinger, Walter P., Orinda, Calif. Liquid gauge bar. 2,580,711, Jan. 1.

Weighton, Donald, assignor to Pye Limited, Cambridge, England. Hybrid transformer coupling network for very high frequencies. 2,581,156, Jan. 1.

Welsberg, Abraham E., New York, N. Y. Container for packaging merchandise. 2,580,712, Jan. 1.

Weiss, Alexander C. H., Silver Spring, Md. Tissue sheet dispenser. 2,580,982, Jan. 1.

Weiss, Benjamin, New York, N. Y. Self-locking, twin garment hanger. 2,580,493, Jan. 1.

Welding Research, Inc., assignee: *See*—
Solomon, Julius L.

Welsh, William W., Rockville, assignor to Bowen & Company, Inc., Bethesda, Md. Suction electrode. 2,580,628, Jan. 1.

Welte, Benedict, Lake Orion Township, Oakland County, assignor to Colonial Broach Company, Warren Township, Mich. Directional and pressure control valve for hydraulic straightening presses. 2,580,868, Jan. 1.

Wenzel, Edwin H., Milwaukee, Wis. Combined water spray and chemical dispenser. 2,580,629, Jan. 1.

Western Electric Company, Incorporated, assignee: *See*—
Adams, George P.
Berggren, George E.
Franz, Erwin E.
Henning, George E.

Western, Inc., assignee: *See*—
Bloom, Allen.

Westinghouse Electric Corporation, assignee: *See*—
Eames, William F.
Koch, Gustav H.
Rissler, Lennius R.

West Point Manufacturing Company, assignee: *See*—
Piper, Frank R., and Fairfax.

Whitcomb, Forrest R., Worcester, Mass. Cam controlled contour polishing. 2,581,157, Jan. 1.

White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,580,630, Jan. 1.

Whitledge, Edgar R., Mantua, Ohio, assignor, by mesne assignments, to Reed Roller Bit Company, Houston, Tex. Impact tool. 2,580,631, Jan. 1.

Whittaker, Anna, administratrix: *See*—
Mueller, John.

Whittlesey, John V.: *See*—
McCurdy, William N., Jr., and Whittlesey.

Wicks, John, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Toll switching telephone system having automatic amplifier insertion and gain setting. 2,580,709, Jan. 1.

Widdows, Richard G., and A. C. Dyer, Shaker Heights, and H. J. Rathbun, assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Control system for induction motor and breaking generator combinations. 2,581,315, Jan. 1.

Widell, Nils E., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Corrosion inhibitors in absorption refrigeration system. 2,580,983, Jan. 1.

Widell, Nils E., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Corrosion inhibitor in absorption refrigeration system. 2,580,984, Jan. 1.

Wilder, Richard S., Roslyn, and D. F. Herman, assignors to Publicker Industries Inc., Philadelphia, Pa. N-disubstituted-amino t-hydroxy ketones. 2,580,494, Jan. 1.

Wildhack, William A., Arlington, Va. Liquid oxygen converter. 2,580,710, Jan. 1.

Wildt and Company Limited, assignee: *See*—
Barsby, Edward S., and Saunders.
Saunders, Alfred P.

Wilkerson, Victor O., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Accumulator. 2,580,870, Jan. 1.

Wilkinson, John: *See*—
Martin, Gustav J., and Wilkinson.

Willey, Frank G., Roslyn Heights, assignor to Servo Corporation of America, New Hyde Park, N. Y. Relay-operated amplifier. 2,581,158, Jan. 1.

Williams, Earl R., Sacremento, Calif. Automobile sun visor. 2,580,632, Jan. 1.

Williams, Finis B., Fresno, Calif. Baled hay loader. 2,580,633, Jan. 1.

Wilson & Co., Inc., assignee: *See*—
Reilly, George W., Jr.

Winner, Mark H., Jr., New York, N. Y. Electric air heater. 2,580,634, Jan. 1.

Winter, Charles R., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation of vapors. 2,580,635, Jan. 1.

Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, Waukegan, Ill., as trustee. Magnetic clutch with a magnetic lining. 2,580,869, Jan. 1.

Winther, Martin P., trustee assignee: *See*—
Winther, Anthony.

Winz, Oscar: *See*—
Sayre, Gordon B., and Winz.

Wirth, Walter V., Woodstown, N. J., and S. E. Krahler, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Blue-fluorescent dyestuffs. 2,581,057, Jan. 1.

Wirtz, Frank E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Lacing machine. 2,580,871, Jan. 1.

Wise, Clarence L., Springfield, Ohio. Ventilator for hay and grain containers. 2,580,872, Jan. 1.

Wise, John K., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Coatings for insulation board. 2,581,058, Jan. 1.

Wiss, J., & Sons Co., assignee: *See*—
Persak, George, Jr.

Witte, Michael, Colonie, assignor to General Aniline & Film Corporation, New York, N. Y. Acylation. 2,581,059, Jan. 1.

Wolcott, Robert G.: *See*—
Tourshou, Simeon L., and Wolcott.

Wold, Clarence, assignee: *See*—
Wold, Clarence W.

Wold, Clarence W., assignor, by mesne assignments, to C. P. and M. A. Leu, C. Wold, and A. A. Unger, Whittier, Calif. Switch control. 2,581,060, Jan. 1.

Wolf, Alexander, Houston, Tex., assignors to The Texas Company, New York, N. Y. Reflection seismic exploration. 2,580,636, Jan. 1.

Wolfersperger, John J., Milwaukee, Wis. High rating fire-tube boiler and boiler operation. 2,581,316, Jan. 1.

Womble, Glenn F., Danville, Va., assignor to Dan River Mills, Incorporated. Making two-sided fabric using sulfur acid esters of leuco vat dyes and actinic rays. 2,580,873, Jan. 1.

Wood Newspaper Machinery Corporation, assignee: *See*—
Tollison, Paul L., and Ricards.

Wood, Richard C., Westbury, N. Y., assignors to The Proctor & Gamble Company, Cincinnati, Ohio. Plastic detergents and making same. 2,580,713, Jan. 1.

Wooden, Charles K., Burbank, Calif. Detachable carrying device. 2,580,985, Jan. 1.

Woods, Elmer O., Los Angeles, Calif. Combination releasable locking device. 2,580,495, Jan. 1.

Woodward, Phillip M.: *See*—
Smith, Charles H., Booker, and Woodward.

Wottring, Lee R., Altadena, Calif. Lens control mount for stereoscopic projectors. 2,580,874, Jan. 1.

Wright, Smith C., Bandera, Tex. Trough or tank water level valve. 2,580,637, Jan. 1.

Wright, Thomas E.: *See*—
Merkel, Charles M., and Wright.

Wynn, Harold S., executor: *See*—
Tappan, Dewitt.

Yohn, Jackson S., Pottstown, Pa. Flexible steering wheel mounting. 2,580,986, Jan. 1.

Young, Clarence H., Lincoln Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tube circuit. 2,580,875, Jan. 1.

Young, Frank G., and J. T. Fitzpatrick, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Production of beta-hydroxy carboxylic acid lactones from ketene and aldehyde with clay catalyst. 2,580,714, Jan. 1.

Youngstown Steel Door Company, The, assignee: *See*—
Madland, Gabriel.

Zabich, Martin, Verona, Pa. Axially and angularly adjustable straight beam clamp. 2,581,317, Jan. 1.

Zacher, Norman E.: *See*—
Schiel, Wilhelm, and Zacher.

Zeiss, Harold H., Tenafly, N. J., assignor, by mesne assignments, to The Fulwal Chemical Corporation, New York, N. Y. Separation of rosin acids. 2,580,496, Jan. 1.

Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Incorporated, Irvington, N. J. Crank shaper ram and clamp. 2,580,497, Jan. 1.

LIST OF PLANT INVENTIONS

Nectarine tree. F. W. Anderson. 1,060, Jan. 1.
Plum tree. R. S. Johnson. 1,064, Jan. 1.
Rose plant. J. D. Brownell. 1,059, Jan. 1.
Rose plant. S. Domilla. 1,061, Jan. 1.
Rose plant. C. G. Duehrsen. 1,062, Jan. 1.
Walnut tree. L. B. Boellner. 1,063, Jan. 1.

LIST OF DESIGN INVENTIONS

Ash tray. D. V. Burgess. 165,572, Jan. 1.
Automobile grille bar. H. J. Keane. 165,589, Jan. 1.
Automobile grille bar. F. Reynolds. 165,608, Jan. 1.
Belt. A. Garay. 165,578, Jan. 1.
Blouse. J. Orloff. 165,600–4, Jan. 1.
Bracelet. F. C. Witmer. 165,622, Jan. 1.
Bracelet or similar article. C. T. Parisi. 165,606, Jan. 1.
Brooch or the like. A. Katz. 165,586, Jan. 1.
Cabinet and couch, Combined. R. E. Brandenburger, Sr. 165,571, Jan. 1.
Cabinet, Display. B. M. Levinger. 165,592, Jan. 1.
Case, Lipstick. A. Muscetra. 165,597, Jan. 1.
Case or similar article, Watch. L. Newhouse. 165,599, Jan. 1.
Centrifuge spider. G. B. Via. 165,620, Jan. 1.
Clockcase. S. J. Kaufman. 165,587–8, Jan. 1.
Clock casing or similar article. J. W. Smith. 165,613, Jan. 1.
Container or similar article, Food washing and storing. H. O. Sandberg. 165,610, Jan. 1.
Device for transporting bedridden patients. G. B. Nelson. 165,598, Jan. 1.
Dish, Butter. H. L. Forman. 165,574, Jan. 1.
Dish cover or similar article, Butter. S. Forman and L. Ramer. 165,575, Jan. 1.
Dispenser, Liquid. F. Bartolucci, Jr. 165,568, Jan. 1.
Doll. M. N. La Vielle and H. B. Heller. 165,590, Jan. 1.
Fan, Twin window. B. H. Johnson and W. W. Welch, Jr. 165,583, Jan. 1.
Fastener, Belt. W. West. 165,621, Jan. 1.
Floor polishing machine. E. L. Verhagen. 165,617–19, Jan. 1.
Fryer, Deep fat. J. Morgan. 165,596, Jan. 1.
Grader. J. G. Macdonald. 165,594, Jan. 1.
Grille, Foundation ventilator. L. W. Hamlin. 165,580, Jan. 1.
Handbag. H. S. Chase. 165,573, Jan. 1.
Handbag. D. E. Kadison. 165,585, Jan. 1.
Handbag frame. A. Rand. 165,607, Jan. 1.
Lamp with double-faced mirror frame, Electric. W. Sablotny. 165,609, Jan. 1.
Necklace. F. C. Witmer. 165,624, Jan. 1.
Needle, Hypodermic. J. W. Lee. 165,591, Jan. 1.
Peeler or similar article, Citrus. W. L. Horning. 165,582, Jan. 1.
Pin. N. Shuman. 165,612, Jan. 1.
Plate or similar article, Dinner. D. Bourne. 165,570, Jan. 1.
Pouring attachment for containers. W. S. Fuld. 165,577, Jan. 1.
Ring. F. C. Witmer. 165,623, Jan. 1.
Spectacle front. A. B. Belgard. 165,569, Jan. 1.
Stand or similar article, Dish. L. Goldman. 165,579, Jan. 1.
Swing. R. G. Low. 165,593, Jan. 1.
Table or similar article. E. H. Johnson. 165,584, Jan. 1.
Telephone call timer unit. R. A. Miller. 165,595, Jan. 1.
Toaster, Sandwich. H. Schwartz. 165,611, Jan. 1.
Tower scale front panel. G. W. Tammen. 165,615, Jan. 1.
Toy figure, Animal. G. Van Tuyl. 165,616, Jan. 1.
Toy stove or similar article. M. Page. 165,605, Jan. 1.
Toy, Wheeled balancing. J. Fryer and C. Fitzgerald. 165,576, Jan. 1.
Toy whistle. L. J. Sofro. 165,614, Jan. 1.
Trolling device. O. D. Harris. 165,581, Jan. 1.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1st DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading device. A. C. Hodgson. 2,580,917, Jan. 1.
Absorption refrigeration. W. G. Kögel. 2,580,440–1, Jan. 1.
Absorption refrigeration. W. G. Kögel. 2,580,443, Jan. 1.
Absorption refrigeration system. W. G. Kögel. 2,580,442, Jan. 1.
Accounting apparatus. A. H. Dickinson. 2,580,741, Jan. 1.
Accounting device. C. L. Andrew. 2,580,390, Jan. 1.
Accumulator. V. O. Wilkerson. 2,580,870, Jan. 1.
Acoustic system, Directional. W. E. Kock. 2,580,439, Jan. 1.
Acrylonitrile polymer compositions. R. G. Beaman. 2,580,393, Jan. 1.
Acylation. M. Witte. 2,581,059, Jan. 1.
Adapter for stokes litters. C. E. Cummiskey. 2,580,410, Jan. 1.
Adjustable block. E. A. Odin. 2,580,585, Jan. 1.
Adjustable crossleg table. J. L. Jerick. 2,581,023, Jan. 1.
Aerial system. C. H. Smith, H. G. Booker and P. M. Woodward. 2,580,965, Jan. 1.
Air cleaner. M. L. Blair and D. P. Eastman. 2,580,648, Jan. 1.
Air cleaner of the oil-bath type. K. F. Russell. 2,580,703, Jan. 1.
Air conditioning. L. McNeely. 2,581,122, Jan. 1.
Air-conditioning apparatus. E. Feinberg. 2,580,535, Jan. 1.
Air-heating appliance. B. C. Watts, Jr. 2,580,492, Jan. 1.
Airplane, Jet-propelled. G. H. Temte. 2,580,484, Jan. 1.
Air valve. J. T. Myers. 2,580,455, Jan. 1.
Alarm for deaf persons. P. Rody. 2,580,598, Jan. 1.
Alarm sending circuit. C. E. Germanton. 2,580,757, Jan. 1.
Alpha, alpha'-dithiodialdehydes. W. D. Niederhauser. 2,580,695, Jan. 1.
Alphabet, digit, and address printing device. F. M. Carroll and A. F. Smith. 2,580,729, Jan. 1.
Alternating-voltage compression. W. W. Moe. 2,581,124, Jan. 1.
Altimeter control of servo system. J. H. Broadbent and H. R. Mitchell. 2,580,512, Jan. 1.
Amplifier for television, Tunable band pass. J. C. Achenbach. 2,581,159, Jan. 1.
Amplifier network. J. D. Noe. 2,580,822, Jan. 1.
Amplifier, Relay-operated. F. G. Willey. 2,581,158, Jan. 1.
Anchoring device for signposts. P. C. Pancake. 2,580,948, Jan. 1.
Angle post tie bar. T. Sato. 2,580,960, Jan. 1.
Animal rubbing and oiling station or apparatus. W. M Kirk. 2,581,028, Jan. 1.
Anion exchange resin antacid. G. J. Martin and J. Wilkinson. 2,581,035, Jan. 1.
Antenna construction, Extensible. E. Carlson. 2,580,889, Jan. 1.
Antenna filter. E. I. Anderson. 2,580,389, Jan. 1.
Antenna system, Broad-band. F. A. Kolster. 2,580,798, Jan. 1.
Antifriction composition. L. G. Saywell. 2,581,301, Jan. 1.
Antisiphon silencer for ball cocks. J. C. Owens. 2,581,043, Jan. 1.
Apparatus for breaking eggs and salvaging liquid egg material. J. M. Vansant. 2,581,054, Jan. 1.
Apparatus for broad-band radio transmission. R. V. Pound. 2,580,592, Jan. 1.
Apparatus for contact treatment of materials. R. M. Shirk. 2,580,470, Jan. 1.
Apparatus for contacting solids and gases. W. W. Odell. 2,581,134, Jan. 1.
Apparatus for continuously marking metal objects. W. S. Miller. 2,580,574, Jan. 1.
Apparatus for fermenting sponge dough. A. M. Lewis. 2,581,034, Jan. 1.
Apparatus for heating and pressing thermoplastic sheet material. G. W. Borkland. 2,580,883, Jan. 1.
Apparatus for loading vulcanizing molds. F. Fenton. 2,581,246, Jan. 1.
Apparatus for making disintegrating top shot wads. W. N. King, N. A. Romanchuk, and R. Lynn. 2,580,794, Jan. 1.
Apparatus for marine operations. W. T. Guenzel. 2,581,098, Jan. 1.
Apparatus for measuring extension of ferromagnetic material during rolling. A. Love and G. Sik. 2,580,934, Jan. 1.
Apparatus for plating metal strips. H. A. Toulmin, Jr. 2,580,976, Jan. 1.
Apparatus for porcelain enameling sheet metal. R. G. Calton. 2,580,406, Jan. 1.
Apparatus for processing food stock. D. W. Griswold and H. N. Ricket. 2,580,420, Jan. 1.
Apparatus for producing airlaid fibrous webs. E. C. Bertolet, Jr. 2,581,069, Jan. 1.
Apparatus for striping wire. J. L. Entwistle and A. W. Nelson. 2,581,180, Jan. 1.
Apparatus for treating textile fabrics. C. G. Hatay. 2,581,018, Jan. 1.
Apparatus for use with tractors and cultivators. G. L. Miller. 2,580,813, Jan. 1.
Apparatus for viewing the undercarriage of a vehicle. H. V. Pfetzing. 2,580,699, Jan. 1.
Appliance handle joint. F. Breckenridge. 2,580,725, Jan. 1.
Apron control for earth moving apparatus of the carry type. P. G. Brower. 2,581,073, Jan. 1.
Aracylhydrazo substituted nitriles. E. G. Howard, Jr. 2,580,919, Jan. 1.
Arrangement for locking and unlocking a pulling member in different positions. G. K. J. Broberg. 2,581,235, Jan. 1.
Article support and relatively adjustable gas burner. J. B. Meriam. 2,580,939, Jan. 1.
Article wrapping apparatus. C. S. Stephano. 2,581,309, Jan. 1.
Artificial arm for above-the-elbow amputees, Electrically operated. S. W. Alderson. 2,580,987, Jan. 1.
Artificial eye. C. J. Noelle. 2,580,583, Jan. 1.
Ash tray. L. A. Revell. 2,580,837, Jan. 1.
Automatic control system for aircraft retractable landing gear. J. H. Miller. 2,580,452, Jan. 1.
Automatic playing card dealing apparatus. L. F. Florant. 2,581,247, Jan. 1.
Automatic self-releasing and casting float. W. L. Keen. 2,581,259, Jan. 1.
Automatic starting control. R. M. Nardone. 2,580,820, Jan. 1.
Automobile armrest. N. J. Rakas. 2,581,203, Jan. 1.
Automobile awning support. H. R. Schlagel. 2,580,704, Jan. 1.
Automobile jack. W. J. Peck. 2,580,829, Jan. 1.
Automobile radiator cleaning device. A. E. Lavender. 2,580,800, Jan. 1.
Automotive drive. G. Spatta. 2,581,152, Jan. 1.
Auxiliary air inlet for internal-combustion engines. H. N. Eriskin. 2,580,902, Jan. 1.
Auxiliary spring suspension. C. A. Tea. 2,580,975, Jan. 1.
Axially and angularly adjustable straight beam clamp. M. Zabich. 2,581,317, Jan. 1.
Axially offset, motor operated, impact-type wrench. G. B. Larson and F. A. Kaman. 2,581,033, Jan. 1.
Back rest for seats and chairs, Hydraulically controlled adjustable. H. M. McFadden. 2,581,197, Jan. 1.
Bag: *See*—
Shopping bag.
Bag for bowling balls. L. A. Robinson. 2,580,958, Jan. 1.
Baled hay loader. F. B. Williams. 2,580,633, Jan. 1.
Bandcutter sharpening machine. J. Hexter and W. E. Lanham. 2,580,778, Jan. 1.
Bank, Coin. F. Damiano. 2,581,004, Jan. 1.
Bar: *See*—
Angle post tie bar.
Liquid gauge bar.
Base for automobile jacks, Folding. H. C. Eckels. 2,580,743, Jan. 1.
Bathtub and washtub, Combination. B. L. Archie, Jr. 2,580,638, Jan. 1.
Battery sump. J. I. Diley. 2,580,530, Jan. 1.
Bearing assembly. G. O. Birdwell. 2,580,508, Jan. 1.
Bearing assembly. J. H. Crankshaw. 2,581,173, Jan. 1.
Bearing assembly. H. I. and I. L. Day. 2,581,240, Jan. 1.
Bearing assembly. A. F. Knoblaugh. 2,580,438, Jan. 1.
Bearing, bearing material, and fabricating bearings. A. F. Knoblaugh. 2,580,437, Jan. 1.
Bearing for roller skate wheels. F. J. Wagner. 2,580,489, Jan. 1.
Beer dispensing apparatus with means for carbonating said beer with a mixture of CO_2 and air in definite ratio. W. L. Chapplow. 2,580,516, Jan. 1.
Bending process. A. E. Varner. 2,581,222, Jan. 1.
Beta-hydroxy carboxylic acid lactones from ketene and aldehyde with clay catalyst, Production of. F. G. Young and J. T. Fitzpatrick. 2,580,714, Jan. 1.

Bib structure. A. M. Allen. 2,580,388, Jan. 1.
Bilaterally and uniformly extensible unit. L. R. V. Jacobsen and G. G. Gosline. 2,581,021, Jan. 1.
Bis(p-chlorophenyl) mercaptole acetone and its miticidal activity. A. G. Jelinek. 2,580,550, Jan. 1.
Blade containing and dispensing device. N. Testi. 2,581,332, Jan. 1.
Block: *See*—
Adjustable block.
Blowgun. P. H. Seibel and J. R. Scotti. 2,580,613, Jan. 1.
Blue-fluorescent dyestuffs. W. V. Wirth and S. E. Krahler. 2,581,057, Jan. 1.
Boat, Collapsible. F. Ronne. 2,580,465, Jan. 1.
Bobby pin placement. A. G. Suckley. 2,580,972, Jan. 1.
Boiler feedwater system. R. F. Schaub. 2,581,146, Jan. 1.
Bonded articles and composition therefor, Making. W. L. Wallace and N. P. Robie. 2,580,708, Jan. 1.
Bonding steel to silver. J. B. Brennan. 2,580,652, Jan. 1.
Bone extractor. G. A. Biery. 2,580,992, Jan. 1.
Booster water heater. T. H. Corbett. 2,580,659, Jan. 1.
Booth, Telephone. A. Glazer, N. R. Stryker, and H. F. Hopkins. 2,581,251, Jan. 1.
Bore gauge. J. C. Hinkle. 2,581,256, Jan. 1.
Bottle carrier. C. G. Butler. 2,580,995, Jan. 1.
Bottle carrier convertible to a toy house. E. J. Hennessy. 2,581,100, Jan. 1.
Bottle rack. A. R. Gross. 2,580,676, Jan. 1.
Bowl, Manicure. G. D. Webster. 2,580,981, Jan. 1.
Box: *See*—
Paper box.
Boxmaking machine. W. B. Leavens, Jr. 2,580,562, Jan. 1.
Bra forming device. R. MacHenry and C. A. Martin. 2,580,566, Jan. 1.
Bracket: *See*—
Mote knife bracket.
Bracket for attaching index cards to telephones. C. E. Nagy. 2,580,819, Jan. 1.
Brake. O. Rasmussen and R. C. Rike. 2,580,701, Jan. 1.
Brassière. E. McIlhinney. 2,581,036, Jan. 1.
Breech block and firing mechanism therein. W. Summerbell. 2,580,483, Jan. 1.
Brush and brush handle, Adjustable. N. J. Raptis. 2,581,141, Jan. 1.
Brush cleaner for pants cuffs, Rotary. R. F. Tuck. 2,580,863, Jan. 1.
Bucket, Collapsible. P. Belokin, Jr. 2,580,879, Jan. 1.
Bun forming machine. C. W. Brewer. 2,580,726, Jan. 1.
Burner: *See*—
Oil burner.
Vaporizing vertical pot type oil burner.
Water-heating gas burner.
Cable with helical insulation, Coaxial. T. J. Rhodes. 2,580,838, Jan. 1.
Calendar work for clocks and watches. P. P. Ostevik. 2,580,458, Jan. 1.
Cam actuated adjustable mold clamp. W. Mullenbach. 2,581,040, Jan. 1.
Cam controlled contour polishing. F. R. Whitcomb. 2,581,157, Jan. 1.
Cam device for varying speed of an object. M. A. Schwartz. 2,580,469, Jan. 1.
Cam for operating valves of internal-combustion engines. J. L. H. Bishop. 2,581,233, Jan. 1.
Cam mechanism. B. N. Pierce. 2,580,953, Jan. 1.
Camera and developer, Combination. J. Bass. 2,580,720, Jan. 1.
Candy dispensing toy pump. J. H. Millstein. 2,581,039, Jan. 1.
Cap: *See*—
Sinker cap.
Capsule. T. E. Duffey. 2,580,414, Jan. 1.
Capsules filled with aqueous solutions and preparing the same. P. Kreuger. 2,580,683, Jan. 1.
Car: *See*—
Railway car.
Carrier: *See*—
Bottle carrier.
Enclosed kite-type detector carrier.
Case: *See*—
Key case.
Casket handle. A. L. Gordon. 2,580,909, Jan. 1.
Caster and camber compensation for banking vehicles. J. Kolbe. 2,580,558, Jan. 1.
Catalytic structure of silica on alumina-coated porcelain. E. J. Houdry and J. W. Harrison. 2,580,429, Jan. 1.
Catalyzed sulfide-hydrocarbon reaction products and making same. E. C. Hughes and J. D. Bartleson. 2,580,430, Jan. 1.
Cathode of electron beam devices. W. J. Dodds. 2,581,243, Jan. 1.
Cathode-ray tube focusing device. W. Schiel and N. E. Zacher. 2,580,606, Jan. 1.
Ceiling-suspended elevatable table. H. C. Vrooman. 2,580,980, Jan. 1.
Ceiling-suspended stair. B. J. Triller. 2,580,978, Jan. 1.
Ceiling with recessed lighting fixture, Suspended. C. R. Graves. 2,580,540, Jan. 1.
Centering and caging mechanism for gyroscopes. W. C. Fillebrown. 2,580,748, Jan. 1.
Centrifugal governor. E. M. Kuemmerlein. 2,580,556, Jan. 1.
Centrifugal pump. A. Wahle. 2,581,055, Jan. 1.
Ceramic dipping forms or the like, Making. R. V. Ganz. 2,581,249, Jan. 1.
Chain assembly. F. W. Pfleger and G. E. Canham. 2,580,589, Jan. 1.
Chair and tray, Folding baby. C. Lovelace. 2,580,935, Jan. 1.
Chair of knockdown type. N. R. Underhill. 2,580,707, Jan. 1.
Changing baffle pitch in a heat exchanger. W. N. McCurdy, Jr., and J. V. Whittlesey. 2,581,121, Jan. 1.
Charge forming device. R. M. Hazen and C. J. McDowall. 2,580,384, Jan. 1.
Cheese dispenser. F. J. Upright. 2,580,864, Jan. 1.
Chemical cup for radiators. G. T. Smith and L. H. Munding, Jr. 2,580,856, Jan. 1.
Chlorinated paraffins, Stabilized. J. M. Church and E. W. Johnson. 2,580,730, Jan. 1.
Choline preparations. L. Middendorf. 2,581,038, Jan. 1.
Chopping block or knife anvil. J. H. Dawson. 2,580,526, Jan. 1.
Chrome tanning material, Preparing. R. P. Follett and W. J. Murray. 2,580,417, Jan. 1.
Cigarette holder. A. J. Crone. 2,580,523, Jan. 1.
Cigarette paper. R. E. Matthews and W. D. Harrison. 2,580,568, Jan. 1.
Cigarette paper. M. O. Schur and R. M. Levy. 2,580,609–11, Jan. 1.
Circuit: *See*—
Alarm sending circuit.
Electronic timing circuit.
Tube circuit.
Circuit breaker, Heavy-duty air. J. A. Favre. 2,581,181, Jan. 1.
Circuit for wide-band video amplifiers, Polarity-switching output. H. L. Morrison. 2,580,941, Jan. 1.
Circuits employing germanium diodes as active elements. W. A. Miller. 2,581,273, Jan. 1.
Clamp: *See*—
Axially and angularly adjustable straight beam clamp.
Cam actuated adjustable mold clamp.
Clamp for pipe lines, Repair. T. T. Graham. 2,581,015, Jan. 1.
Clasp, Bracelet. A. A. Harman. 2,580,769, Jan. 1.
Clasp, Necktie. E. S. Mix. 2,581,274, Jan. 1.
Clasp, Snap. K. Gaupp. 2,580,907, Jan. 1.
Cleaner: *See*—
Air cleaner.
Container ejecting suction cleaner.
Side opening suction cleaner.
Suction cleaner.
Windshield cleaner.
Closure means for child's garment. V. L. Stephenson. 2,580,969, Jan. 1.
Clutch: *See*—
Constant speed clutch.
Impact type clutch.
Clutch with a magnetic lining, Magnetic. A. Winther. 2,580,869, Jan. 1.
Coating aluminum with zinc, Method and composition for. S. Helman. 2,580,773, Jan. 1.
Coatings for insulation board. J. K. Wise. 2,581,058, Jan. 1.
Cobalt chloride humidity indicator. P. B. Davis. 2,580,737, Jan. 1.
Coin-controlled unit for slot machines. C. M. Frost. 2,580,906, Jan. 1.
Coin selector. S. D. Polsen and S. H. Nelson. 2,580,590, Jan. 1.
Color television with reduced band width. R. C. Mathes. 2,580,685, Jan. 1.
Colostomy device. T. R. Baxter. 2,581,319, Jan. 1.
Combination disk and impact grinding mill. J. L. Neenan. 2,580,579, Jan. 1.
Combination or key operable door lock. S. Pelle. 2,580,830, Jan. 1.
Combination process for the catalytic hydrodesulfurization and reforming of hydrocarbon mixtures. H. M. Stine. 2,580,478, Jan. 1.
Combination releasable locking device. E. O. Woods. 2,580,495, Jan. 1.
Combined stencil and inking pads, Making. F. R. Wallich. 2,581,153, Jan. 1.
Combustion air feeding structure for oil-burning locomotives. V. Mansfield. 2,580,807, Jan. 1.
Combustion chamber for internal-combustion engines. R. P. Pescara. 2,580,951, Jan. 1.
Communication system. G. K. Jensen and J. Benveniste. 2,580,431, Jan. 1.
Complex ammonium salts and producing the same. F. J. Sowa and E. J. Kenney. 2,580,473, Jan. 1.
Composite cam and cam follower mechanism. R. L. Kenngott. 2,581,109, Jan. 1.
Composition for killing weeds. W. A. Bridgeman. 2,580,653, Jan. 1.
Compressor control. A. B. Newton. 2,581,329, Jan. 1.
Compressor, Free-piston. A. Kalitinsky. 2,581,191, Jan. 1.
Computing device having compound drive rate multiplier. L. E. Topham. 2,580,862, Jan. 1.
Condensation of vapors. C. H. Winter, Jr. 2,580,635, Jan. 1.

Condenser: *See*—
Electric condenser.
Connector for conduits. P. A. Mundy and C. A. Bashford. 2,580,818, Jan. 1.
Constant speed clutch. F. R. van der Woude. 2,581,313, Jan. 1.
Constant tension control. G. Malcom. 2,581,328, Jan. 1.
Contact construction. M. C. Harman. 2,580,910, Jan. 1.
Container: *See*—
Dispensing container.
Container and bottle supporting rack. H. R. E. Heide. 2,581,019, Jan. 1.
Container ejecting suction cleaner. A. H. Beede. 2,580,642, Jan. 1.
Container filling system. E. E. Martin. 2,580,567, Jan. 1.
Container for packaging merchandise. A. E. Weisberg. 2,580,712, Jan. 1.
Container for purses or handbags, Folding. O. M. Guffey. 2,581,099, Jan. 1.
Container package and heating device, Combination. N. T. Naranick. 2,581,131, Jan. 1.
Continuous change-speed gear. H. L. Garnier. 2,580,669, Jan. 1.
Continuous line seismometer. P. H. Foster. 2,581,091, Jan. 1.
Continuous vulcanizing method and apparatus. G. E. Berggren. 2,581,230–2, Jan. 1.
Control line compensating apparatus. C. E. Cushman. 2,581,080, Jan. 1.
Control means for the nozzle outlet area of jet engines. M. H. L. Sédille. 2,580,962, Jan. 1.
Control of office dictation equipment. B. Roberts. 2,581,144, Jan. 1.
Control plane for fish lure bodies, Adjustable. W. R. Cowden. 2,580,733, Jan. 1.
Control system for induction motor and breaking generator combinations. R. G. Widdows, A. C. Dyer, and H. J. Rathbun. 2,581,315, Jan. 1.
Control system for induction motors and braking generator combination. H. J. Rathbun. 2,581,292, Jan. 1.
Controlling and indicating device. H. J. Smith. 2,581,308, Jan. 1.
Controlling humidity, Method and apparatus for. B. H. Bush. 2,580,404, Jan. 1.
Controlling temperatures in a fluidized catalyst hydrocarbon synthesis process. T. C. Main. 2,581,118, Jan. 1.
Converting carbohydrates into bituminous substances. E. V. Murphree. 2,581,130, Jan. 1.
Conveyer flight. M. G. Jewett and B. E. Sivyer. 2,580,786, Jan. 1.
Cooler: *See*—
Evaporative cooler.
Copolymer of styrene and rosin, and esters thereof with the alcoholysis product of a drying oil and a polyhydric alcohol containing free hydroxyl groups. J. A. Arvin and W. B. Gitchel. 2,580,876, Jan. 1.
Copolymer of styrene, glycidyl acrylate and glycidyl methacrylate. J. G. Erickson and W. M. Thomas. 2,580,901, Jan. 1.
Cord equalizing mechanism for Venetian blinds. M. J. Stogran. 2,580,479, Jan. 1.
Core and related tube structure. H. Daniels. 2,580,661, Jan. 1.
Core taking apparatus. E. F. Brady. 2,580,510, Jan. 1.
Correction device for microscopes of the reflection mirror type. P. Grivet and F. Bertein. 2,580,675, Jan. 1.
Corrosion inhibitors in absorption refrigeration system. N. E. Widell. 2,580,983–4, Jan. 1.
Counter and stop mechanism for textile machinery. W. H. Kimpton. 2,580,552, Jan. 1.
Coupling: *See*—
Flexible drive coupling.
Pipe coupling.
Coupling means for garment hanger racks. W. S. Landsman. 2,581,032, Jan. 1.
Cover: *See*—
Disposable toilet seat cover.
Cover arrangement for swimming pools and the like. B. L. Kroeger. 2,580,555, Jan. 1.
Cover catching and holding attachment for can openers. W. J. Bruske. 2,580,887, Jan. 1.
Cover plate for vehicle wheels. W. P. Henderson. 2,580,543, Jan. 1.
Cover stop rod. R. R. Borngraeber. 2,580,650, Jan. 1.
Crankcase scavenger. C. C. Randall. 2,580,594, Jan. 1.
Crank shaper ram and clamp. W. F. Zimmermann. 2,580,497, Jan. 1.
Cross-talk compensation in pulse multiplex system. G. Guanella. 2,580,421, Jan. 1.
Curler, Hair. R. E. Harvuot and A. J. Jones. 2,580,425, Jan. 1.
Cycloidal rotor for aircraft. H. M. Heuver. 2,580,428, Jan. 1.
Cylinder, Compound master. A. B. Seppmann. 2,580,850, Jan. 1.
Cylinder lock. O. A. Blohm. 2,580,882, Jan. 1.
Dashpot for servomotors. W. J. Fletcher. 2,580,751, Jan. 1.
Data look-up apparatus for computing or other machines. F. E. Hamilton, R. R. Seeber, Jr., and R. W. Prentice. 2,580,768, Jan. 1.
Deaerating apparatus. J. M. Kahn. 2,580,791, Jan. 1.
Deflection system. S. I. Tourshou and R. G. Wolcott. 2,580,977, Jan. 1.
Defrosting control in an air-cooling system. J. E. Watkins. 2,580,627, Jan. 1.
Degree level. A. A. Rouse. 2,580,601, Jan. 1.
Deposition of a metal oxide catalyst on a carrier. L. E. Malina. 2,580,806, Jan. 1.
Depth control system for torpedos. H. L. Prescott. 2,580,834, Jan. 1.
Depth-of-groove gauge. J. Longworth. 2,580,445, Jan. 1.
Derivatives of hydroxycycloalkylalkylbenzoylaliphatic acids and producing same. R. R. Burtner. 2,580,402, Jan. 1.
Desulfurizing hydrocarbons with a mixture of ferric and chromic oxides. A. C. Abeel, Jr., and H. J. Hibshman. 2,581,061, Jan. 1.
Detachable carrying device. C. K. Wooden. 2,580,985, Jan. 1.
Detection of electrically charged particles. A. M. Skellett. 2,581,305, Jan. 1.
Detergent composition, Abrasive. C. J. Munter. 2,581,278, Jan. 1.
Detergents and making same, Plastic. R. C. Wood. 2,580,713, Jan. 1.
Device for actuating riders of tabulators for typewriters. E. Aacoli. 2,581,227, Jan. 1.
Device for determining the axis of rotation of rotatable elements. R. S. Griffin. 2,580,674, Jan. 1.
Device for determining turbidity within a body of liquid. P. M. Albert. 2,580,500, Jan. 1.
Device for making packing rings. E. C. Hawkins. 2,580,772, Jan. 1.
Device for operating fastenings for doors of vehicles. L. P. Lord. 2,581,265, Jan. 1.
Device for use in holding cuticles away from finger nails. L. G. and G. F. Delno. 2,580,739, Jan. 1.
Die and stripper, Combination drawing. C. W. Musser. 2,580,454, Jan. 1.
Dihexyl alanine dialkylamides. J. W. Cusic. 2,580,411, Jan. 1.
Dimethyl sulfoxide, Production of. T. H. Smedslund. 2,581,050, Jan. 1.
Disazo dyestuffs and their chromium, iron and cobalt complexes. W. Wehrli and W. Steinemann. 2,580,867, Jan. 1.
Disk nozzle shower device. B. E. Prevost. 2,581,289, Jan. 1.
Dispenser: *See*—
Cheese dispenser.
Paper dispenser.
Tissue sheet dispenser.
Tooth powder dispenser.
Twine dispenser.
Dispenser having brush operated means for reciprocating the supply container and loosening the material contained therein. W. V. Eaton. 2,580,899, Jan. 1.
Dispensing container. R. H. Casler. 2,581,237, Jan. 1.
Disposable toilet seat cover. I. Levin. 2,580,563, Jan. 1.
Distillation tower. D. H. Belden. 2,580,646, Jan. 1.
Doffing arrangement for spinning buckets. H. J. McDermott. 2,580,571, Jan. 1.
Door: *See*—
Weathertight sliding car door.
Door and gate latch. F. Dahlinghaus. 2,581,003, Jan. 1.
Door check and hold open. N. E. Putnam. 2,580,593, Jan. 1.
Door wicket. A. Bloom. 2,581,234, Jan. 1.
Dragging equipment detector for railroads. G. H. Dryden. 2,581,084, Jan. 1.
Dragging equipment detector signaling system for railroads. J. J. Jacobus. 2,581,108, Jan. 1.
Drawbar and support, Combination. S. E. Hill. 2,580,545, Jan. 1.
Drill press. R. A. Braswell. 2,580,398, Jan. 1.
Drill sharpening apparatus. A. H. Bowman. 2,580,884, Jan. 1.
Drill stem wiper. M. A. Bryan. 2,580,727, Jan. 1.
Driller. J. W. Karweit. 2,581,258, Jan. 1.
Driller. M. C. Taylor. 2,581,311, Jan. 1.
Drive construction. D. A. Wallace. 2,581,224, Jan. 1.
Driving and steering mechanism. O. H. Banker. 2,580,381, Jan. 1.
Driving mechanism and control system therefor. E. Orshansky, Jr., T. W. Southack, and B. Kahn. 2,580,946, Jan. 1.
Driving mechanism for extensible antennas and the like. E. Carlson. 2,581,171, Jan. 1.
Dry cell. A. P. Drummond. 2,580,664, Jan. 1.
Drying oils, Preparation of. A. H. Gleason and S. E. Jaros. 2,581,094, Jan. 1.
Dynamometer, Torque. J. A. Bellizzi. 2,580,395, Jan. 1.
Earth anchor. A. A. Hocher. 2,580,915, Jan. 1.
Echo pulse system utilizing the first received echo for control purposes. M. J. Larsen. 2,580,560, Jan. 1.
Elastic fabric. G. H. Fox. 2,581,322, Jan. 1.
Elastomer mold sealing device. E. E. Franz. 2,580,668, Jan. 1.
Electric air heater. M. H. Winner, Jr. 2,580,634, Jan. 1.
Electric condenser. H. F. Schwarz and W. J. O'Brien. 2,580,612, Jan. 1.
Electrical adapter unit. T. E. Carroll. 2,580,515, Jan. 1.

Electrical brush contact device. G. R. Lum. 2,581,266, Jan. 1.
Electrical device and terminal therefor. J. R. Joyce. 2,581,024, Jan. 1.
Electrical remote-control system. C. L. Goodwin. 2,580,539, Jan. 1.
Electrical test prod. R. E. Kraft and G. Washington, Jr. 2,580,682, Jan. 1.
Electrically heated fabric. D. C. Spooner, Jr. and M. S. Greenhalgh. 2,581,212, Jan. 1.
Electrode and electrolytic condenser. J. B. Brennan. 2,580,399, Jan. 1.
Electrometer transducer with dual mode of operation. H. W. Ashton. 2,581,066, Jan. 1.
Electron discharge device. H. G. Anderson. 2,580,988, Jan. 1.
Electron prod. A. E. Ericson. 2,580,416, Jan. 1.
Electronic relay arrangement for protecting power systems. R. H. Macpherson. 2,581,196, Jan. 1.
Electronic timing circuit. J. L. Solomon. 2,580,967, Jan. 1.
Electrooptical pulse generator. E. Ackerlind. 2,580,498, Jan. 1.
Elevator dispatching system. W. F. Eames. 2,581,245, Jan. 1.
Elevator safety device. L. R. Rissler. 2,581,297, Jan. 1.
Enclosed kite-type detector carrier. J. W. Flude. 2,580,537, Jan. 1.
Engaging and holding means for drapery headings and the like. F. J. Schwartz. 2,580,840, Jan. 1.
Engine: *See*—
Internal-combustion engine.
Engine air induction control system. F. C. Reggio. 2,581,334, Jan. 1.
Engine fuel system. J. N. Novak. 2,580,696, Jan. 1.
Envelope. A. M. Broudy. 2,580,886, Jan. 1.
Evaporative cooler. E. H. Osburn and R. Walklin. 2,580,826, Jan. 1.
Exercising device. N. D. Lantry. 2,580,932, Jan. 1.
Extractor: *See*—
Bone extractor.
Juice extractor.
Eye protective device. G. H. Schauweker. 2,580,605, Jan. 1.
Fabric: *See*—
Elastic fabric.
Electrically heated fabric.
Fabric and making the same, Knitted. E. S. Barsby and A. P. Saunders. 2,580,506, Jan. 1.
Face powder dispensing receptacle. W. Majewski. 2,581,267, Jan. 1.
Fan, Wall box. G. H. Koch. 2,580,797, Jan. 1.
Fastener: *See*—
Quick-acting, self-locking fastener.
Resilient screw fastener.
Fastener forming and driving device. J. C. Lang. 2,580,444, Jan. 1.
Fastening device, Adjustable. N. Statham. 2,580,477, Jan. 1.
Feed control for counting machines. A. R. Buchholz and W. A. Barganz. 2,581,074, Jan. 1.
Feeder apparatus for spreader stokers. H. G. Meissner and G. P. Jackson. 2,581,037, Jan. 1.
Fertilizer agitator and aerator. D. Sherman. 2,580,854, Jan. 1.
Fiberboard construction. G. E. Babcock, V. L. Johnsen, and A. K. Smith. 2,580,391, Jan. 1.
Fifth wheel handle. E. J. Greenawalt. 2,581,254, Jan. 1.
Filling for the fuel compartments of lighters. A. F. Reilly. 2,580,463, Jan. 1.
Filter: *See*—
Antenna filter.
Oil filter.
Filter and temperature control. S. O. Morrison. 2,581,125, Jan. 1.
Filtration of sewage, Two stage. J. Gunz. 2,580,764, Jan. 1.
Finger shield device. A. B. Dee. 2,580,893, Jan. 1.
Finger type circuit regulator. A. M. Cohen. 2,580,732, Jan. 1.
Fire control. C. H. Shaw. 2,581,149, Jan. 1.
Fire extinguisher, Automatic. D. W. Hartzell. 2,581,324, Jan. 1.
Fire-extinguishing apparatus. N. S. Griggs. 2,580,419, Jan. 1.
Fire extinguishing apparatus, Portable. D. Mapes and W. A. V. Thomsen. 2,580,448, Jan. 1.
Fire-tube boiler and boiler operation, High rating. J. J. Wolfersperger. 2,581,316, Jan. 1.
Fishing float. W. L. Keen. 2,581,260, Jan. 1.
Fishing reel. B. Bannister. 2,580,990, Jan. 1.
Fishing reel. R. H. Hewlett. 2,580,777, Jan. 1.
Fishing rod holder. C. A. Waltz. 2,580,625, Jan. 1.
Flapaileron for airplanes. F. W. Ross. 2,580,841, Jan. 1.
Flash removing machine. H. E. Morton. 2,580,817, Jan. 1.
Flashlight with retractable mount for auxiliary lamps, Portable electric. B. F. Muldoon. 2,581,129, Jan. 1.
Flexible drive coupling. J. F. Hoffer. 2,580,781, Jan. 1.
Flexible steering wheel mounting. J. S. Yohn. 2,580,986, Jan. 1.
Flow controlling device. G. E. Renfro. 2,580,595, Jan. 1.
Flow indicator. A. Kehm. 2,580,928, Jan. 1.
Flower box and house marker, Combination. C. Goyette. 2,580,671, Jan. 1.
Fluid control system. A. J. Miller. 2,580,691, Jan. 1.
Fluid handling swivel joint. D. C. Warren. 2,580,626, Jan. 1.
Flush tank ball operator. G. R. Driskill. 2,580,531, Jan. 1.
Flushing tank. A. Dumigrón y Alzugary. 2,580,898, Jan. 1.
Flux dam for galvanizing kettles. L. W. Bechter. 2,580,394, Jan. 1.
Focusing and illuminating device for cameras. E. J. Rossman and B. F. Bower. 2,581,300, Jan. 1.
Forked connecting member. F. Schaefer. 2,581,048, Jan. 1.
Formation tester. R. H. Blood. 2,581,070, Jan. 1.
Forming cigarette paper. M. O. Schur and R. M. Levy 2,580,608, Jan. 1.
Forming damping structures. F. M. Le Compte. 2,581,193, Jan. 1.
Forming paper can bodies. R. M. Dunning and R. Guyer 2,580,665, Jan. 1.
Forming plastic castings with metallic inserts. L. H. Morin. 2,580,816, Jan. 1.
Forming the bottoms of glass ampoules or bottles or the like. G. Coby. 2,580,658, Jan. 1.
Forms for the manufacture of dipped rubber goods or other articles, Making. R. V. Ganz. 2,581,248, Jan. 1.
Foundation structure for derricks. F. R. Harris. 2,580,911, Jan. 1.
Fowl-picking apparatus. J. A. Galamb. 2,581,183, Jan. 1.
Fractionation control. D. M. Boyd, Jr. 2,580,651, Jan. 1.
Fractionation of gaseous mixtures. L. D. Etherington and H. W. Scheeline. 2,581,088, Jan. 1.
Frame: *See*—
Hack saw frame.
Skewer roaster frame.
Frame building dismantling tool. H. P. Fehler. 2,581,090, Jan. 1.
Frame structure, Sectional. C. R. Athy and C. R. Konkle. 2,580,503, Jan. 1.
Frequency conversion system for superheterodyne radio receivers. R. B. Dome. 2,581,177, Jan. 1.
Friction drum winding machine. C. A. Dickhaut. 2,581,242, Jan. 1.
Fuel feed and power control system for gas turbines, jet propulsion, and the like. F. C. Mock. 2,581,276, Jan. 1.
Fuel feed responsive to air pressure and temperature, fuel flow, and speed for gas turbines. F. C. Mock. 2,581,275, Jan. 1.
Fuel regulating and safety shutoff valve. R. R. Waterman. 2,580,866, Jan. 1.
Fuel supply system. M. A. Trisler. 2,580,706, Jan. 1.
Fumigating apparatus, Soil. L. D. Funk. 2,580,755, Jan. 1.
Furnace: *See*—
Oil burning hot-air furnace.
Furnace discharge apparatus. N. W. F. Phillips. 2,580,700, Jan. 1.
Game apparatus, Football. J. M. Spiegel. 2,580,616, Jan. 1.
Garage door locking mechanism. R. E. Nowak. 2,580,584, Jan. 1.
Garment, Apparel. M. G. Rosenfeld. 2,581,206, Jan. 1.
Garment, Combined skirted and bifurcated. M. C. Helbig. 2,580,774, Jan. 1.
Garment holder. C. Brodkey. 2,580,885, Jan. 1.
Gas burner, including combustion tunnel. R. M. Buck. 2,581,075, Jan. 1.
Gasket, Jacketed. C. M. Hobson, Jr. 2,580,546, Jan. 1.
Gauge: *See*—
Bore gauge.
Depth-of-groove gauge.
Liquid level gauge.
Mud pressure gauge.
Taper gauge.
Thickness gauge.
Gauge. G. N. Levesque. 2,581,264, Jan. 1.
Gear: *See*—
Continuous change-speed gear.
Planetary change-speed gear.
Gear assembly for totalizators. A. F. and G. A. Julius. 2,580,790, Jan. 1.
Gear casing. B. J. Merkle. 2,581,123, Jan. 1.
Gear train. K. W. Mozur. 2,581,128, Jan. 1.
Generator: *See*—
Electrooptical pulse generator.
Harmonic generator.
Negative resistance pulse generator.
Sawtooth wave generator.
Speed responsive generator.
Generator and system utilizing it, Saw-tooth. R. E. Graham. 2,580,672–3, Jan. 1.
Geophone. W. A. Alexander. 2,581,063, Jan. 1.
Glasses of high resistivity and low dielectric losses. A. Danzin. 2,580,662, Jan. 1.
Glue drying process. A. W. De Vout. 2,581,081, Jan. 1.
Grain saving device for threshing machines. S. F. McPhail. 2,581,198, Jan. 1.
Grease dispersion. G. V. Browning. 2,580,654, Jan. 1.
Grille guard. L. C. and T. R. Helms, G. Tungett and U. K. Noonan. 2,580,775, Jan. 1.
Grinding lobed forms. M. H. Arms. 2,580,989, Jan. 1.
Grooving of index cards. W. Schempers. 2,581,049, Jan. 1.
Guide tube. L. Barrett. 2,580,991, Jan. 1.
Hack saw frame. J. H. Dohner. 2,580,896, Jan. 1.

Hair drying equipment. D. H. Thomas. 2,580,619, Jan. 1.
Halo-alkoxy-hexene-ynes. M. S. Newman. 2,581,283, Jan. 1.
Halogenated aryl fatty acid, Production of. D. Papa and E. Schwenk. 2,580,459, Jan. 1.
Halogenated trifluoromethylstyrene materials and making same. G. B. Bachman and L. L. Lewis. 2,580,504, Jan. 1.
Handle: *See*—
Casket handle.
Fifth wheel handle.
Handle for containers. E. M. Oliver and B. F. Malherbe. 2,580,824, Jan. 1.
Handle for portable fire extinguishers. L. Gordon. 2,581,013, Jan. 1.
Handle structure. A. S. Allen. 2,581,062, Jan. 1.
Handling finely divide materials, Method and apparatus for. G. Niemitz. 2,580,581, Jan. 1.
Handling pipes or conduits. L. E. Smith. 2,580,471, Jan. 1.
Hanger: *See*—
Self-locking twin garment hanger.
Hanger arrangement for supplemental windows. W. F. Barnard. 2,580,877, Jan. 1.
Harmonic generator. C. A. Lovell and D. B. Parkinson. 2,580,446, Jan. 1.
Harvester, Asparagus. A. J. Matteoli. 2,581,119, Jan. 1.
Harvester with lifter, Beet. T. H. Jensen. 2,580,432, Jan. 1.
Haulage apparatus for mining machines. J. C. Sproul. 2,581,052, Jan. 1.
Heat accumulator. A. Escher. 2,580,534, Jan. 1.
Heater: *See*—
Booster water heater.
Electric air heater.
Helix mounting system. P. W. Rohrberg. 2,580,464, Jan. 1.
Helmet, Swimming. D. J. and R. L. Douglas. 2,581,007, Jan. 1.
Herbicidal composition. F. J. Sowa. 2,580,474, Jan. 1.
Heterocyclic compounds, Substituted. J. M. Sprague and A. H. Land. 2,580,476, Jan. 1.
High fidelity sound reproducing unit with resiliently suspended baffle plate. M. K. Hodge. 2,580,916, Jan. 1.
High-frequency directional coupler apparatus. W. W. Hansen. 2,580,679, Jan. 1.
High-frequency electrical apparatus. J. F. Frese. 2,580,418, Jan. 1.
High-frequency measuring apparatus. W. W. Hansen and T. Moreno. 2,580,678, Jan. 1.
High-temperature quick action thermocouple. A. J. Battey. 2,581,229, Jan. 1.
Hinge. B. Shwayder. 2,581,151, Jan. 1.
Hinge, Adjustable. G. W. Houlsby, Jr. 2,581,104, Jan. 1.
Hitch. C. M. Harris. 2,580,770, Jan. 1.
Hoe, Laterally adjustable oscillating. O. C. Lytle. 2,580,936, Jan. 1.
Hoisting apparatus. L. L. Eakin. 2,581,087, Jan. 1.
Holder: *See*—
Cigarette holder.
Fishing rod holder.
Garment holder.
Knitting machine jack holder.
Map holder.
Saw holder.
Shelf toothbrush holder.
Holder and dispenser, Combination condiment and toothpick. O. F. Couchot. 2,580,521, Jan. 1.
Hot plate, Electric. H. S. Perlman. 2,580,698, Jan. 1.
Hybrid transformer coupling network for very high frequencies. D. Weighton. 2,581,156, Jan. 1.
Hydraulic pulsator transmission system for converting rotary motion into reciprocatory motion. C. I. Lattig. 2,580,561, Jan. 1.
Hydraulic system comprising a servo-motor of the follow-valve type and improved control means therefor. E. M. May. 2,580,686, Jan. 1.
Hydraulic tappet. O. H. Banker. 2,580,382, Jan. 1.
Hydraulic torque meter. T. Clark and H. E. Harvey. 2,581,239, Jan. 1.
Hydraulic transmission, Vane type. R. H. Carson. 2,581,172, Jan. 1.
Hydrogenation. H. K. Dice, S. B. Jeffries, Jr., and W. D. Hull. 2,580,528, Jan. 1.
Image dissector tube. B. M. Oliver. 2,580,697, Jan. 1.
Imidazolinylalkyl ethers of pyridylcarbinols. N. Sperber, D. Papa, and E. Schwenk. 2,580,475, Jan. 1.
Impact tool. E. R. Whitledge. 2,580,631, Jan. 1.
Impact type clutch. P. E. Schmid. 2,580,607, Jan. 1.
Improving the quality of naphthenic acids. J. Prophet, Jr. 2,581,139, Jan. 1.
Impulse-actuated program device. R. B. Johnson. 2,580,787, Jan. 1.
Indicator: *See*—
Cobalt chloride humidity indicator.
Flow indicator.
Inertial air cleaner and silencer. A. S. Chipley. 2,580,655, Jan. 1.
Inhaler. M. R. Fields. 2,581,182, Jan. 1.
Injection pump. V. J. Jandasek. 2,580,785, Jan. 1.
Insecticides. R. Cross. 2,581,174, Jan. 1.
Insert for neckties. J. A. Hirsch. 2,580,914, Jan. 1.
Instrument, Precision measuring. H. F. Wallen. 2,580,865, Jan. 1.
Instrument, Writing. H. C. Frentzel. 2,580,754, Jan. 1.
Interleaving apparatus. R. W. Bailey. 2,580,379, Jan. 1.
Interlocking mechanism for register apparatus. R. L. Thompson. 2,581,218, Jan. 1.
Internal-combustion engine. W. A. McMillan. 2,580,572, Jan. 1.
Intravenous solution technique and apparatus. R. R. Rausch. 2,580,836, Jan. 1.
Isocyanate, Preparing an. F. C. Schaefer and E. K. Drechsel. 2,580,468, Jan. 1.
Jack: *See*—
Automobile jack.
Jet engine having a plurality of turbocompressors operable in parallel or in series. R. J. Pouit. 2,580,591, Jan. 1.
Joint: *See*—
Appliance handle joint.
Fluid handling swivel joint.
Journal lubricator. J. W. Hulson. 2,581,020, Jan. 1.
Juice extractor. R. C. Read and F. J. Gregor. 2,581,294, Jan. 1.
Key case. J. E. Rom. 2,580,600, Jan. 1.
Key case. S. W. Sam. 2,580,844–5, Jan. 1.
Kiln for regenerating absorbents. J. W. Payne. 2,580,827, Jan. 1.
Kinetic energy coaster for bicycles. S. P. Nemeth. 2,580,944, Jan. 1.
Kitchen cabinet arrangement and table. B. Hoppe. 2,580,784, Jan. 1.
Knitting machine jack holder. J. Václavík. 2,580,620, Jan. 1.
Knitting machine, Straight bar. A. P. Saunders. 2,580,603, Jan. 1.
Knitting machines, Power-operated circular. E. V. Stibbe and L. W. Gibbins. 2,580,617, Jan. 1.
Lace. S. W. Sam. 2,580,843, Jan. 1.
Lacing machine. F. E. Wirtz. 2,580,871, Jan. 1.
Lapping machine. H. S. Indge. 2,581,106, Jan. 1.
Latch: *See*—
Door and gate latch.
Lead screw threading attachment. A. E. Drissner and R. Beacom. 2,581,082, Jan. 1.
Leg rest for invalids, Adjustable. A. E. Kenworthy. 2,581,110, Jan. 1.
Length sorting device. D. W. Molins and F. F. Ruau. 2,580,940, Jan. 1.
Lens blocking device. D. P. Bernheim and C. G. Silverberg. 2,580,507, Jan. 1.
Lens control mount for stereoscopic projectors. L. R. Wottring. 2,580,874, Jan. 1.
Lens mount for spectacles, Supplemental. M. I. Steckler. 2,580,859, Jan. 1.
Letter sheet. I. M. Johansson. 2,580,386, Jan. 1.
Light and socket therefor, Test. C. R. Lewis. 2,581,116, Jan. 1.
Light fixture and fan, Combination. S. R. Gordon. 2,581,185, Jan. 1.
Lighter, Cigarette. J. M. Adams. 2,580,499, Jan. 1.
Line ruling attachment for typewriters. J. Bosquet. 2,581,167, Jan. 1.
Liquefied gas discharge pump. R. E. Bludeau. 2,580,649, Jan. 1.
Liquid gauge bar. W. P. Weldinger. 2,580,711, Jan. 1.
Liquid level gauge. A. Edelman. 2,581,085, Jan. 1.
Liquid level responsive switch. W. H. Gille. 2,580,759, Jan. 1.
Liquid oxygen converter. W. A. Wildhack. 2,580,710, Jan. 1.
Liquid treating apparatus and process, Slurry type. W. H. Green. 2,580,761, Jan. 1.
Locating casing collars in a well. G. Herzog. 2,580,544, Jan. 1.
Lock: *See*—
Combination or key operable door lock.
Cylinder lock.
Turnbuckle lock.
Lock nut. G. A. Tinnerman. 2,581,312, Jan. 1.
Lock washer. S. L. Terry. 2,581,217, Jan. 1.
Locking device for locking shafts against rotation. F. de Hoffmann. 2,580,894, Jan. 1.
Locking mechanism, Car door. G. B. Dorey. 2,580,897, Jan. 1.
Louver construction. A. B. Madson. 2,580,937, Jan. 1.
Low-temperature iso-olefin polymerization with aluminum chloride containing aluminum metal. H. G. Schutze. 2,581,147, Jan. 1.
Lubricating apparatus. J. F. Walker. 2,581,314, Jan. 1.
Lubricating grease, Extreme pressure. A. J. Morway and J. J. Kolfenbach. 2,581,126, Jan. 1.
Lubricating grease, High-temperature. A. J. Morway and J. J. Kolfenbach. 2,581,127, Jan. 1.
Lubricating oil. R. F. Nelson, A. J. Deutser, and M. R. Hefty. 2,581,132, Jan. 1.
Lubricator: *See*—
Journal lubricator.
Machine and method for fastening hassocks. O. R. Haas. 2,581,017, Jan. 1.
Machine for decapping honeycombs. T. M. Bogenschutz. 2,580,397, Jan. 1.
Machine for distributing fertilizer material and the like. M. E. Lehman. 2,581,263, Jan. 1.
Machine for folding carton inserts. G. B. Sayre and O. Winz. 2,580,846, Jan. 1.

Machine for grinding the ends of coiled springs. H. E. Heath. 2,580,542, Jan. 1.
Machine for setting-up cartons. D. Levkoff. 2,581,115, Jan. 1.
Machine for shaking sieves and the like, operable by a relatively incompressible liquid. A. I. Siimes. 2,581,303, Jan. 1.
Machine for the homogenization of plastic masses. A. Kruzik. 2,581,031, Jan. 1.
Magnetic wire footage meter. B. R. Shepard and T. T. Short. 2,581,209, Jan. 1.
Magnetically fired ignition device. J. V. McNulty. 2,580,689, Jan. 1.
Magnifying reflection viewer for stereoscopic pictures. J. C. Copeland. 2,581,000, Jan. 1.
Making lustrous steel music wire. W. E. Leonard. 2,580,801, Jan. 1.
Making two-sided fabric using sulfur acid esters of leuco vat dyes and actinic rays. G. F. Womble. 2,580,873, Jan. 1.
Manufacturing oil gas. E. L. Hall. 2,580,766, Jan. 1.
Map holder. V. P. Drury. 2,581,083, Jan. 1.
Master cylinder relief valve. A. B. Seppmann. 2,580,851, Jan. 1.
Measurement apparatus. S. E. Norris. 2,580,457, Jan. 1.
Measuring microwave frequencies. R. L. Sproull. 2,580,968, Jan. 1.
Meat market. F. Puttre. 2,581,140, Jan. 1.
Mechanical measuring device. R. P. Ballou. 2,580,717, Jan. 1.
Mechanical movement. K. O. Sisson. 2,580,963, Jan. 1.
Mechanism for weaving. W. J. Budzyna and M. R. Flamand. 2,580,994, Jan. 1.
Metal detector. E. A. Gilbert. 2,580,670, Jan. 1.
Metallurgy. J. L. Ellis and C. G. Goetzel. 2,581,253, Jan. 1.
Meter: *See*—
Hydraulic torque meter.
Magnetic wire footage meter.
Meter and coin slot therefor, Parking. R. Broussard. 2,580,400, Jan. 1.
Method and absorption means for separating and for recovering carbon monoxide from gas mixtures. H. Deringer. 2,580,527, Jan. 1.
Methylation of aromatics. M. H. and E. Gorin. 2,581,014, Jan. 1.
Mill: *See*—
Combination disk and impact grinding mill.
Rotary grinding or drying mill.
Mineral oil composition containing a polymericalkyl metaphosphimate. F. P. Otto and R. W. Barrett. 2,580,587, Jan. 1.
Mining machine. J. B. Mayor. 2,580,569, Jan. 1.
Mixing substances. B. E. Hirshon. 2,580,780, Jan. 1.
Modulation of high-frequency energy. J. J. Stickler. 2,580,970, Jan. 1.
Modulation system. W. W. Moe. 2,580,692, Jan. 1.
Mortar spreader. T. Kimura. 2,580,929, Jan. 1.
Mote knife bracket. G. C. Nix. 2,580,582, Jan. 1.
Motor: *See*—
Variable-speed electric motor.
Motor reversing means, Electric. J. L. Bonanno and R. E. Beger. 2,581,166, Jan. 1.
Mount for candlestick lubricators for car and locomotive wheel flanges. C. E. McMillan. 2,580,687, Jan. 1.
Mounting: *See*—
Flexible steering wheel Sash mounting.
mounting.
Mounting for lock mechanism. E. N. Jacobi. 2,580,548, Jan. 1.
Mounting for wall forms. U. Fiorenzi. 2,580,536, Jan. 1.
Mud pressure gauge. J. C. Conrad. 2,580,999, Jan. 1.
Muffler with tuned side branch silencing chambers. E. Ludlow. 2,580,564, Jan. 1.
Multiengine contra-rotating propeller drive transmission. E. F. Burton and C. S. Glasgow, Jr. 2,581,320, Jan. 1.
Multiple level dump structure. F. J. Avery. 2,581,067, Jan. 1.
Multistage variable-saturation tuning system and apparatus. D. B. Post. 2,581,202, Jan. 1.
Multitank aircraft fuel system. D. Samiran. 2,580,467, Jan. 1.
N-disubstituted-amino t-hydroxy ketones. R. S. Wilder and D. F. Herman. 2,580,494, Jan. 1.
N-substituted-2,5-dimethyl-2,5-dicyanopyrrolidines. P. L. De Benneville and J. S. Strong. 2,580,738, Jan. 1.
Nail packaging machine. S. Otto. 2,581,042, Jan. 1.
Necktie material display device. J. A. Hirsch. 2,581,101, Jan. 1.
Needle press mechanism for straight knitting machines. O. F. Smetana. 2,581,307, Jan. 1.
Negative resistance pulse generator. R. C. Guthrie. 2,580,423, Jan. 1.
Nitrilotrispropionamide, Preparation of. E. W. Pietrusza. 2,580,832, Jan. 1.
Noisemaker and action toy, Combined. C. H. Dietze, Jr. 2,580,413, Jan. 1.
Nondeforming holding means for gauges. W. J. Darmody. 2,580,412, Jan. 1.
Nozzle construction for use in the pneumatic handling of flour and the like. R. A. Norbom. 2,580,823, Jan. 1.
Nozzle, Fuel servicing. D. Samiran. 2,580,466, Jan. 1.
Nozzle having internal baffles, Vacuum cleaner. D. R. Creswell. 2,581,002, Jan. 1.
Nozzle with cleaning means, Spray. F. W. Hochmuth. 2,580,385, Jan. 1.
Offset burner lighter and viewer device. R. H. Sims. 2,581,304, Jan. 1.
Oil burner. H. E. Nelson. 2,580,578, Jan. 1.
Oil burner safety control system. F. H. Hibbard. 2,581,188, Jan. 1.
Oil burning hot-air furnace. W. C. Roberts. 2,581,145, Jan. 1.
Oil filter. G. J. Morgenthaler. 2,581,277, Jan. 1.
Oil gas, Manufacturing. E. L. Hall. 2,580,767, Jan. 1.
Olefin-diolefin copolymers and mercaptan adducts. J. D. Garber and W. C. Hollyday, Jr. 2,581,092, Jan. 1.
1-halo-6-alkoxy-4-methylhexadiene-2,4 and preparation thereof. M. S. Newman. 2,581,284, Jan. 1.
1-hydroxy-6-alkoxy-4-methylhexene-4-yne-2 and lower fatty acid esters thereof. M. S. Newman. 2,581,282, Jan. 1.
Open-hearth steel, Manufacture of. G. V. Slottman. 2,580,614, Jan. 1.
Opener, Can. R. D. Colgrove. 2,580,998, Jan. 1.
Operating liquid reflux systems in fractional distillation. C. W. Smith. 2,581,051, Jan. 1.
Outside metal blind. W. H. Stewart. 2,581,215, Jan. 1.
Outside metal blind and operating means therefor. A. C. Fletcher. 2,581,321, Jan. 1.
Oven door glass lifting means. H. M. Reeves. 2,580,957, Jan. 1.
Oven, Reflector. K. W. Jarvis. 2,580,925, Jan. 1.
Oxa-glycol dilevulinates. W. S. Emerson and R. I. Longley, Jr. 2,581,008, Jan. 1.
Oxidation of dicyclic hydrocarbons. L. K. Beach. 2,581,068, Jan. 1.
Package for twine, rope, or the like. H. Epstein. 2,580,900, Jan. 1.
Packaging machine. H. C. Noe. 2,580,456, Jan. 1.
Packaging machine. F. R. Piper and J. M. Gardner. 2,580,833, Jan. 1.
Pan, Compartment frying. M. M. Anderson. 2,581,161, Jan. 1.
Paper box. J. A. O'Reilly. 2,580,586, Jan. 1.
Paper dispenser. B. F. Lacy and F. O. Reichardt. 2,580,684, Jan. 1.
Paper having improved printing characteristics. B. K. Green. 2,581,186, Jan. 1.
Parking meter collection receptacle. R. Broussard. 2,580,401, Jan. 1.
Pattern scribing tool. C. L. Eldh. 2,581,179, Jan. 1.
Pen, Ball point fountain. H. C. Frentzel. 2,580,753, Jan. 1.
Permanent magnet system for loudspeakers. P. G. A. H. Voigt. 2,581,223, Jan. 1.
Phase measuring device. G. R. Logan. 2,580,803, Jan. 1.
Phase sequence and voltage direction indicator. W. Du Broff. 2,581,178, Jan. 1.
Phenol formaldehyde-rye flour-sodium hydrosulfite containing adhesive composition. L. E. Clark, Jr. 2,580,890, Jan. 1.
Phonograph pickup, Dual stylus. D. J. Munroe. 2,580,694, Jan. 1.
Phosphoric acid-carbon catalyst, Preparation of a. M. S. Bielawski. 2,580,647, Jan. 1.
Photoelectric device for indicating the diminution of light. E. Meili. 2,581,271, Jan. 1.
Photographic processing apparatus. E. H. Heyer and E. Z. Walters. 2,580,779, Jan. 1.
Pickling. Y. Murata. 2,580,943, Jan. 1.
Pilot wire control for automatic reclosing circuit breakers. W. L. Sprengle. 2,580,858, Jan. 1.
Pin bearing, material therefor, and making. A. F. Knoblaugh. 2,580,436, Jan. 1.
Pinticket manufacturing and attaching machine. R. W. Clauss. 2,580,408, Jan. 1.
Pipe: *See*—
Smoking pipe.
Tobacco pipe.
Pipe coupling. A. H. Salmond and T. Denluck. 2,581,047, Jan. 1.
Pipe holding slip. W. L. Pearce. 2,580,828, Jan. 1.
Piston. A. G. Herreshoff. 2,581,326, Jan. 1.
Pivotally supported tire bead forcing device. E. E. Edenfield and E. M. Gabriel. 2,581,086, Jan. 1.
Planetary change-speed gear. R. C. Clerk. 2,580,656, Jan. 1.
Planetary change-speed gear. R. C. Clerk. 2,580,891, Jan. 1.
Plasticized copolymers of acrylonitrile and styrene. E. C. Chapin. 2,580,997, Jan. 1.
Plate stop mechanism for stereotype plate registering and trimming machines. P. L. Tollison and C. L. Ricards. 2,581,220, Jan. 1.
Pole supported fruit gatherer. S. Cardinale. 2,581,236, Jan. 1.
Polybutadiene padding bath for shrinkproofing wool. J. B. Rust and C. W. Pfeifer. 2,580,602, Jan. 1.
Polyvinyl halides plasticized with (1',2'-dicarboxyethyl) octadecenoates. J. Dazzi. 2,581,005, Jan. 1.
Polyvinyl halides plasticized with (1',2'-dicarboxyethyl) undecylenates. J. Dazzi. 2,581,006, Jan. 1.

Porcelain enamel article and producing same. B. J. Sweo. 2,581,310, Jan. 1.
Portable apparatus for obtaining linear measurements. G. A. Gentsch. 2,580,538, Jan. 1.
Portable enclosure. C. T. Bartlett. 2,581,318, Jan. 1.
Portable stadium cushion and/or sports cushion. W. S. Faulkner, Jr. 2,580,904, Jan. 1.
Positive pressure machine for forming continuous strips of asbestos-cement compositions and the like. A. D. Simpson. 2,581,210, Jan. 1.
Powder metallurgy articles. C. G. Goetzel and J. L. Ellis. 2,581,252, Jan. 1.
Powder-sprinkling apparatus. C. Nicolle. 2,580,580, Jan. 1.
Power assisted control. S. H. E. Garside. 2,581,250, Jan. 1.
Power shaft attachment for tractors. E. H. Beccard. 2,580,721, Jan. 1.
Power-transmitting mechanism for vehicles. G. F. Karow. 2,581,025, Jan. 1.
Preliminary finishing machine. H. L. Bishop. 2,580,723, Jan. 1.
Preparation of siloxanes by reacting dialkyldichlorosilanes with coupric oxide. C. Shaw, W. E. Smith, and H. G. Emblem. 2,580,852, Jan. 1.
Preserving the freshness of cut ferns. M. P. Rogers. 2,581,299, Jan. 1.
Press: *See*—
Drill press.
Press guiding gib. R. Japikse. 2,581,022, Jan. 1.
Pressure operated resistor. J. Clark. 2,580,407, Jan. 1.
Pressure responsive control device for vacuum cleaners. F. C. Doughman. 2,580,643, Jan. 1.
Pressure sensitive engine shutdown device. D. L. Richardson. 2,580,596, Jan. 1.
Preventing entrainment of liquid refrigerant with refrigerant gas. E. R. Magnus. 2,580,805, Jan. 1.
Prevention of corrosion in steam generation. A. L. Jacoby. 2,580,923–4, Jan. 1.
Prevention of foaming in steam generation. P. G. Bird, A. L. Jacoby, and R. W. Kell. 2,580,880, Jan. 1.
Prevention of foaming in steam generation. A. L. Jacoby. 2,580,922, Jan. 1.
Primary cell structure. G. B. Ellis. 2,580,415, Jan. 1.
Printing machine for small articles. J. R. Newell. 2,581,281, Jan. 1.
Procedure for disinfecting aqueous liquids with bromine. H. C. Marks and F. B. Strandskov. 2,580,808, Jan. 1.
Procedure for purifying aqueous liquid. H. C. Marks and F. B. Strandskov. 2,580,809, Jan. 1.
Process and apparatus for the production of artificial fibers. D. Horsák. 2,580,918, Jan. 1.
Producing electroforms. W. H. Banks and P. B. Upton. 2,580,718, Jan. 1.
Products for coating molds and ingot molds. H. J. Daussan. 2,580,524, Jan. 1.
Projection printer. L. Pavelle. 2,581,136, Jan. 1.
Promoting cracking reactions of hydrocarbons by the addition of organic peroxides. R. T. Bell. 2,581,163, Jan. 1.
Propeller cuff, Adjustable. F. V. H. Judd. 2,580,789, Jan. 1.
Protective closure. J. R. Grenier and E. W. Dormeyer, Jr. 2,580,762, Jan. 1.
Protective composition for metal surfaces. H. L. Vogl and A. M. Stieber. 2,580,488, Jan. 1.
Protein adhesives containing dicyandiamide compounds as fluidizing agents. C. G. Landes and J. Studeny. 2,581,111, Jan. 1.
Protein adhesives containing dicyanimide compounds as fluidizing agents. C. G. Landes and J. Studeny. 2,581,112, Jan. 1.
Protein adhesives containing dicyanoguanidine compounds as fluidizing agents. C. G. Landes and J. Studeny. 2,581,113, Jan. 1.
Pulse signaling means. R. Sueur. 2,580,973, Jan. 1.
Pump: *See*—
Candy dispensing toy pump.
Liquefied gas discharge pump.
Centrifugal pump.
Variable volume pump.
Injection pump.
Pump and fan, Liquid cooling. W. B. Clifford. 2,580,517, Jan. 1.
Punch. F. J. Furman. 2,580,756, Jan. 1.
Puncturing holder for gas cartridge. B. P. Baker. 2,580,639, Jan. 1.
Purification of dinitro compounds. T. F. Doumani and R. W. Long. 2,580,742, Jan. 1.
Purifying isobutylene by sulfuric acid extraction. W. A. Arnold. 2,581,065, Jan. 1.
Push button having two positions in one of which it is illuminated. R. J. Thomas. 2,581,053, Jan. 1.
Quaternary ammonium salts of morpholyl ethers. J. B. and V. Niederl, and M. E. McGreal. 2,581,285, Jan. 1.
Quick-acting, self-locking fastener. W. Dzus. 2,580,666, Jan. 1.
Rack: *See*—
Container and bottle supporting rack.
Rack for sample cases. I. M. Ikelheimer. 2,581,257, Jan. 1.
Radiator. W. W. Baber. 2,580,715, Jan. 1.
Radiator for gluing machines. R. W. Burns and L. Quick. 2,580,728, Jan. 1.
Radio apparatus. J. J. Merklinger. 2,580,690, Jan. 1.
Radio range device. R. H. Ranger. 2,580,462, Jan. 1.
Radio reflector. H. Iams. 2,580,921, Jan. 1.
Radio tuning system. J. M. Lester and R. L. Thompson. 2,581,194, Jan. 1.
Railway car. E. G. Goodwin. 2,580,760, Jan. 1.
Railway drop coupler and draft gear. A. H. Pagenkemper and B. S. Cain. 2,580,588, Jan. 1.
Ramp, Aircraft loading. R. C. Read and F. J. Gregor. 2,581,293, Jan. 1.
Range tracking pulse echo system. R. L. Sink. 2,581,211, Jan. 1.
Razor blade sharpener. V. F. Stegner. 2,581,214, Jan. 1.
Rear fender accommodation of radiator for rear engine vehicles. R. Březek. 2,581,072, Jan. 1.
Receptacle: *See*—
Face powder dispensing receptacle.
Parking meter collection receptacle.
Record controlled accounting device. L. Gross and E. Bailey. 2,580,763, Jan. 1.
Record feeding device. A. P. Taylor. 2,580,861, Jan. 1.
Recorder, Torpedo motion. T. W. Thornton. 2,580,485, Jan. 1.
Recorder with sliding coils, Graphic. A. W. Niemann. 2,581,133, Jan. 1.
Recording system. C. A. Heiland. 2,580,427, Jan. 1.
Recovery of high-molecular weight polymers from hydrocarbon solutions. D. C. Walsh, Jr. 2,581,155, Jan. 1.
Reducing the crystallinity of native fibrous cellulosic material. K. Ward, Jr., C. M. Conrad, and L. Segal. 2,580,491, Jan. 1.
Reel: *See*—
Fishing reel.
Stationary spool reel.
Reel for wire stitching machines. A. F. Fischer. 2,580,749, Jan. 1.
Reel holder bracket and reel for embroidery machines. J. Snarck and H. Lester. 2,580,966, Jan. 1.
Reflection seismic exploration. A. Wolf. 2,580,636, Jan. 1.
Refrigerating system. J. A. Ratcliff. 2,581,044, Jan. 1.
Refrigeration control apparatus. V. C. Patterson. 2,581,330, Jan. 1.
Register, Stepping. L. R. Harper. 2,580,771, Jan. 1.
Registering multicolor printing plates. R. R. Myers, Jr. 2,580,576, Jan. 1.
Regulator: *See*—
Finger type circuit regulator.
Regulator incorporating piled up carbon elements, Electric. M. Musso. 2,581,280, Jan. 1.
Release mechanism. P. J. Branchu. 2,580,511, Jan. 1.
Remote-control system for aircraft. P. R. Murray and D. C. Bright. 2,580,453, Jan. 1.
Removal of oxidizable sulfur compounds from a hydrocarbon gas mixture. W. W. Odell. 2,581,135, Jan. 1.
Removal of oxygenated organic compounds from hydrocarbons. L. P. Hodges. 2,581,102, Jan. 1.
Removing material from a solid body. L. Balamuth. 2,580,716, Jan. 1.
Reperforating apparatus. H. W. Goff. 2,581,184, Jan. 1.
Resilient screw fastener. J. W. Pletcher, Jr. 2,581,288, Jan. 1.
Retainer device for tools. H. W. Kost. 2,580,930, Jan. 1.
Retaining ring. L. S. Bluth. 2,580,396, Jan. 1.
Retarded cement. N. C. Ludwig. 2,580,565, Jan. 1.
Retractable ground-gripping device for vehicle wheels. J. G. Cowles. 2,580,522, Jan. 1.
Revolving target. C. E. Lauterbach. 2,580,799, Jan. 1.
Ring: *See*—
Retaining ring.
Roasting coffee. W. S. Scull, 2nd, and G. A. Fisher. 2,581,148, Jan. 1.
Rocket launcher. A. S. Gould. 2,581,096, Jan. 1.
Rocking horse. R. L. McCartney. 2,581,269, Jan. 1.
Rod: *See*—
Cover stop rod.
Rodent trap. P. C. Knox, III. 2,581,327, Jan. 1.
Rolling paint stand. C. L. Wahl. 2,580,623, Jan. 1.
Rolling window screen. H. Herman. 2,580,776, Jan. 1.
Rotary grinding or drying mill. N. L. Hall. 2,580,541, Jan. 1.
Rotary motion converted into reciprocating motion. F. De Cesaris. 2,581,241, Jan. 1.
Rotative winged aircraft. H. S. Campbell. 2,580,514, Jan. 1.
Runout detector for filament handling apparatus. G. P. Adams. 2,580,387, Jan. 1.
Rust inhibiting composition. A. H. Matuszak. 2,581,120, Jan. 1.
SiO_2—Al_2O_3—NiO catalyst and its preparation. G. C. Bailey and J. A. Reid. 2,581,228, Jan. 1.
Safety device for aircraft. A. H. Corfield and E. E. Chapman. 2,581,078, Jan. 1.
Safety guard for power-driven pipe tongs. F. J. Hillman. 2,580,680, Jan. 1.
Sand catcher. O. H. Crabtree. 2,580,660, Jan. 1.
Sash balance. D. Tappan. 2,580,705, Jan. 1.
Sash mounting. H. G. Larson. 2,580,933, Jan. 1.

Saw, Flying. I. Ropp and W. S. Blackstone. 2,580,959, Jan. 1.
Saw holder. J. McEwan. 2,580,812, Jan. 1.
Sawtooth wave generator. R. E. Moe. 2,581,199, Jan. 1.
Scaffold, Power-driven. L. E. Dempsey. 2,581,176, Jan. 1.
Scraper-blade assembly for plaster mixers and the like. J. Kneena. 2,580,551, Jan. 1.
Screen: *See*
Rolling window screen.
Seating device, Juvenile. H. T. Muri. 2,581,279, Jan. 1.
Sebacic acid, Production of. F. W. Lane. 2,580,931, Jan. 1.
Sectional top folding wall table. H. W. Terrell. 2,580,618, Jan. 1.
Seesaw, Rotating. A. E. Schmechel. 2,581,302, Jan. 1.
Selective printing and punching mechanism. R. B. Johnson. 2,580,788, Jan. 1.
Selective-punching and dispensing mechanism. V. A. Turner, B. S. and F. S. Alden. 2,581,221, Jan. 1.
Self-cleaning gas safety tank. J. D. Hollcroft. 2,580,547, Jan. 1.
Self locking cashbox. H. E. Forester. 2,580,752, Jan. 1.
Self-locking nut. H. O. Engstrom. 2,580,745, Jan. 1.
Self locking twin garment hanger. B. Weiss. 2,580,493, Jan. 1.
Separation of organic acids from alcohols. W. P. Burton, H. G. McGrath, and L. C. Rubin. 2,580,403, Jan. 1.
Separation of rosin acids. H. H. Zeiss. 2,580,496, Jan. 1.
Sewing machine. M. C. Rich. 2,581,046, Jan. 1.
Sewing machine and sewing. T. A. Bramfitt and E. C. Pfeffer, Jr. 2,580,724, Jan. 1.
Shaft seal. N. E. Dietz. 2,580,529, Jan. 1.
Shears, Long-handled brass. G. Persak, Jr. 2,580,831, Jan. 1.
Shelf toothbrush holder. F. A. Schmedinghoff. 2,580,961, Jan. 1.
Shock absorbing means. G. Orloff. 2,580,825, Jan. 1.
Shoe holding device. R. H. David. 2,580,525, Jan. 1.
Shoe machine, Automatic. J. A. Miller. 2,581,272, Jan. 1.
Shoe tree for children, Novelty. H. Feldman. 2,580,746, Jan. 1.
Shopping bag. H. H. and E. B. Kleiss. 2,580,796, Jan. 1.
Shower head. C. H. Bentley. 2,580,722, Jan. 1.
Shutoff valve. P. L. Born. 2,581,071, Jan. 1.
Shutter controlling device. E. S. Scanlon. 2,580,604, Jan. 1.
Side opening suction cleaner. F. C. Doughman. 2,580,645, Jan. 1.
Sight for trench excavators. D. F. Przybylski. 2,580,954, Jan. 1.
Sign. C. S. McNulty and C. S. McNulty, Jr. 2,580,688, Jan. 1.
Signal device for fishermen. L. W. Reddick. 2,580,956, Jan. 1.
Signal transmission system. T. Walmsley and R. C. Leigh. 2,581,056, Jan. 1.
Silica-zirconium oxide catalyst for the conversion of hydrocarbons, Preparing a. J. R. Bates and G. R. Bond, Jr. 2,580,641, Jan. 1.
Sinker cap. E. St. Pierre. 2,580,971, Jan. 1.
Skewer roaster frame. J. J. Jacobson. 2,580,549, Jan. 1.
Slip and brassière, Combination. A. Y. Heinkel. 2,581,325, Jan. 1.
Smoking pipe. R. B. Sutter. 2,580,974, Jan. 1.
Smooth-textured lithium-base greases. P. R. McCarthy. 2,580,570, Jan. 1.
Söderberg electrode suspension. G. Contl. 2,580,518, Jan. 1.
Sole for footwear, Lightweight, flexible, resilient, and nonskid. R. Rogndal. 2,580,840, Jan. 1.
Solvent extraction of oxygenated organic compounds. H. W. Fleming. 2,580,750, Jan. 1.
Sound film recording or reproducing device. J. S. Pestel. 2,580,952, Jan. 1.
Spectacle shield. H. G. Edsall. 2,580,744, Jan. 1.
Speed reduction unit. D. F. Przybylski. 2,580,955, Jan. 1.
Speed responsive device for planters. W. P. Oehler. 2,581,286, Jan. 1.
Speed responsive generator. W. H. Gille. 2,581,093, Jan. 1.
Spigot, Beverage. W. V. King. 2,580,553, Jan. 1.
Spinning, twisting, and like machine. J. C. Garnett. 2,581,012, Jan. 1.
Spout for container, with protective cover for said spout in its retracted position, Retractable. R. W. Shore. 2,581,150, Jan. 1.
Spout for containers, Detachable. N. Martinsen. 2,580,811, Jan. 1.
Spray and chemical-dispenser, Combined water. E. H. Wenzel. 2,580,629, Jan. 1.
Spring impactor bone plate. T. Nicola. 2,580,821, Jan. 1.
Spring support for ignition circuit breakers. C. Colvin and E. C. Bettoni. 2,581,077, Jan. 1.
Sprinkler, Automatic. H. D. Mathis. 2,580,810, Jan. 1.
Sprout destroyer. J. C. Bartch and G. W. Couch. 2,580,640, Jan. 1.
Stabilization of vinyl halide polymers. T. C. Patton and L. J. Jubanowsky. 2,580,460, Jan. 1.
Stabilized petroleum products and stabilizing compositions. C. B. Biswell. 2,580,881, Jan. 1.
Stand: *See*—
Rolling paint stand.
Stapling machine. A. Balma. 2,580,505, Jan. 1.
Starting up low-temperature isoolefin polymerization. D. C. Walsh, Jr. 2,580,490, Jan. 1.
Stationary spool reel. W. C. Slotterback. 2,581,306, Jan. 1.
Steering control for banking arm vehicles. J. Kolbe. 2,581,030, Jan. 1.
Step or platform, Standing. F. Keest. 2,581,027, Jan. 1.
Stick remover for seed cotton extracting machines. C. M. Merkel and T. E. Wright. 2,580,451, Jan. 1.
Stock line wearing element. H. Cope. 2,580,519, Jan. 1.
Stop-leak preparation. F. D. Barton. 2,580,719, Jan. 1.
Storage and concentration of acetylene. R. R. Vogt and W. H. Hamill. 2,580,622, Jan. 1.
Stove. B. B. Kahn and P. F. Metz. 2,580,927, Jan. 1.
Strip threading apparatus. J. D. Keller. 2,581,026, Jan. 1.
Stuff treatment apparatus. C. E. Roberson. 2,581,143, Jan. 1.
Suction cleaner. G. E. Lofgren. 2,580,644, Jan. 1.
Suction cleaner. D. G. Smellie. 2,580,615, Jan. 1.
Suction cleaner. H. B. White. 2,580,630, Jan. 1.
Suction electrode. W. W. Welsh. 2,580,628, Jan. 1.
Sugar cane diffusing apparatus. A. F. de la Calle. 2,581,175, Jan. 1.
Sulfonating 1-aminoanthraquinones. P. Grossmann. 2,581,016, Jan. 1.
Support: *See*—
Automobile awning support.
Vehicle wheel support.
Vibration isolating support.
Surface grinder for mill housings and the like. D. J. Donato. 2,581,244, Jan. 1.
Surge valve. H. M. Purcell. 2,581,290, Jan. 1.
Surgical device. L. J. Larson. 2,581,114, Jan. 1.
Surgical suturing device. M. L. Skaller. 2,580,964, Jan. 1.
Sweet corn on the cob selecting, trimming and packaging machine. G. H. Rogers. 2,580,599, Jan. 1.
Swing, Double. M. W. Hunt. 2,580,920, Jan. 1.
Switch: *See*—
Liquid level responsive switch.
Switch control. C. W. Wold. 2,581,060, Jan. 1.
Switch for back-up warning, Vehicle. B. H. Hadley. 2,580,677, Jan. 1.
Switch mechanism. J. B. Parsons. 2,580,950, Jan. 1.
Switch operator. W. C. Foster. 2,580,905, Jan. 1.
Syringe, Hypodermic. C. D. T. Arrieta. 2,581,162, Jan. 1.
System for uniform distribution of ventilating air and sound energy. G. K. Raider. 2,580,835, Jan. 1.
System of composite photography. F. G. Gunn. 2,580,422, Jan. 1.
Table: *See*—
Adjustable crossleg table.
Ceiling-suspended elevatable table.
Sectional top folding wall table.
Table for bowling pin setting machines, Setting-up. K. C. Sherman. 2,580,853, Jan. 1.
Tabulator and summary punch, Combined. J. Mueller. 2,580,693, Jan. 1.
Tackle holder for fishermen. O. P. Hawthorne. 2,580,912, Jan. 1.
Tackle holder for fishermen. O. P. Hawthorne. 2,580,913, Jan. 1.
Tail gate lift for trucks and the like. W. W. Vawter. 2,581,333, Jan. 1.
Talking machine combined with a still projector and film strip therefor. J. H. Coutelen. 2,581,079, Jan. 1.
Tamperproof sealed barrel closure. W. J. Haley. 2,581,187, Jan. 1.
Tank: *See*—
Flushing tank.
Self-cleaning gas safety tank.
Tank inlet and outlet seal. P. H. Lindberg. 2,580,802, Jan. 1.
Tape dispensing reel and angle crimper. E. L. Hodges. 2,581,190, Jan. 1.
Tape for driving pulleys. A. K. Landau. 2,581,261, Jan. 1.
Taper gauge. E. S. Corneli. 2,581,001, Jan. 1.
Tant washer for cloth. H. A. Dameron. 2,580,892, Jan. 1.
Telephone system, Automatic charge-recording. J. E. Ostline. 2,581,287, Jan. 1.
Telephone system having automatic amplifier insertion and gain setting, Toll switching. J. Wicks. 2,580,709, Jan. 1.
Television system, Color. J. E. Evans. 2,580,903, Jan. 1.
Temperature responsive signaling and locating system. D. C. Spooner, Jr. 2,581,213, Jan. 1.
Tertiary-butyl halide promoters in Friedel-Crafts catalyzed olefin polymerizations. D. C. Walsh, Jr., and H. G. Schutze. 2,581,154, Jan. 1.
Tethered flying model and object releasing mechanism. D. J. Byers. 2,580,405, Jan. 1.
Textile container with slotted corners. M. T. Hunsworth. 2,581,105, Jan. 1.
Thermal time delay device for jettisonable propulsion motors. A. Birnbaum. 2,581,164, Jan. 1.

Thermocouple hot wire anemometer. A. R. Hoffmann and W. J. Crump. 2,580,782, Jan. 1.
Thermostatic regulating valve. R. D. Rhoads. 2,581,045, Jan. 1.
Thickness gauge. M. R. Thorburn. 2,581,219, Jan. 1.
Thiophenealdehydes, Preparing. W. S. Emerson and T. M. Patrick, Jr. 2,581,009, Jan. 1.
Thiouronium antimonyl catechol halides tnd making the same. M. Schubert. 2,580,847, Jan. 1.
Throttling process and device. A. Bramley. 2,581,168, Jan. 1.
Timepiece, Calendar. A. Marchand. 2,581,268, Jan. 1.
Timepiece movement with intermittent seconds indicator. F. Robert-Charrue. 2,580,597, Jan. 1.
Time recording system. S. G. Lutz. 2,580,447, Jan. 1.
Tire chain applier, Flexible and expansible. B. Anderson. 2,581,225, Jan. 1.
Tire removing apparatus with circumferentially distributed bead engaging members. C. E. Johnson and G. C. Bratland. 2,580,920, Jan. 1.
Tissue sheet dispenser. A. C. H. Weiss. 2,580,982, Jan. 1.
Toaster, Electric. W. H. Kitto. 2,580,554, Jan. 1.
Tobacco pipe. K. C. Bugg. 2,581,169, Jan. 1.
Tool: *See*—
Frame building dismantleing tool.
Impact tool.
Pattern scribing tool.
Tool for driving and setting blind fasteners. J. C. Lang. 2,581,262, Jan. 1.
Tool for tubing, Portable packoff. H. Meyer. 2,580,573, Jan. 1.
Tooth powder dispenser. F. J. Pacilio. 2,580,947, Jan. 1.
Top for vehicle bodies, Foldable. T. Vigmostad. 2,580,487, Jan. 1.
Top for vehicles, Collapsible. T. Vigmostad. 2,580,486, Jan. 1.
Torpedo director. R. W. Pitman. 2,581,138, Jan. 1.
Torque tube bracket assembly for clothes wringers. O. F. Conchot. 2,580,520, Jan. 1.
Touch adjustment for electric control devices. R. F. Sambleson. 2,581,207, Jan. 1.
Toy flatcar. F. Pettit. 2,581,201, Jan. 1.
Toy spring gun. H. J. Criner. 2,580,734, Jan. 1.
Tractor, Farm. W. F. Strehlow. 2,580,481, Jan. 1.
Tractor, Farm. W. F. Strehlow, C. T. O'Harrow, and G. W. Park. 2,580,480, Jan. 1.
Tractor hitch for agricultural implements. R. L. Dugger. 2,580,532, Jan. 1.
Tractor-trailer brake system. J. G. Ingres and E. G. Hill. 2,581,107, Jan. 1.
Traffic signal device, Policeman's portable. J. G. Martin. 2,580,938, Jan. 1.
Trailer cabin, Extensible. J. La Fleur. 2,581,192, Jan. 1.
Transfer arrangement for overhead conveyer systems. W. Gibson. 2,580,758, Jan. 1.
Transmission control, Preselective. G. T. Randol. 2,581,291, Jan. 1.
Trap: *See*—
Rodent trap.
Tray attachment for tables. A. Sloan. 2,580,855, Jan. 1.
Treated fur fibers. G. M. Rickus and S. G. Hoffman. 2,581,296, Jan. 1.
Treating oil with sulfur trioxide. F. M. Archibald. 2,581,064, Jan. 1.
Treating the electrolyte in the electrodeposition of iron. E. H. Konrad and W. H. Kaye. 2,580,681, Jan. 1.
Treating tidal lands subjected to sewage. R. E. Cornish. 2,580,409, Jan. 1.
Treating wells, Method and composition for. E. B. Hall, E. F. Snyder, and C. S. Seybold, Jr. 2,580,765, Jan. 1.
Treatment of cracked naphthas with a hypochlorite followed by an alkali sulfide. R. M. Love. 2,581,117, Jan. 1.
Treatment of molten steel. F. J. Griffiths. 2,581,097, Jan. 1.
Trim panel and making the same. F. Lyijynen. 2,581,195, Jan. 1.
Trough or tank water level valve. S. C. Wright. 2,580,637, Jan. 1.
Trowelable bituminous flooring composition and making same. C. A. Redfarn. 2,581,295, Jan. 1.
Truck, Freight loading and unloading. F. P., E. E., and R. L. Anderson. 2,580,501, Jan. 1.
Tube: *See*—
Guide tube.
Image dissector tube.
Tube circuit. C. H. Young. 2,580,875, Jan. 1.
Tube sealing apparatus, Cathode-ray. W. P. Melcher and H. H. Voelz. 2,580,450, Jan. 1.
Tuning system. D. R. De Tar. 2,580,895, Jan. 1.
Turnbuckle lock. L. C. Stukenborg and H. V. Utterback. 2,580,482, Jan. 1.
Turn button for aircraft cowlings. A. Evans and W. E. Edwards. 2,581,089, Jan. 1.
Twine dispenser. L. D. Bartlett. 2,580,878, Jan. 1.
Typewriter carriage spacing control. C. W. Norton. 2,581,200, Jan. 1.
Ultraviolet-radiation impervious wrapping material. I. A. Pearl. 2,580,461, Jan. 1.
Universal sheave bracket assembly. D. F. Roe. 2,581,298, Jan. 1.
Utilization of heat of finely divided solids. H. J. Ogorzaly and W. A. Rex. 2,581,041, Jan. 1.
Valve: *See*—
Air valve.
Fuel regulating and safety shutoff valve.
Master cylinder relief valve.
Shutoff valve.
Surge valve.
Thermostatic regulating valve.
Trough or tank water level table valve.
Valve. C. H. Kain. 2,580,433, Jan. 1.
Valve for automobile lifts, Control. J. D. Cochin. 2,580,731, Jan. 1.
Valve for fluid-operated motors, Pilot-controlled distributing. C. J. Coberly. 2,580,657, Jan. 1.
Valve for hydraulic straightening presses, Directional and pressure control. B. Welte. 2,580,868, Jan. 1.
Valve for rock drills. J. E. Feucht. 2,580,747, Jan. 1.
Valve for sandblast generators, Control. R. Ruemelin. 2,580,842, Jan. 1.
Valve for sinks and the like, Drain. F. Muckler. 2,580,575, Jan. 1.
Valve mechanism for multiple resonance chambers, Cylindrical rotating. R. H. Goddard. 2,580,908, Jan. 1.
Valve tappet, Hydraulic. O. H. Banker. 2,580,380, Jan. 1.
Vaporizer. M. Katzman. 2,580,793, Jan. 1.
Vaporizing vertical pot type oil burner. S. P. Cauley. 2,581,238, Jan. 1.
Variable abrasive belt backup wheel. E. N. McVey. 2,581,270, Jan. 1.
Variable capacitor. J. D. Repko. 2,580,702, Jan. 1.
Variable-speed electric motor. A. Schmidt, Jr. 2,581,208, Jan. 1.
Variable-speed transmission. A. G. Bade. 2,580,392, Jan. 1.
Variable tuning device. J. L. Bonanno. 2,581,165, Jan. 1.
Variable volume pump. H. B. Adams and M. C. Peters. 2,581,160, Jan. 1.
Vehicle bed locking arrangement. J. L. Brack. 2,580,509, Jan. 1.
Vehicle drive control mechanism. M. Maat. 2,580,449, Jan. 1.
Vehicle employing forked banking arms, Inwardly banking. J. Kolbe. 2,580,559, Jan. 1.
Vehicle holding structure. J. J. Pelonch. 2,581,137, Jan. 1.
Vehicle traction device. J. A. Kennedy. 2,580,434, Jan. 1.
Vehicle wheel support. C. E. Frank. 2,580,383, Jan. 1.
Vehicle with independent wheel suspension. J. Kolbe. 2,580,557, Jan. 1.
Vending and dispensing device. W. S. Tandler, R. G. Fleuriot and C. F. Peck. 2,581,216, Jan. 1.
Vending apparatus, Refrigerated bottle. A. Carlson. 2,581,170, Jan. 1.
Vending machine, Stamp. C. M. Gottschau. 2,581,323, Jan. 1.
Venoclysis equipment. G. R. Ryan and R. F. McGrew. 2,581,331, Jan. 1.
Ventilator for hay and grain containers. C. L. Wise. 2,580,872, Jan. 1.
Vibration absorber. E. F. Riopelle. 2,580,839, Jan. 1.
Vibration isolating support. M. Mooney and L. E. Copeland. 2,580,815, Jan. 1.
Vibrato apparatus for electrical musical instruments. J. M. Hanert. 2,580,424, Jan. 1.
Visor, Automobile sun. E. R. Williams. 2,580,632, Jan. 1.
Voltmeter with calibrated resistors, Electronic. M. Fonquart. 2,581,011, Jan. 1.
Vulcanization of rubbery butadiene-styrene copolymers. O. H. Smith. 2,580,857, Jan. 1.
Vulcanizing method and apparatus, Continuous. G. E. Henning. 2,581,255, Jan. 1.
Wading pool, Portable. B. B. Murad and E. Moir. 2,580,942, Jan. 1.
Walking aid. J. C. Burkett. 2,580,888, Jan. 1.
Wallboard and making the same, Decorated. T. P. Camp. 2,581,076, Jan. 1.
Wallet and purse, Combined. S. Knee. 2,581,029, Jan. 1.
Warning means for safety discharge outlets. H. E. Heigis. 2,580,426, Jan. 1.
Warp beam. F. Eastwood, L. Lasch, and A. E. Rogers. 2,580,533, Jan. 1.
Washer: *See*—
Lock washer.
Washing machine. J. B. Kirby. 2,580,435, Jan. 1.
Water bottle holder for tape dispensing machines. L. Walters. 2,580,624, Jan. 1.
Water-heating gas burner. J. Hobbs. 2,581,189, Jan. 1.
Water motion for offset presses. H. W. Faeber and O. and L. V. Dutro. 2,580,667, Jan. 1.
Wax compositions. J. M. Butler. 2,580,996, Jan. 1.
Wear indicating device for drill bits. J. C. Stokes. 2,580,860, Jan. 1.
Weathertight sliding car door. G. Madland. 2,580,804, Jan. 1.
Weighing machine. R. B. Brown. 2,580,993, Jan. 1.
Weighing system for a processing operation. G. W. Reilly, Jr. 2,581,204–5, Jan. 1.
Welding the longitudinal seams of barrel blanks and the like, Method and apparatus for. J. L. Anderson. 2,580,502, Jan. 1.

Wheel: *See*—
Variable abrasive belt backup wheel.
Wheel guard, Quick-set. J. W. Voll. 2,580,979, Jan. 1.
Windshield cleaner. E. C. Horton. 2,581,103, Jan. 1.
Windshield wiper apparatus. H. J. Findley and W. R. Eames, Jr. 2,581,010, Jan. 1.
Windshield wiper balancer. D. A. Nally. 2,580,577, Jan. 1.
Window construction. H. A. Davis. 2,580,736, Jan. 1.
Window fan assembly, Variable-width. George A. and Glenn A. Delf. 2,580,663, Jan. 1.
Window shutter. V. A. Vicksell. 2,580,621, Jan. 1.
Window washing device, Dual. F. G. Holmes. 2,580,783, Jan. 1.
Window wiper. M. C. Morley. 2,580,814, Jan. 1.
Window with sliding panes. F. Nutter. 2,580,945, Jan. 1.
Wire coiling machine. P. T. Karlsson. 2,580,792, Jan. 1.
Wire gripping device for wire tying machines. K. E. Schulze. 2,580,848, Jan. 1.
Wood-splitting machine. J. H. Dagenais. 2,580,735, Jan. 1.
Work feeding and positioning mechanism. E. T. Kitchell. 2,580,795, Jan. 1.
Workholder. J. J. Parker and L. T. Morawski. 2,580,949, Jan. 1.
Work manipulating mechanism. N. B. Smith. 2,580,472, Jan. 1.
Work rest blade. C. H. Arnold. 2,581,226, Jan. 1.
Wrench: *See*—
Axially offset, motor operated, Impact-type wrench.
Wrench socket. A. Godmaire. 2,581,095, Jan. 1.
Yarn tensioning device. T. K. Rea. 2,581,142, Jan. 1.
Yarn trapping and severing means for circular knitting machines. A. M. Brown. 2,580,513, Jan. 1.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 1, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Condition of Applications Under Examination at Close of Business Dec. 14, 1951

Total number of patent applications awaiting action, 105,887. Date of oldest new application, February 15, 1951; date of oldest amended application, February 8, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M.			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	2-15-51	2-16-51	2218
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	5-22-51	5-10-51	1095
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	4-25-51	4-23-51	1601
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	2-26-51	2-20-51	1993
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	5-1-51	4-27-51	1227
6. SURLE, H., Carbon Chemistry (part)	4-3-51	4-9-51	1936
7. GONSALVES, J. E., Optics; Photography (part)	4-25-51	4-17-51	1294
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	3-5-51	3-6-50	1834
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	2-27-51	2-26-51	1577
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	2-26-51	2-16-51	1147
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	4-4-51	2-20-51	1054
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-28-51	3-9-51	1049
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	2-21-51	3-2-51	1243
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	3-5-51	3-1-51	1660
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	5-4-51	5-7-51	1260
16. LOVEWELL, N. N., Television, Telephony	2-26-51	2-20-51	1259
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	2-20-51	2-20-51	1781
18. KURZ, J. A., Power Plants; Speed Responsive Devices	2-23-51	2-21-51	1511
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	2-16-51	2-16-51	1168
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	3-8-51	3-8-51	1467
21. MADER, R. C., Textiles	2-28-51	2-16-51	1474
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	2-28-51	2-26-51	1277
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	2-15-51	2-15-51	858
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	4-20-51	4-18-51	1638
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	4-19-51	4-4-51	1347
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	2-16-51	2-23-51	1234
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	2-19-51	2-8-51	1963
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	2-23-51	2-15-51	1510
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	2-12-51	2-23-51	1498
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	4-16-51	4-14-51	1549
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-7-51	4-9-51	2025
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	3-14-51	3-12-51	1347
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	3-8-51	3-6-51	2165
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	3-22-51	3-16-51	1298
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	2-15-51	2-16-51	1639
36. McFADYEN, A. D., Measuring and Testing	2-13-51	2-14-51	1366
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	4-18-51	7-9-51	1219
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	3-31-51	3-3-51	1459
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	4-10-51	4-13-51	2172
40. DRUMMOND, E. J., Receptacles (part); Packages	3-15-51	3-6-51	2547
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-26-51	2-19-51	1232

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 105,887. Date of oldest new application, February 15, 1951; date of oldest amended application, February 8, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	3- 8-50	3- 8-50	1327
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	4-16-51	4-21-51	1167
44. HARVEY, L. P., Beds; Chairs, Seats	3-16-51	3- 7-51	1469
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	2-15-51	2-15-51	1516
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	3-14-51	3-14-51	984
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	3-13-51	3- 5-51	1456
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	3-20-51	3- 6-51	1522
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	3- 1-51	3- 2-51	1689
50. LEVIN, S., Synthetic Resins	6- 8-51	5-31-51	1579
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	2-20-51	2-19-51	1106
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	2-21-51	2-23-51	2231
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	4-19-51	3-23-51	1126
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	3- 8-51	3- 8-51	1649
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	3-23-51	4- 2-51	1163
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	4-11-51	4-10-51	1712
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	4- 5-51	3-29-51	1820
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	3-24-51	3- 7-51	1247
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	3-14-51	3-12-51	1256
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	3- 3-51	3- 9-51	1110
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-13-51	3-14-51	1380
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	3-21-51	3- 9-51	1418
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	4-10-51	4- 2-51	1789
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	5-10-51	5- 9-51	1773
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	3-26-51	3-26-51	1449
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	2-28-51	2-16-51	1117
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	3-16-51	3-15-51	1285
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	2-23-51	2-27-51	1770
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	2-27-51	2-23-51	1379
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	2-19-51	2-15-51	1616
DESIGNS: A. BREHM, G. L., Industrial Arts	8- 3-51	8- 6-51	935
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	7-13-51	8- 9-51	656

Total number of trade-mark applications awaiting action (including renewals and republications), 15,744. Date of oldest new application, May 19, 1951; date of oldest amended application, May 16, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	5-19-51	5-16-51	4925
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	6-19 51	6-19-51	3116
Renewals (All Classes)	10- 5-51	11- 8-51	614
Republications (All Classes)	10-25-51	11- 8-51	343
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	5-31-51	5-25-51	3719
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	6-19-51	6- 4-51	3027

DECISIONS IN PATENT AND TRADE-MARK CASES

United States Court of Appeals
District of Columbia Circuit

BRODERSON *v.* MARZALL, COMMISSIONER OF PATENTS
No. 10,631. Decided November 23, 1951

[— F.2d —; 91 USPQ 259]

1. PATENTABILITY—INVENTION—"FLASH OF GENIUS" IS REQUISITE.

The problem before the court is not whether the prior art disclosed the features of the present application but whether the revelations in the art were such that the present application did not involve the "flash of genius" which is requisite to inventiveness for patent purposes.

2. APPEAL TO THE U. S. COURT OF APPEALS—SUITS UNDER R. S. 4915—PATENT OFFICE HOLDING REVERSED IF RECORD REQUIRES IT.

Although, in accordance with the rule stated in *Abbott v. Coe*, 71 App. D. C. 195, 109 F.2d 449, 512 O. G. 3, the court will not disturb the findings of the Patent Office upon a question of inventiveness, if those findings are reasonable on the record, the court has reversed the Patent Office when the record, in its view, required it.

3. PATENTABILITY — INVENTION — COMBINATION OF OLD ELEMENTS MAY BE INVENTIVE.

It is settled that the fact that all of the elements entering into a combination are old does necessarily negative the existence of invention.

4. SAME—SAME—HOLDING THAT ELEMENTS ARE OLD NOT SUFFICIENT BASIS FOR REJECTING COMBINATION.

Where the Patent Office merely points out that the several elements are old, without indicating in even the slightest respect wherein the new combination claimed was revealed or indicated to such an extent as to make it producible by the use of mere skill in the art; *Held* that the Patent Office has not laid a supportable basis for a rejection of the claims.

5. SAME — PARTICULAR SUBJECT MATTER — METHOD OF OPERATING INTERNAL COMBUSTION ENGINE.

Certain claims to a method of operating an internal combustion engine *Held* allowable as setting forth inventiveness above and beyond mere skill in the art and certain other claims held properly rejected as going beyond the inventive feature and being too broad.

APPEAL from the United States District Court for the District of Columbia.

REVERSED AND REMANDED.

Harold T. Stowell for appellant.

E. L. Reynolds, Solicitor, U. S. Patent Office (*Clarence W. Moore* of counsel) for appellee.

T. Carl Nixon filed a brief on behalf of the University of Rochester as amicus curiae, urging reversal.

Before CLARK, PRETTYMAN, and WASHINGTON, *Circuit Judges*

PRETTYMAN, *Circuit Judge*:

This is a patent case. The application was denied by the Patent Office. A complaint was filed in the district court under section 4915 of the Revised Statutes.[1] Trial was had, and the district court rendered an opinion, made findings of fact, announced conclusions of law, and entered judgment dismissing the complaint. The applicant appealed.

The applicant claims a patent for a method of operating a four-stroke-cycle Otto internal combustion engine. The patent was denied, by both the Patent Office and the district court, upon the ground that no invention was shown in view of the prior art. To permit review of that conclusion, the application must be placed in its proper setting in the art.

The basic operation of an internal combustion engine is, of course, the movement of a pistonhead up and down, or to and fro, in a hollow cylinder. The power which causes that movement is the combustion of a mixture of air and either gas or vaporized liquid. In an Otto-type engine this combustion is caused by an electric spark. In a so-called four-stroke-cycle engine each complete operation consists of four strokes of the pistonhead, twice down and twice up. On the first downstroke air and fuel are sucked into the cylinder. On the upstroke this air and fuel are compressed. Thereupon a spark occurs which ignites the mixture, causes rapid expansion, and forces the pistonhead down in the cylinder. The next upstroke forces the burned fuel out of the cylinder. Thus the four strokes are called the suction or intake stroke, the compression stroke, the power stroke, and the exhaust stroke. The essential ingredients for the operation are air, fuel, and an electric spark. Many variations in the size and shape of the cylinder, the proportions of air and fuel, the timing of the injection of air and fuel, the timing of the spark, and the arrangement of the air and fuel injectors and of the spark plug, have been tried in order to achieve effective operation, efficient and economical use of fuel, and the use of the lower grade hydrocarbons as fuels. Extensive research along these lines has been conducted almost continuously by many industries.

[1] As amended, 35 U. S. C. A. § 63.

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The problem with which industry has been faced in Otto engines is created by three simple physical facts. (1) Variation in the pressure in the cylinder at the moment of combustion, under different power demands, causes inefficient operation, knocking, etc. Therefore it is highly desirable that pressure be maintained within a narrow range under all conditions of operation. (2) The ignitable ratio of available fuels and air is in a very narrow range. The optimum for gasoline is fifteen of air to one of fuel. A mixture too rich or too lean will not ignite. (3) Different load demands require different amounts of fuel for efficiency. Idling requires little fuel; starting motion on a heavy load demand requires much fuel. Put together these facts means that when the power demand is light a little fuel is needed, but a little fuel necessitates a correspondingly small amount of air, and a lessened amount of air results in a light compression in the cylinder. In common parlance, when you throttle the gas you must also throttle the air and this causes inefficiency or trouble. The industry has sought the answer for years.

This applicant's idea is to have two mixtures of air and fuel in the engine at the same time, instead of merely one mixture. He would keep one mixture at a ratio of air and fuel always readily ignitable. The other mixture he would keep always at the same pressure but varied in fuel content from very lean to very rich depending on power demands. To accomplish this two-mixture purpose, the applicant uses two chambers, one in the cylinder above the pistonhead at top dead center and the other in an offset or auxiliary chamber. To maintain constant pressure he injects the same amount of air into the chambers under all load conditions. He injects the fuel into the auxiliary chamber and varies the amount of fuel according to power demand. Then, in order to keep the mixture in the auxiliary chamber at an ignitable ratio under all conditions, he times the fuel injection so that, although under full power demand large amounts of fuel are sucked into the cylinder prior to combustion, under light power demand the fuel is confined to the auxiliary chamber and only air is in the cylinder itself. Thus he achieves a constant compression in the cylinder and a constantly ignitable mixture of fuel and air in the auxiliary chamber. He has two mixtures, one for one purpose and the other for another purpose. Both mixtures are in the engine at the same time, both are homogeneous, but they are separated, "stratified." The advantages of the method are claimed to be the more economical use of fuel, the possible use of low-grade fuel, and the absence of detonation or knocking.

The application relates to the method of operation. That method requires certain features in the design of the cylinder, chiefly a space in the cylinder above the pistonhead at top dead center and an auxiliary combustion chamber, separated from the cylinder by a somewhat restricted passageway, with an air intake valve, fuel injector, and spark plug all located in this auxiliary chamber. Separately considered these are all commonplaces of design. Adequate combustion space in the cylinder above the pistonhead at top dead center is a common feature of internal combustion engines. An auxiliary combustion chamber is a well-known device, being usual in a diesel operation and known in an Otto operation, as is indicated by Mock's application, discussed infra. Neither does the application add any novel features to the customary valves, fuel injector, and spark plug, and it adds no new ingredients to the customary air and fuel.

But the application for patent is not directed at features of design. The application claims a *method of operation*, of which the following are the principal features: (1) the admission of constant charges of air to the combustion space, which space includes both the cylinder and the auxiliary chamber; (2) a supply of fuel varied in relation to the power demand; and (3) the timing of the fuel injection so that under full load demands about half of the fuel is injected during the intake stroke of the piston and the other half during the compression stroke, and so that under minimum load demand (idling) all the fuel is injected during the compression stroke.

The inventiveness claimed is in the idea of two simultaneous homogeneous mixtures of fuel and air; of constant pressure in the cylinder and a mixture of ignitable proportions always at the spark plug, although the fuel is varied according to power demand; and of the arrangement and combination of known features of design and standard elements of operation to achieve these new and novel results.

The prior art upon which the Patent Office and the district court relied was exemplified, both the Commissioner and the court said, by three patents, one to F. C. Mock, issued January 3, 1939, one to Oscar Werner, issued February 1, 1927, and the third a British patent, "Complete Accepted" May 17, 1932. The application for the Mock patent was directed principally to the elimination of detonation and its accompanying disadvantages. The claim of invention was for a combustion chamber of heart-shaped form offset from the cylinder, in which chamber the fuel injector and two spark plugs were so arranged as that the combustion took the form of a spherical wave front of flame which moved toward the passageway from this chamber to the cylinder. The spherical wave front in the heart-shaped chamber was claimed to eliminate the possibility of knocking. The Werner patent was for a fuel pump. The object was to provide a retort, in which an ignition by electric spark occurred, and thereafter fuel was admitted to the cylinder of the engine and this fuel was burned as a result of the heat created in the retort. The British patent related to a diesel operation, which involved an antechamber in which a portion of the fuel and air mixture was ignited before the combustion process took place in the cylinder.

It seems clear enough to us that none of the three patents mentioned approached, as patents, the method claimed by the present appellant. There was expert testimony of the highest order in the present case, which pointed out that fact. For example, it was pointed out that the Mock patent did not contemplate any considerable combustion space in the cylinder at the moment when the pistonhead was at top dead center, and did not contemplate any homogeneous mixture, much less two such mixtures, of fuel and air prior to ignition. Nor could Mock maintain uniform compression by admitting constant charges of air at all power demands; if, while reducing fuel input proportionately to power demand variations, he admitted constant quantities of air at all power demands, the resulting mixture at low power demand would be so lean that even his double spark could not ignite it. The Werner patent contemplated the direct injection of fuel upon the hot face of the pistonhead and the burning of that fuel as in a diesel operation. Werner did not have in the cylinder a mixture of air and fuel which was variable according to power demands. Moreover, approximately the same amount of fuel was injected at low power demand as at high power demand. The British patent was strictly a diesel operation. As such, although pressure was maintained, it used, as did Werner, approximately the same quantity of fuel at lower power demand as it did at high power demand.

[1] But the problem before us is not whether the patents issued in the prior art involved a definable feature of the present application. The problem is whether the revelations in the prior applications and otherwise in the art were such that the present application did not involve the "flash of genius" which is requisite to inventiveness for patent purposes.

We have examined with care the three patent applications cited to us as reflecting the prior art, and we are unable to find that they contain any hint of the idea and method for which the present applicant claims inventiveness. The notion of two homogeneous mixtures in an engine simultaneously was wholly foreign to the teachings of Mock; it had no relation to Werner's direct injection of fuel or to any revelation we can find in the British patent application.

[2] This court has long hesitated to overrule the findings of the Patent Office and the district court on a question of inventiveness. We hesitate to do so now. In fact, in *Abbott* v. *Coe*,[2] we pointed sharply to the rule that we will not disturb the findings of the Patent Office upon a question of inventiveness if those findings are, in our view, reasonable upon the record. Nevertheless, when our view of the record has required it, we have reversed. Thus we did so in *Poulsen* v. *Coe*,[3] two of the three judges who sat in *Abbott* v. *Coe* participating, and likewise in *Levin* v. *Coe*,[4] again two of the three judges who sat in *Abbott* v. *Coe* participating.

In the present case it seems clear to us that the Board of Appeals in the Patent Office totally ignored (at least it failed to mention) the inventive feature of this applicant's claim as he described it and claimed it. The Board referred separately to the several elements of the design of the cylinder useful for operation of the claimed method, and referred separately to the several steps in engine operation. But it nowhere referred to the essence of appellant's concept, the two simultaneous homogeneous mixtures of fuel and air so designed and achieved as to accomplish separately two results. The Board said that Mock disclosed a main combustion chamber and an auxiliary chamber. Mock did not have two combustion chambers, a main one and an auxiliary one. The heart-shaped combustion space in his design is the one combustion chamber. His claim was for "a combustion chamber of heart-shaped form offset from said cylinder." As a matter of fact, Mock disclosed no space, except clearance space, in the cylinder when the pistonhead is at top dead center. And the idea of having a combustible mixture in the cylinder simultaneously with the ignitable mixture in the auxiliary chamber was not only absent from Mock but is contradictory of Mock's concept. Mock specifically pointed out that for his invention the requirement as to the injection of fuel is "that the fuel must not enter too greatly into the piston displacement chamber." He emphasized that "the combustion chamber relatively remote from the engine cylinder and the manner in which fuel is injected therein" was of the essence of his idea. Mock's concept, as disclosed by his application, was that if combustion occurred in a chamber separated from the cylinder and shaped so that there were no corners or pockets in it, and the fuel was injected so that a very rich mixture was near the spark plugs, the flame would advance in a spherical front, encountering "a relatively non-homogeneous mixture of fuel vapor and air prior to reaching the engine cylinder," so that there would be no detonation, "knocking." The absence of pockets in the combustion space, which in his invention was wholly in the heart-shaped chamber apart from the cylinder, was his fundamental idea. There was not the slightest hint in Mock, so far as we can ascertain, of the idea which is the gist of the present invention. The Board said that the admission of constant charges of air was revealed in Mock. We cannot find it mentioned. There is no evidence in this record that Mock's invention has ever been used, although his patent was granted January 3, 1939, twelve years ago. We suppose that the restricted opening between the chamber in which the total combustion occurs in his engine and the cylinder where the pistonhead is, prevented the delivery to the pistonhead of any considerable portion of the power generated by the combustion; and that this restriction prevented efficient use of fuel. The present application appears to have no such infirmity. In this application the principal combustion occurs in the cylinder itself, directly upon the pistonhead, when full power is demanded. It is only when minimum power, or none at all, is demanded that combustion is confined principally to the auxiliary chamber.

[2] 71 App. D. C. 195, 109 F.2d 449 (1939), 512 O. G. 3.
[3] 73 App. D. C. 324, 119 F.2d 188 (1941), 528 O. G. 1031.
[4] 76 U. S. App. D. C. 347, 132 F.2d 589 (1942), 545 O. G. 677.

The Board found the present application anticipated by Werner, reciting severally the features which constitute the basic elements of design and operation. But there was not the slightest hint in Werner of the invention claimed here or of any idea which, so far as we can see, would lead to the present invention. Werner's claims were for a fuel pump. His operation was not an Otto operation but was a diesel operation with a retort attached in which an Otto operation created the heat necessary to ignite for burning the fuel in the cylinder. Werner's idea seems to have been that, instead of relying upon compression heat to ignite fuel injected directly into the cylinder, the requisite heat can be created in a separate retort, and that by having two fuel injectors, one in the cylinder and one in the retort, efficient variations in fuel consumption according to power demands could be accomplished. Nothing relating to mixtures, and most particularly nothing relating to two mixtures, of fuel and air for Otto operation was suggested, so far as we can see.

The Board merely referred to the British patent without discussing it.

Thus it seems to us that the Patent Office confined itself to pointing out that the elements used by the present applicant are old. There is no dispute about that, as we understand the contentions. The Board did not point out wherein the combination of those elements in the manner and with the results claimed by this applicant was remotely suggested by anything in the prior art. It did not show or attempt to show that anything in the prior art revealed the idea that by a certain combination of design, timing and control two homogeneous mixtures of fuel and air could be produced simultaneously in an Otto engine so that constant pressure could be maintained at all loads while at the same time consistently ignitable mixtures could also be maintained at all loads.

[3] As this court pointed out in *Levin* v. *Coe*, supra, it is settled that the fact that all of the elements entering into a combination are old does not necessarily negative the existence of invention. So the possibility of invention in the case before us is not blocked by the fact that the elements used are not new. [4] We think that, by merely pointing out that the several elements were old, not indicating in even the slightest respect wherein the new and novel combination here claimed was revealed or indicated to such an extent as to make it producible by the use of mere skill in the art, the Patent Office did not lay a supportable basis for rejection of this patent.

The district court in its opinion and findings merely followed the Patent Office.

Assuming that the three patents cited represent the revelations of the prior art,[5] we are of opinion that the concept of the present applicant and the method devised for its accomplishment represent that inventiveness above and beyond mere skill in the art, that "flash of genius," which requires issuance of a patent.

[5] Claims 1 to 6 in the present application are limited to the inventiveness which we have described. As thus read they should be approved and patent should issue on them. Claims 7, 8 and 9 go beyond that feature and are too broad. They should not be allowed. Judgment will be entered accordingly.

REVERSED AND REMANDED for further proceedings in accordance with this opinion.

WASHINGTON, *Circuit Judge* (dissenting):

I regret the necessity of dissenting in this case. The right of an inventor to a patent was a subject of express constitutional concern (Article I, § 8), and has long been safeguarded by congressional legislation. In our own day, the obtaining of an important patent is one of the few remaining ways in which an individual can by intellectual and scientific endeavor obtain substantial monetary rewards. The encouragement of inventive activity is a function not only of the Patent Office but of the courts; neither should be reluctant to recognize a real contribution to science and the arts. But the contribution must possess distinct and substantial originality.

In experimenting with internal combustion engines, Broderson was working in a highly developed field. The specific objectives which he sought to achieve—elimination of knock and operation at constant pressure over wide power demands—have been the goals of many inventors. Broderson admittedly employs known elements of design and operation. It seems evident that he could not obtain a design patent, nor has he asked for one. He is seeking a method patent. But if a design patent is not obtainable, the grant of a method patent having the practical effect of establishing a monopoly over the design would certainly be unwarranted. Further experimentation should not be thus inhibited. And the Supreme Court has recently pointed out the caution which the courts must observe in ascribing patentability to an assembly of previously known elements. *A. & P. Tea Co.* v. *Supermarket Equipment Corp.*, 340 U. S. 147, 642 O. G. 5.

The prior art cited by the Patent Office, as embodied in some thirteen patents,[6] indicates the number and variety of devices which have been used by Broderson's predecessors. Only three of these patents—Mock, Werner, and the British Patent No. 373,647—were specifically relied on by the Board of Appeals and the district court in rejecting the application, and only those three were urged upon us in appellee's brief. These are the prior patents discussed by the majority of the court. All thirteen, however, were reviewed by the Patent Office Examiner, cited by the Board of Appeals and presented to the district court and this court. They form a part of the record on which the application must be considered. I do not agree with the majority's restricted characterization of the teachings of the three mentioned patents. But even if that characterization were correct, that should not be the end of the matter. We ought not, after considering only these three patents, authorize issuance of a patent which could not be sustained on the basis of the additional references.[7] To do so would be both wasteful and contrary to the public interest. The patent so granted would not withstand a subsequent challenge, and in the meantime might well hinder further development. The present litigation is one in which the public has an interest; we cannot judge it as if it were a private battle between the applicant and the Commissioner.

The inventiveness claimed for Broderson's idea is, in the words of the majority, "two simultaneous homogeneous mixtures of fuel and air"; . . . constant pressure in the cylinder and a mixture of ignitable proportions always at the spark plug, although the fuel is varied according to power demand; and . . . the arrangement and combination of known features of design and standard elements of operation to achieve these new and novel results." Most of these aspects of the method are concededly well-known.[8] The only real question is whether Broderson's means for assuring that there will always be an ignitable mixture adjacent to the spark, while the richness of the mixture at other points in the combustion space is varied with power demand, constitutes a patentable invention.

The idea of securing a rich mixture at the point of ignition and a leaner mixture elsewhere is revealed in at least three prior patents.[10] While it is true that these earlier devices do not make use of two chambers, that element of design is old in the art.[11] The fact that Broderson segregates the rich mixture largely in one chamber while supplying a variable mixture to the other does not, I think, provide a sufficient element of novelty to warrant a patent. Suppose that Broderson had used two fuel injectors, one in each of his combustion chambers, to secure the mixture distribution which he claims to have achieved by the use of only one injector. He would have "two simultaneous homogeneous mixtures," but this would hardly constitute invention in view of the common prior use of multiple injectors and chambers to obtain whatever fuel apportionment happened to be desired.[12] His application is not saved by having only one injector and by accomplishing apportionment by means of the timing of the fuel injection plus the flow of air between the chambers. Variations in injection timing and use of air flow or turbulence to achieve a desired type of fuel-air mixture distribution are both well known to the art.[13] Broderson has shown skill and imagination in his use of known methods in order to achieve the effect he desires. Ingenuity is not, however, a substitute for invention.

For these reasons, I have not been convinced either that the Patent Office misunderstood and undervalued Broderson's contribution[14] or that he himself has claimed it in a form which sufficiently distinguishes it from the prior art. To me the reasonable basis for the Patent Office's rejection of Broderson's application is clear. The finding of such a basis, of course, is all this court can be concerned with; if it exists, we cannot order the issuance of a patent.[15] From the nature of Broderson's application and the field with which he is concerned, and from the finding against him by the Patent Office, there has devolved upon appellant an onerous burden. In my view he has failed to sustain it.

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[4] Several other patents were mentioned before the Examiner, but both the Board and the district court treated the three we have discussed as reflecting the full of the prior art. Both parties followed the same course in this court. We see no reason for us to attempt, under those circumstances, to ascertain sua sponte whether that evaluation of the three patents was accurate upon comparison with other patents not relied upon here.

[6] These are as follows:
Yost, et al., 1,096,585, May 12, 1914.
Power, 1,235,725, Aug. 7, 1917.
Werner, 1,616,157, Feb. 1, 1927.
Hesselman, 1,835,490, Dec. 8, 1931.
Wild, et al., 2,005,063, June 18, 1935.
Starr, 2,025,362, Dec. 24, 1935.
Bremser, 2,061,826, Nov. 24, 1936.
Mock, 2,142,280, Jan. 3, 1939.
Dillstrom, 2,145,250, Jan. 31, 1939.
Chapman, 2,204,068, June 11, 1940.
British Patent, 195,609, Jan. 31, 1924.
British Patent, 373,647, May 17, 1932.
Swiss Patent, 208,611, May 16, 1940.

[7] The necessary implication of the Supreme Court's ruling in *Hill* v. *Wooster*, 132 U. S. 693, 50 O. G. 560, is that the district court must not authorize issuance of a patent after overturning a Patent Office ruling unless it finds affirmatively that the claims are in fact patentable; further, in determining patentability, the court must consider any material brought to its attention whether or not the Patent Office's decision was based thereon. Cf. *Knutsen* v. *Gallsworthy*, 82 U. S. App. D. C. 304, 306–08, 313–14, 164 F.2d 497, 499–501, 506–07, 608 O. G. 215. And this court has on occasion gone to the length of consulting material entirely outside the record in order to inform itself regarding the prior art. See *Radtke Patents Corp.* v. *Coe*, 74 App. D. C. 251, 270, 122 F.2d 937, 956, cert. den. 314 U. S. 695, 535 O. G. 3.

[8] Broderson himself claims a "controlled stratification of the fuel." Claim 1 of his application is typical, and reads as follows:

"1. The method of operating a four-cycle internal combustion engine which comprises *admitting constant charges of air to the combustion space* of the engine *including a main combustion chamber and an auxiliary combustion chamber* communicating with the main combustion chamber through a restricted passage and having a volume not substantially exceeding the volume of the main combustion chamber at top center position of the piston, *compressing the air* within the combustion chambers, *supplying* to the combustion chambers *controlled charges of fuel* varied in amount in relation to the power demand upon the engine, *injecting* into the auxiliary combustion chamber during the compression stroke of the piston *controlled portions of said charges of fuel* varied in amount in predetermined relation to the total quantity of fuel supplied *to effect a controlled stratification of the fuel* between the auxiliary combustion chamber and the main combustion chamber *and to provide* in the auxiliary combustion chamber at the time of ignition *an ignitable fuel mixture under all conditions* of power demand irrespective of variation in composition of the fuel-air mixture obtained in the main combustion chamber, and igniting the mixture under compression in the auxiliary combustion chamber." [Emphasis added.]

[9] It is not strenuously urged that the use of constant air pressure constitutes invention, nor can it be in view of the earlier patents embodying this feature. E. g., Starr, Bremser, Mock. In Bremser and Mock, the feature of constant air intake is not express, but each patent uses an air intake valve apparently without a throttling mechanism. Bremser, like Starr, provides for concentration of fuel density at the spark plug to assure ignition. See Bremser application, p. 1, col. 1, li. 27–30, and claims 6 and 19.

Variation of fuel with power demand, of course, is a principle on which the usual Otto-type engine operates.

[10] Starr, Bremser, Mock.

[11] See Chapman, Weber; cf. Werner.

[12] Ibid; and cf. British Patent No. 195,609.

[13] Mock, Bremser, Chapman, Starr, Hesselman.

[14] I do not think controlling the Board of Appeals' failure to mention expressly what the majority considers as the "essence" of the claimed invention, especially in view of the patent examiner's explicit treatment of the point. App. 156–57, 160–61.

[15] See *Besser* v. *Ooms*, 81 U. S. App. D. C. 7, 154 F.2d 17, 585 O. G. 177; *Standard Oil Development Co.* v. *Marzall*, — U. S. App. D. C. —, 181 F.2d 280, 633 O. G. 995.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,903,659. R. J. Smith, Machine and method for applying fastener elements; 2,026,413, Binns & De Hart, Method and machine for making flexible closures; 2,078,016, N. J. Poux, Method of forming interlocking members for separable fasteners; 2,078,017, 2,169,176, same, Method of making separable fasteners, D. C., S. D. N. Y., Doc. 48/481, *Talon, Inc.* v. *Closurette Corp. of America.* Stipulation and order dismissing complaint and counterclaim Nov. 29, 1951.

2,003,707, W. J. De Witt, Hosiery form; 2,029,706, same, Method and apparatus for making hosiery forms, D. C., S. D. N. Y., Doc. 52/307, *Shoe Form Co., Inc.* v. *Just Plastics, Inc.* Judgment on consent, patents held valid and infringed; complaint dismissed without prejudice Nov. 28, 1951.

2,026,413. (See 1,903,659.) 2,029,706. (See 2,003,707.)

2,078,016. (See 1,903,659.) 2,078,017. (See 1,903,659.)

2,150,110, Strauss & Faulterstick, Car heater and defroster, filed Nov. 27, 1951; D. C., E. D. Wis. (Milwaukee), Doc. 5430, *A. Testolin et al.* v. *General Motors Corp.*

2,169,176. (See 1,903,659.) 2,170,531. (See 2,203,156.)

2,171,024, N. C. Coates, Tile cutting machine; 2,450,371, same, Masonry saw, D. C., E. D. Pa. (Philadelphia), Doc. 10171, *Clipper Mfg. Co.* v. *Victor Engineering Corp. et al.* Dismissed Nov. 27, 1951.

2,181,163, R. W. Akins, Adjustable support for buildings, C. C. A., 6th Cir., Doc. 11262, *Fizag Post & Engineering Co.* v. *Adjusta Post Co. et al.* Decree reversed Nov. 27, 1951.

2,203,156, J. S. Kahn, Combined container opener and liquid dispenser; 2,170,531, same, Apparatus for mixing a liquid with a gas, D. C., E. D. N. Y. (Brooklyn), Doc. 11230, *Carter Products, Inc.* v. *Julian S. Kahn.* Summary judgment granted holding 2,170,531 invalid because of unreasonable delay in entering disclaimer; Patent 2,203,156 held not infringed Nov. 21, 1951.

2,226,449, F. C. Stephens, Method of repairing textile fabrics, D. C., S. D. Tex. (Houston), Doc. 6304, *C. L. Young et al.* v. *Mendit Weaving Co.* Consent decree, defendant enjoined from further infringement; all claims of defendant in cross action dismissed Nov. 28, 1951.

2,355,789, B. S. Faber, Method of making fabric; 2,371,038, same, Fabric, filed Nov. 29, 1951, D. C., S. D. N. Y., Doc. 71/228, *B. S. Faber* v. *Duraloom Carpet Mills, Inc., et al.*

2,371,038. (See 2,355,789.) 2,450,371. (See 2,171,024.)

2,455,266, E. Nudelman, Children's amusement device, D. C., N. D. Ill. (Chicago), Doc. 49c8, *Topic Toys et al.* v. *Crest Specialty et al.* Judgment after mandate dismissing complaint; patent, particularly as to claims 2 and 3, held invalid for want of invention May 31, 1951.

2,462,763, V. C. Nightingall, Protectively coated ferrous metal surfaces and method of producing same; 2,509,875, A. McDonald, Alkali silicate coating composition, filed Dec. 3, 1951, D. C. Del. (Wilmington), Doc. 1420, *Dimet Proprietary, Ltd., et al.* v. *Industrial Metal Protectives, Inc.*

2,509,875. (See 2,462,763.)

2,528,028, A. F. Barry, Method and means for separating hydrocarbon liquids and water from high-pressure gas streams, filed Nov. 30, 1951, D. C., S. D. Tex. (Houston), Doc. 6463, *The Superior Oil Co.* v. *Parkersburg Rig & Reel Co.*

2,576,491, J. Ulano, Composite sheet material, filed Nov. 27, 1951, D. C., S. D. N. Y., Doc. 71/211, *Ulano Products Co.* v. *Nu-Film Products Co., Inc.*

2,576,791, R. J. Jackson, Pile fabric floor covering, filed Nov. 30, 1951, D. C., E. D. Pa., Doc. 13000, *Bigelow-Sanford Carpet Co., Inc.* v. *C. H. Masland & Sons.*

Des. 151,732 (*a*), W. G. Bley, Lady's stocking, D. C., E. D. Pa., Doc. 11569, *Sanson Hosiery Mills, Inc., et al.* v. *B & Z Hosiery Products Co.* Consent judgment favor plaintiff Nov. 23, 1951.

Des. 151,732 (*b*), Des. 151,733, W. G. Bley, Lady's stocking, D. C., E. D. Pa., Doc. 10458, *Sanson Hosiery Mills, Inc., et al.* v. *John Irving Stores of Philadelphia.* Consent judgment favor of plaintiff Nov. 27, 1951.

Des. 151,733. (See Des. 151,732 (*b*).)

Des. 164,782, J. L. Librizzi, Decorative light bulb, filed Nov. 29, 1951, D. C., S. D. N. Y., Doc. 71/235, *Radiant Glass Fibers Co., Inc.* v. *Colonial Decorative Display Co., Inc.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 334,376, Walter Kidde & Co., Inc., Liquid fire extinguishing apparatus; T. M. 426,786, same, Portable hand fire extinguisher; T. M. 515,545, T. M. 515,546, same, Receptacles, electrical apparatus, chemical preparations, etc., filed Nov. 29, 1951, D. C., S. D. N. Y., Doc. 71/231, *Walter Kidde & Co., Inc.* v. *K-D Lamp Co.*

T. M. 408,153, Automatic Washer Co., Domestic laundry machines, D. C., S. D. Iowa (Des Moines), Doc. 1/60, *Thor Corp.* v. *Automatic Washer Co.* Judgment on consent Nov. 26, 1951.

T. M. 426,786. (See T. M. 334,376.)

T. M. Ser. 492,793, M. M. Rosenberg, Inc., Shoes, slippers and boots, D. C., S. D. N. Y., Doc. 49/533, *Miles Shoe, Inc.* v. *R. H. Macy & Co., Inc.* Judgment, plaintiff entitled to register trade-mark; defendant's registration valid; plaintiff's trade-mark does not infringe defendant's, Nov. 28, 1951.

T. M. 515,545. (See T. M. 334,376.)

T. M. 515,546. (See T. M. 334,376.)

NOTICES

Extension of Patents Granted

Patent No. 2,158,078. Fastener Elements and Methods of Producing Them. Granted May 16, 1939. Thomas G. Miller. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 174 days from the expiration of the original term thereof.

Patent No. 2,158,079. Slide Fasteners and Methods of Making Them. Granted May 16, 1939. Thomas G. Miller. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 174 days from the expiration of the original term thereof.

Patent No. 2,275,454. Interlocking Fastener Elements. Granted Mar. 10, 1942. Thomas G. Miller. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 352 days from the expiration of the original term thereof.

Cancellation Notices

American Smoked Cheese Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Kraft Foods Company, 500 Peshtigo Court, Chicago, Ill., to effect the cancellation of trade-mark registration of American Smoked Cheese Company, 1237 39th St., Brooklyn, N. Y., No. 397,039, dated August 11, 1942, and the notice of such proceeding sent by registered mail to the said American Smoked Cheese Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said American Smoked Cheese Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

ERNEST F. KLINGE,
Dec. 6, 1951. *Assistant Commissioner of Patents.*

Harry N. Drucker, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Chicago Roller Skate Company, 4450 W. Lake St., Cook County, Chicago, Ill., to effect the cancellation of trade-mark registration of Harry N. Drucker, 419 E. Mitchell Ave., Cincinnati, Ohio, No. 344,907, dated April 6, 1937, and the notice of such proceeding sent by registered mail to the said Drucker at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Drucker, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

ERNEST F. KLINGE,
Dec. 6, 1951. *Assistant Commissioner of Patents.*

John L. Nilson, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by John P. Demling, 1105 Hayes Avenue, Oak Park, Ill., to effect the cancellation of trade-mark registration of John L. Nilson, 4751 Sheridan Road, Chicago, Ill., No. 440,505, dated September 7, 1948, and the notice of such proceeding sent by registered mail to the said Nilson, at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Nilson, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

ERNEST F. KLINGE,
Dec. 6, 1951. *Assistant Commissioner of Patents.*

Classification Order No. 116

November 27, 1951

The following changes in the classification of inventions are hereby directed to take effect immediately:

ESTABLISH CLASS

53, Package Making (Division 17)

(S. M. Newman, C. G. Smith and C. W. Tomlin, *Classifiers*)

Note.—The subclass schedule, definitions of the above class, and complete Classification Order No. 116 appear in Classification Bulletin No. 402, price 40 cents.

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *Class 93, Paper Manufactures* (Division 17)

1,2 **Seed tape machines**
Wrapping machines
2 Miscellaneous
3 Receptacle making and filling
4 Packet making and wrapping
5 Crimpers and twisters
6 Receptacle filling and closing
7 Traveling carrier

In *Class 223, Apparel Apparatus* (Division 24)

Collar, Cuff and Bosom Making
5 Packaging

In *Class 270, Sheet-Material Associating or Folding* (Division 17)

With printing
2 Folding and wrapping
3 Rolling and wrapping
23 **Folding and wrapping**
24 Combined folders
25 Oscillating folding blade
26 Reciprocating folding blade
27 **Rolling and wrapping**
28 Flattening
29 Pocket former

ABOLISH SUBCLASS TITLES

In *Class 93, Paper Manufactures*

cancel the unnumbered subclass title "Wrapping machines" following subclass 1.3.

CHANGE SUBCLASS TITLES

In *Class 93, Paper Manufactures*
in subclass 93, change the title to read:

93 **Bunching and binding**

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
93	1,2	53	83+
93	2, 3, 7	53	Various
93	4	53	104+
93	5	53	87, 141
93	6	53	136+
223	5	53	50+, 105
270	2	53	60
	3	53	60
	23-29	53	50+

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED CLASS

Established		Source	
Class	*Subclass*	*Class*	*Subclass*
53	All	93	1,2
		93	2-7
		93	93
		28	21
		223	5
53	50+	270	2, 3, 23-29

SUBCLASS SCHEDULE

Class 53, Package Making

1 **Match book making**
2 Methods
3 **Methods (banding here)**
4 Annular package
5 Cover adjunct application or formation
6 With contents treating
7 Group forming of contents units
8 Plural covers
9 Progressively seamed cover web
10 Receptacle formed and subsequently filled
11 Plural sectioned cover
12 Envelope or triangular flap-fold
13 Wrapping
14 With heat sealing
15 Cup or pouch forming
16 End closing
17 With heat sealing
18 Outturned seam
19 With side tucking
20 With folding over
21 Slit or cut flaps
22 **Multiple bottle or can carrier type package**
23 **Bottle cover or carton application**
24 **Package unfolding**
25 **Registration control**
26 **Automatic or triggered control**
27 Separate delivery of incomplete or defective package
28 Separate delivery of incomplete or defective contents or contents group
29 Concurrent control of contents and cover feeds
30 Stopped by contents, manually reset
31 By absence of contents
32 Triggered by presence of contents
33 Of contents feed
34 By absence of part of group contents
35 Group feed triggered by completion of group
36 By contents controlled group former
37 Skip feed by absence of cover
38 Of cover feed or cover adjunct feed or application
39 Of marker by defective package component
40 Severed length determined by contents size
41 Skip feed by absence of contents
42 Triggered by presence of contents
43 Of end closing
44 Triggered by presence of package
45 **Interrelated or safety controls**
46 **With alarms, signals, indicators, inspection means and counters**
47 **With contents material treating**
48 Vacuum or inert atmosphere
49 Reshaping
50 Folding or rolling up of sheet material or garments
51 Rotary winding
52 Slotted or divided mandrel
53 Slot and blade doubling
54 Crushing
55 Molding or plastic deformation
56 Cutting
57 Compacting or stretching
58 Heating or cooling
59 **With cover-adjunct application or formation**
60 Printing or protective coating
61 Package opening device (e. g., tear strip)
62 String or handle
63 Binding string
64 Strip, stamp, gap filler or non-encircling label
65 **With cover material pre-conditioning**
66 **Group forming of contents units and subsequent packaging or further packaging**
67 From plural or different supply sources
68 Diverse shapes or forms of units
69 Package reinforcing sheet or trough
70 Insert or separating sheet
71 Joined receptacle or pockets
72 Stack forming
73 Inverting one or more units
74 **Combined**
75 **Selective or alternate supply of plural covers and/or plural contents**
76 **Sliding tray and shell type package**
77 **Plural layer cover application**
78 Concurrently formed with multi-layered blank
79 Filling preformed receptacle and subsequent covering
80 Wrapping and subsequent filling of preformed receptacle
81 Lining preformed receptacle
82 At least one layer a band
83 **Progressively seamed cover webs or web folds**
84 Multi-row
85 With package unit severing and subsequent closing of severed ends
86 With closing of web between package units
87 By twisting
88 Concurrent severing
89 **Cover receptacle formed or partly formed and subsequently filled**
90 Plural sectioned receptacle
91 Carton set-up and filled
92 Receptacle filled while on receptacle forming means
93 Hollow forming mandrel or plunger
94 Gathered mouth receptacle
95 External forming pocket
96 On folding conveyer
97 **Partial cover application**
98 Band or tube
99 End of band inter-leaved with contents (e. g., book or magazine band)
100 Uncovered reduced projection or handle (e. g., lollypops)
101 **Convertible**
102 **Plural sectioned cover application**
103 **Plural line packaging**
104 **Wrapping machines**
105 Annular package
106 Granular contents material
107 Packet or envelope type
108 Notched or corner-slit cover blanks
109 With cover notching or slitting
110 Prepositioned cover and contents transported to wrapping means
111 Cinched or wiped around initial wrap
112 By rotation of contents
113 Stacked contents (e. g., coins)
114 Hand manipulated type
115 Cover at least in part adhered to contents
116 Apron type
117 Rolling movement
118 With end twisting
119 Fixed package support during wrapping
120 Hand manipulated type
121 Cover-wiping passage or pocket for initial wrap
122 Cup- or pouch-forming initial wrap
123 Four-sided corner flap forming chute or pocket
124 Package advanced through succeeding fold chute
125 Package advanced by folding carrier
126 Rotary turret or carrier
127 With end crimper or in-folder
128 With end twister
129 U-fold forming initial wrap
130 Outturned longitudinal seam
131 Package advanced through succeeding fold chute
132 Via intermediate non-folding carrier
133 Package advanced by folding carrier
134 Continuously moving carrier
135 Rotary turret or carrier
136 **Filling preformed receptacles and closing**
137 Opposite end closing
138 **Closing packages and filled receptacles**
139 Independently closed plural covers
140 Separate closure applying
141 Twisters
142 Outturned seam closure
143 With excess cover material trimming
144 Heating or cooling seam
145 Multiple flaps
146 Heating or cooling flap seam
147 Single flap type closure
148 Tucked and/or folded flaps
149 Heating or cooling flap seam
150 Serially formed
151 **Flap folders**
152 With adhesive applicator member
153 **Flap or seam holders (e. g., adhesive setting)**
154 Heated or cooled
155 **Cover feeding**
156 **Miscellaneous**

M. C. ROSA,
Executive Primary Examiner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,238,738. Composition for Coating Metal Being Formed. Patented Apr. 15, 1941. A coating for metals being formed, such as wire drawing, stamping, die casting, etc., which will permit increased production and a smoother finish than conventional lubricants. The ingredients include a vegetable soap, ferrous oxide, and lime water intermixed in various proportions for different uses. (Owner) Harold R. Hurd, 4918 East 24th St., Kansas City 1, Mo. Groups 28—34—99; 33—12—75; 34—41; 35—42. Reg. No. 46,019.

Pat. 2,558,890. Wheeled Disk Harrow. Patented July 3, 1951. Gang disk harrow may be conveniently adjusted for deep or shallow cutting. The rotary disks are arranged in staggered transverse rows and are easily adjusted to the individual cutters or in gangs. A main frame on caster wheels has intermediate cross rails with elbow arms pivoted thereto. The arms are independently adjustable by set screws in extension ears of hubs pivoted to the arms, in which is journaled the slidable stub axle of a disk-like rotatable cutter. (Owner) William W. White, 411½ 7th Ave., S., Great Falls, Mont. Group 35—22. Reg. No. 46,020.

Pat. 2,486,964. Electrical Accumulation. Patented Nov. 1, 1949. Electrical accumulator does not require the use of a liquid. A glass case having a metal plate at the top and bottom is divided into two chambers by an insulating partition. Conductive powdered particles are confined in the chambers so that electrons pass from particle to particle. Electrical energy of one polarity may be supplied to the particles in one chamber, and electrical energy of opposite polarity supplied to the particles in the other chamber. The particles when oppositely charged are moved toward the partition by their mutual attraction. (Owner) Monroe E. Miller, 4911 42d St., N. W., Washington 16, D. C. Group 36—19—92. Reg. No. 46,021.

Pat. 2,536,981. Optical Projection Apparatus. Patented Jan. 2, 1951. Apparatus for projecting an image may be used as a camera for obtaining a full size image of an object at various distances away, and is also useful for a magic lantern or stereopticon for projecting a full size image to a screen at various distances away. A metal case containing a rotary scanning wheel is provided with aligned front and rear windows located above the axis of the wheel. The wheel has a front disc provided with a series of spirally arranged lenses, and a rear disc provided with pinholes coaxial with the lenses. Parallel telescoped spirally arranged tubes between the discs, each surrounding a lens and a pinhole, constitute dot image projectors. The tubes are mounted for rotation with the wheel. (Owner) Monroe E. Miller, 4911 42d St., N. W., Washington 16, D. C. Group 39—12. Reg. No. 46,022.

Pat. 2,563,422. Household Implement. Patented Aug. 7, 1951. Implement for removing dishes, glasses, etc., from dish water. A pair of elongated members (of metal or plastic) have arched rear ends which are hingedly connected. The forward ends overlap, and one end has a serrated jaw and the other a convexly rounded jaw. The jaws are normally urged together by a spring. To separate the jaws the sections are forced together by the fingers of one hand placed forward of the spring. Upon release, the jaws automatically clamp down upon the edge of a dish. (Owner) Mrs. Therese M. Sabo, 114 West 23d St., Los Angeles 7, Calif. Groups 33—73; 34—41—99; 39—81; 40. Reg. No. 46,023.

Des. 156,039. Dish Cloth Holder. Patented Nov. 15, 1949. Design for a device for removably holding a dish-cloth during use. (Owner) Mrs. Therese M. Sabo, 114 West 23d St., Los Angeles 7, Calif. Groups 25—99; 33—73; 39—81; 40. Reg. No. 46,024.

Pat. 2,034,007. Closure for Receptacles. Patented Mar. 17, 1936. A metallic finger tab is soldered over a dispensing opening in the metallic top of a receptacle such as a condensed milk can. The tab is so formed that it may be peeled from the receptacle top by hand without the use of tools. (Owner) Elizabeth Smith. Correspondence to Philip B. Polster, 1004 Market St., St. Louis 1, Mo. Groups 33—31—73; 40. Reg. No. 46,025.

The following three patents are offered for non-exclusive licensing on stated terms by B & W Inc. Inquiries concerning the patents should be addressed to: Lyon & Lyon, 811 West Seventh St., Los Angeles 17, Calif.

Pat. 2,338,372. Method for Conditioning Well Bores. Patented Jan. 4, 1944. Provides a method of conditioning well bores immediately prior to the well's going into production. A tubular production string or well casing provided with external spaced radial abraders at desired points is lowered into a mud-lined well bore and reciprocated and rotated to abrade the walls to dislodge the mud and expose the virgin earth formation in the production area or areas. During the abrading operation fluid is circulated downwardly through the string and upwardly to flush the dislodged material from the well and prevent the re-depositing of mud on the walls. After this operation is completed, the same string is set in the well and utilized to conduct fluid yield from the exposed virgin earth formation out of the well. Group 35—32. Reg. No. 46,026.

Pat. 2,392,352. Method of Placing Cement Plugs in Well Bores. Patented Jan. 8, 1946. Method of placing cement plugs in well bores insures direct contact of the cement with the virgin earth formation. A wash pipe provided with external spaced radial abraders at desired points is lowered into the well and reciprocated and rotated to abrade the walls of the well to dislodge the mud and expose the virgin earth formation. During the abrading operation fluid is circulated downwardly through the pipe and upwardly to flush the dislodged material from the well. Cement slurry is then forced downwardly through the pipe and upwardly into the well bore occupied by the abraders, and the cement is agitated by the abraders. The pipe is then elevated until the lower end is at the level intended to be the top of the plug, fluid is circulated to remove the surplus cement, and the pipe withdrawn. Group 35—32. Reg. No. 46,027.

Pat. 2,374,317. Well Production Equipment. Patented Apr. 24, 1945. This patent shows equipment for practicing the methods disclosed in the above two patents, No. 2,338,372 and No. 2,392,352. (The offer to grant licenses under this patent is limited to claims 1 through 9 and claim 15.) Group 35—32. Reg. No. 46,028.

Pat. 2,340,852. Means for Clamping Hose and Couplings. Patented Feb. 8, 1944. A fastening ring of brass or other material for insertion in the end of a hose seated in a coupling for expansion within the hose for a tight connection. The ring comprises an endless sleeve straight from edge to edge with corrugations along straight lines from edge to edge which are smoothed out with an expanding tool after the hose has been inserted into the coupling. (Co-owner) Philip L. Wormeley, 3217 Connecticut Ave., Washington 8, D. C. Groups 30—31; 34—99; 35—69. Reg. No. 46,029.

Pat. 2,559,344. Styptic Attachment for Razors. Patented July 3, 1951. A removable attachment for the handle of a safety razor for supporting a ball-shaped styptic element. A sleeve-type casing of metal, plastic, or the like has a series of spring fingers and a clamping ring for securing to handle. The styptic element, rotatably mounted at end of sleeve, is protected, when not in use, by a pivoted hemispherical cover. Modifications given. (Owner) S. S. Cesar, 111 Crundale Ave., London, N. W. 9, England. Groups 33—51—73; 39—81; 40. Reg. No. 46,030.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Groups 28—34—86—88; 32—29—97; 33—11—59—63—83—99; 34—19—29; 35—11—19—41—61—65—69; 36—11—12—13—19—21—31—41—61; 39—11. Reg. Nos. 46,031 through 46,112.

Pat. 1,987,433. Combustion Control. Jan. 8, 1935.

Pat. 1,994,316. Scraping Fixture. Mar. 12, 1935.

Pat. 2,027,155. Apparatus for and Method of Fusing Vitreous Material. Jan. 7, 1936.

Pat. 2,038,402. Method for Reduction of Refractory Oxides. Apr. 21, 1936.

Pat. 2,057,560. Combustion Engine Piston and the Like. Oct. 13, 1936.

Pat. 2,059,017. Screen Filtering Arrangement. Oct. 27, 1936.

Pat. 2,077,192. Emergency Speed Governor. Apr. 13, 1937.

Pat. 2,114,868. Steel Having a High Resistance to Creep. Apr. 19, 1938.

Pat. 2,246,129. Electric Circuit Breaker. June 17, 1941.

Pat. 2,253,962. Reactor. Aug. 26, 1941.

Pat. 2,298,885. Method for Producing High Density Sintered Products. Oct. 13, 1942.

Pat. 2,309,433. Protective System. Jan. 26, 1943.

Pat. 2,333,053. High Temperature Elastic Fluid Turbine. Oct. 26, 1943.

Pat. 2,336,232. Gas Turbine Power Unit. Dec. 7, 1943.

Pat. 2,349,319. Process for Heat Treating Nickel-Chrome Tungsten Alloy Steels. May 23, 1944.

Pat. 2,398,678. High Strength Alloy for Use at Elevated Temperatures. Apr. 16, 1946.

Pat. 2,423,738. Forgeable Alloy for High-Temperature Use. July 8, 1947.

Pat. 2,442,209. High-Temperature Alloy. May 25, 1948.

Pat. 2,469,887. Forgeable High-Temperature Alloys. May 10, 1949.

Pat. 2,491,839. Process for Electroplating a Sintered Ferrous Article. Dec. 20, 1949.

Pat. 2,492,761. High-Temperature Alloys. Dec. 27, 1949.

Pat. 2,515,774. High-Temperature Alloy. July 18, 1950.

Pat. 2,535,662. Mold for Casting Metals. Dec. 26, 1950.

Pat. 2,547,660. Gas Turbine Powerplant. Apr. 3, 1951.

Pat. 2,553,341. Electric Terminal. May 15, 1951.

Pat. 2,071,199. Extraction Elastic Fluid Turbine Arrangement. Feb. 16, 1937.

Re. 20,396. Parallel Flow Turbine Arrangement. June 8, 1937. (Original No. 2,067,834. Jan. 12, 1937.)

Pat. 2,095,860. Governing Mechanism for Elastic Fluid Turbines. Oct. 12, 1937.

Pat. 2,111,420. Governing Mechanism for Elastic Fluid Turbines. Mar. 15, 1938.

Pat. 2,177,544. Valve Mechanism. Oct. 24, 1939.

Pat. 2,186,952. Elastic Fluid Turbine. Jan. 16, 1940.

Pat. 2,247,423. Elastic Fluid Turbine Diaphragm Supporting and Centering Arrangement. July 1, 1941.

Pat. 2,253,963. Governing Mechanism. Aug. 26, 1941.

Pat. 2,471,160. Combination Balanced Shutoff and Throttling Valve Assembly. May 24, 1949.

Pat. 2,520,568. Governing Mechanism for Extracting Type Turbines. Aug. 29, 1950.

Pat. 2,523,039. Dual Pressure-Responsive Safety Device for Prime Movers. Sept. 19, 1950.

Pat. 2,523,078. Governing Mechanism for Multistage Elastic Fluid Turbines. Sept. 19, 1950.

Pat. 2,125,124. Load Loss Meter. July 26, 1938.

Pat. 2,134,575. Multiple Element Meter. Oct. 25, 1938.

Pat. 2,136,251. Volt-Ampere-Hour Meter. Nov. 8, 1938.

Pat. 2,210,778. Current Responsive Instrument. Aug. 6, 1940.

Pat. 2,213,085. Temperature-Compensated Electrical Device. Aug. 27, 1940.

Pat. 2,220,731. Long Scale Frequency Meter. Nov. 5, 1940.

Pat. 2,247,808. Surge Indicator. July 1, 1941.

Pat. 2,256,464. Thermal Demand Meter Reset. Sept. 23, 1941.

Pat. 2,264,073. Temperature Compensating Resistor and Method of Making the Same. Nov. 25, 1941.

Pat. 2,264,074. Temperature Compensating Resistor. Nov. 25, 1941.

Pat. 2,275,899. Thermal Demand Attachment for Meters. Mar. 10, 1942.

Pat. 2,278,995. Watthour Meter. Apr. 7, 1942.

Pat. 2,324,307. Ampere Hour Meter. July 13, 1943.

Pat. 2,339,606. Gyroscope Erecting Device. Jan. 18, 1944.

Pat. 2,415,707. Attitude Indicator. Feb. 11, 1947.

Pat. 2,488,358. Gyroscope Erecting Device. Nov. 15, 1949.

Pat. 2,491,813. Gyroscope. Dec. 20, 1949.

Pat. 2,496,896. Spring Toggle Mechanism. Feb. 7, 1950.

Pat. 2,501,547. Vest Pocket Exposure Meter Having Louvers, Light Cell, and Instrument Magnet in Contacting Layers. Mar. 21, 1950.

Pat. 2,509,027. Overload Protection for Meters. May 23, 1950.

Pat. 2,518,149. Flowmeter. Aug. 8, 1950.

Pat. 2,519,058. Deviation Compensator. Aug. 15, 1950.

Pat. 2,523,081. Gyroscope Electrical Connection Apparatus. Sept. 19, 1950.

Pat. 2,524,553. Gyroscope Positioning Apparatus. Oct. 3, 1950.

Pat. 2,092,627. Carbon Brush. Sept. 7, 1937.

Pat. 2,393,816. Electrical Contact Element. Jan. 29, 1946.

Pat. 2,403,471. Electrical Contact Brush. July 9, 1946.

Pat. 2,404,662. Electrical Contact Element. July 23, 1946.

Pat. 2,411,060. Contact Element. Nov. 12, 1946.

Pat. 2,418,810. Contact Element. Apr. 15, 1947.

Pat. 2,418,811. Contact Element. Apr. 15, 1947.

Pat. 2,429,847. Electric Contact Brush and Connector. Oct. 28, 1947.

Pat. 2,549,426. Electric Transformer. Apr. 17, 1951.

Pat. 2,550,500. Low Yoke Transformer Core. Apr. 24, 1951.

Pat. 2,349,095. Electric Circuit Breaker. May 16, 1944.

Pat. 2,391,826. Fluid Blast Circuit Breaker. Dec. 25, 1945.

Pat. 2,494,357. Frequency Responsive Control System. Jan. 10, 1950.

Pat. 2,497,652. Magnetic Structure. Feb. 14, 1950.

Pat. 2,497,670. High-Frequency Heating and Compression Apparatus. Feb. 14, 1950.

Pat. 2,501,507. Electric Circuit Controller. Mar. 21, 1950.

Pat. 2,506,340. Apparatus for Charging Batteries. May 2, 1950.

Pat. 2,508,985. Angular Motion Transmitting Apparatus. May 23, 1950.

Pat. 2,538,639. Refrigerator Defrosting Device. Jan. 16, 1951.

Pat. 2,550,507. Condition Responsive, Timing, and Sequencing Circuit Control. Apr. 24, 1951.

Pat. 2,552,212. High-Frequency Ignition Systems. May 8, 1951.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 1, 1952

[VOL. 654. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 489,118. The Heller Company, White Plains, N. Y. Filed Sept. 28, 1945.

HOSTESS

For Thermally Insulated Base Metal Ice Vaults and Buckets

Claims use since June 1934.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 518,489. Texize Chemicals, Inc., Greenville, S. C. Filed Mar. 4, 1947.

Texize

For Silver Polish.

Claims use since Nov. 30, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 502,907. Horace G. Martin, New York, N. Y. Filed May 28, 1946.

Lectrine

For Electric Latrines.

Claims use since May 15, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,041. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed July 3, 1947.

FRIENDSHIP

For Paper Tablets, Papeteries, i. e., Stationery Comprising Envelopes and/or Paper Either Flat or Folded Put Up in Boxes, Portfolios, or Banded Packages, and Envelopes.

Claims use since 1893.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 595,466. Johns-Manville Corporation, New York, N. Y. Filed Apr. 8, 1950. (Sec. 2f.)

JOHNS-MANVILLE JM

Applicant claims ownership of Registrations Nos. 68,137, 95,632, and others.

For Diatomaceous Silica in Powdered, Granulated, and Brick Form and in Its Natural State and in Calcined and Flux Calcined States; and Asbestos Fiber.

Claims use since 1929.

Ser. No. 609,184. Minnesota Mining & Manufacturing Company, St. Paul, Minn. Filed Jan. 24, 1951.

SCOTCHLITE

Applicant claims ownership of Registrations Nos. 389,202, 406,082, and others.

For Plastic Sheet Material From Which Letters, Numerals, Emblems, Designs, and the Like May Be Cut for Application to Signboards, Advertising Displays, Traffic Signs, Etc.

Claims use since Dec. 13, 1949.

Ser. No. 612,930. Payne Coal Sales Company, Inc., Wilkes Barre, Pa. Filed Apr. 20, 1951.



The words "The Mark of Quality" and "Symbol of Integrity" are disclaimed. The drawing is lined for orange and black. Applicant claims ownership of Registrations Nos. 233,006, 258,830, and others.

For Coal.

Claims use since Apr. 6, 1951.

CLASS 2

RECEPTACLES

Ser. No. 545,601. Universal Auto Products Corporation, Maywood, Ill. Filed Dec. 27, 1947.

JAKIT

For Imitation Leather Cases, Sold Empty by Applicant and Designed To Receive and Enclose All of the Tools and Tire Changing Equipment Normally Found in an Automobile.

Claims use since Nov. 11, 1947.

Ser. No. 555,589. The J. B. Beaird Company, Inc., Shreveport, La. Filed Apr. 26, 1948.

Challenger

The drawing is shaded to represent the color green. Applicant claims ownership of Registration No. 427,557.

For Liquified Petroleum Gas Storage Tanks.

Claims use since Mar. 1, 1946.

Ser. No. 606,215. Garner & Co., New York, N. Y. Filed Nov. 10, 1950.

PAPERMATIC

For Receptacle for Holding and Dispensing Paper Towels and Wax Paper.

Claims use since Nov. 14, 1947.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 555,507. Independent Pneumatic Tool Company, Chicago, Ill. Filed Apr. 24, 1948.

Thor

Applicant claims ownership of Registrations Nos. 57,742, 97,111, 129,168, 237,202, 385,551, and 388,993.

For Carrying Cases for Portable Power Tools, Parts, Attachments, and Accessories Therefor.

Claims use since 1940.

Ser. No. 612,560. Al Rublinsky, New York, N. Y. Filed Apr. 12, 1951.



For Leather Wallets, Leather Key Cases, Leather Change Purses, and Leather Brief Cases.

Claims use since Feb. 1, 1951.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 552,277. Service Industries, Philadelphia, Pa. Filed Mar. 18, 1948.

TRA-FAX

For Self Polishing Floor Dressing.

Claims use since Oct. 2, 1946.

Ser. No. 598,655. Kenerson-Edgar Company, Cleveland, Ohio, assignor to The Kenerson-Edgar Company. Filed June 6, 1950.

Penny-Brite

The word "Brite" is disclaimed.

For Metal Cleaning and Polishing Compound.

Claims use since November 1949.

Ser. No. 604,503. Western Tire Auto Stores, Inc., Chicago, Ill. Filed Oct. 5, 1950.

ENDURANCE

For Liquid Polishing and Cleaning Compound for Automobiles and Other Lacquered Veneers.

Claims use since Apr. 10, 1933.

Ser. No. 612,325. Harri Hoffmann Co., Milwaukee, Wis. Filed Apr. 6, 1951.

HOFFCO

For Shoe Polish and Dressing.

Claims use since Mar. 24, 1951.

CLASS 5

ADHESIVES

Ser. No. 601,793. International Harvester Company, Chicago, Ill. Filed Aug. 5, 1950.

Irma Harding

The name "Irma Harding" is fictitious.

For Refrigeration Packaging Products—Namely, Sealing Tape.

Claims use since Apr. 29, 1949.

Ser. No. 601,796. International Harvester Company, Chicago, Ill. Filed Aug. 5, 1950.



The name "Irma Harding" is fictitious and the picture is fanciful.

For Refrigeration Packaging Products—Namely, Sealing Tape.

Claims use since Apr. 29, 1949.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 576,661. Seydel-Woolley & Company, Atlanta, Ga. Filed Apr. 5, 1949.



Applicant claims ownership of Registration No. 249,976.

For Chemical Preparations for Sizing and Finishing Textile Fabrics of Animal, Vegetable, and Synthetic Fibres—Namely, After-Treating Agents, Anti-Foaming Agents, Bleaching Agents and Assistants, Boil-Off Assistants, Color Levelling Agents, Conditioning Agents, Degumming Agents, Delustrants, De-Sizing Agents and Assistants, Discharging Agents and Assistants, Dispersing Agents, Dyeing Assistants, Dye Retarding Agents, Enzymes, Fiber Lubricants, Fillers and Assistants, Finishing Compounds, Flame-Proofing Compounds, Fulling Agents and Assistants, Kier Boiling Agents and Assistants, Levelling Agents, Loading Compounds, Lubricating Agents, Lustrants and Relustrants, Mercerizing Assistants, Penetrants, Printing Gums and Thickeners, Sanforized Fabric Oils, Scouring Agents, Scrooping Agents, Sizes and Slacking Compounds, Softeners, Solubilizing Agents, Spinning Oils, Splashproofing Agents, Spotproofing Agents, Stiffeners or Stiffening Agents, Throwing Oils and Assistants, Twist Setting Agents, Waterproofing Agents, Water Repellants, Weaving Assistants, Weighting Compounds, Wetting Agents, Wool Scouring Agents, Yarn Lubricants; and Surface Active Chemicals Having the Properties of Wetting Power, Foam Production, Emulsification or Lowering of Surface Tension—Namely, Wetting Agents, Penetrants and Dispersing Agents for Use in the Paint, Leather and Paper Industries, for Industrial Use for Producing Soluble Oils; Surface Active Chemicals for Use in Lumber Treatment, Surface Active Chemicals for Use in the Manufacture of Adhesives, Surface Active Chemicals for Use in the Manufacture of Solutions for Cleaning and Pickling Metal, Emulsifiers for Use in the Manufacture of Insecticides, Emulsifiers for Use in the Manufacture of Cosmetics, Dispersing Agents for Use in the Manufacture of Printing Inks, Penetrants for Fire Fighting Fluids, Penetrants for Embalming Fluids, Surface Active Agents as Bases for Producing Soluble Oils, and Wetting Agents for Use in the Manufacture of Adhesives and Glues.

Claims use since Jan. 1, 1924.

Ser. No. 599,739. Alkydol Laboratories, Inc., Cicero, Ill. Filed June 26, 1950.

ALK-O-MER

For Polymer and Copolymer Dispersions in an Aqueous Phase for Use in Surface Coatings—Namely, in the Paint, Paper, and Adhesive Industries.

Claims use since Apr. 19, 1950.

Ser. No. 601,071. Northrop Aircraft, Inc., doing business as Dy-Chek Company, Hawthorne, Calif. Filed July 21, 1950.

dy✓chek

For Solutions Used To Detect Surface Flaws—Namely, Flaw Penetrant Solutions, Solvent Solutions, and Developer Solutions.

Claims use since Apr. 3, 1950.

Ser. No. 612,088. Research Products Company, Kansas City, Mo. Filed Mar. 31, 1951.



The word "Bait" is disclaimed. The drawing is lined for shading.

For Chemicals for Poisoning or Killing Rats.

Claims use since Dec. 28, 1950.

Ser. No. 613,880. Marine Development Corporation, Washington, D. C. Filed May 15, 1951.

SURFTEX

For Weather-Proofing and Water-Proofing and Fire-Resisting Material Composed of Latex and a Powder and Applied as a Coating to Fabrics.

Claims use since Mar. 19, 1951.

Ser. No. 614,622. The Great Atlantic and Pacific Tea Company, New York, N. Y. Filed June 1, 1951.

Bright Sail

Applicant claims ownership of Registrations Nos. 386,068, 395,937, and others.

For Liquid Air Purifier and Deodorant.

Claims use since August 1948.

Ser. No. 614,636. Standard Dyewood Company, Medford, Mass. Filed June 1, 1951.

NATTAN

For Synthetic Tanning Agent.

Claims use since Apr. 30, 1951.

Ser. No. 614,647. The Buckeye Soda Company, Painesville, Ohio. Filed June 2, 1951.

BUCKEYE

Applicant claims ownership of Registrations Nos. 184,245 and 264,746.

For Fire Extinguishing Liquid.

Claims use since February 1933.

Ser. No. 614,902. Skinner Machinery Company, Inc., Dunedin, Fla. Filed June 7, 1951.

SOUND DELIVERY

For Material for Degreening Citrus Fruits and for Controlling Decay in Fresh Fruits and Vegetables by Applying It to the Surface Thereof.
Claims use since September 1947.

Ser. No. 615,102. American Cyanamid Company, New York, N. Y. Filed June 13, 1951.

MALATHON

For Insecticide.
Claims use since June 5, 1951.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 599,287. Thalson Company, San Francisco, Calif. Filed June 16, 1950.

StormMASTER

For Smoking Pipes.
Claims use since June 2, 1950.

Ser. No. 599,288. Thalson Company, San Francisco, Calif. Filed June 16, 1950.

STORMTOP

For Smoking Pipes.
Claims use since June 2, 1950.

CLASS 10

FERTILIZERS

Ser. No. 597,858. The Stadler Fertilizer Company, Cleveland, Ohio. Filed Mar. 31, 1950.

STADLER'S RED ARROW

The word "Stadler's" is disclaimed. Applicant claims ownership of Registrations Nos. 509,612 and 523,249.
For Horticultural Peat Moss.
Claims use since Jan. 1, 1950.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 608,731. Powers-Samas Accounting Machines Limited, London, England. Filed Dec. 5, 1950.

SAMAS

Applicant claims ownership of British Registration No. 531,191, dated Apr. 20, 1932.
For Ribbons for Accounting Machines.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 562,812. United States Gypsum Company, Chicago, Ill. Filed Aug. 4, 1948.

ADAMANT

Applicant claims ownership of Registration No. 198,025.
For Plasterboard.
Claims use since 1915.

Ser. No. 590,016. The Falls Stamping & Welding Co., Cuyahoga Falls, Ohio. Filed Dec. 28, 1949.

Fawsco

For Metal Products—Namely, Awnings, Canopies, Shutters, Window Visors, and Decorative Railings.
Claims use since Nov. 15, 1949.

Ser. No. 590,231. The Mid-West Acoustical & Supply Co., Cleveland, Ohio. Filed Dec. 31, 1949.

ALUMI-LOCK

The word "Lock" and the representation of the goods are disclaimed.
For Aluminum Suspension System for Acoustical Tiles.
Claims use since Dec. 16, 1949.

Ser. No. 591,294. Gregg Lumber Company, Grand Rapids, Mich. Filed Jan. 23, 1950.

GREGGCO

For Plaster Aggregate.
Claims use since Nov. 4, 1949.

Ser. No. 591,744. Mastic Asphalt Corporation, South Bend, Ind. Filed Jan. 31, 1950.

INSELUM

Applicant claims ownership of Registrations Nos. 395,228, 339,546, and 295,711.
For Metal Sheathed Rigid Exterior Insulating Building Siding Panels.
Claims use since Jan. 11, 1950.

Ser. No. 597,549. Skånska Cementaktiebolaget, Malmo, Sweden. Filed May 16, 1950.

BLUE RAND

Applicant claims ownership of Swedish Registration No. 66,749, dated July 1, 1949, filed Mar. 12, 1949.
For Portland Cement.

Ser. No. 601,269. John A. Mercier Brick Co., Dearborn, Mich. Filed July 26, 1950.

"MERCRETE"

For Slag Block and Slag Brick.
Claims use since June 1949.

Ser. No. 601,999. Plantation Wood (Lancing) Limited, Lancing, England. Filed Aug. 9, 1950.

SOLARBO

Applicant claims ownership of British Registration No. 675,957, dated Jan. 7, 1949.
For Lumber Per Se—Namely, Wood Dimension Stock; Timber, Dressed and Partly Dressed, and Sawed Timber.

Ser. No. 611,999. The Borden Company, New York, N. Y. Filed Mar. 30, 1951.

RESILITH

For Cement Filler.
Claims use since Sept. 3, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 547,581. Tyson Metal Products, Pittsburgh, Pa. Filed Jan. 20, 1948.

TY-BRO

For Bar and Restaurant Equipment—Namely, Faucets, Pipes, and Tanks for Beer Coolers and Metal Sinks With or Without Integral Workboards.
Claims use since August 1946.

Ser. No. 608,847. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Filed Jan. 17, 1951.

AA

Applicant claims ownership of Registration No. 295,556.
For Automatic Sprinkler Systems for Fire Protection, and Parts Thereof—Namely, Adapters, Alarm Valves, Automatic Releases, Air Tubings, Ball Drips, Ceiling Plates, Fire Extinguishing Sprinklers, Check Valves, Compression Couplings, Compression Fittings, Conduit Fittings, Compensating Vents, Dry Pipe Valves, Drum Drips, Deluge Valves, Drip Cups, Automatic Air-Releasing Valves, Expansion Joints, Fuse Links, Floor Plates, Floor Sleeves, Hydraulic Valves, Hose Housings, Hose Valves, Hydrants, Manual Pulls, Mercury Air Checks, Outside Alarm Covers, Pipe Hangers, Pipe Hanger Inserts, Pipe Supports, Metal Pipe Fittings, Post Indicator Valves, Retarding Chambers, Roller Fittings, Sight Drains, Steamer Connections, Steamer Connection Caps, Valves, Metal Direction Plates, Valve Housings, Valve Dummies, and Wall Plates.
Claims use since 1914.

Ser. No. 608,855. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Filed Jan. 17, 1951.

SUPROTEX

Applicant claims ownership of Registration No. 297,358.
For Automatic Sprinkler Systems for Fire Protection, and Parts Thereof—Namely, Adapters, Alarm Valves, Automatic Releases, Air Tubing, Ball Drips, Ceiling Plates, Fire Extinguishing Sprinklers, Check Valves, Compression Couplings, Compression Fittings, Compensating Vents, Drum Drips, Deluge Valves, Automatic Air Releasing Valves, Expansion Joints, Fuse Links, Floor Plates, Floor Sleeves, Hydraulic Valves, Hose Valves, Manual Pulls, Mercury Air Checks, Outside Alarm Covers, Pipe Hangers, Pipe Hanger Inserts, Pipe, Pipe Supports, Metal Pipe Fittings, Post Indicator Valves, Roller Fittings, Sight Drains, Steamer Connections, Steamer Connection Caps, Metal Direction Plates, Wall Plates, and Air Supply Respirators for Sprinkler Pipe Systems.
Claims use since Oct. 27, 1931.

Ser. No. 611,671. West Disinfecting Company, Long Island City, N. Y. Filed Mar. 22, 1951.

WEST Disinfecting Company

The words "Disinfecting Company" are disclaimed. Applicant claims ownership of Registrations Nos. 517,852 and 524,371.
For Automatic Deodorizers—Namely, Drip Dispensers for Urinals and Toilets; Liquid Soap Containers Made of Glass and Metal; Liquid Soap Shakers Made of Metal and Glass; Powdered Soap Dispensers Made of Metal; Liquid Soap Dispensing Systems Consisting of Soap Tank, Piping, and Valves; Metal Liquid Soap Tanks; Metal Dispenser Container for Cake Crystal Deodorizer for Use in Toilets and Urinals; Soap Dispensers; and Soap Lather Dispensers, Said Goods Designed To Be Affixed to the Wall.
Claims use since Dec. 1, 1950.

Ser. No. 615,962. Washington Steel Products, Inc., Tacoma, Wash. Filed June 30, 1951.

SPOTLITE

For Cabinet Hardware—Namely, Door Knobs and Drawer Knobs.
Claims use since November 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 598,021. Morris P. Kirk & Son, Inc., Los Angeles, Calif. Filed May 24, 1950. (Sec. 2f.)

KIRK

Applicant claims ownership of Registrations Nos. 269,760 and 269,767.

For Tin, Zinc, Lead, and Lead-Antimony Alloys in the Form of Pigs, Ingots, or Bars; Type Metal in the Form of Pigs, Ingots, and Bars; Babbitt Metal in the Form of Ingots or Bars; and Solder in the Form of Ingots, Bars, Rods, and Wire.

Claims use since Sept. 30, 1928.

Ser. No. 600,133. Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Filed July 1, 1950. (Sec. 2f.)

HUDSON BAY

For Base Metals, Including Zinc and Cadmium.

Claims use since Nov. 24, 1930, in Canada; and in commerce between Canada and the United States since Oct. 14, 1939.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 500,694. Preservative Paint Co., Seattle, Wash. Original filed, act of 1905, Apr. 22, 1946; amended to application under act of 1946, Principal Register, Sept. 8, 1947.



The word "West" is disclaimed. The drawing is lined for blue and yellow. Applicant claims ownership of Registration No. 125,836.

For Ready-Mixed Paints, Asphalt Base Paints, Paint Primers and Undercoaters; Oil Base Paste Paints, for Interior and Exterior Use; Rubber Base Paints All for Household and Industrial and Marine Uses; Varnishes of the Exterior Spar, Interior Floor and Trim, Four-Hour, and Synthetic Resin Types; Synthetic Resin Paints; Ester, Cellulose and Nitro Cellulose Lacquers; Thinners of Natural and Synthetic Sources for Use in Paint, Varnish, Enamel, and Lacquer; Painting Enamels for Household, Marine, and Industrial Use, of Natural and Synthetic Origin; Turpentine for Use as a Thinner for Paint, Varnish, Enamel, and Lacquer; Drying Oils—Namely, Linseed Oil, China Wood Oil, and Related Vegetable Oils for Use in Paint, Varnish, Enamel, and Lacquer; and Shellac of Natural and Synthetic Sources.

Claims use since Sept. 1, 1945.

Ser. No. 540,883. Republic Paint & Varnish Co., Chicago, Ill. Filed Nov. 12, 1947.

REP-KOTE

The term "Kote" is disclaimed.

For Ready Mixed Paint Enamel.

Claims use since Dec. 4, 1926.

Ser. No. 540,892. Republic Paint & Varnish Co., Chicago, Ill. Filed Nov. 12, 1947. (Sec. 2f.)

GRANGE

For Red Barn Paint.

Claims use since 1936.

Ser. No. 544,279. Pittsburgh Plate Glass Company, Pittsburgh, Pa. Filed Dec. 13, 1947.

RAYBAKE PLASTOX H.R

For Liquid Enamels for Drying and/or Baking on Metal Products.

Claims use since Dec. 7, 1940.

Ser. No. 558,586. The Paraffine Companies, Inc., San Francisco, Calif., now by change of name Pabco Products Inc., a corporation of Delaware. Filed June 5, 1948.

SALVIZE

The drawing is lined for shading only.

For Cement Base Paint for Metal, Stucco, and Concrete.

Claims use since June 1942.

Ser. No. 559,462. Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Filed May 13, 1948. (Sec. 2f.)

opal-tone

Applicant claims ownership of Registration No. 400,578.

For Decorative Paint.

Claims use since February 1936.

Ser. No. 574,908. Higley Chemical Company, Dubuque, Iowa. Filed Mar. 4, 1949.

Vitro-Seal

The word "Seal" is disclaimed. Applicant claims ownership of Registration No. 316,638.

For Oil-Base Varnishes for Priming and Finishing Wood Floors.

Claims use since June 23, 1931.

Ser. No. 575,995. Le Ripolin (Societe Anonyme Francaise de Peintures Laquees et d'Enduits Sous-Marins,—Procedes Lefranc & Briegleb Reunis), Paris, France. Filed Mar. 24, 1949.

RIEPS

Applicant claims ownership of French Registration No. 308,292, dated Apr. 29, 1936.

For Submarine Anti-Fouling Paints for Ships.

Ser. No. 582,152. Fred A. Twomey, doing business as Silkalite Products, Jacksonville, Fla. Filed July 18, 1949.

Silkalite

For Liquid Transparent Resinous Plastic Solution Used as a Sealing and Protective Coating for Wood, Linoleum, Leather, and Similar Surfaces.

Claims use since Apr. 15, 1940.

Ser. No. 586,705. Osmose Wood Preserving Co. of America, Inc., Buffalo, N. Y. Filed Oct. 22, 1949.

PENTOX

For Ready-Mixed Wood Preserving Paint in Liquid Form Containing Pentachlorophenol for Inhibiting the Action of Insects, Fungi, and Bacteria Which Tend To Attack Wood, the Paint Being in Clear and Colored Form and Designed for Application Whether as a Finished Coat or an Undercoat on Wood Which May Be Exposed to the Attack of Wood Destroying Insects, Fungi, or Bacteria.

Claims use since Oct. 10, 1949.

Ser. No. 590,119. The Wilbur & Williams Company, Boston, Mass. Filed Dec. 29, 1949. (Sec. 2f.)

WILBUR & WILLIAMS

For Ready-Mixed Paints.

Claims use since January 1938.

Ser. No. 599,545. Acritex, Inc., New York, N. Y. Filed June 22, 1950.

ACRITEX

For Varnishes.

Claims use since Jan. 1, 1950.

Ser. No. 602,645. The Sealube Company, Reading, Mass. Filed Aug. 23, 1950.

METASEAL

For Paint for Metal Surfaces.

Claims use since Jan. 1, 1948.

Ser. No. 603,044. M. A. Bruder & Sons, Incorporated, Philadelphia, Pa. Filed Sept. 1, 1950.



Nu-Lastic

The word "Nu" is disclaimed. The drawing is lined for red. The cross-hatching, circles, and outlines of the letters "MAB" are in white. Applicant claims ownership of Registration No. 379,725.

For Industrial Paint Finish.

Claims use since Aug. 4, 1950.

Ser. No. 603,561. Thompson-Long Company, Chicago, Ill. Filed Sept. 14, 1950.

R-10-X

For Paint Primer for Rusted Surfaces.

Claims use since Nov. 5, 1949.

Ser. No. 608,524. United States Gypsum Company, Chicago, Ill. Filed Jan. 8, 1951.

SHEETROCK

Applicant claims ownership of Registrations Nos. 153,038 and 160,705.

For Sealer Sizing and Finisher.

Claims use since January 1948.

Ser. No. 610,530. Warren Paint & Color Company, Nashville, Tenn. Filed Feb. 26, 1951.

WP

For Ready-Mixed Exterior and Interior Paints, Protective and Decorative Cement and Stucco Paints, and Paints for Use on Floors and Plastered Walls, Varnishes and Paint Enamels.

Claims use since Sept. 7, 1909.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 544,033. H. Anton Bock Co. Inc., New York, N. Y. Filed Dec. 11, 1947.

H. ANTON BOCK & CO.

The name "H. Anton Bock" shown on the drawing is the name of a living individual, consent given.

For Cigars.

Claims use since 1900.

Ser. No. 573,740. Rock City Tobacco Company (1936) Limited, Quebec, Quebec, Canada. Filed Feb. 11, 1949.



Applicant claims ownership of Canadian Registration No. N. S. 29,743, dated Mar. 23, 1948.

For Cigars, Cigarettes, Smoking Tobacco, and Chewing Tobacco.

Ser. No. 604,449. Rum and Maple Tobacco Corporation, New York, N. Y. Filed Oct. 4, 1950. (Sec. 2f.)

RUM and MAPLE

Applicant claims ownership of Registration No. 365,749.

For Pipe Tobacco and Cigarettes.

Claims use since Oct. 1, 1937.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 599,684. Alms Chocolated Pharmaceuticals, Inc., Brooklyn, N. Y. Filed June 24, 1950.

COZOLTABS

For Chocolated Sulfathiazole in Tablet Form.
Claims use since June 5, 1950.

Ser. No. 602,053. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Aug. 10, 1950.

ERGO-ZIN

The drawing is lined for red.
For Medical Preparation—Namely, a Specialized Dressing Ointment Used in the Treatment of Furunculosis.
Claims use since Sept. 17, 1934.

Ser. No. 612,362. The Superior Pharmacal Co., Dayton, Ohio. Filed Apr. 6, 1951.

SUPRA-GESIC

For Analgesic Preparation for the Relief of Pain.
Claims use since Mar. 4, 1949.

Ser. No. 612,364. The Upjohn Company, Kalamazoo, Mich. Filed Apr. 6, 1951.

Fugillin

For Antibiotic for the Treatment of Infectious Diseases.
Claims use since Jan. 31, 1951.

Ser. No. 612,481. Astra Pharmaceutical Products, Inc., Worcester, Mass. Filed Apr. 11, 1951.

XUMBRADIL

For Pharmaceutical Preparations, Primarily Intended for Internal Use To Facilitate the Taking of X-Ray Pictures of Internal Organs.
Claims use since Mar. 8, 1951.

CLASS 19

VEHICLES

Ser. No. 545,065. Wolseley Motors, Limited, Oxford and Cowley, Oxford, England. Filed Sept. 19, 1950.

WOLSELEY

Applicant claims ownership of British Registrations Nos. 403,119 and 403,120, dated Apr. 20, 1920.
For Automobiles.

Ser. No. 581,971. C. E. Niehoff & Co., Chicago, Ill. Filed July 14, 1949. (Sec. 2f.)

NIEHOFF

For Automotive Brake Cylinder Kits—Namely, Master Cylinder Kits Comprised in the Main of Cups, Pistons, Valves, Valve Seats, Boots, Stop Wires, and Head Gaskets, and Wheel Cylinder Kits Comprised in the Main of Cups and Boots; Said Kits Being Sold as a Unit.
Claims use since 1922.

Ser. No. 602,706. National Autocraft Manufacturing Co., Orlando, Fla. Filed Aug. 24, 1950.

AUTOCRAFT

For Ornamental Trim, Replacement Ornamental Crank Knobs, Windshield Wiper Control Knobs, Armrest Covers, and Doorsill Moulding Covers, All for Automotive Vehicles.
Claims use since Sept. 12, 1949.

Ser. No. 606,660. Hercules Cycle and Motor Company Limited, Aston, Birmingham, England. Filed Nov. 20, 1950.

RENOWN

For Bicycle and Component Parts Thereof.
Claims use since August 1950; and in commerce between foreign nations and the United States since August 1950.

Ser. No. 607,425. Fruehauf Trailer Company, Detroit, Mich. Filed Dec. 8, 1950. (Sec. 2f.)

FRUEHAUF

Applicant claims ownership of Registrations Nos. 184,064 and 355,686.
For General Cargo Van Trailers, Live Stock Trailers, Refrigerated Trailers, Platform Trailers, Passenger Carrying Trailers, Dump Body Trailers, Heavy Machinery Trailers, Logging Trailers, Tank Trailers for Bulk Liquid, Hopper Trailers for Bulk Materials, Open Truck Bodies, Van-Type Truck Bodies, Dump Truck Bodies, Truck Tanks for Bulk Liquids.
Claims use since 1916.

Ser. No. 611,468. Arnold, Schwinn & Co., Chicago, Ill. Filed Mar. 17, 1951.

Jet

Applicant claims ownership of Registration No. 543,983.
For Bicycles.
Claims use since Feb. 6, 1951.

Ser. No. 613,965. Belknap Hardware and Manufacturing Company, Louisville, Ky. Filed May 17, 1951.

BLUE RIBBON

For Wheelbarrows.
Claims use since June 1, 1910.

Ser. No. 614,095. North American Aviation, Inc., Los Angeles, Calif. Filed May 19, 1951.

Savage

For Aircraft Designated as Attack Bomber.
Claims use since Apr. 27, 1951.

Ser. No. 614,175. Texas Engineering and Manufacturing Company, Inc., Grand Prairie, Tex. Filed May 21, 1951.

TEMCO

The outline of the map of Texas and the words "Texas Engineering & Manufacturing Co., Inc., Dallas, Tex." are disclaimed.
For Airplanes and the Structural or Body Parts of Airplanes.
Claims use since Nov. 15, 1949.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 565,991. Interchemical Corporation, New York, N. Y. Filed Apr. 14, 1948.

SANATILE

Applicant claims ownership of Registration No. 70,610.
For Cloth, Coated, Impregnated, Processed, or Treated With Oil or Oils, Paint Pigments, Varnish, or the Like, or Combinations Thereof Having Pliable and Impermeable Qualities and Adapted for Use as a Decorative and Utility Material for Wall Coverings and Any Other Suitable Purpose, Either as a Finished Product or as a Foundation Upon Which Decorative Effects May Be Applied, as by Printing, Stenciling, Embossing, or the Like.
Claims use since 1906.

Ser. No. 610,818. Bird & Son, Inc., East Walpole, Mass. Filed Mar. 5, 1951.

MIRALIN

For Felt Base Ornamental Surfaced Wall-Covering, Floor Covering, and Counter Topping.
Claims use since Dec. 14, 1950.

Ser. No. 612,068. The B. F. Goodrich Company, New York, N. Y., and Akron, Ohio. Filed Mar. 31, 1951.

Amaflex

Applicant claims ownership of Registration No. 384,575.
For Flexible Floor Covering Made of Plastic Material.
Claims use since March 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 553,843. General Controls Co., Glendale, Calif. Filed Apr. 5, 1948.

GM&C

For Transformers; Relays; Valves Operated by an Electric Motor or Electromagnet, for Controlling the Flow of Gas or Liquid Fuel, or the Flow of Lubricant, or Flow of Liquid in Hydraulic Systems; Electric Igniting Apparatus for Pilot Gas Burners, Main Gas Burners, and Oil Burners; and Electrical Control Switches Operated by Pressure Derived From the Pressure of Gas Fuel.
Claims use since June 1931.

Ser. No. 568,820. Whiting Corporation, Harvey, Ill. Filed Nov. 15, 1948. (Sec. 2f.)

TRAMBEAM

For Electrically Driven Hoists and Traveling Cranes and Parts Thereof.
Claims use since Dec. 1, 1941.

Ser. No. 571,968. I-T-E Circuit Breaker Company, Philadelphia, Pa. Filed Jan. 11, 1949.

I-T-E

Applicant claims ownership of Registrations Nos. 45,462 and 272,968.
For Circuit Breakers, Switchgear, Relays, Bus Runs, Current Transformers, Potential Transformers, Resistors, and Rectifiers.
Claims use since June 1, 1941.

Ser. No. 572,348. Roy C. Stove & Company, Chicago, Ill. Filed Jan. 15, 1949.

AIR-TRON

The word "Air" is disclaimed.
For Ultra Violet Light Fixture for Destroying Bacteria, and for Deodorizing Air.
Claims use since July 15, 1947.

Ser. No. 572,349. Roy C. Stove & Company, Chicago, Ill. Filed Jan. 15, 1949.

AIR-TRON NAMED THE DAWN AS BEST AIR

The words "Air" and "Fresh as the Dawn" are disclaimed.
For Ultra Violet Light Fixture for Destroying Bacteria, and for Deodorizing Air.
Claims use since July 15, 1947.

Ser. No. 576,769. Precise Products Company, Racine, Wis. Filed Apr. 7, 1949. (Sec. 2f.)

Precise

For Voltage Adapters Comprising Variable Voltage Transformers, Fuse Plugs, and High Speed Electrically Powered Grinder-Millers Adapted To Be Hand Operated or Mounted for Machine Operation.
Claims use since July 5, 1941.

Ser. No. 580,703. Video Corporation of America, Wilmington, Del., and New York, N. Y. Filed June 17, 1949.

Videolux

For Electronic Devices—Namely, Television Receiving Sets.
Claims use since June 3, 1949.

Ser. No. 580,866. American Electric Products Corp., New York, N. Y. Filed June 22, 1949.

AEPCO Atomic Flash SHIELDED SPARK PLUGS

The words "Shielded" and "Spark Plugs" are disclaimed.
For Spark Plugs.
Claims use since May 11, 1949.

Ser. No. 585,650. Kuhlman Electric Co., Bay City, Mich. Filed Oct. 1, 1949.

K E

For Transformers.
Claims use since May 21, 1949.

Ser. No. 596,434. The Ohio Crankshaft Company, Cleveland, Ohio. Filed Apr. 27, 1950.

INDUCTIONEERED

For Electrical Induction Metal Heating and Heat-Treating Apparatus and Machines and Parts Thereof.
Claims use since September 1946.

Ser. No. 599,889. P. R. Mallory & Co., Inc., Indianapolis, Ind. Filed June 28, 1950.

For Dry Cell Electrical Batteries.
Claims use since Apr. 20, 1950.

Ser. No. 601,697. Swivelier Company, Inc., New York, N. Y. Filed Aug. 3, 1950.



The words "Stays Put at Any Angle" and the representation of the goods are disclaimed.
For Electrical Lighting Units and Parts Thereof.
Claims use since Oct. 1, 1942.

Ser. No. 603,489. John McMillan, Elko, Nev. Filed Sept. 13, 1950.

MIRACLE TRIM

The word "Trim" is disclaimed.
For Hand Supported Electric Device for Cutting Grass, Weeds, Shrubs, Flowers, and Foliage.
Claims use since Mar. 20, 1949.

Ser. No. 605,430. The Lee Products Co., Inc., Cleveland, Ohio. Filed Oct. 25, 1950.



The lining and hatching on the drawing is an integral part of the mark and does not represent any specific color.
For Accessories for Electric Vacuum Cleaners, Specifically, Sudsmakers, Germicidal Solution Evaporators, and Aerators.
Claims use since July 10, 1950.

Ser. No. 605,702. Canadian Benaudi Company Limited, Ottawa, Ontario, Canada, assignor to Erich Hausdorf, Ottawa, Ontario, Canada. Filed Oct. 30, 1950.

Benaudi

Applicant claims ownership of Canadian Registration No. N. S. 131—33,639, dated June 27, 1949.
For Telephonic and Telegraphic Apparatus and Parts Thereof, Electronic Sound Recording and Reproducing Apparatus, Microphones and Electronic Sound Amplifiers.

Ser. No. 606,742. The Ambory Corporation, Hazel Park, Mich. Filed Nov. 22, 1950.

JIFFY

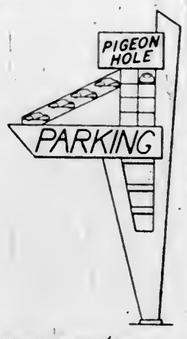
Applicant claims ownership of Registration No. 242,898.
For Electrical Immersion Water Heaters.
Claims use since June 1, 1927.

Ser. No. 606,900. Ruskin Manufacturing Company, Los Angeles, Calif. Filed Nov. 24, 1950.

JUVELITE

For Electric Lamps.
Claims use since Aug. 1, 1950.

Ser. No. 613,605. Pigeon Hole Parking, Inc., Spokane, Wash. Filed May 7, 1951.



The word "Parking" is disclaimed.
For Electrically Operated Traveling Automobile Elevators.
Claims use since Oct. 14, 1948.

Ser. No. 613,649. National Pressure Cooker Company, Eau Claire, Wis. Filed May 8, 1951.

Presto

For Electrically Heated Deep-Fat Fryer.
Claims use since Nov. 8, 1950.

Ser. No. 613,791. Sprague Electric Company, North Adams, Mass. Filed May 11, 1951.

PRINTOHM

For Electrical Resistors.
Claims use since Apr. 28, 1951.

Ser. No. 614,003. Michaels & Co., Inc., Brooklyn, N. Y. Filed May 17, 1951.

Diamond Tone

The word "Tone" is disclaimed.
For Combination Television-Radio-Phonograph Sets and Parts Thereof.
Claims use since Apr. 19, 1951.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 498,543. Precision Specialties, Inc., Los Angeles, Calif., assignee of Precision Specialties. Original filed, act of 1905, Mar. 19, 1946; amended to application under act of 1946, Principal Register, Apr. 12, 1948. (Sec. 2f.)

Revell

For Drawing Games and Toy Telephones.
Claims use since October 1945.

Ser. No. 604,633. David Guss & Company, Philadelphia, Pa. Filed Oct. 9, 1950.

TEXAS TOM

For Holster and Gun Set as a Toy Item.
Claims use since May 2, 1950.

Ser. No. 618,896. Nocona Leather Goods Company, Nocona, Tex. Filed Sept. 17, 1951.

Ristanbor

For Baseball Gloves.
Claims use since Aug. 15, 1951.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 554,107. General Motors Corporation, Detroit, Mich. Filed Apr. 8, 1948.

DYNAFLOW

For Complete Power Transmission Units for Motor Vehicles and Parts Thereof—Namely, Transmission Housings, Shafts, Universal Joints, Gears, Gear Shift Couplings, and Hand Operated Gear Shift Selector Levers.
Claims use since Dec. 27, 1947.

Ser. No. 565,530. American Machine and Foundry Company, New York, N. Y. Filed Sept. 21, 1948. (Sec. 2f.)

STANDARD

For Tobacco Processing Machinery—Namely, Tobacco Stemming Machines, Cigarette Making Machines, Tobacco Feeds, as Well as Bread Wrapping Machines, Cigarette Packers, Slip Stitching and Over and Under Stitching Machines, and Parts for Such Machines.
Claims use since 1904.

Ser. No. 566,842. The Johnson Corporation, Three Rivers, Mich. Filed Oct. 7, 1948.

SPEEDHEET

For Syphon Unit for Removing Condensate From Steam Heated Rotating Cylinders Such as Cotton Slashers and the Like.
Claims use since October 1947.

Ser. No. 576,943. Whiting Corporation, Harvey, Ill. Filed Apr. 11, 1949. (Sec. 2f.)

GRAY-JENSEN

For Spray Dryers and Parts Thereof.
Claims use since Jan. 2, 1912.

Ser. No. 578,701. The National Machinery Company, Tiffin, Ohio. Filed May 12, 1949. (Sec. 2f.)

MANVILLE

For Metal Working Machines, Sometimes Called Headers, Cold Headers, Reheaders, Ball Headers, Bullet Slug Machines, Bolt Head Trimmers, Thread Rollers, Screw Slotters, and Cold Press Nut Machines.
Claims use since Dec. 31, 1886.

Ser. No. 587,712. Chicago Pump Company, Chicago, Ill. Filed Nov. 14, 1949. (Sec. 2f.)

COMMINUTOR

For Machine Intended To Be Interposed in and Across a Sewage Stream and Adapted To Intercept and Screen Solids Carried by the Stream and Permit the Sewage Liquor and the Unscreened Small Solids To Pass Therethrough, and To Triturate the Screened Solids Until the Same Are Reduced to a Size To Be Carried Through the Screen of the Machine by the Sewage Stream.
Claims use since Jan. 11, 1933.

Ser. No. 591,337. Lively Lad Manufacturing Company, Inc., Clarksville, Tenn. Filed Jan. 20, 1950.

Lively Lad

Applicant claims ownership of Registration No. 274,555.
For Hand Tools for Cutting Weeds, Grass, and Bushes, Hoes and Tobacco Knives.
Claims use since Jan. 1, 1929.

Ser. No. 593,051. The Bastian-Blessing Company, Chicago, Ill. Filed Feb. 25, 1950.

TWIN SERV

Applicant claims ownership of Registration No. 529,912.
For Soda Fountains, Beverage Dispensing Machines, and Machines for Carbonating Beverages, and Parts Thereof.
Claims use since Mar. 21, 1949.

Ser. No. 595,472. The T. L. Smith Company, Milwaukee, Wis. Filed Apr. 8, 1950.

LOAD LIMIT

For Concrete Truck Mixers, Carriers and Agitators.
Claims use since Mar. 16, 1950.

Ser. No. 595,841. Koochook Co., Inc., St. Louis, Mo. Filed Apr. 17, 1950.



For Automotive Equipment—Namely, Reconditioned Fuel Pumps, Carburetors, Crankshafts, Cylinder Heads, and Combustion Engines.
Claims use since Jan. 2, 1950.

Ser. No. 597,998. William J. Blake, Sandy, Oreg. Filed May 24, 1950.

BLUE OX

The stippling shown in the drawing indicates the depth or shading and forms no essential part of the mark.
For Bulldozers and Scarifiers.
Claims use since Feb. 10, 1948.

Ser. No. 598,718. Ekco Products Company, Chicago, Ill. Filed June 7, 1950. (Sec. 2f.)

GENEVA FORGE

Applicant claims ownership of Registration No. 327,510.
For Culinary Tools—Namely, Peeling and Paring Knives, Butcher Knives, Slicing Knives and Carving Knives.
Claims use since Dec. 1, 1934.

Ser. No. 600,640. Abington Textile Machinery Works, North Abington, Mass. Filed July 14, 1950. (Sec. 2f.)

ABINGTON

For Machines Used in Textile Manufacture—Namely, Waste Receivers, Centrifugal Vacuum Pumps and Blowers, Dyeing Machines, Hand Knotters, Stripping Mechanism for Carding Machines, and Parts of the Foregoing.
Claims use since 1932.

Ser. No. 604,307. Ralph L. Kooiker, doing business as The Kooiker Manufacturing Company, Hull, Iowa. Filed Oct. 2, 1950.

KOOIKER ELEVATOR

The drawing is lined for red. The word "Elevator" is disclaimed.
For Portable Grain Elevators.
Claims use since June 5, 1946.

Ser. No. 606,434. Norma-Hoffmann Bearings Corporation, Stamford, Conn. Filed Nov. 15, 1950.

PLASTISEAL

For Anti-Friction Bearings and Their Parts, as Inner and Outer Rings, and Balls or Rollers, or Needles.
Claims use since Oct. 17, 1950.

Ser. No. 606,981. Restaurant Products, Springfield, Ill. Filed Nov. 27, 1950.

SPREDMASTER

For Butter Spreader Fabricated From Metal and Comprising a Receptacle and a Buttering Roller Journaled Therein.
Claims use since Sept. 15, 1950.

Ser. No. 609,764. S. H. Kress and Company, New York, N. Y. Filed Dec. 15, 1950.

GLENDALE

Applicant claims ownership of Registrations Nos. 383,680, 282,957, and others.
For Teaspoons, Tablespoons, Dessert Spoons, Soup Spoons, Sugar Spoons, Iced-Tea Spoons, Baby Spoons, After-Dinner Coffee Spoons, Berry Spoons, Butter Spreaders, Butter Knives, Dinner Knives, Dinner Knives (Stainless), Children's Knives, Children's Forks, Salad Forks, Oyster Forks, Dinner Forks, Dessert Forks, Cold-Meat Forks, Gravy Ladles, and Pastry Servers, All of Semi-Precious Metals.
Claims use since Nov. 1, 1929.

Ser. No. 612,464. Glenn C. Mitchell, Sr., doing business under the names of Bulk Razor Blade Co.; The Barber Blade Co., and Barber Razor Blade Co., Aurora, Ill. Filed Apr. 10, 1951. (Sec. 2f.)

THE BARBER BLADE

The word "Blade" is disclaimed. Applicant claims ownership of Registration No. 297,787.
For Razor Blades.
Claims use since 1930.

Ser. No. 612,937. N. J. Tacony, trading and doing business under the name of Sincere Sewing Machine Co., St. Louis, Mo. Filed Apr. 20, 1951.

SINCERE

For Sewing Machines.
Claims use since Jan. 1, 1951.

Ser. No. 614,308. McGill Manufacturing Co., Inc., Valparaiso, Ind. Filed May 24, 1951.

GUIDEROL

For Anti-Friction Bearings.
Claims use since Mar. 17, 1950.

CLASS 25

LOCKS AND SAFES

Ser. No. 564,128. Independent Lock Company, Fitchburg, Mass. Filed Aug. 25, 1948.

ILCO

The drawing is lined for shading. The representation of a key is disclaimed. Applicant claims ownership of Registrations Nos. 159,382, 501,244, and 539,882.
For Lock-Smith's Supplies—Namely, Locking Devices, Examples of Which Are Desk, Drawer, Wardrobe, Locker, and File Locks, Coin Controlled Vending Machine Locks and Key Plugs and Cylinders for the Same.
Claims use since 1939.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 571,385. Ferris Instrument Company, Boonton, N. J. Filed Nov. 6, 1948. (Sec. 2f.)

MICROVOLTER

For Electrical Signal Generators, and Parts Thereof.
Claims use since December 1931.

Ser. No. 575,799. Ambassador Christian Educational Film Association, Chicago, Ill. Original filed, act of 1946, Supplemental Register, Jan. 14, 1949; amended to application, Principal Register, May 3, 1951.



The word "Films" is disclaimed.
For Christian Educational Sound Motion Pictures Produced by the Association.
Claims use since Sept. 1, 1947.

Ser. No. 578,983. Marioness & Co., Inc., New York, N. Y. Filed May 17, 1949.

Marioness

Applicant claims ownership of Registration No. 361,608.
For Eyeglass Cases Sold Empty, of Leather, Fabric, and Plastic Materials.
Claims use since Apr. 1, 1940.

Ser. No. 583,015. Aircraft Electronics Associates, Incorporated, Hartford, Conn. Filed Aug. 5, 1949.

SONOPROBE

The word "SonoProbe" is disclaimed.
For Electrical Apparatus for the Measurement and Diagnosis of Vibration and Noise.
Claims use since Nov. 15, 1948.

Ser. No. 586,155. Flood Safety Products Company, Chicago, Ill. Filed Oct. 12, 1949.

1000-HOUR

For Plastic Cover Lens for Welding Helmets.
Claims use since June 1949.

Ser. No. 595,983. Raytheon Manufacturing Company, Newton, Mass. Filed Apr. 19, 1950.

RAYTHEON

Applicant claims ownership of Registrations Nos. 208,886, 237,111, and others.

For Apparatus for Measuring Distances by Reflected Sound Waves or by Similar Acoustic Methods and Particularly for Apparatus Determining Depths of Water and Soundings.

Claims use since January 1950.

Ser. No. 602,388. Filotecnica Salmoiraghi Societa per Azioni, Milan, Italy. Filed Aug. 18, 1950.

LUX PUNTAX

Priority under Sec. 44(*d*). Italian Registration No. 97,702, filed June 28, 1950.

For Theodolites; Tachometers; Telescope Levels; Squares; Sextants; Pocket Sextants; Topographic, Geologic, and Mining Compasses; Precision Levels; Sclerometers; Microscopes; Dial Comparators; Frontal Focussing Meters; Spherometers; Optical Lenses and Prisms; Prismatic Monocles and Binocles; Opera Glasses, Feld Glasses; Photographic Objectives, Objectives for Projectors and Magnifiers; Optical Filters; Ocular Projectors and Spectacles.

Ser. No. 610,944. Aktiebolaget Atvidaberg-Facit, Atvidaberg, Sweden. Filed Mar. 7, 1951.

FACTA

Applicant claims ownership of Swedish Registration No. 59,320, dated Jan. 12, 1945.

For Adding and Listing Machines.

Ser. No. 613,747. Terrytoons, Inc., New Rochelle, N. Y. Filed May 10, 1951.

FARMER GRAY

For Series of Motion Picture Animated Cartoons.

Claims use since May 2, 1951.

Ser. No. 613,922. Walter Lantz Productions, Inc., Hollywood, Calif. Filed May 16, 1951.



For Series of Motion Picture Photoplays.

Claims use since Jan. 22, 1951.

Ser. No. 613,980. Ercona Camera Corporation, New York, N. Y. Filed May 17, 1951.

Meritar

For Photographic Lenses.

Claims use since June 1950.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 602,693. The Gruen Watch Company, Cincinnati, Ohio. Filed Aug. 24, 1950.

SERVICE AWARD

For Watches, Watch Cases, and Watch Movements.

Claims use since Aug. 15, 1950.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 601,095. Concord Manufacturing Corporation, Providence, R. I. Filed July 22, 1950.



For Jewelry for Personal Wear, Not Including Watches—Namely, Lockets, Religious Crosses, Pendants, Anklets, Neck Chains, and Jewelry Findings.

Claims use since May 1, 1950.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 593,594. Henderson Bros. & Company Limited, London, England. Filed Mar. 8, 1950.

Hygex

Applicant claims ownership of British Registration No. 441,258, dated Oct. 2, 1923.

For Hair Brushes, Shaving Brushes, Nail Brushes, Tooth Brushes, and Clothes Brushes.

Ser. No. 596,746. National Brush Company, Aurora, Ill. Filed May 2, 1950.

lint-chaser

The word "Lint" is disclaimed.

For Brushes Having Brass Wire Bristles Therein for Use as Cleaning Brushes, Automobile Brushes, Clothes Brushes, and General Utility Brushes.

Claims use since Aug. 8, 1949.

Ser. No. 612,506. Pycope Incorporated, Jersey City, N. J. Filed Apr. 11, 1951.

SOFTEX

For Tooth Brushes.

Claims use since Apr. 4, 1951.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 580,174. American Lava Corporation, Chattanooga, Tenn. Filed June 9, 1949.

ALZIRCON

The word "Zircon" is disclaimed.

For Fired Ceramic Shapes, Formed From Bodies Containing Zirconium by Extruding, Molding, Casting, Pressing, Cutting, or Machining, in Forms Such as Rods, Tubes, Blocks, and Sheets, Having Use in the Industrial Arts.

Claims use since May 9, 1949.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 600,827. Freezing Equipment Sales, Inc., York, Pa. Filed July 18, 1950.

FES

For Automatic Quick Freezing Machines for Food Products.

Claims use since Oct. 15, 1949.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 564,939. Goshen Manufacturing Company, Goshen, Ind. Filed Sept. 10, 1948. (Sec. 2f as to "Goshen.")



The words "Quality Furniture for Outdoors" and "Since 1891" are disclaimed.

For Outdoor Furniture—Namely, Chairs, Seats, Settees, Benches, Portable Lawn Swings and Gliders.

Claims use since Jan. 1, 1935, as to "Goshen"; and since Aug. 18, 1948, as to the mark shown.

Ser. No. 574,050. Puritan Furniture Mfrs., Melrose, Mass. Filed Feb. 17, 1949.



The word "Maple" is disclaimed. The representation of the figure is fanciful.

For Wood Beds, Dressers, Chests of Drawers, Kneehole Desks, Chestrobes, Wardrobes, Vanities, and Night Stands.

Claims use since February 1939.

Ser. No. 576,828. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Apr. 8, 1949.

DIAMAGIC

For Store Display Screens.

Claims use since Nov. 25, 1947.

Ser. No. 581,734. Rolscreen Company, Pella, Iowa. Filed July 9, 1949. (Sec. 2f.)

Pella

Applicant claims ownership of Registrations Nos. 359,920 and 414,703.

For Venetian Blinds.

Claims use since June 1, 1934.

Ser. No. 588,435. Grand Rapids Store Equipment Company, Grand Rapids, Mich. Filed Nov. 28, 1949.

Flexures by Grand Rapids STORE EQUIPMENT COMPANY

The words "By Grand Rapids Store Equipment Company" are disclaimed.

For System of Store Furniture Comprised of a Large Variety of Units Adapted To Be Selectively Assembled Into Many Arrangements and Re-Arrangements of Show Cases, Counters, Shelves, Racks, and Compartments for the Display and Stocking of a Wide Range of Merchandise for Sale, the Units Comprising: Display Cases, Cupboards, Shelving Units, Drawer Units, Open Top and Open Front Bins, Counters, Display Racks, Tray Units, and Inserts for Dividing Shelves and Bins Into Compartments, All Adapted To Be Used Individually or Combined Selectively in Vertical Stacks and Horizontal Rows for Either Wall or Center of the Floor Use.

Claims use since Aug. 24, 1949.

Ser. No. 593,347. Charles R. Hadley Company, Los Angeles, Calif. Filed Mar. 3, 1950.

pathfinders

For Posting Trays, Rolling Filing Cabinets, Rolling Pedestals for Supporting Posting Trays, Accounting Boards, Machine Bookkeeping Binders, and Similar Office Equipment.

Claims use since Jan. 1, 1944.

Ser. No. 594,383. Knoll Associates, Inc., New York, N. Y. Filed Mar. 22, 1950. (Sec. 2f.)

KNOLL

For Articles of Furniture—Namely, Tables, Desks, Seats, Chairs, Stools, Couches, Sofas, Beds, Chests, Cabinets, and Trays.

Claims use since Mar. 1, 1948, in the form shown; and since Feb. 26, 1947, in a different display.

Ser. No. 595,076. Knoll Associates, Inc., New York, N. Y. Filed Apr. 1, 1950. (Sec. 2f as to "Knoll.")

KNOLL INTERNATIONAL

For Articles of Furniture—Namely, Tables, Desks, Seats, Chairs, Stools, Couches, Sofas, Beds, Chests, Cabinets, and Trays.

Claims use since Nov. 23, 1949, as to the mark shown; and since Feb. 26, 1947, as to "Knoll International"

Ser. No. 597,491. Bath Maid, Inc., Andrews, Ind. Filed May 16, 1950.

BATH MAID

For Bathroom Cabinets Consisting of Under-Lavatory Storage Cabinets, Side Storage Cabinets, Vanity Tables, Open-Shelf Units, Vanity Seats, and Linen Storage Cabinets.

Claims use since Apr. 17, 1950.

Ser. No. 600,797. Sonny Claude Voges, doing business under the fictitious firm name of Plastic-View Transparent Shades, Los Angeles, Calif. Filed July 17, 1950.

PLASTIC - VIEW

The drawing is lined for the colors gray or silver, yellow, green, and orange. The word "Plastic" and the representation of the goods are disclaimed.

For Transparent Window Shades.

Claims use since Feb. 6, 1948.

Ser. No. 601,494. Federal Equipment Company, Washington, D. C. Filed July 31, 1950.

"Econo-form"

For Office Desks and Tables, and Structural Parts Thereof.

Claims use since July 5, 1950.

Ser. No. 604,710. Wood Products Manufacturing Co., Rocky Mount, N. C. Filed Oct. 10, 1950.

Cavalier Blinds

The word "Blinds" is disclaimed.

For Venetian Blinds.

Claims use since June 15, 1947.

Ser. No. 608,989. Grand Rapids Chair Company, Grand Rapids, Mich. Filed Jan. 19, 1951.

Cross Country

For Lounge Chairs, Lamp Tables, Cocktail Tables, Step Tables, Bridge Tables, Extension Tables, Hostess Tables, Drop Leaf Tables, Corner Tables, Buffets, China Cabinets, Typewriter Desks, Kneehole Desks, Tea Wagons, Bunk Beds, Night Stands, Headboard Beds, Day Beds, Swing Beds, Makeup Tables, Framed Mirrors, Chests, Dressers, Wardrobes, Vanity Benches, Settees, Sofas, and Ottomans.

Claims use since Jan. 9, 1950.

Ser. No. 609,064. Willson Products, Inc., Reading, Pa. Filed Jan. 20, 1951.

SAFE-T-SLIDE

The word "Slide" is disclaimed.

For Display Stands for Supporting Cases for Eyeglasses in a Pilfer-Proof Manner.

Claims use since Nov. 21, 1950.

Ser. No. 610,121. Douglas Furniture Corporation, Chicago, Ill. Filed Feb. 15, 1951.

DOUG-LOK

The term "Lok" is disclaimed.

For Chairs.

Claims use since Nov. 20, 1950.

Ser. No. 610,379. Samuel S. Schiffer, New York, N. Y. Filed Feb. 21, 1951.

ORDRO

For Racks for Books, Racks for Magazines, and Racks for Papers.

Claims use since Feb. 15, 1951.

Ser. No. 610,629. The Ohio Mattress Company, Cleveland, Ohio. Filed Feb. 28, 1951.

SAMSON-BUILT

The word "Built" is disclaimed.

For Mattress Side Walls Also Known as Borders.

Claims use since Dec. 20, 1950.

Ser. No. 611,246. Sleepmakers Incorporated, Chicago, Ill. Filed Mar. 13, 1951.

Ortho-Poise

For Mattresses and Bed Springs.

Claims use since Oct. 4, 1950.

Ser. No. 612,286. Erwin Van Allen, Peoria, Ill. Filed Apr. 5, 1951.

CHAMPION

For Lecture Stands.

Claims use since Feb. 1, 1951.

Ser. No. 612,850. Daystrom, Incorporated, Elizabeth, N. J. Filed Apr. 19, 1951.

COLORAMIC

For Plastic-Coated Tubular Furniture—Namely, Kitchen and Dinette Tables, Chairs, and Sets; Juvenile Size Tables, Chairs, and Sets; Club, Lounge, and Barrel Back Chairs; Sectional Lounge Settees; Rollaway Tables; and Bar, Kitchen, and Household Stools.

Claims use since June 19, 1950.

Ser. No. 613,401. Daystrom, Incorporated, Elizabeth, N. J. Filed May 2, 1951.

DAYSTROM

For Chromed Steel Tubular, Plastic, and Wooden, Furniture—Namely, Kitchen and Dinette Tables, Chairs, and Sets; Juvenile Size Tables, Chairs, and Sets; Club, Lounge, and Barrel Back Chairs; Sectional Lounge Settees; Rollaway Tables; and Bar, Kitchen, and Household Stools.

Claims use since June 1, 1938.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 541,853. The Maxim Silencer Company, Hartford, Conn. Filed Nov. 20, 1947. (Sec. 2f.)

MAXIM

Applicant claims ownership of Registration No. 207,740.

For Heat Recovery Silencers Which Incorporate Heat Exchanging Means for Extracting Heat From Steam or Hot Exhaust Gas, and Evaporators With or Without a Condenser and Heated by Steam or Hot Exhaust Gas.

Claims use since July 1, 1912.

Ser. No. 597,070. Dubuque Awning & Tent Company, Dubuque, Iowa. Filed May 8, 1950.

SPA-FLA

For Portable Heat Reflecting and Fire-Resistant Shields, Known Also as Screens and Guards and Composed Principally of Flexible Panels and Sheets of Fabric Treated With Fire-Resistant Materials and Also Composed of Composite Panels of Flexible Fabric and Metal Foil and Used as Welding Shields and as Heat Reflecting Shields.

Claims use since Feb. 1, 1950.

Ser. No. 598,537. Mimar Products, Inc., Brooklyn, N. Y. Filed June 3, 1950.

Aquaire

For Air Circulator Having Filtering and Humidifying Elements Sold as a Unit.

Claims use since Apr. 1, 1950.

Ser. No. 614,731. The Stockport Distributing Company (Mail Order) Limited, Stockport, England. Filed June 4, 1951.

ZAMBA

Applicant claims ownership of British Registration No. 684,648, dated Dec. 9, 1949.

For Greenhouse Heaters.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 586,009. Melodigrand Corp., New York, N. Y. Filed Oct. 8, 1949.

Studio Spinet

The word "Spinet" is disclaimed.

For Pianos.

Claims use since May 2, 1949.

Ser. No. 596,636. Harold E. Whittet, South St. Paul, Minn. Filed Apr. 29, 1950.

Cathedral-Tone

The word "Tone" is disclaimed.

For Grooved Phonograph Records.

Claims use since Mar. 20, 1950.

Ser. No. 602,578. Lawrence R. Trommer, Washington, D. C. Filed Aug. 22, 1950.

PAX

For Stringed Instrument in the Nature of a Violin.

Claims use since December 1948.

Ser. No. 604,356. Cathedral Recording Company, Glendale, Calif. Filed Oct. 3, 1950.

Cathedral

For Mechanically Grooved Phonograph Records.

Claims use since Apr. 24, 1950.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,161. Western Tablet & Stationery Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 29, 1948. (Sec. 2f.)

Yale

The drawing is lined for shading only.

For Paper Tablets and Loose Writing Paper for School or Office Use, Put Up in Wrapped Packages, Boxed, or Banded.

Claims use since 1925.

Ser. No. 527,525. Valley Paper Company, Holyoke, Mass. Filed July 5, 1947.

BRITANNIA

For Writing and Typewriter Paper.
Claims use since 1917.

Ser. No. 575,079. National Paper Corporation of Pennsylvania, Ransom, Pa. Filed Mar. 8, 1949.

COLO-SOFT

The word "Soft" is disclaimed.
For Toilet Tissue.
Claims use since Dec. 10, 1948.

Ser. No. 575,080. National Paper Corporation of Pennsylvania, Ransom, Pa., and New York, N. Y. Filed Mar. 8, 1949.

"HOMERIZED"

For Toilet Tissue, Paper Towels, Paper Napkins, Facial Tissues.
Claims use since Dec. 27, 1948.

Ser. No. 582,227. Wilson Jones Company, Chicago, Ill. Filed July 20, 1949.

Wyring

For Note Books, Composition Books, and Columnar Pads.
Claims use since July 11, 1949.

Ser. No. 591,985. Fraser Paper, Limited, Madawaska, Maine. Filed Feb. 4, 1950.

FRACOTE

For Coated Papers.
Claims use since Mar. 13, 1946.

Ser. No. 601,795. International Harvester Company, Chicago, Ill. Filed Aug. 5, 1950.

Irma Harding

The name "Irma Harding" is fictitious.
For Refrigeration Packaging Products—Namely, Wrapping Paper.
Claims use since Apr. 29, 1949.

Ser. No. 603,235. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed Sept. 7, 1950.

Royal Oak

For Wrapping Paper.
Claims use since October 1929.

Ser. No. 603,708. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed Sept. 18, 1950.



Applicant claims ownership of Registrations Nos. 71,108, 88,233, 438,120, 509,657, and 515,303.
For Paper Tablets; Account, Data, or Order Books; Loose Writing Paper for School or Office Use Put Up in Wrapped Packages, Boxes, or Banded; Papeteries, i. e., Stationery Comprising Envelopes and/or Paper Either Flat or Folded Put Up in Boxes, Portfolios, or Banded Packages; Correspondence and Mailing Envelopes; and Loose Leaf Binders.
Claims use since Feb. 20, 1906.

Ser. No. 604,213. Moore Business Forms, Inc., Niagara Falls and Elmira, N. Y., and Emeryville and Los Angeles, Calif. Filed Sept. 29, 1950. (Sec. 2f.)

Rediform

Applicant claims ownership of Registrations Nos. 268,962, 270,363, and others.
For Record Forms and Manifolding Assemblies of Record Forms of Paper or the Like, With or Without Interleaved Transfer Material—Viz., Record Sheets or Forms, Record Strips, Rolls of Record Strips, Letter Paper, Record Supply Pads of Record Strips or Sheets, Sales Books, Order Books, Receipt Books and Similar Blank Books, and Manifolding Sets of Record Sheets or Strips.
Claims use since April 1927.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 572,557. Nelson Doubleday, Inc., Garden City, N. Y. Filed Jan. 22, 1949. (Sec. 2f.)

THE BOOK LEAGUE OF AMERICA

The word "Book" is disclaimed.
For Books.
Claims use since December 1935.

Ser. No. 588,930. William F. Bealer, doing business as My Word Wheel Company, Belvidere, Ill. Filed Dec. 7, 1949.

MY WORD WHEEL

The word "Word" is disclaimed.
For Vocabulary Charts Used in Connection With Children's Readers.
Claims use since Aug. 19, 1949.

Ser. No. 596,470. American Camping Association, Inc., Chicago, Ill. Filed Apr. 28, 1950. (Sec. 2f.)

CAMPING
MAGAZINE

The word "Magazine" is disclaimed.
For Periodicals.
Claims use since 1932.

Ser. No. 600,501. Models Publishing Company, Inc., New York, N. Y. Filed July 11, 1950.

RAVE DISCOVERY

For Section in a Magazine.
Claims use since Jan. 11, 1950.

Ser. No. 602,210. National Publishing Company, Philadelphia, Pa. Filed Aug. 15, 1950. (Sec. 2f.)

THE NATIONAL BIBLE PRESS

The word "Bible" is disclaimed. Applicant claims ownership of Registration No. 390,948.
For Bibles.
Claims use since Feb. 1, 1920.

Ser. No. 603,247. Norcross, Inc., New York, N. Y. Filed Sept. 7, 1950.

Feathers on Parade

The word "Feathers" is disclaimed. Applicant claims ownership of Registration No. 539,683.
For Greeting Cards and Printed Greeting Folders.
Claims use since Aug. 4, 1950.

Ser. No. 603,367. William Melish Harris, New York, N. Y. Filed Sept. 9, 1950.

"PLASTIKOLOR-PIX"

For Pictorial Advertising Signs Composed of Plastic Material and Printed in Color or Black and White.
Claims use since Mar. 1, 1949.

Ser. No. 604,551. Scott, Foresman and Company, Chicago, Ill. Filed Oct. 6, 1950. (Sec. 2f.)

Before We Read

For Series of Children's Educational Books and Pamphlets.
Claims use since May 27, 1937.

Ser. No. 604,751. Talon, Inc., Meadville, Pa. Filed Oct. 11, 1950.

TALON

For Periodicals.
Claims use since October 1944.

Ser. No. 610,967. The Emil Greiner Company, New York, N. Y. Filed Mar. 7, 1951.



For Periodical Published From Time To Time.
Claims use since Jan. 22, 1951.

Ser. No. 611,697. The Hearst Corporation, New York, N. Y. Filed Mar. 23, 1951.

BEETLE BAILEY

The word "Bailey" is disclaimed.
For Series of Cartoons or Comic Strips.
Claims use since Aug. 31, 1950.

Ser. No. 611,698. The Hearst Corporation, New York, N. Y. Filed Mar. 23, 1951.

BIG BEN BOLT

The mark is fictitious.
For Series of Cartoons or Comic Strips.
Claims use since Nov. 20, 1950.

Ser. No. 612,892. The Borden Company, New York, N. Y. Filed Apr. 20, 1951.

Bordenland

For Monthly Publication.
Claims use since Jan. 19, 1951.

Ser. No. 613,331. I. C. Publishing Co., Inc., New York, N. Y. Filed Apr. 30, 1951.

TALES FROM THE CRYPT

The word "Tales" is disclaimed.
For Magazine Published Periodically.
Claims use since June 1, 1950.

Ser. No. 614,112. Vive Publishing Co., Chicago, Ill. Filed May 19, 1951.

VIVE

For Monthly Magazine.
Claims use since Apr. 10, 1951.

Ser. No. 614,403. Esquire Sportswear Co., New York, N. Y. Filed May 26, 1951.

SLACKOLOGY

For Trade Publication, Published From Time to Time.
Claims use since Apr. 23, 1951.

Ser. No. 614,452. John C. Moffitt, Los Angeles, Calif. Filed May 28, 1951.

The CRACKER BARREL

For Newspaper Column.
Claims use since Feb. 2, 1950.

CLASS 39

CLOTHING

Ser. No. 497,843. Samuel R. Brown, doing business as Romance of California, Los Angeles, Calif. Original filed, act of 1905, Mar. 8, 1946; amended to application under act of 1946, Principal Register, Jan. 18, 1949.

HOLLYWOOD GLYDONS

The word "Hollywood" is disclaimed.
For Girdles and Panty Girdles.
Claims use since Jan. 21, 1946.

Ser. No. 548,401. Henry Perla, doing business as Perla Shirt Company, New York, N. Y. Filed Jan. 30, 1948. (Sec. 2f.)

STANDWARE

Applicant claims ownership of Registration No. 175,705.
For Dress, Negligee, and Work Shirts.
Claims use since Sept. 15, 1914.

Ser. No. 558,922. Oshkosh B'Gosh, Inc., Oshkosh, Wis. Filed June 10, 1948. (Sec. 2f.)

VESTBAK

For Overalls Primarily for Men but Sometimes Worn by Women, Girls, and Boys.
Claims use since Feb. 1, 1924.

Ser. No. 560,135. Schlesinger Brothers, New York, N. Y. Filed June 24, 1948.

"Priscilla"

For Ladies' Wearing Apparel—Namely, Blouses, Skirts, and Jackets.
Claims use since Apr. 12, 1947.

Ser. No. 562,289. The H. Zussman & Son Company, Cincinnati, Ohio. Filed July 27, 1948.

JEANNIE-ALLS

The word "Jeannie" is disclaimed.
For Ladies', Misses', and Girls' Dungarees, Pedal Pushers, and Shorts, and Boys' and Girls' Boxer Shorts.
Claims use since May 14, 1948.

Ser. No. 591,909. The Boss Manufacturing Company, Kewanee, Ill. Filed Feb. 3, 1950.

MUNK

For Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric.
Claims use since Jan. 13, 1950.

Ser. No. 594,070. Max Schwartz Lingerie, Inc., New York, N. Y. Filed Mar. 16, 1950.

"PANGEE'S"

For Ladies' and Misses' and Junior Misses' Nightgowns, Slips, and Panties.
Claims use since Dec. 27, 1949.

Ser. No. 604,986. Arthur Murray Enterprises, Inc., New York, N. Y. Filed Oct. 16, 1950.

Arthur Murray

The mark is that of "Arthur Murray," the renowned dance instructor, whose consent is given.
For Men's and Women's Hosiery.
Claims use since Oct. 9, 1950.

Ser. No. 607,127. Hyde Park Clothes, Inc., Newport, Ky. Filed Nov. 30, 1950.

Hyde Park

Applicant claims ownership of Registrations Nos. 163,111 and 396,052.
For Men's Suits, Coats, Topcoats, Raincoats, Smoking Jackets, Tuxedos, and Evening Dress Suits.
Claims use since Apr. 7, 1922.

Ser. No. 611,137. Mavest Inc., New York, N. Y. Filed Mar. 10, 1951.

TWEEDSPUN

For Sport Jackets, Suits and Topcoats and All Outer Coats for Men, Women, and Children.
Claims use since Mar. 6, 1951.

Ser. No. 611,276. Holeproof Hosiery Co., Milwaukee, Wis. Filed Mar. 14, 1951.

GOLDEN CALF

For Women's Hosiery.
Claims use since Feb. 21, 1951.

Ser. No. 612,252. Joseph Goldberg & Sons, Inc., Paterson, N. J. Filed Apr. 5, 1951.

season spanner

For Men's, Ladies', Misses', and Children's Suits and Coats.
Claims use since June 1, 1950.

Ser. No. 612,556. Rachel F. Propper, doing business as Rachel Andres, New York, N. Y. Filed Apr. 12, 1951.

PAJONNY

For Women's Pajamas.
Claims use since Mar. 19, 1951.

Ser. No. 612,564. Shreve & Adams, Inc., New York, N. Y. Filed Apr. 12, 1951.

SHERBETONES

For Children's, Ladies', and Misses' Anklets and Hosiery.
Claims use since Feb. 16, 1951.

Ser. No. 613,280. Outdorable's, Inc., Minneapolis, Minn. Filed Apr. 27, 1951.

Laker

For Men's Top Coats, Storm Coats, Sport Jackets, and Sport Shirts.
Claims use since Dec. 1, 1950.

Ser. No. 613,472. New York Knitting Mills, Inc., New York, N. Y. Filed May 3, 1951.

FURLON

For Knitted Sweaters, Jackets, and Sport Shirts for Men, Women, and Children.
Claims use since Mar. 15, 1951.

Ser. No. 613,613. Spurgeon Hosiery Corporation, Philadelphia, Pa. Filed May 7, 1951.

DUPLIQUETTE

For Hosiery for Women and Girls.
Claims use since Mar. 1, 1948.

Ser. No. 613,716. Lubin-Weeker Co., Inc., New York, N. Y. Filed May 10, 1951.

Fancy Pans

For Men's and Boys' Pajamas.
Claims use since Mar. 22, 1951.

Ser. No. 613,867. Wayne L. Chapman, Dallas, Tex. Filed May 15, 1951.

Heirline

The word "Line" is disclaimed.
For Women's Dresses.
Claims use since Dec. 1, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 601,426. Defense Committee for the Flax and Linen Industry in Belgium, Tielt, Belgium. Filed July 29, 1950. COLLECTIVE MARK.

BELGIAN LINEN RIVERLYS

The words "Belgian Linen" and "Emblem of Quality" are disclaimed. Applicant claims ownership of Belgium Registration No. 850, dated May 13, 1950.
For Linen Piece Goods.
Claims use since Aug. 4, 1949; and in commerce between foreign nations and the United States since April 1950.

Ser. No. 609,618. Whitewater Raincoat Company, Whitewater, Wis. Filed Feb. 3, 1951.

Sweaters

The girl illustration on the drawing is fanciful.
For Waterproof Fabrics of Cotton, Wool, and Synthetic Fibers and Plastic Film for Making Into Raincoats, Weight Reducing Garments, and the Like.
Claims use since July 5, 1950.

Ser. No. 609,796. Glen Raven Cotton Mills, Inc., Glen Raven, N. C. Filed Feb. 8, 1951.

VIVACRYL

Applicant claims ownership of Registration No. 279,711.
For Fabrics of Cotton, Wool, or Synthetic Fibers and Combinations Thereof.
Claims use since Sept. 26, 1950.

Ser. No. 610,448. Miron Mills, Inc., Clinton, Mass. Filed Feb. 23, 1951.

GROSGRANA

For Wool Fabrics in the Piece.
Claims use since Dec. 28, 1950.

Ser. No. 610,488. The Associated Merchandising Corporation, New York, N. Y. Filed Feb. 24, 1951.

CHINA SEA

The word "China" is disclaimed.
For Wool Hooked Rugs.
Claims use since Dec. 8, 1950.

Ser. No. 610,570. Robert McBratney & Company, Incorporated, New York, N. Y. Filed Feb. 27, 1951.

"Glen Shannon"

The name "Glen Shannon" is fanciful.
For Linen Piece Goods.
Claims use since Oct. 31, 1941.

Ser. No. 610,781. Jack Davis, New York, N. Y. Filed Mar. 3, 1951.

Zula

The person shown in the drawing is fanciful. The word "Zula" is disclaimed.
For Fabrics in the Piece Woven of Silk, Cotton, Wool, Nylon, Rayon, Glass, or Protein Fibres or Mixtures Thereof.
Claims use since Dec. 20, 1950.

Ser. No. 610,867. Sheraton Mills, Inc., New York, N. Y. Filed Mar. 5, 1951.

WONDERLON

For Fabrics of Synthetic Fibers.
Claims use since Jan. 16, 1951.

Ser. No. 610,905. Hollywood Textile Converters, Los Angeles, Calif. Filed Mar. 6, 1951.

SILCUNA

For Fabric of Synthetic Fibres, Sold in the Piece.
Claims use since Jan. 19, 1951.

Ser. No. 611,563. Dan River Mills, Incorporated, Danville, Va. Filed Mar. 20, 1951.

DAN-SARI

The word "Sari" is disclaimed.
For Gingham Piece Goods Composed of Cotton and Rayon.
Claims use since Sept. 29, 1950.

Ser. No. 616,967. Rayflex Fabrics, Inc., New York, N. Y. Filed July 26, 1951.

NYLACRON

For Woven Elastic Fabrics in the Piece.
Claims use since June 18, 1951.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 516,476. The Forster Manufacturing Company, Inc., Farmington, Maine. Original filed, act of 1905, Jan. 28, 1947; amended to application under act of 1946, Principal Register, July 30, 1947.

WORLDS FAIR

Applicant claims ownership of Registration No. 35,328.
For Toothpicks.
Claims use since Aug. 1, 1889.

Ser. No. 574,370. Modern Materials Manufacturing Co., St. Louis, Mo. Filed Feb. 23, 1949.

MODERN MATERIALS

The word "Modern Materials" are disclaimed.
For Dental Flasking Plaster Compounded and Developed To Facilitate Deflasking of Acrylic Dentures.
Claims use since July 15, 1948.

Ser. No. 586,627. Nancy D'Alesandro, Baltimore, Md. Filed Oct. 21, 1949.

VELVEX
"BEAUTY BY VAPOR"

The words "Beauty by Vapor" are disclaimed.
For Beautifier Vaporizer for Treatment of the Skin.
Claims use since Apr. 12, 1949.

Ser. No. 594,241. Marjorie Egerton Storey and William Henry Storey, Cambridge, England. Filed Mar. 16, 1950.

THE CHOODLER

Applicant claims ownership of British Registration No. 652,080, dated Sept. 27, 1946.
For Teething Ring Appliances for Infants.

Ser. No. 609,690. E. Miltenberg, Inc., New York, N. Y. Filed Feb. 6, 1951.

MILTEX

For Dental Operative Instruments — Namely, Gum Scissors, Scalpels, Tooth Extraction Forceps, Root Forceps, Dental Burs, Elevators, Plastic Filling Instruments, Handpieces and Contraangles, Crown Slitters; Surgical Operative Instruments — Namely, Haemostatic Forceps, Needleholders, Retractors, Towel Clamps, Operating Scissors, Eye, Ear, Nose, Throat Instruments, Intestinal and Gynecological Forceps, Clamps, Curettes, Scissors, Hypodermic Syringes and Needles, Suture Needles, Bandage Scissors, Bone Instruments, Thumb and Tissue Splinter Forceps; Surgical Diagnostic Instruments—Namely, Percussion Hammers, Bloodlancets, Specula for Examination of Eye, Ear, Nose, Rectum and Vagina; Dental Diagnostic Instruments — Namely, Mouthgags and Mouthmirrors; Blood Pressure Apparatus—Namely, Mercurial and Aneroid Blood Pressure Machines, Oscillometers; Manicure Instruments—Namely, Nail and Cuticle Scissors and Nippers, Nail Files; Chiropody Instruments—Namely, Ingrown Nail Forceps, Corn Knives, Packers, and Excavators.
Claims use since August 1950.

Ser. No. 610,668. Amos R. Beamon, Los Angeles, Calif. Filed Mar. 1, 1951.

HEMOTRON

For Electrical Machines Used in the Treatment of High Blood Pressure, Wherein the Patient Is Placed in an Electrical Circuit so as To Be Impressed With a Medium Radio Frequency Carrier Modulated by an Audio Frequency Signal.
Claims use since May 25, 1950.

Ser. No. 613,434. The Berivon Company, Meridian, Miss. Filed May 3, 1951.

BERIVON

For Fracture Fixing Pins.
Claims use since March 1949.

Ser. No. 614,019. Tego Products Company, Greenville, S. C. Filed May 17, 1951.

Tego

For Sanitary Napkins and Belts.
Claims use since Dec. 31, 1937.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 581,439. Perkel Food Products Co., Portland, Oreg. Filed July 1, 1949.



For Non-Alcoholic, Maltless Fruit Punches and Fruit Flavored Soft Drinks, Such as Orange, Grape, Raspberry, Strawberry, and for Syrups Used in Making the Same.
Claims use since June 1, 1949.

Ser. No. 602,543. Belfast Beverages, Inc., San Francisco, Calif. Filed Aug. 22, 1950.



The words "Old Fashioned" and the representation of the foaming root beer are disclaimed.
For Root Beer.
Claims use since July 10, 1950.

Ser. No. 602,973. James J. Richardson, doing business as Richardson Products Co., Toledo, Ohio. Filed Aug. 30, 1950. (Sec. 2f.)

"FRIGID-O"

For Non-Alcoholic, Maltless Beverages Sold as Soft Drinks, and Syrups for Making the Same.
Claims use since Mar. 1, 1930.

Ser. No. 611,190. Murray Hill Restaurant, Inc., New York, N. Y. Filed Mar. 12, 1951.



For Unflavored Carbonated Water and Flavored Carbonated Water.
Claims use since Jan. 2, 1948.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 548,091. E. W. Merritt, Porterville, Calif. Filed Jan. 27, 1948. (Sec. 2f.)



Applicant claims ownership of Registration No. 380,250.
For Fresh Melons, Fresh Grapes, and Fresh Vegetables.
Claims use since May 1936.

Ser. No. 549,431. First National Stores Inc., Somerville, Mass. Filed Feb. 16, 1948. (Sec. 2f.)

FINAST

Applicant claims ownership of Registration No. 234,594.
For Dried Vegetables—Namely, Pea Beans, Whole Green Peas, Whole White Peas, Yellow Split Peas, Green Split Peas, Lima Beans, and Yellow Eye Beans; Dried Apricots, Mince Meat, Raisins, Pie Crust, Barley, Rice, Lentils, Tapioca, Sea Food Cocktail Sauce, Tomato Paste, Sauerkraut, Apple Sauce, Baked Beans, Spaghetti With Tomato Sauce and Cheese, Canned Salmon, Ketchup, Chili Sauce, Sandwich Spread, Mayonnaise, Molasses, Peanut Butter, Brown Bread, Mustard, Mustard Prepared With Horseradish, Sliced Pineapple, Crushed Pineapple, Cherries in Heavy Syrup, Sliced Grapefruit, Apricot Halves in Heavy Syrup, Sliced Peaches in Heavy Syrup, Canned Fruit Cocktail, Canned Fruits for Salad, Raspberries in Heavy Syrup, Pear Halves in Heavy Syrup; Canned or Packaged Prunes; Canned Vegetables — Namely, Sliced Beets, Cut Refugee Beans, Shoestring Beets, Cut Wax Beans, Cut Green Beans, Whole Stringless Green Beans, Whole Wax Beans, Shoestring Carrots, Sweet Peas, Succotash, Tomatoes With Added Tomato Juice, Whole Beets, Diced Carrots, Sweet Corn Cream Style, Whole Kernel Sweet Corn, Shelled Beans, Pumpkin, Squash, Spinach, Asparagus Spears, Asparagus Tips, Green Lima Beans; Vinegar, Olives, Canned Fruit and Vegetable Juices.
Claims use since Oct. 26, 1926.

Ser. No. 556,015. George King & Company Limited, London, England. Filed May 1, 1948.

OATREX

Applicant claims ownership of British Registration No. 458,049, dated Apr. 14, 1925.
For Cereal Preparations.
Claims use since Apr. 14, 1925.

Ser. No. 561,279. George Woo, doing business as W. Fay Company, Los Angeles, Calif. Filed July 13, 1948.

Woo-Woo

For Fresh Deciduous Fruits and Vegetables.
Claims use since June 8, 1948.

Ser. No. 565,694. Louis Ender, New York, N. Y. Filed Sept. 23, 1948.

ENDECO

For Fruit Preserves; Bakers' Supplies—Namely, Almond-Apricot Kernel Paste, Macaroon Paste, Shelled, Granulated and Sliced Nuts, Icings Including Fondant Icings, Icing Bases, Poppy Seed Butter, Pie Fillings, Specifically Cherry, Blueberry, Pineapple, Peach, Apricot and Strawberry Fillings, Chocolate Fudge Bases, Glaced Fruits and Food-Flavoring Extracts; Canned Fruits, Canned Vegetables, Gelatine Desserts, Pudding Powders, Macaroni, Spaghetti, Noodles and Other Alimentary Pastes, Tea and Spices.
Claims use since Oct. 5, 1912.

Ser. No. 569,424. Atlanta Milling Company, Atlanta, Ga. Original filed, act of 1946, Supplemental Register, Nov. 26, 1948; amended to application, Principal Register, May 25, 1950.

The Movie Money Is In The Bag

Capitola

The expression "The Movie Money Is in the Bag" is disclaimed.
For Wheat Flour.
Claims use since Mar. 1, 1940.

Ser. No. 571,304. Vaca Foods, Inc., Chicago, Ill. Filed Dec. 29, 1948.



The representation of the sausages is disclaimed.
For Preserved Sea Foods—Namely, Sardines and Shrimp Cocktail; and Anchovies and Crackers.
Claims use since Jan. 1, 1947.

Ser. No. 575,818. British Cod Liver Oils (Hull & Grimsby) Limited, Hull, England. Filed Mar. 18, 1949.

SOLVITAX

Applicant claims ownership of British Registration No. 565,224, dated Dec. 19, 1935.
For Fish Oils for Use as Food and Ingredients in Food.

Ser. No. 579,642. Wood Canning Company, Stockton, Calif. Filed May 27, 1949.

Star ORCHARD

The word "Orchard" is disclaimed.
For Canned Peaches.
Claims use since May 5, 1949.

Ser. No. 580,048. Central Soya Company, Inc., Fort Wayne, Ind. Filed June 7, 1949.

SOMAC

For Concentrate for Livestock and Poultry Feed Containing as Ingredients Fish Meal, Condensed Fish Solubles, Dehydrated Alfalfa Meal, Soybean Oil Meal, Vitamin A and D Feeding Oil, Riboflavin, D-Activated Animal Sterol, Manganese Sulphate, Potassium Iodide, Iron Oxide, and Cobalt Sulphate.
Claims use since April 1949.

Ser. No. 580,534. The Union Fish Company, Erie, Pa. Filed June 15, 1949. (Sec. 2f.)

KOLBE

For Frozen Fish.
Claims use since Apr. 1, 1904.

Ser. No. 584,088. W. F. Straub & Company, Chicago, Ill. Filed Aug. 26, 1949. (Sec. 2f.)

HONEY MELLOWED

Applicant claims ownership of Registration No. 399,920.
For Prune Juice and Shredded Coconut.
Claims use since August 1941.

Ser. No. 585,699. California Fruit Exchange, Sacramento, Calif. Filed Oct. 3, 1949.

ROYAL MOUNTAIN

The word "Mountain" is disclaimed. Applicant claims ownership of Registration No. 528,556.
For Fresh Deciduous Fruits.
Claims use since Sept. 10, 1949.

Ser. No. 589,789. Herman Josephart, Miami Beach, Fla. Filed Dec. 22, 1949.



The word "Chicken" is disclaimed.
For Cooked Chicken.
Claims use since Jan. 1, 1939.

Ser. No. 590,102. S. B. Penick & Company, New York, N. Y. Filed Dec. 29, 1949.

VANDRYNILLA

For Flavoring Products—Namely, a Flavoring Base Used in the Manufacture of Foods.
Claims use since Mar. 27, 1949.

Ser. No. 591,092. Laurentide Dairy Products Limited, Quebec, Quebec, Canada. Filed Jan. 19, 1950.

DAILY

Applicant claims ownership of Canadian Registration No. 129, dated Sept. 21, 1949.
For Powdered Milk.

Ser. No. 595,684. Seabrook Associates, Tyrone, Pa. Filed Apr. 13, 1950.

Satinee

For Shelled Peanuts, Both Salted and Unsalted.
Claims use since Aug. 1, 1949.

Ser. No. 596,107. The Marjack Company, also known as The Marjack Co., Inc., Washington, D. C. Filed Apr. 21, 1950.



For Popped Corn in Both the Natural State and Flavored.
Claims use since Dec. 15, 1949.

Ser. No. 596,966. Fred W. Amend Co., Chicago, Ill. Filed May 6, 1950.

Chuckles SPICE JELLY DROPS

The words "Spiced Jelly Drops" are disclaimed.
For Candy.
Claims use since Jan. 20, 1950.

Ser. No. 598,372. William Klein, doing business as American Mercantile Company, San Francisco, Calif. Filed May 31, 1950.

MID-SEA

The word "Sea" is disclaimed.
For Canned Fish and Canned Shellfish.
Claims use since Mar. 13, 1950.

Ser. No. 598,469. Hachmeister-Inc., Pittsburgh, Pa. Filed June 2, 1950.

PH-MYNUS

The term "PH" is disclaimed.
For Yeast Food Used as a Dough Improver in the Baking Industry.
Claims use since Nov. 30, 1949.

Ser. No. 599,047. Hungerford Packing Co., Inc., Hungerford, Pa. Filed May 6, 1950. (Sec. 2f.)



The word "Brand" is disclaimed.
For Canned Vegetables and Canned Tomato Juice for Food Purposes.
Claims use since 1936.

Ser. No. 599,938. General Biochemicals, Inc., Chagrin Falls, Ohio, now by change of name Chagrin Falls Chemicals, Inc., a corporation of Ohio, assignor, by mesne assignments, to General Biochemicals, Inc. (1951), Chagrin Falls, Ohio, a corporation of Ohio. Filed June 29, 1950.

HY-GUARD

Applicant claims ownership of Registration No. 435,790.
For Ice Cream Stabilizer.
Claims use since June 15, 1950.

Ser. No. 600,887. Leigh C. Haines & Sons, Fort Fairfield, Maine. Filed July 19, 1950.

EVERGREEN

For Potatoes in Their Natural State.
Claims use since Jan. 3, 1949.

Ser. No. 600,907. The Pam Company, Kansas City, Mo. Filed July 19, 1950.

PAM

For Pies Comprising Pastry and Ice Cream in Combination.
Claims use since June 29, 1950.

Ser. No. 601,366. Mondial Company, Inc., also doing business under the trade-name and style of "Arocna," New York, N. Y. Filed July 28, 1950.

Rocket

For Canned Fish.
Claims use since July 1950.

Ser. No. 601,674. Hirsch Bros. & Co. Inc., Louisville, Ky. Filed Aug. 3, 1950.

PARAMOUNT

Applicant claims ownership of Registrations Nos. 242,593, 249,296, and 218,498.
For Salad Dressing, Tomato Ketchup, Chili Sauce, Red Pepper Sauce, Mustard, Sandwich Spread, Mayonnaise, Chili Con Carne, and Canned Tomato Juice.
Claims use since 1919.

Ser. No. 602,590. R. B. Wurgaft, doing business as California Citrus Processors, Anaheim, Calif. Filed Aug. 22, 1950. (Sec. 2f.)

Top TASTE

Applicant claims ownership of Registration No. 435,795.
For Canned Orange Juice for Food Purposes.
Claims use since July 1936.

Ser. No. 603,026. Sellers Grocery Company, Inc., also doing business as Sellers Coffee Company, Montgomery, Ala. Filed Aug. 31, 1950.

MORNING CALL

For Coffee and Rice.
Claims use since June 15, 1936.

Ser. No. 603,089. Tenth Avenue Trading Corp., New York, N. Y. Filed Sept. 1, 1950.

Cosmocaffe

The representation of the fanciful sprig of olives is disclaimed.
For Olive Oil.
Claims use since Feb. 1, 1950.

Ser. No. 603,963. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed Sept. 25, 1950.

VINECREST

For Raisins.
Claims use since Sept. 14, 1950.

Ser. No. 604,353. Bjarne Eckhoff's Konservesfabrik A/S, Odense, Denmark. Filed Oct. 3, 1950.

DANISH Beauty BRAND

The words "Danish" and "Brand" are disclaimed.
For Canned Ham.
Claims use since June 27, 1950; and use in commerce between Denmark and the United States on June 27, 1950.

Ser. No. 606,535. Marine Products Company, San Diego, Calif. Filed Nov. 17, 1950.

MIRASOL

For Frozen Fresh Shrimp.
Claims use since Oct. 17, 1950.

Ser. No. 606,915. H. G. Walter, doing business as The Scorb Company, Kansas City, Kans. Filed Nov. 24, 1950.

"SCORBS"

For Anti-Oxidant in Powder Form for Use in Fresh Fruits in Preparation for Canning and/or Freezing To Protect Color and Flavor Thereof.
Claims use since June 2, 1950.

Ser. No. 607,041. Pretzel Bitz Corporation, Bluffton, Ind. Filed Nov. 28, 1950.

by Zed

For Bakery and Confectionery Products—Namely, Pretzels, Chocolate Cookie Sticks, Cheese Sticks, Soya Sticks, Tomato Sticks, Celery and Onion Sticks, Rye and Caraway Sticks, and Corn Sticks.
Claims use since Oct. 10, 1947.

Ser. No. 608,994. Marques, Neves & Companhia, Limitada, Setubal, Portugal. Filed Jan. 19, 1951.

Sporling

Applicant claims ownership of Portuguese Registration No. 36,866, dated Feb. 2, 1929.
For Sardines in Pure Olive Oil.

Ser. No. 609,153. Westgate-Sun Harbor Company, San Diego and Monterey, Calif. Filed Jan. 23, 1951.

Puerto del Sol

The mark is the Spanish equivalent of the expression "Port of the Sun."
For Canned Fish and Canned Shellfish.
Claims use since Oct. 17, 1950.

Ser. No. 609,539. The De Martini Macaroni Co., Inc., Brooklyn, N. Y. Filed Feb. 2, 1951.

Martini

Applicant claims ownership of Registration No. 267,182.
For Macaroni, Spaghetti, and Egg Noodles.
Claims use since Dec. 20, 1928.

Ser. No. 610,354. The Procter & Gamble Company, Cincinnati, Ohio. Filed Feb. 17, 1951.

SOMARCO

For Blend of Soybean and Cottonseed Oils for Food Purposes.
Claims use since Jan. 15, 1951.

Ser. No. 611,195. Hugh A. Priddy, Wichita Falls, Tex. Filed Mar. 12, 1951.



The drawing is lined to indicate red and green. The words "Mel-On-Stick" and the representation of the watermelon are disclaimed.
For Frozen Watermelon Confection on a Stick.
Claims use since Feb. 20, 1951.

Ser. No. 611,399. The Cavalier-Gulling-Wilson Company, Cleveland, Ohio. Filed Mar. 16, 1951.

Frank Cavalier FOODS

The word "Foods" is disclaimed. The name "Frank Cavalier" shown in the drawing is that of the president of the applicant corporation.
For Garlic.
Claims use since Feb. 3, 1951.

Ser. No. 611,590. Calo Dog Food Company, Inc., Oakland, Calif. Filed Feb. 26, 1951.

BRONCO

For Canned Dog Food.
Claims use since Dec. 9, 1950.

Ser. No. 615,192. Research Products Company, Kansas City, Mo. Filed June 14, 1951.

REPCO

For Emulsifier for Use in the Manufacture of Dough Products Such as Bread.
Claims use since Oct. 14, 1947.

CLASS 47

WINES

Ser. No. 576,619. T. G. Bright & Co. Limited, Township of Stamford and Niagara Falls, Ontario, Canada. Filed Apr. 5, 1949.



Priority under Sec. 44(d). Canadian application S. N. 202,212, filed Feb. 18, 1949, Reg. No. N. S. 33,145, Register 129, dated Feb. 18, 1949. The drawing is lined for shading.
For Wines.
Claims use since July 1, 1947, in Canada; and first used in commerce between Canada and the United States on Mar. 23, 1949.

Ser. No. 576,624. T. G. Bright & Co. Limited, Township of Stamford and Niagara Falls, Ontario, Canada. Filed Apr. 5, 1949.



The drawing is lined for red. Applicant claims ownership of Registrations Nos. 311,406, 311,409, and others.
For Wines.
Claims use since Apr. 10, 1911, in Canada; and first used in commerce between Canada and the United States on Mar. 23, 1949.

Ser. No. 582,187. Schenley Distillers Corporation, doing business as Weston Winery, New York, N. Y., and Fresno, Calif.; said Schenley Distillers Corporation now by change of name Schenley Industries, Inc. Filed July 19, 1949.

Frescal

For Wines.
Claims use since June 18, 1948.

Ser. No. 582,188. Schenley Distillers Corporation, doing business as Weston Winery, New York, N. Y., and Fresno, Calif.; said Schenley Distillers Corporation now by change of name Schenley Industries, Inc. Filed July 19, 1949.

ORACLE

For Wines.
Claims use since June 18, 1948.

Ser. No. 608,644. Wine Corporation of America, Chicago, Ill. Filed Jan. 10, 1951.

MOGEN DAVID

Applicant claims ownership of Registrations Nos. 399,703 and 403,767.
For Wine.
Claims use since Feb. 1, 1934.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 585,325. Gulf Brewing Company, Houston, Tex. Filed Sept. 26, 1949.

GRAND PRIZE

Applicant claims ownership of Registrations Nos. 398,757, 401,005, and 526,219.
For Lager Beer.
Claims use since Dec. 14, 1933.

Ser. No. 594,620. The Croft Brewing Company, Wilmington, Del., and Roxbury, Boston, Mass. Filed Mar. 25, 1950.

GAMECOCK

For Ale.
Claims use since Jan. 9, 1950

Ser. No. 594,621. The Croft Brewing Company, Wilmington, Del., and Roxbury, Boston, Mass. Filed Mar. 25, 1950.



For Ale.
Claims use since Feb. 1, 1950.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 575,331. Consolidated Cosmetics, Chicago, Ill. Filed Mar. 12, 1949. (Sec. 2f.)

BOLIVIA

Applicant claims ownership of Registration No. 418,188.
For Lipsticks, Face Powder, Hand Lotion, Brilliantine, and Perfumes.
Claims use since Aug. 7, 1940.

Ser. No. 580,118. Marcia Pruitt Baumann & Son, Los Angeles, Calif. Filed June 8, 1949.



The mark comprises the letters "ONS" printed across the letter "X," a crown located above the "X," stars positioned along the sides of the lettering, and crossed feathers surrounding all of the mark except the crown.
For Hair Dressing.
Claims use since Dec. 8, 1948.

Ser. No. 585,919. Extraction & Chemical Company Inc., New York, N. Y. Filed Oct. 7, 1949.

Enjoy Odol

For Mouthwashes Used as Dentifrices.
Claims use since 1939.

Ser. No. 590,653. Irene F. Craft, Ridgewood, N. J., assignor to James L. Younghusband, Chicago, Ill. Filed Jan. 11, 1950.

LIGHT FANTASTIC

For Perfumes.
Claims use since Nov. 5, 1949.

Ser. No. 593,441. Rilling Company, New York, N. Y. Filed Mar. 4, 1950.

Silver Jubilee

For Hair Waving Solutions.
Claims use since Feb. 14, 1950.

Ser. No. 593,442. Rilling Company, New York, N. Y. Filed Mar. 4, 1950.

Perma-Life

The word "Life" is disclaimed.
For Hair Creams Used To Impart Waves to the Hair.
Claims use since Feb. 14, 1950.

Ser. No. 605,312. Lee Pharmacal Co., Beverly Hills, Calif., assignor to Lever Brothers Company, New York, N. Y., a corporation of Maine. Filed Oct. 23, 1950.

Shadow Wave

The word "Wave" is disclaimed. Applicant claims ownership of Registration No. 234,345.
For Home Cold Wave Refill Kit Containing Self-Neutralizing Lotion for Hair Waving Purposes.
Claims use since Sept. 25, 1950.

Ser. No. 606,625. Jack B. Nethercutt, doing business as Nethercutt Laboratories, Santa Monica, Calif. Filed Nov. 18, 1950.

POSITIVE RED

The word "Red" is disclaimed.
For Lip Rouge—Namely, Lipsticks.
Claims use since Mar. 2, 1950.

Ser. No. 606,806. Joseph Raggi, doing business under the name Jo Raggi, New York, N. Y. Filed Nov. 22, 1950.

Raggi Ray

The name "Raggi Ray" is fanciful.
For Hair Tonic.
Claims use since Aug. 11, 1950.

Ser. No. 613,076. L & L Beauty Products, Pioche, Nev. Filed Apr. 24, 1951.

Pinionette

For Cosmetic Preparations—Namely, Astringents, All Purpose Cream, Creme Lotion, Dry Skin Cream, Cleansing Cream, and Deep Pore Cleanser.
Claims use since January 1949.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 591,488. The Kleenzit Corporation, Brownsville, Tenn. Filed Jan. 26, 1950.

LEMON-X

The word "Lemon" is disclaimed.
For Liquid Chemical Cleanser for General Household Cleaning; Also for Use on the Hands.
Claims use since July 15, 1948.

Ser. No. 592,574. Modern Methods, Incorporated, Atlanta, Ga. Filed Feb. 16, 1950.



The words "Modern Methods, Inc.," "Clean to Perfection," and "Atlanta, Ga." are disclaimed. The drawing is lined for red. Applicant claims ownership of Registration No. 516,228.
For Paint and Woodwork Cleaner, a Floor Cleaner, a Cleaner and Deodorizer for Toilet Bowls, a Cleaner for All Types of Metal, and a Degreasing Agent for Cleaning Floors.
Claims use since Mar. 6, 1947.

Ser. No. 593,493. H. B. Meyer & Son, Dallas, Tex. Filed Mar. 6, 1950.



The words "Meyer" and "Dependable Sanitary Products" are disclaimed.
For Preparation Used for Cleaning and Polishing Bathtubs, Wash Basins, Toilet Bowls, Floors, Walls, and Tile, Marble, Porcelain, Enamel, and Metallic Surfaces.
Claims use since May 7, 1949.

Ser. No. 593,996. Fred Orbach, doing business as Car-X Co., Jackson Heights, N. Y. Filed Mar. 15, 1950.

CAR-X

For Liquid Car Wash Having an Aqueous Base, Requiring No Water, Rinsing, or Hosing.
Claims use since Dec. 22, 1949.

Ser. No. 597,034. Stanley Floreskul, doing business as The SF Laboratories, Boston, Mass. Filed Apr. 5, 1950.

S'Jane

For Toilet Soaps, Cream Shampoos, Soapless Shampoos, and Coconut Oil Shampoos.
Claims use since Oct. 1, 1948.

Ser. No. 601,062. Nocon Products Corporation, New York, N. Y. Filed July 21, 1950.

NOCOPON

For Powdered Detergent Chemical Compound for Cleaning Textiles and Similar Materials.
Claims use since June 1, 1949.

Ser. No. 602,122. Kalene Corporation, Minneapolis, Minn. Filed Aug. 12, 1950.

Kalene

For Water-Less Hand-Cleaning Paste.
Claims use since Apr. 6, 1950.

Ser. No. 604,285. George V. Willoughby, doing business under the assumed name of Century Products Co., Seattle, Wash. Filed Sept. 30, 1950.



The words "Spot" and "Gone" are disclaimed.
For Liquid Dry Cleaner for Spotting Delicate Fabrics.
Claims use since May 29, 1950.

Ser. No. 606,598. Daggett & Ramsdell, Inc., Newark, N. J. Filed Nov. 18, 1950.

BATH CORRAL

The word "Bath" is disclaimed.
For Soap and Soap Powder.
Claims use since October 1950.

Ser. No. 610,807. Stanley Home Products, Inc., Westfield, Mass. Filed Mar. 3, 1951.

SILENT MAID

For Toilet Bowl Cleaner With Incidental Deodorizing Properties.
Claims use since Dec. 7, 1950.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 563,455. Steven F. Evelyn, doing business as Enpro Engineered Products, Springfield, Mass. Filed Aug. 16, 1948.

ENPRO

For Counseling Service to Manufacturers in the Design, Manufacture, and Sales of Products of Said Manufacturers.
Claims use since July 27, 1948.

Ser. No. 581,927. Elizabeth Arden Sales Corporation, New York, N. Y. Filed July 14, 1949. (Sec. 2f.)

Elizabeth Arden

The name presented is that of "Elizabeth Arden" whose consent is given.
For Face, Body, and Hair Make-Up and Care, Consisting of: Face Treatments—Namely, Massages, Application of Cosmetics, Eyelash and Eyebrow Dyeing, Eyebrow Tweezing and Advice on Care of Skin and Make-Up; Body Massages, Passive Reducing Treatments; Hair Cutting, Hair Setting, Hair Curling, Permanent Waving, Scalp Treatments, Hair Tinting, Hair Dyeing, Hair Shampooing, Manicuring, Pedicuring, Removal of Superfluous Hair, and Corrective Exercises and Roller Treatments.
Claims use since Jan. 2, 1910.

Ser. No. 595,701. American Hydrotherm Corp., New York, N. Y. Filed Apr. 14, 1950.

HYDROTHERM

Applicant claims ownership of Registration No. 523,426.
For Engineering Services—Namely, Mechanical and Thermal Engineering Services.
Claims use since September 1946.

Ser. No. 596,262. The Chi Phi Fraternity, Atlanta, Ga. Filed Mar. 25, 1950. COLLECTIVE MARK.

CHI PHI

Applicant claims ownership of Registration No. 265,919.
For Organizing of Chapters in a National Collegiate Fraternity and Maintaining Membership Therein and Furthering the Civic and Educational Ideals Thereof.
Claims use since 1896.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 568,538. Solomon S. Schiller doing business as Brooklyn Telephone Answering Service, Brooklyn, N. Y. Filed Nov. 10, 1948.

DENTAPHONE

For Telephone Answering Service to Dentists.
Claims use since 1943.

Ser. No. 584,171. Treasure Island, Inc., Cleveland, Ohio. Filed Aug. 27, 1949.

Treasure Island

For Promotional Advertising Services—Namely, Promoting the Sale of Goods and Services of Others, the Services Consisting of Furnishing Treasure Chests to the Places of Business of Those Who Receive Applicant's Services, Furnishing Keys Distributed to Individuals in the Neighborhood of Said Places of Business for Use in Attempting to Open Said Treasure Chests, the Holders of the Lucky Keys Obtaining the Gifts Contained Therein; and Furnishing and Distributing Advertising Material in Connection Therewith for Publicity Purposes.
Claims use since March 1946.

Ser. No. 587,547. Nellie A. Halladay, Minneapolis, Minn. Filed Nov. 9, 1949. (Sec. 2f.)

NELLIE A. HALLADAY

For Product Demonstration, Selling, and Advertising Services Including the Advertising of Clients' Goods by Demonstrating the Products, by Distributing Coupons, Samples, and Literature Displaying the Clients' Merchandise, by Giving Talks on the Products Directly Before Groups and Indirectly Via Radio and Television, by the Organization and Distribution of Menus and Recipes Incorporating Therein the Clients' Food Products, and by the Conducting of Public Acceptance Sense and Sampling Tests of the Clients' Goods.
Claims use since Sept. 11, 1934.

Ser. No. 598,411. Association of Better Business Bureaus, Inc., New York, N. Y. Filed June 1, 1950. COLLECTIVE MARK.



Applicant claims ownership of Registration No. 264,595.
For Investigative and Information Services Relative to Business and Trade Practices for Protecting Responsible Business Against Abusive Business Practices and for Establishing and Maintaining Legitimate Advertising and Merchandising Practices.
Claims use since October 1927.

Ser. No. 599,298. Storecast Corporation of America, New York, N. Y. Filed June 5, 1950.



The phrase "Music to Buy By" is disclaimed. Applicant claims ownership of Registration No. 426,987.
For Advertising the Goods of Others in Retail Stores Through the Medium of Radio Program Broadcasts of Music and Commercial Announcements.
Claims use since May 18, 1946.

Ser. No. 604,362. Friendly Neighbor Service, Inc., Falls Church, Va., and District of Columbia. Filed Oct. 3, 1950.



The word "Service" is disclaimed.
For Advertising Services, Such Services Employing Personal Visits to Newcomers in the Community by a Representative of the Service Organization and the Presentation of Gift Certificates From the Sales Organization Using the Service.
Claims use since May 1, 1950.

Ser. No. 608,607. International Broadcasting Corporation, Shreveport, La. Filed Jan. 10, 1951.

Groovie's Boogie

For Advertising of Sponsor's Goods and Services Through the Medium of a Radio Program.
Claims use since Aug. 31, 1948.

Ser. No. 611,465. Allen Advertising Agency, Chicago, Ill. Filed Mar. 17, 1951.

H

For Advertising Service Consisting in the Distribution of Packages Containing Products and Premiums in Association With Advertising Literature and Information to Groups of Individuals, Firms, and Corporations Selected by It and Its Clients.
Claims use since Dec. 15, 1950.

Ser. No. 611,466. Allen Advertising Agency, Chicago, Ill. Filed Mar. 17, 1951.

INNER CIRCLE

For Advertising Service Consisting in the Distribution of Packages Containing Products and Premiums in Association With Advertising Literature and Information to Groups of Individuals, Firms, and Corporations Selected by It and Its Clients.
Claims use since Dec. 15, 1950.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 591,224. Lewis D. De Marco, doing business under the style and firm name of Bray & MacGeorge, Vineland, N. J. Filed Jan. 21, 1950.



For General Real Estate Brokerage, Including the Sale, Leasing, Mortgaging, Appraisal and Management of Real Property; and for Services as an Agent or Broker for Underwriting Insurance—Namely, Fire, Health, Burglary, Automobile, Landlord and Tenant Liability, Comprehensive Liability, and Personal Property Floated Insurance.
Claims use since 1910.

Ser. No. 594,821. Ward Lumber Company, Aurora, Ill. Filed Mar. 28, 1950.

Billy Beaver

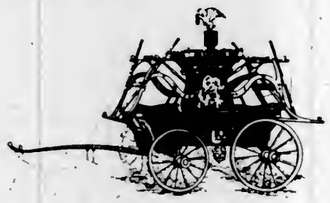
For Making Loans and Arranging for Loans Through Banks and Other Financial Institutions for Building Construction, Remodeling, and Repair.
Claims use since Mar. 1, 1941.

Ser. No. 597,375. American Securities Corporation, New York, N. Y., Chicago, Ill., and Boston, Mass. Filed May 13, 1950.



The words "American Securities Corporation" are disclaimed.
For Investment Banking—Namely, Originating and Underwriting of Securities; Stock Brokerage and Acting as Custodian of Securities for Clients.
Claims use since Apr. 27, 1950.

Ser. No. 608,208. Kinkade & Company Inc., Boston, Mass. Filed Dec. 29, 1950.



AMERICUS

The drawing is lined for shading and not to indicate color.
For Services as Insurance Agent, Both General and Special, Insurance Broker, and Insurance Loss Adjuster.
Claims use since Dec. 29, 1939.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 541,619. Westcott & Greis, Inc., Tulsa, Okla. Filed Nov. 18, 1947.

W&G

For Installation, Calibration, Adjustment, Repair, Inspection, and Maintenance of Measurement and Control Equipment—Namely, Gas and Liquid Meters, Gauges, Flow Control Instruments and Regulators.
Claims use since 1925.

Ser. No. 552,414. Band-It Company, Denver, Colo. Filed Mar. 19, 1948.

BAND-IT

Applicant claims ownership of Registrations Nos. 357,306 and 358,303.
For Maintenance of Tools for Applying Industrial Pressure Clamps.
Claims use since Dec. 1, 1937.

Ser. No. 562,356. General Floor Company Incorporated, New York, N. Y. Filed July 28, 1948.

MONOROCK

For Fabrication of Concrete Floors in the Erection of Permanent Building Structures.
Claims use since June 15, 1948.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 600,345. Minneapolis, St. Paul & Sault Ste. Marie Railroad Company, Minneapolis, Minn. Filed July 7, 1950.

SOO-DOMINION

For Railroad Passenger and Freight Transportation Service.
Claims use since May 1, 1932.

CLASS 106

MATERIAL TREATMENT

Ser. No. 561,814. Fair Lawn Finishing Company, Fair Lawn, N. J. Filed July 21, 1948.

DURASET

For Heat Setting of Nylon and Acrylic Fabrics in the Piece.
Claims use since May 22, 1948.

Ser. No. 594,708. Fo-Jo Studio, De Soto, Mo. Filed Mar. 27, 1950.

Fo-Jo Studio

The word "Studio" is disclaimed. The silhouette of the boy appearing on the drawing is fanciful. The drawing is lined for the color red.

For Processing, Photographic Film—Namely, Developing, Printing, Enlarging, and Retouching.

Claims use since 1938.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 537,443. Edward H. Ford, New York, N. Y. Filed Oct. 10, 1947.

CAN YOU TOP THIS?

For Entertainment Services Through the Medium of Radio and Television Broadcasts of Comedy Programs.

Claims use since Dec. 9, 1940.

Ser. No. 593,023. Jack Stransberg, Chicago, Ill. Filed Feb. 24, 1950.



The words "Kiddie" and "Cartoons" are disclaimed.

For Entertainment Service in the Nature of a Television Broadcast Program Consisting of Animated Cartoons and Associated Cinema Presentation With Accompanying Sound Track.

Claims use since Dec. 24, 1949.

Ser. No. 596,976. Himan Brown, New York, N. Y. Filed May 6, 1950.

(NO DRAWING)

The Mark Comprises
THE SOUND OF A CREAKING DOOR

The service mark consists of the audible sound of a "creaking door."

For Entertainment Service Rendered Through the Medium of a Series of Dramatic Radio Broadcast Programs.

Claims use since January 1941.

Ser. No. 611,601. Capitol Amusements, Inc., Erwin, Tenn. Filed Mar. 21, 1951.

RABBIT FOOT

For Entertainment Service in the Nature of Minstrel Shows and Novelty Acts.

Claims use since 1912.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,623. Fresh Milk, Fresh Cream, Butter, Buttermilk, and Cottage Cheese. Enid Cooperative Creamery Association, Enid, Okla.
Filed Feb. 15, 1943, Serial No. 458,531. Published Nov. 11, 1947. Class 46.

444,624. Men's, Women's, and Children's Hats and Hat Bodies. Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y.
Filed Aug. 13, 1946, Serial No. 507,331. Published Sept. 18, 1951. Class 39.

444,625. Fuel Oil Burners for Use in Connection With Heating Boilers and Furnaces. Randolph J. Buehler, Chicago, Ill.
Filed Nov. 6, 1946, Serial No. 512,105. Published Aug. 23, 1949. Class 34.

444,626. Bread. National Tea Co., Chicago, Ill.
Filed Feb. 5, 1947, Serial No. 516,995. Published Oct. 9, 1951. Class 46.

444,627. Manifolding Registers. The Autographic Register Company, Hoboken, N. J.
Filed June 10, 1947, Serial No. 523,884. Published Sept. 25, 1951. Class 23.

444,628. Beds, Chests, Bureaus, Mirrors, Etc. W. & J. Sloane, New York, N. Y.
Filed June 27, 1947, Serial No. 525,039. Published Oct. 9, 1951. Class 32.

444,629. Traditional and Modern Bedroom Furniture as Follows: Beds, Chests, Etc. W. & J. Sloane, New York, N. Y.
Filed June 27, 1947, Serial No. 525,040. Published Oct. 9, 1951. Class 32.

ACT OF 1920

These registrations are not subject to opposition.

444,630. (Class 1. Raw or Partly Prepared Materials.) William E. Moore, Oakland, Calif. Filed Dec. 11, 1946, Serial No. 514,056.

SUPER-ICE

For Special Refrigerant Consisting of a Block, Cake or Pad of Frozen Brine-Soaked Sawdust for Preservation of Perishable Goods in Transit.

Claims use since April 1939.

ACT OF 1946, PRINCIPAL REGISTER

552,624. Fresh Oranges. Fred A. Hill, Redlands Calif.; Ralph F. Sechrest, executor of said Fred A. Hill, deceased.
Original filed, act of 1905, Jan. 15, 1945; amended to application under act of 1946, Principal Register, Nov. 12, 1947, Serial No. 478,631. Published Sept. 13, 1949. Class 46.

552,625. Pasteurizers, and Machines for Heating and Cooling Liquid and Semi-Liquid Substances. Murray Deodorisers Limited, Auckland, New Zealand.
Original filed, act of 1905, Mar. 28, 1946; amended to application under act of 1946, Principal Register, Apr. 27, 1948, Serial No. 499,142. Published Oct. 2, 1951. Class 34.

552,626. Thermoplastic Rubberized Bituminous Composition in Bulk, Sheet and Strip Form, for Use as a Seal for Joints in Concrete Construction, Particularly Roadways, Airport Runways, and the Like, Sold to Persons Engaged in the Construction of Streets, Roads, Airport Runways, and the Like. Servicised Products Corporation, Chicago, Ill.
Original filed, act of 1905, Aug. 26, 1946; amended to application under act of 1946, Principal Register, Sept. 23, 1949, Serial No. 508,072. CONCURRENT USE. Published Oct. 9, 1951. Class 12.

552,627. Fresh Celery. E. O. Muir and Company, Salt Lake City, Utah.
Original filed, act of 1905, Sept. 23, 1946; amended to application under act of 1946, Supplemental Register, Sept. 26, 1947; amended to Principal Register, Aug. 1, 1950, Serial No. 509,591. Published Sept. 26, 1950. Class 46.

552,628. Wheat Flour. Schultz, Baujan & Co., Beardstown, Ill.
Original filed, act of 1905, Feb. 17, 1947; amended to application under act of 1946, Principal Register, June 19, 1948, Serial No. 517,671. Published Oct. 9, 1951. Class 46.

552,629. Canned Tomato Paste. Flotill Products, Incorporated, Stockton, Calif.
Original filed, act of 1905, Apr. 28, 1947; amended to application under act of 1946, Principal Register, Jan. 14, 1950, Serial No. 521,443. Published Oct. 16, 1951. Class 46.

552,630. Candy. E. J. Brach & Sons, Chicago, Ill.
Original filed, act of 1905, May 15, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948, Serial No. 522,428. Published Oct. 9, 1951. Class 46.

552,631. Paper Drinking Cups. Boston Envelope Company, doing business as Boston Drinking Cup Company, Dedham, Mass.
Filed Sept. 30, 1947, Serial No. 536,226. Published Oct. 9, 1951. Class 2.

552,632. Wheat Flour, and Stock and Poultry Feeds With a Grain Base. The Blair Milling Company, Atchison, Kans.
Filed Oct. 3, 1947, Serial No. 536,578. Published Oct. 9, 1951. Class 46.

552,633. Hydraulic Pumps; Hydraulic Direct-Lift, Arm-type, Cam and Roller, Telescopic, Hi-Lift, and Mechanical Hoists and Parts; Etc. Gar Wood Industries, Inc., Wayne, Mich.
Filed Oct. 6, 1947, Serial No. 536,890. Published Sept. 4, 1951. Class 23.

552,634. Hydraulic Pumps; Hydraulic Direct-Lift, Arm-Type, Cam and Roller, Telescopic Hi-Lift, and Mechanical Hoists and Parts; Etc. Gar Wood Industries, Inc., Wayne, Mich.
Filed Oct. 6, 1947, Serial No. 537,763. Published Sept. 4, 1951. Class 23.

552,635. Mechanics' Hand Tools — Namely, Torque Wrenches, Open End Wrenches, Sockets and Adapters for Wrenches, Spanner Wrenches, and Hand Drills. J O Manufacturing Co., South Gate, Calif.
Filed Oct. 18, 1947, Serial No. 538,286. Published Sept. 18, 1951. Class 23.

552,636. Electric and Manually Operated Load Transporting and Lifting Trucks. The Yale & Towne Manufacturing Company, New York, N. Y.
Filed Oct. 18, 1947, Serial No. 538,338. Published Oct. 16, 1951. Class 23.

552,637. New and Used Automotive Vehicles—Namely, Automobiles and Highway Trucks, and Structural Parts Therefor. Coast-In Pontiac Co., Inc., Washington, D. C.
Filed Nov. 17, 1947, Serial No. 541,404. Published Sept. 25, 1951. Class 19.

552,638. Men's, and Women's Suits, Coats, Jackets, Trousers, Vests, Outer Shirts, and Women's Foundation Garments. The Photometric Corporation, assignee of Richard Bennett Associates, Inc., New York, N. Y.
Filed Nov. 20, 1947, Serial No. 541,802. Published Sept. 4, 1951. Class 39.

552,639. Compacts for Cosmetics, Sold Empty in Trade, and Made of Non-Precious Metal. Illinois Watch Case Co., Elgin, Ill.
Filed Nov. 29, 1947, Serial No. 542,764. Published June 13, 1950. Class 2.

552,640. Lumber. Winton Lumber Company, Minneapolis, Minn.
Filed Dec. 12, 1947, Serial No. 544,237. Published Sept. 18, 1951. Class 12.

552,641. Group A—Roll Roofing, Roofing Shingles, Building Paper (Deadening Felt), Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 19, 1947, Serial No. 544,910. Published Mar. 22, 1949. Class 12.

552,642. Saw Blades. Millers Falls Company, Greenfield, Mass.
Filed Dec. 31, 1947, Serial No. 545,870. Published Oct. 9, 1951. Class 23.

552,643. Paint Mixing Oils. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Jan. 2, 1948, Serial No. 545,966. Published July 12, 1949. Class 16.

552,644. Medicated Plastic Dressing for the Relief of Inflammation. Demco, Inc., Denver, Colo.
Filed Jan. 6, 1948, Serial No. 546,283. Published Sept. 25, 1951. Class 18.

552,645. Pianos. Winter & Company, New York, N. Y.
Filed Nov. 12, 1947, Serial No. 540,351. Published Oct. 9, 1951. Class 36.

552,646. Cloth Cutting Machines and Parts Thereof. Eastman Machine Company, Buffalo, N. Y.
Filed Mar. 4, 1948, Serial No. 551,173. Published Sept. 18, 1951. Class 23.

552,647. Mechanical Sprayer Containing Aerosol Insecticide. Casco Products Corporation, Bridgeport, Conn.
Filed Mar. 10, 1948, Serial No. 552,914. Published Aug. 9, 1949. Class 23.

552,648. Residential and Industrial Steel Building Products—Namely, Residential, Commercial and Industrial Windows, Utility Windows, Storm Sash, Fireplace Hearth Steel Ash Disposal Vent Doors, Ash and Furnace Flue Cleanout Doors, Etc. Copco Steel and Engineering Company, Detroit, Mich.
Filed Apr. 15, 1948, Serial No. 554,650. Published Sept. 18, 1951. Class 12.

552,649. Pipe Cleaners, Cigar Holders, Cigarette Holders, and Smokers' Pipes. D. A. Schulte, Inc., New York, N. Y.
Filed Apr. 15, 1948, Serial No. 554,717. Published Jan. 10, 1950. Class 8.

552,650. Snuff. American Snuff Company, Memphis, Tenn.
Filed Apr. 23, 1948, Serial No. 555,356. Published Sept. 25, 1951. Class 17.

552,651. Surfacing Material of Bituminous Mix To Be Laid Upon Any Standard Base in the Resurfacing of Old Streets, Roads, Pavements, Air Fields, Etc. American Bitumuls Company, Wilmington, Del., and San Francisco, Calif.
Filed Apr. 30, 1948, Serial No. 555,911. Published Sept. 25, 1951. Class 12.

552,652. Asphalt Compositions. The Philip Carey Manufacturing Company, Cincinnati, Ohio.
Filed May 7, 1948, Serial No. 556,476. Published Sept. 18, 1951. Class 1.

552,653. Dress, Negligee, and Work Shirts for Men. Mayer Silfen, doing business as Monroe Shirt Company, New York, N. Y.
Filed Mar. 17, 1948, Serial No. 561,411. Published Sept. 4, 1951. Class 39.

552,654. Vinyl Coated Canvas Hampers and Baskets. C. R. Daniels, Inc., Daniels, Md.
Filed July 26, 1948, Serial No. 562,183. Published Oct. 2, 1951. Class 2.

552,655. Fresh Fluid Pasteurized Milk, Sweet Cream, Skim Milk, Chocolate Milk, Vitamin "D" Homogenized Milk, Buttermilk, and Fresh Butter, Cheese, Eggs, Ice Cream; Sherbets, Ices, Ice Cream Bars, and Sherbet Bars. The Isaly Dairy Company, Youngstown, Ohio.
Filed Aug. 24, 1948, Serial No. 563,933. Published Sept. 18, 1951. Class 46.

552,656. Windmills. Baker Manufacturing Company, Evansville, Wis.
Filed Sept. 10, 1948, Serial No. 564,921. Published Sept. 4, 1951. Class 23.

552,657. Table Tops of Laminated Plastic-Impregnated Material. Virtue Bros. Mfg. Co., Los Angeles, Calif.
Filed Sept. 21, 1948, Serial No. 565,592. Published Apr. 17, 1951. Class 32.

552,658. Tips for Smoking Pipes. James H. Murphy, Cleveland, Ohio.
Filed Oct. 9, 1948, Serial No. 566,760. Published Oct. 16, 1951. Class 8.

552,659. Portable Internal Combustion Engines Adapted for Operating Chain Saws, and Parts Thereof. Woodboss Inc., Portland, Oreg.
Filed Oct. 18, 1948, Serial No. 567,162. Published Sept. 4, 1951. Class 23.

552,660. Nail Polish and Lipstick. Evelyn Julesgaard, doing business as Juuls Distributors, New York, N.Y.
Filed Oct. 27, 1948, Serial No. 567,701. Published Aug. 7, 1951. Class 51.

552,661. Wood Beds, Dressers, Chests of Drawers, Kneehole Desks, Chestrobes, Wardrobes, Vanities, and Night Stands. Puritan Furniture Mfrs., Melrose, Mass.
Filed Feb. 17, 1949, Serial No. 574,051. Published Oct. 2, 1951. Class 32.

552,662. General Line of Custom Furniture Manufactured for Commercial and Domestic Uses—Namely, End Tables, Coffee Tables, Cocktail Tables, Etc. Woodfair Manufacturing Company, Cincinnati, Ohio.
Filed Mar. 9, 1949, Serial No. 575,176. Published Oct. 2, 1951. Class 32.

552,663. Additive for Bituminous Cements To Render Such Cements Water Repellent and To Improve Their Adhesivity. Minnesota Mining and Manufacturing Company, St. Paul, Minn.
Filed Mar. 11, 1949, Serial No. 575,279. Published Sept. 18, 1951. Class 12.

552,664. Metal Powder and Metal Powder Mixtures for Cemented Carbide Alloys, Carbide Blanks in Sintered or Cast Form for Cutting and Drilling Tools and for Facings to Protect Article Surfaces Subjected to Heavy Wear. Wolfram & Molybdene Société Anonyme, Nyon, Switzerland.
Filed Mar. 31, 1949, Serial No. 577,848. Published Feb. 13, 1951. Class 14.

552,665. Metal Powder and Metal Powder Mixtures, Etc. Wolfram & Molybdene Société Anonyme, Nyon, Switzerland.
Filed Mar. 31, 1949, Serial No. 577,849. Published Jan. 16, 1951. Class 14.

552,666. Tools—Namely, Tipped or Non-Tipped of Cemented or Cast Carbides of Great Hardness, Reamers, Drills, Cutter, and Lathe Tools, Drawing Tools and Dies. Wolfram & Molybdene Société Anonyme, Nyon, Switzerland.
Filed Mar. 31, 1949, Serial No. 577,850. Published May 8, 1951. Class 23.

552,667. Testing Kits for the Qualitative and Quantitative Determination of the pH Value of Aqueous Solutions or Systems Containing Indicator Papers, Comparative Color Charts, and Containers. Walter Florin, doing business as Micro Essential Laboratory, Brooklyn, N. Y.
Filed May 2, 1949, Serial No. 578,080. Published Oct. 2, 1951. Class 26.

552,668. Quick Frozen Fruits, Berries, Currants, Garden Peas, Fish, Etc. A/S Tönsberg Bryggeri, Tonsberg, Norway.
Filed May 4, 1949, Serial No. 578,184. Published Sept. 18, 1951. Class 46.

552,669. Ladle Stoppers for Molten Metal Ladles and Crucibles. Vesuvius Crucible Company, Swissvale, Pa.
Filed May 9, 1949, Serial No. 578,470. Published Sept. 25, 1951. Class 34.

552,670. Cigarette, Cigar, and Pipe Lighters. Österreichische Knopf- und Metallwarenfabrik J. Meister & Co., Vienna, Austria.
Priority under Sec. 44(*d*). Austrian Registration No. 5,108, filed Nov. 18, 1948.
Filed May 11, 1949, Serial No. 578,617. Published Oct. 16, 1951. Class 8.

552,671. Portable Cabinets With Prearranged Fittings for Holding Selected Carpenter Tools. The David Kenne Co., Elmhurst, Ill.
Filed May 18, 1949, Serial No. 579,029. Published Oct. 2, 1951. Class 2.

552,672. Gasoline Powered Chain Saws. Mill & Mine Supply, Inc., Seattle, Wash., assignor to Titan Chain Saws, Inc., Seattle, Wash.
Filed May 20, 1949, Serial No. 579,202. Published Sept. 18, 1951. Class 23.

552,673. Knit Dresses, Sport Dresses, Skirts, Sweaters, Swim Suits, Play Suits, Slack Suits, Halters, Beach Robes, Tailored Suits, Coats, Ski Pants and Ski Jackets, Etc. Chas. A. Stevens & Co., Chicago, Ill.
Filed May 20, 1949, Serial No. 579,224. Published Sept. 18, 1951. Class 39.

552,674. Thermally Insulated Food and Beverage Containers—Namely, Flasks, Jugs, Food Hampers, Picnic Baskets, and Outing Chests. Hemp and Company, Incorporated, Macomb, Ill.
Filed May 27, 1949, Serial No. 579,596. Published Oct. 2, 1951. Class 2.

552,675. Pharmaceutical Preparation Intended for Use in the Treatment of Endocrine Conditions. Schering Corporation, Bloomfield, N. J.
Filed May 27, 1949, Serial No. 579,626. Published Aug. 7, 1951. Class 18.

552,676. Twist Drills, Reamers, Milling Cutters, End Mills, Countersinks, Combination Drills and Countersinks, and Twist Drill Mounting Sleeves and Sockets. Greenfield Tap and Die Corporation, Greenfield, Mass.
Filed June 1, 1949, Serial No. 579,815. Published Oct. 2, 1951. Class 23.

552,677. Sets of Toy Miniature Replicas of Persons, Animals, Furniture, and Houses. Grey Iron Casting Company, Mount Joy, Pa.
Filed June 1, 1949, Serial No. 579,816. Published Sept. 18, 1951. Class 22.

552,678. Mineral and Vegetable Preparation in Powder Form for Feeding to Sheep. The United States Food Company, Cambridge, Ohio.
Filed June 9, 1949, Serial No. 580,217. Published Aug. 7, 1951. Class 18.

552,679. Feed-Compound Composed of Cereal Grains and Other Ingredients Suitable for Cattle, Hogs, and Other Animals. Staley Milling Company, North Kansas City, Mo.
Filed June 13, 1949, Serial No. 580,382. Published Oct. 9, 1951. Class 46.

552,680. Manually Actuated Pinking Shears. Pink-King Corporation, Bridgeport, Conn.
Filed June 15, 1949, Serial No. 580,510. Published Aug. 8, 1950. Class 23.

552,681. Chocolates. The Shotwell Mfg. Co., Chicago, Ill.
Filed Oct. 29, 1948, Serial No. 567,882. Published Sept. 18, 1951. Class 46.

552,682. In-Built Combination Broiler and Griddle for a Gas Range. Chambers Corporation, Shelbyville, Ind.
Filed Nov. 2, 1948, Serial No. 568,025. Published Oct. 2, 1951. Class 34.

552,683. Packaged Foods—Namely, Canned Shrimp, Canned Oysters, Etc. Robert Orr & Co., Inc., Nashville, Tenn., assignor, by mesne assignments, to Robert Orr & Company, Nashville, Tenn., a corporation of Tennessee.
Filed Nov. 9, 1948, Serial No. 568,442. Published Oct. 2, 1951. Class 46.

552,684. Traction Engines, Internal-Combustion Engines, and Structural Parts Thereof. Societe Anonyme André Citroën, Paris, France.
Filed Nov. 23, 1948, Serial No. 569,307. Published Sept. 18, 1951. Class 23.

552,685. Popcorn, Raw and Popped, and for Sale Sold for Use on Popcorn. Manley, Inc., Kansas City, Mo.
Filed Nov. 20, 1948, Serial No. 569,387. Published Jan. 24, 1950. Class 46.

552,686. Machines for Sawing, Cutting, Polishing and Drilling Rock and Stones for Use in Work Shops and Yards in the Construction of Bridges, Viaducts, Tunnels, Roads, Pavements, Dams, and the Like. "Sonnpar," Société de Participation, Société Anonyme, Luxemburg, Luxemburg.
Filed Dec. 11, 1948, Serial No. 570,387. Published Sept. 25, 1951. Class 23.

552,687. Miter Boxes, Levels, Squares, Plumb Bobs, Rules, Measuring Tapes, Calipers, Feeler Gauges, Protractors. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 16, 1948, Serial No. 570,650. Published Sept. 25, 1951. Class 26.

552,688. Spectacle Frames. Lord Optical Manufacturing Corporation, New York, N. Y.
Filed Dec. 21, 1948, Serial No. 570,901. Published Sept. 25, 1951. Class 26.

552,689. Wrenches, Pliers, Chisels, Tinners' Snips, Hack Saws, Smooth Planes, Block Planes, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 24, 1948, Serial No. 571,095. Published Nov. 7, 1950. Class 23.

552,690. Blow Torches and Plumbers' Portable Blast Furnaces. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 24, 1948, Serial No. 571,098. Published Sept. 25, 1951. Class 34.

552,691. Watches and Parts of Watches. Mulco, S. A., La Chaux-de-Fonds, Switzerland.
Filed Jan. 14, 1949, Serial No. 572,194. Published Sept. 11, 1951. Class 27.

552,692. Plastic Dinner Dishware. International Molded Plastics, Inc., Cleveland, Ohio.
Filed Jan. 17, 1949, Serial No. 572,305. Published May 16, 1950. Class 2.

552,693. Sweet and Sour Fish. Mother's Food Products, Inc., Newark, N. J.
Filed Jan. 18, 1949, Serial No. 572,371. Published Sept. 18, 1951. Class 46.

552,694. Oral Preparation Comprising a Synthetic Product Having a Corpus Luteum Effect Intended for Cases of Hormone Imbalance. Abbott Laboratories, North Chicago, Ill.
Filed June 16, 1949, Serial No. 580,567. Published Aug. 7, 1951. Class 18.

552,695. Men's, Women's, Misses', Children's and Infants' Outerwear, Underwear, Etc. Centrotex, Prague, Czechoslovakia.
Filed June 16, 1949, Serial No. 580,578. Published Sept. 11, 1951. Class 39.

552,696. Reinforced Plastic Sheets for Use as Walls, Roofs, Partitions, Outdoor Signs, Canopies and Awnings, Fixture Facings, Such as Restaurant and Bar Fixtures. Corrulux Corp., Houston, Tex.
Filed June 20, 1949, Serial No. 580,772. Published Sept. 18, 1951. Class 12.

552,697. Hand Operated Insecticide, Herbicide and Fungicide Sprayers, Portable Wheeled Sprayers—Group A; Garden Cultivators, Garden Cultivator Shovels, Garden Seeders, Garden Dusters, Weed Burners (Compressed Air Gasoline Flame Throwers), Fertilizer and Seed Spreaders—Group B. Sears, Roebuck and Co., Chicago, Ill.
Filed June 30, 1949, Serial No. 581,367. Published Sept. 25, 1951. Class 23.

552,698. Paper Drinking Cups. United States Envelope Company, Springfield, Mass.
Filed July 2, 1949, Serial No. 581,504. Published Oct. 2, 1951. Class 2.

552,699. Merchandise Envelopes—Namely, Metal Flap Envelopes and Expansion Envelopes. United States Envelope Company, Springfield, Mass.
Filed July 2, 1949, Serial No. 581,505. Published Oct. 2, 1951. Class 2.

552,700. Apparatus for Generating and Delivering Reagent Gas, Etc. Novadel-Agene Corporation, Belleville, N. J.
Filed July 6, 1949, Serial No. 581,562. Published Sept. 25, 1951. Class 34.

552,701. Antispasmodic. Bristol Laboratories Inc., New York and Syracuse, N. Y.
Filed July 9, 1949, Serial No. 581,705. Published Aug. 7, 1951. Class 18.

552,702. Wrist or Strap Watches. Bulova Watch Company, Inc., New York, N. Y.
Filed July 22, 1949, Serial No. 582,342. Published Sept. 4, 1951. Class 27.

552,703. Anti-Freeze Preparation. The McAlester Fuel Company, McAlester, Okla.
Filed July 29, 1949, Serial No. 582,693. Published Oct. 16, 1951. Class 6.

552,704. Packing House Equipment — Namely, Meat Trucks, Condemned Products Trucks; Etc. The Allbright-Nell Company, Chicago, Ill.
Filed Aug. 6, 1949, Serial No. 583,070. Published Sept. 25, 1951. Class 19.

552,705. Packing House Equipment—Namely, Sausage Measuring Fillers, Combination Measuring and Filling Apparatus. The Allbright-Nell Company, Chicago, Ill.
Filed Aug. 6, 1949, Serial No. 583,071. Published Sept. 25, 1951. Class 26.

552,706. Drafting Boards. The A. Lietz Co., San Francisco, Calif.
Filed Aug. 8, 1949, Serial No. 583,157. Published Sept. 11, 1951. Class 26.

552,707. Men's Dress Shirts, Sportswear—Namely, Sport Shirts and Slacks; and Pajamas. Samuel Berger, doing business as Montauk Shirt Company, New York, N. Y.
Filed Aug. 11, 1949, Serial No. 583,323. Published Sept. 18, 1951. Class 39.

552,708. Asphaltic Sealing Compounds. John F. McSwain, doing business as Industrial Asphalt Company, Berkeley, Calif.
Filed Aug. 13, 1949, Serial No. 583,438. Published Sept. 11, 1951. Class 12.

552,709. Automatic Coin Changing Machines. Sam May, doing business as Changemaster Eng. Co., Dallas, Tex.
Filed Aug. 15, 1949, Serial No. 583,485. Published Sept. 25, 1951. Class 26.

552,710. Preserved Fish, Canned Veal and Beef Roll, Preserved Fruits, Preserved Vegetables; Fish and Meat Pastes, Canned Soups, Pickles; Brown Fruit Sauce Composed of Tomatoes, Vinegar, Dates, Sugar, and Apples With Other Ingredients; Food Flavoring Essences, and Plum Pudding. Maconochie Brothers, Limited, London, England.
Filed Aug. 19, 1949, Serial No. 583,703. Published Sept. 11, 1951. Class 46.

552,711. Navigation Instruments — Namely, Gyrocompasses and Dead Reckoning Instruments; Etc. Arma Corporation, Brooklyn, N. Y.
Filed Aug. 20, 1949, Serial No. 583,724. Published Sept. 25, 1951. Class 26.

552,712. Packages, Boxes, and Shipping Cases Made of Wood, Corrugated Board, and Solid Fibre. T. R. Miller Mill Company, Inc., Brewton, Ala.
Filed Aug. 20, 1949, Serial No. 583,767. Published Oct. 2, 1951. Class 2.

552,713. Fudge Sauce for Use in or With Ice Cream or Ice Cream Confections. Gerald G. Balch, doing business as Balch Flavor Company, Pittsburgh, Pa.
Filed Aug. 24, 1949, Serial No. 583,908. Published Oct. 9, 1951. Class 46.

552,714. Men's, Women's, Boys', and Girls' Hosiery and Ladies' Underwear. Associated Knitters, Inc., Reading, Pa.
Filed Sept. 13, 1949, Serial No. 584,745. Published Oct. 9, 1951. Class 39.

552,715. Dressed Calves. Armour and Company, Chicago, Ill.
Filed Sept. 16, 1949, Serial No. 584,887. Published Sept. 11, 1951. Class 46.

552,716. Women's, Children's, and Men's Hats. Best & Co., Inc., New York, N. Y.
Filed Aug. 26, 1949, Serial No. 584,953. Published Sept. 11, 1951. Class 39.

552,717. Combination Coaster and Ash Tray Formed of Glass and Non-Precious Metal. The Elmore Silver Co., Inc., Meriden, Conn., assignor to The Buckingham Silver Co., a corporation of Connecticut.
Filed Sept. 17, 1949, Serial No. 584,979. Published Oct. 9, 1951. Class 8.

552,718. Tobacco Ash Receptacles of the Floor Type, Made of Base Metal and Composition Materials. Chicago Metallic Manufacturing Co., Chicago, Ill.
Filed Sept. 20, 1949, Serial No. 585,053. Published Oct. 2, 1951. Class 32.

552,719. Metal Receptacles—Namely, Salt and Pepper Shakers, Match Boxes for Kitchen Use, Canisters, Waste Baskets, Flour Bins, Stepon Cans, Bread Boxes, and Cake Closets. Harper J. Ransburg Co., Inc., Indianapolis, Ind.
Filed Sept. 21, 1949, Serial No. 585,144. Published Oct. 2, 1951. Class 2.

552,720. Raw Popcorn. Central Popcorn Company, Schaller, Iowa.
Filed Sept. 27, 1949, Serial No. 585,368. Published July 18, 1950. Class 46.

552,721. Prepared Fish in Sausage Form. Davis Bros. Fisheries Co., Inc., Gloucester, Mass.
Filed Sept. 28, 1949, Serial No. 585,435. Published Sept. 11, 1951. Class 46.

552,722. Prepared Fish in Sausage Form. Davis Bros. Fisheries Co., Inc., Gloucester, Mass.
Filed Sept. 28, 1949, Serial No. 585,438. Published Sept 18, 1951. Class 46.

552,723. Encased Set of Instruments for Mechanical Drawing—Namely, Dividers, Pen and Pencil Compasses, and Ruling Pens. The Frederick Post Company, Chicago, Ill.
Filed Sept. 29, 1949, Serial No. 585,521. Published Oct. 2, 1951. Class 26.

552,724. Encased Set of Instruments for Mechanical Drawing—Namely, Dividers, Pen and Pencil Compasses, and Ruling Pens. The Frederick Post Company, Chicago, Ill.
Filed Sept. 29, 1949, Serial No. 585,522. Published Sept. 11, 1951. Class 26.

552,725. Medicinal Compound for Use in the Treatment of Sore and Bleeding Gums Due to Acute or Chronic Gum Infection. John T. Towns, doing business as Broma C. Towns, Huttig, Ark.
Filed Sept. 30, 1949, Serial No. 585,613. Published Aug. 7, 1951. Class 18.

552,726. Meat Tenderizers. SirSteak Machinery, Inc., Acton, Mass.
Filed Oct. 15, 1949, Serial No. 586,366. Published Aug. 28, 1951. Class 23.

552,727. Leaf Tobacco. Union Trading Company, Ltd., Basel Switzerland.
Filed Oct. 15, 1949, Serial No. 586,371. Published Oct. 9, 1951. Class 17.

552,728. Leaf Tobacco. Union Trading Company, Ltd., Basel, Switzerland.
Filed Oct. 15, 1949, Serial No. 586,378. Published Oct. 9, 1951. Class 17.

552,729. Cotton Fibre Sacks for Flour and for All Types of Animal Feed. Ames Harris—Neville Co., San Francisco, Calif.
Filed Oct. 21, 1949, Serial No. 586,617. Published Oct. 9, 1951. Class 2.

552,730. Wheat Flour. Capitol Milling Company, Los Angeles, Calif.
Filed Oct. 27, 1949, Serial No. 586,911. Published Sept. 18, 1951. Class 46.

552,731. Agricultural Implements—Namely, Stalk Cutters of the Wheeled Type To Be Drawn by a Tractor or the Like. Schield Bantam Company, Waverly, Iowa.
Filed Oct. 27, 1949, Serial No. 586,940. Published Aug. 28, 1951. Class 23.

552,732. Fluid Actuated Instrument for Measuring the Temperature or Pressure Value of a Medium and Converting This Measurement Into a Corresponding Pneumatic Pressure for Actuating a Pneumatically Operated Receiver for Indicating, Recording, or Controlling of the Measured Value. Taylor Instrument Companies, Rochester, N. Y.
Filed Nov. 4, 1949, Serial No. 587,368. Published Sept. 25, 1951. Class 26.

552,733. Chronometers and Watches. Abercrombie & Fitch Company, New York, N. Y.
Filed Nov. 15, 1949, Serial No. 587,781. Published Sept. 11, 1951. Class 27.

552,734. Butter, Cheese, Edible Fats and Oils, Vinegar, Table Salt; Condiments—Namely, Pepper, Paprika and Spices, and Culinary Herbs; Yeast, Ice Cream, and Olive Oil. Societe Anonyme Georges Lesieur & Ses Fils, Paris, France.
Filed Nov. 18, 1949, Serial No. 588,051. Published Sept. 11, 1951. Class 46.

552,735. Axes, Adzes, Hatchets, Hand Saws, Auger Bits, Etc. King Hardware Company, Atlanta, Ga.
Filed Nov. 19, 1949, Serial No. 588,099. Published Sept. 25, 1951. Class 23.

552,736. Wooden and Plastic Serving Trays. Identatray Corporation, New York, N. Y.
Filed Nov. 29, 1949, Serial No. 588,492. Published Oct. 2, 1951. Class 2.

552,737. Poultry—Namely, Frozen and Fresh Dressed Turkeys. California Turkey Growers Association, San Francisco, Calif.
Filed Nov. 30, 1949, Serial No. 588,547. Published Oct. 9, 1951. Class 46.

552,738. Hats and Hat Bodies Made of Hair, Wool, Felt, or Velour Felt. Tonak, továrny na klobouky, národni podnik, Novy Jicin, Czechoslovakia.
Filed Nov. 30, 1949, Serial No. 588,607. Published Sept. 18, 1951. Class 39.

552,739. Wiping Attachment for Printing Press for Printing From Intaglio Engraved Plates and Dies Comprising the Feed Mechanism for the Belt, Including Various Gears and Rollers and the Belt Itself and the Means for Removing Ink From the Belt So That the Ink Can Be Reused. The Cronite Co., Inc., New York, N. Y.
Filed Dec. 3, 1949, Serial No. 588,747. Published Sept. 18, 1951. Class 23.

552,740. Men's, Women's, Misses' and Children's Caps; Hats; Shoes of Leather, Etc. William Skinner & Sons, Holyoke, Mass., and New York, N. Y.
Filed Dec. 9, 1949, Serial No. 589,120. Published Sept. 25, 1951. Class 39.

552,741. Hats and Hat Bodies Made of Hair, Wool, Felt, or Velour Felt. Tonak, továrny na klobouky, národni podnik, Novy Jicin, Czechoslovakia.
Filed Dec. 9, 1949, Serial No. 589,128. Published Sept. 18, 1951. Class 39.

552,742. Tethered Ball Toys—Namely, a Toy to Which Are Attached a Pair of Cups and a String Having a Ball Attached to Its Outer End, Said Ball Adapted To Be Reciprocated Between Said Cups. Sandy Lang, Chicago, Ill.
Filed Dec. 17, 1949, Serial No. 589,515. Published Sept. 18, 1951. Class 22.

552,743. Butter. American Stores Company, Philadelphia, Pa.
Filed Dec. 21, 1949, Serial No. 589,702. Published Oct. 2, 1951. Class 46.

552,744. Coffee. Holland House Coffee and Tea Corp., Long Island City, N. Y., assignee of Eppens, Smith Company, Inc.
Filed Nov. 8, 1949, Serial No. 589,933. Published Oct. 9, 1951. Class 46.

552,745. Automatic Hose Winding Machines and Housings Therefor, Etc. John Wood Company, New York, N. Y., and Muskegon Heights, Mich.
Filed Jan. 7, 1950, Serial No. 590,538. Published Oct. 9, 1951. Class 23.

552,746. Automatic Hose Winding Machines and Housings Therefor, Etc. John Wood Company, New York, N. Y., and Muskegon Heights, Mich.
Filed Jan. 7, 1950, Serial No. 590,540. Published Oct. 2, 1951. Class 23.

552,747. Automatic Hose Winding Machines and Housings Therefor, Etc. John Wood Company, New York, N. Y., and Muskegon Heights, Mich.
Filed Jan. 7, 1950, Serial No. 590,541. Published Oct. 9, 1951. Class 23.

552,748. Machines for Winding Paper, Cellulose or Other Materials on to Spools, and Machines for Cutting Out, Printing and Manufacturing Sacks and Bags and Parts of All Such Machines. Les Ateliers de Constructions Mecaniques C. & A. Holweg, Strasbourg, France.
Priority under Sec. 44(d). French Registration No. 460,383, filed Oct. 25, 1949.
Filed Jan. 14, 1950, Serial No. 590,900. Published Aug. 28, 1951. Class 23.

552,749. Suggestion Box. Leroy G. Mills, doing business as The Leroy G. Mills Company, New York, N. Y.
Filed Jan. 14, 1950, Serial No. 590,906. Published Oct. 9, 1951. Class 2.

552,750. Motor Cars. The Standard Motor Company Limited, Coventry, England.
Filed Jan. 19, 1950, Serial No. 591,117. Published Sept. 25, 1951. Class 19.

552,751. Spring Hydraulic Closing Pumps, Automatic Door Openers and Door Closers, and Hydraulic Jacks. Ideal Bridge Hardware Co., Inc., New York, N. Y.
Filed Jan. 26, 1950, Serial No. 591,451. Published Sept. 18, 1951. Class 23.

552,752. Candy. M. J. Holloway & Co., Chicago, Ill.
Filed Jan. 26, 1950, Serial No. 591,481. Published Sept. 18, 1951. Class 46.

552,753. Writing Desks, Tables, Chairs, Settees, Lounges, Dinette Suites, Steel Lockers, Steel Shelving Sold in Sets of Shelves and as Shelving Units, Filing Cabinets, Seating Booths, Cushions, Costumers, Smoking Stands, Stools, Newspaper Holders Made of Wood for Holding Newspapers in Libraries and the Like, Magazine Racks, Ottomans, Stationery Cabinets for Office Use, and Storage Cabinets for Home Use. The Military Service Company, Birmingham, Ala.
Filed Jan. 26, 1950, Serial No. 591,503. Published Oct. 9, 1951. Class 32.

552,754. Plastic Dispensing Gun-Type Hand Tool. Vital Products Manufacturing Company, Cleveland, Ohio.
Filed Feb. 1, 1950, Serial No. 591,817. Published Aug. 28, 1951. Class 23.

552,755. Clutch. W. S. K. Incorporated, Detroit, Mich.
Filed Feb. 1, 1950, Serial No. 591,819. Published Aug. 28, 1951. Class 23.

552,756. Surface Coated Fiber Composition Board and Blocks. Minnesota and Ontario Paper Company, Minneapolis, Minn.
Filed Feb. 3, 1950, Serial No. 591,946. Published Sept. 18, 1951. Class 12.

552,757. Refractory Crucibles for Metal Melting, and Pedestals for Supporting Such Crucibles While in a Furnace. Electro Refractories & Alloys Corporation, Buffalo, N. Y., now by change of name Electro Refractories & Abrasives Corporation, a corporation of Delaware.
Filed Feb. 4, 1950, Serial No. 591,981. Published Oct. 2, 1951. Class 34.

552,758. Anti-Histamine Tablets for Symptomatic Relief of Colds and Hay Fever. Brown Manufacturing Co., Le Roy, N. Y.
Filed Feb. 8, 1950, Serial No. 592,123. Published Aug. 7, 1951. Class 18.

552,759. Cabinet Type Steam and Hot Water Washers and Sterilizers for Garbage and Waste Cans. Washburn & Granger, Inc., New York, N. Y.
Filed Feb. 9, 1950, Serial No. 592,239. Published Sept. 18, 1951. Class 23.

552,760. Shelled and Unshelled, Salted and Unsalted Mixed Nuts. Edwards-Freeman, Inc., Philadelphia, Pa.
Filed Mar. 2, 1950, Serial No. 593,267. Published Oct. 9, 1951. Class 46.

552,761. Medical Preparation—Namely, an Antiseptic Solution for Preoperative Preparation of the Skin. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Mar. 2, 1950, Serial No. 593,286. Published Aug. 14, 1951. Class 18.

552,762. Mattresses and Box Springs. Sealy, Incorporated, Chicago, Ill.
Filed Mar. 4, 1950, Serial No. 593,448. Published Sept. 25, 1951. Class 32.

552,763. Candy Coated Popcorn. Prize-Pop Confections, Inc., Tullahoma, Tenn.
Filed Mar. 6, 1950, Serial No. 593,499. Published Oct. 9, 1951. Class 46.

552,764. Watches, Watch Cases, and Watch Movements. The Gruen Watch Company, Cincinnati, Ohio.
Filed Feb. 17, 1950, Serial No. 593,638. Published Aug. 28, 1951. Class 27.

552,765. Scissors—Namely, Pinking Shears. W. L. W. Grinding and Manufacturing Company, Inc., Chicago, Ill.
Filed Mar. 10, 1950, Serial No. 593,759. Published Sept. 18, 1951. Class 23.

552,766. Pharmaceutical Products for Human Use Containing Sodium Naphthionate for Use as a General Hemostatic Administered by Intravenous or Intramuscular Injection. Laboratoir Om Societe Anonyme, Geneva, Switzerland.
Filed Mar. 13, 1950, Serial No. 593,877. Published Sept. 11, 1951. Class 18.

552,767. Raw Potatoes. Northern Valley Packing Corporation, Hollandale, Minn.
Filed Mar. 13, 1950, Serial No. 593,880. Published Oct. 2, 1951. Class 46.

552,768. Hosiery for Men, Women, and Children. May Hosiery Mills, Nashville, Tenn.
Filed Mar. 14, 1950, Serial No. 593,928. Published Oct. 9, 1951. Class 39.

552,769. Stapling Machines. The Bates Manufacturing Company, West Orange, N. J.
Filed Mar. 18, 1950, Serial No. 594,190. Published Sept. 4, 1951. Class 23.

552,770. Toy Sewing Kit for Doll Outfits and Doll Clothes Patterns. Kathryn Kelley Recordcraft, Bedford Hills, N. Y.
Filed Mar. 22, 1950, Serial No. 594,382. Published Sept. 25, 1951. Class 22.

552,771. Pinking Attachments for Industrial Sewing Machine Comprising Rotary Cutting Elements, Mechanically Actuated by the Sewing Machine. Chester Machine Corporation, Chatham, N. Y.
Filed Mar. 23, 1950, Serial No. 594,437. Published Aug. 22, 1950. Class 23.

552,772. Men's Shirts. S. Dennis Inc., New York, N. Y.
Filed Mar. 23, 1950, Serial No. 594,438. Published Feb. 13, 1951. Class 39.

552,773. Men's Hats. The Trimble Hat Company, Minneapolis, Minn.
Filed Apr. 1, 1950, Serial No. 595,105. Published Sept. 18, 1951. Class 39.

552,774. Men's and Boys' Underwear. Sears, Roebuck and Co., Chicago, Ill.
Filed Apr. 3, 1950, Serial No. 595,155. Published Oct. 9, 1951. Class 39.

552,775. Cigars. Thompson & Company, Inc., Tampa, Fla.
Filed Apr. 12, 1950, Serial No. 595,627. Published Sept. 25, 1951. Class 17.

552,776. Manually Operable Portable Hoists. Lincoln Precision Machining Company—Hoist Division, North Grafton, Mass.
Filed Apr. 22, 1950, Serial No. 596,172. Published Sept. 4, 1951. Class 23.

552,777. Honing Tools and Parts Thereof—Namely, a Head and Driver, Etc. Sunnen Products Company, St. Louis, Mo.
Filed Apr. 24, 1950, Serial No. 596,245. Published Sept. 18, 1951. Class 23.

552,778. Carbureter and Fuel Line Conditioner Used To Clean Carbureters, To Dissolve Gum and Varnish in Carburetors and Fuel Lines, To Eliminate Water in the Fuel System, and as a Gas Tank Antifreeze. Rust Master Chemical Company, Cambridge, Mass.
Filed Apr. 25, 1950, Serial No. 596,298. Published Sept. 4, 1951. Class 52.

552,779. Woolen Piece Goods. Forstmann Woolen Co., Passaic, N. J.
Filed Apr. 27, 1950, Serial No. 596,409. Published Oct. 9, 1951. Class 42.

552,780. Engine Driven Air Compressors. Schramm, Inc., West Chester, Pa.
Filed May 4, 1950, Serial No. 596,869. Published Sept. 4, 1951. Class 23.

552,781. Cotton Waste for Use as a Cleaning or Wiping Material, and Also for Use as Filling or Batting for Furniture Upholstery, Mattresses, Bedding, and Automobile Seats. Green Textile Associates, Incorporated, Boston, Mass.
Filed May 5, 1950, Serial No. 596,913. Published Oct. 9, 1951. Class 1.

552,782. Meters, Gauges, and Controlling Valves Having Meters as a Part Thereof, for Indicating and Totalizing the Flow of Fluids or Gasses Through Conduits. W. E. Anderson, Inc., Kansas City, Mo.
Filed May 8, 1950, Serial No. 597,054. Published Oct. 2, 1951. Class 26.

552,783. Electrically Operated Lawn Mower. The Huffman Manufacturing Company, Dayton, Ohio.
Filed May 8, 1950, Serial No. 597,080. Published Sept. 18, 1951. Class 23.

552,784. Salad Dressing. Frank D. Witter, Genoa, Ill.
Filed May 15, 1950, Serial No. 597,480. Published Oct. 9, 1951. Class 46.

552,785. Cigars, Cigarettes, and Smoking and Chewing Tobacco. Petri Wine Company, doing business as Petri Cigar Company, San Francisco, Calif.
Filed May 20, 1950, Serial No. 597,840. Published Sept. 25, 1951. Class 17.

552,786. Smoked Turkeys, Smoked Hams, Smoked Bacon, Smoked Sausage, Smoked Beef Chips, and Smoked Cheese. Jugtown Mountain Smokehouse, Flemington, N. J.
Filed May 22, 1950, Serial No. 597,885. Published Oct. 9, 1951. Class 46.

552,787. Dolls. Ideal Novelty & Toy Co., New York, N. Y., now by change of name Ideal Toy Corporation, a corporation of New York.
Filed May 26, 1950, Serial No. 598,187. Published Sept. 18, 1951. Class 22.

552,788. Transmission Rebuilding Parts Kits. Warehousing Service Co., doing business as Service Gear Company, Chicago, Ill.
Filed May 27, 1950, Serial No. 598,283. Published Aug. 28, 1951. Class 23.

552,789. Window Draperies, Bed Spreads, Vanity Skirts, and Pillow Shams, and Ensembles Thereof of Plastic Sheet Material. Cloverly Plastics Inc., New York, N. Y.
Filed May 29, 1950, Serial No. 598,293. Published Oct. 9, 1951. Class 42.

552,790. Heat Transfer Units Having Batteries of Tubes Transversely Arranged in Air Channels, Etc. Young Radiator Company, Racine, Wis.
Filed May 31, 1950, Serial No. 598,405. Published Oct. 2, 1951. Class 34.

552,791. Heat Transfer Units Having Batteries of Tubes Transversely Arranged in Air Channels Formed Between Closely-Spaced Metal Strips, Etc. Young Radiator Company, Racine, Wis.
Filed May 31, 1950, Serial No. 598,407. Published Sept. 18, 1951. Class 34.

552,792. Heat Transfer Units Having Batteries of Tubes Transversely Arranged in Air Channels Formed Between Closely-Spaced Metal Strips, Etc. Young Radiator Company, Racine, Wis.
Filed May 31, 1950, Serial No. 598,408. Published Sept. 18, 1951. Class 34.

552,793. Mattresses. Guy B. Stasio, doing business under the firm name and style of Guy Millo Co., New York, N. Y.
Filed June 10, 1950, Serial No. 599,065. Published Oct. 2, 1951. Class 32.

552,794. Motor Cycles. Triumph Engineering Company Limited, Coventry, England.
Filed June 15, 1950, Serial No. 599,201. Published Sept. 25, 1951. Class 19.

552,795. Liquid Adhesive Used for Restoring the Adhesive Properties to Adhesive Tape. Posees, Inc., Jersey City, N. J.
Filed June 16, 1950, Serial No. 599,256. Published Sept. 4, 1951. Class 5.

552,796. Seamless Barrel Swivels, Safety Snap Swivels, Lockfast Swivels, Crossline Single Snap Swivels, and Other Combinations Where the Swivels of This Type Are Used in Connection With Other Fishing Tackle Accessories. Art Wire & Stamping Co., Newark, N. J.
Filed July 5, 1950, Serial No. 600,207. Published Oct. 2, 1951. Class 22.

552,797. General Purpose Concentrated Liquid Adhesive. Service Industries (a trust), Philadelphia, Pa.
Filed July 5, 1950, Serial No. 600,230. Published Sept. 4, 1951. Class 5.

552,798. Hats for Men, Women, and Children. Tonak, Továrny na klobouky, národní podnik, Novy Jicin, Czechoslovakia.
Filed July 6, 1950, Serial No. 600,313. Published Sept. 18, 1951. Class 39.

552,799. Blended Sauce of Fruits, Vegetables, and Spice for Use With Food. Pickapeppa Company, Ltd., Shooters Hill, Jamaica, British West Indies.
Filed Aug. 30, 1950, Serial No. 600,548. Published Oct. 9, 1951. Class 46.

552,800. Toilet Water, Perfume, Rouge, Lipstick, Nail Polish, and Face and Dusting Powders. Elizabeth Arden Sales Corporation, New York, N. Y.
Filed July 17, 1950, Serial No. 600,754. Published Sept. 18, 1951. Class 51.

552,801. Detergent for General Household Use. Auto Chlor System, Inc., Memphis, Tenn.
Filed July 17, 1950, Serial No. 600,757. Published Sept. 4, 1951. Class 52.

552,802. Vests. Tru-Gan Manufacturing Co., Inc., Cleveland, Ohio.
Filed July 18, 1950, Serial No. 600,864. Published Sept. 18, 1951. Class 39.

552,803. Ladies' Fur Coats, Fur Jackets, Fur Capes, Fur Scarfs, Fur Linings. Madeline Furs, Ltd., New York, N. Y.
Filed July 21, 1950, Serial No. 601,055. Published Sept. 18, 1951. Class 39.

552,804. Dress and Suit Fabrics of Cotton, Wool and Synthetic Fibers. Glen Raven Cotton Mills, Inc., Glen Raven, N. C.
Filed July 27, 1950, Serial No. 601,323. Published Oct. 9, 1951. Class 42.

552,805. Pizza Pie. Bacino Pizza Food Products Co., Inc., Calumet City, Ill.
Filed July 29, 1950, Serial No. 601,418. Published Sept. 18, 1951. Class 46.

552,806. Tanks Made of Metal or Concrete for Air and Other Gases. The Victaulic Company Limited, London, England.
Filed Aug. 4, 1950, Serial No. 601,762. Published Oct. 2, 1951. Class 2.

552,807. Bedroom Furniture—Namely, Beds, Chests of Drawers, Etc. J. E. King Manufacturing Co., Springfield, Mo.
Filed Aug. 7, 1950, Serial No. 601,831. Published Oct. 2, 1951. Class 32.

552,808. Canned Fish. Balfour-Guthrie & Co. Limited, Portland, Oreg.
Filed Aug. 8, 1950, Serial No. 601,881. Published Aug. 28, 1951. Class 46.

552,809. Down-Filled Comforts and Quilts. Star Bedding Co., St. Louis, Mo.
Filed Aug. 10, 1950, Serial No. 602,073. Published Oct. 9, 1951. Class 42.

552,810. Cigars. Wolf Bros. & Co., Red Lion, Pa.
Filed Aug. 11, 1950, Serial No. 602,117. Published Oct. 2, 1951. Class 17.

552,811. Cowboy Boots. Service Manufacturing Co., Inc., New York, N. Y.
Filed Aug. 14, 1950, Serial No. 602,168. Published Sept. 18, 1951. Class 39.

552,812. Layettes, Including Clothing and Equipment, for Dolls. The Sun Rubber Company, Barberton, Ohio.
Filed Aug. 15, 1950, Serial No. 602,228. Published Sept. 18, 1951. Class 22.

552,813. Perfumes. Goya Incorporated, New York, N. Y.
Filed Aug. 24, 1950, Serial No. 602,687. Published Sept. 25, 1951. Class 51.

552,814. Cigarettes. Fleming-Hall Tobacco Co., Inc., New York, N. Y.
Filed Aug. 14, 1950, Serial No. 602,727. Published Aug. 14, 1951. Class 17.

552,815. Calfskin Leather in the Piece, for Use in the Manufacture of Garments for Men and Women and Handbags for Women. Crease and Cook Company, Danvers, Mass.
Filed Aug. 29, 1950, Serial No. 602,891. Published Oct. 9, 1951. Class 1.

552,816. Hosiery for Women and Girls. Rosedale Knitting Company, Reading, Pa.
Filed Sept. 6, 1950, Serial No. 603,207. Published Oct. 9, 1951. Class 39.

552,817. Motion Pictures for Educational and Advertising Purposes. Minneapolis-Honeywell Regulator Company, Minneapolis, Minn.
Filed Sept. 20, 1950, Serial No. 603,805. Published Sept. 25, 1951. Class 26.

552,818. Fuel Oil Heaters. John G. Frost, doing business under the name of Superior Engineering Company, Seattle, Wash.
Filed Sept. 26, 1950, Serial No. 603,989. Published Sept. 25, 1951. Class 34.

552,819. Motion Pictures. Gulf Coast Films, Inc., Houston, Tex.
Filed Sept. 26, 1950, Serial No. 603,997. Published Sept. 25, 1951. Class 26.

552,820. Paper Bags. International Paper Company, New York, N. Y.
Filed Sept. 26, 1950, Serial No. 604,003. Published Oct. 2, 1951. Class 2.

552,821. Manually Operated Mechanical Jacks for Motor Vehicles. The Triangle Jack Company, Inc., Wichita, Kans.
Filed Oct. 9, 1950, Serial No. 604,670. Published Sept. 4, 1951. Class 23.

552,822. Medicinal Preparation Intended for Treatment of Diarrhea. Allied Drugs, Inc., Hackensack, N. J.
Filed Oct. 10, 1950, Serial No. 604,679. Published July 24, 1951. Class 18.

552,823. Agricultural Machinery and Implements for Soil Tillage, Etc. Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Filed Oct. 16, 1950, Serial No. 604,949. Published Sept. 18, 1951. Class 23.

552,824. Horseradish. Ben H. Bernheisel, Milford, Ohio.
Filed Dec. 20, 1950, Serial No. 607,890. Published Sept. 18, 1951. Class 46.

552,825. Salad and Cooking Oil. Lookout Oil & Refining Company, Chattanooga, Tenn.
Filed Dec. 23, 1950, Serial No. 608,044. Published Oct. 16, 1951. Class 46.

552,826. Watches. American Jewelry Distributors, Inc., New York, N. Y.
Filed Dec. 27, 1950, Serial No. 608,096. Published Sept. 11, 1951. Class 27.

552,827. Disposable Fountain Syringes. Kleenpak Incorporated, Atlanta, Ga.
Filed Dec. 28, 1950, Serial No. 608,170. Published Oct. 9, 1951. Class 44.

552,828. Foot Corrective Appliances—Namely, Arch Braces and Ankle and Foot Braces. Jung Products Inc., Cincinnati, Ohio.
Filed Dec. 26, 1950, Serial No. 608,190. Published Oct. 9, 1951. Class 44.

552,829. Medicinal Preparation of Antibiotic Drugs for the Treatment of Diseases Caused by Micro-Organisms. Casimir Funk Laboratories, Inc., New York, N. Y.
Filed Jan. 2, 1951, Serial No. 608,272. Published Sept. 11, 1951. Class 18.

552,830. Walking Heels for Use in Conjunction With Leg Casts and Leg Splints, Splints and Intravenous Boards. C. A. Wiltrout Mfg. Co., St. Paul, Minn.
Filed Jan. 2, 1951, Serial No. 608,293. Published Oct. 9, 1951. Class 44.

552,831. Cigarettes. Philip Morris & Co. Ltd., Incorporated, New York, N. Y.
Filed Jan. 6, 1951, Serial No. 608,464. Published Oct. 9, 1951. Class 17.

552,832. Small, Individual, Waterproof Plastic Covered, Decorative Seat Cushions for Casual Use on Small Pleasure Boats and Canoes. Neptune Specialties, Inc., Tampa, Fla.
Filed Jan. 11, 1951, Serial No. 608,665. Published Sept. 25, 1951. Class 32.

552,833. Fresh Vegetables. Albert J. Ashkar, also doing business as Albert J. Ashkar Co., Los Angeles, Calif.
Filed Jan. 16, 1951, Serial No. 608,807. Published Oct. 9, 1951. Class 46.

552,834. Pressure Tank Sprinkler System Storage Tanks. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio.
Filed Jan. 17, 1951, Serial No. 608,848. Published Oct. 9, 1951. Class 2.

552,835. Paper Bags. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed Jan. 18, 1951, Serial No. 608,932. Published Oct. 2, 1951. Class 2.

552,836. Paper Bags. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed Jan. 18, 1951, Serial No. 608,933. Published Oct. 2, 1951. Class 2.

552,837. Dog and Cat Food. Louis Rosenberg, trading as Modern Food Process Co., Philadelphia, Pa.
Filed Jan. 19, 1951, Serial No. 609,002. Published Oct. 9, 1951. Class 46.

552,838. Apparatus for Collecting Fractions or Samples of Materials for Chromatographic Analysis or Other Purposes, and Accessories Therefor—Namely, Drop-Counter Control Units, Drop-Counter Multiplying Device, Totalizing Counters, and Multiple Funnel Supports. The Technicon Company, New York, N. Y.
Filed Jan. 22, 1951, Serial No. 609,109. Published Sept. 25, 1951. Class 26.

552,839. Fresh Vegetables. King Maljan & Company, El Centro, Calif.
Filed Jan. 23, 1951, Serial No. 609,135. Published Oct. 9, 1951. Class 46.

552,840. Paper Cones and Paper Tubes Adapted and Intended To Receive and Carry on Their Outer Surface a Body Composed of Windings of Yarn or Other Material, Etc. Sonoco Products Company, Hartsville, S. C.
Filed Jan. 23, 1951, Serial No. 609,149. Published Oct. 9, 1951. Class 2.

552,841. Canned Asparagus and Canned Corn. Green Giant Company, Le Sueur, Minn.
Filed Jan. 27, 1951, Serial No. 609,295. Published Oct. 2, 1951. Class 46.

552,842. Cigars. La Primadora Cigar Corporation, New York, N. Y.
Filed Jan. 27, 1951, Serial No. 609,342. Published Oct. 9, 1951. Class 17.

552,843. Manually-Operated Sprayers, for Diffusing and Spraying Insecticides, Fungicides, Disinfectants, Deodorants, Cold Water Paints, Whitewash, and Similar Preparations in Sprayable Form. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed Feb. 14, 1951, Serial No. 610,072. Published Aug. 28, 1951. Class 23.

552,844. Photographic Objective Lenses. Bausch & Lomb Optical Company, Rochester, N. Y.
Filed Feb. 17, 1951, Serial No. 610,198. Published Sept. 25, 1951. Class 26.

552,845. Brassières. Quest-Shon Mark Brassiere Co., Inc., Brooklyn, N. Y.
Filed Feb. 17, 1951, Serial No. 610,229. Published Oct. 9, 1951. Class 39.

552,846. Fireplace Fixture or Front Consisting of a Metal and Glass Screen for Radiating Heat. Thermo-Rite Manufacturing Company, Akron, Ohio.
Filed Mar. 15, 1951, Serial No. 611,384. Published Sept. 25, 1951. Class 34.

552,847. Gas-Fired, Forced Air Unit Heater. Norman Products Company, Columbus, Ohio.
Filed Mar. 23, 1951, Serial No. 611,715. Published Sept. 25, 1951. Class 34.

552,848. Fabrics in the Piece Made of Nylon Yarn. Simon, Healey & Goldstein, Inc., New York, N. Y.
Filed Apr. 9, 1951, Serial No. 612,418. Published Oct. 9, 1951. Class 42.

552,849. Woolen Piece Goods. Botany Mills, Inc., Passaic, N. J.
Filed Apr. 12, 1951, Serial No. 612,530. Published Sept. 11, 1951. Class 42.

552,850. Electrical Transmission Lines. The American Steel and Wire Company of New Jersey, Cleveland, Ohio.
Filed Apr. 13, 1951, Serial No. 612,576. Published Oct. 9, 1951. Class 21.

552,851. Electrical Connectors. Burndy Engineering Company, Inc., New York, N. Y.
Filed Apr. 13, 1951, Serial No. 612,585. Published Oct. 9, 1951. Class 21.

552,852. Worsted Cloth. Oregon Worsted Co., Portland, Oreg.
Filed Apr. 17, 1951, Serial No. 612,755. Published Oct. 9, 1951. Class 42.

552,853. Woolen Fabrics in the Piece. Pacific Mills, Boston, Mass., and New York, N. Y.
Filed Apr. 18, 1951, Serial No. 612,821. Published Oct. 9, 1951. Class 42.

552,854. Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Combinations Thereof. Hego Fabrics, Inc., New York, N. Y.
Filed Apr. 20, 1951, Serial No. 612,910. Published Oct. 9, 1951. Class 42.

552,855. Cotton Piece Goods. J. P. Stevens & Co., Inc., New York, N. Y.
Filed Apr. 24, 1951, Serial No. 613,089. Published Oct. 9, 1951. Class 42.

552,856. Electric Spotlights, and Parts Thereof. The Strong Electric Corporation, Toledo, Ohio.
Filed Apr. 24, 1951, Serial No. 613,092. Published Oct. 16, 1951. Class 21.

552,857. Towels. Barker Bros. Corporation, Los Angeles, Calif.
Filed Apr. 27, 1951, Serial No. 613,209. Published Oct. 9, 1951. Class 42.

552,858. Blankets. Barker Bros. Corporation, Los Angeles, Calif.
Filed Apr. 27, 1951, Serial No. 613,210. Published Oct. 9, 1951. Class 42.

552,859. Optical Instrument and Parts Thereof Consisting of a Goggle Type Periscope Sighting Instrument for Attachment to the Head of a Pilot To Limit His Vision to the Instrument Panel of an Airplane, and Employed in the Teaching and Testing of Pilots in the Art of Instrument Operation of an Airplane. Gerald C. Francis, Lansing, Mich.
Filed Oct. 18, 1950, Serial No. 605,093. Published Sept. 25, 1951. Class 26.

552,860. Textile Carpets and Rugs. The Magee Carpet Company, Bloomsburg, Pa.
Filed Oct. 24, 1950, Serial No. 605,364. Published Oct. 9, 1951. Class 42.

552,861. Supports for Pneumatic Rock Drills. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y.
Filed Oct. 27, 1950, Serial No. 605,482. Published Oct. 2, 1951. Class 23.

552,862. Watches and Watch Movements. Heloisa Societe Anonyme, Longeau, Berne, Switzerland.
Priority under Sec. 44(d). Swiss Registration No. 134,707, filed Aug. 11, 1950.
Filed Oct. 30, 1950, Serial No. 605,585. Published Sept. 11, 1951. Class 27.

552,863. Chairs. New England Bedding Company, Medford, Mass.
Filed Nov. 1, 1950, Serial No. 605,756. Published Sept. 25, 1951. Class 32.

552,864. Non-Metallic Brake Linings and Clutch Facings. Pan American Trade Development Corp., New York, N. Y.
Filed Nov. 3, 1950, Serial No. 605,868. Published Oct. 9, 1951. Class 35.

552,865. Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres, and Mixtures Thereof. D. B. Fuller & Co., Inc., New York, N. Y.
Filed Nov. 7, 1950, Serial No. 606,009. Published Oct. 9, 1951. Class 42.

552,866. Powdered Egg Product To Be Used as a Substitute for Fresh or Frozen Eggs and Comprising Egg Yolk, Vegetable Shortening, Milk Solids, and Sugar. Standard Milling Company, Chicago, Ill.
Filed Nov. 7, 1950, Serial No. 606,058. Published Sept. 18, 1951. Class 46.

552,867. Combined Tanks and Heating Medium for Heating Road Building Material. Tarrant Manufacturing Company, Saratoga Springs, N. Y.
Filed Nov. 7, 1950, Serial No. 606,063. Published Oct. 2, 1951. Class 34.

552,868. Soap. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,118. Published Sept. 4, 1951. Class 52.

552,869. Salad Dressing. Louis Panozzo, Rockford, Ill.
Filed Nov. 9, 1950, Serial No. 606,171. Published Sept. 18, 1951. Class 46.

552,870. Men's Felt Hats. Etchison Hat Company, Inc., Richmond, Va.
Filed Nov. 13, 1950, Serial No. 606,284. Published Sept. 18, 1951. Class 39.

552,871. Pneumatic Medicating Rectal Dilator. Walker-Young Corporation, Long Beach, Calif.
Filed Nov. 13, 1950, Serial No. 606,351. Published Oct. 9, 1951. Class 44.

552,872. Ladies' Hats. Emporium World Millinery Co., Chicago, Ill.
Filed Nov. 17, 1950, Serial No. 606,516. Published Sept. 18, 1951. Class 39.

552,873. Ladies' Hats. Emporium World Millinery Co., Chicago, Ill.
Filed Nov. 17, 1950, Serial No. 606,520. Published Sept. 11, 1951. Class 39.

552,874. Ladies' Hats. Emporium World Millinery Co., Chicago, Ill.
Filed Nov. 17, 1950, Serial No. 606,521. Published Sept. 11, 1951 Class 39.

552,875. Veterinary Preparation Suggested for the Treatment of Diarrhea and Intestinal Disturbances. The S. E. Massengill Company, Bristol, Tenn.
Filed Nov. 17, 1950, Serial No. 606,552. Published Aug. 7, 1951. Class 18.

552,876. Pharmaceutical Preparation Having Nerve Sedative and Hypnotic Properties. The S. E. Massengill Company, Bristol, Tenn.
Filed Nov. 17, 1950, Serial No. 606,554. Published Aug. 7, 1951. Class 18.

552,877. Men's and Boys' Dress and Sport Shirts. Llondale Shirt Company, New York, N. Y.
Filed Nov. 18, 1950, Serial No. 606,616. Published Sept. 18, 1951. Class 39.

552,878. Medicinal Preparation for Use in the Treatment of Arthritic Conditions. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Nov. 18, 1950, Serial No. 606,633. Published Aug. 7, 1951. Class 18.

552,879. Watches. Granat Bros., San Francisco, Calif.
Filed Nov. 20, 1950, Serial No. 606,656. Published Aug. 28, 1951. Class 27.

552,880. Watches—Namely, Wrist or Strap Watches. Bulova Watch Company, Inc., New York, N. Y.
Filed Nov. 22, 1950, Serial No. 606,750. Published Aug. 28, 1951. Class 27.

552,881. Watches and Parts of Watches. Rodana A. G., Grenchen, Switzerland.
Filed Nov. 22, 1950, Serial No. 606,811. Published Aug. 28, 1951. Class 27.

552,882. Cash Registers. Riv—Officine di Villar Perosa Società per Azioni, Turin, Italy.
Filed Nov. 29, 1950, Serial No. 607,098. Published Sept. 25, 1951. Class 26.

552,883. Watches. Harry Shragie, doing business as Ritex Watch Company, New York, N. Y.
Filed Dec. 4, 1950, Serial No. 607,268. Published Aug. 28, 1951. Class 27.

552,884. Outerwear for Men, Women, and Children—Namely, Coats, Jackets, and Vests Made of Pelts, Leather, Fur, Fabrics, Synthetic Fabrics, and Waterproofed Materials. Monarch Manufacturing Company, Milwaukee, Wis.
Filed Dec. 6, 1950, Serial No. 607,339. Published Sept. 18, 1951. Class 39.

552,885. Machine for Applying Postage Stamps and Addresses to Post Cards, Envelopes, and Other Items of Mail Matter. The Penzoil Company, Oil City, Pa.
Filed Dec. 8, 1950, Serial No. 607,451. Published Oct. 2, 1951. Class 23.

552,886. Open Tanks, Air Tight Storage Tanks, Settling Tanks, and Mixing Tanks. Alsop Engineering Corporation, Millidale, Conn.
Filed Dec. 9, 1950, Serial No. 607,473. Published Oct. 2, 1951. Class 2.

552,887. Sewing Machine Cabinets. Roman Raichert Company, Inc., Chicago, Ill.
Filed Dec. 9, 1950, Serial No. 607,520. Published Oct. 9, 1951. Class 32.

552,888. Men's Suits, Slacks, Jackets, Top Coats, Overcoats, Raincoats, and Sport Coats. Sam Hootstein & Sons, Inc., Boston, Mass.
Filed Dec. 12, 1950, Serial No. 607,591. Published Sept. 11, 1951. Class 39.

Certification Mark

552,889. Beef, Lamb, Veal, and Pork and Products Therefrom. Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill.
Filed Aug. 3, 1949, Serial No. 582,878. Published Sept. 25, 1951. Class 46.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

552,890. (Class 46. Foods and Ingredients of Foods.) Bluhill Foods, Inc., doing business under the names Wedding Breakfast Coffee Co., Lady West Products, and Martin Bros. Co., Denver, Colo. Original filed, act of 1946, Principal Register, Oct. 3, 1947; amended to application, Supplemental Register, Oct. 16, 1950, Serial No. 536,665.

LADY WEST

Applicant claims ownership of Registration No. 360,900.
For Coffee, Salad Dressing, Sandwich Spreads, Peanut Butter.
Claims use since Dec. 1, 1936.

552,891. (Class 16. Paints and Painters' Materials.) Armstrong Paint & Varnish Works, Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 17, 1947; amended to application, Supplemental Register, Sept. 21, 1951, Serial No. 538,067.

FULTON

For Ready Mixed Paints Sold in Liquid Form, Varnishes, and Paint Enamels.
Claims use since 1904.

552,892. (Class 46. Foods and Ingredients of Foods.) Henry S. Levy and Son, Inc., New York and Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Oct. 24, 1947; amended to application, Supplemental Register, Aug. 25, 1951, Serial No. 538,936.



For Bread.
Claims use since 1937.

552,893. (Class 16. Paints and Painters' Materials.) The Arco Company, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Jan. 12, 1948; amended to application, Supplemental Register, Oct. 22, 1951, Serial No. 546,746.

Pad-O-Paint

Applicant claims ownership of Registration No. 503,887.
For Automobile Paint in Liquid Form.
Claims use since Oct. 10, 1947.

552,894. (Class 46. Foods and Ingredients of Foods.) Tea Garden Products Co., also trading as Fresh Fruit Preserving Co. and Hi-est Quality Products Co., San Francisco, Calif. Original filed, act of 1946, Principal Register, Mar. 1, 1948; amended to application, Supplemental Register, June 12, 1951, Serial No. 550,960.



For Fruit Preserves, Berry Preserves, Jams, Jellies, Marmalades, and Table Syrup.
Claims use since Sept. 9, 1936.

552,895. (Class 26. Measuring and Scientific Appliances.) A. F. Parmelee, doing business as United States Safety Service Company, Kansas City, Mo., assignor to United States Safety Service Company, Kansas City, Mo., a corporation of Missouri. Original filed, act of 1946, Principal Register, Mar. 15, 1948; amended to application, Supplemental Register, Feb. 2, 1951, Serial No. 552,003.

SAF-CO-METER

For Carbon Monoxide Detectors in the Nature of an Alarm Apparatus Having a Mercury Column, the Lever Whereof Is Controlled by a Carbon Monoxide Responsive Catalyst and Which, When the Mercury Rises to a Predetermined Level, Closes an Electrical Circuit To Sound an Alarm.
Claims use since Oct. 15, 1947.

552,896. (Class 19. Vehicles.) Irving Fertel, doing business as Mitchell Auto Supply Co., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Apr. 1, 1948; amended to application, Supplemental Register, Dec. 9, 1949, Serial No. 553,583.



Applicant claims ownership of Registration No. 297,199.
For Radiator Caps and Gas Tank Caps for Automotive Vehicles.
Claims use since December 1928.

552,897. (Class 36. Musical Instruments and Supplies.) Boosey & Hawkes Limited, London, England. Original filed, act of 1946, Principal Register, May 25, 1948; amended to application, Supplemental Register, Aug. 23, 1950, Serial No. 557,723.

SONORITY

Applicant claims ownership of British Registration No. B634,869, dated Feb. 7, 1945.
For Strings for Musical Instruments.

552,898. (Class 16. Paints and Painters' Materials.) Chicago Paints, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, July 1, 1948; amended to application, Supplemental Register, Oct. 3, 1951, Serial No. 560,342.

GRAIN-TITE

For Varnish.
Claims use since 1941.

552,899. (Class 19. Vehicles.) John H. Best & Sons, Inc., Galva, Ill. Original filed, act of 1946, Principal Register; Aug. 6, 1948; amended to application, Supplemental Register, May 14, 1951, Serial No. 562,906.

8 QUARTER

For Hand Trucks Particularly Adapted for the Transportation and Display of Linoleum and Similar Products.
Claims use since Apr. 16, 1947.

552,900. (Class 16. Paints and Painters' Materials.) Florence S. Bines, doing business under the name and style of Sealwall Products, Elyria, Ohio. Original filed, act of 1946, Principal Register, Mar. 18, 1949; amended to application, Supplemental Register, July 16, 1951, Serial No. 575,621.

SEALWALL
WASHABLE WATERPROOF
CEMENT PAINT

The words "Washable Waterproof Cement Paint" are disclaimed.
For Waterproofing Paint for Use on Concrete Walls.
Claims use since July 16, 1948.

552,901. (Class 44. Dental, Medical, and Surgical Appliances.) Harry E. Rice and Trenton L. Rice, Columbus, Ind. Original filed, act of 1946, Principal Register, Oct. 18, 1949; amended to application, Supplemental Register, Sept. 11, 1951, Serial No. 586,496.

Safe-T-Felt

For Nursing Bottle Holders.
Claims use since Oct. 4, 1949.

552,902. (Class 16. Paints and Painters' Materials.) Frank W. Dunne Co., Oakland, Calif. Original filed, act of 1946, Principal Register, Nov. 8, 1949; amended to application, Supplemental Register, June 6, 1951, Serial No. 587,468.

Color-Suited PAINTS

For Ready-Mixed Paint in Liquid Form, Paint Enamels, and Toner Colors for Use in Paints.
Claims use since Sept. 1, 1949.

552,903. (Class 19. Vehicles.) Winch-Lift, Inc., Webster Parish and Shreveport, La. Original filed, act of 1946, Principal Register, Dec. 10, 1949; amended to application, Supplemental Register, May 18, 1951, Serial No. 589,183.

Clement

For Dump Trailers.
Claims use since Aug. 15, 1949.

552,904. (Class 46. Foods and Ingredients of Foods.) Gerber Products Company, Fremont, Mich. Filed Jan. 23, 1950, Serial No. 591,289.

Babies are our business... our only business!

For Cereals—Namely, Barley Cereal, Oatmeal and a Specially Prepared Cereal Mixture Containing Semolina, Mixture of Whole Wheat Flour and Wheat Germ, Etc.; Canned Foods for Infants and Invalids—Namely, Strained Soup Mixed Vegetables, Custard Pudding, Strained Carrots, Strained Beets, Strained Spinach, Strained Peas, Strained Squash, Strained Apricots With Farina, Strained Apple Sauce, Strained Pear and Pineapple, Strained Pears, Strained Green Beans, Strained Apricot-Apple Sauce, Strained Prunes, Strained Peaches, Orange Pudding, Chocolate Flavored Custard Pudding, Strained Sweet Potatoes; Junior Canned Foods—Namely, Chopped Spinach, Pears and Pineapple, Pineapple Rice Pudding, Chopped Green Beans, Chopped Peaches, Chopped Carrots, Chopped Apricot-Apple, Chopped Apples, Chopped Mixed Vegetables With Barley and Yeast, Chopped Squash, and Chopped Pears and Pineapple.
Claims use since October 1948.

552,905. (Class 2. Receptacles.) Williamsport Paper Box Company, Inc., Williamsport, Pa. Original filed, act of 1946, Principal Register, Apr. 6, 1950; amended to application, Supplemental Register, Aug. 22, 1951. Serial No. 595,347.

"Boxwel"

For Set-Up Paper Boxes.
Claims use since Mar. 20, 1946.

552,906. (Class 46. Foods and Ingredients of Foods.) Gerber Products Company, Fremont, Mich. Filed Apr. 14, 1950, Serial No. 595,721.

Babies are our business... our only business!

For Cereal Preparations—Namely, Rice Cereal, Barley Cereal, Oatmeal, and a Specially Prepared Cereal Mixture Containing Semolina, Mixture of Whole Wheat Flour and Wheat Germ, Etc.; Canned Foods for Infants and Invalids—Namely, Strained Soup Mixed Vegetables; Custard Pudding; Orange Pudding, Chocolate Flavored Custard Pudding; Strained Vegetables—Namely, Carrots, Beets, Sweet Potatoes, Spinach, Peas, Squash, Green Beans; Strained Fruits—Namely, Apricots With Farina, Applesauce, Pear and Pineapple, Pears, Plums With Tapioca, Apricot-Applesauce, Prunes, and Peaches; Unstrained Canned Foods—Namely, Pears and Pineapple, Pineapple Rice Pudding, Peaches, Plums With Tapioca, Pears, Applesauce, Apricot-Applesauce, Green Beans, Sweet Potatoes, Carrots, Mixed Vegetables With Barley and Yeast, Squash, and Spinach.
Claims use since January 1949.

552,907. (Class 46. Foods and Ingredients of Foods.) Mrs. Paul's Kitchens, Philadelphia, Pa., assignor to Mrs. Paul's Kitchens, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Original filed, act of 1946, Principal Register, Apr. 25, 1950; amended to application, Supplemental Register, July 9, 1951, Serial No. 596,293.

Mrs. Paul's

For Frozen Foods—Namely, Deviled Crabs, Deviled Clams, Fried Cod Fish Cakes, Fried Scallops, French Fried Potatoes, Whipped Potatoes, and Ready To Fry Oysters.
Claims use since Apr. 1, 1946.

552,908. (Class 46. Foods and Ingredients of Foods.) Charles Howard, doing business as C. Howard Co., New York, N. Y. Original filed, act of 1946, Principal Register, May 17, 1950; amended to application, Supplemental Register, Mar. 30, 1951, Serial No. 597,612.

Howard's

For Confections—Namely, Mints and Chewing Gum.
Claims use since November 1930.

552,909. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Draper Brothers Company, Canton, Mass. Original filed, act of 1946, Principal Register, May 26, 1950; amended to application, Supplemental Register, Apr. 21, 1951, Serial No. 598,169.

Andean Pile

For Knitted, Cotton Back, Hair Pile Fabrics.
Claims use since Mar. 20, 1950.

552,910. (Class 2. Receptacles.) Cobbs Manufacturing Company, Des Moines, Iowa. Original filed, act of 1946, Principal Register, June 17, 1950; amended to application, Supplemental Register, Aug. 20, 1951, Serial No. 599,309.



The words "Clothespin Bag" are disclaimed.
For Fabric Clothes Pin Bags.
Claims use since May 8, 1950.

552,911. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Stephen G. Shack, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, June 21, 1950; amended to application, Supplemental Register, Sept. 14, 1951, Serial No. 599,537.

SCROLL-ETTS

For Cast Metal Scrolls Used for Decorations.
Claims use since June 14, 1950.

552,912. (Class 21. Electrical Apparatus, Machines, and Supplies.) S. C. Johnson & Son, Inc., Racine, Wis. Original filed, act of 1946, Principal Register, June 28, 1950; amended to application, Supplemental Register, June 28, 1951, Serial No. 599,877.

SUPER 12

For Electric Floor Scrubbing and Wax Polishing Machine.
Claims use since Mar. 21, 1950.

552,913. (Class 46. Foods and Ingredients of Foods.) Robert L. Gulick, Jr., doing business under the name International Foods, Berkeley, Calif. Original filed, act of 1946, Principal Register, Aug. 2, 1950; amended to application, Supplemental Register, Sept. 20, 1951, Serial No. 601,615.

Clambake

For Frozen Clams.
Claims use since July 12, 1950.

552,914. (Class 46. Foods and Ingredients of Foods.) Mad River Orchard Co., Entiat, Wash. Original filed, act of 1946, Principal Register, Oct. 10, 1950; amended to application, Supplemental Register, Oct. 13, 1951, Serial No. 604,699.

MAD RIVER

For Fresh Deciduous Fruits.
Claims use since Sept. 26, 1950.

552,915. (Class 25. Locks and Safes.) Roscoe Fowler, doing business under the name and style of Sturdee Steel Products Company, Los Angeles, Calif. Filed Nov. 4, 1950, Serial No. 605,898.

STURDEE

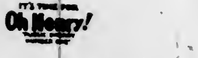
For Door Locks, Door Latches, and Slide Bolts for Securing Doors, All Fabricated of Metal.
Claims use since 1928.

552,916. (Class 46. Foods and Ingredients of Foods.) Praga Food Products Co., Inc., New York, N. Y. Filed Nov. 29, 1950, Serial No. 607,095.

Praga

For Canned Hams.
Claims use since Mar. 1, 1941.

552,917. (Class 46. Foods and Ingredients of Foods.) Williamson Candy Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Mar. 27, 1951; amended to application, Supplemental Register, Oct. 20, 1951, Serial No. 611,870.



Applicant claims ownership of Registrations Nos. 152,550, 251,265, and 384,529.
For Candy.
Claims use since Nov. 1, 1945.

552,918. (Class 16. Paints and Painters' Materials.) Porter Paint Company, Louisville, Ky. Filed Apr. 9, 1951, Serial No. 612,413.



The drawing is lined for orange and cream.
For Enamels; Asphalt Roof Coatings; Penetrating, Quick Drying and Creosote Shingle Stains; Primer Coatings of the Paint, Varnish, Asphalt, and Lacquer Type; Protective Coating Waxes; Wood Pore Fillers; Shellac; Paint, Varnish, Asphalt, and Lacquer Thinners; Driers of the Paint, Varnish, or Similar Types; Varnish; Casein Tinting Colors for Paints; Colors in Oil for Use in Tinting Paints and Enamels; Sash and Trim Color; Cement and Concrete Paints of the Oil, Resin, or Latex Type for Application to Masonry Surfaces; Paint Containing Gilsonite; and Roof and Barn, Casein, Ready Mixed, Non-Fading Green, Flat Wall, Creosote, Marine Zinc Dust, Traffic, Stuck Black, Mill White, Aluminum, Stippling, and Graphite Paints.
Claims use since Sept. 1, 1923.

Service Marks

552,919. (Class 102. Insurance and Financial.) S. Loeb & Son, New Haven, Conn. Original filed, act of 1946, Principal Register, Sept. 1, 1949; amended to application, Supplemental Register, Oct. 17, 1951, Serial No. 584,337.

"Super Market for Real Estate"

For Brokerage Service in the Sale and Leasing of Real Estate.
Claims use since Aug. 12, 1949.

552,920. (Class 102. Insurance and Financial.) S. Loeb & Son, New Haven, Conn. Original filed, act of 1946, Principal Register, Sept. 1, 1949; amended to application, Supplemental Register, Oct. 17, 1951, Serial No. 584,338.

"Super-market for Homes"

For Brokerage Service in the Sale and Leasing of Real Estate.
Claims use since Aug. 12, 1949.

552,921. (Class 100. Miscellaneous.) Deborah Jewish Tuberculosis Society, Browns Mills, N. J., New York, N. Y., and Philadelphia, Pa. Filed Feb. 10, 1951, Serial No. 609,915.



For Philanthropic Services—Namely, Providing Free Medical Care and Treatment for Those Afflicted With Tuberculosis, Said Services Being Financed Through the Solicitation and Collection of Charitable Contributions.—Claims use since Jan. 16, 1948.

TRADE-MARK REGISTRATIONS RENEWED

37,051. REPRESENTATION OF MASK. Registered Sept. 10, 1901. The American Sugar Refining Company New York, N. Y., a corporation of New Jersey. Re-renewed Sept. 10, 1951. Hard Sugar. Class 46.

37,082. REPRESENTATION OF DOMINO PIECES. Registered Sept. 17, 1901. The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey. Re-renewed Sept. 17, 1951. Hard Sugar. Class 46.

37,177. DOMINO. Registered Oct. 8, 1901. The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey. Re-renewed Oct. 8, 1951. Hard Sugar. Class 46.

37,299. NABISCO. Registered Nov. 12, 1901. National Biscuit Company, Jersey City, N. J., and Chicago, Ill. Re-renewed Nov. 12, 1951, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. Biscuits, Crackers, Bread, Wafers, Etc. Class 46.

76,020. MERCEDES. Registered Dec. 7, 1909. Daimler-Motoren-Gesellschaft, Unterturkheim, near Stuttgart, Germany. Re-renewed Dec. 7, 1949, to Daimler-Benz Aktiengesellschaft, Stuttgart, Unterturkheim, Germany, a corporation organized under the laws of Germany. Screw-Drivers, Nut-Keys (Wrenches), Tire-Tools, Hammers, Etc. Class 23.

REPRESENTATION OF CIRCLE UPON BLUE ROUND. Registered Oct. 3, 1911. C. F. Mueller Re-renewed Oct. 3, 1951, to C. F. Mueller Company, Jersey City, N. J., a corporation of Delaware. Egg-Noodles and Macaroni. Class 46.

83,889. "CROWN" AND REPRESENTATION OF CROWN. Registered Oct. 24, 1911. Bishop & Company, Los Angeles, Calif. Re-renewed Oct. 24, 1951, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. Crackers. Class 46.

83,974. PEEK-A-BOO. Registered Oct. 24, 1911. S. Freiburger & Bro. Re-renewed Oct. 24, 1951, to S. Freiburger & Bro. Co., Fort Wayne, Ind., a corporation of Indiana. Children's Leather and Canvas Shoes. Class 39.

84,157. KENSINGTON. Registered Nov. 14, 1911. The American Paper Goods Company, Montclair, N. J., and Kensington, Conn. Re-renewed Nov. 14, 1951, to The American Paper Goods Company, Kensington, Conn., a corporation of New Jersey. Envelopes and Linen Paper. Class 37.

84,560. TONSORIAL. Registered Dec. 19, 1911. The J. B. Williams Company, Glastonbury, Conn., a corporation of Connecticut. Re-renewed Dec. 19, 1951. Soap. Class 52.

85,286. CURFEW. Registered Feb. 6, 1912. H. G. Prince & Company, Fruitvale, Calif. Re-renewed Feb. 6, 1952, to California Packing Corporation, San Francisco, Calif., a corporation of New York. Canned Fruits. Class 46.

284,178. "MAJESTIC" ETC. Registered June 16, 1931. Majestic Household Utilities Corporation, Chicago, Ill. Renewed June 16, 1951, to Garod Radio Corporation, New York, N. Y., a corporation of New York. Electric Refrigerators and Parts Thereof. Class 31.

285,264. MAJESTIC ELECTRIC. Registered July 21, 1931. Majestic Specialties Mfg. Co., Chicago, Ill., assignor to Grigsby-Grunow Company. Renewed July 21, 1951, to Garod Radio Corporation, New York, N. Y., a corporation of New York. Electric Clocks. Class 27.

286,486. NOVATOPHAN. Registered Sept. 1, 1931. Schering & Glatz, Inc. Renewed Sept. 1, 1951, to Warner-Hudnut, Inc., New York, N. Y., a corporation of Delaware. Medicinal Preparation Used in the Treatment of Gout, Rheumatism, and Similar Ailments With Inflammatory Painful Manifestations. Class 18.

286,852. DON ALLS. Registered Sept. 8, 1931. Donnelly Garment Company, Kansas City, Mo., a corporation of Missouri. Renewed Sept. 8, 1951. Women's and Children's Dresses, Frocks, Aprons, Etc. Class 39.

287,095. OUTING ELK. Registered Sept. 15, 1931. American Hide and Leather Company, Boston, Mass., a corporation of New Jersey. Renewed Sept. 15, 1951. Side Leather. Class 1.

287,115. MONITOR. Registered Sept. 15, 1931. Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Renewed Sept. 15, 1951, to California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif., a corporation of Delaware. Animal Fly Sprays, Insecticides, Insect Repellents. Class 6.

287,179. "KLOSTER" WITHIN RECTANGLE DESIGN. Registered Sept. 15, 1931. Klosters Aktiebolag, Langshyttan, Sweden, a corporation organized under the laws of Sweden. Renewed Sept. 15, 1951. Steel in Bars and Coils. Class 14.

287,279. "YACHUM" ETC. Registered Sept. 15, 1931. Perlman Brothers, Savannah, Ga., a firm. Renewed Sept. 15, 1951. Shoes Made of Leather or Partly of Leather, Ladies' and Children's Dresses, and Men's and Boys' Suits. Class 39.

287,480. PERALGA. Registered Sept. 29, 1931. Schering & Glatz, Inc., Bloomfield, N. J. Renewed Sept. 29, 1951, to Warner-Hudnut, Inc., New York, N. Y., a corporation of Delaware. Medicinal Preparation Recommended as a Pain Alleviator. Class 18.

288,000. DURAFLEX. Registered Oct. 20, 1931. Whitlock Cordage Co., New York, N. Y., a corporation of New Jersey. Renewed Oct. 20, 1951. Rope and More Particularly Rope Made of Fibre Such as Manila and Intended for All Purposes for Which Such Rope Is Ordinarily Used, Including Marine, Oil Drilling, Construction, and Transmission. Class 7.

288,024. "ZIPTAB". Registered Oct. 20, 1931. The Standard Register Company, Dayton, Ohio, a corporation of Ohio. Renewed Oct. 20, 1951. Manifolding Assemblies Comprising Separable Alternating Sheets of Record and Carbon Material in Zig-Zag Folded Packet or Roll Form. Class 37.

288,327. "BLUE RIBBON" AND DRAWING. Registered Oct. 27, 1931. Charles Banks Stout, doing business as Washington Flour Mill, Washington, Mo. Renewed Oct. 27, 1951. Wheat-Flour. Class 46.

288,370. "THE SELECTACOLOR" AND DESIGN. Registered Oct. 27, 1931. The Spool Cotton Company, New York, N. Y., a corporation of New Jersey. Renewed Oct. 27, 1951. Display Devices for Spools of Thread. Class 32.

288,456. REPRESENTATION OF BRUSH HANDLE WITH DIAGONAL RED STRIPE AROUND HANDLE. Registered Oct. 27, 1931. Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Oct. 27, 1951. Painters' Brushes. Class 29.

288,458. REPRESENTATION OF BRUSH HANDLE WITH DIAGONAL GREEN STRIPE AROUND HANDLE. Registered Oct. 27, 1931. Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Oct. 27, 1951. Painters' Brushes. Class 29.

288,459. REPRESENTATION OF BRUSH HANDLE WITH DIAGONAL BLACK STRIPE AROUND HANDLE. Registered Oct. 27, 1931. Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Oct. 27, 1951. Painters' Brushes. Class 29.

288,813. BOXTITE. Registered Nov. 3, 1931. Stevens Walden, Inc., Worcester, Mass., a corporation of Massachusetts. Renewed Nov. 3, 1951. Wrenches and Wrench Sets. Class 23.

288,965. ELECTREX. Registered Nov. 10, 1931. United Drug Company, Boston, Mass. Renewed Nov. 10, 1951, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. Electric Appliances Consisting of Curling Irons, Hair Dressing Sets, Etc. Class 21.

288,985. ELECTREX. Registered Nov. 10, 1931. United Drug Company, Boston, Mass. Renewed Nov. 10, 1951, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. Therapeutic Lamps, Vibrators, and Hair-Dryers. Class 44.

289,304. HERCULES. Registered Nov. 24, 1931. Hercules Powder Company, Wilmington, Del., a corporation of Delaware. Renewed Nov. 24, 1951. Purified Cotton Linter Pulp, Whether in Loose Form or Sheet Form, Also Known as Cottonseed Hull Shavings Pulp and as Bleached Cotton Linter Pulp. Class 1.

289,305. REPRESENTATION OF FIGURE OF HERCULES. Registered Nov. 24, 1931. Hercules Powder Company, Wilmington, Del., a corporation of Delaware. Renewed Nov. 24, 1951. Purified Cotton Linter Pulp, Whether in Loose Form or Sheet Form, Also Known as Cottonseed Hull Shavings Pulp and as Bleached Cotton Linter Pulp. Class 1.

289,324. "MAJESTIC" ETC. Registered Nov. 24, 1931. Majestic Household Utilities Co., Chicago, Ill. Renewed Nov. 24, 1951, to Garod Radio Corporation, New York, N. Y., a corporation of New York. Refrigerators. Class 31.

289,493. PRINTEMPS. Registered Dec. 1, 1931. Elizabeth Arden, Inc. Renewed Dec. 1, 1951, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. Lipsticks. Class 51.

289,617. CHARIOT. Registered Dec. 1, 1931. Elizabeth Arden, Inc. Renewed Dec. 1, 1951, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. Lipsticks. Class 51.

289,804. GREENFIELD. Registered Dec. 8, 1931. Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts. Renewed Dec. 8, 1951. Bit Brace Tools, Bolt Cutters, Horse-Shoers' Buttresses, Etc. Class 23.

289,843. "MA BROWN" AND PORTRAIT. Registered Dec. 8, 1931. Squire Dingee Company, Chicago, Ill., a corporation of Illinois. Renewed Dec. 8, 1951. Fruit Butters. Class 46.

289,898. REPRESENTATION OF CIRCULAR DOTS LINED FOR RED. Registered Dec. 15, 1931. Hercules Powder Company, Wilmington, Del., a corporation of Delaware. Renewed Dec. 15, 1951. Propellent Powder for Shot Guns, Rifled Arms, Etc. Class 9.

289,926. INTERNATIONAL WATCH. Registered Dec. 15, 1931. Ernst Homberger-Rauschenbach, vorm. International Watch Co. (Ernest Homberger-Rauschenbach, Ci-devant International Watch Co.), Schaffhouse, Switzerland, a private firm organized under the laws of the Confederation of Switzerland. Renewed Dec. 15, 1951. Watch Movements, Cases, Dials, and Sheaths. Class 27.

289,947. REPRESENTATION OF PAPER BAG LINED FOR PURPLE. Registered Dec. 15, 1931. Edward F. Kemp. Renewed Dec. 15, 1951 to E. F. Kemp Corp., Somerville, Mass., a corporation of Massachusetts. Paper Bags. Class 2.

290,126. SOLINEAR. Registered Dec. 22, 1931. Agfa Ansco Corporation, Binghamton, N. Y. Renewed Dec. 22, 1951, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Photographic Cameras. Class 26.

290,186. NOVOCHROME. Registered Dec. 22, 1931. Agfa Ansco Corporation, Binghamton, N. Y. Renewed Dec. 22, 1951, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Sensitized Photographic Film. Class 26.

290,187. NOVOFILM. Registered Dec. 22, 1931. Agfa Ansco Corporation, Binghamton, N. Y. Renewed Dec. 22, 1951, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Sensitized Photographic Film. Class 26.

290,188. NOVOPAN. Registered Dec. 22, 1931. Agfa Ansco Corporation, Binghamton, N. Y. Renewed Dec. 22, 1951, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Sensitized Photographic Film. Class 26.

290,576. "POLAR-PAK" AND DRAWING. Registered Jan. 12, 1932. The Kroger Grocery & Baking Co. Renewed Jan. 12, 1952, to The Kroger Co., Cincinnati, Ohio, a corporation of Ohio. Ice Cream. Class 46.

290,617. LATONIA CLUB. Registered Jan. 12, 1932. The Kroger Grocery & Baking Co., doing business as Wesco Foods Co. Renewed Jan. 12, 1952, to The Kroger Co., Cincinnati, Ohio, a corporation of Ohio. Nonalcoholic, Maltless Beverage Sold as Soft Drinks, Particularly Ginger Ale. Class 45.

290,618. ROCKY RIVER. Registered Jan. 12, 1932. The Kroger Grocery & Baking Co., doing business as Wesco Foods Co. Renewed Jan. 12, 1952, to The Kroger Co., Cincinnati, Ohio, a corporation of Ohio. Nonalcoholic, Maltless Beverages Sold as Soft Drinks, Particularly Orange Soda, Lemon Lime Soda, and Root Beer. Class 45.

290,725. "KROMEKOTE" AND DESIGN. Registered Jan. 12, 1932. E. J. Lavino and Company, Philadelphia, Pa., a corporation of Delaware. Renewed Jan. 12, 1952. Ores for Use for Coatings on Furnace Linings and Refractory Surfaces. Class 1.

290,726. WETKROME AND DESIGN. Registered Jan. 12, 1932. E. J. Lavino and Company, Philadelphia, Pa., a corporation of Delaware. Renewed Jan. 12, 1952. Ores for Use in Laying Refractory Brick. Class 1.

291,000. "MINT-O-ZONE" AND REPRESENTATION OF MINT LEAF. Registered Jan. 26, 1932. Hillyard Chemical Company, St. Joseph, Mo., a corporation of Missouri. Renewed Jan. 26, 1952. Liquid Deodorant. Class 6.

291,107. SANI-SEPTO. Registered Jan. 26, 1932. Hillyard Chemical Company, St. Joseph, Mo., a corporation of Missouri. Renewed Jan. 26, 1952. Liquid Surgical Soap. Class 52.

291,203. TWO "S". Registered Feb. 2, 1932. Chas. A. Scudder, doing business as Two-S Food Products Co., Oakland, Calif. Renewed Feb. 2, 1952, to Chas. A. Scudder, Monterey Park, Calif. Peanut Butter. Class 46.

291,464. VELVA-BABE. Registered Feb. 9, 1932. Hillyard Chemical Company, St. Joseph, Mo., a corporation of Missouri. Renewed Feb. 9, 1952. Liquid Baby Soap. Class 52.

291,705. "GRANITINE" WITH HEAVY UNDERLINE. Registered Feb. 23, 1932. Chicago Granitine Manufacturing Company, Chicago, Ill., a corporation of Illinois. Renewed Feb. 23, 1952. Concrete Storage Boxes for Storing Garbage and Ashes, Flower Boxes, Window Boxes, Etc. Class 2.

291,720. STEP AHEAD. Registered Feb. 23, 1932. E. F. Kemp, Inc. Renewed Feb. 23, 1952, to E. F. Kemp Corp., Somerville, Mass., a corporation of Massachusetts. Candy and All Kinds of Nuts—Viz., Peanuts, Almonds, Pecans, Filberts, Etc. Class 46.

291,817. PRINCESS PEGGY. Registered Feb. 23, 1932. Chic Manufacturing Co. Renewed Feb. 23, 1952, to Princess Peggy, Inc., Peoria, Ill., a corporation of Illinois. Ladies' and Children's Dresses and Pajamas. Class 39.

291,832. PERSTIK. Registered Feb. 23, 1932. Marvin Small. Renewed Feb. 23, 1952, to Carter Products, Inc., New York, N. Y., a corporation of Maryland. Deodorants and Odor Deterrents. Class 51.

291,900. DODGE REPORTS. Registered Feb. 23, 1932. F. W. Dodge Corporation, New York, N. Y., a corporation of New York. Renewed Feb. 23, 1952. Construction News Reports Printed Daily. Class 38.

291,920. THANTIS. Registered Feb. 23, 1932. Hynson, Westcott & Dunning, Incorporated, Baltimore, Md., a corporation of Maryland. Renewed Feb. 23, 1952. Antiseptic, Bactericidal, and Bacteriostatic Disinfectant and Germicidal Preparations Containing a Local Anaesthetic. Class 18.

292,078. ADDRESSOGRAPH. Registered Mar. 1, 1932. Addressograph Company. Renewed Mar. 1, 1952, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware. Printing Devices for Use in Addressing and Similar Machines, Etc. Class 23.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

157,642. OPENKOTE. Registered Aug. 15, 1922. Herman Behr & Company, Incorporated, Brooklyn, N. Y. Abrasive Papers and Cloths. Class 4. The drawing is hereby amended to appear as follows:

OPENKOTE

168,942. CLOSEKOTE. Registered May 29, 1923. Herman Behr & Company, Incorporated, Brooklyn, N. Y. Abrasive Papers and Cloths. Class 4. The drawing is hereby amended to appear as follows:

CLOSEKOTE

532,728. AIRMAT. Registered Oct. 31, 1950. American Air Filter Company, Inc., Louisville, Ky. Mechanical Dry-Type Dust Arrestors or Collectors of the Vibrating Pocket Type Using Air Porous Sheet-Like Filter Media in the Form of Cut Sheets of Fiber Glass, Paper, Etc. Class 31. Corrected as follows: In the statement, second column, line 13, after "July 5, 1946." insert the following paragraphs:

The trade-mark was, by applicant and its predecessors in business, first used in January 1928, and first used in commerce among the several States which may lawfully be regulated by Congress in January 1928.

Applicant is the owner of Trade-Mark Registration No. 254,196, registered Mar. 12, 1929.

538,723. CURADS. Registered Feb. 27, 1951. The Kendall Company, Boston, Mass. Adhesive Bandages Used as Surgical Dressings, Etc. Class 44. The drawing is hereby amended to appear as follows:

CURAD

547,705. UNITED. Registered Sept. 11, 1951. United Metal Box Co., Inc., Brooklyn, N. Y. Steel Bath Room Cabinets—Namely, Medicine and Utility Cabinets; Steel Kitchen Cabinets—Namely, Base, Wall, Linen, Etc. Class 32. Corrected as follows: In the statement, second column, line 9, after "in 1928." insert *The trade-mark is applied or affixed to said goods by attaching thereto a printed label or decalcomania transfer on which the trade-mark is shown.*

547,706. "UNITED" IN DOUBLE LINE DESIGN. Registered Sept. 11, 1951. United Metal Box Co., Inc., Brooklyn, N. Y. Steel Bath Room Cabinets—Namely, Medicine and Utility Cabinets; Steel Kitchen Cabinets—Namely, Base, Wall, Linen, Etc. Class 32. Corrected as follows: In the statement, second column, line 9, after "in 1928." insert *The trade-mark is applied or affixed to said goods by attaching thereto a printed label or decalcomania transfer on which the trade-mark is shown.*

548,348. "RATH" AND LETTER "R" AND DESIGN. Registered Sept. 18, 1951. The Rath Packing Company, Waterloo, Iowa. Quick Frozen Poultry Products—Namely, Fancy Young Tom Turkeys, Fancy Young Hen Turkeys, Fancy Roasting Chickens, Etc. Class 46. Corrected as follows: In the statement, second column, line 14, for 'name "RATH" 'is' read *name "Rath" is.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

403,372. ARCHIE. Registered Sept. 21, 1943. M. L. J. Magazines, Inc. Magazine Published Quarterly. Class 38. New certificate under section 7(c) issued Jan. 1, 1952, to Archie Comic Publications, Inc., New York, N. Y., a corporation of New York.

417,477. WILBUR. Registered Oct. 30, 1945. M. L. J. Magazines. Magazine Issued Quarterly. Class 38. New certificate under section 7(c) issued Jan. 1, 1952, to Archie Comic Publications, Inc., New York, N. Y., a corporation of New York.

525,918. DESIGN OF FIGURE. Registered June 6, 1950. Wilbur Evan Thomas, doing business as Thomas Mechanical Collator. Mechanical Fingers for Gathering Paper Sheets in Their Proper Sequence Termed Collators. Class 23. New certificate under section 7(c) issued Jan. 1, 1952, to Thomas Mechanical Collator Corporation, New York, N. Y., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 285,443. Registered July 28, 1931. Cape Ann Isinglass Company, Marblehead, Mass., a corporation of Massachusetts. Republished by registrant.

CAPE ANN

For Clarifier for Beer Consisting of Fish Isinglass. Claims use since 1872.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 298,526. Registered Nov. 1, 1932. Burton-Dixie Corporation, Chicago, Ill. Republished by Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware.

IZOLIN

For Pillows.
Claims use since June 21, 1932.

CLASS 37

PAPER AND STATIONERY

Reg. No. 288,796. Registered Nov. 3, 1931. Lawrence Paper Manufacturing Company, Lawrence, Kans. Republished by The Lawrence Paper Company, Lawrence, Kans., a corporation of Kansas.

FREEZUR

For Paper for Lining Packing Cases and Paper Board. Claims use since May 9, 1930.

CLASS 39

CLOTHING

Reg. No. 282,389. Registered Apr. 21, 1931. Melville Shoe Corporation, New York, N. Y. Republished by Freeman Shoe Corporation, Beloit, Wis., a corporation of Wisconsin.

FREE-FLEX

For Shoes of Leather, Rubber, or Fabric, or of Combinations of Those Materials.
Claims use since Aug. 2, 1930.

Reg. No. 284,371. Registered June 23, 1931. Krumholz & Lichtblau, New York, N. Y. Republished by Kelray Knitting Mills, Inc., New York, N. Y., a corporation of New York.

KELRAY

For Ladies' and Children's Undergarments Made of Rayon, Silk, Wool, Cotton, and Mixtures—Namely, Bloomers, Pantees, Step-Ins, Chemise Slips, Nightgowns, and Vest and Bloomer Combinations Thereof.
Claims use since Aug. 16, 1930.

Reg. No. 425,838. Registered Dec. 3, 1946. Sleepwear, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

RESTYME

For Men's, Women's, and Children's Pajamas and Nightshirts.
Claims use since Jan. 22, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 32,514. Registered Feb. 21, 1899. Charles & Co., New York, N. Y. Republished by Charles & Co., Inc., Bronx, N. Y., a corporation of New York.



For Coffee, Chocolate, Flour and Cereal Foods, Crackers, Dairy Products, Vegetables, Nuts, Fruits, Canned and Preserved Fruits and Vegetables, Pickles, Sauces and Condiments, Flavoring Herbs, Spices, Honey, Syrups, Molasses, Sugar, Salt, Meat Extracts and Potted and Preserved Meats, Lard, and Baking Powder.
Claims use since about April 1890.

Reg. No. 89,084. Registered Nov. 12, 1912. Ambrosia Chocolate Company, Milwaukee, Wis. Republished by Ambrosia Chocolate Company, Milwaukee, Wis., a corporation of Wisconsin.

ANGELS FOOD

For Chocolate Confection.
Claims use since Sept. 13, 1895.

Reg. No. 176,686. Registered Nov. 27, 1923. Ambrosia Chocolate Company, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

SPARKS

For Candy.
Claims use since August 1915.

Reg. No. 180,015. Registered Feb. 19, 1924. Ambrosia Chocolate Company, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

PEANUT SLABS

The word "Peanut" is disclaimed apart from the mark as shown.
For Candy.
Claims use since December 1915.

Reg. No. 304,232. Registered June 27, 1933. Apple Growers Association, Hood River, Oreg., a corporation of Oregon. Republished by registrant.

Parkdale

For Canned Fruit.
Claims use since Oct. 1, 1929.

Reg. No. 306,927. Registered Oct. 3, 1933. Apple Growers Association, Hood River, Oreg., a corporation of Oregon. Republished by registrant.

MT. HOOD

For Canned Fruit.
Claims use since Oct. 31, 1929.

Reg. No. 309,738. Registered Jan. 30, 1934. Apple Growers Association, Hood River, Oreg., a corporation of Oregon. Republished by registrant.

Silver Grille

For Canned Fruits.
Claims use since Oct. 1, 1929.

Reg. No. 331,285. Registered Dec. 31, 1935. Apple Growers Association, Hood River, Oreg., a corporation of Oregon. Republished by registrant.

O-SO-GOOD
HOOD RIVER CHOICE

The words "Good" and "Hood River Choice" are disclaimed apart from the mark as shown.
For Canned Fruits and Canned Vegetables.
Claims use since Oct. 1, 1929.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 371,249. Registered Sept. 19, 1939. Terre Haute Brewing Company, Inc., Terre Haute, Ind., a corporation of Indiana. Republished by registrant.

Champagne Velvet
Brand
Gold Label

The word "Brand" is disclaimed apart from the mark as shown.
For Beer.
Claims use since June 1937.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 310,197. Registered Feb. 13, 1934. Labrot & Graham Incorporated, Versailles, Ky. Republished by Brown-Forman Distillers Corporation, Louisville, Ky., a corporation of Delaware.

Labrot & Graham

For Whisky.
Claims use since 1838.

Reg. No. 311,994. Registered Apr. 10, 1934. Old Kentucky Distillery, Incorporated, Louisville, Ky. Republished by Brown-Forman Distillers Corporation, Louisville, Ky., a corporation of Delaware.



For Whisky.
Claims use since 1895.

Reg. No. 319,754. Registered Dec. 4, 1934. Lynndale Distillery Company, Louisville, Ky. Republished by Brown-Forman Distillers Corporation, Louisville, Ky., a corporation of Delaware.

CORN TASSEL

For Whisky, Brandy, Gin, Rum, and Alcoholic Cordials.
Claims use since Aug. 3, 1934.

Reg. No. 319,806. Registered Dec. 4, 1934. The W. R. Howard Company, Pikesville, Md. Republished by Brown-Forman Distillers Corporation, Louisville, Ky., a corporation of Delaware.

OFFICERS CLUB



The word "Club" is disclaimed apart from the mark as shown.
For Whisky.
Claims use since Apr. 21, 1934.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 334,061. Registered Apr. 21, 1936. Comfort Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CRAIG-MARTIN

For Tooth Powders, Dentifrices, and Tooth Pastes.
Claims use since Nov. 5, 1930.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 441,854. Registered Jan. 18, 1949. I. J. Fox, Inc., New York, N. Y., a corporation of New York. Republished by registrant.



The words "Fox-Klenzed" are disclaimed apart from the mark as shown.
For Cleaning Fluid for Cleaning and Treating Furs.
Claims use since Aug. 7, 1945.

PLANT PATENTS

GRANTED JANUARY 1, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,059
ROSE PLANT
Josephine D. Brownell, Little Compton, R. I.
Application May 9, 1950, Serial No. 160,845
1 Claim. (Cl. 47—61)

The new and distinct variety of rose plant as described and illustrated, characterized by its form, its colors and color pattern, and its Wichuraiana traits.

1,060
NECTARINE TREE
Frederic W. Anderson, Merced, Calif., assignor to Kim Brothers, a partnership doing business as Reedley Nursery, Reedley, Calif.
Application November 7, 1950, Serial No. 194,459
1 Claim. (Cl. 47—62)

A new and distinct variety of nectarine tree, substantially as described and illustrated, bearing fruit which, in comparison to the Le Grand, is of brighter red color, with a ripening period five days to a week earlier; the tree and its fruit otherwise being quite similar to the Le Grand, including large, firm-fleshed, uniformly ripening fruit.

1,061
ROSE PLANT
Silvio Domilla, San Lorenzo, Calif., assignor to Twin Nurseries, San Lorenzo, Calif., a partnership
Application September 26, 1950, Serial No. 186,790
1 Claim. (Cl. 47—61)

The new and distinct variety of polyantha rose plant, substantially as herein shown and described, characterized particularly by its very strong and healthy growth; its prolific and continuous production of blooms in clusters; its abundant dark green foliage; its very double flowers of bright pink color which holds true without bluing; and the tightly clinging petals and exceptional keeping qualities of its flowers.

1,062
ROSE PLANT
Carl George Duehrsen, Montebello, Calif., assignor to Howard & Smith, Montebello, Calif.
Application April 27, 1950, Serial No. 158,420
1 Claim. (Cl. 47—61)

The new and distinct variety of floribunda rose plant, substantially as herein shown and described, characterized particularly by its free and floriferous blooming habit; its full and vigorous growth; the lack of lateral buds on the flower stems; the longevity of its flowers when cut; the dark, velvety red buds; and the rather compact form and vivid red color of the flowers with frequent appearance of a white stripe through center of petals.

1,063
WALNUT TREE
Louis B. Boellner, Roswell, N. Mex., assignor to Stark Bro's Nurseries And Orchards Company, Louisiana, Mo., a corporation of Missouri
Application November 17, 1949, Serial No. 127,978
1 Claim. (Cl. 47—62)

A new and distinct variety of walnut tree characterized as to novelty by its hardiness to withstand extremes of temperature; its production of nuts in general appearance similar to a black walnut but having a very thin shell; very plump kernel which fills the shell tightly and which can be removed with ease in quarters and halves; the light color of the kernel, and the mild walnut flavor thereof, substantially as herein shown and described.

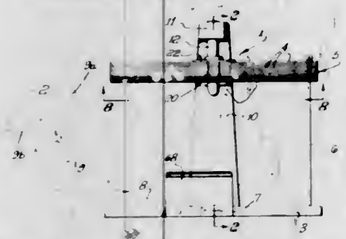
1,064
PLUM TREE
Ruth S. Johnson, Oklahoma City, Okla., assignor to Stark Bro's Nurseries And Orchards Company, Louisiana, Mo., a corporation of Missouri
Application January 13, 1950, Serial No. 138,405
1 Claim. (Cl. 47—62)

A new and distinct variety of plum tree, characterized as to novelty by its exceptionally heavy productivity of large, attractive, red-skinned, red-fleshed fruit of superior size and quality, and by its superior resistance to bacterial leaf spot and canker caused by *Xanthomonas pruni*, substantially as shown and described.

PATENTS

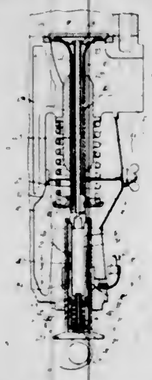
GRANTED JANUARY 1, 1952

2,580,379
INTERLEAVING APPARATUS
Richard W. Bailey, Los Angeles, Calif., assignor to Milo M. Harding, Los Angeles, Calif.
Application December 29, 1945, Serial No. 638,222
4 Claims. (Cl. 101—419)



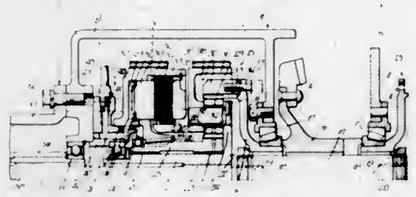
1. In a slip sheeting apparatus, a support for a book of slip sheets, comprising means providing a pair of vertically spaced upwardly facing surfaces of limited area, successive sheets of said book having angularly misaligned openings, the means providing the upper of said surfaces being adapted to extend through the opening in the bottom sheet to support the sheets thereabove, the bottom sheet resting on the other surface, and means for releasing the bottom sheet.

2,580,380
HYDRAULIC VALVE TAPPET
Oscar H. Banker, Evanston, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware
Application February 25, 1946, Serial No. 649,931
18 Claims. (Cl. 123—90)



1. A hydraulic tappet, comprising a hollow tubular body closed at one end and adapted to be actuated endwise by an actuating device, a member mounted to shift axially in said body with a relatively loose clearance therein, and adapted to forward the end thrust imparted to the body by said device to a further device, a pressure chamber between said member and closed body end, means providing an absolute liquid seal between said member and body to prevent end escape of liquid in said chamber, between the member and body, a source of liquid, means providing a passage communicating said source with said chamber to supply liquid thereto, and a valve preventing reverse flow of liquid through said passage from the chamber, said member having a surface movable therewith and slidably engaging said last named means with relatively close clearance to define therebetween a liquid escape passage of relatively restricted capacity for the escape of liquid trapped in said pressure chamber.

2,580,381
DRIVING AND STEERING MECHANISM
Oscar H. Banker, Evanston, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware
Application October 7, 1947, Serial No. 778,382
34 Claims. (Cl. 74—720.5)

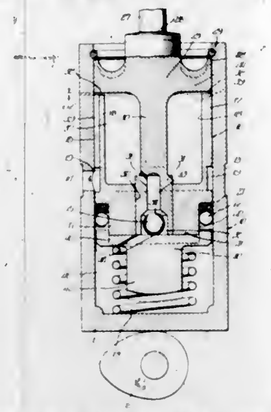


1. A mechanism of the type described, comprising a rotatable driving member, a rotatable driven member, a normally engaged, fluid pressure operated clutch including coacting elements drivingly connected to said respective members and operative to normally connect said members for rotation together, fluid pressure control means including a fluid pressure source connected to the clutch and a control valve normally maintaining clutch engaging pressure from said source on said clutch, said valve being actuable to relieve said pressure and thereby release said clutch, means to retard one of said members relative to the other, means to actuate said retarding means, and means distinct from but operatively connected to said last named actuating means and operative to actuate said control valve, whereby to release said clutch coordinately with actuation of said retarding means.

2,580,382
HYDRAULIC TAPPET
Oscar H. Banker, Evanston, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware
Application March 9, 1949, Serial No. 80,509
20 Claims. (Cl. 123—90)

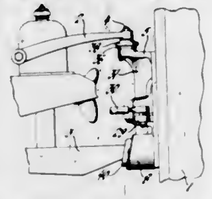
11. A hydraulic tappet comprising a hollow body and a plunger structure slidably mounted in said body, said plunger structure comprising a pair of plunger members in telescoping relation to one another and adapted for axial abutment with one another in the operation of the tappet, means operatively engaging both of said members in a predetermined relative position thereof, the effective length of one of said plunger members with reference to said engaging means being slightly greater than that of the other to provide an axial space between said members in

said predetermined relative position thereof, means subjecting one of said members to hydraulic pressure in the operation of the tappet to shift the same axially the distance of said space relative to the other for said axial abut-



ting engagement, and spring means acting on said engaging means to urge the same and said other member axially in the same direction, said plunger members and engaging means being mounted in said body for axial movement relative to one another.

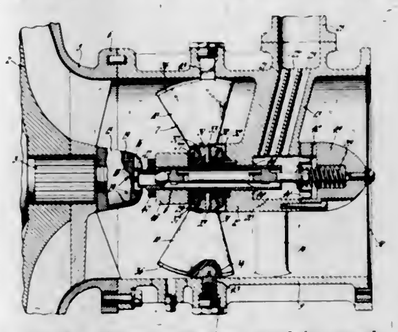
2,580,383
VEHICLE WHEEL SUPPORT
Clarence E. Frank, Fraser, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 24, 1948, Serial No. 10,351
6 Claims. (Cl. 280—96.1)



3. A wheel support and brake backing plate formed as a unitary casting including a circular web having a hollow central wheel mounting hub, suspension mounting pads projecting rearwardly from the web at the top and bottom thereof, stiffening ribbing on the rear face of the web merging into said suspension mounting pads, a pair of hollow bosses combined with the front face of the web to afford brake actuating cylinders and a cored passage extending through the web and communicating with the interiors of said hollow bosses.

2,580,384
CHARGE FORMING DEVICE
Ronald M. Hazen and Charles J. McDowall, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 11, 1948, Serial No. 14,218
5 Claims. (Cl. 261—24)

1. In an internal combustion engine, a rotary supercharging impeller, a duct for conveying engine intake air to the impeller entrance, an annular housing within the duct and axially aligned therewith, a member rigidly supporting the housing relative to the duct and provided with a passage for conducting a fluid from the exterior of the duct to the interior of the housing, a conduit secured to the housing for conducting the fluid from the interior of the housing to the impeller entrance, a sleeve member on the conduit and locked against rotation relative to the housing, a throttle valve comprising a plurality of angularly spaced vanes disposed radially within the duct and provided at their inner ends with trunnions journalled in the sleeve member, pinions rotatably supported by the trunnions, a ring gear ro-



tatable on the sleeve member and in mesh with each of the pinions, a flexible diaphragm secured to the housing and exposed on opposite sides to the pressure of the fluid within the housing and the pressure of the air outside the housing, valve means within the conduit for regulating the flow of the fluid therethrough and connected to the diaphragm for movement thereby in response to changes in said fluid and air pressures, spring means biasing said valve means toward closed position, and means accessible exteriorly of the duct for operating said throttle valve including a portion rotatable with one of the vanes.

2,580,385
SPRAY NOZZLE WITH CLEANING MEANS
Frank W. Hochmuth, Summit, N. J., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application September 1, 1948, Serial No. 47,235
4 Claims. (Cl. 299—114)



1. In a spray nozzle for use with heavy fluid, the combination of a nozzle pipe, means for delivering the fluid to be sprayed into said pipe, a sprayer cap mounted on the forward end of said pipe and provided with an opening for discharge of the fluid, a sprayer plug positioned within said cap and having in the sides thereof adjacent the cap wall at least two separate helical grooves for conveying the fluid from the pipe interior to the sprayer cap opening while imparting rotation thereto, each of said grooves terminating in an individual inclined surface on the rearward end of said plug which surface extends rearwardly and inwardly toward the plug center, a cleaning rod disposed within said pipe with space for fluid passage therearound and having the forward end thereof adjacent said rearward end of the sprayer plug shaped in the form of a partial helix with pitch and radius substantially matching said helical grooves and of size smaller than the groove

size so as to be freely insertable therein, and means including an extension of said rod through a stuffing box in said nozzle pipe's rearward end for permitting exterior manipulation of said rod whereby through such manipulation said sprayer plug's aforesaid separate helical grooves may be cleaned by selective insertion therein of the rod's said forward end and whereby the aforesaid inclined surfaces on the rear plug end serve upon rotation and axial movement of the cleaning rod to guide that forward rod end into each groove and to facilitate transfer of the rod end from one groove to another.

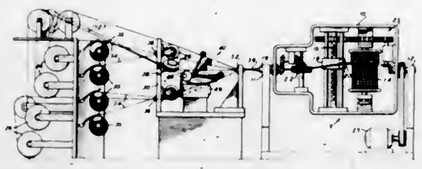
2,580,386
LETTER SHEET
Ida Martina Johansson, Deje, Sweden
Application June 1, 1948, Serial No. 30,448
In Sweden July 14, 1944
1 Claim. (Cl. 229—92.1)



A letter-sheet comprising a rectangular sheet of paper having one transverse and three longitudinal folding lines on a surface thereof, said folding lines dividing said sheet into six rectangular sections for writing, a space in an upper corner section adapted for having an address, a bottom margin portion extending beyond said six sections, an oblong gummed flap extending along the said edge of that section adapted for carrying the address, and being gummed on the opposite side therefrom, a gummed flap on said bottom margin portion constituting a lateral extension thereof in alignment with said oblong gummed flap and being gummed on the opposite side therefrom, and a thread disposed longitudinally of said oblong gummed flap whereby said sheet upon being folded along the longitudinal folding lines in opposite directions and said bottom margin portion being folded back over the folded sections and said sheet being subsequently folded along said transverse line can be sealed by folding said oblong gummed flap over one open edge of the folded sheet and sealed thereto and folding the gummed flap on said bottom margin portion over and sealed onto said oblong flap, said thread constituting severing means through all the sealed areas for facilitating opening of the sheet, the address serving simultaneously as an introduction to the letter when opened.

2,580,387
RUNOUT DETECTOR FOR FILAMENT HANDLING APPARATUS
George P. Adams, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 28, 1950, Serial No. 146,736
3 Claims. (Cl. 57—81)

1. A runout detector for filament handling apparatus having means for advancing a plurality of filaments along predetermined paths, which comprises means including a sensitive switch electrically connected to control the operation of the filament advancing means, a rotatable shaft, a plurality of individually movable detector arms mounted pivotally on the shaft, one for each filament, said detector arms having sheaves mounted on their free ends under which the filaments advance, whereby the arms rest on the filaments with a force corresponding to their respective weights, the tension in the filaments normally being sufficient to hold the arms in given positions, means provided on the shaft for locking the detector arms against relative movement with respect to the shaft, and a cam pro-



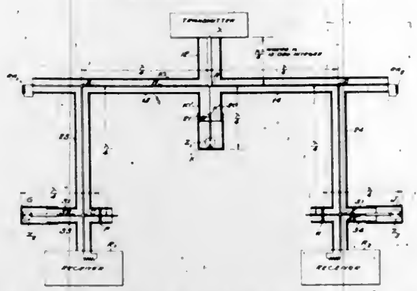
vided on the shaft for actuating the control switch to stop the filament advancing means when the shaft is turned, whereby when any one of the filaments breaks or the supply thereof becomes exhausted the movement of its respective detector arm causes the cam to actuate the control switch and stop the filament advancing means.

2,580,388
BIB STRUCTURE
Adda M. Allen, Arlington, Va.
Application February 4, 1948, Serial No. 6,282
1 Claim. (Cl. 2—49)



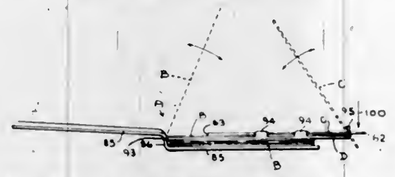
A disposable bib having a body comprising a back sheet of thin pliable waterproof material and a front sheet of soft liquid absorbent material, said sheets being reversely folded along spaced longitudinal lines extending throughout the length of said body to provide interfitting pleats, said body being folded rearwardly along a lateral line adjacent the upper end thereof providing an end band comprising an outer ply of said soft liquid absorbent material presented to the neck of the wearer and an inner ply of said waterproof material, and a neck encircling strap connected to extend from opposite sides of said body adjacent the upper end thereof, said back sheet having a lateral crease formed therein substantially centrally of the length of said body, whereby said body may be laterally stretched and outwardly bowed to open said pleats along said crease when the bib is being worn to provide a self-sustaining protruding ledge beneath the chin of the wearer, said inner ply of said band being bonded to the rearward face of said back sheet to maintain the interfitting pleated relationship of said sheets at the upper end of said body while said pleats are maintained in open condition along said crease.

2,580,389
ANTENNA FILTER
Earl I. Anderson, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 20, 1942, Serial No. 466,274
10 Claims. (Cl. 250—13)



9. A radio system including an antenna, a receiver, and a transmitter, a transmission line connecting said transmitter and said antenna, a branch transmission line connected between said first mentioned line and said receiver, filter elements coupled to said transmission lines at distances equal to a small odd multiple of a quarter wavelength from their effective junction at the operating wavelength, each of said filter elements having electrical discontinuities therein and so arranged that energy picked up by said antenna is applied to said receiver only, said filter elements being further so arranged that when said electrical discontinuities are closed energy from said transmitter is applied to said antenna only.

2,580,390
ACCOUNTING DEVICE
Carl L. Andrew, Greenville, S. C., assignor of one-half to Edward B. Smith, Greenville, S. C.
Application February 15, 1946, Serial No. 647,927
2 Claims. (Cl. 281—44)

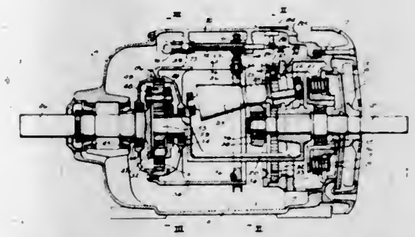


1. An accounting device comprising a thin and substantially flat platen of rigid material having an upper face, a substantially straight left-hand edge, a substantially straight right-hand edge, with the two edges in parallelism, edges substantially normal to the right and left-hand edges, and a plurality of spaced-apart, thin and narrow tongues extending upwardly from said upper face at said right-hand edge and being substantially parallel with said right-hand edge, said platen being adapted to underlie entry sheets; and a blanking-out sheet comprising a thin, stiff sheet adapted to overlie said platen and an entry sheet, said blanking out sheet being provided with openings through which entries may be made on an entry sheet, and a portion of said blanking-out sheet extending substantially beyond the said right-hand edge of said platen and being provided with slots receiving said tongues, whereby downward pressure applied to said portion of said blanking-out sheet will cause said blanking-out sheet to pivot about said right-hand edge of said platen.

2,580,391
FIBERBOARD CONSTRUCTION
Glen E. Babcock, Vernon L. Johnsen, and Allan K. Smith, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application February 23, 1951, Serial No. 212,477
4 Claims. (Cl. 154—141)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A fiberboard laminating glue consisting of about from 10 to 18 parts of soy flour, about from 10 to 2 parts of soy protein, the sum of the parts of said soy flour and soy protein equaling approximately 20 parts, about from 2½ to 10 parts of a 20 percent solution of one of the group consisting of the ammonium salt of a copolymer of a four carbon, alpha, beta unsaturated dicarboxylic acid with styrene and the corresponding alkali metal salt thereof, about from 2½ to 10 parts saponified rosin, about from 10 to 15 parts of an 8 percent sodium hydroxide solution, and sufficient water to make a spreadable glue containing about from 18 to 26 percent solids, the amount of the said sodium hydroxide being sufficient to give a pH within the range of 10.5 to 11.0 to the glue.

2,580,392
VARIABLE-SPEED TRANSMISSION
Alfred G. Bade, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application November 13, 1948, Serial No. 59,818
14 Claims. (Cl. 74—796)



1. In a variable speed transmission, a housing, an input shaft extending into and rotatably mounted in the housing, a ring gear mounted in the housing in substantially fixed relation thereto, a cage driven by the input shaft, a plurality of tapered rollers mounted in the cage and having a toothed portion engaging the ring gear, the rollers revolving with and relative to the cage as planets, a ring movable axially of the cage and peripherally contacting the rollers for rotation thereby relative to the cage, an output shaft, and a planetary gear train connecting both the cage and the ring with the output shaft for transmitting power thereto at a speed ratio dependent on the axial position of the ring.

2,580,393
ACRYLONITRILE POLYMER COMPOSITIONS
Ralph Gardner Beaman, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 9, 1949, Serial No. 109,403
11 Claims. (Cl. 260—30.4)

1. A new composition of matter comprising a member of the group consisting of N-acetyl morpholine, N-acetyl pyrrolidine, N,N'-diacetyl-N,N' - dimethylhydrazine, N,N' - diacetyl - N,N'-

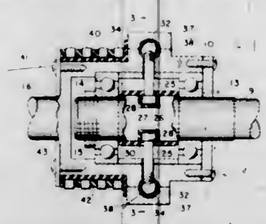
dimethylmethylenediamine, N,N'-diacetyl-N,N'-dimethylethylenediamine and N,N' - diacetyl piperazine and a polymer of acrylonitrile containing in the polymer molecule at least 85% by weight of acrylonitrile.

2,580,394
FLUX DAM FOR GALVANIZING KETTLES
Lyle W. Bechter, South Gate, Calif., assignor to Rheem Manufacturing Company, San Francisco, Calif., a corporation of California
Application August 19, 1948, Serial No. 45,108
3 Claims. (Cl. 91—12.5)



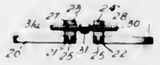
1. In metal-coating apparatus including an elongated container for a bath of coating metal adapted to have a layer of supernatant flux thereon, said container having a feed end and a discharge end, means for confining a layer of flux to one portion of a bath of molten metal in the container which comprises dams extending inwardly from opposite longitudinal sides of the container and upwardly from the normal level of the upper surface of the molten metal, at least portions of the lower edges of said dams being spaced from the bottom of the container a distance sufficient to permit articles being coated to pass thereunder, said dams having their adjacent ends spaced apart a distance sufficient to provide a space above the molten metal through which article-carrying members may pass when traveling horizontally, the adjacent ends of said dams being offset from one another longitudinally of the container, and a gas conducting conduit positioned to direct a blast of gas transversely of said container into the space between the adjacent ends of the dams and against supernatant flux on molten metal behind the dam closest the discharge end of the container to prevent the flux from passing through said space.

2,580,395
TORQUE DYNAMOMETER
John A. Bellizzi, United States Navy
Application December 11, 1945, Serial No. 634,336
2 Claims. (Cl. 73—136)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



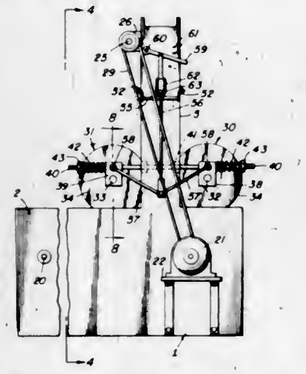
1. A dynamometer for detecting and measuring transient torques comprising a shaft carrying a cylindrical housing fixed to one end thereof in axial alignment therewith, a pair of axially spaced ball bearings mounted within the housing, a second shaft having one end extended into said housing and journaled in said bearings, a pair of carbon piles carried by the housing spaced radially from said second shaft and rectilinearly aligned perpendicular to a radius of the second shaft and lying in a plane perpendicular to the shaft axis, a block element situated between said piles and constrained to move in a straight line in alignment with the alignment of said pair of carbon piles, means carried by the housing at opposite ends of the pair of piles for adjustably and rigidly clamping the piles against the said block, an arm carried by the second shaft within the housing extending radially outward from the shaft into mechanical engagement with the said block for transmitting tangential pressure from said arm to said block and a plurality of slip rings carried by said housing.

2,580,396
RETAINING RING
Ludwig S. Bluth, Los Angeles, Calif.
Application November 9, 1946, Serial No. 708,875
1 Claim. (Cl. 85—8.9)



In a retaining ring for a cylindrical member having a concentric second member in contact therewith and an annular groove adjacent said second member, a resilient arcuate main ring portion of substantially flat rectangular cross section peripherally seated in said groove and having an edge protruding radially thereof, said main ring portion terminating in spaced radially extending ears lying in the same plane as the main ring portion, openings in each of said ears spaced substantially away from the protruding edge of said main ring portion, pins rotatably secured in said openings by means not exceeding the thickness of said ears, said pins being provided with coaxial bores, and screw means within the bores of said pins parallel to the plane of the ring and transverse to the axis thereof for varying the distance between said ears to change the effective diameter of said ring.

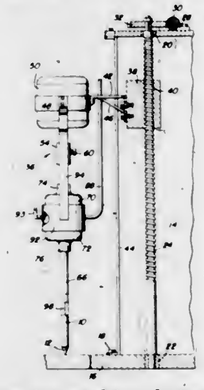
2,580,397
MACHINE FOR DECAPPING HONEYCOMBS
Thomas M. Bogenschutz, Clayton, N. Y., assignor of twenty-five per cent to Frank A. Bogenschutz, Clayton, twenty-five per cent to Harry J. Bogenschutz, Rosiere, and twenty-five per cent to Oliver C. Bogenschutz, Clayton, N. Y.
Application September 2, 1948, Serial No. 47,391
9 Claims. (Cl. 6—12)



1. In a machine for decapping honeycomb at opposite sides of honeycomb frames having

lateral upper projections at opposite ends thereof, vertically operating conveyor means mounted in upright position and attachable to said projections to suspend said frames and move the same in a vertical path, a drive for said conveyor means, means to decap the honeycomb at opposite sides of each frame simultaneously while the frame is being moved in suspended position comprising a pair of rotary power driven reels with honeycomb engaging knife bars thereon and mounted at opposite sides of the path of movement of said frames for movement outwardly of said path to disengage said knife bars from each honeycomb, and connections between said conveyor means and reels for moving said reels outwardly to disengage said knife bars from each honeycomb after decapping thereof.

2,580,398
DRILL PRESS
Roy A. Braswell, Alderson, Okla.
Application November 17, 1949, Serial No. 127,925
8 Claims. (Cl. 266—23)



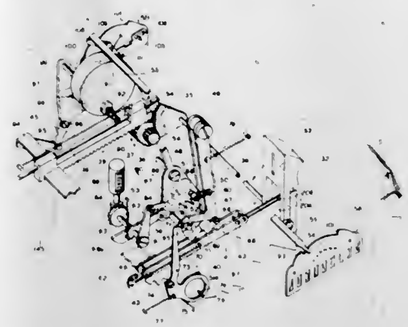
1. A machine for making holes in metal, said machine comprising a motor mounting, means operatively connected to said mounting for selectively raising and lowering the latter, hanger straps depending from the mounting, a sleeve carried by said straps, a housing member embraced by said sleeve and having an inlet port, a pair of shafts connected together for unitary rotation and extending through the member, one of said shafts being hollow and having openings therein to receive gas passing into the housing member, a motor supported by said mounting and operatively connected to said shafts, and a resilient connection between said shafts.

2,580,399
ELECTRODE AND ELECTROLYTIC CONDENSER
Joseph B. Brennan, Cleveland, Ohio
Application June 15, 1948, Serial No. 33,042
4 Claims. (Cl. 175—315)



1. An electrode comprising a porous electrolytically permeable metal strip wherein relatively thin tapered lateral portions of the strip are longitudinally folded in on a substantially flat center portion of the strip, the strip originally being of substantially isosceles triangular shape in section and ultimately being substantially rectangular in section.

2,580,400
PARKING METER AND COIN SLOT THEREFOR
Robert Broussard, Washington, D. C., assignor, by mesne assignments, to William P. MacCracken, Jr., Washington, D. C., as trustee
Application March 27, 1945, Serial No. 585,152
11 Claims. (Cl. 194—72)

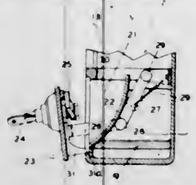


1. A parking meter comprising means for indicating the passage of time; a source of power for driving said time indicating means and including spring means for storing potential driving energy; coin receiver means horizontally mounted for forward and return rocking in a vertical plane and having a vertical slot therein for receiving a coin edgewise and, as an incident to bringing the coin edgewise in said vertical plane to a point of discharge in forwardly rocking the receiver, delivering energy to said energy storing means; carrier means operably connected with said coin receiver means and having a coin conveyor portion movable along a prescribed path in a vertical plane for accepting a coin as discharged from the receiver in its forward coin delivery position and conveying the coin in vertical position along such prescribed path to setting relation with said time indicating means and to a point of emission; means receiving the emitted coin; detent means in said last-mentioned means and normally in position for arresting the emitted coin for visible display and disposed for tripping by said carrier upon resetting the time indicating means; signalling means adapted for actuation to visible position with said time indicating means to indicate expiration of the time paid for; and coin chamber means for collecting coins released by the detent means as an incident to resetting the time indicating means.

2,580,401
PARKING METER COLLECTION RECEPTACLE
Robert Broussard, Washington, D. C., assignor, by mesne assignments, to William P. MacCracken, Jr., Washington, D. C., as trustee
Original application March 27, 1945, Serial No. 585,152. Divided and this application July 18, 1946, Serial No. 684,582
3 Claims. (Cl. 232—7)

1. In a parking meter, a housing having an opening therein, a door adapted to close said opening and having seating elements thereon, spring means urging said door into closed position and permitting bodily withdrawal of the same, means within the housing limiting the withdrawal, latch means positioned in the door and operable from the exterior of the housing for

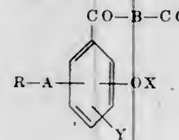
holding the door firmly in closed position, and a coin chamber defined within said housing and including a bottom slanting upwardly from said door opening, whereby withdrawal of said door to the extent of said limiting means brings the door



into a position of rest with its seating elements on the housing and retains the same in open position against the action of said spring and permits coins contained in said chamber to discharge between door and chamber bottom edge.

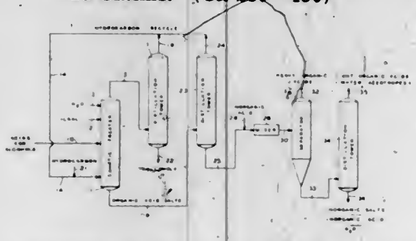
2,580,402
DERIVATIVES OF HYDROXYCYCLOALKYL-ALKYLBENZOYLALIPHATIC ACIDS AND METHODS FOR PRODUCING SAME
Robert R. Burtner, Skokie, Ill., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application March 18, 1950, Serial No. 150,549
23 Claims. (Cl. 260—520)

1. A compound of the structural formula



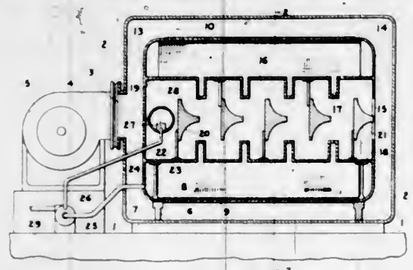
wherein R is a cycloalkyl radical of no more than six carbon atoms, X is a member of the class consisting of hydrogen and lower alkyl radicals, Y is a member of the class consisting of hydrogen, lower alkyl, hydroxyl and lower alkoxyl, A and B are bivalent aliphatic hydrocarbon radicals of no more than six carbon atoms and Z is a member of the class consisting of hydrogen and one equivalent of a cation.

2,580,403
SEPARATION OF ORGANIC ACIDS FROM ALCOHOLS
William P. Burton, Orange, Henry G. McGrath, Elizabeth, and Louis C. Rubin, West Caldwell, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application April 30, 1947, Serial No. 745,004
13 Claims. (Cl. 260—450)



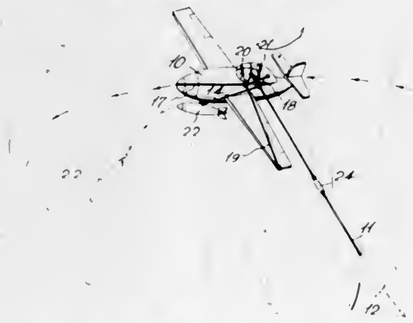
1. A process for separating organic acids and alcohols from a mixture thereof, which comprises: introducing a water-insoluble solvent into the lower portion of a reaction zone; introducing an aqueous solution of an alkali into the upper portion of said zone; introducing the mixture of said acids and alcohols into said zone at a point between the points of introduction of said water-insoluble solvent and said aqueous alkali solution to form an extract phase comprising alcohols and a raffinate phase comprising alkali salts; and separating said phases.

2,580,404
METHOD AND APPARATUS FOR CONTROLLING HUMIDITY
Burl H. Bush, United States Navy, San Francisco, Calif.
Application March 14, 1946, Serial No. 654,481
9 Claims. (Cl. 183—4.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. The method of controlling humidity consisting of supplying a moist air stream from a compartment to be dehumidified to a desiccant to effect adsorption of moisture on the desiccant and to liberate latent heat of vaporization, passing air thus partially dried and heated by latent heat of vaporization in indirect heat transfer relation with the surface of the desiccant opposite to the adsorption surface thereof to supply heat thereto, evaporating moisture adsorbed on said desiccant by subjecting it to reduced pressure, transferring the evaporated moisture separately to atmosphere and separately returning the partially dried air stream to the compartment.

2,580,405
TETHERED FLYING MODEL AND OBJECT RELEASING MECHANISM
Donald J. Byers, Washington, D. C.
Application October 1, 1945, Serial No. 619,480
3 Claims. (Cl. 46—77)



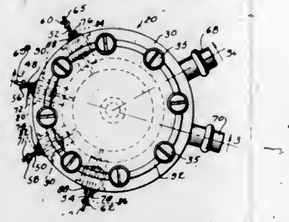
1. A controllable flying model adapted to be flown in a path approximating a circle, a tether connected thereto to restrain said model against the action of centrifugal force, said model being provided with an object-releasing mechanism operable by means of said tether, comprising a pin and eye, said pin bearing frictionally against said eye, and being movable by and in the direction of said tether, said pin and eye being releasably engageable with a carried object, said pin being withdrawable by exertion of a predetermined force, said tether being attached to said model and to said object-releasing mechanism.

2,580,406
APPARATUS FOR PORCELAIN ENAMELING SHEET METAL
Robert G. Calton, Nashville, Tenn.
Application November 2, 1949, Serial No. 125,087
In Canada October 28, 1949
3 Claims. (Cl. 91—13)



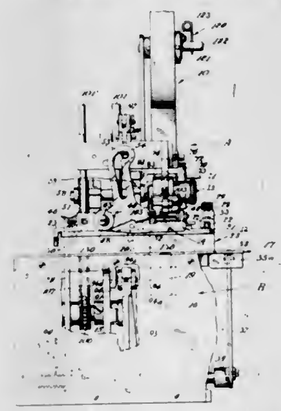
1. Apparatus for the progressive porcelain enameling of a continuous, very thin metal sheet comprising, in combination, a horizontal spindle for carrying a coil of sheet stock; laterally spaced pairs of substantially horizontally disposed gripping and feeding rollers; a spraying chamber and a firing chamber located between each pair of said spaced pairs of rollers, the entrances and exits of said chambers positioned below said rollers so that the sheet is suspended in the form of a catenary during its passage through said chambers; and independent electric motor connected to drive each of said pairs of rollers; and speed control means, including a variable resistance in the circuit of at least one of said motors and a switch connected to control said resistance, said switch being actuated by an element positioned adjacent to the path of the suspended portion of the sheet and responsive to changes in the sag of the moving sheet to vary the speed of the controlled motor and thereby maintain the sag substantially constant.

2,580,407
PRESSURE OPERATED RESISTOR
James Clark, Dayton, Ohio
Application July 7, 1947, Serial No. 759,461
2 Claims. (Cl. 201—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for translating fluid impulses into electrical impulses which comprises a hollow housing, a flat circular diaphragm secured at its periphery within the hollow of said housing so as to divide the interior of said housing into two pressuretight chambers, one for receiving a reference pressure and the other for receiving the pressure to be measured, two similar diametrically opposed strain gauge means in each of said chambers bonded to said diaphragm, pressure sealed means for insulatedly conveying the eight terminals of the four strain gauge means through the wall of said housing, a fluid pressure connection extending into each of said chambers, and means outside the housing connecting the eight terminals of the four strain gauge means into four pairs whereby said strain gauge means may compose the four arms of an A.-C. or D.-C. bridge.

2,580,408
PINTICKET MANUFACTURING AND ATTACHING MACHINE
Robert W. Clauss, New York, N. Y.
Original application April 30, 1947, Serial No. 744,921. Divided and this application October 25, 1948, Serial No. 56,330
2 Claims. (Cl. 164—42)



1. In a pinticket manufacturing and attaching machine, having a support, a scissor comprising a fixed knife portion, and a movable knife portion, each having a pivot opening at one end, and each having cutting blades, and at one side of the support, a central stem supported by said support and extending from either side of said support, and passing through said pivot openings, a ball at the scissor end of the stem, a washer on said stem having a concave depression for said ball disposed between said movable knife portions and said ball, said stem having its other end extending out of the other end of the support, diametrically opposite cutouts, a resilient plate having a slot, the walls of which engage the cutouts, and having an opening spaced from the slot, and a screw engaging said opening of the plate, for fastening the plate to the said support with the slot of the plate in spaced relation to the frame, whereby a relative movement of the movable knife is permitted, and the plate acts resiliently to keep the cutting blades together, regardless of the direction of the pull of the resilient plate on the stem.

2,580,409
PROCESS FOR TREATING TIDAL LANDS SUBJECTED TO SEWAGE
Robert E. Cornish, Berkeley, Calif.
No Drawing. Application December 6, 1947, Serial No. 790,243
5 Claims. (Cl. 210—2)

1. In a sewage disposal system wherein sewage is discharged into a body of water having a mud bed, the process of inhibiting the release of hydrogen sulphide formed by the interaction of organic matter in said sewage and sulphates in said water which consists in depositing on said bed

of a catalytic oxidizing agent of the class consisting of iron and substantially water insoluble salts thereof which react with hydrogen sulphide to form an iron sulphide, and causing said iron sulphide to react with oxygen in the water or atmosphere to reconstitute an iron compound which will in turn again react with hydrogen sulphide whereby the original oxidizing agent will go into and out of the chemical process on each cycle to combine with and destroy hydrogen sulphide as the latter is generated.

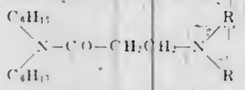
2,580,410
ADAPTER FOR STOKES LITTERS
Charles E. Cummiskey, Grosse Pointe, Mich.
Continuation of application Serial No. 639,884, January 8, 1946. This application November 7, 1949, Serial No. 126,004
3 Claims. (Cl. 5—82)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An adaptor for use with a basket type litter, comprising a tubular body having bent ends, handles at each end of said body engageable with web type litter supports, stop members on each handle for restraining movement out of said supports, clamp means on said body engageable with frame members of a litter, and reinforcing means at the bent portions of said body, said bent portions being in supporting contact with said frame members.

2,580,411
DIHEXYL ALANINE DIALKYLAMIDES
John W. Cusic, Skokie, Ill., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application October 23, 1948, Serial No. 56,257
4 Claims. (Cl. 260—561)

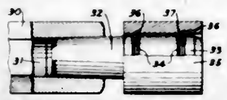
1. A member of the group consisting of an N,N - dihexyl - β - dialkylaminopropionamide and salts thereof, said N,N-dihexyl-β-dialkylaminopropionamide having the formula



wherein R is a lower alkyl radical selected from the group consisting of methyl and ethyl radicals.

2,580,412
NONDEFORMING HOLDING MEANS FOR GAUGES
William J. Darmody, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of War
Application July 13, 1946, Serial No. 683,379
10 Claims. (Cl. 33—178)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. Means for determining the dimensions of a work piece including supporting means providing for the handling of the device, gaging means providing for the measuring of the surface to be measured, said supporting means and said gaging means having opposed surfaces each bearing a mutually confronting groove, and a resilient non-heat-conducting means lying in said opposed grooves interposed between said supporting means and said gaging means and holding



them in spaced-apart connection for ready attachment or detachment.

2,580,413
COMBINED NOISEMAKER AND ACTION TOY
Carl H. Dietze, Jr., Maplewood, N. J.
Application May 12, 1949, Serial No. 92,830
5 Claims. (Cl. 46—118)



1. A toy of the character described, comprising, in combination, an action toy, a noisemaker comprising a reed and a substantially curved portion, said action toy and said noisemaker being operatively joined to each other, and connecting means having base and slotted portions, the base portion of said connecting means being attached to said action toy and the slotted part of said connecting means engaging the reed of the noisemaker.

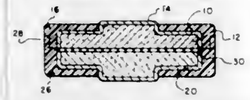
2,580,414
CAPSULE
Thomas Edward Duffey, West Palm Beach, Fla.
Application March 1, 1948, Serial No. 12,450
11 Claims. (Cl. 206—84)



6. A packaged insecticide, comprising a sealed soft gelatine capsule, said soft gelatine being capable of further softening in an aqueous medium, a pesticide solution within said capsule, and a stretched rubber band surrounding said capsule and exerting an inwardly directed pressure against such capsule sufficient to rupture said capsule automatically when it softens in an aqueous medium.

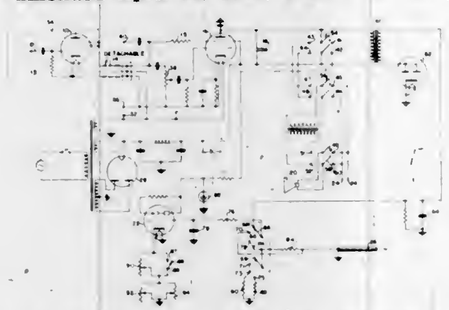
2,580,415
PRIMARY CELL STRUCTURE
Grenville B. Ellis, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army
Application November 3, 1950, Serial No. 194,001
3 Claims. (Cl. 136—133)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A leak-resistant primary alkaline dry cell having a cathodic element, an anodic element and an ionically conductive barrier disposed between said elements, the first of said elements being housed in a first metal container, a first jacket of thermo-plastic insulating material firmly bonded to said first metal container but leaving an exposed circuit terminal at the closed end thereof, said first jacket being rabbeted at its open edges, the second of said elements being housed in a second metal container, a second jacket of thermo-plastic insulating material firmly bonded to said second metal container, but leaving an exposed circuit terminal at the closed end thereof, the open edges of said second jacket being rabbeted to receive the rabbeted



edges of said first jacket, said barrier being disposed beyond said first and said second metal containers and said first and second jackets being thermo-plastically sealed at their junction whereby said elements are hermetically sealed within said jackets.

2,580,416
ELECTRON PROD
Arthur E. Ericson, Beverly, Mass.
Application June 17, 1946, Serial No. 677,148
5 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

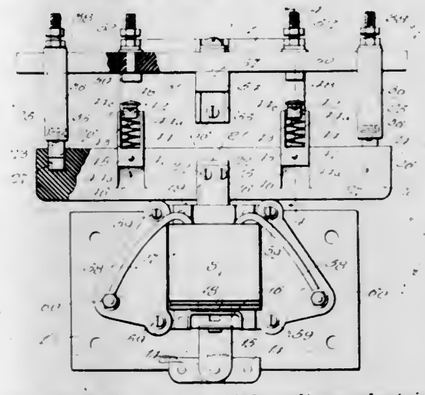


1. A test instrument for testing electronic apparatus in which audio-frequency modulated radio-frequencies appear, comprising a first electron tube connected as an untuned triode grid leak detector, said detector being adapted to detect and amplify said modulation, means for applying a modulated signal to said detector, a second electron tube connected as an untuned amplifier, means coupling the audio-frequency output of said detector to said untuned amplifier, a rectifier coupled to said untuned amplifier adapted to produce a negative direct current voltage output, an electron ray tube having a control grid, and means for applying said negative voltage output to said control grid, the action of said electron ray upon application of said negative voltage being indicative of the magnitude of the audio-frequency of said signal applied to said detector.

2,580,417
PROCESS FOR PREPARING CHROME TANNING MATERIAL
Robert P. Follett, Needham, and Wallace J. Murray, Dedham, Mass., assignors to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application August 10, 1950, Serial No. 178,761
10 Claims. (Cl. 260—406)

1. The process of simultaneously preparing a tanning material and valuable by-product organic acids which includes contacting a hexavalent chromium compound with sulfuric acid in the ratio of one mol of chromium compound to about three mols of acid, and treating the resultant product with unsaturated organic acids capable of yielding primary oxidation products stable in the environment of oxidation, simultaneously and mutually oxidizing and reducing said organic acids and said bichromate to yield basic chromic sulfate, drying the reaction mass of substantially all of the water contained therein, and separating said basic chromic sulfate from said dried product.

2,580,418
HIGH-FREQUENCY ELECTRICAL APPARATUS
Joseph F. Frese, Baltimore, Md., assignor to The Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application May 27, 1944, Serial No. 537,703
7 Claims. (Cl. 200—171)

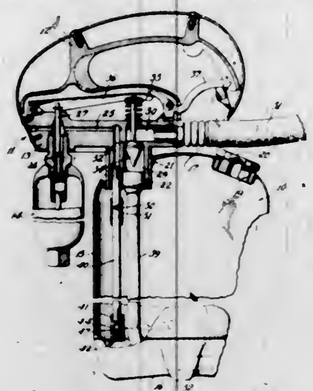


1. In a high frequency high voltage electrical switch, a contact supporting panel, pairs of spaced contacts carried by said panel, a movable actuator carrying a bar of insulation material displaceable toward and away from said contacts symmetrically therebetween, said bar of insulation material having aligned grooves in opposite sides thereof disposed in alignment with the pairs of spaced contacts on said panel, a substantially U-shaped strip member having a solid central portion and solid end portions interconnected by perforated side portions, the solid end portions of said strip member extending into the aligned grooves in said bar of insulation material and secured thereto and the solid central portion of said strip member extending in spaced relation to said bar of insulation material and directed between said spaced contacts, a conductive bar member extending through the perforated side portions of said strip member transversely of said bar of insulation material, contacts carried by opposite ends of said conductive bar member in alignment with the contacts on said panel and a coil spring interposed between said bar of insulation material and said conductive bar member for continuously urging the contacts on said conductive bar member into yieldable connection with the contacts on said panel when said bar of insulation material is shifted to actuated position with the solid central portion of said strip member constituting a limiting stop for said conductive bar member under the action of said coil spring.

2,580,419
FIRE-EXTINGUISHING APPARATUS
Nelson S. Griggs, Shelburne, Vt., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application May 12, 1949, Serial No. 92,806
9 Claims. (Cl. 169—31)

1. In fire extinguishing apparatus, a container

for a charge of fire extinguishing medium, discharge outlet means for said container at the upper end thereof, means for introducing pressure medium to expel the fire extinguishing medium from said container including a tube extending from the upper end to substantially the lower end of said container, said tube having an



outlet at the lower end thereof, and a syphon tube in fluid flow connection with said outlet means extending downwardly adjacent said first tube to the bottom of said container, said syphon tube having a section extending along substantially the bottom of said container in a direction away from said first tube and provided with an inlet facing in a direction opposite said first tube.

2,580,420

APPARATUS FOR PROCESSING FOOD STOCK

Donald W. Griswold, Oberlin, and Harold N. Ricket, Amherst, Ohio, assignors to The American Specialty Company, Amherst, Ohio, a corporation of Ohio

Application May 3, 1947, Serial No. 745,882
3 Claims. (Cl. 134—73)



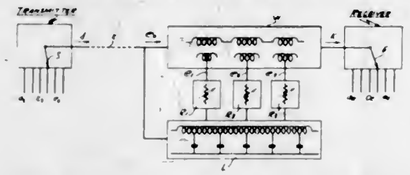
3. Apparatus for processing food stock comprising a frame, a water tank mounted therein, a pump and conduits recirculating water through the tank including adjustable nozzles discharging into the tank in the direction of water movement therethrough, means for maintaining a water level in the tank, a plurality of adjacent screens of consecutively finer mesh for straining the water adjacently forwardly of the pump, tank sediment drainage means, an endless foraminous conveyor and means for moving the same through the tank and in an area exteriorly of the tank, conveyor rollers, and a guiding support for the conveyor over which the latter travels, said support having a vertically-movable tank section, at least one fixed section exteriorly of the tank, and a section intermediate the aforementioned sections, pivotally secured to the tank section, and extending in an upwardly inclined direction from the tank and exteriorly thereof to a position adjacent the fixed section, means for vertically adjusting the tank section of the conveyor support to vary the depth at which the stock carried by the conveyor is conveyed through the tank, means for reciprocating the nozzles longitudinally of the tank, means for spraying the stock exteriorly of the tank upon both the upper and lower faces of the conveyor run carrying the stock, means for reciprocating the last-mentioned spraying means longitudinally of the stock run and at a speed greater than the stock run, conveying means receiving the processed stock from the conveyor, and means for tensioning the conveyor in accordance with the disposition thereof occasioned by the adjustment of the conveyor support.

2,580,421

CROSS-TALK COMPENSATION IN PULSE MULTIPLEX SYSTEM

Gustav Guanella, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York

Application November 9, 1945, Serial No. 627,721
In Switzerland December 23, 1944
5 Claims. (Cl. 179—15)



1. The combination with a time-division pulse multiplex signalling system of the type including synchronously operating switching devices for transmitting and receiving equi-spaced signal pulses with like-order pulses of successive equal-numbered groups of pulses being modulated in accordance with different modulating signals, to provide a plurality of pulse time signal channels, of means for suppressing cross-talk between adjacent pulse time channels due to distortion caused by flattening of said pulses comprising a main signal path traversed by the distorted multiplex pulse signal, at least one auxiliary signal path, means for applying pulse signal energy from said main signal path to said auxiliary signal path, time-delay means in said auxiliary signal path for producing retarded pulses lagging the respective pulses in said main signal path by a time period equal to the spacing interval between successive pulse time channels of said system, and further means including attenuation means connected between said auxiliary signal path and said main signal path, for re-applying the retarded pulses to said main signal path with such polarity and amplitude, to substantially cancel cross-talk interference from one pulse time channel upon the succeeding channel of said system.

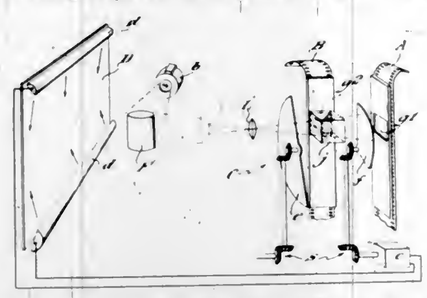
2,580,422

SYSTEM OF COMPOSITE PHOTOGRAPHY

Frank George Gunn, Ickenham, England, assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine

Application August 19, 1947, Serial No. 769,402
In Great Britain September 8, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 8, 1961.
56 Claims. (Cl. 88—16)

1. In the art of making a composite picture from separate exposures of foreground and background scenes by means of a mask having an outline corresponding to that of the foreground portion of the picture, the method of making the mask which comprises exposing a plurality of films to a field including a foreground part and a background part, the films being exposed concomitantly during recurrent intervals, one of the films being exposed during only a part of each



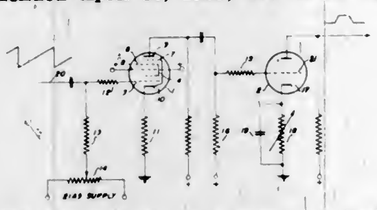
interval, and changing the illumination of one of said parts of the field during said part of each interval.

2,580,423

NEGATIVE RESISTANCE PULSE GENERATOR

Robert C. Guthrie, Washington, D. C.

Application May 29, 1943, Serial No. 488,971
8 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination of, a vacuum tube having at least a plate, a cathode, a screen grid, a control grid and one other plate current control electrode between the screen grid and the plate, means applying fixed operating potentials to said screen and plate electrodes, an unbypassed resistor returning said cathode to ground for causing the cathode potential to follow the signal variations applied to the control grid, signal input means coupled to said control grid for delivering large positive signal voltage variations thereto, and means returning said other plate current control electrode to a point of potential negative of the cathode whereby increases in cathode potentials cause a decrease in plate current.

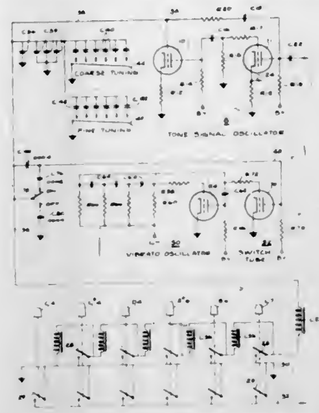
2,580,424

VIBRATO APPARATUS FOR ELECTRICAL MUSICAL INSTRUMENTS

John M. Hanert, Park Ridge, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware

Application August 22, 1949, Serial No. 111,743
6 Claims. (Cl. 84—1.25)

1. In an electrical musical instrument having an inductance capacitance resonant circuit the resonant frequency of which determines the frequency of an electrical tone signal generator, the combination of an oscillator operating at a vibrato frequency, a triode, a current limiting coupling connection between the output of the oscillator and the input of the triode, the response characteristics of the triode to input voltages being such that the negative and positive voltage peaks produced by the vibrato frequency oscillator are much greater respectively than the levels necessary to cut off the triode and cause grid current therein, a capacitor, and means including the cathode circuit of said triode for effectively coupling said capacitor in said



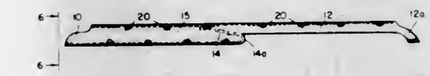
resonant circuit whenever the triode is rendered conductive during the positive swing of the output of the oscillator.

2,580,425

HAIR CURLER

Richard E. Harvuot, Los Angeles, and Anita J. Jones, Palm Springs, Calif.

Application August 2, 1947, Serial No. 765,728
4 Claims. (Cl. 132—44)



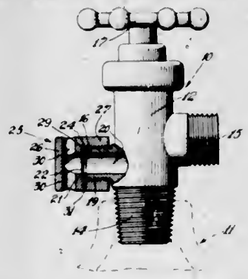
1. A hair curler comprising a soft, resilient, tubular, curl-receiving mandrel having a tapered inner end, a soft, resilient outer end extension providing a curl retainer and a relatively short, soft, resilient outer end projection underlying said curl retainer, said retainer being adapted to be swung into position against and substantially parallel with the mandrel and terminating in a looped portion engageable over said tapered inner end of the mandrel to anchor said retainer in position clamping a curl on said mandrel, and said projection being folded into the outer end of the mandrel to provide a fulcrum for said retainer.

2,580,426

WARNING MEANS FOR SAFETY DISCHARGE OUTLETS

Henry E. Heigis, Nutley, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey

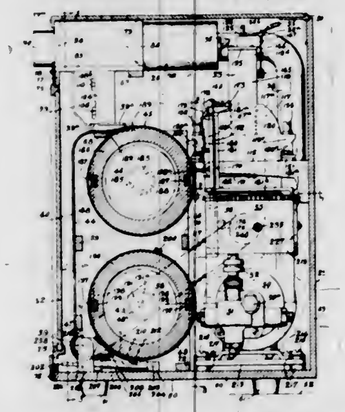
Application November 16, 1949, Serial No. 127,635
6 Claims. (Cl. 116—70)



1. In a valve or the like for fluid medium under pressure, the combination of safety discharge out-

let means formed with an opening and a seat surrounding said opening, a safety disc on said seat for closing said opening, and means removably secured to said outlet means for normally retaining said disc on said seat to form a pressure-tight seal, one of said means having a passageway extending from said seat to the exterior thereof for permitting fluid medium confined by said disc to escape therethrough and to serve as a warning vent only when an attempt is made to remove said disc retaining means while pressure medium is confined by said disc whereby the seal is broken.

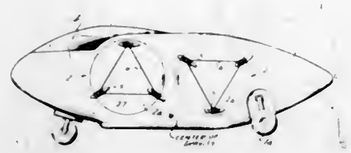
2,580,427
RECORDING SYSTEM
Carl A. Helland, Denver, Colo., assignor to Helland Research Corporation, Denver, Colo., a corporation of Colorado
Application August 11, 1944, Serial No. 549,104
17 Claims. (Cl. 346—108)



16. In recording apparatus for recording the time-variations of electrical phenomena, a source of invisible radiations which transmits a maximum of energy at predetermined wave length, a recording medium including a substance of maximum response to such wave length, said substance containing means which produce an immediately visible trace upon the incidence of such radiation, a galvanometer having a coil responsive to said time variations, and a mirror movable with said coil to reflect said radiations and cause them to move as a pointer with the movements of said coil and to impinge upon said recording medium to produce a trace.

2,580,428
CYCLOIDAL ROTOR FOR AIRCRAFT
Herbert M. Heuver, Dayton, Ohio
Application July 10, 1945, Serial No. 604,281
4 Claims. (Cl. 170—148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A cycloidal propeller for aircraft comprising, a rotatably mounted rotor having a plurality of blades extending therefrom in generally parallel relation and rotatable with said rotor, means mounting each of said blades for rotation about its longitudinal axis relative to said rotor, a control mechanism for regulating the rotative positions of said blades with respect to said rotor including first sprocket members coaxial of said blades and second sprocket members coaxial of said rotor and said first sprocket members being fixed on the respective blades, independent chain drive means connecting the respective first and second sprocket members, a pin near the axis of rotation of said rotor and rotatable with said rotor, means for adjusting the position of said pin from a coaxial to an eccentric position relative to said rotor, a lever means rotatably mounted on said pin and having oppositely extending por-



tions extending radially therefrom, similar pairs of links for connecting each of said second sprocket members to one oppositely extending lever portion and for connecting the other oppositely extending lever portion to a relatively stationary element spaced radially outwardly from said pin and said lever means.

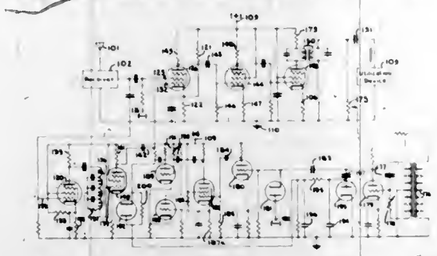
2,580,429
CATALYTIC STRUCTURE OF SILICA ON ALUMINA-COATED PORCELAIN
Eugene J. Houdry, Ardmore, Pa., and James W. Harrison, Woodbury, N. J.; said Harrison, assignor to said Houdry
No Drawing. Application September 23, 1949, Serial No. 117,489
7 Claims. (Cl. 252—455)

7. The process of manufacturing a catalyst structure which comprises adding finely divided alumina to a saturated solution of aluminum nitrated and grinding to produce a heterogeneous solution of aluminum nitrate and finely divided alumina, applying said solution to a film support of catalytically inert porcelain, subjecting the coated porcelain to the temperature required to leave on the porcelain support a film of active alumina, applying to the alumina film-coated porcelain support an organic compound containing silica until the alumina is saturated, draining off excess liquid, heating the silica-impregnated alumina film to the relatively low temperature required to remove the moisture, heating the silica-impregnated alumina film in an oxidizing atmosphere to the temperature required to decompose the organic silicate and permit the silica to react with the alumina, and repeating the operation until the ratio of silica to alumina is between 1:10 and 1:2.

2,580,430
CATALYZED SULFIDE-HYDROCARBON REACTION PRODUCTS AND METHOD OF MAKING SAME
Everett C. Hughes, Cleveland Heights, and John D. Bartleson, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 24, 1946, Serial No. 692,930
19 Claims. (Cl. 252—32.7)

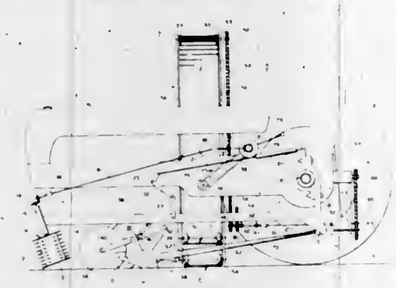
1. The reaction product of a saturated hydrocarbon oil and an amount within the range of about one to about twenty percent by weight of a phosphorus sulfide reacted in the presence of not over 10% of a halide catalyst at a temperature in the range of about 250° to about 600° F. so as to produce a lubricant.

2,580,431
COMMUNICATION SYSTEM
Garold K. Jensen and Jacob Benveniste, United States Navy
Application July 14, 1945, Serial No. 605,168
3 Claims. (Cl. 250—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



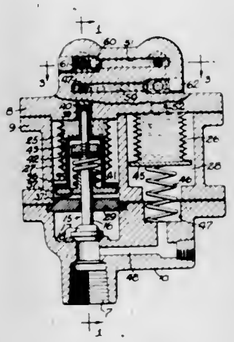
1. A pulse communication system comprising, a means for generating a series of pulse signals, means for frequency modulating said pulse signals in accordance with the intelligence it is desired to transmit, means for transforming each pulse signal in said series into a pair of predeterminedly time spaced pulse signals, means transmitting said pairs of pulse sginals, means receiving said pairs of signals at a remote point, a pair of amplification channels, means feeding said pairs of received signals in parallel to said channels, a delay means inserted in one of said channels and acting to delay the output therefrom by an interval of time equal to the spacing between the pulses comprising each of said pairs, means adapted to receive the output from each of said channels, said last named means operating to produce a single pulse output in response to coincidental signals from said channels, means for transforming the pulse output from said last named means into a frequency modulated sine wave and a gating means for further operating said last named means, said gating means comprising a phase shifting device adapted to receive the frequency modulated sine wave output, means for squaring up said phase shifted output, and a pulse generator operating in response to the output of said squaring means and applying a pulse gate to said last named means.

2,580,432
BEET HARVESTER WITH LIFTER
Theron H. Jensen, Cowley, Wyo.
Application July 28, 1947, Serial No. 764,180
12 Claims. (Cl. 55—106)



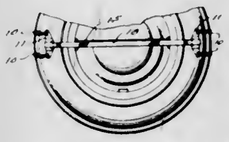
1. Apparatus for harvesting sugar beets and the like, comprising a windrower for moving sugar beet tops and other growth above ground to one side, said windrower including an endless belt having a plurality of projections for catching beet tops and the like, said belt moving around an axis at one end of its traverse so as to throw off such beet tops and the like, said axis being disposed at an angle to the ground level; at least one digger for removing beets from the ground; and means for supporting said digger and windrower and moving the same along a row of beets or the like.

2,580,433
VALVE
Clifford Hasty Kain, Los Altos, Calif.
Application November 30, 1944, Serial No. 565,904
9 Claims. (Cl. 137—145)



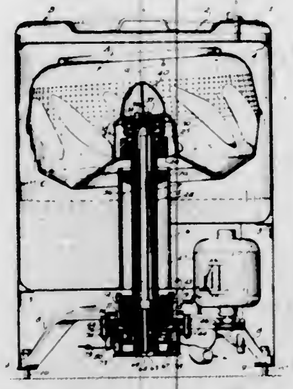
1. In an automatic valve, in combination, means defining a passage for receiving fluid under pressure, said passage terminating in an outlet port, a valve member shiftable to open or close said port, a liquid filled bellows, means providing a lost-motion connection between said bellows and said valve member, said bellows having an outlet, an opening from said passage for subjecting said bellows to the pressure of the fluid therein when the valve member is in the closed position whereby said bellows is compressed and the liquid therein discharged through said outlet, said bellows operating through said lost-motion connection to shift said valve member to open position upon discharge of a predetermined quantity of the liquid therefrom, and valve means controlling the rate of discharge from said bellows.

2,580,434
VEHICLE TRACTION DEVICE
James A. Kennedy, Ann Arbor Township, Washtenaw County, Mich.
Application April 26, 1948, Serial No. 23,330
3 Claims. (Cl. 152—233)



1. A traction assembly for motor vehicles having wheels with tires, said assembly comprising two headers, two pieces of chain of equal length arranged parallel to each other and adapted when the assembly is applied to a wheel to overlie the tire transversely thereof; a locking buckle on each of said headers, each of said buckles adapted to receive one of the two identical ends of an attaching strap.

2,580,435
WASHING MACHINE
James B. Kirby, West Richfield, Ohio, assignor to The Apex Electrical Manufacturing Co., Cleveland, Ohio, a corporation of Ohio, as trustee
Application January 29, 1947, Serial No. 725,032
18 Claims. (Cl. 68—23)



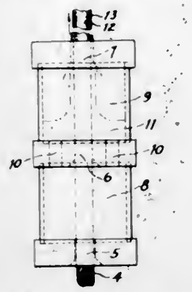
6. In a washing and extracting machine, the combination of a base, a pedestal supported by the base by means including a flexible mounting permitting lateral movement of the upper end of said pedestal, a hollow shaft supported by the pedestal, a second shaft within said hollow shaft, a clothes container and extractor supported by the pedestal and connected to be operated by said shafts, inertia means fixed to said pedestal adjacent said container with its center of mass coincident with the axis of said pedestal, resilient restraining means between said base and said pedestal yieldably resisting lateral movement of said pedestal with respect to said base, and means for controlling said shafts to wash or extract the clothes in said container.

2,580,436
PIN BEARING, MATERIAL THEREFOR, AND METHOD OF MAKING
Armand F. Knoblaugh, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application April 10, 1948, Serial No. 20,316
12 Claims. (Cl. 308—238)



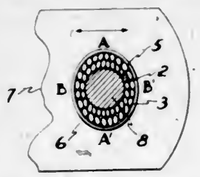
7. In a bearing assembly for use in a piano action, a perforated bearing holder, a tightly braided tubular sleeve of fibrous filaments inserted in the perforation in said holder, said tubular sleeve being in cross-sectionally contracted condition and having a coating of cementitious substance thereon binding said filaments in the contracted condition, and a shaft element in said tubular sleeve, the internal diameter of said tubular sleeve in the contracted condition being slightly smaller than the external diameter of said shaft, so as to snugly receive said shaft, the interior surface of said tubular sleeve being free of said cementitious substance.

2,580,437
BEARING, BEARING MATERIAL, AND METHOD OF FABRICATING BEARINGS
Armand F. Knoblaugh, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application June 16, 1948, Serial No. 33,404
16 Claims. (Cl. 29—149.5)



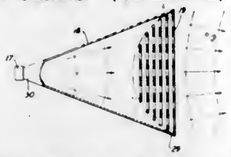
1. A composite material for bearings, comprising a dimensioning rod of a selected size related to a shaft to employ a bearing derived from the material, a tubular body composed of braided elements in close relationship tightly enclosing said rod, and a cementitious coating on said tubular body binding said braided elements in said close relationship but penetrating only partially into said body so that the interior portion thereof adjacent said rod is free of said coating, whereby upon inserting a portion of said material into an adapting bearing holder, upon removal of the corresponding portion of said rod an adapting bearing is formed suitable for a shaft related in size to said rod.

2,580,438
BEARING ASSEMBLY
Armand F. Knoblaugh, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application January 3, 1949, Serial No. 68,846
9 Claims. (Cl. 308—238)



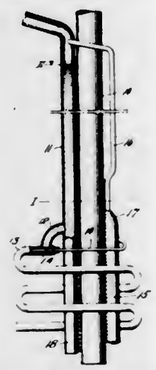
9. A bearing assembly comprising a holder having different dimensional sensitivities to humidity in diverse directions therein, a bearing dimensionally sensitive to humidity, contained in the holder so that the axis of the bearing extends transverse to the directions of sensitivity of the holder, and a shaft in the bearing holding the bearing in a state of resilient compression, the sensitivity of the bearing to humidity being less than the sensitivity of the holder in its direction of greater sensitivity and greater than that of the holder in its direction of lesser sensitivity, the respective positive and negative differential sensitivities compensating for each other over a range of relative humidity of the surrounding atmosphere of substantially 20% to substantially 75% so that the change in frictional rotation of the shaft in the bearing is not greater than 2 to 1.

2,580,439
DIRECTIONAL ACOUSTIC SYSTEM
Winston E. Kock, Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 7, 1949, Serial No. 114,319
7 Claims. (Cl. 179—1)



1. A directive acoustic system comprising an acoustic refractor, an acoustic transducer positioned at one focus of said refractor, and a closed continuous shield extending from said transducer to said refractor.

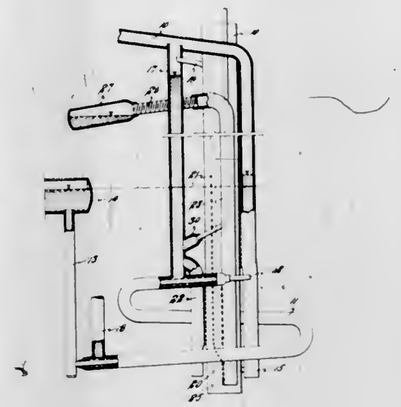
2,580,440
ABSORPTION REFRIGERATION
Wilhelm Georg Kögel, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application March 12, 1946, Serial No. 653,782
In Sweden March 26, 1945
7 Claims. (Cl. 62—119.5)



1. In an absorption refrigeration system, a circuit for absorption liquid including an upright riser pipe which is connected to receive liquid at a first level and deliver liquid from a second higher level, said riser pipe having one portion extending downwardly from said first level which is closed at its lower end and forms a dead-end chamber or pocket for fluid, each vertical part of said riser pipe being vertically displaced from adjacent parts so that one portion of said riser pipe does not overlap another portion thereof, said dead-end chamber or pocket and the portion of said riser pipe above said first level having cross-sectional areas large and small enough, respectively, to permit and prevent free relative movement of vapor and liquid therein.

2,580,441
ABSORPTION REFRIGERATION
Wilhelm Georg Kögel, Stockholm, Sweden, assignor, by mesne assignments, to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application April 6, 1946, Serial No. 660,151
In Sweden April 17, 1945
7 Claims. (Cl. 62—119.5)

1. In an absorption refrigerating system of the inert gas type including a refrigerant vapor supply line, an upright heating flue, a circuit for absorption solution including an absorber and a vapor expulsion unit comprising first and second conduits and a vapor lift tube, said first conduit being thermally connected to said flue and connected to receive absorption solution from said absorber, said vapor lift tube having a heat receiving and vapor forming part heat conductively connected to said flue and connected in said circuit to receive solution from said first conduit and deliver solution to a first upper portion of said second conduit, a connection for conducting solution from said second conduit to said absorber, means including said flue for supplying

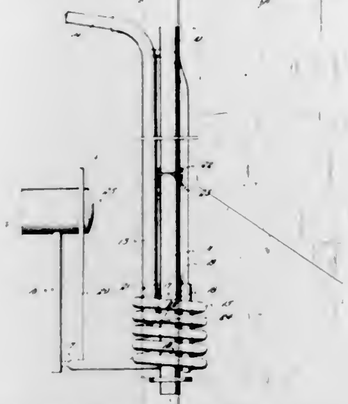


heat to a lower second portion of said second conduit at a temperature level substantially as high as that at which heat is supplied to said lift tube part, and said second conduit having the upper first portion thereof spaced from and out of thermal contact with said upright flue and being constructed and arranged so that vapor formed in the lower second portion thereof passes to the upper first portion thereof in intimate contact with solution to produce an internally heated zone, the upper end of the first portion of said second conduit being in communication with said vapor supply line for conducting vapor from said internally heated zone.

2,580,442
ABSORPTION REFRIGERATION SYSTEM
Wilhelm Georg Kögel, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application May 16, 1946, Serial No. 670,145
In Sweden June 13, 1945
20 Claims. (Cl. 62—119.5)

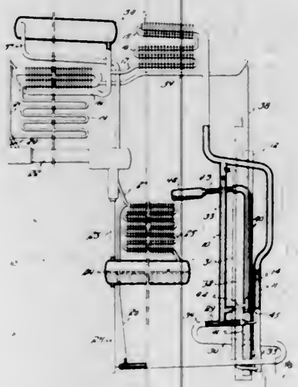
1. In an absorption refrigeration system, a heating flue including at least two sections having poor heat conducting paths therebetween and of which either a first section or a second section is adapted to be utilized as the highest temperature heat input region of said flue, an absorption solution circuit comprising a vapor expulsion unit including piping in heat transfer relation with said first flue section, said piping forming a portion of said circuit traversed by absorption solution, and means to hold solution

which is in communication with said piping, said solution holding means being in heat transfer



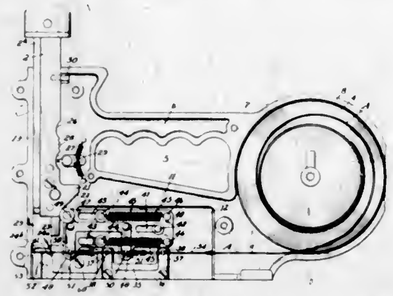
relation with said second flue section and outside said circuit portion traversed by solution.

2,580,443
ABSORPTION REFRIGERATION
Wilhelm Georg Kögel, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application May 1, 1948, Serial No. 24,545
In Sweden May 7, 1947
15 Claims. (Cl. 62—119.5)



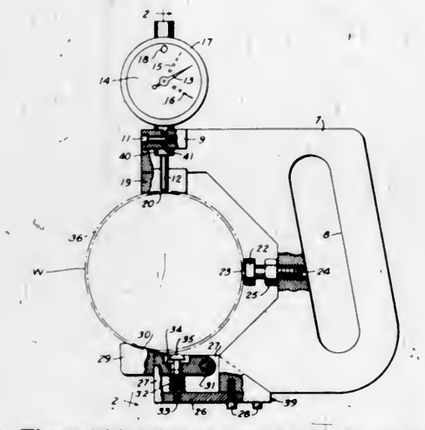
1. In an absorption refrigeration system having a plurality of interconnected parts, a heating flue having a lower heat input end, a circuit for absorption solution comprising parts including a liquid heat exchanger, a boiler element and a first vapor lift tube, said element and said first lift tube being in thermal contact with said heating flue, said heating flue and element having portions projecting downwardly from the highest point of the liquid heat exchanger, connecting means for conducting absorption solution from said circuit to a higher located part in said system including a second vapor lift tube connected to receive absorption solution at one region and deliver raised solution to said higher located part, and said second lift tube having a portion projecting downwardly from said solution receiving region which is adapted to receive heat from the downwardly projecting portion of said heating flue, the portion of said second lift tube extending above said solution receiving region being arranged to receive substantially all of the vapor formed in the downwardly projecting portion of said second lift tube and passing upwardly therefrom.

2,580,444
FASTENER FORMING AND DRIVING DEVICE
Joseph C. Lang, Pittsburgh, Pa., assignor to Bocjl Corporation, Pittsburgh, Pa., a corporation of Delaware
Application December 12, 1945, Serial No. 634,537
14 Claims. (Cl. 1—51)



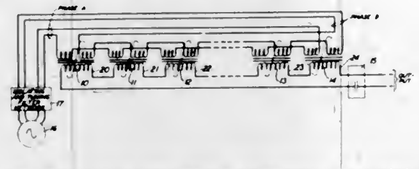
1. A driving machine for accepting a prepared strip and converting the same successively into fasteners and driving the same, said machine comprising a housing, a plunger in the housing, the plunger having a combined shear and driving portion, means for advancing the strip under the plunger whereby predetermined lengths of the strip are successively removed and driven, and means on the plunger in advance of the plunger, relatively to the travel of the strip, for engaging an edge portion of the strip less than the full width of the strip and turning said edge portion down about an axis transverse to the width of the strip to form on each length to be subsequently sheared a downwardly turned leg.

2,580,445
DEPTH-OF-GROOVE GAUGE
John Longworth, Haddon Heights, N. J.
Application February 24, 1948, Serial No. 10,550
2 Claims. (Cl. 33—147)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination in a snap gage for measuring the depth of a circumferential groove in a cylindrical work piece comprising, a substantially C-shaped frame having opposed first and second free ends, a first non-yielding work engaging member extending from the first end of said frame to contact the bottom of the groove being measured, a yielding work engaging member resiliently mounted on the second end of said frame to contact the bottom of the groove being measured and give clamping support for holding gage and workpiece together, an indicating device mounted on the frame's first end spaced from said first nonyielding work engaging member and having a gaging stem which contacts the surface of the work adjacent the top of the groove being measured and is movable relative to said frame along a line parallel to the side of said frame and said first work engaging member, and a second nonyielding work engaging member threadedly attached to and extending from said frame intermediate the first and second free ends for making contact with the bottom of the groove being measured and adjustable to permit placement of the work relative to the gage so that the axis of the work piece intersects a line continuous with the axis of said indicating device's gaging stem.

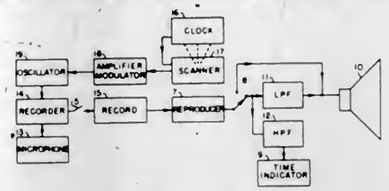
2,580,446
HARMONIC GENERATOR
Clarence A. Lovell, Summit, N. J., and David B. Parkinson, Cleveland Heights, Ohio, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1948, Serial No. 68,555
7 Claims. (Cl. 321—68)



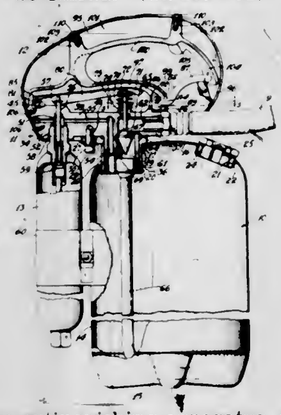
7. A harmonic frequency changer comprising a plurality of saturable cores each providing an independent electromagnetic flux path, apparatus for inducing saturating alternating current fluxes in each of said independent flux paths comprising a first set of windings connected to one phase of alternating current source and a second set of windings interlinking each of said independent flux paths connected to a second phase of an alternating current source, apparatus including said independent flux paths and said interconnections for causing the total flux within each of said independent flux paths to pass through zero at successively different instants of time and at successive instants of time which are separated by substantially uniform intervals of time.

2,580,447
TIME RECORDING SYSTEM
Samuel G. Lutz, University Heights, N. Y.
Application March 21, 1947, Serial No. 736,190
7 Claims. (Cl. 58—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination, a clock operated pulse time generator periodically operative to produce a wavetrain of voltage pulses comprising a first pulse group of one to twelve pulses representing the hours of the day, a second pulse group of one to twelve pulses representing five minute intervals, a third pulse group of one to ten pulses representing half minutes, a time indicating means responsive to said three pulse groups and operative to indicate time in terms of hours, minutes, and half minutes.

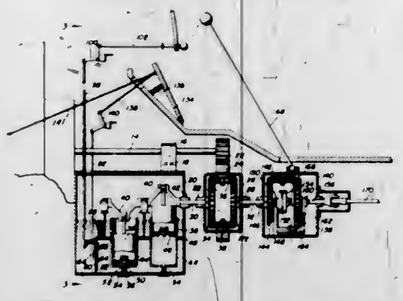


2,580,448
PORTABLE FIRE EXTINGUISHING APPARATUS
Daniel Mapes, West Caldwell, and William A. V. Thomsen, Glen Ridge, N. J., assignors to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application June 9, 1949, Serial No. 98,127
20 Claims. (Cl. 169—31)



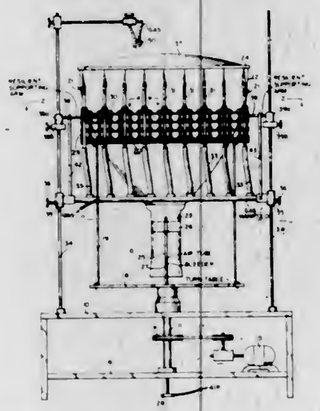
1. In fire extinguishing apparatus, a container for receiving a charge of fire extinguishing medium having an opening at the upper end thereof, and a discharge control unit secured to said container at the opening thereof; said unit comprising a body having a duct provided with an inlet for a source of pressure medium and provided with an outlet in communication with the interior of said container, and said body having a discharge passage provided with an inlet, an outlet and a valve seat intermediate said passage inlet and outlet; a tube connected to said passage inlet and extending to the lower interior end of said container; a valve member for said valve seat; a stem having one end extending to the exterior of said body for effecting unseating of said valve member; an element for controlling the flow of pressure medium through said duct having one end extending to the exterior of said body; a lever having one end pivotally mounted on said body adjacent said element and having an arm extending across said element and said stem for positively moving said element and said stem substantially simultaneously, and a second lever pivotally mounted and having a manually engageable arm and a second arm for engaging the free end of said arm of said first lever and for rocking said first lever to substantially simultaneously operate said element and said stem to respectively control the flow of pressure medium through said duct and the flow of fire extinguishing medium through said discharge passage.

2,580,449
VEHICLE DRIVE CONTROL MECHANISM
Marinus Maat, Paramaribo, Dutch West Indies
Application April 1, 1948, Serial No. 18,393
1 Claim. (Cl. 74—778)



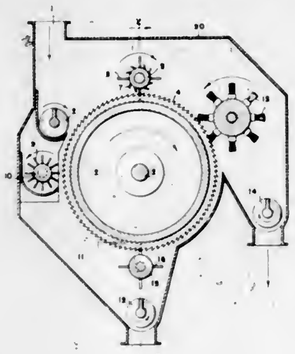
In a vehicle including a motor having a throttle, a two-part pedal comprising two treadle parts, a plate attached to the bottom of one treadle part and extending transversely therefrom to be below the other treadle part for engagement by the latter, means connecting one treadle part to the throttle, a fluid tank, a cylinder with a coacting piston in said tank, inlet apertures in an intermediate portion of said cylinder, a valve outlet at one end of the cylinder, closure means for said outlet having a portion threaded through an adjacent wall of said tank, a pivoted lever secured to said closure means, and an actuating rod connecting the second treadle part of said pedal to said lever for actuating said closure means and a differential assembly having one gear operatively connected with said piston, an opposed gear connected to a drive shaft, and a housing rotatively mounted on the vehicle and carrying satellite gears in mesh with the other gears.

2,580,450
CATHODE-RAY TUBE SEALING APPARATUS
Walter P. Melcher and Harry H. Voelz, Chicago, Ill., assignors to The Rauland Corporation, a corporation of Illinois
Application December 5, 1950, Serial No. 199,239
3 Claims. (Cl. 49—1)



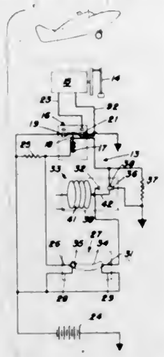
1. Apparatus for sealing a viewing plate portion of a cathode-ray tube to a hollow generally conical portion having a flanged end comprising: a supporting means; a structure mounted on said supporting means for supporting said conical portion with said flanged end upward and with said viewing plate resting thereon; a cam member having a contour corresponding to the peripheral configuration of said flanged end mounted on said structure in a plane parallel to the plane of said flanged end and in coaxial relation with said conical portion; a continuous chain encircling said cam member; a plurality of heating elements supported by said chain and directed towards said flanged end of said conical portion; and driving means for imparting relative rotational motion between said cam and said chain.

2,580,451
STICK REMOVER FOR SEED COTTON EXTRACTING MACHINES
Charles M. Merkel and Thomas E. Wright, Leland, Miss.; dedicated to the free use of the People in the territory of the United States
Application August 11, 1950, Serial No. 178,948
1 Claim. (Cl. 19—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



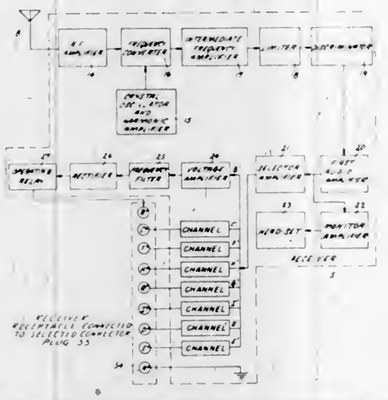
A seed cotton hull extractor machine, comprising: a casing, an upper inlet for cotton toward the rear of the casing, a drum mounted for rotation about an axis longitudinally of said casing, the upper drum surface moving forwardly away from the inlet, the drum having a series of axially spaced circular saw blades mounted on its surface at right angles to the drum axis, a stripper roller mounted for rotation about an axis above and longitudinal to the axis of the drum, long radial clearer fingers projecting from said roller and extending below and between the saw blades, shorter rod bars projecting angularly from the roller and in a direction opposite its direction of movement, the roller rotating in the same direction as the drum, the outer edges of the bars passing opposite and adjacent to the outer edges of the saw teeth, the bars being spaced circumferentially on said roller and also being spaced axially thereon, and being aligned with the circular saw blades, conveyor means to feed the cotton to the toothed surface of the drum and to carry off the sticks and other foreign matter removed from the drum surface by the roller to the lower part of the casing, a second stripper roller mounted beneath the drum having long radial fingers projecting between the saw blades, and a conveyor beneath the second roller to carry off foreign matter removed by both stripper rollers, the axes of the two stripper rollers and of the drum being in vertical alignment.

2,580,452
AUTOMATIC CONTROL SYSTEM FOR AIRCRAFT RETRACTABLE LANDING GEAR
James H. Miller, Norfolk, Va.
Application September 10, 1948, Serial No. 48,546
8 Claims. (Cl. 244—102)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



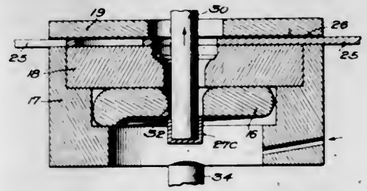
3. In an aircraft, in combination, retractable landing gear, motive means for controlling the position of said landing gear, a source of energy for said motive means, relay means for controlling the energy supplied by said source to said motive means, and switch means responsive to the speed and the inclination of the aircraft for controlling the energization of said relay means.

2,580,453
REMOTE-CONTROL SYSTEM FOR AIRCRAFT
Peter R. Murray and Donald C. Bright, Dayton, Ohio, assignors to the United States of America as represented by the Secretary of War
Application October 14, 1944, Serial No. 558,708
7 Claims. (Cl. 250—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A remote control system comprising a transmitter for transmitting a given carrier frequency wave; means coupled to said transmitter for generating a plurality of modulating frequency waves; selecting means connected to said generating means, for producing direct current control signals to select given ones of said modulating frequencies to be applied to said transmitter; means connected intermediate said transmitter and said generating means, for modulating said transmitter with said selected modulating frequency waves; a radio receiver tuned to said carrier frequency; a first plurality of means in said radio receiver, each of said means being responsive, respectively, to one of said modulating frequencies for producing a direct current control signal; a second plurality of direct current responsive means, each connected to a corresponding one of said first plurality of means; means for connecting said selecting means directly with said direct current responsive means so that said direct current control signals derived in said selecting means may be fed directly to the corresponding ones of said direct current responsive means without the necessity of transmitting and receiving modulated carrier frequency waves.

2,580,454
COMBINATION DRAWING DIE AND STRIPPER
Clarence Walton Musser, Philadelphia, Pa.
Application March 29, 1946, Serial No. 658,188
9 Claims. (Cl. 113—50)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

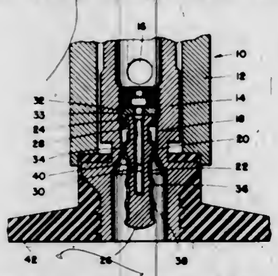


1. In apparatus for forming cup-shaped tubular members, the combination of a die holding structure comprising substantially parallel first and second interior wall surfaces spaced one from the other and having substantially coaxial openings extending therethrough, a reciprocable draw punch axially movable forwardly and backwardly through said holding structure openings, and a die positioned between said first and second wall surfaces with its input end on the first surface side and there so supported by said holding structure as normally to rest its discharge end surface against said second wall surface with the bore axis of the die coinciding with the draw punch axis whereby during each advancing stroke of said punch a cup blank forced forwardly through the die by the punch will be drawn into a tubular member, the body of said die nearly filling the space between said first and second wall surfaces on one side edge of the die and tapering to a thinner section on the opposite side edge thereby freeing said thinner portion only of the die for limited backward travel which angularly tilts the die bore axis away from the drawn punch axis whereby during each backward stroke of said punch the open-end edge of said punch-carried tubular member in returning against the die's discharge end will tilt the die bore axis as aforesaid and thereby so block further backward movement of the tubular member as positively to strip same from the draw punch.

2,580,455
AIR VALVE
Joe Thomas Myers, United States Navy
Application January 5, 1946, Serial No. 639,396
2 Claims. (Cl. 251—122)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A valve of the inflation stem type adapted to be positioned in a valve stem tube to permit the

flow of gas from a high pressure source connected to the valve stem tube and to act as a check on reverse gas flow, comprising a swivel headed elongated valve stem provided with an axially positioned gas inlet duct having an opening at the head end of the stem and extending to a point short of the discharge end, radial outlet ports intermediate the stem ends communicating with said duct, and at least one annular flow shoulder extending from the stem surface at a point intermediate the discharge ducts and the dis-



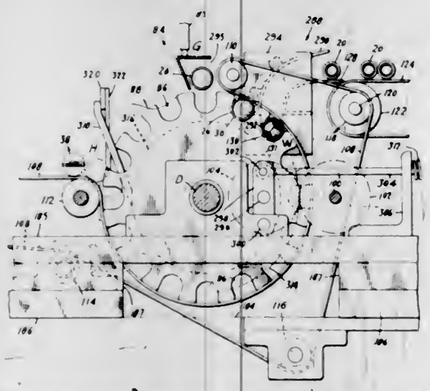
charge stem end; an elastic jacket positioned closely on the valve stem to include the discharge ports and said shoulder; means at the head end of said jacket constructed and arranged to seal said jacket to the stem to prevent gas leakage, and means addditional to said shoulder for holding said jacket in place on said stem, whereby, as the gas flows from said high pressure source between the surface of said valve stem and said elastic jacket, the latter is caused to undulate over said flow shoulder and thereby prevent the fixed formation of ice in the valve mechanism.

2,580,456
PACKAGING MACHINE

Harold C. Noe, Upper Montclair, N. J., assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J., a corporation of New Jersey

Application October 22, 1945, Serial No. 623,748

2 Claims. (Cl. 53—83)



1. In a packaging machine for forming tubular cover members and inserting filler bodies therein, the combination of a drum rotated about a substantially horizontal axis and having transverse recesses in the periphery thereof for receiving a cover member, means for forming a continuous tube and delivering a length thereof towards said drum, cutting means including a pair of cooperating cutting elements adjacent said drum arranged for severing the tube length crosswise and thereby provide cover members, a chamber construction adjacent said drum partially enclosing the cover members upon delivery to said drum, and air blast means including an opening in said chamber construction for directing such cover members into said recesses of said drum.

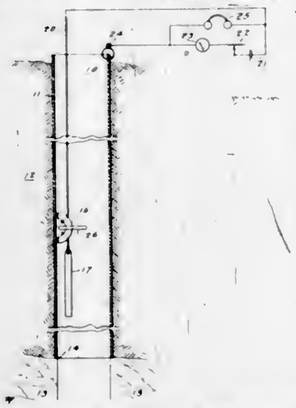
2,580,457
MEASUREMENT APPARATUS

Stanley E. Norris, Grove City, Ohio, assignor to the United States of America as represented by the Secretary of the Interior

Application June 5, 1947, Serial No. 752,791

2 Claims. (Cl. 33—125)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



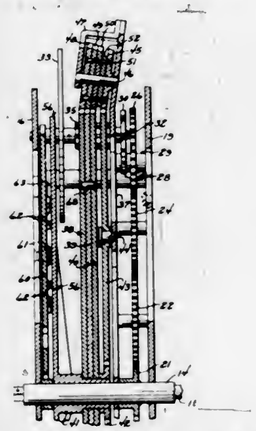
1. In combination a magnet sufficiently weighted to cause it to slide down a surface of ferromagnetic material while magnetically adhering thereto, a wire attached to said magnet, a means for connection to a well casing, a source of potential in series with said wire, said magnet and said connection means, and means for indicating current flow in said wire, said magnet having a substantially semi-circular guard attached to its mid-portion.

2,580,458
CALENDAR WORK FOR CLOCKS AND WATCHES

Petter P. Ostevik, Molde, Norway

Application March 3, 1949, Serial No. 79,375

7 Claims. (Cl. 58—5)



1. A calendar clock comprising a main disc having a plurality of series of numerals corresponding with months having different numbers of days therein concentrically positioned around the outer edge thereof, a bushing rotatably mounted on the hour hand shaft of a clock, said main disc carried by the bushing, a plurality of discs having gear segments on the peripheries thereof rotatably mounted on said bushing, a plurality of pinions of different diameters positioned to mesh with the gear segments of the discs alternately, a driving pinion rotated by the said plurality of pinions, means rotating the bushing and main disc by the driving pinion, an actuator having seven recesses in the periphery thereof, a cam meshing with the recesses of the actuator consecutively, means rotating the cam once with two revolutions of the hour hand shaft, a pinion rotated by the actuator and meshing with the gear segments of the discs, means displaying the numerals of a series on the main disc corresponding with the number of days of a month and also the name of the month simultaneously, and means consecutively displaying the days of the weeks corresponding with the days of the months in combination therewith.

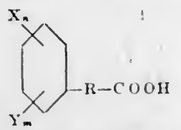
2,580,459
PRODUCTION OF HALOGENATED ARYL FATTY ACIDS

Domenick Papa, Brooklyn, N. Y., and Erwin Schwenk, Montclair, N. J., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application November 27, 1946, Serial No. 712,728

8 Claims. (Cl. 260—473)

1. A method of halogenating phenyl fatty acids which comprises treating a phenyl saturated aliphatic carboxylic acid compound selected from the group consisting of acids of the general formula



wherein X represents a lower alkyl ether group, Y represents a lower alkyl group, n and m are integers selected from 0, 1 and 2, m being 2 when n is 0, and R is a bivalent saturated aliphatic group containing up to seventeen carbon atoms, and the salts and esters of said acids, with a halogen selected from the group consisting of bromine and iodine in the presence of a silver salt of a carboxylic acid.

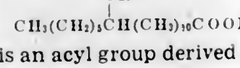
2,580,460
STABILIZATION OF VINYL HALIDE POLYMERS

Temple C. Patton and Louis J. Jubanowsky, Mountainside, N. J., assignors to The Baker Castor Oil Company, Jersey City, N. J., a corporation of New Jersey

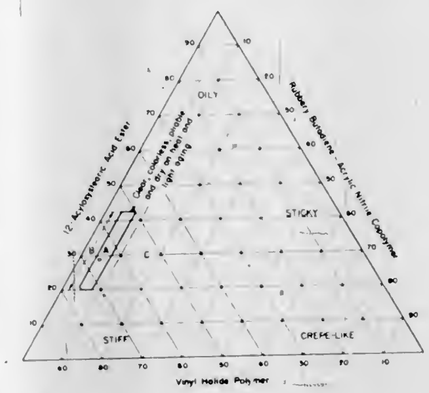
Application May 24, 1950, Serial No. 163,956

8 Claims. (Cl. 260—32.2)

1. A vinyl resin composition which is stable to heat and light, comprising (*a*) from about 50 to about 75% by weight of a polymerization product comprising a polymer of a vinyl halide, and, as a plasticizer therefor; (*b*) from about 20% to about 42.5% by weight of an ester of 12-hydroxystearic acid having the following formula:



wherein R′ is an acyl group derived from a monocarboxylic acid selected from the group consisting of aliphatic, cycloaliphatic, araliphatic, aromatic, and heterocyclic acids containing less than 23 carbon atoms per molecule, and R″ is a monovalent radical derived from a monohydroxy compound selected from the group consisting of aliphatic, cycloaliphatic, araliphatic, and heterocyclic alcohols, phenols, and alkoxy-substituted derivatives of said alcohols and phe-



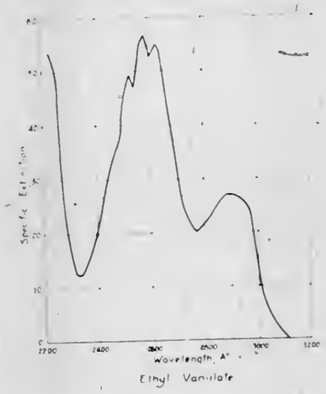
nols, said ester having an iodine number of not more than about 15; and (*c*) from about 4% to about 7.5% by weight of a rubbery copolymer of a butadiene-1,3 and an acrylic nitrile, said copolymer being formed from a mixture comprising a butadiene-1,3 and an acrylic nitrile in the proportion of from about 1.22 to about 5.67 parts of the butadiene component per part of acrylic nitrile.

2,580,461
ULTRAVIOLET-RADIATION IMPERVIOUS WRAPPING MATERIAL

Irwin A. Pearl, Appleton, Wis., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis., a corporation of Wisconsin

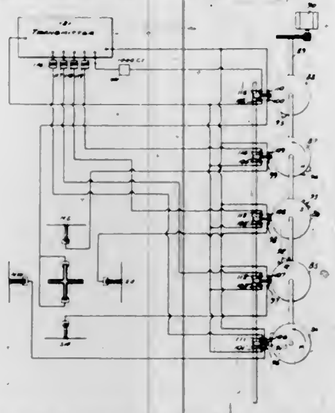
Application August 27, 1947, Serial No. 770,895

12 Claims. (Cl. 117—121)



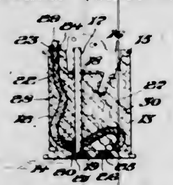
1. A wrapping material substantially impervious to ultraviolet radiations in the range of about 2400 to 3100 Å., comprising a base sheet normally pervious to ultraviolet radiations having incorporated therewith a sufficient amount of an ester of 3-methoxy-4-hydroxy-benzoic acid to render said base sheet impervious to ultraviolet radiations in said range.

2,580,462
RADIO RANGE DEVICE
Richard H. Ranger, United States Army
Application December 9, 1943, Serial No. 513,614
7 Claims. (Cl. 343—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a radio range system for an area divided into a plurality of squares designated by definite symbols, a radio range station at each corner of an inner one of said squares, each station comprising a center antenna including means radiating signals directly upward and four antennas surrounding the center antennas, said four antennas including means successively radiating different code signals significant of said symbols upwardly and outwardly into corresponding immediately adjacent ones of the four adjoining squares designated by said symbols.

2,580,463
FILLING FOR THE FUEL COMPARTMENTS OF LIGHTERS
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Co., a corporation of Massachusetts
Application November 10, 1948, Serial No. 59,267
2 Claims. (Cl. 67—7.1)



1. In a lighter, a fuel compartment having top, bottom and end walls, a flint containing tube extending from top to bottom across the compartment and through the top and bottom walls, a wick located between said tube and one end wall of the compartment, said bottom wall having an opening between the tube and the other end wall of the compartment for insertion into the compartment of granular cellulosic material first and then cotton material, a finely divided granular cellulosic material located between said tube and the first said end wall of the compartment and about and in circumferential contact with said wick along the longitudinal extent thereof for holding and transfer of fuel to the wick, and cotton filling the remainder of the fuel compartment to hold the granular material in place between the tube and the first said end wall.

2,580,464
HELIX MOUNTING SYSTEM
Paul W. Rohrberg, Port Chester, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware
Application January 5, 1948, Serial No. 564
4 Claims. (Cl. 346—101)



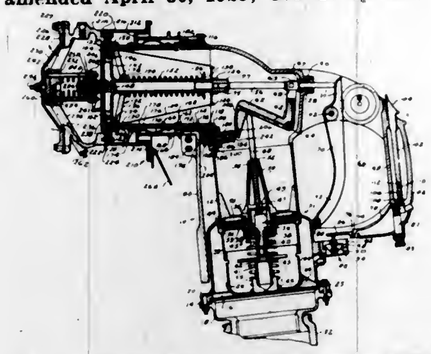
1. In a facsimile recorder the combination of a drum and a helical electrode mounted on said drum, said helical electrode being composed of thin strip material bent longitudinally at right angles to form a foot and an upright section, a lateral wave shape with a downwardly extending ridge formed in said foot, said drum having a slot formed helically along its surface, said ridge of said foot adapted to seat in said slot with the outer extremities of said foot resting against the surface of said drum, a securing means attached to said helical electrode and said drum to force said ridge into said slot against the spring action of the outer extremities of said foot.

2,580,465
COLLAPSIBLE BOAT
Finn Ronne, Chevy Chase, Md.
Application October 19, 1949, Serial No. 122,342
8 Claims. (Cl. 9—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



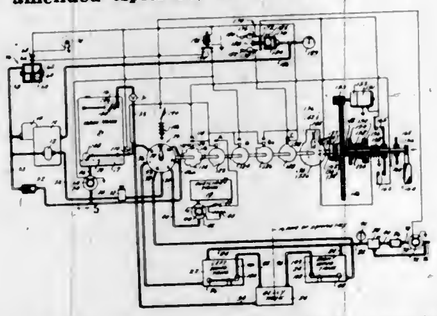
1. In a frame for a collapsible boat, including a pair of laterally spaced and opposed side plates and two sets of graded U-shaped ribs, each rib including two legs and a connecting web, said legs including free ends pivoted to said pair of side plates for pivotal movement to and from extended positions in which corresponding ribs of each set extend from said side plates in similar angular relation but in opposite directions and folded positions in which all of said ribs depend from said side plates in substantially parallel relation, each set of ribs including an uppermost rib and subjacent second and third ribs; the improvement comprising a pair of floor boards for said frame adapted to be supported on the webs of some of said ribs between the legs thereof, hinge means hingedly connecting adjacent ends of said boards together for folding movement with said ribs to and from extended and folded positions wherein said boards are disposed respectively in end-to-end relation and face-to-face relation, a center rib of U-shaped form having two upstanding legs fixed to and depending from said side plates between said sets of ribs, said center rib having a web underlying said hinge means, a latch bar pivoted to one leg of said center rib for vertical swinging movement into and out of a locking position overlying said adjacent ends of said floor boards and clamping the same to said web of said center rib, and means on the other leg of said center rib for latching said latch bar in said locking position, whereby to prevent folding movement of said floor boards.

2,580,466
FUEL SERVICING NOZZLE
David Samiran, Dayton, Ohio
Application December 17, 1948, Serial No. 65,951
4 Claims. (Cl. 226—127)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An improved fuel servicing nozzle comprising, in combination, a nozzle housing, normally closed valve means within said housing for preventing fluid flow therethrough, manually operable linkage for opening said valve means, nozzle attaching means at the discharge end of said nozzle for connecting said discharge end to a receptacle to be serviced, a lever pivotally carried by said housing for operating said nozzle attaching means, a locking pin having sliding bearing in said housing and having one end normally seated in a pocket in a member of said linkage to prevent operation of said linkage to open said valve means, and said lever having a portion normally abutting the other end of said locking pin to maintain the said one end seated in said pocket, said portion being adapted to be withdrawn from the said other end by operation of said lever to effectuate nozzle connection, whereby nozzle connection must be effectuated before said valves may be opened.

2,580,467
MULTITANK AIRCRAFT FUEL SYSTEM
David Samiran, Fort Wayne, Ind.
Original application May 15, 1945, Serial No. 593,917, now Patent No. 2,516,149, dated July 25, 1950. Divided and this application December 23, 1949, Serial No. 134,793
3 Claims. (Cl. 158—36.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

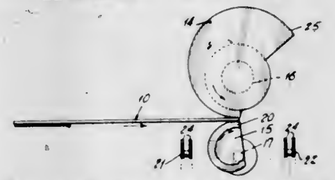


1. An aircraft fuel system which comprises a main fuel tank, right and left wing tanks and a belly tank, fuel transfer conduits connecting the bottoms of the wing tanks to the top of the belly tank, a fuel transfer conduit for connecting the bottom of the belly tank to the main tank, a fuel withdrawing conduit for withdrawing fluid from the bottom of the main tank, air pump and conduit means for applying air pressure to the tops of the wing tanks for transferring fuel from the bottoms of the wing tanks to the top of the belly tank, said air pump and conduit means, when said wing tanks are empty, being also adapted to apply air pressure through said wing tanks to the top of the belly tank, thereby forcing fuel from the bottom of the belly tank into the main tank, and a float valve in each wing tank each adapted to close more as the fuel level in said wing tank becomes less, whereby the pressure may not empty one of said wing tanks faster than the other.

2,580,468
METHOD OF PREPARING AN ISOCYANATE
Frederic C. Schaefer and Erhart K. Drechsel, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 13, 1949, Serial No. 110,224
9 Claims. (Cl. 260—453)

1. The method of preparing an aliphatic hydrocarbon isocyanate represented by the formula RNCO, where R represents an aliphatic hydrocarbon grouping wherein any unsaturation is ethylenic unsaturation, said method comprising pyrolyzing the corresponding tri-(aliphatic hydrocarbon) isocyanurate under anhydrous conditions in the presence of hydrogen chloride at a temperature of at least 120° C. but below the temperature of decomposition of the isocyanate which is formed, and isolating the said isocyanate.

2,580,469
CAM DEVICE FOR VARYING SPEED OF AN OBJECT
Morris A. Schwartz, North Plainfield, N. J., assignor to Johnson & Johnson, a corporation of New Jersey
Application June 1, 1950, Serial No. 165,510
11 Claims. (Cl. 198—20)



1. A device for varying the speed of an object, comprising a pair of oppositely rotatable mating cams spaced apart in radial direction and arranged, as they rotate, to engage opposite faces of an object passing between them, one of said cams having a surface with progressively decreasing radius and of a given coefficient of friction, and the other a surface with correspondingly increasing radius and of a different coefficient of friction.

2,580,470
APPARATUS FOR CONTACT TREATMENT OF MATERIALS
Robert M. Shirk, Wilmington, Del., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application January 21, 1950, Serial No. 139,850
5 Claims. (Cl. 23—288)

1. In a converter including a reaction chamber adapted to contain a mass of solid contact ma-

terial and a series of parallel perforated conduits extending into said chamber and embedded within the contact mass for supplying fluid reactants thereto and for removing fluid reaction products therefrom, a plurality of parallel heat-exchange tubes distributed symmetrically throughout and about said series of perforated conduits, and including a peripheral row of heat-exchange tubes surrounding said series of perforated conduits, said heat-exchange tubes being set at one end in a wall of said reaction chamber



and being free to expand and contract longitudinally within said reaction chamber with changes in temperature, adjacent tubes of said row of peripheral heat-exchange tubes being removably connected along their sides to form a continuous envelope surrounding the remaining heat-exchange tubes and said series of perforated conduits and containing said contact mass, and insulating material between said continuous envelope of peripheral tubes and the wall of said reaction chamber.

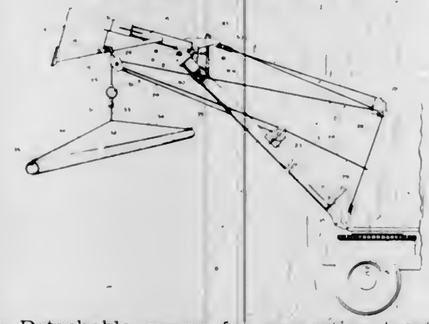
2,580,471

MEANS FOR HANDLING PIPES OR CONDUITS

Luke E. Smith, Denver, Colo., assignor to Quick-Way Truck Shovel Co., Denver, Colo., a corporation of Colorado

Application August 27, 1947, Serial No. 770,893

6 Claims. (Cl. 214—131)



1. Detachable means for connecting together the boom and pivoted dipper stick assembly of a power shovel to maintain the stick assembly in its raised position to thereby convert said boom and stick assembly into means for supporting article handling equipment, comprising a clamp carried by the boom adjacent its point, and a connecting bolt and nut assembly pivotally attached to said clamp and engageable with an adjacent portion of the stick assembly.

2,580,472

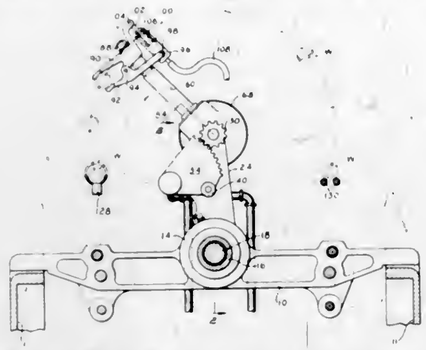
WORK MANIPULATING MECHANISM

Nevin B. Smith, Hamburg, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania

Original application August 8, 1941, Serial No. 406,049, now Patent No. 2,360,906, dated October 24, 1944. Divided and this application October 21, 1944, Serial No. 559,799

6 Claims. (Cl. 214—1)

1. In work transfer mechanism, a fixed support, a horizontal shaft rotatably journalled in said support, a housing directly supported by and surrounding said shaft at one side of said fixed support for oscillation about the shaft axis, a work carrier shaft extending radially from said housing and rotatably mounted at one of its ends therein, a supporting member for the work carrier shaft extending diametrically through said housing and horizontal shaft and rigidly fixed



thereto, work holding means on the other end of the carrier shaft, a power operated shaft drivingly coupled with said horizontal shaft for imparting oscillating motion to said housing and work carrier, a gear on said work carrier shaft and a gear segment fixed to said support in mesh with said gear and enclosed within said housing for rotating said work carrier shaft in the oscillating motion thereof.

2,580,473

COMPLEX AMMONIUM SALTS AND PROCESSES FOR PRODUCING THE SAME

Frank J. Sowa, Cranford, and Edward J. Kenney, Jersey City, N. J.; said Kenney assignor to said Sowa

No Drawing. Application March 22, 1946, Serial No. 656,508

10 Claims. (Cl. 260—448.2)

1. The quaternary ammonium compounds having the generic formula:

$$[(R_3N)_nER'_{4-n}]\cdot nX$$

in which at least one R attached to each nitrogen atom is an aliphatic hydrocarbon radical selected from the group consisting of alkyl, alkenyl and dialkenyl radicals, having at least 8 carbon atoms in the longest chain thereof, the remaining R's, if any, being selected from the group consisting of hydrogen and alkyl, monocyclic aromatic, cycloalkyl, phenylalkyl, cycloalkyl hetero-N, and cycloalkyl hetero-N-O radicals, E is a tetravalent element selected from the group consisting of silicon, titanium, germanium, zirconium, tin, and lead, R' is at least one substituent selected from the group consisting of hydrogen and alkyl, monocyclic aromatic, cycloalkyl, and phenylalkyl radicals, X is at least one substituent selected from the group consisting of halogen atoms and the acetate and lactate radicals and n is an integer from 1 to 4.

2,580,474

HERBICIDAL COMPOSITION

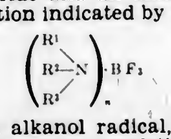
Frank J. Sowa, Cranford, N. J.

No Drawing. Application January 4, 1950, Serial No. 136,849

20 Claims. (Cl. 71—2.7)

1. An herbicidal composition consisting of a liquid medium containing isopropyl alcohol and

up to 90% by weight of a coordination complex of boron trifluoride and an alkanol amine having the composition indicated by the formula



where R^1 is an alkanol radical, R^2 and R^3 are selected from the group consisting of hydrogen, hydrocarbon radicals and alkanol radicals, and n is a number from 1 to 3, such composition being characterized by the fact that an aqueous solution thereof containing 1% of said complex has a surface tension below about 65 dynes per square centimeter at 23° C.

2,580,475

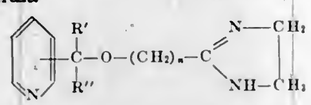
IMIDAZOLINYLALKYL ETHERS OF PYRIDYLCARBINOLS

Nathan Sperber, Bronx, and Domenick Papa, Brooklyn, N. Y., and Erwin Schwenk, Montclair, N. J., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application October 30, 1947, Serial No. 783,214

10 Claims. (Cl. 260—296)

4. Compounds of antihistaminic activity selected from the group of compounds of the general formula



wherein R' is selected from the group consisting of alkyl groups containing not more than four carbon atoms, monocyclic cycloalkyl, monocyclic aryl, monocyclic aralkyl pyridyl and thienyl groups, and halogen, lower alkyl and alkoxy substituted monocyclic aryl and monocyclic aralkyl groups, R'' is selected from the group consisting of hydrogen and lower alkyl groups, and n is an integer from 1 to 4, and the acid salts thereof.

2,580,476

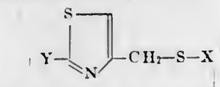
SUBSTITUTED HETEROCYCLIC COMPOUNDS

James M. Sprague, Drexel Hill, and Anthony H. Land, Ridley Park, Pa.

No Drawing. Application October 10, 1947, Serial No. 779,212

6 Claims. (Cl. 260—302)

1. Compounds of the formula



wherein Y is a member of the group consisting of alkyl, aryl and amino radicals; and X is a member of the group consisting of alkyl, an alkyl group substituted by a group selected from the carboxyl, carbalkoxy and the nitrile radicals, and aralkyl radicals.

2,580,477

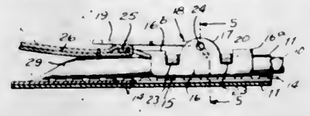
ADJUSTABLE FASTENING DEVICE

Noel Statham, Greenwich, Conn.

Application March 13, 1948, Serial No. 14,735

1 Claim. (Cl. 24—201)

An adjustable fastener comprising a slider, a cam-like clamp and a gripping shoe; the slider having a pair of downwardly directed elongated parallel body portions with their free edges turned toward and spaced from one another and forming a channel to engage around and slide on a track, and a pair of apertured upwardly directed fins integral with said body portions; the cam-like clamp being pivotally carried by



said fins; and said shoe being disposed within said slider and below said clamp and captured therebetween for limited movement toward the free edges.

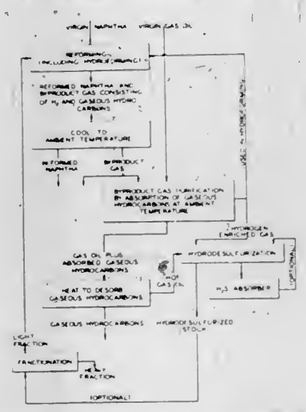
2,580,478

COMBINATION PROCESS FOR THE CATALYTIC HYDRODESULFURIZATION AND REFORMING OF HYDROCARBON MIXTURES

Harrison M. Stine, East Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

Application May 28, 1949, Serial No. 96,057

4 Claims. (Cl. 196—24)



1. A process of treating naphtha and gas oil fractions, which comprises reforming naphtha to form gasoline of higher octane number and produce a by-product gas containing hydrogen and gaseous hydrocarbons, scrubbing said reformed by-product gas at an ambient temperature with gas oil feed stock to remove gaseous hydrocarbons from the gas and to provide a hydrogen enriched by-product gas, separating and heating the gas oil feed stock to drive off absorbed gaseous hydrocarbons, and then hydrodesulfurizing the heated gas oil feed stock with said hydrogen enriched by-product gas.

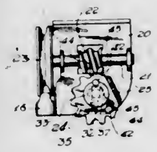
2,580,479

CORD EQUALIZING MECHANISM FOR VENETIAN BLINDS

Max J. Stogran, Chicago, Ill.

Application October 24, 1949, Serial No. 123,257

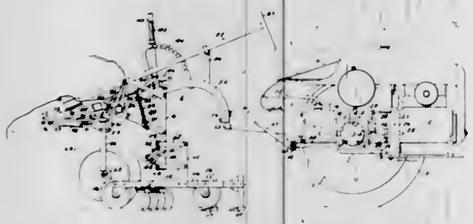
6 Claims. (Cl. 160—176)



1. A tilt cord equalizing mechanism for Venetian blinds comprising a support, a spindle jour-

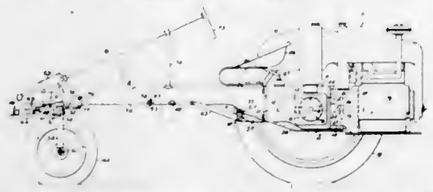
naled in the latter and carrying a worm, a pulley at one end of the spindle over which the tilt cords are trained, a stud projecting forwardly from the support at a point below the worm, and a gear-sector normally in mesh with the worm and adapted to be connected in supporting relation to one end of the blind tilt rail, said gear-sector having an internal opening for journaling the gear-sector on said stud for rotation in either direction to control said tilt rail accordingly, said opening being elongated in a direction to create a clearance over the stud when the gear-sector has been rotated by the actuation of the shorter tilt cord to a point closing the blind with a slight subsequent tension, and said clearance permitting the gear-sector to drop a sufficient distance in such event to clear its teeth from the worm and permit the pulley to turn freely as said cord is drawn to a level even with its companion cord.

2,580,480
FARM TRACTOR
Walter F. Strehlow and Charles T. O'Harrow, Wauwatosa, and George W. Park, West Allis, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 2, 1948, Serial No. 18,566
14 Claims. (Cl. 180—1)



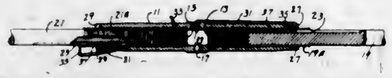
1. In a farm tractor having a rear driving unit including a housing structure mounting a traction means supporting same, and including an engine carried by a rear portion of said housing structure and drivingly connected with said traction means, the combination comprising a stub frame member extending forward from a central portion of said housing structure on a horizontal level, a pair of spaced frame members having rear end portions thereof rigidly united with the forward end of said stub member in laterally spaced symmetrical relation thereto, said pair of members extending forward from said stub member in generally parallel relation, means rigidly uniting forward end portions of said pair of members and including a supporting dirigible wheel structure disposed therebeneath, an operator's station mounted on said tractor in overlying relation to a rear portion of said stub member so that an operator seated at said station may look forward and downward between said pair of frame members and thereby obtain a practically unrestricted close range view of all of the ground underlying the portion of the tractor in advance of said stub portion, and a steering shaft having its forward end supported on said last mentioned means forwardly of and between the forward end portions of said pair of frame members and having its forward end in general longitudinal alignment with said stub member, said steering shaft being operatively connected with said dirigible wheel structure and extending obliquely rearward and upward from said means in approaching overlying relation to one of said pair of frame members and to a point within easy reach of an operator seated at said station so as to be clear of the operator's line of vision when looking forward and downward between said members.

2,580,481
FARM TRACTOR
Walter F. Strehlow, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 5, 1948, Serial No. 18,930
13 Claims. (Cl. 180—1)



3. A farm tractor comprising a rear driving unit including a housing having axially aligned oppositely projecting portions each enclosing an axle shaft mounting a drive wheel at the outer end thereof, an engine carried by said housing in rearwardly disposed relation thereto, said engine being operatively connected with said drive wheels and supported by having its forward end fixedly united with a rear portion of said housing, an elongated narrow rigid frame extending forward from said housing, a dirigible wheel structure supporting the forward portion of said elongated frame, said elongated frame extending forward from said housing a distance sufficient to provide a tillage tool mounting space of practical extent longitudinally of the tractor and in advance of the forward side of said housing, said distance being such as to afford an operator seated on said tractor in adjacent overlying relation to a forward portion of said housing a practically unrestricted forward-looking and close range view of the ground between said dirigible wheel and said housing structure, an operator's seating station mounted on said tractor in front of said engine and in adjacent overlying relation to said forward portion of said housing, and steering means operatively associated with said dirigible wheel structure and extending rearward therefrom to a point within easy reach of an operator seated at said station.

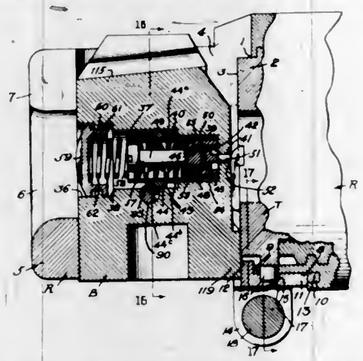
2,580,482
TURNBUCKLE LOCK
Louis C. Stukenborg, Memphis, Tenn., and Harold V. Utterback, Osyka, Miss.
Application July 12, 1945, Serial No. 604,698
18 Claims. (Cl. 287—60)



5. A turnbuckle assembly which includes an internally threaded sleeve and threaded rods engaged respectively with opposite ends of said sleeve, said rods having longitudinal grooves therein and said sleeve having complementary grooves registerable with said rod grooves by relative turning movement of said rods and sleeve, and locking means including locking portions longitudinally engageable with said rod and sleeve grooves to prevent said turning movements, and sleeve engaging portions resisting longitudinal displacement.

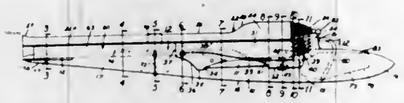
18. Locking members adapted for retaining engagement with a turnbuckle sleeve having a transverse central hole and end notches; said members each consisting of a single length of resilient wire bent to form a stem and opposite end portions of relatively minor length extending from the same side of said stem, one of said end portions being U bent and the other thereof bent at right angles, said U bend being adapted for engagement with the slotted end of said sleeve and said right angle bend for anchoring engagement in said hole, said stem between said end portions having a length equal to the distance between the proximate portions of said hole and either of said notches.

2,580,483
BREECH BLOCK AND FIRING MECHANISM THEREIN
William Summerbell, Washington, D. C.; Edith May Summerbell executrix of said William Summerbell, deceased
Application December 4, 1946, Serial No. 713,949
3 Claims. (Cl. 89—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



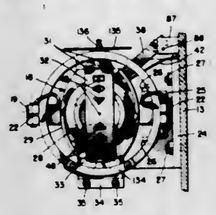
2. In a gun, the combination of a breech block; a firing pin reciprocable in and projectable from said block; a peripheral flange mounted on said pin and having a forward face normal to the axis of the pin and a rear face inclined rearwardly at an acute angle to said axis; a finger pivoted in said block for engagement with said forward face; means in said block for rocking said finger to retract said pin into cocked position; a sear rockably mounted in said block in the path of said flange, said rear face camming said sear on retraction, and the sear engaging said forward face after retraction to hold said pin cocked; manual means for rocking said sear to release said pin; and means to project said pin from the block into firing position when the pin is released.

2,580,484
JET-PROPELLED AIRPLANE
Glenn H. Temte, Minneapolis, Minn.
Application December 23, 1948, Serial No. 66,938
11 Claims. (Cl. 244—74)



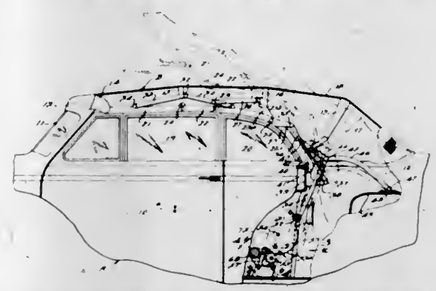
1. An aircraft component wherein the propulsive unit is an elongated jet engine having a combustion chamber and a jet exhaust pipe extending therefrom, said engine attaining a high temperature during operation, the improvement comprising an aircraft component shaped so as partially to embrace and enclose said elongated jet engine within said component of the aircraft, the engine being otherwise directly exposed, the portion of the engine which is enclosed being divided from the portion exposed by a plane of division extending longitudinally through at least the major part of the length of the engine combustion chamber and exhaust pipe, and an air passageway through the aircraft, said passageway being at least partly defined by the enclosed portion of the elongated jet engine and an air inlet and air outlet for said passageway.

2,580,485
TORPEDO MOTION RECORDER
Theodore W. Thornton, Salt Lake City, Utah
Application April 12, 1946, Serial No. 661,634
20 Claims. (Cl. 346—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Apparatus for recording the angular yaw, pitch and roll motion of a moving body comprising, in combination, a reference system arranged within the body and adapted to resist individually the yaw, pitch and roll of the body, a system arranged within said body and adapted to follow the angular motion thereof, and means for periodically photographing the instantaneous yaw, pitch and roll displacement between said systems in the form of a composite photographic record.

2,580,486
COLLAPSIBLE TOP FOR VEHICLES
Trygve Vigmostad, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application June 5, 1948, Serial No. 31,305
4 Claims. (Cl. 296—117)



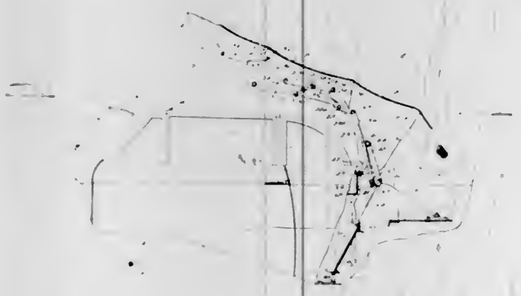
1. In a vehicle body, a foldable top having side rail sections adapted to extend end to end when the top is open and including a rear side rail section pivotally connected to the body adjacent its rear end, a toggle link pivotally connected at one end to the rear rail section and shiftable generally endwise during the initial opening movement of the top, a second toggle link pivotally con-

nected at one end to the body, adjacent ends of said links being pivotally connected together, a top operating link disposed generally endwise to the first named toggle link in the folded condition of the top and pivotally connected directly to one of said toggle links adjacent the pivotal connection therebetween, and means for imparting generally endwise shiftable motion to said operating link during the initial opening movement of the top, thereby to shift said first named toggle link also generally endwise, including a gear pivotally connected to said operating link.

2,580,487
FOLDABLE TOP FOR VEHICLE BODIES

Trygve Vigmostad, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application October 17, 1949, Serial No. 121,827
9 Claims. (Cl. 296—117)



3. A foldable top for a vehicle body comprising side rail sections adapted to extend substantially end to end when the top is open and including a rear side rail section pivotally connected to the body adjacent to its rear end, a toggle link pivotally connected at one end to the rear rail section and shiftable generally endwise during the initial opening movement of the top, a second toggle link pivotally connected at one end to the body, adjacent ends of said links being pivotally connected together, a top operating member pivotally connected directly to one of said toggle links adjacent the pivotal connection therebetween, said operating member and first named toggle link extending generally endwise with respect to each other in the folded or closed position of the top, and means for imparting generally endwise shiftable motion to said operating member during initial opening movement of the top thereby to impart to said first named toggle link a generally endwise linear travel corresponding substantially to the travel of the operating member.

2,580,488
PROTECTIVE COMPOSITION FOR METAL SURFACES

Henry L. Vogl and Anna Mae Stieber, Racine, Wis., assignors to S. C. Johnson & Son, Inc., Racine, Wis.

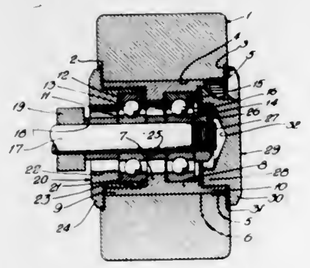
No Drawing. Application January 5, 1949, Serial No. 69,406
15 Claims. (Cl. 260—26)

1. A liquid protective coating solution for metals comprising from 12 to 35% by weight of the solution of a polymer of a vinyl ether having from 14 to 24 carbon atoms and a resin, having a softening point of at least 85° C., selected from the group consisting of polyhydric alcohol rosin esters, terpene resins, rosin-modified maleic alkyd resins and mixtures thereof, said ether and said resin being present in a ratio of from 1:3 to 3:1, said ether and said resin being completely soluble at a temperature of 21° C. in a solvent selected from the group consisting of liquid hydrocarbons, liquid ethers, liquid chlorinated hydrocarbons and mixtures thereof, said solvent constituting the major portion by weight of the composition.

2,580,489
BEARING FOR ROLLER SKATE WHEELS

Frank J. Wagner, Franklin Square, N. Y., assignor of one-half to Carroll M. Bierman, Franklin Square, N. Y., and Elizabeth Wagner, administratrix of said Frank J. Wagner, deceased, assignor of one-half to Elizabeth Wagner Franklin Square, N. Y.

Application May 10, 1947, Serial No. 747,302
2 Claims. (Cl. 301—5.7)

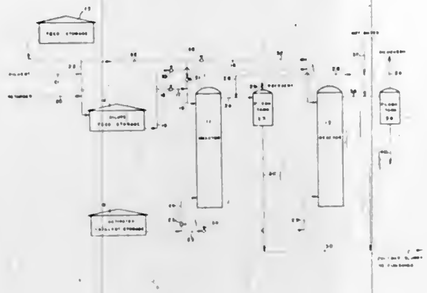


1. In a roller skate wheel, the combination of an axle having an annular shoulder spaced from the free end thereof and a threaded portion at the outer end thereof, a tread having a central chamber to receive a sleeve fixed in said tread and having a radially extending annulus spaced from the ends thereof with a smooth annular seat on one side of said annulus and an internally threaded annular chamber on the other side of said annulus, two pairs of ball bearing raceways, the said pairs of raceways being axially spaced, each pair comprising a radially inner and a radially outer raceway, a first spacer on the axle between the radially inner raceway of the axially inner pair of raceways and said shoulder, a second spacer on the axle between the radially inner raceways of the two pairs of raceways, a small nut screw threadedly connected to the threaded end of the axle and anchoring the two spacers and the two radially inner raceways between said small nut and said shoulder, the radially outer raceway of the axially outer pair of raceways slidably mounted in said smooth annular seat, and a large chambered nut spaced from the axle and screw threadedly connected to the inner threaded chamber of said sleeve, said large nut having an annular seat for the radially outer raceway of the axially inner pair of raceways and cooperating with said annulus to fix said latter radially outer raceway against movement relative to said annulus.

2,580,490
METHOD FOR STARTING UP LOW-TEMPERATURE ISOOLEFIN POLYMERIZATION

David C. Walsh, Jr., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application January 30, 1948, Serial No. 5,462
4 Claims. (Cl. 260—85.3)



1. A method for polymerizing olefins at a subatmospheric temperature to produce a vulcanizable polymer which comprises forming a first mixture of a tertiary mono-olefin and a diolefin in an alkyl halide diluent, the amount of tertiary mono-olefin in the mixture being in the range from 5 to 15% and the diolefin being in the range between 0.5 and 2.5% based on the tertiary mono-olefin and the remainder alkyl halide, adding to the mixture a normal mono-olefin in an amount between 3 and 15% based on the tertiary mono-olefin, chilling the mixture to a temperature in the range between —50° and —175° F., subjecting the chilled first mixture to contact with a Friedel-Crafts type catalyst dissolved in an alkyl halide solvent to cause a polymerization reaction, said Friedel-Crafts type catalyst containing an activational amount of a promoter for the reaction, forming a second mixture of a tertiary mono-olefin and a diolefin in an alkyl halide diluent, said tertiary mono-olefin in said second mixture being in the range from about 20% to 30% of the mixture and said diolefin being in the range from about 0.5 to 2.5% based on the tertiary mono-olefin, and the remainder alkyl halide, chilling said second mixture to a temperature in the range between —50° to —175° F., adding said second mixture to said first mixture in gradually increasing amounts while addition of said first mixture is gradually decreased.

2,580,491
REDUCING THE CRYSTALLINITY OF NATIVE FIBROUS CELLULOSIC MATERIAL

Kyle Ward, Jr., and Carl M. Conrad, New Orleans, and Leon Segal, Metairie, La., assignors to the United States of America as represented by the Secretary of Agriculture

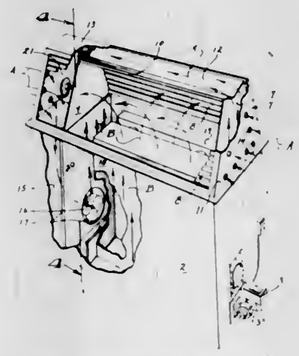
No Drawing. Application August 8, 1950, Serial No. 178,339
10 Claims. (Cl. 260—212)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of reducing the degree of crystallinity of a native fibrous cellulosic material with no substantial chemical degradation and impairment of the fibrous structure comprising immersing the cellulosic material in a liquid treating agent selected from the group consisting of an anhydrous primary alkylamine containing from 1 to 2 carbon atoms, and a mixture of at least 50% by weight of an anhydrous primary alkylamine containing from 1 to 2 carbon atoms and an anhydrous primary alkylamine containing from 6 to 7 carbon atoms, mechanically separating a substantial amount of the treating agent from the treated material, and separating substantially all of the remaining treating agent by extraction with a non-polar organic solvent.

2,580,492
AIR-HEATING APPLIANCE

Blaine Clyde Watts, Jr., Petaluma, Calif., assignor to Kresky Mfg. Co., Inc., Petaluma, Calif., a corporation of California

Application May 3, 1948, Serial No. 24,820
6 Claims. (Cl. 126—110)



1. In a heating appliance, an outer casing, an outer head comprising top, side and end walls disposed over said casing and in flow communication therewith through the bottom thereof and adapted to project from a floor into a cut-out portion of a building wall to expose the side walls of the head on opposite sides of the building walls, an air heating element in said casing and means to heat said element said element being disposed below the bottom of said outer head, means forming a vertical cold air inlet flue in and adjacent to one end said casing and in communication at its lower end with the space surrounding said air heating element, warm air outlets in the side walls of said outer head, an inner head comprising a top and end walls positioned within the outer head and spaced inwardly therefrom to form a cold air duct between the tops of said inner and outer heads, and spaced apertures in an end wall of said outer head in communication with atmosphere and one end of said cold air duct, said cold air duct at its other end being in flow communication with the upper end of said cold air inlet flue.

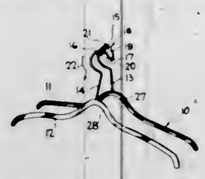
2,580,493
SELF-LOCKING TWIN GARMENT HANGER

Benjamin Weiss, New York, N. Y.

Application March 4, 1947, Serial No. 732,189
1 Claim. (Cl. 223—93)

A twin garment hanger comprising two identical yokes each consisting of a bar having an upwardly bowed intermediate portion and elongated shoulder arms extending from opposite

sides thereof and of a length adapting the yoke to be fitted into the upper portion of a garment through the neck opening of the garment with its bowed center portion projecting upwardly through the said neck opening and its arms extending along shoulder portions of the garment and support a garment upon each yoke, a suspension element common to both yokes and being formed from a strand of resilient metal bent intermediate its length to form hooks having shanks extending downwardly therefrom in normally diverging relation to each other and each carrying one of the yokes at its lower end, said



hooks extending laterally and upwardly from the upper ends of their shanks and having upper portions thereof formed with downwardly curved ends integrally united by a portion of the strand extending between them, and a link extending horizontally between said hooks and having end portions slidably engaged about the hooks, said link when slid downwardly along the hooks and their shanks serving to draw the shanks toward each other and hold the yokes close together in position for gripping between them portions of the garments supported upon the yokes and prevent the garments from slipping off of the yokes.

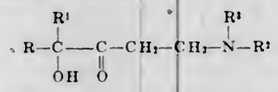
2,580,494

N-DISUBSTITUTED-AMINO T-HYDROXY KETONES

Richard S. Wilder, Roslyn, and Daniel F. Herman, Philadelphia, Pa., assignors to Publicker Industries Inc., Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application April 10, 1947, Serial No. 740,727
20 Claims. (Cl. 260—247.7)

1. N-disubstituted amino-t-hydroxy ketones of the general formula



wherein R and R^1 are members of the group consisting of one to four carbon atom alkyl radicals and the one hydroxy cyclohexyl radical, and wherein R^2 and R^3 are members of the group consisting of alkyl groups containing one to three carbon atoms and may be combined to complete a cyclic radical of the group consisting of morpholine and piperidine rings.

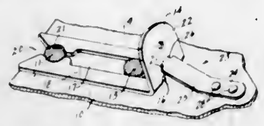
2,580,495

COMBINATION RELEASABLE LOCKING DEVICE

Elmer O. Woods, Los Angeles, Calif.

Application January 20, 1947, Serial No. 722,993
1 Claim. (Cl. 24—230)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a combination comprising a slide fastener and releasable securing devices therefor, a base plate, a slide fastener of a snap-slide leaf type having a pair of side-by-side leaves mounted on said base plate, a slotted post arising over said base plate at the forward end thereof, said post being releasably engageable by the outer ends of said leaves, rivet-like retaining means extending upward from said base plate rearwardly of said post for holding the leaves of said snap slide fastener in slidable engagement therewith and in alignment with said post, an upturned rear end on said snap slide fastener, said leaves being joined together only at the upturned portion thereof, said rear end having an opening adjacent the region where the end is upturned, said opening being of greater width at its bottom than at its top, a leaf-type spring attached to said base plate by one of its ends, said spring having a gently rising portion, an integral tongue and shouldered end substantially on the same plane



with each other and with said spring, said end normally abutting with its shoulders the edges of the opening in the upturned portion of the snap slide fastener, the tongue extending therein to secure the snap slide fastener in locked position, the shoulders and the leaf spring being adapted to pass through the lower part of the opening in the upturned portion of the snap slide fastener when the inclined portion of the leaf spring is depressed whereby to allow manual retraction of the snap slide upturned portion over the leaf spring, the latter being releasable between the leaves of the snap slide fastener and being positioned wholly behind the rivet-like retaining means even when the inclined portion is depressed, whereby to clear said retaining means at all times.

2,580,496

SEPARATION OF ROSIN ACIDS

Harold H. Zeiss, Tenafly, N. J., assignor, by mesne assignments, to The Fulwal Chemical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application July 14, 1948, Serial No. 38,760
7 Claims. (Cl. 260—100)

1. The method of separating dehydroabietic acid from disproportionated rosin comprising dissolving disproportionated rosin in an aqueous alkaline solution to thereby form an aqueous solution of the alkali salts of the rosin acids present, adding mineral acid to the solution in an amount sufficient to react with the alkali salts of the hydroabietic acids present but insufficient to react with the alkali salts of dehydroabietic acid present, separating the resulting precipitate of hydroabietic acids, and thereafter recovering the dehydroabietic acid constituent from the solution.

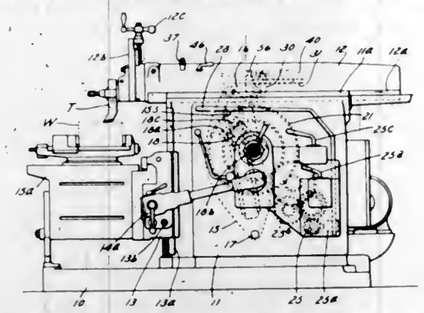
2,580,497

CRANK SHAPER RAM AND CLAMP

William F. Zimmermann, Maplewood, N. J., assignor to Gould & Eberhardt, Incorporated, Irvington, N. J., a corporation of New Jersey

Application November 21, 1949, Serial No. 128,633
7 Claims. (Cl. 90—39)

1. In a shaping machine having a reciprocable ram adapted to carry a tool, and means to reciprocate the ram, the combination of means operable selectively to clamp and unclamp the ram from its reciprocating means comprising a pair of complementary wedge members having bearing surfaces formed on their outer sides and on their adjacent faces, additional bearing surfaces arranged within the ram in opposed relation adapted to receive the said pair of wedge members therebetween, means operatively connecting



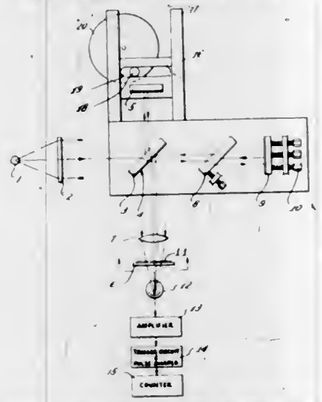
one of said wedge members with the ram reciprocating means, and means to actuate one of said wedge members relatively to the other whereby selectively to effect a clamping or unclamping of the pair of wedge members between the said bearing surfaces of the ram.

2,580,498

ELECTROOPTICAL PULSE GENERATOR

Erik Ackerlind, Santa Monica, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California

Application May 17, 1948, Serial No. 27,567
13 Claims. (Cl. 250—230)



1. An electro-optical pulse generator comprising an interferometer having an element movable to change the interference fringe pattern produced by said interferometer, a screen having a plurality of light transmitting and light excluding areas thereon corresponding to the plurality of light and dark areas of said pattern when stationary, the axis of said screen being registered with the axis of said pattern, means for moving said element to move the fringes across the light and dark areas of said screen, and means for electrically detecting the light pulses passing through said screen as said fringes are moved.

2,580,499

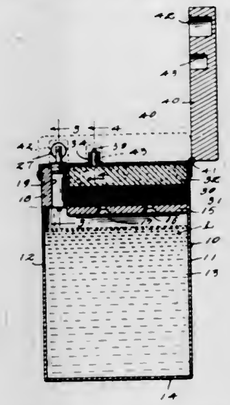
CIGARETTE LIGHTER

John M. Adams, Atlanta, Ga.

Application May 12, 1950, Serial No. 161,643
3 Claims. (Cl. 67—7.1)

1. A lighter comprising a housing formed of

opposite side, opposite end and upper and lower walls, an inner wall dividing said housing into a lower reservoir and an upper absorbent chamber, a block extending inwardly from one end wall and said top wall, said block having an opening communicating with said reservoir and forming a filler opening, a plug threaded in said opening, an abrading member rotatably carried by said plug, a spring-pressed flint carried by said plug and engaging said abrading member, said inner wall having a pair of spaced openings communicating said reservoir with said chamber, each



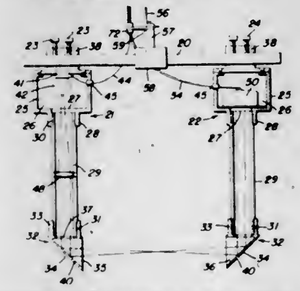
opening serving as an air vent when the lighter is tilted in a direction such that the other serves as a pouring opening, inner and outer absorbent members in said chamber, said inner member being comprised of a material having an expansion factor when substantially saturated such as to close and seal said openings in said inner wall, a wick, and means supporting said wick with a portion thereof projecting above said upper wall and with a portion thereof projecting into said chamber for contact with said absorbent means.

2,580,500

DEVICE FOR DETERMINING TURBIDITY WITHIN A BODY OF LIQUID

Paul McH. Albert, Ann Arbor, Mich.

Application April 25, 1949, Serial No. 89,524
2 Claims. (Cl. 88—14)



1. A device for measuring turbidity at a plurality of predetermined points within a body of liquid, comprising a substantially horizontal crossbar, two separate, spaced, liquid tight box structures, slidably mounted for separate movement on said cross bar and shiftable and adjustable along said crossbar, means for fixing said box structures at a predetermined distance from each other, said crossbar and box structures forming a submersible unit, one of said box structures

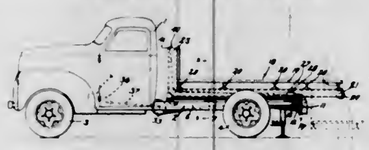
enclosing an exciter lamp and the other enclosing a light sensitive photo-electric cell, a substantially vertical ray conducting tube projecting downwardly from each of said box structures, the tube projecting from the box enclosing the exciter lamp being provided with ray concentrating means producing a well defined bundle of rays of predetermined cross sectional area, reflecting prisms at the end of said tubes, one of the faces of the reflecting prisms being turned towards the tube and being perpendicular to the axis of the same and the other faces of the reflecting prisms being parallel to the said axis and facing each other, thus forming a beam exit and beam entrance surface for the bundle of light rays respectively, at a distance from the crossbar, means for supporting, lowering and lifting the submersible unit within the body of liquid, said means maintaining a substantial horizontal position of the crossbar and further means for displacing said unit and supporting means horizontally along said body of liquid.

2,580,501

FREIGHT LOADING AND UNLOADING TRUCK

Frank P. Anderson, Edwin E. Anderson, and Raymond L. Anderson, Spokane, Wash.

Application April 14, 1949, Serial No. 87,452
6 Claims. (Cl. 214—85)



1. A truck comprising a chassis having chassis bars, cross bars mounted across said chassis bars, rails extending longitudinally of the chassis and mounted upon said cross bars and having rear end portions bent downwardly, a body including a platform and runners under the platform extending longitudinally thereof, said runners resting upon said rails and having front portions bent upwardly and forming standards at opposite sides of the front end of the platform, a cross head carried by and extending between upper ends of said standards, a horizontal roller rotatably mounted between said rails at upper ends of the downwardly bent rear ends thereof, a horizontal drum rotatably mounted between the chassis bars, cables wound about said drum in opposite directions, one cable extending from the drum towards the rear end of the chassis and brought upwardly about the roller and forwardly and having its front end portion carried upwardly between the standards and connected with the cross head, the other cable extending rearwardly from the drum and connected with a bridle having portions extending rearwardly from the said cable in diverging relation to each other and secured at their rear ends to the runners, and means for transmitting rotary motion from a power take-off of the truck to the drum.

2,580,502

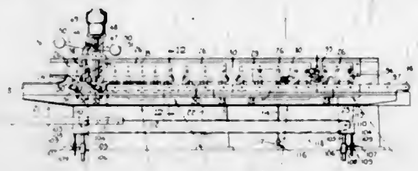
METHOD AND APPARATUS FOR WELDING THE LONGITUDINAL SEAMS OF BARREL BLANKS AND THE LIKE

James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York

Application October 3, 1945, Serial No. 620,006
12 Claims. (Cl. 113—112)

7. A machine for welding the longitudinal seams of tubular barrel blanks and the like comprising welding means, means for feeding the blanks to and by the welding means while the blanks are in abutting end-to-end relation with the seams to be welded in alignment whereby the seams of the blanks are successively and progressively welded, and means near the feed end of the machine for crimping the forward edge portion only of each blank whereby the blanks when moved to and by the welding means in abutting end-to-end relation will not overlap one another.

12. The method of welding the longitudinal seams of tubular blanks of relatively large diameter made of relatively thin gauge metal such as barrel blanks which comprises shaping the edge portions of the metal along the seam to form a longitudinal corrugation on the blank with the seam at the crest of the corrugation, supporting the blank solely at points remote from the seam to minimize the conduction of heat from the metal adjacent said seam as it is welded, thereafter progressively welding the seam of the blank so supported, and progressively rolling out the corrugation after the weld is completed and while the metal adjacent the seam is still hot from the welding operation.

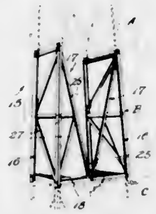


2,580,503

SECTIONAL FRAME STRUCTURE

Clifford R. Athy and Charles R. Konkle, Columbus, Ohio, assignors to International Derrick & Equipment Company, Columbus, Ohio, a corporation of Ohio

Application July 23, 1945, Serial No. 606,660
2 Claims. (Cl. 189—13)



1. Tower and derrick frame construction comprising a plurality of superposed sections, each of said sections being composed of a pair of upright side panel units, each of said side panel units embodying corner legs rigidly united by horizontal and diagonally extending cross members, attaching plate permanently secured to the ends of said corner legs and projecting beyond the latter and detachably connecting the corner legs of the side panel units of next adjacent sections, a pair of triangular front panel units, each of said front panel units embodying rigidly united vertical, hypotenusal and base rail members, the vertical rail members of said front panel units being substantially coextensive with and disposed adjacent to the corner legs of cooperative side panel units and detachably connected therewith, and a pair of horizontally disposed brace panel units having outer rail members disposed in registration with the base rails of said front panel units and the lower horizontal cross members of said side panel units and detachably connected therewith, the said brace panel units having adjoining ends, and the hypotenusal members of the front panel units diverging from a place adjacent the adjoining ends of the brace panel units.

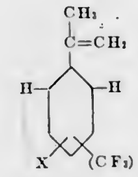
2,580,504

HALOGENATED TRIFLUOROMETHYLSTYRENE MATERIALS AND METHOD OF MAKING SAME

Gustave B. Bachman, West Lafayette, Ind., and Leonda L. Lewis, Sanborn, N. Y., assignors to The Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana

No Drawing. Application December 26, 1947, Serial No. 794,089
3 Claims. (Cl. 260—651)

3. A nuclearly halogenated trifluoromethyl-aryl-olefinic compound having the general formula



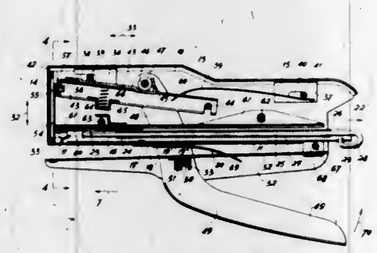
in which X is halogen.

2,580,505

STAPLING MACHINE

Aldo Balma, Voghera, Italy, assignor to Balma, Capoduri & C., Voghera, Italy

Application February 1, 1949, Serial No. 73,929
In Italy August 17, 1948
9 Claims. (Cl. 1—49)



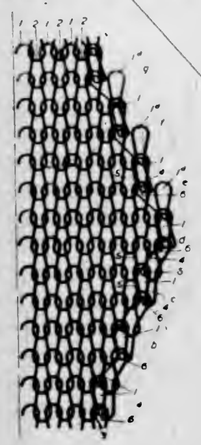
1. Stapling machine comprising in combination a housing having a loading opening at its rear end and a stapling slot at its front end; an elongated staple supporting member removably insertable into said housing through said loading opening at its rear end so as to reach within said housing to said stapling slot at the front end of the same; pivotal retaining means removably pivoting said elongated staple supporting member in inserted position to said housing so that the same is adapted to pivot about said pivotal retaining means and to properly guide staples to said stapling slot; means for urging the staples toward said stapling slot; and manually operable staple driving means for consecutively ejecting staples guided by said elongated staple supporting member through said stapling slot.

2,580,506

KNITTED FABRIC AND METHOD OF MAKING THE SAME

Edward Samuel Barsby and Alfred Percy Saunders, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a British company

Application June 2, 1949, Serial No. 96,796
In Great Britain June 17, 1948
5 Claims. (Cl. 66—183)



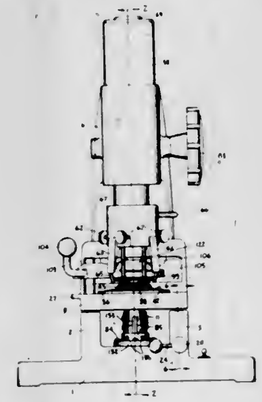
1. A selvedged knitted fabric comprising a web of knitted loops of which those in different courses vary in number so as to shape the fabric, and, at opposite ends of said courses, wale threads which are wrapped around and, at the back of the fabric, extend between the sides of knitted loops in the end wales to form run-resisting selvedges.

2,580,507

LENS BLOCKING DEVICE

Daniel P. Bernheim, Southbridge, and Carl G. Silverberg, Sturbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

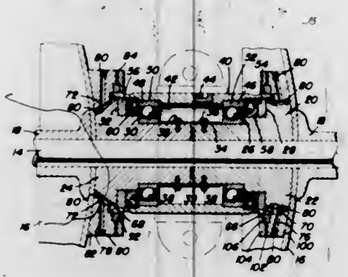
Application January 12, 1948, Serial No. 1,744
18 Claims. (Cl. 51—277)



17. In a lens blocking device, the combination of a lens block support, a support for maintaining a lens in substantial alignment with said lens block support, adjusting means intermediate said lens block support and the lens support for locating a lens in a given determinable relation

to the lens block to be supported in the lens block support, and a heating element movable into and out of a station located between the lens block support and the lens support.

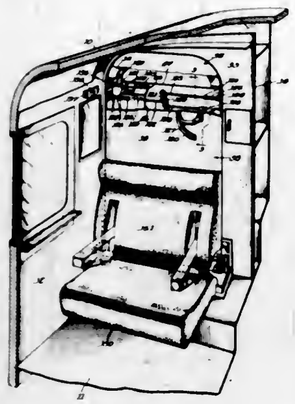
2,580,508
BEARING ASSEMBLY
Gus O. Birdwell, Perryton, Tex.
Application October 4, 1949, Serial No. 119,445
5 Claims. (Cl. 308—181)



1. A bearing assembly for a farm implement which includes a frame having a hanger fixed thereto and a plurality of earth working tools secured to a shaft, said assembly comprising a spool having the shaft passed therethrough, anti-friction bearings disposed on said spool, a sleeve disposed on said anti-friction bearings, which bearings space the center part of said sleeve from the center part of said spool to form a lubricant chamber, the hanger being fixed to the outside surface of said sleeve, oil seals disposed adjacent but spaced from the ends of said spools to prevent foreign matter from entering the lubricant chamber, dust trap passages at the ends of said spool and at opposite sides of the seals, a compressed air inlet opening communicated with each passage to force dust from the passages, the ends of said sleeve being disposed in said passages and overlying said oil seals, and shoulders formed in said sleeve constituting abutments for said oil seals.

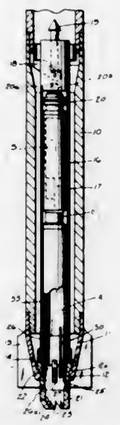
2,580,509
VEHICLE BED LOCKING ARRANGEMENT
Joseph L. Brack, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Original application March 31, 1943, Serial No. 481,258, now Patent No. 2,443,552, dated June 15, 1948. Divided and this application May 22, 1946, Serial No. 671,481
6 Claims. (Cl. 5—167)

1. In a railway car room of the type in which a bed is pivotally mounted for swinging movement between a first terminal position extending horizontally from a room wall normal to a stationary surface in the room and a second terminal position latched vertically retracted against said wall, the combination with said bed of safety means for preventing accidental falling of the bed to said first terminal position when in unlatched condition near said second terminal position comprising cooperating catch and keeper members one of which is mounted on a side portion of the bed so as to swing through an arcuate path with movement of the bed between terminal positions and the other of which is mounted on said stationary surface at a point on said path near the upper end thereof so that when the bed swings toward said first terminal position from unlatched condition near said second terminal position the members will become engaged to stop the bed at an intermediate position near said



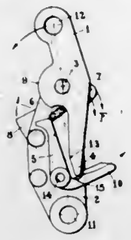
second terminal position, and manually operable means for disengaging said members to release the bed for completion of its movement to said first terminal position.

2,580,510
CORE TAKING APPARATUS
Edward Fay Brady, Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver, Colo., a corporation of Delaware
Application May 13, 1948, Serial No. 26,785
5 Claims. (Cl. 255—72)



1. A core-receiving assembly for core-taking apparatus including, a core-receiving tube, a plurality of retaining elements mounted on the lower end of said tube and depending in a plane therebelow, said elements being constructed of metallic bars having an inherent resiliency urging them radially inwardly, sharpened dogs mounted on the extreme lower end of each element, a flexible spring finger secured to the inner surface of each element intermediate its ends, and an elongate scriber mounted in the wall of the tube between two of the elements and having a toothed edge of considerable length extending radially inwardly into the bore.

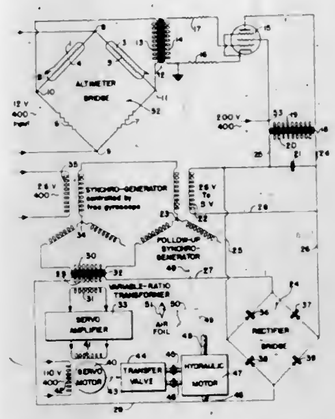
2,580,511
RELEASE MECHANISM
Paul Joseph Branchu, Paris, France, assignor to Etablissements Merlin & Gerin-Société Anonyme, Grenoble, France
Application July 23, 1947, Serial No. 762,908
In France October 12, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 12, 1962
10 Claims. (Cl. 74—2)



1. A toggle joint movable between extended and collapsed positions and a releasable lock mechanism therefor comprising, in combination, first and second elongated toggle members pivotally connected to each other for mutual turning about a first axis transverse to said toggle members; an elongated lever pivotally connected to said first toggle member for turning about a second axis substantially parallel to said first axis, said lever having two immediately adjacent portions of substantially different widths forming a shoulder therebetween, said lever portions being located on the same side of the pivotal connection of said lever and the lever portion of lesser width being located nearer to the pivotal connection of the lever than the lever portion of greater width; an elongated projecting portion connected to said second toggle member and having an end located opposite to said lever portion of lesser width and abutting against said shoulder when the toggle joint is in its extended position so as to tend to turn said elongated lever about said second axis; lock means mounted on one of said toggle members and engaging said elongated lever for opposing turning thereof by said elongated projecting portion so that said toggle joint is thereby maintained in its extended position; and actuating means connected to said lock means for moving the same into and out of engagement with said elongated lever, whereby, when said actuating means moves said lock means out of engagement with said elongated lever, said projecting portion turns said elongated lever about said second axis and said toggle members simultaneously buckle toward the collapsed position of the toggle joint.

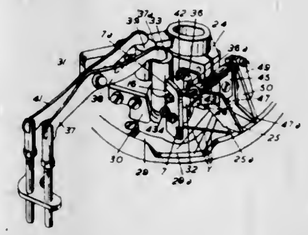
2,580,512
ALTIMETER CONTROL OF SERVO SYSTEM
John H. Broadbent, Washington, D. C., and Henry Rees Mitchell, Takoma Park, Md., assignors to United States of America as represented by the Secretary of the Navy
Application January 23, 1948, Serial No. 3,846
3 Claims. (Cl. 244—77)

3. A servo system to be carried by a guided missile, comprising means for producing an alternating voltage whose value depends on the atmospheric pressure at the missile, an amplifier for said voltage, a synchro-generator having an exciting winding and an output winding, means supplying said amplified voltage to the exciting winding, a second similar synchro-generator having a constant excitation, orientation-responsive means carried by the missile and connected to said second synchro-generator to control the relative position of the exciting winding and the output winding of the second synchro-generator in conformity with the orientation of the missile, a transformer having a plurality of windings, a circuit including, in series, one of



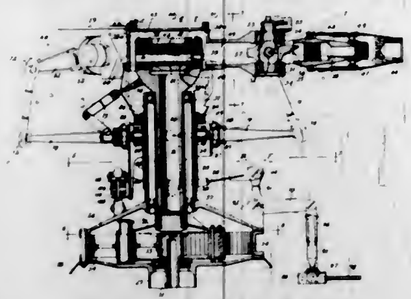
said transformer windings and the output windings of both synchro-generators, and means supplying unidirectional electrical power proportional to the atmospheric pressure at the missile and feeding said power into another winding of the transformer, to control the transformation ratio thereof.

2,580,513
YARN TRAPPING AND SEVERING MEANS FOR CIRCULAR KNITTING MACHINES
Albert Matthews Brown, Leicester, England, assignor to G. Stibbe & Co. Limited, Leicester, England, a British company
Application September 2, 1950, Serial No. 183,037
In Great Britain September 27, 1949
7 Claims. (Cl. 66—140)



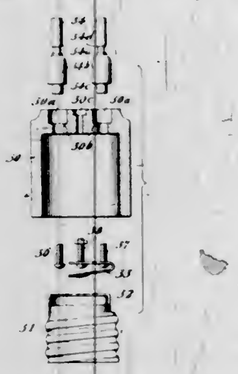
1. In a circular knitting machine, in combination, yarn trapping means consisting of a fixed member and a relatively movable trapper jaw adapted to trap and hold between them a yarn withdrawn from knitting, an associated cutting device comprising relatively movable scissor blades for severing a withdrawn yarn, a welt mechanism comprising a dial equipped with welt instruments and cams for actuating the said instruments in the production of welts, means which operatively connect a selected one of the welt cams with the cutting device and are adapted normally to maintain the said device closed, and means adapted not only to render the said welt cam operative in the making of a welt but also to move the said cam at required times suchwise as to actuate the cutting device.

2,580,514
ROTATIVE WINGED AIRCRAFT
Harris S. Campbell, Bryn Athyn, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application July 17, 1945, Serial No. 605,577
10 Claims. (Cl. 170—160.26)



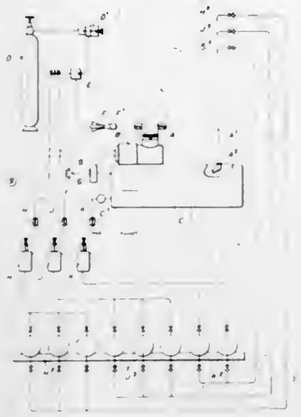
1. In an aircraft, a rotor comprising a hub member mounted to rotate about a generally upright axis, radially extending blades each having a root end mounting member, mechanism for each blade for pivotally interconnecting the hub member and said mounting member to provide for pivotal movement of the blade as a whole with respect to the hub, said pivot mechanism for each blade including a flapping pivot and a pitch change pivot, controllable means for positively shifting the blades each as a unit on its pitch change pivot, including a control member rotative with the rotor, means mounting the hub member for tilting movement to and rotation in different planes irrespective of the plane of rotation of said control member, and actuating connections between the control member and the root end mounting members of the several blades including, for each blade, a control arm extended from the root end mounting member for the blade generally in the rotative path of travel thereof to a position angularly offset from the blade substantially less than 90°, to provide for automatic variation of blade pitch upon tilting movement of the hub member.

2,580,515
ELECTRICAL ADAPTER UNIT
Thomas E. Carroll, New York, N. Y.
Application November 10, 1948, Serial No. 59,367
2 Claims. (Cl. 173—344)



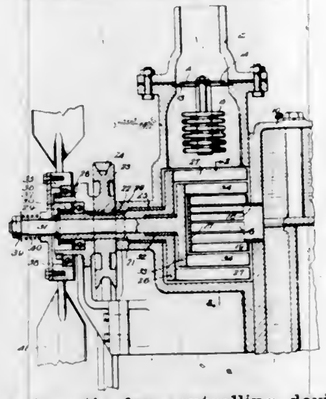
1. An adaptor unit for connecting a screw-base electrical device to a bi-post socket of the type having bayonet slots and contacts positioned beneath said slots, said adaptor unit comprising a preformed body member of insulating material having a closed end with two apertures extending through said closed end, terminal posts respectively having the inner ends thereof extending through and mounted in the apertures in said body member, the outer ends of said posts projecting from the closed end of said body member and having reduced portions for entering the bayonet slots in the bi-post socket and other portions for electrically engaging the contacts in said socket when the terminal posts of the adaptor unit are inserted and rotated in the bayonet slots, the other end of said preformed insulating body member comprising a skirt portion surrounding a screw-shell socket assembly mounted therein for receiving a screw-base electrical device, the inner ends of the terminal posts each having a portion of larger diameter followed by a portion of smaller diameter and the apertures in the body portion in which the posts are received each having larger and smaller diametral portions respectively contiguous to said portions of the post received therein thereby to seat the post and brace the outer end thereof against lateral forces exerted thereon, and metal clamping members for clamping the posts and the socket assembly to each other and to intervening portions of the insulating body member which form said smaller diametral portions of the apertures in which the posts are received.

2,580,516
BEER DISPENSING APPARATUS WITH MEANS FOR CARBONATING SAID BEER WITH A MIXTURE OF CO_2 AND AIR IN DEFINITE RATIO
William Lewthwaite Chapplow, Honiton, England, assignor to Myron E. Hood, Cincinnati, Ohio
Application February 21, 1948, Serial No. 10,025
In Great Britain November 3, 1938
Section 1, Public Law 690, August 8, 1946
Patent expires November 3, 1958
9 Claims. (Cl. 225—1)



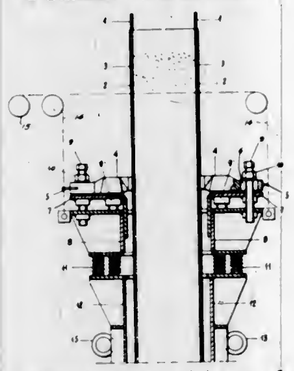
1. Apparatus for dispensing beer on draught, comprising a supply of carbon dioxide, a compressor, a reservoir for a mixture of carbon dioxide and air, pressure-responsive means for automatically controlling the compressor in accordance with the pressure of the mixture in the reservoir for maintaining said pressure between selected pressure limits, a valve regulating the pressure of the supply of carbon dioxide to the reservoir, a cut-off valve interposed between said regulating valve and the reservoir also controlled by said pressure-responsive means and a reducing valve for delivering the mixture of carbon dioxide and air at constant pressure from said reservoir.

2,580,517
LIQUID COOLING PUMP AND FAN
Walter B. Clifford, Boston, Mass.; Bess Swenson Clifford, Boston, and Anne C. Post, Wayland, Mass., executrices of said Walter B. Clifford, deceased
Application October 30, 1948, Serial No. 57,597
8 Claims. (Cl. 123—41.46)



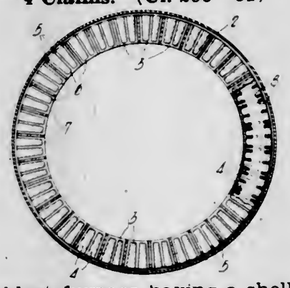
6. An automatic fan-controlling device comprising a casing adapted to be secured to the water jacket of an internal combustion engine and providing a passage between the water jacket and radiator, said casing having a hub, a hollow shaft journaled in the hub and carrying a turbo-impeller, a solid shaft located within the hollow shaft and carrying a turbo-rotor disposed concentrically within the impeller, means for driving the said hollow shaft, a tube projecting from the water jacket providing a fluid passage concentrically disposed with respect to said shafts, and a thermostatic valve controlling flow through said passage.

2,580,518
SÖDERBERG ELECTRODE SUSPENSION
Giampietro Conti, Milan, Italy, assignor to Siemens Societa per Azioni, Milan, Italy, a corporation of Italy
Application May 28, 1949, Serial No. 95,996
In Italy June 1, 1948
4 Claims. (Cl. 13—14)



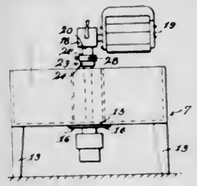
1. In an electric arc-resistance furnace, an electrode of the Söderberg type, comprising a metal sheet cylinder containing an electrode mixture; a plurality of flat bars arranged in the electrode for reinforcing the same along at least two of its generating lines; a plurality of recesses in each of said bars; a suspension for the electrode including a plurality of supporting members engaging said recesses, respectively; a holding suspension cylinder arranged below said supporting members and hanging from an electrode controlling winch; and resilient means arranged between said supporting members and said suspension cylinder to compensate for any unbalanced loads on said supporting members.

2,580,519
STOCK LINE WEARING ELEMENT
Harold Cope, University Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 15, 1949, Serial No. 99,286
4 Claims. (Cl. 266—31)



4. In a blast furnace having a shell and a refractory lining therein, the combination therewith of a plurality of wear-resistant elements embedded in successive courses in the lining in the zone of the stock line of the furnace, each of said elements having a rectangular face portion initially exposed on the inner surface of the lining, leg portions extending outwardly from the side edges of said face portion, a similar intermediate leg portion extending outwardly from the face portion in the median vertical plane normal to the face portion, the elements in successive courses being laid in regular broken-joint pattern with the intermediate leg portions of the elements of one course substantially in vertical alignment with the edge leg portions of the elements in adjacent courses whereby after wearing away of the face portions of the elements, the leg portions of adjacent courses form substantially continuous wear-resistant ribs embedded in said lining.

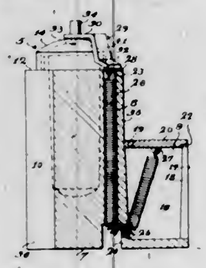
2,580,520
TORQUE TUBE BRACKET ASSEMBLY FOR CLOTHES WRINGERS
Orville F. Couchot, De Land, Fla.
Application August 5, 1949, Serial No. 108,806
8 Claims. (Cl. 68—274)



3. A torque tube bracket assembly for clothes wringers comprising a tubular bracket member adapted to extend through a laundry tub and

rigidly secured thereto in an upright position, a torque tube extending loosely through said tubular bracket and adapted to be supported at its lower end on a gear case for a clothes wringer and being displaceable radially relatively to the tubular bracket and gear case, said torque tube being adapted to loosely accommodate a clothes wringer drive shaft therein, means disposed adjacent the upper end of the tubular bracket for radially displacing the torque tube relatively thereto, and means mounted on said torque tube on which the depending end of a tubular gear head post of a clothes wringer is adapted to be swivelly supported for swingably mounting the clothes wringer and for maintaining it with its longitudinal axis in substantially a horizontal position.

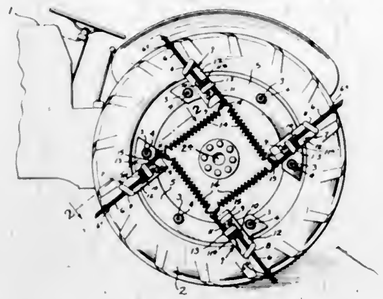
2,580,521
COMBINATION CONDIMENT AND TOOTHPICK HOLDER AND DISPENSER
Orville F. Couchot, De Land, Fla.
Application August 5, 1949, Serial No. 108,808
4 Claims. (Cl. 222—130)



1. A condiment and toothpick holder comprising a body having upwardly opening recesses adapted to contain salt and pepper, removable caps for normally closing the open tops of said recesses and each provided with a dispensing opening, said body having an upwardly opening toothpick receiving recess terminating below the level of the open tops of said salt and pepper containing recesses, a closure swingably and detachably mounted on said body for closing the toothpick receiving recess, a closure member fulcrumed on said body for selectively closing the dispensing openings of either of said caps, said body having communicating passages, and a contractile spring disposed in said passages and fastened at one end to the toothpick recess closure and at its opposite end to said cap closure for yieldably retaining the closures in closed positions.

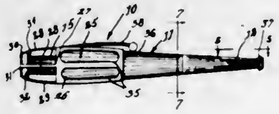
2,580,522
RETRACTABLE GROUND-GRIPPING DEVICE FOR VEHICLE WHEELS
John G. Cowles, Rainier, Oreg.
Application March 12, 1948, Serial No. 14,458
9 Claims. (Cl. 301—50)

1. The combination with a driving wheel of a vehicle, of traction means, comprising a frame secured to one face of said wheel, said frame carrying a plurality of sockets spaced radially about said wheel, a retractable elongated spud slidably arranged in each of said sockets and being longitudinally retractable therein, said spuds being individually and selectively positionable in their sockets either to lie with their pointed outer ends extending beyond the peripheral outline of said wheel or retracted by lateral tipping within said sockets with said points lying within said sockets with said points lying within said peripheral outline each spud extending more or less radial to the driving wheel and in extended position bearing endwise in its socket, the socket being apertured to accommodate said tipping retraction, and a series of retracting springs join-



ing said spuds together and positioned and arranged to aid in retracting them to the last mentioned position, said springs each being joined by their ends to adjacent springs arranged normal thereto.

2,580,523
CIGARETTE HOLDER
Albert J. Crone, Cincinnati, Ohio
Application July 20, 1945, Serial No. 606,119
1 Claim. (Cl. 131—181)



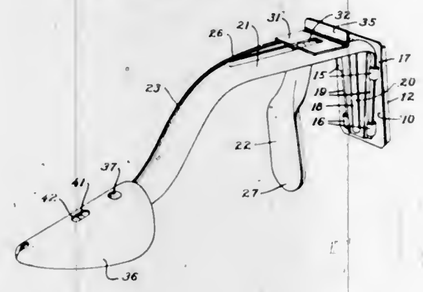
A cigarette holder comprising a mouth piece, a tubular stem threadably secured to said mouth piece at one end and flared to facilitate the insertion of a cigarette thereinto at the other end, a cup adapted to slide within said stem and to receive and to retain one end of a cigarette, a helical spring compressed between said cup and said mouth piece to urge said cigarette out of said stem, said other end of the stem having an externally threaded portion, a member including an apertured protective grill surrounding the said stem adjacent said flared end thereof, said member having an intermediate portion thereof comprising a ring internally threaded and engaging said externally threaded portion of the stem, arms integral with and extending forwardly from said ring, another ring secured to the forward ends of the arms, and heat-resistant cross wires secured to and between said arms to abut a lighted end of a cigarette, whereby said cigarette is supported with the lighted end thereof visible and substantially open to the atmosphere.

2,580,524
PRODUCTS FOR COATING MOLDS AND INGOT MOLDS
Henri Jean Daussan, Metz, France
No Drawing. Application January 25, 1949, Serial No. 72,740. In France January 29, 1948
2 Claims. (Cl. 22—189)

1. A product for coating metallic moulds and ingot moulds, adapted to protect the walls of the moulds and the molten metal core being processed in said moulds against migration of carbon from said walls to said core, which consists essentially of a mixture of pulverulent carbon grains capable

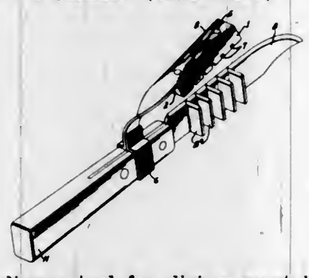
of passing through a sieve opening not in excess of about 0.003 inch and adapted to enter the pores of the mould walls; and of an alkali metal hydroxide, at least a portion of said hydroxide being unreacted and free and being disseminated among and supported by said carbon grains, said portion amounting to between 3% and 10% of the weight of said mixture, and being adapted to create a protective zone of mechanical turbulence peripherally between said core and said mould walls.

2,580,525
SHOE HOLDING DEVICE
Roger H. David, St. Paul, Minn.
Application June 10, 1948, Serial No. 32,195
4 Claims. (Cl. 12—128)



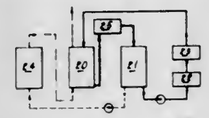
1. A shoe holding device comprising an arm having an anchoring end, a forwardly extending horizontal portion connected to said end, a forwardly and downwardly inclined arm portion on said horizontal portion, and a toe portion on the end of said forwardly and downwardly inclined portion, said forwardly extending portion having an elongated slot therein, a heel engaging element, said heel engaging element engaging the undersurface of said horizontally extending portion on opposite sides of said slot, a plate on said heel engaging element overlying said horizontally extending portion and connected to the remainder of said heel engaging element through said slot, and means for holding said plate in proper alignment with said slot including an upwardly directed tongue on the portion of the heel engaging element beneath said horizontal arm portion, said plate having an aperture therethrough through which said tongue is engaged.

2,580,526
CHOPPING BLOCK OR KNIFE ANVIL
John H. Dawson, Rockville, Md.
Application March 15, 1948, Serial No. 14,927
2 Claims. (Cl. 30—303)



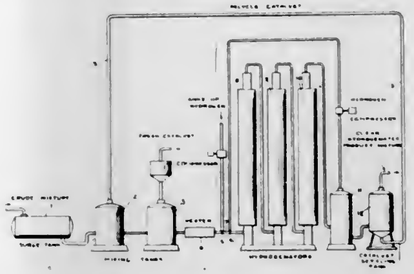
1. A culinary tool for dicing vegetables comprising a knife having a handle and a principal blade, said blade formed with a longitudinally extending cutting edge extending in substantial alignment with the handle and further formed with a plurality of laterally extending spaced secondary blades each having a cutting edge, the cutting edges of said secondary blades all positioned in a common plane with the cutting edge of the principal blade in combination with a loop member adapted to snugly embrace the handle, a resilient back strip having one end secured to said loop, said back strip extending over the cutting edges of the blade, and an anvil part of relatively soft non-edge dulling material secured to said back strip confronting the knife edges.

2,580,527
METHOD AND ABSORPTION MEANS FOR SEPARATING AND FOR RECOVERING CARBON MONOXIDE FROM GAS MIXTURES
Hans Deringer, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application June 7, 1947, Serial No. 753,310
In Switzerland June 11, 1946
14 Claims. (Cl. 23—2)



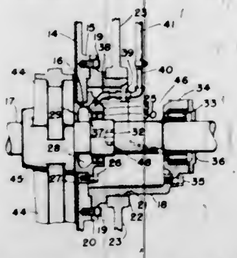
1. The process of separating carbon monoxide from a gas mixture by contacting the mixture with an aqueous medium containing a univalent cuprous salt and a magnesium salt precipitate.

2,580,528
HYDROGENATION
Henry K. Dice, Samuel B. Jeffries, Jr., and Warren D. Hull, Corpus Christi, Tex., assignors to Celanese Corporation of America, a corporation of Delaware
Application June 14, 1948, Serial No. 32,814
2 Claims. (Cl. 260—452)



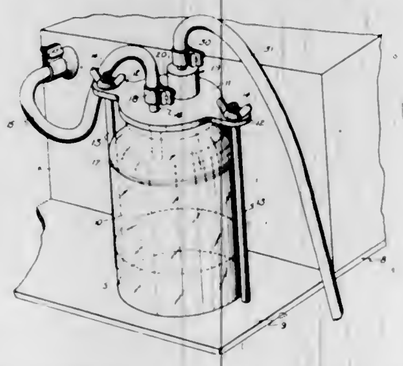
1. In a process for the treatment of a mixture comprising essentially acetone, methyl ethyl ketone, acetaldehyde, alcohols, oxides, acetals, and higher complex aldehydes, the step which comprises subjecting the mixture maintained at a pH of 5.0 to 7.0 and at a temperature of 150° to 250° F. to catalytic hydrogenation with free hydrogen under a pressure of 300 to 2000 pounds per square inch employing nickel as the hydrogenation catalyst, so as to cause the reduction of the higher aldehydes and a part of the ketones present to hydroxy compounds and separating the hydrogenated mixture obtained into the individual components comprising the same.

2,580,529
SHAFT SEAL
Norman E. Dietz, York, Pa., assignor to Read Standard Corporation, a corporation of Delaware
Application August 11, 1949, Serial No. 109,759
2 Claims. (Cl. 259—109)



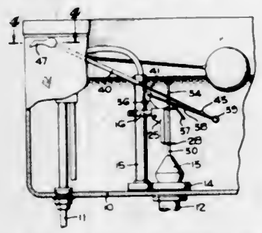
1. A shaft sealing structure for mixers of the type including a mixing chamber and an agitator mounted on a rotatable agitator shaft that extends through an oversize opening in an end wall of the mixing chamber, said structure comprising a housing secured to said end wall in surrounding relation with the oversize opening therein and encompassing the extension of said shaft, a chambered pressure sealing casing surrounding said agitator shaft and having axial movement thereon, said casing having the outer portion thereof conforming to the contour of said oversize opening of said mixing chamber, and said casing having said outer portion thereof received in said oversize opening and engaging the wall portion defining said opening, the overall width of said sealing casing measured axially of said shaft being substantially less than the inside width of said housing measured axially of said shaft, said casing being movable out of said opening and along said shaft within said housing to expose said oversize opening, and said housing having a portion of the wall thereof cut away to form an inspection opening for visually inspecting the end of said agitator through said oversize opening.

2,580,530
BATTERY SUMP
James I. Diley, Carroll, Ohio
Application November 25, 1947, Serial No. 788,073
1 Claim. (Cl. 136—178)



The combination with a wet battery having a casing containing a liquid electrolyte, of a closed container supported for movement with said battery, said container having a top, an electrolyte conduit leading from the interior of said battery casing and passing downwardly through the container top, a static vent conduit leading away from said container, and valve means on the container top to which said static vent conduit is connected, said valve means having a gravity operated valve element ineffective to prevent communication between the interior of said container and said vent conduit while said container and said battery are in erect positions and acting to close communication between the interior of said container and said vent conduit while the container and the battery are moved into sharply angulated or inverted positions, said valve means comprising a vertical cylindrical body extending through said top, said body having an upper end, a restricted tubular portion on said upper end to which said vent tube is connected, said tubular portion opening at its lower end through said upper end, a valve seat at the lower end of said tubular portion, a single ball check free for vertical movement in said body, said valve body having a lower end having a restricted vertical passage communicating with the interior of said body and with the interior of said container, said ball check normally resting upon said lower end, said lower end having ridge means rising above the upper end thereof whereby said ball check is elevated out of closing relation to said restricted passage in the erect positions of said container and said battery, said ball check being arranged to move toward the upper end of said body and closingly engage said valve seat whenever said container and said battery are moved into sharply angulated or inverted positions.

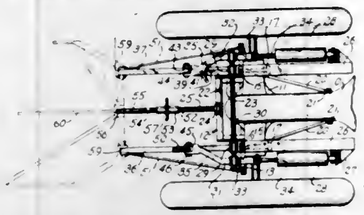
2,580,531
FLUSH TANK BALL OPERATOR
George R. Driskill, San Bernardino, Calif.
Application November 24, 1950, Serial No. 197,226
1 Claim. (Cl. 4—57)



A flush tank ball operator comprising a bracket attachable to the overflow pipe of a flush tank, a sheet metal guide mounted thereon for pivotal adjustment, said guide having upper and lower flanges with aligned pairs of apertures therein, a flush tank ball having a stem slidable through one pair of apertures, an inverted U-shaped guide having sides slidable through the other pairs of apertures and having a cross bar to which the stem is connected, a crank pivotally mounted upon the bracket having an arm engageable with the cross bar, a telescopic lever pivotally connected to the crank, and means for swinging the telescopic lever.

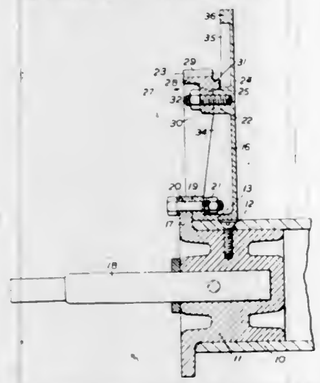
2,580,532
TRACTOR HITCH FOR AGRICULTURAL IMPLEMENTS
Richard L. Dugger, Hammon, Okla.
Application May 12, 1950, Serial No. 161,640
2 Claims. (Cl. 97—50)

1. A three point suspension hitch for tractors comprising spaced upright channel members having clamp means adapted to be secured to the axle housing of a tractor, a rock shaft mounted adjacent the upper ends of the channel members, a bell crank lever on the ends of said rock shaft, said upright channel members having a pair of rearwardly extending draw bars, connecting means between one arm of each of said bell crank levers and said draw bars, one of said means being vertically adjustable, an arm fixed to each upright channel member and extending



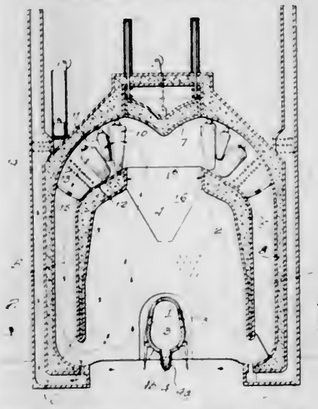
forwardly therefrom at a level below said rock shaft, a hydraulic cylinder pivotally mounted at a forward end of each arm, and having a piston rod connected to the other arm of said bell crank levers, an adjustable control rod connected intermediate the height of the upright channel members, said draw bars having means for connection to an implement to be drawn, and said control rod having a coupling for connection to said implement at a point above the connection to said draw bars.

2,580,533
WARP BEAM
Fred Eastwood, New Eltham, Leopold Lasch, Finchley, and Arthur Ernest Rogers, Farnworth, England
Application September 30, 1949, Serial No. 118,908
In Great Britain October 4, 1948
4 Claims. (Cl. 242—124)



1. A warp beam comprising a tubular barrel, a metal flange element slidably mounted on said barrel with its axially inner surface perpendicular to the barrel axis, an integral rib extending axially outwardly from the flange element and located between the inner and outer peripheries of said element, said rib having a first locating surface at its axially outer side arranged in a plane parallel to the axially inner surface of the flange element, and a second locating surface arranged angularly with respect to said first locating surface, both said locating surfaces being concentric with the axis of the barrel, a hubless toothed metal ring demountably secured on said flange element and having a radially inwardly projecting part formed with surfaces seating on the locating surfaces of the rib, a member secured to the barrel and having a projection abutting the end of and extending radially outwardly from the barrel, a projection on the flange element having a radial surface parallel to an adjacent radial surface of the projection on said member, and means securing the projection on said flange element to the projection on the said member with their respective radial surfaces in predetermined relationship axially of the barrel.

2,580,534
HEAT ACCUMULATOR
Anne Escher, The Hague, Netherlands
Application August 1, 1947, Serial No. 765,544
In the Netherlands May 9, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 9, 1965
9 Claims. (Cl. 110—97)

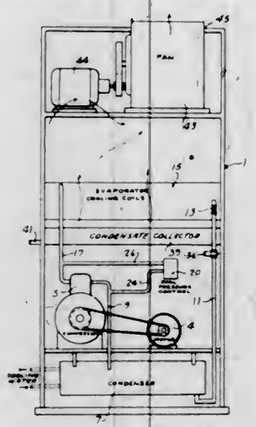


1. A furnace assembly, including the combination of a wall forming a longitudinal fire box having a first and a second longitudinal zone therein; a heat accumulator disposed adjacent to said fire box and provided with a plurality of channels formed in said heat accumulator; said wall having openings in said second zone of said fire box for providing a communication between said second zone of said fire box and the adjoining channels of said heat accumulator; wall means forming an outer furnace shell, spaced from said heat accumulator so as to form an intermediate passage encircling the major part of said heat accumulator; an insulating covering disposed on the exterior of said heat accumulator; container means for the fluid to be heated located in said intermediate passage; the insulating covering having top and bottom openings adjacent the top portion and bottom portion of said heat accumulator; and operative closure means for closing at least one of said openings so that the heated fluid circulates by thermosiphon action through the channels of said heat accumulator in closed position of said closure means and circulates by thermosiphon action through said channels of said heat accumulator and through said intermediate passage in open position of said closure means.

2,580,535
AIR-CONDITIONING APPARATUS
Emanuel Feinberg, Detroit, Mich.
Application October 16, 1946, Serial No. 703,698
4 Claims. (Cl. 62—140)

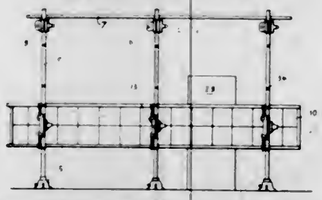
1. In combination, an elongated enclosure, a passage for air into the enclosure near one end,

an exit passage for air near the opposite end, an externally cooled liquid receiver mounted in the enclosure near the first-named air passage, a compressor-pump mounted adjacent said liquid receiver and between it and the exit passage, a source of motive power connected to drive the pump, a means to collect and remove condensed moisture, said means being mounted in the enclosure between the compressor and the exit passage, a cooling coil mounted in the enclosure between said means and the exit passage, an air



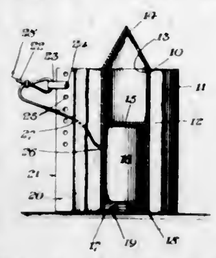
pump mounted in the enclosure and positioned to draw air into the enclosure by way of the first named passage and to pump said air out through the exit passage to provide an air stream flowing through the enclosure, means to drive the air pump, and liquid conduits connecting the compressor, the receiver, the cooling coil, and the compressor again in the order named, all the heat producing elements of the refrigeration system being located in the air stream ahead of the cooling coil.

2,580,536
MOUNTING FOR WALL FORMS
Ubaldo Fiorenzi, Sinigallia, Italy
Application August 8, 1946, Serial No. 689,129
In Italy September 8, 1945
12 Claims. (Cl. 25—131)



1. A mounting for wall forms comprising a base adapted to be secured to the ground; a first set of seats forming supports; means to secure said supports at selected horizontal points to said base; track forming cross ties provided at ground level and secured with one end to said base at spaced points; means for securing the other end of said cross ties to the ground; a second set of seats forming supports adapted to slide on said cross ties; means to lock said second set of supports on said cross ties in selected horizontal positions; two sets of uprights supported in detachable manner one in each of said sets of seats holding means arranged on said uprights for vertical adjustment; means combined with said holding means for rigidly fastening the same in vertically adjusted position wherever desired; and means maintained in said holding means to support a plurality of wall forms from said uprights.

2,580,537
ENCLOSED KITE-TYPE DETECTOR CARRIER
John W. Flude, Houston, Tex.
Original applications September 16, 1939, Serial No. 295,198, and March 7, 1942, Serial No. 433,731. Divided and this application June 4, 1947, Serial No. 752,471
3 Claims. (Cl. 114—0.5)



1. An apparatus for towing an instrument through the water comprising, concentric cylindrical casings, a conical member overlying one end of the innermost cylinder, a plug insertable within the end of the innermost cylinder opposite the conical member, a disc-like member transversely carried within the innermost casing intermediate the ends thereof, said conical member, plug and disc being adapted to divide the interior of the innermost casing so as to form a watertight buoyancy chamber between the conical member and the disc and a watertight instrument-holding chamber between the disc and plug, a plurality of fins extending radially from said innermost casing and connecting the concentric casings together and tie means comprising pierced outwardly flared flanges on the outer casing and an extended fin therebetween, said fin being adapted to be secured to the end of a towing line.

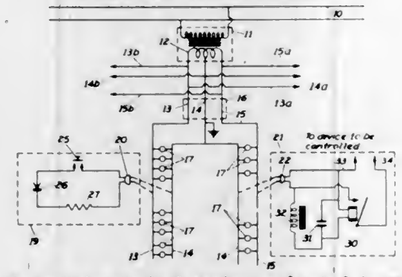
2,580,538
PORTABLE APPARATUS FOR OBTAINING LINEAR MEASUREMENTS
George A. Gentsch, Oklaunion, Tex.
Application August 11, 1950, Serial No. 178,978
2 Claims. (Cl. 235—95)



2. An apparatus for obtaining land measurements comprising a pair of longitudinally extending transversely spaced parallel bars, a sleeve transversely disposed and rotatably journaled through the forward ends of the bars and forming a handlebar, supporting plates secured to the rearward ends of the bars and projecting rearwardly in parallelism therefrom, a wheel having an axle rotatably disposed between the plates, means for rotatably journalling the axle of the wheel in the plates, one end of the axle projecting outwardly from one of the plates, a counter, a bracket supporting the counter adjustably mounted on one of the plates and having an opening for receiving the projecting end of the axle, means for operatively connecting the axle to the counter and means for coupling the frame to a power vehicle having a hitch bar and including a

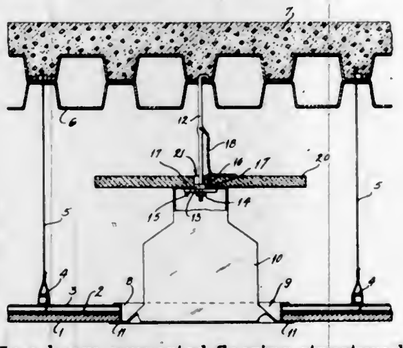
U shaped bracket having apertured legs engageable on the opposite ends of the sleeve, locking means disposed through the legs and sleeve, a hitch plate projecting forwardly from the bight portion of the bracket and engageable on the hitch bar, and means for locking said bars and wheel in a raised position including an upstanding locking rod connected at one end to the hitch plate and having an offset opposing end, one of said bars having an opening for receiving said offset end of the rod.

2,580,539
ELECTRICAL REMOTE-CONTROL SYSTEM
Carl L. Goodwin, Bay Village, Ohio
Application September 30, 1947, Serial No. 776,879
3 Claims. (Cl. 177—352)



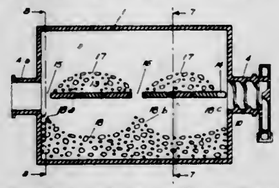
1. A remote control system adapted to utilize a conventional alternating current wiring system to transmit an electric impulse from a sending station to a receiving station, a sending station comprising a normally open switch, an asymmetric conducting device, a resistor and a normally closed thermostatic switch all connected in series and adapted to be connected across two lines of the wiring system, said thermostatic switch having a heating coil connected in parallel with said asymmetric conducting device, said thermostatic switch being arranged to open after current has flowed through the heating coil thereof for a predetermined period of time, thereby cutting off the flow of current through said asymmetric conducting device.

2,580,540
SUSPENDED CEILING WITH RECESSED LIGHTING FIXTURE
Charles R. Graves, Eureka, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application February 6, 1947, Serial No. 726,809
5 Claims. (Cl. 189—45)



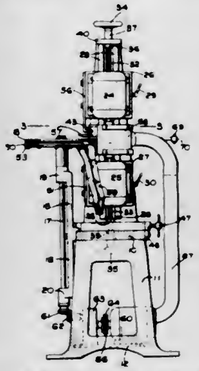
1. In a beam supported flooring structure having an apertured ceiling suspended therefrom in spaced relation to define a fire and heat protective zone below the flooring structure, the improvement which consists in a lighting fixture fitting into the ceiling aperture, fixture suspending means connected with the flooring structure, a fusible element adapted for connecting said fixture with said suspending means, said fusible element releasing the fixture from the ceiling aperture upon a predetermined low temperature in the area below the ceiling reaching the fusible element to cause it to melt, and a fire and heat resistant closure normally supported on and above the ceiling aperture by said fixture, said closure moving over the ceiling aperture upon release of said fixture.

2,580,541
ROTARY GRINDING OR DRYING MILL
Newton L. Hall, Long Beach, Calif.
Application December 29, 1947, Serial No. 794,338
3 Claims. (Cl. 241—137)



1. A horizontal rotary mill comprising: a cylindrical casing having openings at both ends for receiving and discharging material; and a wall within the casing lying substantially in a diametral plane and extending across the full diametral width of the casing and longitudinally for the major portion of the length of the casing to divide the interior thereof into two compartments; said wall being provided with an opening intermediate its ends extending across the full diametral width of the casing to provide for free passage of material by gravity through said opening from each compartment to the other during rotation of the mill.

2,580,542
MACHINE FOR GRINDING THE ENDS OF COILED SPRINGS
Harold Frederick Heath, Redditch, England, assignor to W. J. Llewellyn Limited, Redditch, England
Application July 31, 1947, Serial No. 765,018
In Great Britain July 3, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 3, 1966
2 Claims. (Cl. 51—118)



1. In a machine for grinding the ends of coiled springs, the combination of a supporting struc-

ture, including a table, bearing means at one side thereof, a vertical spindle supported by said bearing means, a horizontal feed plate mounted on said spindle, said feed plate having spring receiving openings and extending over said table, means for rotating said feed plate, an upwardly extending carriage support slidably mounted on the upper face of said table for movement towards and away from said spindle, means for effecting and controlling said movement, a pair of vertically spaced carriages slidably mounted on said support, said carriages having respective opposed grinding wheels between which the feed plate extends, means on said carriages for driving said grinding wheels, and said support having means for adjusting and controlling the relative vertical position of the carriages thereon.

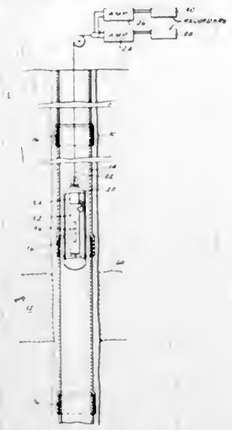
2,580,543
COVER PLATE FOR VEHICLE WHEELS
William P. Henderson, Detroit, Mich.
Application February 25, 1948, Serial No. 10,718
12 Claims. (Cl. 301—37)



1. A cover for a vehicle wheel having at least two axially extending and circumferentially spaced resilient tongues at the peripheral edge thereof, said tongues having radial flanges at the end thereof adapted to hook behind a radial edge of said wheel, one of said tongues having a socket formed therein accessible from the outer side of said cover whereby a prying tool can be inserted into said socket from the outer side of the cover and used as a lever to pry said tongue in a radial direction away from said radial edge of said wheel and thereby disengage said radial flange from behind said radial edge of said wheel.

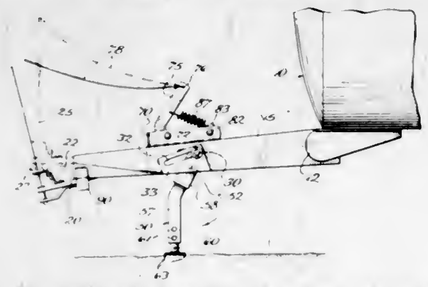
2,580,544
LOCATING CASING COLLARS IN A WELL
Gerhard Herzog, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 30, 1948, Serial No. 68,343
3 Claims. (Cl. 250—83.6)

1. In a bore hole provided with a casing the sections of which are connected by enlarged threaded couplings, the method of locating the position of said couplings which comprises passing a source of neutrons through the cased bore hole whereby the casing, casing couplings and surrounding formations are subjected to neutron bombardment, producing electrical pulses by the neutrons scattered within the surrounding material and returned to the bore hole near the source, integrating said pulses in a resistance-capacitance circuit having a time constant commensurate with the time required for the source to pass one of said couplings, amplifying and recording the integrated pulses and from the rec-



ord determining the points of least scattered neutron intensity, said points indicating the position of the casing couplings in the hole.

2,580,545
COMBINATION DRAWBAR AND SUPPORT
Stanley E. Hill, Kankakee, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 27, 1947, Serial No. 782,376
12 Claims. (Cl. 280—33.44)

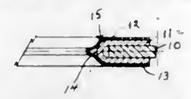


1. In combination with a drawbar comprising an element to be carried by an implement and an element having a free end for attachment to a source of locomotion, said second element being permanently connected at its other end to the first element by a longitudinal closed guideway and transverse pin connection permitting limited longitudinal movement of the second element relative to the first element, and a leg for supporting the drawbar, said leg having a lost motion connection to said second member, and manually operable means for latching and unlatching the leg in operative and retracted positions.

2,580,546
JACKETED GASKET
Charles M. Hobson, Jr., Wenonah, N. J., assignor to United States Gasket Company, Camden, N. J., a corporation of New Jersey
Application July 2, 1947, Serial No. 758,673
7 Claims. (Cl. 288—33)

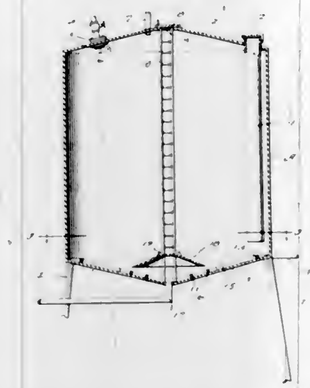
1. A sealing member construction comprising an inner resilient compressible sealing member and an outer continuous impervious jacket of chemically inert plastic material resistant to acids and

solvents enclosing said inner member, said jacket being free of radial seams or joints, having con-



tinuous smooth unbroken exposed annular faces and being unadhered to the said inner gasket.

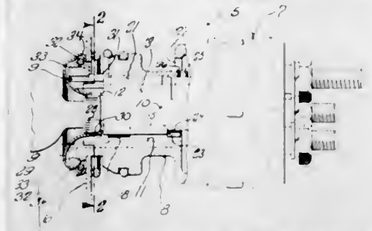
2,580,547
SELF-CLEANING GAS SAFETY TANK
Joseph D. Hollcroft, Kermit, Tex.
Application December 27, 1946, Serial No. 718,768
2 Claims. (Cl. 210—209)



1. A tank for storing crude oil or the like comprising a bottom in the form of an inverted cone, an upstanding wall super-imposed upon said inverted cone and secured thereto, a horizontally disposed circular pipe positioned within said inverted cone adjacent to and spaced from the upper end thereof and resting upon said cone, a pipe having one end extending through said upstanding wall and connected to said circular pipe for delivering fluid under pressure to the latter pipe, a plurality of pipes arranged at an angle with respect to and within said circular pipe and each having one end connected to said circular pipe, said plurality of pipes extending in radial spaced relation about the inner-periphery of said circular pipe and resting upon said inverted cone, the other ends of said plurality of pipes being each provided with a nozzle and spaced from the apex of said inverted cone, a drain pipe exteriorly of said inverted cone and having one end connected to the apex of said cone for withdrawing sediment suspension fluid from said tank, and a fixed conically shaped baffle positioned within said circular pipe and in alignment with the apex of said inverted cone and having its bounding edge spaced from the plurality of pipes.

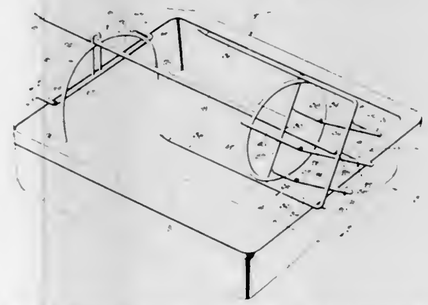
2,580,548
MOUNTING FOR LOCK MECHANISM
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis, a corporation of Delaware
Application July 26, 1948, Serial No. 40,650
12 Claims. (Cl. 70—370)

4. In a lock of the character described: a body having a bore; lock mechanism within the bore and comprising a casing and a lock plug rotatable therein, said casing being smaller in diameter than the bore; supporting ledges in opposite side walls of the bore; a spring blade resting upon said ledges and having its medial portion bearing against the side of the casing to hold the lock



mechanism against one side of the bore, part of the casing wall being cut away to expose the lock plug; a part on said spring blade engaging and pressing against the exposed part of the plug; and interengaging abutments on the body and spring blade holding the blade against shifting endwise of the bore.

2,580,549
SKEWER ROASTER FRAME
James J. Jacobson, New York, N. Y.
Application July 2, 1949, Serial No. 102,921
11 Claims. (Cl. 99—421)



6. A skewer roaster frame for attachment to a pan having a laterally projecting top flange, comprising a first frame member providing a support and having parts for its releasable attachment to a pan so that said support is in position above the latter, and a second frame member comprising two U-shaped wire elements each having substantially parallel legs and a connecting yoke and both being secured to each other at their centrally rectangularly intersecting yokes with their legs extending in the same direction, and a skewer secured with one end to said elements at their intersection and extending forward of said legs and substantially parallel to the latter, said legs being adapted for the support of said second member on the top flange of the pan in four different angular positions thereon in either one of which said skewer is adapted to rest on said support of the first member when the latter is attached to the same pan remotely from said second member.

2,580,550
BIS(p-CHLOROPHENYL)MERCAPTOLE ACETONE AND ITS MITICIDAL ACTIVITY
Arthur G. Jelinek, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 25, 1949, Serial No. 112,417
4 Claims. (Cl. 167—30)

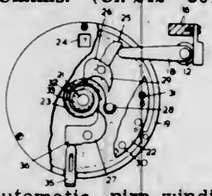
1. Bis(p-chlorophenyl) mercaptole acetone.

2,580,551
SCRAPER-BLADE ASSEMBLY FOR PLASTER MIXERS AND THE LIKE
Jerome Kacena, Chicago, Ill.
Application March 8, 1951, Serial No. 214,591
4 Claims. (Cl. 259—178)



1. In a mixer for plaster and the like wherein is a drum having a wall curved about the drum axis for containing material to be mixed and a blade disposed radially of the drum axis and movable through a fixed path within the drum with one of its edges proximate to, but slightly spaced from and parallel with its curved wall, the feature of improvement which consists in an elongated resilient scraper disposed radially of the drum axis and having one of its sides positioned flatwise upon the blade and extended outwardly therefrom and then curved, counter to its own tension, to present normally the same scraper side in flatwise pressure engagement with the proximate drum wall, an elongated reinforcing strip disposed flatwise upon the scraper side opposite that which contacts the blade and extended lengthwise of the scraper but spaced from the proximate blade edge by a distance no less than the thickness of the scraper to provide clearance wherein the position of the scraper curved portion may be shifted further from the proximate drum wall to accommodate therebetween an oversized object, and means fixedly interconnecting the strip, scraper, and blade in unitary relation.

2,580,552
COUNTER AND STOP MECHANISM FOR TEXTILE MACHINERY
William Harry Kimpton, Wilmslow, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application October 3, 1946, Serial No. 700,986
In Great Britain October 8, 1945
4 Claims. (Cl. 242—36)



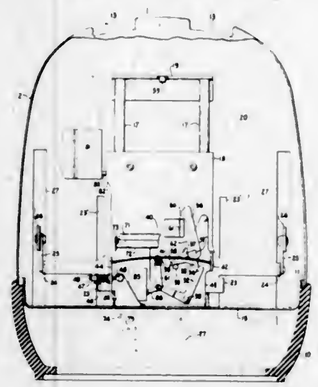
1. In an automatic pirn-winding machine comprising doffing and donning mechanism and a member adapted to be moved to initiate a cycle of action of said doffing and donning mechanism, an attachment comprising a counting device adapted to operate step by step by the motions of a part separate from the counting device and attached to said member, a spring, a stop adapted to be brought, after a predetermined number of said steps, against the action of said spring into the path of said part so as to prevent further motions of said part and said member, and release mechanism for said stop permitting resetting thereof to a zero position under the action of said spring.

2,580,553
BEVERAGE SPIGOT
William V. King, Brooklyn, N. Y., assignor to Spacarb, Inc., New York, N. Y., a corporation of Delaware
Application September 20, 1948, Serial No. 50,045
5 Claims. (Cl. 277—3)



1. A beverage dispensing spigot comprising, in combination, a housing for stationary mounting, having a recess therein opening toward the underneath side thereof, a valve body removably secured in said recess, said body having a plurality of separate fluid conduits therethrough said conduits having inlet openings at a lateral side of said body and outlet openings at the underneath side of said body, a valve seat in each said conduit, a valve member in each conduit adapted to engage the valve seat thereof and upwardly spring pressed against said seat, said housing having a second recess therein opening toward the upper side thereof communicating with said first recess, each said valve member having a portion extending upwardly beyond the upper side of said valve body and into said second recess, and a cylindrical cam element mounted for limited rotation in said second recess having individual cam faces to engage respective ones of said upwardly extending portions of said valve members, said second recess being formed to closely engage said cam element.

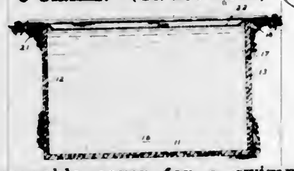
2,580,554
ELECTRIC TOASTER
William H. Kitto, Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 18, 1947, Serial No. 735,328
9 Claims. (Cl. 99—334)



1. A toaster comprising, a bread carriage movable from charging to toasting position and biased to charging position, a thermally responsive element movable from a first position to a second position when heated and back to its first

position as it cools, heating means for said thermally responsive element, a latch mounted for pivotal and sliding movement by means of a pin and slot connection for holding said carriage in toasting position, first means actuated by movement of said carriage to toasting position for energizing said heating means to cause said thermally responsive element to move from its first to its second position, second means actuated by movement of said carriage to toasting position for first sliding said latch so that said pin moves from one end of said slot to the other and then pivoting said latch about said pin into latching position, means actuated by movement of said thermally responsive element from its first position to its second position for deenergizing said heating means to permit said thermally responsive element to cool and move from its second position back to its first position, second means actuated by movement of said thermally responsive element from its first position to its second position for sliding said latch so that said pin returns to the first end of said slot and means actuated by movement of said thermally responsive element from its second position back to its first position for pivoting said latch about said pin into releasing position.

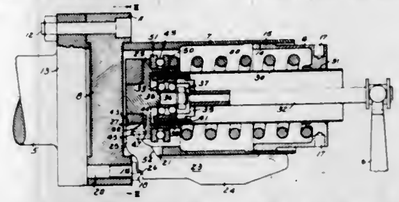
2,580,555
COVER ARRANGEMENT FOR SWIMMING POOLS AND THE LIKE
Blanche Lois Kroeger, Danville, Calif.
Application August 12, 1950, Serial No. 179,013
3 Claims. (Cl. 160—241)



2. A removable cover for a swimming pool having an open top chamber for holding a quantity of water and horizontally disposed marginal portions adjacent the top of said chamber and encircling the latter comprising, a sheet of pliant material to completely overlie said chamber and said marginal portions, a pair of rod-like members having a length greater than the width of said chamber whereby the ends of the members may be supported on opposite marginal portions of the pool and medial portions of the member may traverse the width of and overlie the chamber, said members being rollable along said marginal portions between the past the ends of said chamber, means securing the ends of said sheet to the respective members, said sheet being selectively wound around and unwound from said members as the latter are rolled along said marginal portions, and means for releasably securing said members to said marginal portions.

2,580,556
CENTRIFUGAL GOVERNOR
Edward M. Kuemmerlein, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 7, 1945, Serial No. 614,984
9 Claims. (Cl. 264—15)

1. A centrifugal governor, comprising: a base formed for rotation with a rotatable shaft; axially movable means; means including a plurality of centrifugally movable weights, rotatable in unison with said base, for causing axial movement of said axially movable means; said base and said weights comprising means for mounting said weight for centrifugal movement including cooperating pairs of knife edge and knife edge seat elements, at least one of the elements of each pair being mounted for swivelling movement for self-alignment.



2,580,557
VEHICLE WITH INDEPENDENT WHEEL SUSPENSION
Joachim Kolbe, Milwaukee, Wis.
Application September 2, 1947, Serial No. 771,717
27 Claims. (Cl. 180—73)



10. A vehicle of the class described, comprising a superstructure, a plurality of pairs of wheels including a pair of drive wheels therefor, a corresponding number of pairs of cooperating banking arms effecting inward banking of the superstructure on curves in response to lateral movement of the superstructure caused by centrifugal forces, the banking arms for said drive wheels including the wheels and providing an independent suspension for each wheel from the superstructure, means to maintain the distance between the drive wheels substantially constant at all times, a differential disposed between said drive wheels, a drive shaft for each drive wheel extending from said differential to the wheel, a universal joint at each end of each drive shaft to provide for vertical oscillation of each drive wheel relative to said differential, and means suspending said differential from said superstructure to provide floating of the differential relative to the superstructure.

2,580,558
CASTER AND CAMBER COMPENSATION FOR BANKING VEHICLES
Joachim Kolbe, Milwaukee, Wis.
Application November 22, 1947, Serial No. 787,499
In Great Britain December 10, 1946
30 Claims. (Cl. 280—124)

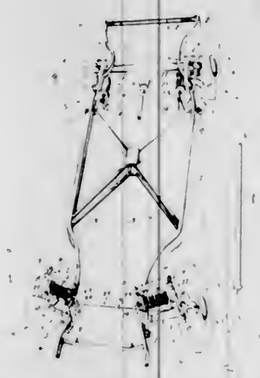
1. In a vehicle in which the superstructure is supported for inward banking on turns by a plu-

rality of pairs of correlated banking arms having corresponding banking axes inclined from the horizontal, at least one pair of banking arms constituting independent wheel mountings and including therein the wheels for supporting the same on the road with wheel support members disposed to carry the corresponding wheels upon substantially vertically disposed pivotal axes and adapted to oscillate vertically relative to the superstructure substantially independently of the



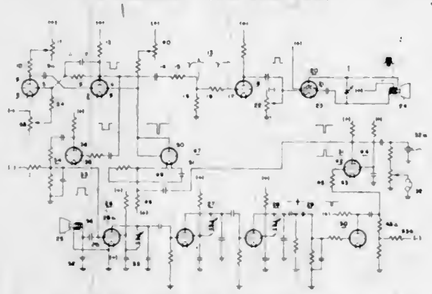
corresponding banking axis, a control arm constituting a part of each said latter specified banking arm connected between the wheel support member and the superstructure with the latter connection offset from the inclined banking axis to provide a control of the change in either caster or camber or both during inward banking of the superstructure and provide a parallelogram wheel mounting to maintain the caster and camber within acceptable limits during vertical oscillation of the wheel.

2,580,559
INWARDLY BANKING VEHICLE EMPLOYING FORKED BANKING ARMS
Joachim Kolbe, Sussex, Wis.
Application March 12, 1948, Serial No. 14,480
13 Claims. (Cl. 280—124)



1. A vehicle of the class described comprising a superstructure supported upon banking arms for inward banking on turns, and in which the banking arms are connected in pairs transversely of the superstructure to operate in unison during banking and each banking arm of at least one pair of interconnected correlated banking arms is forked at its end adjacent the superstructure to provide upper and lower substantially horizontal suspension arms pivotally hinged on spaced substantially horizontal axes at their outer ends to a wheel support member, and separate spaced universally movable connections between the inner ends of said suspension arms and the superstructure, said separate connections being disposed along a banking axis for the banking arm inclined from the horizontal and providing for turn of the suspension arms in unison about the banking axis during banking and for vertical oscillation of the wheel support member relative to the superstructure.

2,580,560
ECHO PULSE SYSTEM UTILIZING THE FIRST RECEIVED ECHO FOR CONTROL PURPOSES
Merwin J. Larsen, Villa Park, Ill., assignor to Stromberg-Carlson Company, a corporation of New York
Application May 17, 1947, Serial No. 748,814
4 Claims. (Cl. 343—13)

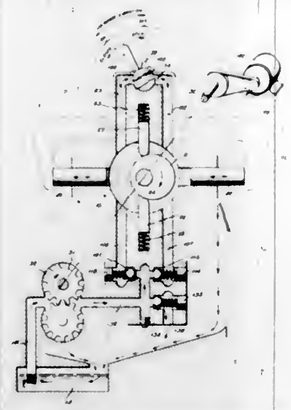


1. In a pulse ranging sysetem, a source of pulses, means utilizing said pulses for effecting the transmission of pulses of high-frequency energy, normally inoperative means for receiving echoes of each said transmitted pulse, means responsive to the transmission of pulses for rendering operative said receiving means, means utilizing the first of said received echoes for again rendering inoperative said receiving means, and means for causing the transmission of the next transmitted pulse a predetermined time after the receipt of said first echo.

2,580,561
HYDRAULIC PULSATOR TRANSMISSION SYSTEM FOR CONVERTING ROTARY MOTION INTO RECIPROCATORY MOTION
Charles Irwin Lattig, deceased, late of Columbus, Ohio, by Byron E. Ford, administrator, Columbus, Ohio, assignor to Link-Belt Company, a corporation of Illinois
Application September 10, 1945, Serial No. 615,350
6 Claims. (Cl. 60—54.5)

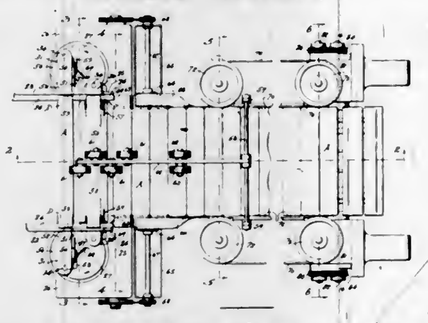
1. A device for converting rotary motion into reciprocatory motion comprising means mounted for reciprocatory motion and presenting oppositely facing surfaces to be exposed to fluid pressure, means forming a pressure compartment enclosing each of said surfaces, a displacement cam mounted for rotary movement, a shaft carrying said displacement cam, a pair of followers on opposite sides of the displacement cam, means urging the followers into sealing contact

with the periphery of the cam, a body in which said shaft is mounted, means including said body for confining the displacement cam and followers to form a chamber around the periphery of the cam, said followers separating said chamber into two sections, said chamber sec-



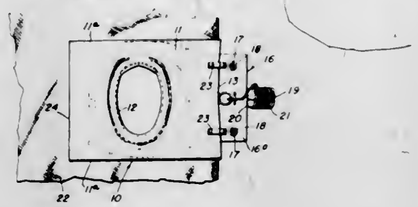
tions being each in communication with one of said compartments, and a liquid pump carried by said shaft and having communications with the chamber sections to maintain them and the compartments supplied with liquid under pressure.

2,580,562
BOXMAKING MACHINE
William B. Leavens, Jr., West Orange, N. J.
Application October 22, 1949, Serial No. 123,049
18 Claims. (Cl. 93—44)



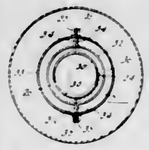
1. In a machine of the character described, a multiplicity of form blocks, means to pivotally interconnect said form blocks one with another whereby to form an endless chain assembly thereof, means to support and drive said endless chain assembly of form blocks for continuous movement through a circulatory path defined by a straight outgoing course and a return course, said courses being connected at their ends by semi-circular courses leading from one to the other thereof, the pivotal connections between said form blocks being such that adjacent form blocks close together in box blank material gripping relation as they enter and move through said straight outgoing course but separate one from another when they move through a semi-circular course leading to said outgoing course, means to position box blanks for engagement by thus separated form blocks for deposit thereupon and over the sides thereof prior to movement of the latter into the outgoing straight course thereof, means contiguous to the ends of the form blocks, as they move in the straight outgoing course thereof, operative to infold and secure projecting end portions of the box blanks about the form block ends, means carried by the form blocks operative to discharge formed boxes from the form blocks when the latter are disposed in separated relation, and means located in the path of movement of said form blocks for actuating said discharge means.

2,580,563
DISPOSABLE TOILET SEAT COVER
Isadore Levin, Washington, D. C.
Application October 10, 1947, Serial No. 779,199
4 Claims. (Cl. 4—243)



1. A disposable cover for the seat portion of a rollable flush-pan having a discharge conduit comprising a rectangular sheet of disposable material embodying a seat covering flap and imperforate extended end and median portions defining a mattress protecting flap, said median portion being adapted to be drawn down over one transverse end of the flush-pan and said mattress protecting flap being adapted to be applied lengthwise along the elongated bottom of said flush-pan and an underlying mattress, the free end of said mattress protecting flap providing an apron which is adapted to hang down loosely over the edge portion of the mattress to minimize the likelihood of the latter becoming soiled by said discharge conduit.

2,580,564
MUFFLER WITH TUNED SIDE BRANCH SILENCING CHAMBERS
Edmund Ludlow, Columbus, Ind., assignor to Arvin Industries, Inc., a corporation of Indiana
Application June 28, 1948, Serial No. 35,551
3 Claims. (Cl. 181—48)
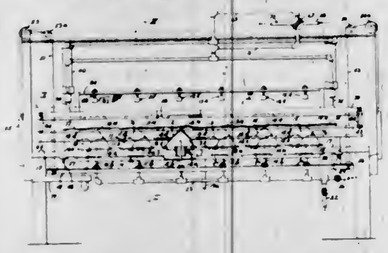


1. In a silencer for attenuating sound waves in a stream of moving gases, a casing having end walls provided with aligned openings, nipples extending through said openings and secured to the respective end walls, conduit means within said casing providing a passage between said nipples and including a section of smaller diameter than said casing and having a multiplicity of longitudinally distributed openings affording communication betweeen the interior of the conduit-section and the space surrounding it, one of said nipples being an integral length of tubing having portions of different diameters separated by an annular shoulder located inwardly of the adjacent end wall, the smaller diameter nipple-portion being located outwardly of the larger diam-

eter portion and closely embracing said conduit-section, and the larger diameter nipple-portion extending axially along said conduit-section and in radially spaced relation thereto to form an annular passage, at least some of said openings in the conduit section lying within the axial extent of the larger diameter nipple-portion, said annular passage being closed at its outer end by said shoulder and being open at in its inner end to provide communication between said last mentioned openings and the interior of the casing.

2,580,565
RETARDED CEMENT
Norman C. Ludwig, Chicago, Ill., assignor to Universal Atlas Cement Company, a corporation of Indiana
No Drawing. Application April 25, 1946, Serial No. 664,984
2 Claims. (Cl. 106—93)

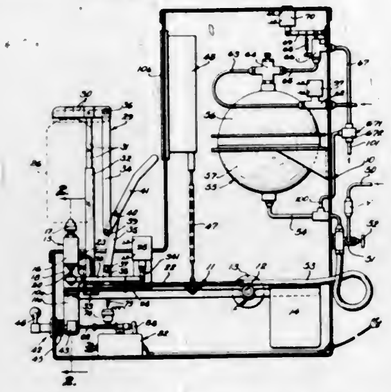
1. A cement capable of forming a fluid slurry when mixed with water, said cement having a retarded set at temperatures above atmospheric, said cement consisting of a hydraulic cement mixed with from .05 to .60% water soluble hydroxyethylcellulose by weight of the dry cement.

2,580,566
BRA FORMING DEVICE
Richard MacHenry, Prospect Park, and Charles A. Martin, Boothwyn Heights, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application September 4, 1948, Serial No. 47,928
17 Claims. (Cl. 18—19)



2. Apparatus for molding articles from a continuous sheeted thermoplastic material comprising a plurality of molds, means for clamping the sheet comprising two holding members movable in a direction normal to their gripping surfaces toward the molds and separatable to permit transferal of the sheet through the means, apertures of sufficient size in the holding members to provide clearance with the molds when the means is moved to any position wherein a plane passing between the gripping surfaces intersects any portion of the molding surfaces of the molds, a yieldable member for engaging and moving one member toward the other to grip the sheet at an intermediate point along the ambit, means attached to the yieldable member resisting the movement of the holding means while carrying the yieldable member before it, stopping means engageable with the yieldable member, and limiting the movement of the member and the holding means toward the supported ends of the molds, sheet holding resilient means for engaging the ends of the molds first contacted by the sheet, heating and cooling means for the molds, heating means secured along the surfaces of the molds for separating the molded portions from the unmolded portions of the sheet.

2,580,567
CONTAINER FILLING SYSTEM
Earnest E. Martin, Pasadena, Calif., assignor to Universal Properties Inc., Los Angeles, Calif.
Application March 2, 1946, Serial No. 651,441
9 Claims. (Cl. 249—63)



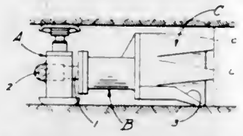
1. Container filling equipment of the character described, comprising a movable weight-responsive container support, a filling nozzle carried by said movable support, an accumulator connected to said nozzle, means for supplying fluid to said accumulator for delivery to a container through said nozzle, means for displacing said fluid from the accumulator to the nozzle, and means responsive to predetermined increase of fluid weight in the container for discontinuing the supply of fluid to the container.

2,580,568
CIGARETTE PAPER
Robinson E. Matthews, Brevard, N. C., and Ward D. Harrison, Milford, N. J., assignors to Ecusta Paper Corporation, a corporation of Delaware
No Drawing. Application May 16, 1950, Serial No. 162,402
6 Claims. (Cl. 131—15)

1. A combustible, cellulose, cigarette paper having improved ashing properties when burned as the wrapper on a cigarette and containing throughout, a carbonate filler and ammonium phosphate in an amount of approximately 0.2% to 0.4% phosphate (expressed as PO_4) which does not adversely affect the combustibility of said cigarette paper wrapper on a cigarette, but upon burning of the cigarette causes the paper to produce a completely burned, uniform, flaky, gray-white, non-falling ash that merges with the tobacco ash and adheres thereto uniformly and continuously throughout the length of the burned cigarette.

2,580,569
MINING MACHINE
John Bridie Mavor, Glasgow, Scotland, assignor, by mesne assignments, to Mavor and Coulson, Limited, Glasgow, Scotland, a British corporation
Application May 8, 1945, Serial No. 592,557
In Great Britain November 20, 1943
1 Claim. (Cl. 262—8)

In a mining machine movable over the floor of a mine in a direction substantially parallel to the face of a coal seam, a first member, a wedge-like member pivotally mounted on said first member or. a substantially vertical axis and having a forward wedge portion adapted to engage and bear against the coal face and having its penetrating edge substantially vertical and located at the face side of the machine and engaging the solid coal in advance of the face for splitting the solid coal along substantially vertical lines of substantial vertical extent and in the direction of machine-movement, means for feeding said first member forward to force said penetrating edge into the coal, and adjusting means co-

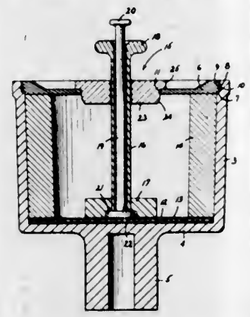


acting with said second member at a point on the latter at the opposite side, with respect to said pivot, from said edge, for swinging said second member in a substantially horizontal direction on its pivot to adjust said face-engaging wedge portion and said penetrating edge laterally while said penetrating edge remains substantially vertical to vary the lateral splitting action with respect to the coal.

2,580,570
SMOOTH-TEXTURED LITHIUM-BASE GREASES
Paul R. McCarthy, Allison Park, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application April 24, 1950, Serial No. 157,845
10 Claims. (Cl. 252—42)

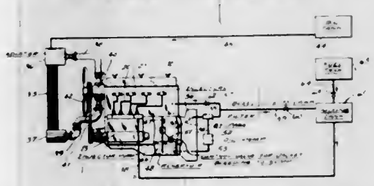
1. A smooth-textured lithium-base grease composition comprising essentially a homogeneous mixture of a mineral oil having a viscosity within the range of about 750 to about 4000 SUS at 100° F., a lithium soap in an amount sufficient to thicken the oil to the consistency of a grease and a hydrogenated rosin of at least about 40 per cent saturation, the weight ratio of said hydrogenated rosin to said lithium soap being between about 1:4 and about 1:30.

2,580,571
DOFFING ARRANGEMENT FOR SPINNING BUCKETS
Henry J. McDermott, Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 7, 1949, Serial No. 97,643
10 Claims. (Cl. 57—76)



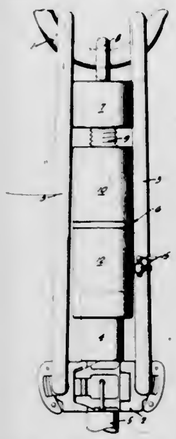
1. In combination, a spinning bucket, a removable bottom plate of magnetic material in the spinning bucket and having a diameter approximately the inside diameter of the bucket so that it is adapted to support filamentary windings collected therein, and a tool for removing the plate insertable into the bucket and comprising a magnet adjacent one end thereof.

2,580,572
INTERNAL-COMBUSTION ENGINE
Wallace A. McMillan, Glenham, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 25, 1948, Serial No. 46,020
3 Claims. (Cl. 123—32)



1. The method in the operation of an internal combustion engine of the reciprocating piston type which comprises supplying a hydrocarbon oil having lubricating properties to the cooling system of the engine and circulating the same therein, bleeding off a portion of the circulating hydrocarbon oil in liquid state from the cooling system and supplying it to the lubrication system of the engine and circulating the same in the latter, bleeding off a portion of the circulating hydrocarbon oil in liquid state from the said lubrication system and then injecting the bled off hydrocarbon oil into compressed air within the combustion space of a cylinder of said engine to provide for combustion therein to develop the power required, whereby the said hydrocarbon oil provides in order the cooling, lubricating and fuel requirements of the engine, and introducing fresh hydrocarbon oil into said cooling system to make up for that bled off.

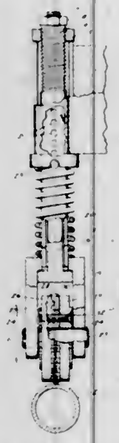
2,580,573
PORTABLE PACKOFF TOOL FOR TUBING
Herman Meyer, Long Beach, Calif.
Application July 6, 1948, Serial No. 37,248
4 Claims. (Cl. 166—1)



1. In combination with a hook and an elevator, a portable packoff tool for tubing and the like, comprising a block, means supporting said block on the hook, a cylinder, a threaded pin depending

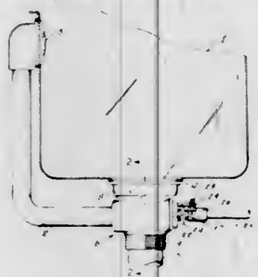
from said block and threaded into said cylinder, a sleeve engageable with the tubing and mounted on said cylinder said cylinder being movable vertically on said pin.

2,580,574
APPARATUS FOR CONTINUOUSLY MARKING METAL OBJECTS
William S. Miller, Youngstown, Ohio, assignor of fifty per cent to George Lubic, Youngstown, Ohio
Application March 28, 1949, Serial No. 83,864
2 Claims. (Cl. 101—5)



1. Apparatus for continuously marking metal objects comprising a tubular support member, a tubular guide member movably positioned in said tubular support member, a T headed bolt movably positioned in said tubular guide member and means adjustably securing said tubular guide member to said tubular support member, a clevis positioned on the said T headed bolt, and tensioning means disposed between the said tubular support member and the said clevis, a marking wheel carried by said clevis for rotatable engagement with an article to be marked.

2,580,575
DRAIN VALVE FOR SINKS AND THE LIKE
Frank Muckler, Sappington, Mo., assignor to Southern Equipment Company, St. Louis, Mo., a corporation of Missouri
Application May 26, 1949, Serial No. 95,502
4 Claims. (Cl. 4—198)



1. In a sink having an overflow pipe, a drain opening, and a drain pipe communicating with said drain opening, the improvement which consists in providing said drain pipe with a valve clamped to the bottom of said sink around the drain opening therein by means of a ring that extends through said drain opening and has a circumferential flange supported by the bottom of said sink around the drain opening therein, said valve secured to said ring, said valve having a rotary cylindrical valve member for establishing and cutting off drainage from said sink through said drain pipe and for maintaining communication between said overflow and drain pipes through said valve in all positions of said rotary valve member.

2,580,576
METHOD OF REGISTERING MULTICOLOR PRINTING PLATES
Robert R. Myers, Jr., Des Moines, Iowa
Application November 15, 1948, Serial No. 60,072
6 Claims. (Cl. 101—211)



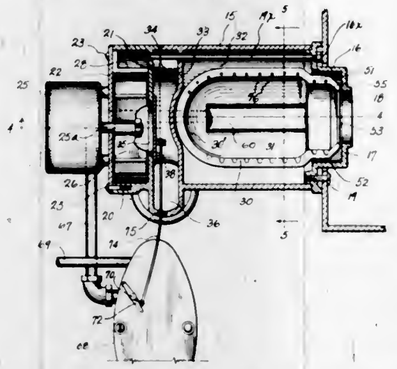
1. The method of registering attachable and adjustable multi-color printing plates on rotary presses having a plurality of color cylinders and an impression cylinder common with said plurality of color cylinders, comprising; the placement of transparent sheet members onto some of the color cylinders of a rotary press prior to the placement of the color printing plates thereon, the placement of one color printing plate on at least one of the color cylinders not having a transparent sheet member, the running of the rotary press to impress the color indicia onto its impression cylinder and thence onto the transparent sheet members, the stopping of the press, the lifting of a portion of each of the transparent sheet members from their color cylinders and the placement of color printing plates on the color cylinders respectively, in such manner that they will properly register with the indicia on the transparent sheet member above them, the rigid fastening of said last mentioned plates to their respective cylinders, and lastly the removal of the transparent sheet members above said plates.

2,580,577
WINDSHIELD WIPER BALANCER
David A. Nally, Downey, Calif.
Application November 15, 1946, Serial No. 709,977
3 Claims. (Cl. 15—255)



1. A windshield wiper including means for offsetting wind pressure against the wiper blade, which comprises a wiper arm which is adapted to oscillate about a fixed axis and to extend away from the axis in one direction, a windshield wiper blade secured to said oscillating wiper arm and caused to oscillate on said windshield thereby, a motor for oscillating said wiper arm, a second arm secured to said wiper arm and extending away from the axis in the opposite direction, and a plate adapted to respond to wind pressure supported by said second arm, said plate having an area exposed to wind pressure sufficiently great so that wind pressure against said wiper blade is offset, thereby permitting said wiper blade to oscillate regardless of the wind pressure thereagainst.

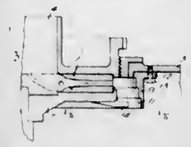
2,580,578
OIL BURNER
Henry E. Nelson, Everett, Wash.
Application January 17, 1949, Serial No. 71,365
2 Claims. (Cl. 158—92)



1. An oil burner comprising a cylindrical outer housing having two transverse partition walls within one end portion thereof, defining a fresh air chamber between them, a fan chamber at one end of the housing and an air pressure chamber in the other end, an inner cylindrical housing enclosed within the air pressure chamber with space between them and defining an ignition and mixing chamber, and formed with a discharge nozzle extended from the end of the first mentioned housing, one of the partition walls having an opening therein providing for admission of air from the fresh air chamber to the fan chamber, and there being a discharge duct from the fan chamber into the air pressure chamber, a fan operable in the fan chamber to draw air from the fresh air chamber and deliver it into the pressure chamber, means for a controlled admittance of fuel oil into the mixing chamber, means for conducting fresh air to the fresh air chamber, and said inner cylindrical housing having air ports in its walls for admission of air from the air pressure chamber into the mixing chamber.

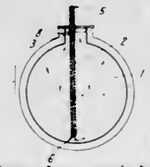
2,580,579
COMBINATION DISK AND IMPACT GRINDING MILL
John L. Neenan, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 5, 1946, Serial No. 694,865
1 Claim. (Cl. 241—152)

In a grinder of the type having opposed upper and lower relatively rotating annular disks defining an annular grinding space having an annular central feed opening and a peripheral discharge opening between peripheral edges of said disks, said lower disk being rotatable at a higher speed than said upper disk, said lower disk being provided with beater arms extending radially beyond and in axially spaced relation to said peripheral discharge opening, an inwardly corrugated annular anvil skirt entirely surrounding said disks and said beater arms, the portion of said skirt radially adjacent said peripheral discharge opening serving to provide a plurality of anvil surfaces



against which material discharged at high velocity through said discharge opening will be further ground by impact, and the portion of said skirt radially adjacent said beater arms serving to provide a plurality of anvil surfaces against which material thrown by said beater arms is still further reduced by impact.

2,580,580
POWDER-SPRINKLING APPARATUS
Charles Nicolle, Gentilly, France
Application May 9, 1946, Serial No. 668,559
In France May 24, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 24, 1963
12 Claims. (Cl. 222—193)

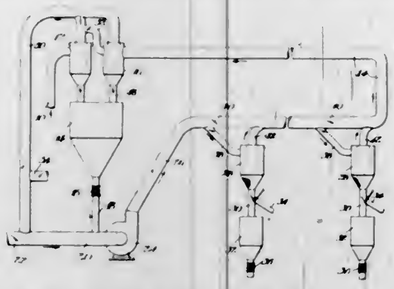


1. An apparatus for sprinkling powder upwardly or downwardly at the option of the user which comprises a hollow container having flexible walls, and an outlet tube having a substantially constant internal cross-sectional area and extending from an inner end within said container adjacent one wall thereof substantially diametrically across the interior of the container and through the opposite wall to an outer end open to the atmosphere so that most of the tube is spaced from the compressible walls, said tube having a lateral passagway through its wall at a point adjacent said opposite container wall, said inner end serving as a powder outlet for said container when said container is compressed while said outer end extends upwardly, and said lateral passageway serving as a powder outlet for said container when said container is compressed while said outer end extends downwardly.

2,580,581
METHOD AND APPARATUS FOR HANDLING FINELY DIVIDED MATERIALS
Gerhard Niemitz, New York, N. Y., assignor to Kennedy-Van Saun Manufacturing & Engineering Corporation, New York, N. Y., a corporation of Delaware
Application April 1, 1946, Serial No. 658,849
3 Claims. (Cl. 302—28)

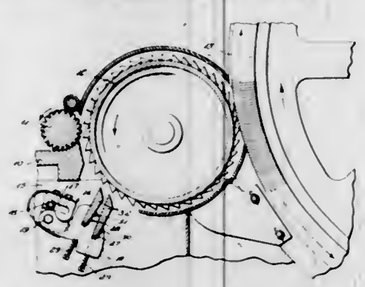
1. An apparatus for handling finely-divided materials comprising a main duct, means for creating a gas stream in the duct, a main supply bin, means for supplying finely-divided material from the main supply bin to the gas stream in the main duct, a series of material redistribu-

tion units established along said main duct, each unit of which includes a separator for separating finely-divided material from gas, each of said units being connected into said main duct by a branch duct for withdrawing a portion of the stream from the main duct, means for passing gas after separation of material therefrom and containing suspended dust from the separator of



each of said units back into said main duct, a cyclone separator above the main supply bin and arranged to discharge material thereinto, and means including a return duct for recycling the stream of gas passing through the main duct down-stream of said units into the cyclone separator and then back to the main duct up-stream of the point of introduction of finely-divided material thereinto.

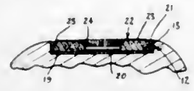
2,580,582
MOTE KNIFE BRACKET
Grover C. Nix, Thomaston, Ga., assignor to J. L. Sinback, McDonough, Ga.
Application March 16, 1950, Serial No. 150,001
1 Claim. (Cl. 19—105)



A mote knife bracket comprising in combination: a bracket member for rigid attachment to the frame of a carding machine, formed with a recess providing a stop shoulder; a second bracket member pivotally mounted in said recess for an edge thereof to contact said shoulder, and formed with mote knife receiving means; spring means secured to said first named member and engaging said second member to urge said edge of the latter into contact with said shoulder.

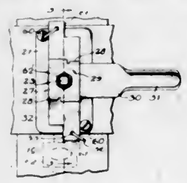
2,580,583
ARTIFICIAL EYE
Conrad J. Noelle, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application July 24, 1947, Serial No. 763,329
10 Claims. (Cl. 3—13)

6. In an artificial eye, an iris portion comprising a disc having a central aperture therein, a layer of pigment extending over the anterior surface of said disc and onto the sidewalls of said



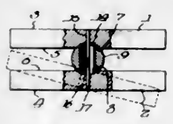
aperture, and pupillary means disposed to be visible through said aperture.

2,580,584
GARAGE DOOR LOCKING MECHANISM
Ralph E. Nowak, Glendale, Calif., assignor to R & E Engineering Company, Los Angeles, Calif., a partnership composed of Ralph E. Nowak and E. B. Nowak
Application January 6, 1948, Serial No. 777
7 Claims. (Cl. 292—36)



1. An operating unit for an inside latch on an overhead door comprising a shaft adapted to extend through the door and to be rotatably mounted therein and to be actuated from outside the door by a handle attached to its outer end, a one-way clutch secured to the inner end of said shaft, a crank lever rotatably mounted on said shaft adjacent said clutch, an inside handle rotatably mounted on said shaft adjacent said crank lever and adapted to transmit movement to said lever, said handle and lever being separable and said lever having at one end a flange engaging a side edge of said lever to form a clutching connection therewith, and means securing said handle, lever and clutch in assembled relationship on said shaft.

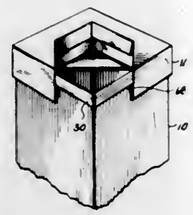
2,580,585
ADJUSTABLE BLOCK
Eugene A. Odin, Chicago, Ill.
Application September 9, 1948, Serial No. 48,342
4 Claims. (Cl. 81—40)



1. In a device of the kind described, the combination of a pair of opposed spaced-apart members, one of said members having an arcuate concave longitudinally extending groove formed in one of the faces thereof, and the remaining one of said members having an arcuate convex longitudinally extending ridge formed in the opposing face thereof, said concave groove and said convex ridge being complementally formed and providing bearing surfaces for transmitting compression stresses from one member to the other as well as serving to space the said members apart, the convex arcuate ridge portion having at least one transverse hole therein, and a resilient spring element extending through said hole with each of the ends thereof secured to a

respective one of said members, said element serving to maintain said members in assembled relation but having sufficient transverse flexibility to permit relative movement of said members about the axis of said convex ridge portion.

2,580,586
PAPER BOX
Joseph A. O'Reilly, Bellingham, Wash.
Application June 13, 1949, Serial No. 98,744
4 Claims. (Cl. 229—7)

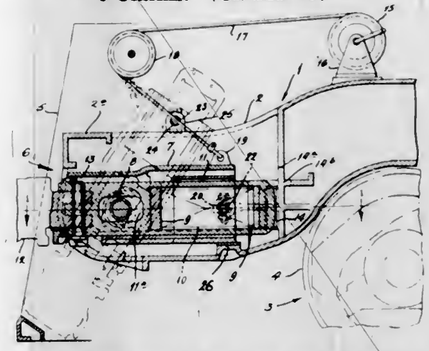


1. A container of the character described comprising a body portion made from resilient sheet material and open at its upper end, and provided about said open upper end with an external upwardly and inwardly tapered collar which is formed by a sharp outward and downward bending of the body material along the top edge of the container and a rounded upward and inward turning of the lower edge of this downwardly bent material, and a cover for the container of external slip fit type and provided about its side walls with an internal collar that is formed by a sharp inward and upward bending of material along the lower edges of the side walls of the cover, and then an outward and downward turning of the material; said collar equipped portion of the cover being of slightly lesser internal dimensions than the corresponding external dimensions of the collar equipped portion of the body and said collar portions of body and cover being sufficiently resilient to permit the cover collar to be pressed into place over the body collar and then to cause them to automatically assume their cover holding relationship.

2,580,587
MINERAL OIL COMPOSITION CONTAINING A POLYMERICALKYL METAPHOSPHIMATE
Ferdinand P. Otto, Woodbury, and Robert W. Barrett, Sewell, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application November 14, 1949, Serial No. 127,268
4 Claims. (Cl. 252—49.9)

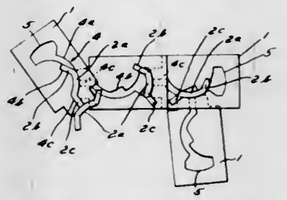
1. A mineral lubricating oil containing a minor proportion, sufficient to depress the pour point thereof, of a polymeric n-tetradecyl metaphosphimate product obtained by (1) reacting a phosphonitrillic halide with n-tetradecanol at a temperature not in excess of about 150° C. to form n-tetradecyl metaphosphimate and (2) subjecting the metaphosphimate to polymerization by the method selected from (*a*) further heating the metaphosphimate product at a temperature not in excess of 150° C. in the presence of a polymerization catalyst, and (*b*) heating the metaphosphimate product at a temperature ranging from about 200° C. to about 400° C.

2,580,588
RAILWAY DROP COUPLER AND DRAFT GEAR
Arthur H. Pagenkemper, Glenolden, and Basil S. Cain, Erie, Pa., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware, and General Electric Company, Schenectady, N. Y., a corporation of New York
Application October 14, 1948, Serial No. 54,526
9 Claims. (Cl. 213—5)



1. In a railway vehicle front end structure including a frame provided with a draft gear stop, a member swingable on said frame about a horizontal pivot, coupling structure supported by said member and including a draft gear, a draft gear follower, a draft gear yoke movable longitudinally of the member, and a coupler, said coupling structure being movable, with the swinging of said member, between functioning and non-functioning positions, and said draft gear follower, when in functioning position, opposing said stop to transmit buffing forces from the coupler to the frame without subjecting the pivot to said forces.

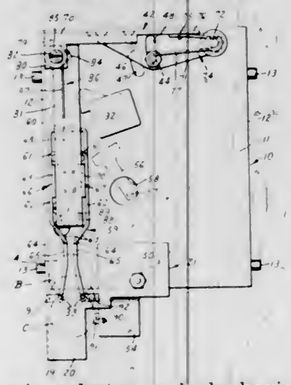
2,580,589
CHAIN ASSEMBLY
Fred W. Pfleger and George E. Canham, West Orange, N. J.
Application February 7, 1949, Serial No. 74,985
2 Claims. (Cl. 59—85)



1. A chain assembly comprising a plurality of substantially identical preformed links adapted for assembly without deformation, each of said links comprising a substantially flat rectangular portion having an aperture therein and a blocking end; said aperture including a substantially transversely disposed retaining portion located inwardly of the blocking end of said rectangular portion and a substantially longitudinally disposed receiving portion extending from said retaining portion toward the opposite end of said rectangular portion, an entrant portion having dimensions less than those of the receiving portion and greater than those of the retaining portion of said aperture, and a reduced portion having dimensions less than either portion of said aperture and connecting said rectangular por-

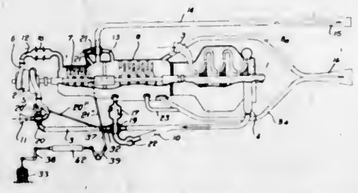
tion, at its end adjacent the receiving portion of said aperture, with said entrant portion; the entrant portion of a first one of said links being adapted by its aforesaid dimensions for passage through the receiving portion and prevented from retraction through the retaining portion of the aperture of a second one of said links, the reduced portion of said first link being adapted by its aforesaid dimensions for reception by the receiving portion of the aperture of said second link subsequent to the passage of said entrant portion therethrough and thereupon for movement from the receiving portion into the retaining portion of the aperture of said second link thereby chaining the two said links, and the blocking end of a third one of said links being adapted for location in position to block the receiving portion of the aperture of said second link to prevent retraction therethrough of the entrant portion of said first link upon chaining of said third link with said second link in accordance with the aforesaid chaining of said second link with said first link.

2,580,590
COIN SELECTOR
Samuel D. Polsen and Sven H. Nelson, Fairfield, Conn., assignors of one-half to Vivian Marie Nelson, Bridgeport, Conn., and one-fourth to Blanche H. Polsen and one-fourth to Mildred P. Nelson, both of Fairfield, Conn.
Application September 29, 1948, Serial No. 51,745
4 Claims. (Cl. 194—97)



1. In a coin selector, a body having a coin receiving slot toward its upper end, a controlling part movably mounted on the lower end portion of said body and movable relative thereto, means defining a path from said slot to said part and along which a coin may move by gravity from said slot to a position adjacent said part, a normally closed stop in said path between said slot and said part and adjacent to the latter and adapted to receive and support a coin moving in said path at a point between said slot and said part, said stop including a pair of substantially parallel arms extending transversely of the mentioned path of movement of the coin and normally so positioned relatively laterally as to be engaged by the leading edge of a coin moving along said path from said slot toward said part, said arms from their normal positions movable laterally away from one another to open relation to permit of a coin passing edgewise between them, spring means yieldingly maintaining said arms in their normal relation and adapted to snap them back to such relation when moved laterally outwardly therefrom and released, a manual including means adapted on movement in one direction to move said arms laterally outwardly from their normal positions to fully open positions and then suddenly release them for rapid movement back to their normal positions under the influence of said spring means, and said arms when at their fully open positions adapted to permit of edgewise movement of the previously stopped coin between them and as the arms return to normal positions under the influence of said spring means to engage the opposite portions of the trailing edge of the coin and cam said coin against and past said part to move the latter relative to said body.

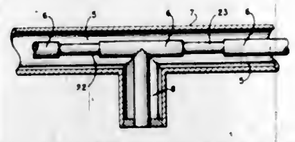
2,580,591
JET ENGINE HAVING A PLURALITY OF TURBOCOMPRESSORS OPERABLE IN PARALLEL OR IN SERIES
Robert Jean Pouit, Lyon, France, assignor to Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), Venisseux (Rhone), France, a society of France
Application October 26, 1945, Serial No. 624,736
In France December 30, 1944
16 Claims. (Cl. 60—35.6)



16. A jet propulsion plant which comprises, in combination, at least two distinct compressor means, at least two distinct gas operated motor means, means for coupling at least one of said motor means with one of said compressor means for drive transmission from one to the other, gas communication means between said motor and compressor means, means forming at least one combustion chamber connected with said communication means, jet propulsion means connected to the exhausts of each of said motor means, valve means for controlling said communication means adapted to form either a single gas circuit, including at least said two motor means in series, or two gas circuits in parallel, including each at least one compressor means, one combustion chamber and one motor means, means for injecting fuel into said combustion chamber, means for limiting the amount of fuel fed by said injecting means, and means responsive to temperature variations in said combustion chamber for adjusting said limiting means.

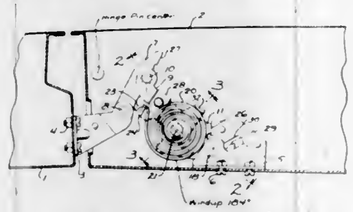
2,580,592
APPARATUS FOR BROAD-BAND RADIO TRANSMISSION
Robert V. Pound, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Original application February 8, 1943, Serial No. 475,149. Divided and this application August 10, 1948, Serial No. 43,525
11 Claims. (Cl. 178—44)

1. Apparatus including a resonant element associated with a linear electrical transmission means and having reduced frequency-sensitivity which apparatus includes, in association with said resonant element and said transmission means, a resonant transformer formed of a portion of said transmission means and of loading reactances at each end of said portion having finite non-zero values of reactance over the desired frequency range of transmission, said portion of transmission means extending on both sides of the location at which said resonant element is associated with said linear transmission



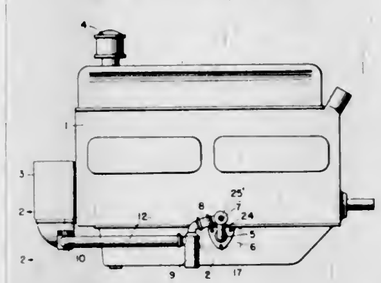
means, said transformer having a frequency-characteristic adapted to counteract the frequency-characteristic of said resonant element and to provide in cooperation therewith more than one resonant frequency within the desired range of transmission for the combined structure including said resonant element, said transformer and said transmission means.

2,580,593
DOOR CHECK AND HOLD OPEN
Nelson E. Putnam, Grosse Ile, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 17, 1949, Serial No. 99,704
5 Claims. (Cl. 16—85)



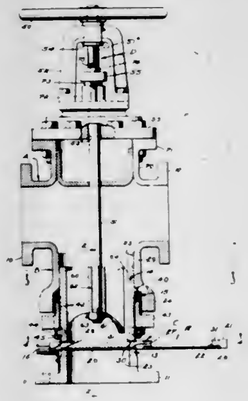
1. A door check and hold-open having in combination a bracket for securing to the body pillar, a bracket for fastening to the door, a pair of toggle arms pivoted to each other and one of them pivoted to one of said brackets, a lever pivoted to the other bracket and to the end of the other toggle arm, said arms being disposed at an acute angle to each other when the door is closed, a stop on one of the toggle arms for stopping the unfolding and straightening of the toggle arms during the opening of the door at a position just short of the straight line or longitudinally aligned position thereof corresponding to the fully open position of the door whereby said arms are locked together and thereby constitute one member of a second toggle, said lever constituting the other member of said second toggle, a pair of stops or shoulders, one on the lever, a clock spring having one end applied to the lever and the other end applied to one of said toggle arms and put under stress when the check is applied to the door and operating to hold the two said stops together and thereby tending to counterbalance the tendency of the door to swing closed, the said spring unwinding and diminishing in torque but acting through the primary toggle with a mechanical advantage upon the door as the door is thrown to the fully open position but still providing stress on the door to keep the same in the fully open position, and a second pair of stops, one on the lever, said second stops so spaced as to allow the lever a limited arc of movement with the two locked toggle arms to thereby provide a second toggle straightening action which can be resisted by one end of the clock spring tending to wind up said clock spring and thereby cushion the impact when the door is thrown beyond the fully open position.

2,580,594
CRANKCASE SCAVENGER
Clark C. Randall, Oak Park, Ill.
Application June 6, 1947, Serial No. 753,109
3 Claims. (Cl. 123—41.86)



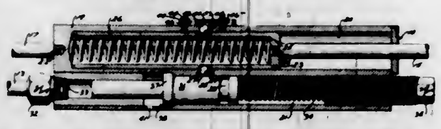
1. In a crankcase scavenger assembly for internal combustion engines wherein the teeth of the flywheel are utilized as the blower means, the improvement which comprises an airscoop having flanges at each side to provide a troughlike inlet wherein the teeth of the flywheel will be positioned to move air into the airscoop when in operation.

2,580,595
FLOW CONTROLLING DEVICE
George E. Renfro, El Segundo, Calif.
Application November 23, 1945, Serial No. 630,377
18 Claims. (Cl. 251—167)



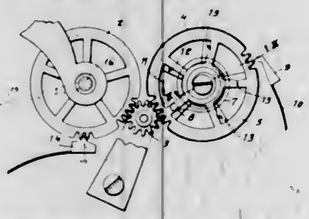
1. In a device of the character described, a body having a transverse tubular section and a longitudinal tubular section with a collar portion, spaced legs projecting from the collar portion, and a flange carried by the legs, a seat carried by the flange, a flow control plate arranged between the legs and engaging the seat, a clamp sleeve in and in sealing engagement with the collar portion and engaging the plate in sealing engagement on that side of the plate opposite said seat, and means for operating the sleeve including a manually operated element at the exterior of the transverse section.

2,580,596
PRESSURE SENSITIVE ENGINE SHUT-DOWN DEVICE
Dale L. Richardson, Peoria, Ill., assignor to Caterpillar Tractor Co., Peoria, Ill., a corporation of California
Application December 15, 1949, Serial No. 133,150
3 Claims. (Cl. 74—2)



1. A pressure sensitive engine shut-down device comprising a pair of adjacent cylinders, a spring pressed piston in one cylinder adapted to be associated with engine controls and normally urged to engine shut-down position, a reciprocable plunger in the other cylinder biased in one direction by a spring and in the opposite direction by the pressure to be controlled, said cylinders having an intercommunicating opening, said piston having a recess in its periphery adapted to register with said opening when the piston is held out of its engine shut-down position, a locking member in said opening to prevent movement of the piston, and means on said plunger to release said locking member from its locking position in response to predetermined pressure conditions in its cylinder.

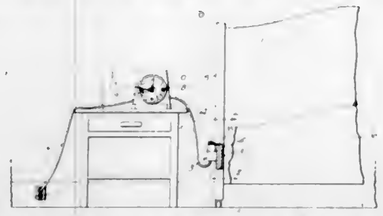
2,580,597
TIMEPIECE MOVEMENT WITH INTERMITTENT SECONDS INDICATOR
Fritz-André Robert-Charrue, Le Locle, Switzerland, assignor to Ebauches S. A., Neuchatel, Switzerland, a Swiss firm
Application June 2, 1949, Serial No. 96,637
In Switzerland June 9, 1948
7 Claims. (Cl. 58—59)



1. In a timepiece movement, a mechanism of idling seconds, comprising, as part of the gear train of the seconds hand, a first driving wheel; a second driven wheel coaxial with said first driving wheel, and having the same number of teeth as, and a slightly smaller diameter than, said first driving wheel, said driven wheel being mounted idle over the shaft of said driving wheel; a spring connecting said first driving and second driven wheels; a stopping and braking device cooperating with the teeth of said first driving and second driven wheels to allow by its displacement upon the passage of each tooth of the driving wheel a partial and intermittent rotation of said driven wheel as a result of the action of said spring on said driven wheel.

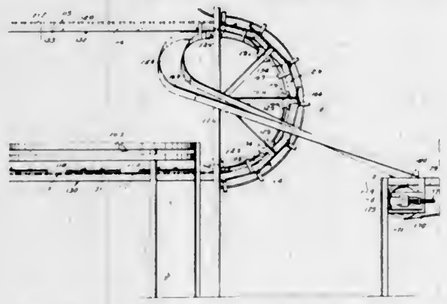
2,580,598
ALARM FOR DEAF PERSONS
Pasquale Rody, Phoenix, Ariz.
Application January 23, 1951, Serial No. 207,351
3 Claims. (Cl. 161—22)

1. An alarm device comprising a vertically disposed motor adapted to be positioned in side by side spaced relation with respect to the side rail of a bed and fixedly supported from said side rail, a vertically disposed rotatable shaft projecting from the upper end of said motor, a horizontally disposed bar connected intermediate its ends to said shaft for rotation therewith, a horizontally disposed resilient element arranged adjacent each end of said bar and having one end



fixedly secured to the adjacent end of said bar and having the other end provided with means forcibly and slidably engageable with the adjacent face portion of said side rail upon rotary movement of said bar, an alarm clock including a time switch, and circuit connecting means connected between said time switch and said motor for actuating said bar and resilient elements at a selected time determined by said time switch.

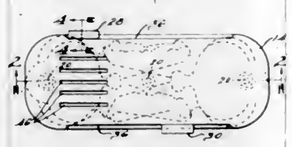
2,580,599
SWEET CORN ON THE COB SELECTING, TRIMMING, AND PACKAGING MACHINE
Grant H. Rogers, Fairmont, Minn., assignor to Fairmont Canning Company, Fairmont, Minn., a corporation of Minnesota
Application April 17, 1948, Serial No. 21,584
14 Claims. (Cl. 226—2)



1. In a machine of the class described, a horizontally disposed endless conveyor operating in a vertical plane, directional means for guiding the section of the conveyor between its lower run and its upper run, longitudinally spaced jigs on the inner side of the conveyor, each for holding an article capped by an inverted box, and a track close to and concentric with the directional means on which the boxes at their bottoms are held and moved by the jigs, said boxes, when moved by the jigs past the track, being removed in upright position from the jigs by the force of gravity with the articles therein.

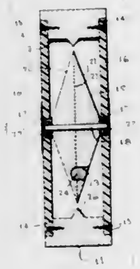
2,580,600
KEY CASE
Joseph E. Rom, Detroit, Mich.
Application December 29, 1949, Serial No. 135,761
2 Claims. (Cl. 70—456)

2. In a key holder, a laminated case comprising three plates adapted to contain a pair of keys between each adjacent pair of plates in swinging relation, a pair of pivot means spacing the plates at locations spaced longitudinally of the case and being adapted to pierce the handle elements of the keys to hold the same in said swinging relation for swinging the keys laterally from between the plates to operative positions, movement limiting means intermediate said pair of



pivot means to limit inward swinging of each key, and means detachably engaging the outer plates to prevent separation thereof, the last means including a pair of slide members slidable along laterally opposed edges of the case to and from positions blocking lateral swinging of the keys to said operative positions.

2,580,601
DEGREE LEVEL
Ardie A. Rouse, Orange, Tex.
Application August 18, 1950, Serial No. 180,249
1 Claim. (Cl. 33—215)

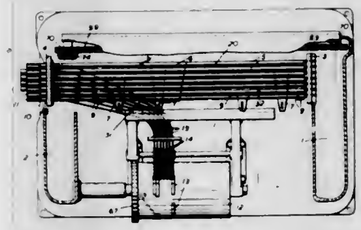


An artisan's level comprising an elongated bar having straight parallel opposite longitudinal edges, said bar being transversely formed with a circular opening, the opposite sides of the bar being formed with annular recesses concentric to said opening, respective transparent windows secured in said recesses on the opposite sides of said bar flush with the sides of and covering said opening, the centers of the windows being formed at their insides with recesses, respective ball bearings mounted in said last named recesses, a transverse shaft journaled in said ball bearings, a solid, double conical disc secured at its center on said shaft for rotative movement between said windows, said disc being closely adjacent to and substantially covering said ball bearings at the respective opposite apices of the disc, whereby said bearings are protected against the entry of dust, both sides of said disc being inscribed with degree markings at its periphery, a plurality of pointer elements carried by the inside wall of said opening extending adjacent said periphery, said elements being in 90° spaced relationship, and a biasing weight secured in said disc adjacent its periphery.

2,580,602
POLYBUTADIENE PADDING BATH FOR SHRINKPROOFING WOOL
John B. Rust, East Hanover, N. J., and Charles W. Pfeifer, Philadelphia, Pa., assignors, by direct and mesne assignments, of one-half to Montclair Research Corporation, Montclair, N. J., a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application July 28, 1948, Serial No. 41,175
8 Claims. (Cl. 260—29.7)

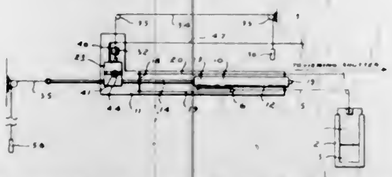
1. A padding bath for treating wool to give shrink-proofing while retaining substantially normal hand, said bath consisting of as the only essential components a substantially stable aqueous emulsion of a synthetic butadiene polymer in amount to give 1 to 25% by weight of polymer deposition on the wool, the polymer being in completely cross-linked condition, the treated polymer in coagulated condition being crumbly and not millable on a rubber milling machine, said bath containing an anionic wetting agent in an amount of from 0.35 to 5% on the total weight of the bath.

2,580,603
STRAIGHT BAR KNITTING MACHINE
Alfred Percy Saunders, Leicester, England, assignor to Wildt and Company Limited, Leicester, England, a British company
Application August 13, 1949, Serial No. 110,060
In Great Britain September 1, 1948
14 Claims. (Cl. 66—126)



1. In a straight bar knitting machine, yarn carrier driving mechanism comprising, in combination, reciprocatory yarn carriers, stops for determining the extents to which the said yarn carriers are traversible, reciprocable operating members, spring-controlled dogs fitted in the said operating members, bars in which the operating members reciprocate, means for transmitting motion between the operating members and the yarn carriers, continuously reciprocable driving means having a constant stroke, and including yieldable elements for co-operation with the aforesaid dogs, and means for selectively moving the operating members and their bars into and out of the range of the said driving means, the construction and arrangement being such that whenever an operating member and its bars are selected and brought into the range of the driving means the relevant yieldable driving element acts upon the dogs of the appropriate pair alternately and so effects traverses of the corresponding yarn carrier in opposite directions and the extents of which are determined by arrest of the yarn carrier by the appropriate stops at which times the said driving element yields and disengages the operating member from the driving means, thereby enabling the latter to reciprocate to the full extent of their constant stroke.

2,580,604
SHUTTER CONTROLLING DEVICE
Ewart Stanway Scanlon, Vancouver, British Columbia, Canada
Application November 29, 1950, Serial No. 198,057
In Canada August 22, 1949
2 Claims. (Cl. 268—58)



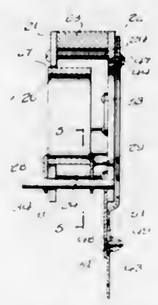
1. A device for controlling the opening and closing movement of a shutter, said device comprising a dash pot cylinder having a piston and piston rod, said dash pot serving to restrain the piston movement in one direction, a cord extending from an end of the piston rod connected to said shutter to hold it in open position, a spring pressed latch normally engaging the piston rod to hold it in extended position, a tripping lever pivotally mounted to engage a part of the spring pressed latch, said lever being weighted to lift the spring pressed latch, a second cord attached to the lever to support it, said cord having a fusible link attached thereto and anchored in a fire hazard zone whereby the disruption of the link frees said weight to swing the lever and to release the spring pressed latch from the piston rod.

2,580,605
EYE PROTECTIVE DEVICE
George H. Schauweker, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application November 14, 1949, Serial No. 127,086
3 Claims. (Cl. 2—14)



1. In a device of the character described, an eyecup having a longitudinal groove formed on the inner surface of its nasal side and further having an opening communicating with said groove, the depth of said groove becoming progressively shallower in a direction extending away from said opening, a bridge having an end portion formed of successive large and small cross sectional portions extending through said opening and a latch member seated in said groove, said latch member having a portion adjacent one end to straddle one of said small cross sectional portions of the bridge and having a longitudinally disposed slot intermediate its opposed end and said straddling portion, and a pin extending through said slot and connected to the sidewall of the eyecup at a point intermediate said opening and an end of the groove, said pin having an enlarged head disposed against the outer surface of the latch member whereby the inner surface of the latch member is caused to frictionally engage the base of the groove, and said latch member being slidable within the limits of the extent of the longitudinally disposed slot therein to permit the straddling portion thereof to be moved out of its straddling connection with the portion of small cross section of the bridge as when sufficient pressure is urged against the latch member to overcome the above mentioned frictional engagement of the inner surface of the latch member with the base of the groove.

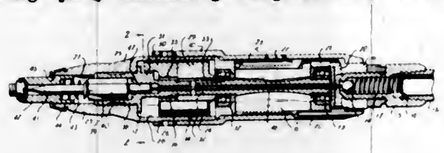
2,580,606
CATHODE-RAY TUBE FOCUSING DEVICE
Wilhelm Schiel, Irvington, and Norman E. Zacher, Livingston, N. J., assignors to Best Manufacturing Company, Inc., Irvington, N. J., a corporation of New Jersey
Application March 21, 1951, Serial No. 216,736
6 Claims. (Cl. 313—84)



1. A focusing device for cathode ray tubes or the like, comprising a pair of annular pole plates, a plurality of permanent magnets mounted between said pole plates symmetrically about and parallel to the axis of said pole plates, a hollow cylindrical pole piece mounted for adjustment axially of said plates and within the aperture of one of said pole plates and adapted to accommodate the neck of a cathode ray tube, nonmagnetic means between said pole piece and the inner edge of the aperture of said one pole plate for axially slidably centering said pole piece, a bracket fixed to said pole piece and having an internally threaded aperture radially outward of said pole piece, and a lead screw rotatably mounted in one of said pole plates against axial motion and engaging said threaded aperture, a second bracket fixed to said pole piece, said brackets having a pair of apertures in axial alignment, and a guide pin slidably engaging said latter apertures and fixed to said pole plates parallel to the axis of said device, for retaining said pole piece in axial alignment during its adjustment, whereby upon rotation of said lead screw said pole piece is adjusted relative to a pole plate to vary the gap therebetween and thereby to adjust the magnetic field produced by said magnets, substantially without transverse shifting of the image on said cathode ray tube.

2,580,607
IMPACT TYPE CLUTCH
Paul E. Schmid, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application October 26, 1949, Serial No. 123,764
3 Claims. (Cl. 192—30.5)

1. In an impact driving connection, the combination of a housing having a cylindrical chamber, a rotatable driving member in said chamber, a rotatable anvil coaxially supported in said housing with respect to said member, a disk shaped hammer element in said chamber pivotally connected to said member for oscillatory movement about an axis offset from but parallel to the axis of rotation of said anvil, said element having jaws extending longitudinally thereof



adapted to impact said anvil and effect said oscillatory movement, and pads on said element alternately engageable with the inner wall of said chamber for limiting the oscillatory movement of said element.

2,580,608
FORMING CIGARETTE PAPER
Milton O. Schur and Robert M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation, a corporation of Delaware
No Drawing. Application April 25, 1946, Serial No. 665,001
2 Claims. (Cl. 92—21)

1. The process for producing cigarette paper which when burned as the wrapper on a cigarette will produce a clinging, grayish-white, ash that is sufficiently cohesive and integrated to avoid frequent accidental dropping of the ash, comprising incorporating in the cigarette paper furnish just prior to sheeting thereof on a cigarette paper making machine and which furnish contains predominantly cellulosic fibers and calcium carbonate filler, approximately ½% to 5% of sodium hydroxide and phosphoric acid in an amount of about ½% to about 5%, based upon the weight of the fiber and in an amount not greater than the amount of sodium hydroxide, and then sheeting this furnish on the paper machine and drying the resulting cigarette paper sheet in such a manner that the finished cigarette paper contains a substantial amount of the reaction products of said sodium hydroxide and phosphoric acid.

2,580,609
CIGARETTE PAPER
Milton O. Schur, Asheville, and Robert M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation, a corporation of Delaware
No Drawing. Application August 2, 1950, Serial No. 177,342
12 Claims. (Cl. 131—15)

1. A combustible, cellulose, cigarette paper containing a carbonate filler and approximately 0.05% to 0.6% of a quaternary ammonium salt selected from the group consisting of quaternary ammonium phosphate and phosphite salts (expressed as PO_4), having a quaternary ammonium cation of the general formula:



wherein R_1, R_2, R_3, and R_4 stand for radicals selected from the group consisting of the lower alkyl and hydroxyalkyl radicals, aralkyl, aliphatic and alicyclic radicals containing not more than 20 carbon atoms, said paper when burned as the wrapper on a cigarette producing an ash of fine discontinuous flakes that closely adhere to the tobacco ash.

2,580,610
CIGARETTE PAPER
Milton O. Schur, Asheville, and Robert M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation, a corporation of Delaware
No Drawing. Application May 29, 1951, Serial No. 228,982
2 Claims. (Cl. 131—15)

1. A combustible, cellulose cigarette paper containing cellulosic fibers, calcium carbonate filler, and impregnated throughout with approximately 0.1% to 1% ammonium phosphate (expressed as PO_4) and approximately 0.002% to 0.05% phosphoric acid based on the dry weight of the cigarette paper.

2,580,611
CIGARETTE PAPER
Milton O. Schur, Asheville, and Robert M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation, a corporation of Delaware
No Drawing. Original application April 25, 1946, Serial No. 665,001. Divided and this application June 23, 1951, Serial No. 233,251
3 Claims. (Cl. 131—15)

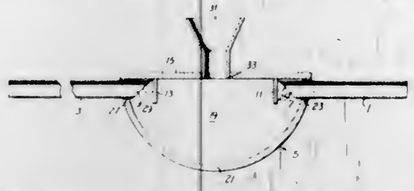
1. A cigarette paper composed predominantly of cellulosic fibers and calcium carbonate filler and containing the in situ reaction products of about ½% to 5% of caustic alkali and about ½% to 5% of phosphoric acid.

2,580,612
ELECTRIC CONDENSER
Harvey Fisher Schwarz and William Joseph O'Brien, London, England, assignors to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Original application August 27, 1945, Serial No. 613,004. Divided and this application April 5, 1950, Serial No. 163,582. In Great Britain February 29, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 29, 1964
1 Claim. (Cl. 175—41)



In an electrical condenser, the combination of: a condenser unit comprising a sheet of mica dielectric, a layer of metal deposited on both sides thereof to provide the first and second electrodes of said condenser; a support for said unit including a pair of electrode contact means engaging said unit on opposite sides of said sheet at points spaced from the edges thereof and each comprising a flexible arm terminating in a flat abutment face formed integrally therewith and engaging one of said electrodes, the lateral extent of said contact means in the plane of said electrodes being less than that of said electrodes, a casing of relatively rigid insulating material defining an interior cavity for containing said unit, the dimensions of said cavity exceeding the dimensions of said unit to leave a free space all around said unit, and means securing said arms of said contact means to said casing on opposite sides of said cavity for supporting said condenser unit between said abutment faces in a position extending said condenser unit between and beyond said lateral extent of said contact means, whereby said condenser unit provides a capacity shield between said contact means to provide a housed condenser having a capacity which does not exceed the capacity of said condenser unit by more than ½ mmfd.

2,580,613
BLOWGUN
Phillip H. Seibel, Affton, and Joseph R. Scotti, St. Louis, Mo.
Application December 21, 1950, Serial No. 202,012
4 Claims. (Cl. 124—12)



1. A magazine-type blow gun for shooting pellets such as peas, beans or the like, comprising a magazine for pellets, the magazine being of flat, semi-circular form having a narrow top wall, semi-circular side walls, and a narrow arcuate wall forming the bottom and end walls of the magazine, an air inlet tube extending at its forward end through an opening in the rearward end of the arcuate wall of the magazine closely adjacent the top wall of the magazine, an air outlet tube extending at its rearward end through an opening in the forward end of the arcuate wall of the magazine closely adjacent the top wall, and baffle means in the housing for causing air blown in through the inlet tube to flow in a stream downward from the forward end of the inlet tube and thence upward and out through the rearward end of the outlet tube.

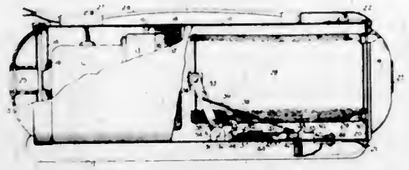
2,580,614
MANUFACTURE OF OPEN-HEARTH STEEL
George V. Slottman, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application February 15, 1947, Serial No. 728,868
2 Claims. (Cl. 75—60)



1. In the production of medium and low carbon steel in an open hearth furnace, the improvement which comprises introducing oxygen into molten steel containing less than 0.5% carbon while it is on the hearth to reduce the carbon content thereof, the oxygen being introduced at an apparent linear velocity in excess of about 1000 ft./sec. through a bare ferrous metal pipe unprotected from the heat of the molten metal and having its discharge end submerged in said molten metal so that the oxygen is delivered through said pipe at said velocity into the molten metal at a point a substantial distance below the surface thereof.

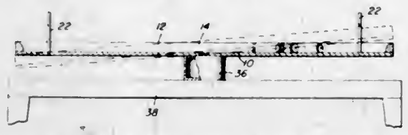
2,580,615
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 6, 1950, Serial No. 137,172
In Great Britain February 18, 1948
9 Claims. (Cl. 183—58)

1. In combination with a suction cleaner having a filter mounted therein; shaker mechanism for said filter normally holding said filter extended under no appreciable tension and operable to collapse said filter and tension it abruptly comprising; a manually operable linkage secured to one end of said filter; a spring normally holding said linkage in position to support said filter in said extended position; a relatively strong filter shaking spring; releasable lock-out means normally rendering said spring inoperative to



tension said filter; a normally closed releasable connection; and means for opening said releasable connection when said filter is collapsed to a predetermined position; said mechanism being operable to release said lock-out means, tension said filter shaker spring and collapse said filter whereby said shaker spring is effective to tension said filter abruptly when said releasable connection opens.

2,580,616
FOOTBALL GAME APPARATUS
Joseph M. Spiegel, Palo Alto, Calif.
Application January 27, 1949, Serial No. 73,168
1 Claim. (Cl. 273—94)

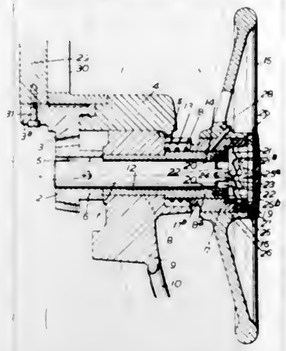


A football game comprising an elongated board having lines thereon to simulate the yardage lines and boundry lines of a football field, a support at center of the board and including a flat upper wall contacting the undersurface of the board, inverted U-shaped members secured to and rising from the ends of the board whereby the board may be manually rocked upon the support, two sets of game pieces, each of said sets of game pieces being composed of a plurality of disks that are placed on their edges at points on the board selected by players, one set of game pieces constituting a defensive team and the other set of game pieces constituting an offensive team, one game piece of the set of game pieces constituting the offensive team having a central opening and a pin mounted in the opening and having end portions projecting outwardly from both faces of the said one game piece whereby a player may impart an initial and directional spin to the said one game piece for avoiding the game pieces of the defensve team.

2,580,617
POWER-OPERATED CIRCULAR KNITTING MACHINES
Edward Victor Stibbe and Leonard Walter Gibbins, Leicester, England, assignors to G. Stibbe & Co. Limited, Leicester, England, a British company
Application August 5, 1950, Serial No. 177,852
In Great Britain August 19, 1949
12 Claims. (Cl. 66—8)

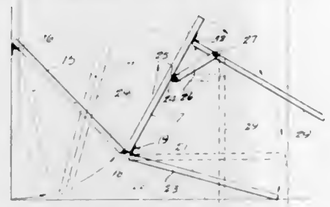
1. In a power-operated circular knitting machine, in combination, a rotary machine head, a

gear in driving connection with said head, a drive shaft provided with a pinion arranged in mesh with said gear, a fixed sleeve serving to house and constitute a bearing for said drive shaft, a manu-



ally rotatable member mounted to turn upon the fixed sleeve, and means for coupling together the drive shaft and the manually rotatable member so as to enable the machine, when disconnected from power, to be turned by hand.

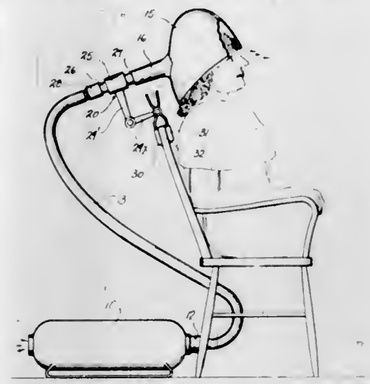
2,580,618
SECTIONAL TOP FOLDING WALL TABLE
Hayes W. Terrell, Sacramento, Calif.
Application September 2, 1949, Serial No. 113,809
4 Claims. (Cl. 311—19)



1. A collapsible table for attachment to a wall of a room, comprising an inner leaf, a hinge connected with the inner end of the inner leaf and adapted to be secured to the wall so that the inner leaf may be raised and lowered, an outer leaf hingedly connected with the outer edge of the inner leaf and swingable upwardly from a depending to a horizontal position, a transverse hinge connected with the inner edge of the outer leaf, an inner leg secured to the hinge to swing from the outer leaf to engage the floor beneath the hinge for supporting the inner and outer leaves, brackets secured to the bottom of the outer leaf, vertically swingable braces pivotally connected with the brackets outer legs pivotally connected with the braces near the ends of the braces remote from the brackets, a transverse bar secured to the outer legs and extending between the same, and a latch secured to the underside of the outer leaf and engaging the transverse bar for releasably holding the outer legs in vertical positions.

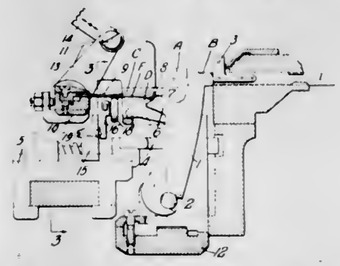
2,580,619
HAIR DRYING EQUIPMENT
Dorothy H. Thomas, Seattle, Wash.
Application December 26, 1950, Serial No. 202,665
1 Claim. (Cl. 34—99)

In combination, a source of drying air under pressure, and a flexible air delivery tube extended therefrom for the application of said air to a point of use, a hair drying helmet adapted to be applied with clearance over the head of the user; said helmet having a tubular air inlet stem projecting therefrom and serving as a support for the helmet, and an adapter of tubular form adapted to be applied at opposite ends to said



stem and to the end of said flexible tube to provide a connection for the delivery of drying air into the helmet, and a clamp device fixed to said adapter tube and adapted for application to a support and comprising adjustably connected parts permitting adjustment of the adapter relative to the support to which the clamp is applied.

2,580,620
KNITTING MACHINE JACK HOLDER
Jaroslav Václavík, Zlin, Czechoslovakia, assignor to Bata, narodní podnik, Zlin, Czechoslovakia
Application May 4, 1948, Serial No. 25,066
In Czechoslovakia May 8, 1947
4 Claims. (Cl. 66—110)



1. In a flat knitting machine of the type described including a horizontally disposed series of sinkers, a series of upstanding jacks pivoted at the lower end and having a sinker engaging upper end adapted to engage and advance the sinkers to loop-forming position, a slurcock carrier and a slurcock carried thereby for successively engaging and swinging said jacks to sinker advancing position, a rearwardly extending projection on the back of each of said jacks adjacent the upper sinker engaging end thereof, said projections each having a rearwardly facing inclined camming surface on the free end thereof, a spring bar disposed above the path of movement of the slurcock and in substantial horizontal alignment with the rearwardly extending projections on the backs of said jacks, and forwardly extending substantially horizontal jack spring, one for each jack, carried by said spring bar and having free ends adapted slidingly to engage the

respective rearwardly facing inclined camming surface of the projections on the backs of the jacks upon shifting of the jacks by the slur-cock to sinker advancing position to bias and retain the jacks in said position.

2,580,621
WINDOW SHUTTER
Victor A. Vicksell, Sr., Kansas City, Mo.
Application October 8, 1945, Serial No. 621,073
3 Claims. (Cl. 20—62)



1. For a window frame having a vertically reciprocable sash carried thereby, a shutter assembly comprising a pair of spaced, vertical side rails mounted in the frame; a series of spaced clips on each of said rails respectively, each clip being independently mounted intermediate the ends thereof for rotation on a horizontal axis, the axes of rotation of the clips of each series being vertically aligned in parallelism with the corresponding rail; a slat spanning the distance between each clip respectively of one series thereof and opposed clips of the other series thereof, said slats being releasably secured to the clips and being freely slidable into and out of operative engagement with the clips; at least one vertically reciprocable bar pivotally secured to each clip of one series thereof adjacent one of said ends of the clips; and a foot on the bar at the lowermost end thereof within the path of travel of said sash, whereby the bar is moved to swing the clips and the slats thereon in one direction when the sash is lowered to a closed position within said frame.

2,580,622
STORAGE AND CONCENTRATION OF ACETYLENE
Richard R. Vogt and William H. Hamill, South Bend, Ind., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 18, 1945, Serial No. 623,188
10 Claims. (Cl. 183—115)

2. In a process for increasing the acetylene content of gaseous mixtures containing the same, the step which comprises selectively dissolving the acetylene in a tri-alkyl phosphorus compound of the class consisting of tri-alkyl phosphates, tri-alkyl phosphites and tri-alkyl phosphine oxides in which each alkyl chain in each case contains from 1 to 4 carbon atoms.

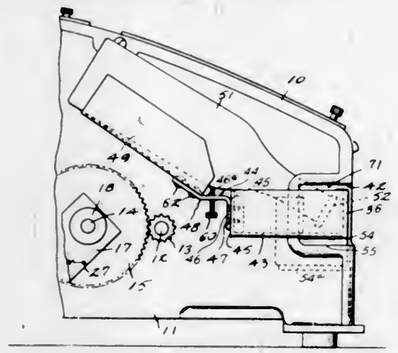
5. A composition comprising a solution of acetylene dissolved in a tri-alkyl phosphorus compound of the class consisting of tri-alkyl phosphates, tri-alkyl phosphites and tri-alkyl phosphine oxides in which each alkyl chain in each case contains from 1 to 4 carbon atoms.

2,580,623
ROLLING PAINT STAND
Charles Leo Wahl, Lanesboro, Iowa
Application December 12, 1947, Serial No. 791,431
1 Claim. (Cl. 248—129)



A paint stand of the type described, for mounting on a staging or scaffolding, comprising a carriage having a base plate, rollers carried by said carriage for movably mounting said carriage on the staging or scaffolding, sides on said base plate having the upper edges thereof depending below the longitudinal edges of said base plate and the lower edges of said sides depending below the lower surface of the rollers and slightly spaced from said staging or scaffolding to prevent lateral movement of the carriage with relation to the said staging or scaffolding, an upright secured to said base plate centrally thereof, means on the upper end of said upright for supporting a paint pail on said upright, and means carried by said carriage and engaging said staging or scaffolding to retain said carriage on said staging or scaffolding, said last means comprising a C-shaped arm pivotally mounted on one of the sides of said carriage, and said arm carrying a roller which is adjusted to engage the under surface of said staging or scaffolding and a spring connected to said arm and said carriage tensioning said arm to maintain the roller on the arm in contact with said staging or scaffolding.

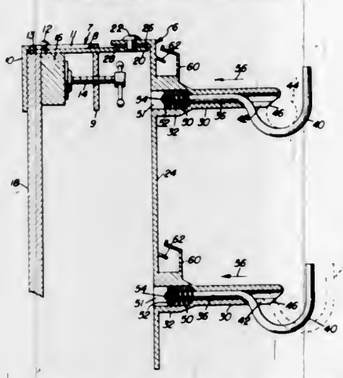
2,580,624
WATER BOTTLE HOLDER FOR TAPE DISPENSING MACHINES
Lewis Walters, New York, N. Y.
Application August 1, 1950, Serial No. 177,108
1 Claim. (Cl. 91—38)



In a tape dispensing machine a pair of side frame members, at least one of said frame members being formed with a forwardly opening slot,

a ledge on the inner side of said one frame member on the lower horizontal edge of said slot, a tape moistening means including a well removably mounted on said ledge, an L-shaped channel member carried by said well extending outwardly through said slot with one side of said channel member projecting rearwardly, a transversely arcuate bottle supporting saddle, a bracket including a horizontal portion having a threaded aperture therein securing said saddle to the rear of said channel member in upwardly and rearwardly inclined position, a water bottle engaging in said saddle, the mouth of said bottle extending downwardly and forwardly into said channel member whereby to maintain a predetermined water level in said channel member and said well, means for selectively varying the angle of inclination of said bottle relative to said saddle, said last mentioned means comprising a rotatable screw mounted in said threaded aperture in said horizontal portion of said bracket and abutting said bottle, and means comprising a separable plate extending over a portion of said channel for retaining the mouth of the bottle therein.

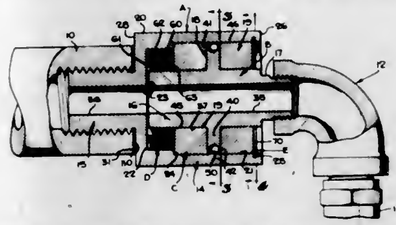
2,580,625
FISHING ROD HOLDER
Charles A. Waltz, Normal, Ill., assignor of one-half to Henry A. Huff, Normal, Ill.
Application June 1, 1950, Serial No. 165,453
2 Claims. (Cl. 211—86)



1. In a fishing rod holder, a support adapted for attachment to the gunwale of a boat, a tubular member secured at one end thereof to said support and provided at its outer end with a projecting detent, a shank slidable in said member and projecting outwardly therefrom at a point adjacent said detent, a hook-shaped fishing rod socket provided at the outer end of said shank and movable toward and away from the detent when the shank is slid in said member, and resilient means for sliding said shank inwardly in said member whereby said detent may retain a fishing rod in said socket.

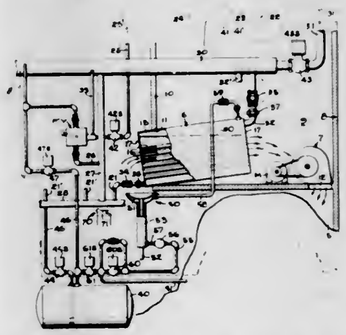
2,580,626
FLUID HANDLING SWIVEL JOINT
Doyle C. Warren, Monrovia, Calif., assignor to Chiksan Company, Brea, Calif., a corporation of California
Application September 29, 1947, Serial No. 776,653
11 Claims. (Cl. 285—97.5)

1. A fluid handling device of the character described including, a unitary tubular body having a case round in cross section and a stem substantially smaller in diameter than the case and projecting from the inner end of the case, the case having a bore entering it from the outer end where the case is open and terminating at a shoulder in the case, a core engaged in the case through the open outer end thereof and having a spindle within the bore of the case and a coupling part projecting from the spindle and beyond the outer end of the case, bearing means in-



cluding a radial flange on the spindle intermediate its ends and two like bearing rings separate from the body and from the spindle and located on the spindle, there being a ring at each side of the flange, each ring bearing in the bore and against the flange, and sealing means between the spindle and case engaging the innermost ring and the shoulder.

2,580,627
DEFROSTING CONTROL IN AN AIR-COOLING SYSTEM
John E. Watkins, Maywood, Ill., assignor to Midwest Engineering & Equipment Co., Chicago, Ill., a corporation of Illinois
Application March 6, 1948, Serial No. 13,442
3 Claims. (Cl. 62—4)



1. In a system for maintaining sub-freezing temperatures in a refrigerating chamber, the combination of partitions forming a compartment adjacent said chamber for connecting therewith through two openings, a refrigerant evaporator comprising a cylindrical shell disposed in one of said openings, headers closing the ends of said shell, and tubes extending longitudinally through said shell and through said headers providing passages for the flow of air from said chamber to said compartment, means for supporting said shell and said tubes in an inclined position, a source of liquid refrigerant, liquid conduit means for supplying liquid refrigerant from said source to said evaporator to cool said tubes below the freezing temperature of water, a blower in said compartment operative to draw air through said tubes into the compartment and to discharge the air through the other of said openings, the air passing through said tubes leaving a deposit of frost on the surfaces of said tubes during normal operation, a source of hot refrigerating gas under pressure, a hot

gas conduit between said source of hot gas and said evaporator, means for closing said liquid conduit for discontinuing the supply of liquid refrigerant to said evaporator, means for opening said hot gas conduit for charging the evaporator with hot gas effective to melt the frost from said tubes, the liquid condensate resulting from said melted frost flowing along said tubes and said shell to the lower end of said shell, a condensate conduit positioned under said lower edge to receive said condensate, a gas tight jacket surrounding a portion of said last mentioned conduit, said hot gas conduit being interconnected with said jacket to cause the hot gas to circulate around said condensate conduit before entering said evaporator, said hot gas serving to heat the condensate to prevent its freezing in said condensate conduit.

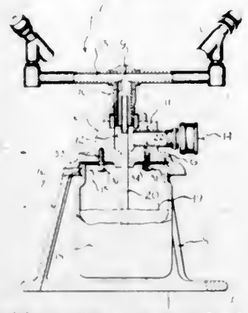
2,580,628
SUCTION ELECTRODE
William W. Welsh, Rockville, Md., assignor to Bowen & Company, Inc., Bethesda, Md., a corporation of Delaware
Application July 12, 1950, Serial No. 173,348
1 Claim. (Cl. 128—404)



A suction electrode comprising, a cup member of electrically conductive material, said cup member being in the shape of a spherical segment no greater than a hemisphere and having a smooth terminal edge defining an open mouth, a tubular member of electrically conductive material fixed to said cup member and extending therefrom in a direction away from said open mouth, the interior of said tubular member communicating with the interior of said cup member, a terminal clamp fixed to said tubular member, and a hollow resilient bulb having a short integral neck portion embracing said tubular member with the interiors thereof in communication whereby to provide an air passageway between the interiors of said bulb and cup member, said terminal clamp being provided with an opening through which said tubular member extends with a tight fit and being closely adjacent said cup member, said neck portion of said bulb abutting said terminal clamp whereby to maintain the overall length of said electrode at a minimum.

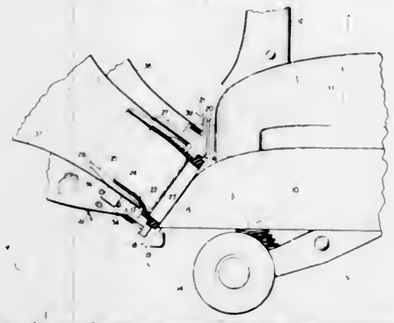
2,580,629
COMBINED WATER SPRAY AND CHEMICAL DISPENSER
Edwin H. Wenzel, Milwaukee, Wis.
Continuation of application Serial No. 34,914, June 24, 1948. This application May 21, 1951, Serial No. 227,292
6 Claims. (Cl. 299—84)

5. In combination: means connectible with a source of water under pressure, said means comprising a body having a duct therein; an eductor tube having its inlet end projecting from said body and its outlet end debouching into said duct; button-like projections on the body adjacent to the projecting end of said eductor tube; and a sealed container having a top wall scored to form keyhole shaped slots cooperable with said button-like projections to provide a detachable bayonet joint connection between the container and the body when the portions of said top wall



encircled by said scorings are pushed in, and to form an aperture through which the inlet end of the eductor tube may enter the container.

2,580,630
SUCTION CLEANER
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 14, 1950, Serial No. 138,575
13 Claims. (Cl. 183—36)

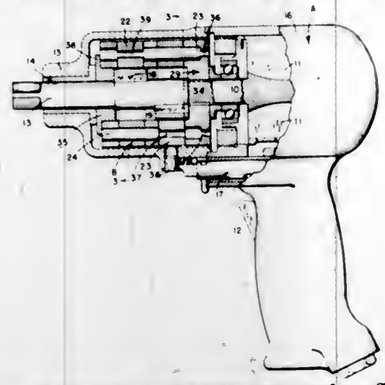


1. A filter adapter assembly for a suction cleaner comprising, an annular base member, a tubular filter seating collar adapted to fit within the inlet opening of a filter bag, a resilient tubular member extending between said collar and said base member and forming part of the exhaust air passage from a suction cleaner to a filter mounted on said collar, and means for clamping a filter to said collar including rigid means integral with said base member positioned laterally of said collar and having a surface opposite and conforming in contour to the adjacent surface of said collar, and flexible clamping means carried by said rigid means and cooperable therewith to clamp a filter to said collar.

2,580,631
IMPACT TOOL
Edgar R. Whitledge, Mantua, Ohio, assignor, by mesne assignments, to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application May 2, 1946, Serial No. 666,707
21 Claims. (Cl. 192—30.5)

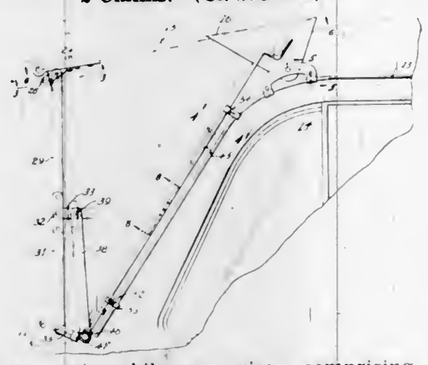
1. In an impact driving connection, the combination of a rotatably supported driven member having an anvil, a rotatable driving member coaxially supported with respect to said driven member, a hammer element pivotally connected to said driving member for rotation therewith and angular movement relative thereto about an axis

offset from but parallel with the axis of rotation of said driving member, said hammer element having an impact shoulder located between said axes and positioned so as to always trail its pivotal connection, and movable into and out of the path of said anvil for delivering a succession
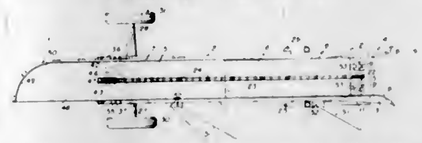


of impacts thereto, automatic means for effecting angular movement of said impact shoulder into the path of said anvil, and means responsive to the impact of said shoulder on the anvil for automatically effecting angular movement of said shoulder out of the path of said anvil in the same direction as that of said driving member.

2,580,632
AUTOMOBILE SUN VISOR
Earl Ray Williams, Sacramento, Calif.
Application August 15, 1950, Serial No. 179,582
2 Claims. (Cl. 296—95)



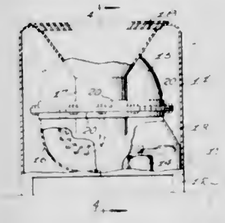
1. An automobile sun visor comprising an axially extensible sectional panel adapted to overlie the windshield of an automobile, means pivotally mounting the opposing ends of the panel on the opposing side gutters of an automobile with the panel swingably overlying in angular relationship the windshield of an automobile, a shift rod rotatably journalled on the lower strip of the windshield and extending between the middle and one of the vertical ends of the windshield, a linkage connected between the panel and the rod for moving the panel relative to the windshield in response to rotation of the shift rod, actuating means connected to the rod and positioned accessible to the front side door of an automobile, and means for locking said last means to lock the panel in adjusted positions, said actuating means including a crank rotatably journalled on one of the side gutters in advance of the door and gear means connecting the crank to the rod.

2,580,633
BALED HAY LOADER
Finis B. Williams, Fresno, Calif.
Application May 22, 1947, Serial No. 749,676
4 Claims. (Cl. 198—9)



1. A baled hay loader comprising a frame having front and rear supporting wheels, said front wheels being of caster type a rearwardly inclined loading chute attached to the front end of said frame, an upwardly extending frame supported by said rear wheels connected with the rear end of said loading chute, an endless chain conveyor disposed for operation in said loading chute and having a shaft operatively mounted transversely of said front end of the frame, driving gearing between said rear wheels and said endless chain conveyor for operating said conveyor when said loader is in motion, and aligned rotatable tubular baled hay engaging and loading sleeve members mounted at the forward end of said loading chute, said sleeve members being spaced apart with one sleeve member on each side of the endless chain conveyor, said sleeve members being driven by said endless chain conveyor, said sleeve members having staggered teeth extending longitudinally of the sleeve members.

2,580,634
ELECTRIC AIR HEATER
Mark H. Winner, Jr., New York, N. Y.
Application October 4, 1949, Serial No. 119,540
3 Claims. (Cl. 219—39)

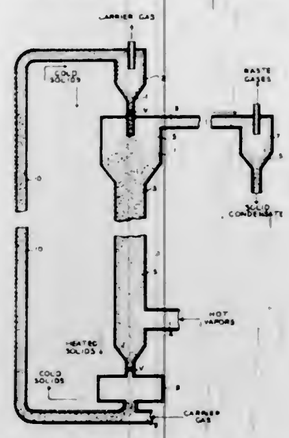


1. A heater comprising a housing, an inlet duct at the bottom of the housing, an outlet duct at the upper portion of the housing, a curved duct in said housing connecting said inlet duct to said outlet duct, said curved duct comprising an inverted U-shaped duct member making a 180-degree bend, and an upright U-shaped duct member also making a 180-degree bend, the U-shaped duct members being joined together at their inner ends and said U-shaped members being highly polished on their inner surfaces, a core element secured axially in one of said U-shaped duct members, an electrical heating coil carried on said core element, and blower means in said inlet duct.

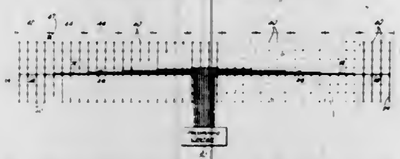
2,580,635
CONDENSATION OF VAPORS
Charles Henry Winter, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 19, 1947, Serial No. 755,546
9 Claims. (Cl. 183—119)

1. A method for fractionally condensing and separating from a vaporous mixture a constituent

which condenses directly to a solid to form a gaseous suspension of said constituent in the remaining vapors, which comprises countercurrently contacting for heat exchange a stream of the said mixture and a stream of sufficient nonreactive finely divided cooler solids to cool said constituent to below its condensation point, maintaining the heat exchange zone at such temperature that said solids become heated to above the dew point of the resulting condensate, withdrawing the condensed constituent as a suspension in the uncondensed gases and recovering it therefrom, and separately removing the finely divided added solids.



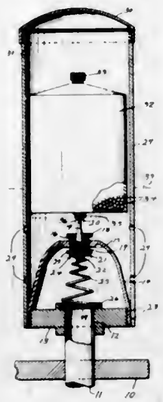
2,580,636
REFLECTION SEISMIC EXPLORATION
Alexander Wolf, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application March 1, 1945, Serial No. 580,371
4 Claims. (Cl. 181—0.5)



1. A reflection method of seismic exploration which comprises exploding a charge to generate vibrations at a point at or near the earth's surface and actuating a recording galvanometer by the sum of adjacent pairs of groups of detectors set up on or near the surface of the earth and each of said groups substantially uniformly covering an area the least dimension of which is not less than about one wavelength of any interfering vibrations traveling in the plane containing said detectors.

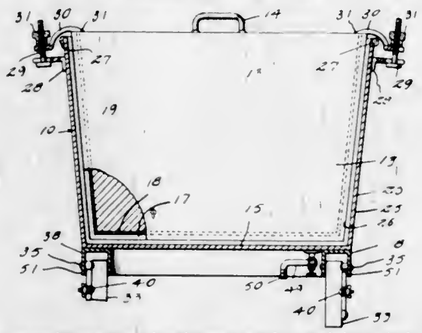
2,580,637
TROUGH OR TANK WATER LEVEL VALVE
Smith C. Wright, Bandera, Tex.
Application September 27, 1948, Serial No. 51,370
6 Claims. (Cl. 137—104)

1. For use with an animal drinking trough, commode or the like having a tank for containing water and a stand-pipe connected to a main supply of water, a water level maintainer comprising an adapter having an opening therethrough received over the upper end of said stand-pipe, a frusto-conical valve housing having its lower base edge carried by said adapter and having in its upper portion an opening, a valve seat having a passageway from the interior of the valve housing to the space above the same, a valve core slidable through said passageway and having an upper end extending above the housing, a valve member mounted in the housing and carried by the lower end of said core in position to open and to close



against said seat, spring means for biasing said valve member to a closed position against said seat, a float operator in the water in the tank positioned to engage the upper end of said core to open the valve against the action of said spring, and a float housing for confining said float operator to a position above said core, said float housing supported at its lower end from said adapter and having openings in its lower and upper portions.

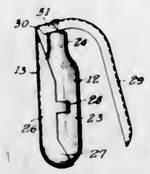
2,580,638
COMBINATION BATHTUB AND WASHTUB
Bennie Lee Archie, Jr., Los Angeles, Calif.
Application June 24, 1946, Serial No. 678,843
1 Claim. (Cl. 4—183)



A combination bathing and washing tub including a bottom and upwardly diverging side walls, an uninterrupted internal transverse rib extending across said bottom and from top to bottom of the side walls, a removable partition having an uninterrupted groove along its bottom and side edges for interfitting engagement with the rib when the partition is applied to the tub to divide the latter into end compartments, a bracket mounted externally on each side of the tub, a bolt extending upwardly from each bracket, a finger slidably engaging each bolt, said fingers having longitudinally and upwardly

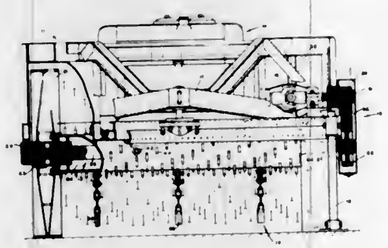
bowed inwardly extending free ends overlying the tub sides and bearing on the upper edge of the partition, and nuts threadedly engaging the bolts and bearing upon the upper sides of the fingers for causing the fingers to press the partition into tight fitting engagement with the rib.

2,580,639
PUNCTURING HOLDER FOR GAS CARTRIDGE
Bill P. Baker, San Diego, Calif., assignor to Superior Plastics, Inc., El Segundo, Calif., a corporation of California
Application June 9, 1948, Serial No. 31,856
2 Claims. (Cl. 222—5)



1. In a device of the character described, a gas-dispensing unit comprising a gas-filled cartridge, a single stamping formed to have a seat for the cartridge and laterally encompassing prongs that cooperate with the seat to retain the cartridge in the housing, a handle generally coextensive with the housing and integrally formed with and connected to the end of the housing opposite to said seat, said handle being provided with a portion extending across the end of the cartridge that is adjacent to the point of connection with the housing, said handle being pivotally movable relative to the housing on said point of connection in a direction toward the cartridge, and a cartridge-puncturing pin on the handle and directed toward the cartridge to puncture the same upon pivotal movement of the handle.

2,580,640
SPROUT DESTROYER
James C. Bartch, Flat River, and George W. Couch, Rivermines, Mo.
Application May 27, 1948, Serial No. 29,473
6 Claims. (Cl. 97—40)

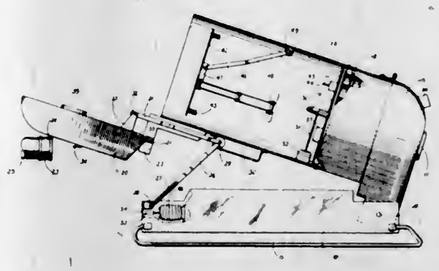


6. A sprout destroyer having in combination a frame supported on wheels for movement over terrain, a rotatable drum constructed and arranged to act as a lubricant reservoir journalled on said frame, a plurality of flexible beating elements attached radially on the outer periphery of said rotatable drum, and lubricating means constructed and arranged to feed lubricant from the drum to the beating elements.

2,580,641
METHOD OF PREPARING A SILICA-ZIRCONIUM OXIDE CATALYST FOR THE CONVERSION OF HYDROCARBONS
John R. Bates, Swarthmore, Pa., and George R. Bond, Jr., Paulsboro, N. J., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Original application December 20, 1938, Serial No. 246,790. Divided and this application January 24, 1941, Serial No. 375,768
9 Claims. (Cl. 196—52)

1. In the promoted formation of valuable reaction products involving decomposition of hydrocarbon starting material, the process comprising contacting said starting material under decomposing reaction conditions with an active catalyst comprising a zeolitic nucleus incapable of exchangeably holding more than 2% by weight of sodium oxide, said nucleus having been prepared from a coagulum formed by interreaction of a soluble silicate and a zirconium salt under pH conditions not in excess of 5, and consisting of substantially pure chemically bonded silica and zirconium oxide, said silica comprising at least 85% of the weight of said nucleus.

2,580,642
CONTAINER EJECTING SUCTION CLEANER
Arnold H. Beede, Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application April 1, 1946, Serial No. 658,641
22 Claims. (Cl. 183—37)

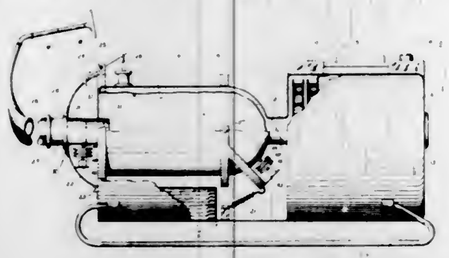


1. In a vacuum cleaner, a base portion, a casing tiltably mounted on said base portion, a dust receiving container within said casing, means to produce flow of air through said container, and means for tilting said casing and discharging said container from said casing in response to an increase in the pressure drop of the air passing through said container.

2,580,643
PRESSURE RESPONSIVE CONTROL DEVICE FOR VACUUM CLEANERS
Ferman C. Doughman, Darien, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application June 12, 1946, Serial No. 676,318
18 Claims. (Cl. 183—37)

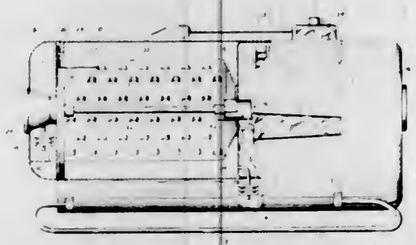
1. In a vacuum cleaner, a housing, a dust separating member in said housing, means for producing flow of air through said member, a first air pressure responsive device operable in response to an increase in pressure ahead of said member, a second air pressure responsive device operable in response to a decrease in pressure

behind said member to a value less than the pressure at which said first device is operable, and



means actuated in response to concurrent operation of said devices.

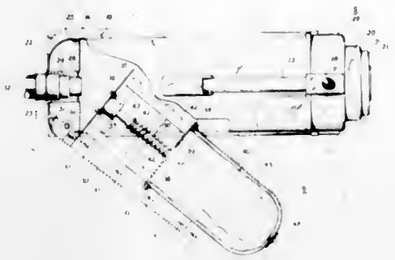
2,580,644
SUCTION CLEANER
Gustaf E. Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application November 15, 1946, Serial No. 710,068
10 Claims. (Cl. 183—37)



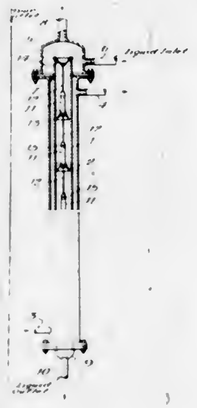
1. In a vacuum cleaner, a casing having an opening, suction means for producing sub-atmospheric pressure in said casing to induce flow of air therethrough, a dust separating member positioned within said casing and removable through said opening, supporting structure for said dust separating member slidably mounted in said casing and movable outwardly for moving said dust separating member outwardly through said opening, means for moving said structure outwardly, and control means for actuating said means for moving said structure actuatable in response to an increase in pressure within said dust separating member and to a concurrent decrease in pressure between said dust separating member and said suction means.

2,580,645
SIDE OPENING SUCTION CLEANER
Ferman C. Doughman, Darien, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application May 24, 1947, Serial No. 750,249
6 Claims. (Cl. 183—37)

1. In a suction cleaner, a body having fixed wall structure defining a dust bag compartment, said structure being formed with an air inlet opening and with a separate access opening for the insertion and removal of a dust receptacle, a pivotally mounted closure member for sealing said access opening, a dust receptacle holder movably mounted on the inner side of said closure member, means for retaining said closure member in sealing position and said holder in retracted position, and means for opening said closure member and for moving said holder relative to said closure member and outwardly through said access opening.



2,580,646
DISTILLATION TOWER
Donald H. Belden, Berwyn, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 14, 1948, Serial No. 21,042
5 Claims. (Cl. 202—154)

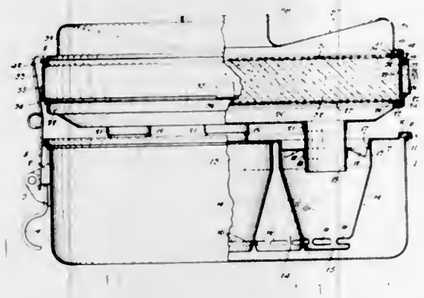


1. A distillation unit comprising in combination, a vertically elongated distillation tube, heating means for said distillation tube, liquid inlet means at the upper end of said distillation tube for distributing a liquid film to the inside wall thereof, spaced liquid distributing baffles within the upper portion and removably suspended from the top of said distillation tube and detachably connected to each other by hook and linkage means, each of said distributing baffles having a tubular upper portion and a flared lower skirt portion, the latter spaced concentrically within and close to said distillation tube to form new liquid wall films, said tubular upper portion having vapor outlets discharging into the interior of said tube whereby distilled vapor may travel upwardly through the central portion of said distillation tube, a vapor outlet at the upper end of said distillation tube and liquid outlet means at the lower end thereof suitable to discharge the unvaporized portion of said liquid stream.

2,580,647
PREPARATION OF A PHOSPHORIC ACID-CARBON CATALYST
Mitchell S. Bielawski, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 29, 1948, Serial No. 30,218
7 Claims. (Cl. 252—423)

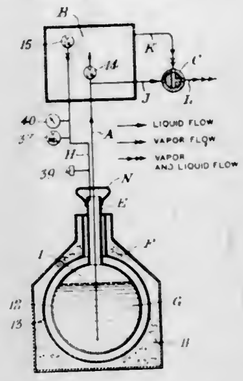
1. A process for the manufacture of a solid catalyst which consists of mixing from about 25% to about 50% by weight of a substantially dry finely divided organic material of vegetable origin comprising essentially carbon, hydrogen and oxygen and from about 75% to about 50% by weight of a phosphoric acid at a temperature of from about 100° F. to about 160° F., continuing said mixing and heating to form a charred composite of the organic material and phosphoric acid, thereafter mixing said charred composite with a sufficient amount of water to form a plastic mixture and forming the plastic mixture into shaped particles, drying the shaped particles at a temperature of from about 300° F. to about 400° F., thereafter calcining the dried particles at a temperature of from about 400° F. to about 1200° F. for a time such as to retain in excess of 25% by weight of phosphoric acid in said particles, and recovering the thus calcined particles as the product of the process.

2,580,648
AIR CLEANER
Mark L. Blair, Flossmoor, and David P. Eastman, Chicago, Ill., assignors to United Specialties Company, Chicago, Ill., a corporation of Delaware
Application January 21, 1946, Serial No. 642,486
4 Claims. (Cl. 183—34)



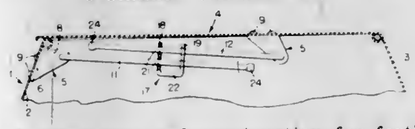
1. In combination in an air cleaner, a plurality of primary air cleaning cells, a common housing therefor having an inlet opening for each of said primary cells, each of said cells including an annular inwardly tapering side wall portion and a transversely disposed closed end wall, each of said side walls being provided with a laterally disposed waste discharge opening adjacent to said end wall and an air discharge passage coaxially disposed with respect to the inlet opening, and a filter cell including a housing member provided with a plurality of air inlet openings in communication respectively with the air discharge passages of the primary cells and having a common air discharge passage, and a mass of filter material positioned within the filter cell housing in the air stream between the air inlet openings and the air discharge passage thereof.

2,580,649
LIQUEFIED GAS DISCHARGE PUMP
Robert Edward Bludeau, Denville, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application January 8, 1948, Serial No. 1,095
17 Claims. (Cl. 62—1)



1. Apparatus for pumping vaporizable liquid from a container under vapor pressure which comprises a liquid ejection tube of thermally conductive metal adapted to extend into said container, a gas tight connection through which said tube is adapted to enter the top of said container, a closed chamber of thermally conductive metal exposed to the atmosphere outside said container and to which said tube is connected for the discharge of liquid from the container into said chamber, a vapor passage from an upper portion of said chamber and adapted to enter said container through said gas tight connection, a conduit from said tube through which said liquid is adapted to pass from said container to its place of use, and a check valve located in said tube between its discharge into said chamber and the connection of said conduit and tube, whereby liquid may flow from the container into said chamber but not from the chamber into the container or to its place of use.

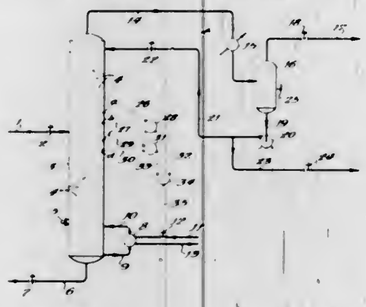
2,580,650
COVER STOP ROD
Royce R. Borngraeber, Horicon, Wis., assignor to John Deere Van Brunt Company, Horicon, Wis., a corporation of Wisconsin
Application October 31, 1949, Serial No. 124,700
5 Claims. (Cl. 217—60)



4. A cover stop rod construction for fertilizer distributors and the like of the type having a hopper and a cover hinged to one wall of the hopper, said stop rod construction comprising a pair of substantially identical rods extending alongside one another with their inner end portions disposed in overlapping relation, means pivotally connecting the outer ends of said rods to the cover and the opposite wall of the hopper, a U-shaped member having sections apertured to slidably receive the overlapping portions of said rods, said sections being spaced apart along said rod portions whereby the latter are mutually self-supporting in either the open or closed position of the cover, and the inner end of each of said rods

being flattened and extended diametrically of the rod to form stops to prevent said U-shaped member from becoming detached from either of said rods, said flattened portions respectively engaging said sections of said U-shaped member so as to hold the cover in its wide-open position.

2,580,651
FRACTIONATION CONTROL
David M. Boyd, Jr., Clarendon Hills, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 11, 1949, Serial No. 92,559
6 Claims. (Cl. 202—40)



1. In the fractionation of a mixed feed stream wherein at least overhead and bottom components are withdrawn, the method of obtaining a substantially uniform temperature and composition gradient throughout the column, which comprises, maintaining a pair of temperature indicating means at vertically spaced points above the level of introducing said mixed feed stream to the column, maintaining a pair of temperature indicating means at vertically spaced points below said feed level to the column, measuring temperature gradient above and below said feed level directly from said indicating means, measuring the differential between the temperature gradient above the feed and the temperature gradient below the feed level and regulating the heat distribution to said column responsive to changes in the differential between said temperature gradients.

2,580,652
METHOD OF BONDING STEEL TO SILVER
Joseph B. Brennan, Bratenahl, Ohio
No Drawing. Application July 18, 1945, Serial No. 605,857
3 Claims. (Cl. 29—189)

1. The method of bonding steel and silver comprising sparsely depositing fine nickel particles onto portions of the steel, heating the steel to cause fusion of the nickel particles thereto to form an extremely thin nickel lattice over the steel exposing the steel at the interstices in the lattice, and then applying a silver overlay over such lattice which is bonded to and impregnates such lattice.

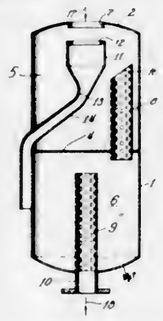
2,580,653
COMPOSITION FOR KILLING WEEDS
Walter A. Bridgeman, Racine, Wis., assignor to S. C. Johnson & Son, Inc., Racine, Wis.
No Drawing. Application August 23, 1946, Serial No. 692,697
6 Claims. (Cl. 71—2.6)

1. An aqueous wax emulsion, having a pH of from about 3.5 to 7, containing a material selected from the group consisting of halogenated phenoxy monocarboxlyic aliphatic acids, their salts and esters in a concentration of at least .04% by weight, said emulsion being characterized upon application by drying to a wax film which repels moisture yet allows diffusion of said active material contained therein into the surface upon which said emulsion is applied.

2,580,654
GREASE DISPERSION
George V. Browning, Schenectady, N. Y., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application October 26, 1949, Serial No. 123,779
2 Claims. (Cl. 252—41)

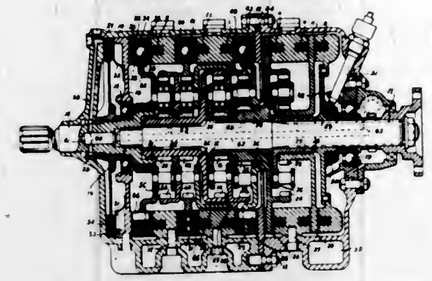
1. An aerosol dispensable lubricant composition which consists essentially of a lithium soap-oil grease having a soap content in the range of about 4 to 20 per cent by weight and characterized by a soap fiber length of the order of one micron dispersed in a mixture of trichloromonofluoromethane and dichlorodifluoromethane, the amount by weight of the lithium soap-oil grease in the total composition being in the range of .5 to 20 per cent and said composition being further characterized by having the oil component of the grease dissolved in the mixture of trichloromonofluoromethane and dichlorodifluoromethane at a temperature and pressure to maintain these components in liquid phase without dissolving the lithium soap fibers whereby unaltered lithium soap fiber clusters are retained as a suspension therein so that when said suspension is sprayed on a surface to be coated, the trichloromonofluoromethane and dichlorodifluoromethane will evaporate and the deposited film will consist essentially of a grease consisting of meshed lithium soap fibers with oil retained therein, said grease having substantially the same structure and physical properties as the original lithium soap grease.

2,580,655
INERTIAL AIR CLEANER AND SILENCER
Alfred S. Chipley, Mundelein, Ill., assignor to Burgess-Manning Company, Libertyville, Ill., a corporation of Illinois
Application August 15, 1947, Serial No. 768,738
2 Claims. (Cl. 183—107)



1. Apparatus for cleaning and silencing a stream of air comprising, in combination, a shell forming an enclosure and having an air outlet opening therein and an air inlet opening centrally located in one wall thereof, a dust trap comprising a receptacle having a mouth in spaced aligned relation to said air inlet opening within said enclosure and an outlet at a lower extremity thereof open to the atmosphere, and a perforated open-ended outlet tube passing through said shell and extending a substantial distance into said enclosure.

2,580,656
PLANETARY CHANGE-SPEED GEAR
Robert Cecil Clerk, Richmond, England
Application November 17, 1949, Serial No. 127,869
In Great Britain January 2, 1948
9 Claims. (Cl. 74—759)



1. A planetary multi-speed transmission including a driving element and a driven element, a first planetary gear train having an annulus gear coupled to the driving element, a sun wheel serving as a reaction element, and a planet-carrier coupled to the driven element and having rotatably mounted thereon planet wheels each meshing with the annulus gear and the sun wheel, a second planetary gear train having an annulus gear coupled to the sun wheel of the first train, a sun wheel serving as a reaction element, and a planet-carrier coupled to the driven element and having rotatably mounted thereon planet wheels each meshing with the annulus gear and the sun wheel, a controllable stop for arresting rotation of the sun wheel of the first train to yield an underdrive speed ratio, a controllable stop for arresting rotation of the sun wheel of the second train and thereby causing these trains to operate compounded and to yield an overdrive speed ratio, and clutch means capable of locking these trains to yield a 1-to-1 ratio drive.

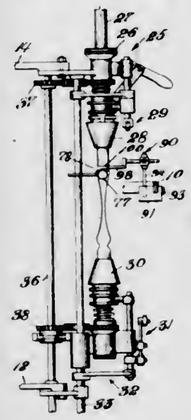
2,580,657
PILOT-CONTROLLED DISTRIBUTING VALVE FOR FLUID-OPERATED MOTORS
Clarence J. Coberly, Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio, a corporation of Ohio
Application March 18, 1946, Serial No. 655,329
17 Claims. (Cl. 121—157)

1. In a device of the character described, the combination of: a cylinder having a piston therein; a pair of sources of fluid respectively providing high and low pressures; a pair of passages connecting said sources to the respective ends of said cylinder for applying said high and low pressures to the respective ends of said piston to move said piston in said cylinder, said piston moving at a normal speed in response to predetermined rates of flow of fluid through the respective passages; hydraulically actuable valve means controlling one of said passages and movable from a closed position through a partially open, throttling position to a fully open position, said valve means, when in said throttling position, metering fluid through said one passage at a restricted rate of flow substantially less than said predetermined rate of flow therethrough so as to restrict said piston to a speed substantially less than said normal speed, said valve means being retainable in said



throttling position by balancing the pressure forces applied thereto; and control means for balancing the pressure forces applied to said valve means.

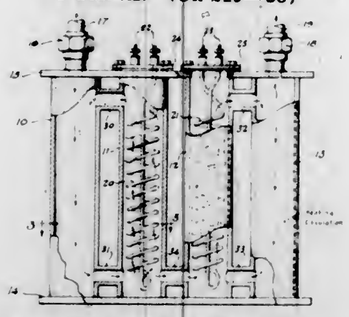
2,580,658
MEANS FOR FORMING THE BOTTOMS OF GLASS AMPOULES OR BOTTLES OR THE LIKE
George Coby, Attleboro, Mass., assignor to United Products Co., Inc., a corporation of Rhode Island
Application June 12, 1948, Serial No. 32,693
5 Claims. (Cl. 49—7)



1. In a glass working machine, a carrier for conveying a tubular material supply, rotatable means for rotating said tubular material as conveyed by the carrier, a flame means for heating the material over an extended path of travel on said carrier for severing work from said supply and for closing the end of said supply, and a normally stationary plate having a surface at right angles to the axis of said tubular material and having a marginal edge positioned to extend into the path of travel of the material but short of the axis thereof and past which the work is conveyed for engaging the formed bottom while said supply in the plasticized condition is being rotated for smoothing out any irregularities in said bottom, means to pivotally mount said plate, a stop

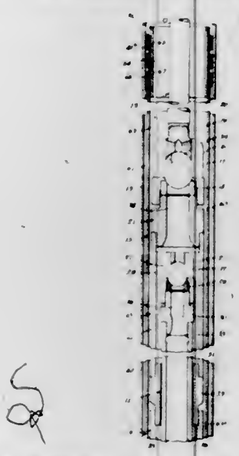
on said machine and resilient means to hold said plate against said stop but yieldable to permit the swinging of the plate in the direction of travel of said carrier.

2,580,659
BOOSTER WATER HEATER
Thomas H. Corbett, Chicago, Ill.
Application November 4, 1949, Serial No. 125,419
4 Claims. (Cl. 219—38)



1. In an electrically powered booster water heating apparatus adapted to be included in a warm water line between a main warm water source and a valved main outlet to substantially increase the water temperature during periods of closure of said valved main outlet, a first vertically extending water container having an inlet near its upper end for warm water, a second vertically extending water container separate from said first container and positioned alongside said first container and having a hot water outlet near its lower end, a vertically extending electric water heating element in said second container, and pipes respectively located near the top and bottom ends of said containers interconnecting the same to provide passages for the circulation of water by convection past said heating element and through both of said containers during such periods.

2,580,660
SAND CATCHER
Otis H. Crabtree, Long Beach, Calif.
Application April 20, 1945, Serial No. 589,294
12 Claims. (Cl. 103—179)



1. Well pumping apparatus including, a casing, a plunger, means separably anchoring the plunger in the casing, a movable pump barrel operatively associated with the plunger, said plunger and barrel being disposed within the casing to leave an annular space therebetween, and a sand catcher carried by the plunger and arranged in said annular space whereby sand settling out of pumped fluid above the catcher is accumulated by the catcher and kept from the anchoring means, said catcher including a tubular member extending above the top of the pump plunger.

2,580,661
CORE AND RELATED TUBE STRUCTURE
Harry Daniels, Brooklyn, N. Y., assignor to Super Electric Products Corp., Jersey City, N. J., a corporation of New Jersey
Application January 7, 1949, Serial No. 69,802
2 Claims. (Cl. 171—242)



1. In an article of the character described, a wax-impregnated core of powdered iron and a tube of insulative material for carrying an electrical coil; said core being positioned at least in part within the tube and moveable therealong in frictional contact with the interior of the tube; the wax content of the core serving to station the core against accidental movement by causing adhesion between the core and tube when the core is at rest in engagement with the tube and to ease movement of the core when the core is intentionally shifted within the tube.

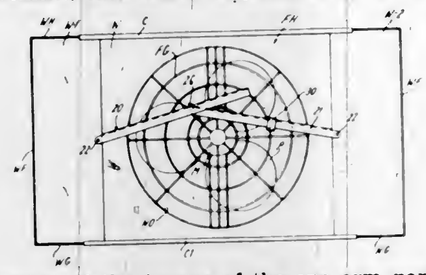
2,580,662
GLASSES OF HIGH RESISTIVITY AND LOW DIELECTRIC LOSSES
André Danzin, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
No Drawing. Application March 30, 1949, Serial No. 84,480. In France April 23, 1948
3 Claims. (Cl. 106—54)

1. Glasses which are more particularly intended for high-frequency tubes and which consist of: potassium oxide (K_2O), the content of which is between 8 and 12% of the total weight, barium oxide, the content of which is between 30 and 36% of the total weight, boric oxide, the content of which is between 4 and 7% of the total weight, silicon oxide, the content of which is between 45 and 50% of the total weight, magnesium oxide, the content of which is lower than 3% of the total weight, and various fluxes about 1%.

2,580,663
VARIABLE-WIDTH WINDOW FAN ASSEMBLY
George A. Delf, Creve Cour, and Glenn A. Delf, University City, Mo.
Application December 16, 1949, Serial No. 133,391
1 Claim. (Cl. 98—94)

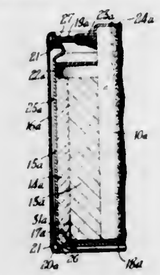
In a window fan assembly, a rotary fan and motor therefor, a casing of fixed dimensions enclosing the fan and motor, a pair of horizontally movable, normally vertically disposed wings, one at each side of said casing, companion flanges on the upper and lower margins of the casing and similarly located flanges on said wings, the

flanges coacting to guide the wings and constrain same to an even horizontal travel incident to their adjusting movements, a two-part toggle or distance arm normally bridging the wings, a pivot pin at the outer end of each part of said arm through which the arm parts are each pivotally connected to an associated wing, each of said arm parts being of an inverted channel section, but one such part being of smaller dimensions such as slidably and snugly to interfit the other said part, said one arm part being provided with an upwardly extended tongue having a flat, normally horizontal terminus, and said other part provided with a linear series of tongue-receiving slots, the said two parts of the arm being adapted for movement, each about its pivot, so as to enable



insertion of the tongue of the one arm part in one of the slots of the other part with the flat terminus of the tongue overlying and abutting the top surface of the companion arm part whereby to limit the divergent toggle movement of the arms to a centered or aligned relation thereof, the inside upper surface of the slotted portion of said other part serving as an internal abutment for the one arm, further to prevent relative movement of the arm parts below horizontal incident to their interconnection, and a slide piece in the form of a rectangular ring, fully embracing one of said arms and slidable over the other said arm when the arms are interconnected, whereby to maintain them in a rigid aligned relation and thus fix the distance adjustment of said wings.

2,580,664
DRY CELL
Arthur P. Drummond, Cleveland, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application May 7, 1946, Serial No. 667,768
2 Claims. (Cl. 136—133)



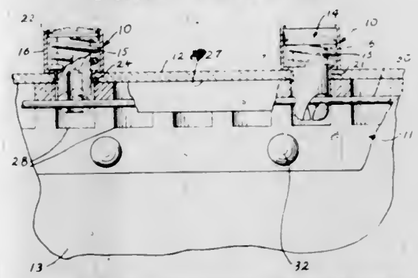
1. In a dry cell having an outer cylindrical electrode, electrolyte and depolarizing material within said outer electrode, a jacket of stiff material having an electrolyte-proof inner surface outside said cylindrical electrode, a closed exudant chamber between said cylindrical electrode and jacket and a metal cover crimped over the top edge of said cylindrical electrode, the combination therewith of the improvement for increasing the volume of said exudant chamber without increasing the over-all dimensions of said cell, said improvement comprising an enlargement in said exudant chamber adjacent the top of the cell above a gas permeable insulating disc which is spaced above the electrolyte and depolarizing materials, said enlargement being formed by the cylindrical electrode being bowed radially inward with the upper edge portion of said cylindrical electrode extending generally horizontally radially outward from said bowed portion, said cover being crimped over said outwardly extending electrode edge, whereby any excess length in said cylindrical electrode may be taken up in said inwardly bowed portion and the enlargement in said exudant chamber made without increasing the outside diameter of the cell or reducing the space in which electrolyte and depolarizing materials may be maintained.

2,580,665
METHOD FOR FORMING PAPER CAN BODIES
Robert M. Dunning and Reynolds Guyer, St. Paul, Minn., assignors to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application June 2, 1945, Serial No. 597,270
11 Claims. (Cl. 93—94)



1. The method of forming a can body which includes the steps of moving a flat sheet of a length equal to that of the can body longitudinally and simultaneously folding the sheet about a longitudinal axis, moving a second sheet longitudinally and simultaneously folding the same about a longitudinal axis, the second sheet being folded about the first sheet, and holding said sheets in tubular form.

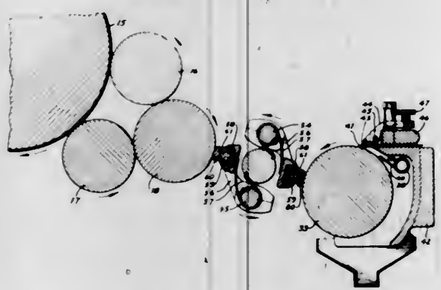
2,580,666
QUICK-ACTING, SELF-LOCKING FASTENER
William Dzus, West Islip, N. Y.
Original application March 10, 1948, Serial No. 14,029, now Patent No. 2,564,101, dated August 14, 1951. Divided and this application October 4, 1949, Serial No. 119,531
1 Claim. (Cl. 24—221)



In a quick-acting fastening device for securing two parts together of the type in which a stud member is engageable with a receptacle member upon the rotation of one with respect to another, a fastener stud assembly comprising a stud having a shank portion with an enlarged circular head at one end and spiral cam fastening means at the other end, a cylindrical retaining cup surrounding the upper end of the stud and having

an inturned flange at the top only partially overlapping the head so as to retain the parts in assembled relationship but so as to afford access to the top of the head and formed with a base portion at its lower end of smaller diameter than the head embracing the shank portion of the stud and having a collar depending from the base portion and of smaller diameter than the cylindrical retaining cup but large enough to permit insertion of the spiral cam fastening means therethrough and surrounding the shank of the stud for attaching the assembly to a part, and a helical spring of smaller diameter than the head surrounding the shank of the stud and disposed inside the cup and extending between the base portion of the cup and the head of the stud so as to normally force the head of the stud into contact with the flange at the top of the cup.

2,580,667
WATER MOTION FOR OFFSET PRESSES
Harry W. Faeber, Larchmont, N. Y., and Orville Dutro and Lyle V. Dutro, La Canada, Calif., assignors to Time, Inc., New York, N. Y., a corporation of New York
Application October 21, 1947, Serial No. 781,120
6 Claims. (Cl. 101—148)



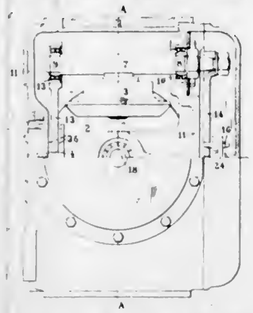
1. Means for transferring liquid between a fountain roller and a distributor roller parallel thereto which comprises a rotatable shaft between and parallel to said fountain roller and distributor roller, a spider on said shaft, a plurality of liquid transfer means on said spider for alternate contact with the peripheries of the fountain roller and the distributor roller, and means to alternately accelerate and decelerate the speed of rotation of the shaft to vary the speed with which the transfer means revolve about the axis of said shaft.

2,580,668
ELASTOMER MOLD SEALING DEVICE
Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 16, 1949, Serial No. 87,952
1 Claim. (Cl. 18—36)



In a molding device, a main mold, two auxiliary mold members which combine with the main mold to form a molding chamber, with said main mold having a passage for admitting a joining material into the bottom of the chamber, one of the auxiliary mold members having a central bore for receiving one of two parts to be joined in the chamber while the other member has a cylindrical portion which fits within the second of the parts to be joined, with the two members being positioned to hold the two parts in proper concentric and axial relation in the chamber, and a pair of sealing members of elastomer material mounted on the ends of the two auxiliary mold members adjacent to the chamber, said sealing members providing a seal for the chamber through elastic deformation of the elastomer material.

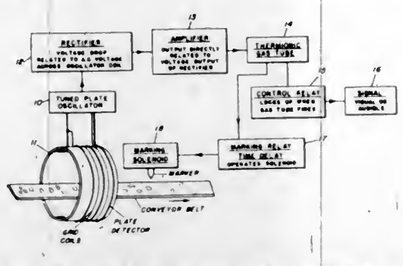
2,580,669
CONTINUOUS CHANGE-SPEED GEAR
Henri Louis Garnier, Courbevoie, France
Application October 29, 1949, Serial No. 124,364
In France May 23, 1949
2 Claims. (Cl. 74—200)



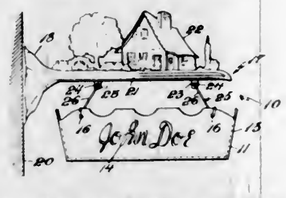
1. A continuous speed changing mechanism comprising a casing, a driving member rotatably mounted on said casing and a driven member rotatably mounted on said casing coaxial with said driving member, said driving and driven members having a concave circular outline adapted for their frictional engagement with shiftable intermediate rollers, a pair of ball-and-socket joints on said casing, on a same line orthogonal to the common axis of said driving and driven members, a pair of support members articulated on said casing through said ball-and-socket joints, a coupling member slidably and pivotally mounted at its middle part on said casing, around a pivoting axis perpendicular to the common axis of the driving and driven members, ball-and-socket joints connecting the ends of said coupling member with respective support members, said intermediate rollers mounted on said respective support members, freely rotatable around an axis perpendicular to the line of the ball-and-socket joints of the considered support-member, said rollers being adapted for frictional engagement with both aforesaid driving and driven members, and means for shifting said support members by equal and symmetrical angles around the lines of their ball-and-socket joints.

2,580,670
METAL DETECTOR
Everett A. Gilbert, Lake Hiawatha, N. J., assignor to Radio Frequency Laboratories, Inc., Boonton, N. J., a corporation of New Jersey
Application June 28, 1948, Serial No. 35,699
12 Claims. (Cl. 175—183)

1. Apparatus for detecting metal bodies in motion and comprising an oscillator having a tuned plate coil magnetically coupled to an untuned grid coil wherein the magnitude of the A. C. voltage across the plate coil changes in proportion to the eddy current losses of a metal body brought into the field of the plate coil; means rectifying the voltage change across the plate coil to produce a unidirectional voltage pulse; means amplifying the unidirectional voltage pulse; normally inactive control means adapted to become activated in response to the amplified voltage pulse; signal means energized in response to the initial activation of said control means; and means effective automatically upon operation of the signal means to cause said control means to again become inactive.



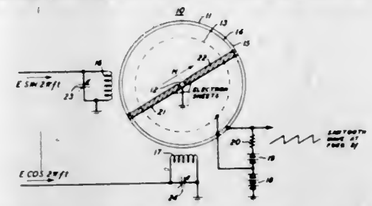
2,580,671
COMBINATION FLOWER BOX AND HOUSE MARKER
Charles Goyette, Pawtucket, R. I.
Application October 7, 1949, Serial No. 120,070
1 Claim. (Cl. 40—128)



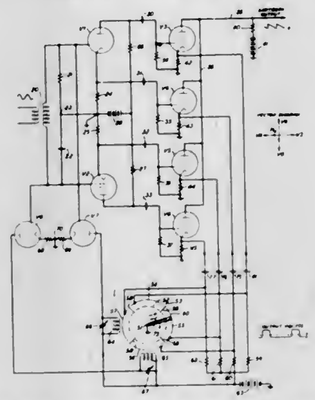
A house marker comprising a rectangular box-like body having side and end walls providing substantially right angularly adjacent surfaces of substantial length on which there is displayed the name of the occupant and street number of a dwelling, said side walls having widely spaced openings therein with the opening in one of said side walls in line with the opening in the other side wall, a bracket having widely spaced lugs depending therefrom, bails attached to said lugs and depending therefrom with the arms of said bails extending laterally at equal distances from the sides of said bracket and engaging said openings whereby to suspend said body from said bracket centrally thereof, said pairs of openings in each of said side walls being spaced a distance greater than the spacing between said lugs whereby each of said bails depend from said bracket at a substantial angle to the vertical.

2,580,672
SAW-TOOTH GENERATOR AND SYSTEM UTILIZING IT
Robert E. Graham, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 14, 1947, Serial No. 785,966
3 Claims. (Cl. 178—69.5)

1. A television system including transmitting and receiving stations and a transmitting path between them, a master sine wave oscillator at each of said stations, a cathode ray tube at each station, means comprising a rotating electron beam tube at each station for deriving from sine waves produced by the oscillator at that station saw-tooth waves for controlling the scanning of the cathode ray tube thereat, and means for phase-locking said oscillators.



2,580,673
SAW-TOOTH GENERATOR AND SYSTEM UTILIZING IT
Robert E. Graham, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 14, 1947, Serial No. 785,967
7 Claims. (Cl. 250—27)

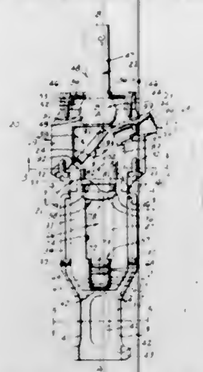


1. Means for producing saw-tooth waves from sine waves comprising means for producing four sine waves of the same frequency each displaced in phase 90 degrees from the immediately preceding one, means for commutating between similar quarter wave sections of each cycle of each of the four waves, each of the quarter wave sections being taken from a point 45 degrees before the wave from which the section is taken crosses its axis of symmetry to a point 45 degrees after the said wave crosses this axis, and means for applying said commutated quarter-wave sections to a single saw-tooth wave utilization device.

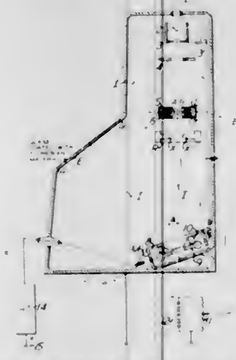
2,580,674
DEVICE FOR DETERMINING THE AXIS OF ROTATION OF ROTATABLE ELEMENTS
Richard Stanley Griffin, Glendale, Calif.
Application September 29, 1945, Serial No. 619,321
14 Claims. (Cl. 33—46)

1. In a centering device for locating the axis of rotation of a rotatable article, the combination of: a first member adapted to be rigidly connected to the article so as to be rotatable therewith; a second member providing a reference line; cardanic means connecting said second member to said first member and providing a driving connection therebetween, said cardanic means providing for relative pivotal movement between said members in all transverse direc-

tions with respect to the axis of rotation of the article and means on said second member and engageable by an operator to restrain said second member during rotation of said members by the article to cause said reference line to generate a conical surface of revolution having its apex on the axis of rotation of the article.



2,580,675
CORRECTION DEVICE FOR MICROSCOPES OF THE REFLECTION MIRROR TYPE
Pierre Grivet and François Bertein, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application June 16, 1948, Serial No. 33,263
In France June 26, 1947
4 Claims. (Cl. 250—49.5)



1. In an electronic microscope, the combination comprising an electron beam producing means, a lens constituting an objective of the microscope located in the path of the beam, a mirror positioned for receiving and reflecting the incident beam and inclined relatively to the axis of said beam, a system of electrodes arranged beyond said lens in a plane perpendicular to the axis of the incident beam and symmetrical with respect to said axis and when energized acting to correct aberrations introduced by the inclination of the mirror, and means for applying a suitable tension to said electrodes.

2,580,676
BOTTLE RACK
Arthur R. Gross, St. Paul, Minn.
Application August 13, 1948, Serial No. 44,000
1 Claim. (Cl. 211—74)

A rack for holding cross-sectionally circular bottles of given dimensions comprising a generally vertical front wall having a plurality of circular bottle-receiving apertures, and a back stop wall element in spaced parallel relation to said apertured wall, each of the apertures being of a diameter to admit the base and maximum diameter body portions of one of said bottles, the spacing of said apertured wall and said back stop wall element with respect to the length and shape of the bottles being such that the upper and lower circular edge portions of said apertures engage said bottles outwardly of the centers of gravity thereof, whereby said bottles will tilt downwardly within said rack, the bases of said bottles engaging said vertical back stop wall element, said upper and lower edge portions of the apertures and said vertical wall element constituting the sole means of support for said bottles.

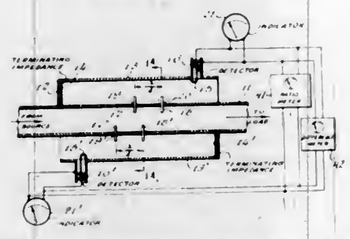


2,580,677
VEHICLE SWITCH FOR BACK-UP WARNING
Benjamin H. Hadley, Pomona, Calif.
Application October 13, 1945, Serial No. 622,116
7 Claims. (Cl. 200—52)



6. In a back-up warning switch adapted for connection to a speedometer drive connection of a vehicle, said drive connection providing a rotary member rotatable in forward and reverse directions upon forward and reverse movement of said vehicle, and adapted to energize a circuit intermittently during movement only in such reverse direction, said switch including in combination: a housing attachable to said speedometer drive connection and providing a chamber; a shaft journalled in said housing and extending into said chamber, said shaft being adapted for connection to said rotary member to turn therewith in forward and reverse directions; an intermittent switch in said chamber and comprising a stationary contact, a movable contact, a contact arm carrying said movable contact, and a cam carried by said shaft for moving said contact arm to engage said movable and stationary contacts intermittently during rotation of said shaft in said forward and reverse directions; a control switch in said chamber, said control switch including a stationary control contact, a movable control contact, and a stop means, said movable control contact being disposed to move between said stationary control contact and said stop means, said control switch including an auxiliary control contact engageable with said movable control contact before the latter engages said stationary control contact whereby said movable control contact bridges between and electrically connects said auxiliary control contact and said stationary control contact; friction drive means for connecting said shaft to said movable control contact to move same into engagement with said stationary control contact during reverse movement of said shaft and to move same into engagement with said stop means upon forward movement of said shaft; and means for serially connecting said contacts of said intermittent switch and said control contacts of said control switch.

2,580,678
HIGH-FREQUENCY MEASURING APPARATUS
William W. Hansen and Theodore Moreno, Garden City, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application September 17, 1943, Serial No. 502,734
3 Claims. (Cl. 171—95)



1. High frequency apparatus comprising a first uniconductor wave guide adapted to be coupled to a source at one end and to a load at the other end, a second uniconductor wave guide extending along a portion of said first guide, a plurality of pin antennae couplings electromagnetically coupling said two guides together at points mutually spaced apart a distance substantially equal to a quarter-wavelength in said first guide at a frequency in the operating range of said apparatus, said pin antennae couplings all serving to transfer energy to said second wave guide in the same phase sense, and means terminating said second wave guide in substantially reflectionless manner at one end thereof, whereby the output derived from other end of said second wave guide is responsive to power flowing in said first wave guide only in one direction.

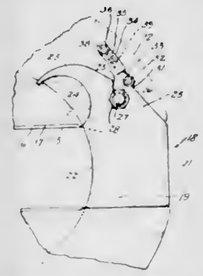
2,580,679
HIGH-FREQUENCY DIRECTIONAL COUPLER APPARATUS
William W. Hansen, Stanford University, Calif.; Olive D. Ross, executrix of said William W. Hansen, deceased, assignor to The Sperry Corporation, Great Neck, N. Y., a corporation of Delaware
Application August 16, 1946, Serial No. 690,986
4 Claims. (Cl. 171—95)

1. Apparatus for monitoring a main high-frequency energy-conductor adapted to be coupled to an energy source at one end, comprising a first auxiliary conductor coupled to said main conductor at two points spaced along said main conductor by substantially a quarter wavelength at the operating frequency, terminating means for terminating said auxiliary conductor in substantially reflectionless manner at one end thereof, said points of coupling being between said one main conductor end and said one auxiliary conductor end, whereby the remaining end of said auxiliary conductor is excited substantially only by waves in said main conductor flowing toward said one end of said main conductor, a second auxiliary conductor coupled to said main conductor at two spaced points therealong separated by substantially a quarter wave-



length at said operating frequency, means terminating said second auxiliary conductor in substantially reflectionless manner at the end thereof between said one end of said main conductor and said points of coupling, whereby the remaining end of said second auxiliary conductor is excited substantially only by waves in said main conductor travelling away from said one main conductor end, and output means coupled to the remaining ends of said two auxiliary conductors.

2,580,680
SAFETY GUARD FOR POWER-DRIVEN PIPE TONGS
Fred J. Hillman, Bakersfield, Calif., assignor to Hillman-Kelley, Los Angeles, Calif., a partnership
Application December 29, 1947, Serial No. 794,240
10 Claims. (Cl. 81—53)



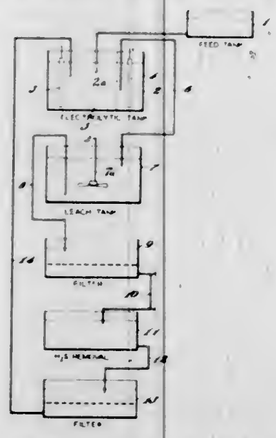
1. In combination with power driven pipe tongs having a housing formed with a throat to be traversed by a pipe as it assumes a position to be gripped at the center of the housing, said housing providing upper and lower walls enclosing a rotary member carrying pipe gripping means and being formed with a throat which may register with the throat in the housing to accommodate the pipe to be gripped: a safety guard comprising a channel-shaped guard member comprising plates joined by a web and adapted to span the throat of the housing with said plates overlapping said upper and lower walls while the web of the guard closes the end of the throat; means pivotally mounting the safety guard upon the housing whereby it may swing outwardly to an unobstructing position; and means between the housing and the guard to temporarily hold the guard in either of its extreme positions.

2,580,681

METHOD OF TREATING THE ELECTROLYTE IN THE ELECTRODEPOSITION OF IRON

Erich H. Konrad, South Strafford, Vt., and Warren H. Kaye, Lawrence, Mass., assignors to Sulphide Ore Process Company, Inc., New York, N. Y., a corporation of Delaware

Application August 24, 1948, Serial No. 45,967
6 Claims. (Cl. 204—113)



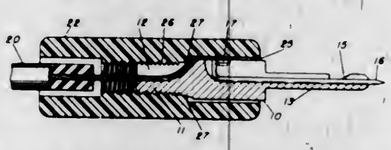
1. Method of treating the anolyte in the electro-deposition of iron, which anolyte has a pH of 1.2 to 2.0 and contains 35 to 100 grams per liter of iron in ferric condition, comprising contacting the anolyte with an excess of an acid soluble iron sulphide ore containing another metal whose sulphide is insoluble in said anolyte after the ferric ions have been reduced to ferrous ions, such excess of ore being sufficient to completely reduce all ferric iron present in the anolyte to ferrous iron and to subsequently react with the free acid present in the anolyte to form hydrogen sulphide, dissolving the iron and other metals soluble in the anolyte and continuing the leaching of the ore by the anolyte until the ferric iron is completely reduced to ferrous iron and hydrogen sulphide is then formed from the free acid and precipitates the other metal as insoluble sulphide, separating the resulting mixture of solution and solids, treating the solution portion therefrom to remove the hydrogen sulphide and the free sulphur content, and returning the clear solution as catholyte to the electrolytic cell.

2,580,682

ELECTRICAL TEST PROD

Russell E. Kraft, Parsipany, and George Washington, Jr., Morristown, N. J., assignors to United Technical Laboratories, Morristown, N. J., a partnership

Application November 15, 1949, Serial No. 127,402
2 Claims. (Cl. 173—273)



2. An electrical test prod comprising a tubular shell of insulating material having an internally-threaded section proximate to one end; an enlarged-diameter bore in one end of the shell said bore communicating with the internally-threaded section; a unitary metallic member having an externally-threaded inner end that is threaded into the threaded section of the shell, a central section disposed within the said bore, and a uniform, reduced diameter tip section extending outwardly of the shell; a radial slot in the threaded end of the metallic member, a lead wire extending from the other end of the shell said lead wire having an end disposed within the radial slot in the threaded end of the metallic member and clamped between the central section of the metallic member and the bottom wall of the said enlarged-diameter bore; a longitudinal groove extending the full length of the said tip section and partially into the central section of the metallic member; a pair of transverse, alined notches in the opposed side walls formed by the groove of the tip section; and a spring wire having an end secured to the central section of the metallic member and a pointed end extending beyond the said tip section, said wire having a central portion disposed within the groove in the tip section and the diameter of the wire being substantially equal to the radial depth of the groove in the said tip section.

2,580,683

CAPSULES FILLED WITH AQUEOUS SOLUTIONS AND METHOD OF PREPARING THE SAME

Pieter Kreuger, Bussum, Netherlands, assignor to N. V. Moutsuikerindustrie & Extractiebedrijf Maltostase, Weesp, Netherlands, a corporation of the Netherlands

No Drawing. Application January 6, 1948, Serial No. 813. In the Netherlands January 11, 1947
11 Claims. (Cl. 99—165)

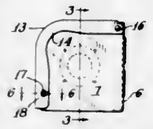
1. A stable gelatin capsule inclosing an aqueous solution having hygroscopic material present in a quantity of a magnitude preventing deterioration of the capsule by the aqueous constituent of the solution.

2,580,684

PAPER DISPENSER

Benjamin F. Lacy and Fred O. Reichardt, Columbus, Ohio, assignors to Pollock Paper Corporation, Dallas, Tex., a corporation of Texas

Application June 3, 1949, Serial No. 97,006
1 Claim. (Cl. 242—55.2)



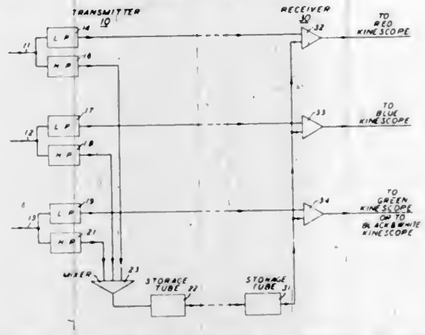
A device for holding and dispensing paper from a roll wound upon a tubular core, said device being formed with an open bottom and composed of a sheet of relatively thin metal blanked and formed to provide a back section and an integral pair of flexible end walls projecting in substantially spaced parallel relation from said back section, the upper and lower edges of said back section being turned inwardly to provide reinforcing flanges, said back section including intermediate portions thereof pressed outwardly to form mounting bosses formed with key slots, a second sheet of metal blanked and formed to provide a cover composed of a top and front section and including flanges formed on their opposed ends adapted to enclose the top and front edges of said side walls and to limit outward flexing of the latter, said cover flanges being formed with apertures adapted for engagement with protuberances formed on said end walls, the top of said cover being pivotally connected to said end walls adjacent said back section and the lower free edge of said front section being serrated adjacent said end walls, and a pair of opposing cylindrical trunnions rigidly secured on the inner faces of said end walls and adapted to extend within and serve as journals for said tubular core, said device being adapted to receive a roll of paper when said cover is elevated from engagement with said side walls and the side walls flexed outwardly to permit insertion of said trunnions into said tubular core.

2,580,685

COLOR TELEVISION WITH REDUCED BAND WIDTH

Robert C. Mathes, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 30, 1949, Serial No. 136,064
6 Claims. (Cl. 178—5.2)



1. In a multicolor television system in which there are separate signals each representative of an individual color component of a television image, means for separating from each other the high and low frequency components of each of said color components, means for mixing the high frequency components of each of the color components, means for transmitting the low frequency components of each of the color components at one repetition rate, means for transmitting said mixed high frequency components at another, reduced, repetition rate, means at the receiving station to restore said mixed high frequency components to their original repetition rate, and means at the receiving station to combine said restored-rate mixed high frequency components with at least one of the low frequency color components so as to yield a composite high and low frequency signal.

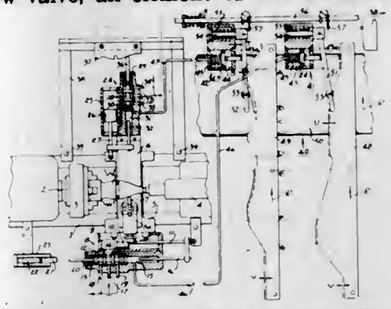
2,580,686

HYDRAULIC SYSTEM COMPRISING A SERVOMOTOR OF THE FOLLOW-VALVE TYPE AND IMPROVED CONTROL MEANS THEREFOR

Edward M. May, Detroit, Mich., assignor to Meco-Pilot Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application December 3, 1949, Serial No. 131,025
5 Claims. (Cl. 121—45)

1. The combination of a hydraulic servo-motor having a follow-valve; means for supplying pressure fluid to the motor under control of its follow-valve; and means for actuating the follow-valve comprising a hydraulic transmitter, mechanical means for operating the transmitter, a hydraulic receiver having a piston arranged to move the follow-valve, conduit means and a body of liquid therein operatively interposed between the transmitter and the receiver to transfer transmitter movement to the receiver and its piston and thereby apply moving force to the follow-valve, an element of the means for applying the said moving force to the valve being constructed to yield under predetermined stress, and unyielding mechanical means arranged for engagement with the valve structure and operable when so engaged to apply to the valve a moving force induced by movement of one of the two power elements of the motor in opposition to the force of the hydraulic transmitter.

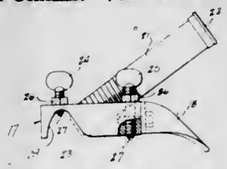


2,580,687

MOUNT FOR CANDLESTICK LUBRICATORS FOR CAR AND LOCOMOTIVE WHEEL FLANGES

Charles E. McMillan, Alton, Ill.

Application March 25, 1949, Serial No. 83,384
4 Claims. (Cl. 184—3)



1. A car wheel lubricator comprising a mount adapted to be fixedly positioned above and adjacent to a flanged car wheel, said mount being provided with a longitudinally extending groove on its under surface thereof adjacent one end thereof and adapted to embrace the flange of the car wheel, an open ended tubular magazine having one end extending through said mount and in communication with said groove and fixedly supported in said mount for holding a stick of lubricant, the other open end of said magazine projecting above and terminating at a point spaced from said mount, a closure cap closing the other open end of said magazine, and an anti-friction bearing element positioned in said groove adjacent its top and fixedly supported in said mount and adapted to engage the adjacent portion of the wheel flange.

2,580,688

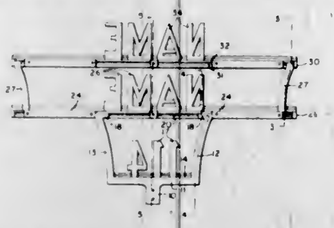
SIGN

Carrell S. McNulty and Carrell S. McNulty, Jr., Westport, Conn.

Application July 30, 1948, Serial No. 41,675
1 Claim. (Cl. 40—141)

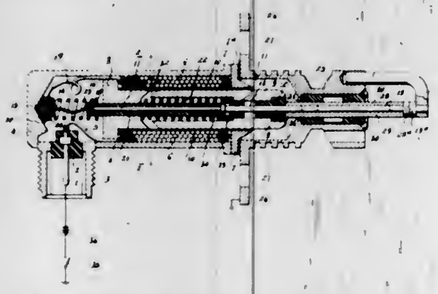
A sign comprising a supporting element having a base member thereon, a groove in the base member, indicia having a flange adapted to be

received in the groove, a cover plate secured to the element to clamp the flange on the indicia in the groove, upwardly extending arms at the ends of the supporting element and formed with flanges lying parallel to the supporting element, a supporting plate having a plurality of grooves formed therein, second indicia having a flange, a plurality of second supporting arms having flanges at the ends thereof, a cover plate to secure



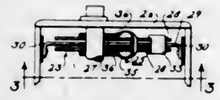
the flanges at one end of the second arms to the plate and to secure the flanges of the second indicia to the said plate, a second supporting plate having a groove therein to receive the flanges on the other ends of the second arms, a second cover plate to secure the last named flanges to the groove of the second plate, and third indicia having flanges adapted to be secured to the second plate.

2,580,689
MAGNETICALLY FIRED IGNITION DEVICE
John V. McNulty, Norwich, N. Y., assignor to General Laboratory Associates, Inc., Norwich, N. Y., a corporation of New York
Application November 16, 1948, Serial No. 60,262
3 Claims. (Cl. 123—154)



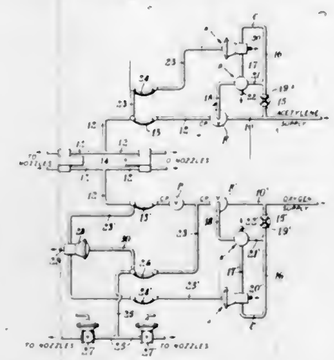
1. A sparking device comprising a solenoid having an axial core opening, a movable, tubular core member comprising magnetic material and extending along the axis of the solenoid and into the opening from one end of the latter, said core member having its inner end normally within the solenoid and being adapted to be attracted further into the solenoid, a fixed core member of magnetic material extending into the opening of the solenoid from the other end of the latter, said core members being disposed to provide an air gap between their inner ends inside the solenoid opening when the movable core member is in its aforesaid normal position, a fixed spark electrode mounted outside the solenoid and beyond the outer end of the movable core member, a movable spark electrode normally disposed in contact with the fixed electrode and having an operating rod extending from said movable electrode into said movable, tubular core member, means for resiliently urging said movable electrode against said fixed electrode, said rod having an enlarged portion within the tubular core member and the tubular core member having internal shoulder means adapted to engage said enlarged portion, said shoulder means being spaced from the enlarged portion, when the tubular core member is in its said normal position, by a distance shorter than said gap, so that upon inward magnetic attraction of the movable core member inside the solenoid opening toward the fixed core member, the movable core member and its shoulder means first travel said distance and then the shoulder means engages the enlarged portion of the rod to separate the movable electrode from the fixed electrode.

2,580,690
RADIO APPARATUS
John J. Merklinger, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 31, 1946, Serial No. 673,226
3 Claims. (Cl. 250—20)



3. For radio condensers of the type including a pair of parallel relatively spaced rotor plates having a natural period of vibration within the audio frequency range, a device for imparting to the plates such stiffness in relation to their mass as to prevent said plates from vibrating within such range, said device consisting of a pair of parallel relatively spaced and interconnected yieldable leg members provided with high friction material, one of said members disposed to overlie a portion of one face of one of said plates, the other of said members disposed to overlie a portion of one face of the other of said plates, and said material being disposed to contact said portions to provide retaining means for said device.

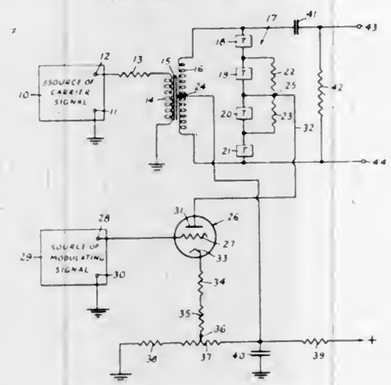
2,580,691
FLUID CONTROL SYSTEM
Alfred J. Miller, Garwood, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 22, 1945, Serial No. 584,151
15 Claims. (Cl. 50—1)



1. A fluid control system comprising in combination a fluid supply conduit, a valve for said conduit, pressure responsive mechanism for opening said valve on application of pressure and for closing it on release of pressure, a source of fluid pressure, a pilot pressure regulator for supplying

substantially static pressure to said mechanism from said pressure source for holding said valve open, means responsive to pressure in said conduit downstream from said conduit valve for closing the supply of static pressure from said regulator to said mechanism in response to a predetermined low pressure and for venting pressure from said mechanism to close said valve, a by-pass between said regulator and mechanism around said pressure responsive means, and a valve means selectively controlling said by-pass whereby substantially static pressure may be supplied to said mechanism from said regulator independently of said pressure responsive means, or substantially static pressure may be supplied to said mechanism from said regulator through said pressure responsive means.

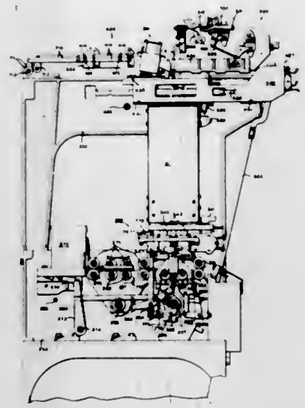
2,580,692
MODULATION SYSTEM
William West Moe, Stratford, Conn., assignor to Time, Incorporated, New York, N. Y., a corporation of New York
Application August 3, 1940, Serial No. 108,290
6 Claims. (Cl. 332—47)



1. In a signal modulation system, the combination of voltage divider means having input terminals adapted to be energized by one signal and comprising a fixed impedance and a variable impedance in series, said variable impedance including elements having impedances that vary as a function of the intensity of the current flowing therethrough, means for causing to flow through said impedance elements current which varies as a function of another signal, whereby the signal developed across said variable impedance will be a function of said two signals, and output terminals connected to receive a voltage that is a function of the portion of said one signal developed across said variable impedance.

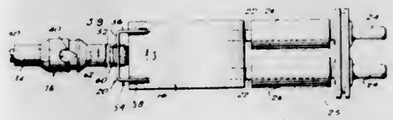
2,580,693
COMBINED TABULATOR AND SUMMARY PUNCH
John Mueller, deceased, late of North Bergen, N. J., by Anna Whittaker, administratrix, North Bergen, N. J., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application June 10, 1948, Serial No. 32,156
53 Claims. (Cl. 235—61.1)

3. In a combined tabulator and summary punch, the combination of a sensing bar advanced to differential positions under control of the tabulator mechanism, a restoring bar for said sensing bar, a gag bar connectable with said sensing bar differentially by pawl and ratchet and set by the return of said sensing bar, a lock to prevent advance of said sensing bar, a release for said lock acting only on certain



cycles of the tabulator, punching mechanism set up by said gag bar, and a clearing device to trip said pawl to free said gag bar from said sensing bar after the punching mechanism has been so set up.

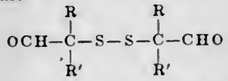
2,580,694
DUAL STYLUS PHONOGRAPH PICKUP
David J. Munroe, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application April 9, 1949, Serial No. 86,474
8 Claims. (Cl. 179—100.41)



1. A phonograph pickup, including in combination, a resiliently mounted movable driving element having a tongue-like portion, an electromechanical transducer adjacent the tongue-like portion, and means including a unitary U-shaped element having spaced arms secured to and partially encircling said transducer and having also an apertured bight into which said tongue-like portion is insertable for coupling said driving element to said transducer.

2,580,695
ALPHA,ALPHA'-DITHIODIALDEHYDES
Warren D. Niederhauser, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 1, 1950, Serial No. 198,739
3 Claims. (Cl. 260—601)

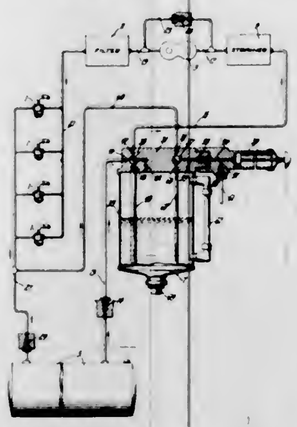
1. Alpha,alpha'-dithiodialdehydes having the general formula



in which R in both occurrences is the same alkyl group of one to eighteen carbon atoms and R'

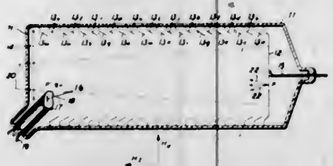
in both occurrences is a member of the class consisting of alkyl groups containing one to eighteen carbon atoms and aryl groups.

2,580,696
ENGINE FUEL SYSTEM
Joseph N. Novak, Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 13, 1945, Serial No. 627,988
11 Claims. (Cl. 158—36.4)



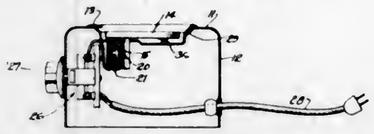
1. A fuel system including a fuel tank, a fuel injector having a fuel supply connection connected to the fuel tank and including a fuel pump and a separator tank, said separator tank having a fuel inlet passage extending downwardly from the upper portion to the lower portion, and a fuel outlet passage in the upper portion to separate impurities from the fuel and evacuating pump means having a suction connection communicating with the lower portion of the separator tank and a discharge passage for evacuating separated impurities from the separator tank and for drawing fuel therein.

2,580,697
IMAGE DISSECTOR TUBE
Bernard M. Oliver, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1949, Serial No. 102,296
9 Claims. (Cl. 313—106)



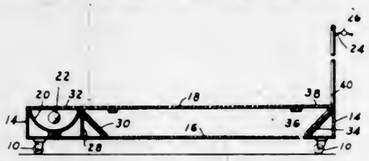
1. A cathode-ray television transmitter tube of the type wherein an electron beam of relatively large cross-sectional area compared with the size of an elemental area of an object to be televised is formed, comprising a photoelectric cathode for emitting electrons to be formed into said beam, a pick-up electrode upon which electrons from said beam are caused to strike, and means mounted inside the tube and including a plurality of axially spaced frustro-conically-shaped rings for accelerating said beam towards said electrode.

2,580,698
ELECTRIC HOT PLATE
Henry S. Perlman, Chicago, Ill., assignor, by mesne assignments, to Henry S. Perlman and Paul E. Perlman, doing business as Hill-Shaw Company, Chicago, Ill., a copartnership
Application October 22, 1949, Serial No. 122,989
1 Claim. (Cl. 219—37)



An electrical hot plate comprising a casing provided with a cup accommodating opening in the top wall thereof, a cup seated in said opening provided with a supporting flange overlying the marginal portion of the top wall surrounding the opening and having an aperture in the bottom off-set from the center thereof for accommodating the upper end portion of an outlet receptacle, an outlet receptacle secured to the lower surface of the cup and provided with enclosed contacts and having receiving openings in the upper end thereof for insertion into contact with said contacts of the terminals of an annular plug-in heating element placed within the cup, said receptacle being provided with an upstanding flange surrounding said receiving openings and projecting upwardly through said aperture in the bottom of the cup, an annular plug-in heating element provided with downwardly projecting terminals off-set from the center thereof and adapted for insertion in the receiving openings of said receptacle, the relation of the length of said terminals to said flange being such as to preclude the contact of the fingers of a user with said terminals when the latter are in contact with the contacts of the receptacle in positioning the heating element in or in removing the same from operative position within the cup, means in the cup engaging the heating element adjacent the terminals thereof for limiting downward movement of the element within the cup, and depending studs carried by the heating element for engaging the bottom of the cup at points remote from said stop means and cooperating therewith for supporting the element in stable relation within the cup and in spaced relation with respect to the bottom of the cup to enable the manual grasping of the annular element by insertion of the user's fingers through the central opening of the element for lifting the element from the cup.

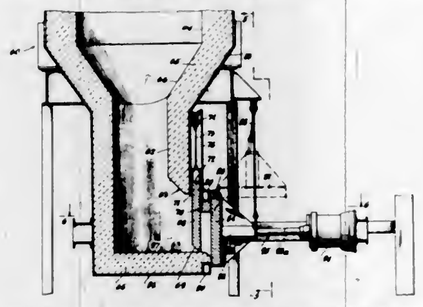
2,580,699
APPARATUS FOR VIEWING THE UNDERCARRIAGE OF A VEHICLE
Henry V. Pfetzing, Jackson, Mich., assignor to Kent-Moore Organization, Inc., Detroit, Mich., a corporation of Michigan
Application November 17, 1948, Serial No. 60,562
5 Claims. (Cl. 240—2.18)



4. An undercarriage viewing instrument comprising, in combination, a generally elongate trapezoidal-shaped flat box-like frame provided

with means supporting the same upon a floor for sliding movement thereover, a reflector trough at the wide end of the frame extending transversely thereof, light emitting means associated with the trough to project a laterally elongated parallel light beam upwardly and transversely with respect to the frame, an elongated upwardly facing mirror disposed adjacent and parallel to the reflector trough and substantially coextensive therewith transversely of the frame, a second mirror disposed at the opposite end of the frame facing the first mirror and facing upwardly, said first mentioned mirror having a substantially greater length than the last mentioned mirror.

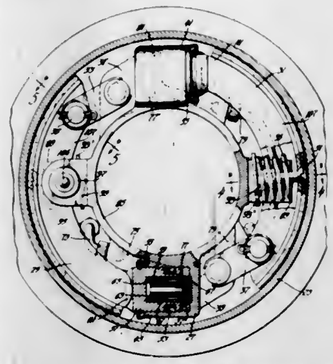
2,580,700
FURNACE DISCHARGE APPARATUS
Norman W. F. Phillips, Arvida, Quebec, Canada, assignor to Aluminium Laboratories Limited, Montreal, Quebec, Canada, a corporation of the Dominion of Canada
Application September 21, 1950, Serial No. 185,948
15 Claims. (Cl. 23—277)



1. In a furnace, apparatus for discharge of mobile material therefrom, comprising refractory-faced means providing a gate opening, a gate removably closing said opening and comprising a body of refractory material adapted to face the interior of the furnace and to adjoin the refractory facing of said first-mentioned means when the gate is in closed position, said gate being movable away from the opening, metallic structure exteriorly enclosing said first-mentioned means and said gate in closed position, to seal the opening against communication with the atmosphere, said metallic structure comprising door-receiving means sealed to the furnace around the first-mentioned means, and a door disposed in registration with the opening and normally closed in sealed relation with said door-receiving means, said door being shiftable to an open position, and said door-receiving means being substantially spaced from the path of material to be discharged through the opening, in all directions transversely of said path.

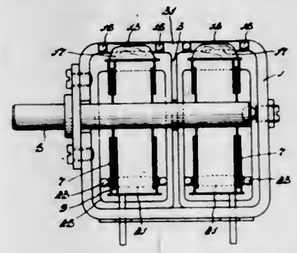
2,580,701
BRAKE
Olaf Rasmussen, Port Clinton, and Richard C. Rike, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 23, 1945, Serial No. 630,226
4 Claims. (Cl. 188—152)

1. In a brake, a small drum, a plurality of brake shoes within said drum to engage its internal surface, an anchor plate, an anchor extension, a pair of longitudinal flanges on each shoe, one flange being adjacent said anchor plate and the other remote from said anchor plate, a pair of wheel cylinders on said anchor extension between said shoe ends, piston means in said cylinders engaging a pair of said flanges to spread said shoes, spring means positioned between said



flanges and mounted on said anchor extension and secured to said shoes to retract said shoes, lateral positioning spring means mounted on said anchor extension and engaging the remote side of said remote flange to hold it in contact with said anchor plate.

2,580,702
VARIABLE CAPACITOR
Jan Dirk Repko, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 16, 1950, Serial No. 144,472
In the Netherlands February 18, 1949
5 Claims. (Cl. 175—41.5)

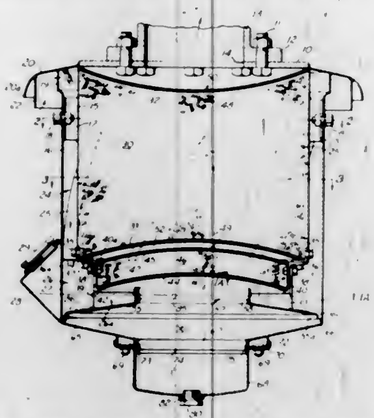


1. A stator mounting for a variable capacitor comprising a housing, a transversely flattened rod-shaped member supporting a stator assembly, and a ball of insulating material interposed between one end of the rod-shaped member and the housing thereby clamping the same with the housing.

2,580,703
AIR CLEANER OF THE OIL-BATH TYPE
Kenneth F. Russell, Claremont, Calif., assignor to Herman H. Garner, Claremont, Calif.
Application January 31, 1947, Serial No. 725,672
15 Claims. (Cl. 183—15)

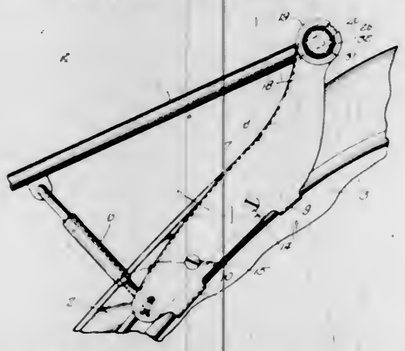
1. In combination in an air cleaner of the oil-bath type: inner wall means providing an elevated filter chamber of relatively large cross section; outer wall means spaced from said inner wall means and providing between them a chamber constituting an intake passage for incoming air, there being an oil entrainment zone below and connecting said chambers; oil storage means

below said entrainment zone and providing an oil supply zone; a barrier wall between said entrainment zone and said oil supply zone, said barrier wall having a relatively large opening elevated with respect to said oil supply zone and disposed beneath a portion of said filter chamber and adapted to pass large proportions of oil descending from said filter chamber directly



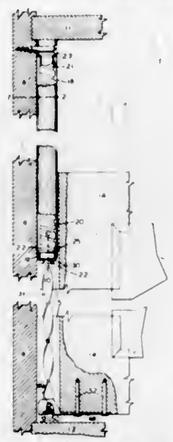
through said opening into said oil supply zone to provide an oil head, a peripheral oil inlet passage being provided below said opening for movement of oil under said head from said supply zone to said entrainment zone at an edge of said barrier wall remote from said opening; and means providing for movement of cleaned air from the upper portion of said filter chamber.

2,580,704
AUTOMOBILE AWNING SUPPORT
Huntington R. Schlagel, Des Plaines, Ill., assignor to Charles Peckat Manufacturing Company, Maywood, Ill., a corporation of Illinois
Application October 25, 1947, Serial No. 782,074
6 Claims. (Cl. 248—278)



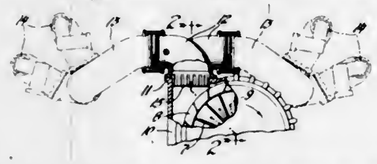
1. An awning support for supporting one end of an awning in the desired position with respect to the windshield of an automobile having drain gutters adjacent said windshield, comprising a sheet metal bracket having means for adjustably and detachably securing it to a drain gutter, one end of said bracket having a head formed on one of its side faces with a depression, said head having a slot extending from its edge into said depression and adapted to receive a projecting end of an awning rear rod, an annular collar adapted to be mounted on said rod projecting end and enter into said depression, and means for clamping said collar in said depression to prevent said rod end from being moved laterally outwardly through said slot, said collar having axially opposite parallel bearing faces.

2,580,705
SASH BALANCE
Dewitt Tappan, Irondequoit, N. Y.; Ada I. Tappan and Harold S. Wynn executors of said Dewitt Tappan, deceased
Application September 25, 1948, Serial No. 51,171
18 Claims. (Cl. 16—197)



1. A sash balance comprising, an elongated rod having opposed spiral convolutions and adapted to be secured to a window sash, a helical spring in which torsional force may be stored having one end secured against rotation, a tubular adapter one end of which is secured to the opposite end of said spring, said adapter having opposed openings extending inward from the end opposite said spring, each of said openings having a notch formed in one side thereof, a nut receivable in said openings of said tubular adapter, said nut having opposed bearing surfaces engaging the opposed spiral convolutions of said rod to cause rotation of said nut in accordance with the longitudinal movement of said rod, and said nut having portions adapted to be biased into engagement with the notches in the sides of said openings in said tubular adapter by the torsional force of said spring.

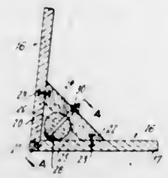
2,580,706
FUEL SUPPLY SYSTEM
Milton A. Trisler, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 22, 1946, Serial No. 711,596
3 Claims. (Cl. 123—52)



1. In an internal combustion engine with a plurality of cylinders, a conduit with a plurality of branches, said branches being connected to said cylinders, a centrifugal supercharger having an impeller connected to said conduit, a divider

member positioned in said conduit, said divider member having a plurality of pockets positioned symmetrically about the longitudinal axis of the divider, a passage connecting each of said pockets to one of said branches, the longitudinal axis of said divider being in the central plane of said supercharger impeller, and said divider having a width at least half the width of said supercharger impeller.

2,580,707
CHAIR OF KNOCKDOWN TYPE
Norman R. Underhill, Webster Groves, Mo.
Application September 16, 1949, Serial No. 116,103
9 Claims. (Cl. 155—196)



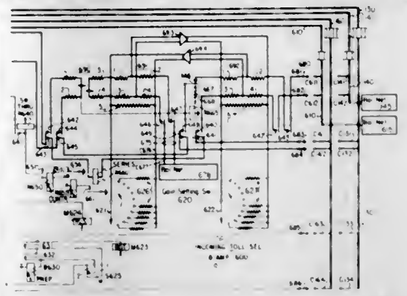
9. Means for connecting a leg and a back post member of a chair with a substantially rectangular seat supporting frame comprising a brace member having opposed ends and extending between two adjacent sides of said frame adjacent a corner thereof, means connecting each end of said brace member with one of said sides, respectively, said brace member having a recess formed in a side thereof intermediate said ends, said recess facing said corner, means connecting one end of said leg to said brace member within said recess and within the space defined by said adjacent sides and said brace member, and means extending transversely of said brace member and penetrating one end of said post member to secure said post member to said brace member.

2,580,708
ART OF MAKING BONDED ARTICLES AND COMPOSITION THEREFOR
Walter L. Wallace, Niagara Falls, and Norman P. Robie, Lewiston, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application April 28, 1947, Serial No. 744,516
14 Claims. (Cl. 25—156)

8. A composition for molding ceramic bonded articles comprising a distributable mass of pressure-moldable granules in which each of a majority of the individual granules comprises a nonplastic, inorganic granular nucleus largely surrounded by particles of pulverized ceramic bonding material attached to the nucleus by an organic temporary binder consisting of a resinous rosin derivative, a coumarone-indene resin, and a pine oil solvent.

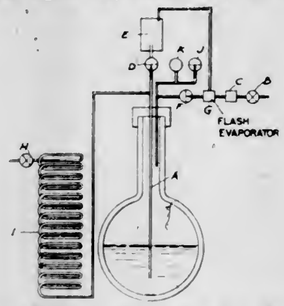
2,580,709
TOLL SWITCHING TELEPHONE SYSTEM HAVING AUTOMATIC AMPLIFIER INSERTION AND GAIN SETTING
John Wicks, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 14, 1947, Serial No. 786,123
7 Claims. (Cl. 179—18)

1. In a telephone system, an incoming trunk, a plurality of lines, an automatic switch comprising a line relay normally connected to said incoming trunk, switching mechanism having access to said lines, a switch relay, an amplifier, a switch-through relay, means including said line relay responsive to a digit transmitted over said incoming trunk for selectively operating said switching mechanism to select one of said lines, means responsive to operation of said switching mechanism to select one of said lines for operating said switch relay, means responsive to operation of said switch relay for disconnecting said



line relay from said incoming trunk and for connecting said incoming trunk to said switching mechanism and thus to said one line, means responsive to a control received over said one line for operating said switch-through relay, and means responsive to operation of said switch-through relay for inserting said amplifier in said connection between said incoming trunk and said switching mechanism.

2,580,710
LIQUID OXYGEN CONVERTER
William A. Wildhack, Arlington, Va.
Application February 13, 1946, Serial No. 647,411
18 Claims. (Cl. 62—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928: 370 O. G. 757)

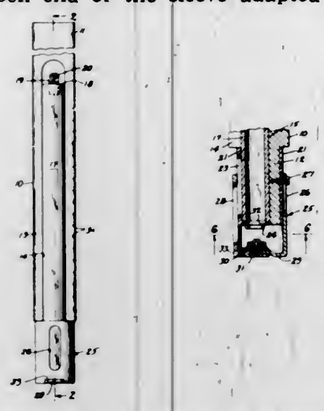


5. A pressurizing apparatus for liquefied gas systems comprising an insulated container, an evaporator unit for developing pressure in said apparatus, a tube connecting the liquid phase section in the container to said evaporator unit for conveying liquid thereto, a check valve in said tube, a valve to the atmosphere for venting the evaporator unit, and a return conduit containing a check valve connecting the evaporator unit to said tube for delivering the compressed discharge from said evaporator unit below the surface of the liquid.

2,580,711
LIQUID GAUGE BAR
Walter P. Weidinger, Orinda, Calif.
Application August 15, 1949, Serial No. 110,407
6 Claims. (Cl. 73—425.4)

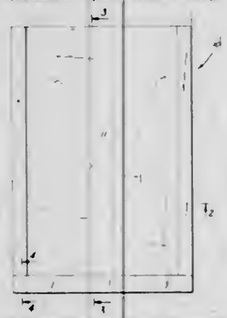
1. A liquid gauge for testing liquid in a tank, comprising an elongated stick member having a longitudinal open-faced channeled groove inset

from its face and extending to at least one end of the stick, a transparent tube in said groove, said tube being open at both its ends, a tubular sleeve snugly slidable longitudinally of said one end portion of the stick to which the tube extends, said sleeve being open at its free terminal end, a closure gland valve supported centrally of the open end of the sleeve adapted for se-



lectively opening and closing the adjacent open end of the tube responsive to sliding of said sleeve, said sleeve having a sight opening overlying the opening in the groove at said one end portion of the stick, and the tubular wall of said sleeve having an ancillary opening at its free terminal edge through which liquid may flow when the terminal end opening of the sleeve is closed against a tank bottom.

2,580,712
CONTAINER FOR PACKAGING MERCHANDISE
Abraham E. Weisberg, New York, N. Y.
Application June 3, 1949, Serial No. 96,943
1 Claim. (Cl. 229—53)



A container of the character described for packaging merchandise comprising a first wall formed from a sheet of rubber hydrochloride or the like, having a relatively low degree of rigidity and having a predetermined peripheral contour, a second wall formed from a sheet of transparent paper material or the like, having a relatively greater degree of rigidity than said first wall and having a peripheral contour similar to that of said first wall, means for sealing adjacent marginal edges of said first and second walls throughout except for a predetermined portion to provide an opening for the insertion and removal of merchandise, said first and second walls being coextensive in the direction of one of their axes, said first wall having a greater dimension than said second wall in the direction of their other axes to provide said first wall with portions extending beyond opposite edges of said second wall, said last named extending portions of said first wall being folded over inwardly around substantially the peripheral edge of said second wall to overlie said second wall and a portion adjacent the sealed coextensive edges of said walls being turned over on itself and adhesively attached to said container whereby to further reinforce said coextensive edges of said walls and whereby the wall having a greater degree of rigidity will support the less rigid wall and thus prevent the container from collapsing while being filled.

2,580,713
PLASTIC DETERGENTS AND METHOD OF MAKING SAME
Richard C. Wood, Westbury, N. Y., assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application February 26, 1947, Serial No. 731,148
31 Claims. (Cl. 252—121)

1. The process of preparing a detergent composition having a soft plastic consistency and a ready solubility in water, comprising: mixing saponaceous detergent, at least 25 per cent of which is a sulfated or sulfonated anionic organic detergent, water amounting to at least 10% and not more than 40% of the total composition, and electrolyte to form a highly fluid homogeneous mass in the nigre phase, having an elevated temperature above that at which a second detergent phase forms, and cooling said mass to room temperature, the composition of said mass being such that at room temperature it is predominantly in the middle phase but includes a minor proportion remaining in the nigre phase, said middle phase having a gummy plasticity and a characteristic conic anisotropic liquid crystalline nature as observed under a polarizing microscope, and said nigre phase being characterized by its amorphous nature and lack of structure as observed under a polarizing microscope, the amount of said nigre phase in the composition at room temperature being sufficient to impart to said composition ready solubility in water and reduced toughness and being not so great as to cause separation of phases.
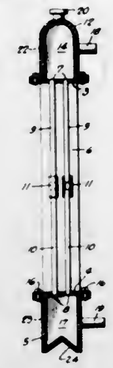
2,580,714
PRODUCTION OF BETA-HYDROXY CARBOXYLIC ACID LACTONES FROM KETENE AND ALDEHYDE WITH CLAY CATALYST
Frank G. Young and John T. Fitzpatrick, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application May 24, 1949, Serial No. 95,166
10 Claims. (Cl. 260—344)

1. Process for producing monomeric beta-hydroxy carboxylic acid lactones, which comprises reacting a ketene with a saturated aliphatic monoaldehyde having from one to six carbon atoms and having only carbon and hydrogen in the molecule in addition to the aldehyde group, in the presence of an inert solvent for the reactants and of a clay mineral having essentially a hydrous aluminum silicate.

2,580,715
RADIATOR
William Wilmer Baber, Albemarle County, Va.
Application September 27, 1946, Serial No. 699,925
1 Claim. (Cl. 257—125)

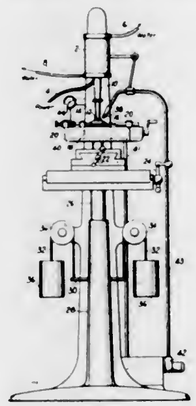
In a radiator, the combination consisting of a plurality of liquid compartments including a

top header and a bottom header, a plurality of sleeved conduits respectively connecting said top and bottom headers in communicable fashion, said bottom header being flexible and impervious to a liquid and being heat resistant and provided with an angular base; a plurality of spaced resilient members embedded in and across said bottom



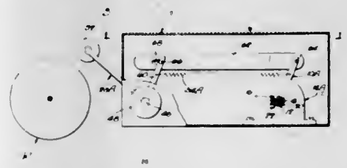
head in transverse fashion so as to permit the flexing and reflexing of said bottom head when an internal force is applied to and released from said last named head; said resilient members permitting the outward and inward bending of the flexible bottom head under variable internal pressures.

2,580,716
METHOD AND MEANS FOR REMOVING MATERIAL FROM A SOLID BODY
Lewis Balamuth, New York, N. Y.
Application January 11, 1951, Serial No. 205,520
20 Claims. (Cl. 51—59)



13. A machine for removing material from a hard, substantially non-yielding workpiece comprising a tool head, a tool carried by said head, a workpiece holder adapted to hold a workpiece in determinable position relative to the tool, means for interposing a suspension of comminuted abrasive between the face of the workpiece and the tool end, means for continuously exerting a pressure urging said tool head and workpiece holder toward each other and means for causing the end of said tool to oscillate relative to such workpiece in a direction having a major component of movement from and towards the workpiece said means for causing oscillations being so constructed that when operated in its normal and intended manner, the relative oscillations between the tool end and workpiece are at such a high rate of frequency that with an amplitude of movement of less than .05 inch, a rate of acceleration is attained equal to more than 1000 times the acceleration resulting from the force of gravity whereby despite the continuous pressure urging the tool head toward the workpiece, the force of inertia permits the tool to separate with each oscillation a minute distance from the face of such workpiece, and thereupon to be immediately driven back towards the workpiece whereby abrasive particles suspended in liquid between the tool and the workpiece are driven against the workpiece to remove material from the workpiece.

2,580,717
MECHANICAL MEASURING DEVICE
Richard P. Ballou, Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J., a corporation
Application January 15, 1948, Serial No. 2,490
10 Claims. (Cl. 201—48)



1. A measuring device comprising a first member mounted for movement in directions toward and away from an object to be measured, a second member to which said first member is operatively connected, a lost-motion mechanism in said connection so constructed and arranged that said second member is movable from a predetermined position thereof to a measurement-indicating position by said first member after a predetermined movement of the latter in the direction toward said object to effect the measurement, resilient means acting on said first member for moving the latter in the direction away from said object and relatively to said second member, and means operative upon said second member for retaining said second member in said measurement-indicating position against the force of said resilient means whereby said second member remains stationary in the latter position thereof during the relative movement of said two members.

2,580,718
METHOD OF PRODUCING ELECTROFORMS
William Henry Banks and Patrick Bernard Upton, London, England, assignors to The Printing and Allied Trades Research Association, London, England, a company of Great Britain
No Drawing. Application July 29, 1946, Serial No. 686,948. In Great Britain August 1, 1945
1 Claim. (Cl. 117—47)

In a method of producing non-adherent deposits useful as electroforms, the steps of subjecting a wax mould having a surface which is not readily wetted by aqueous solutions to treatment by an aqueous solution of an alkylated naphthalene sulphonate as a wetting agent and stannous chloride, and in which the wax mould, after treatment with the aqueous solution and metallic salt, receives a deposit of a layer of silver.

2,580,719
STOP-LEAK PREPARATION
Frederic D. Barton, San Francisco, Calif.
No Drawing. Application October 10, 1950, Serial No. 189,484
3 Claims. (Cl. 106—33)

3. A stop-leak preparation for the cooling system of an engine, comprising a mixture of a rhizome flour and soluble oil.

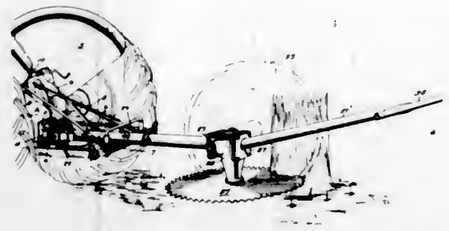
2,580,720
COMBINATION CAMERA AND DEVELOPER
John Bass, New York, N. Y.
Application October 26, 1949, Serial No. 123,698
16 Claims. (Cl. 95—13)



1. Photographic apparatus, comprising a camera having a first chamber with provisions at one end thereof for removably mounting a photographic film for its exposure, and a lens at the other end of said chamber, and development equipment comprising a second chamber integral and in communication with said first chamber and having an internal surface, a carriage, a track in said chambers on which to move said carriage into positions adjacent said surface and a mounted film, respectively, an open-top tray for holding a liquid, said tray being mounted on said carriage for unitary movement with the latter into said positions and being depressible on said carriage for retraction of the open tray top from liquid-sealing engagement with said surface and with a mounted film respectively, operating means for moving said carriage and tray into either of said positions and for depressing said tray, including a manually operable device on the outside of said chambers, and a light-sealed operating connection between said device and tray, and means for forcing said tray with its open top into liquid-sealing engagement with said surface and with a mounted film respectively.

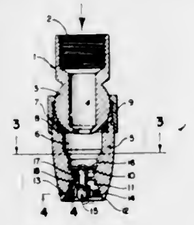
2,580,721
POWER SHAFT ATTACHMENT FOR TRACTORS
Eldon H. Beccard, Nebraska City, Nebr.
Application September 6, 1950, Serial No. 183,357
1 Claim. (Cl. 143—43)

A sawing machine attachment for a tractor having a power take-off shaft and power operated lifting mechanism, comprising a vertically swinging frame operated by said power operated lift, a torque tube, a plate secured to the tractor having an opening through which the power take-off shaft of the tractor extends, blocks having threaded openings secured to the plate, an adjustable coupling band having tubular guides secured to the outer surface thereof aligning with the threaded openings of the blocks, bolts disposed within the aligning openings securing the coupling band to the plate, said coupling band embracing a universal joint section, said universal joint section connecting said torque tube to the tractor, said torque tube resting on the vertically swinging frame, a gear housing secured to one end of the torque tube, a saw shaft having a saw secured thereon, extending into the



housing, gearing in the housing through which said saw shaft is rotated, and a handle secured to the gear housing by means of which the gear housing and saw are operated.

2,580,722
SHOWER HEAD
Clarence H. Bentley, Los Angeles, Calif., assignor of ten per cent to Ralph E. Bletcher, twelve and one-half per cent to Ernest H. Bucknell, twelve and one-half per cent to Mabel Bucknell, ten per cent to Pearl White Bletcher, twenty-five per cent to Marcia Bucknell Liston, ten per cent to James H. Bletcher, ten per cent to Hazel Bletcher Skinner, and ten per cent to Charlotte R. B. Robertson (also known as Mrs. F. K. Robertson)
Application November 6, 1947, Serial No. 784,389
6 Claims. (Cl. 299—114)

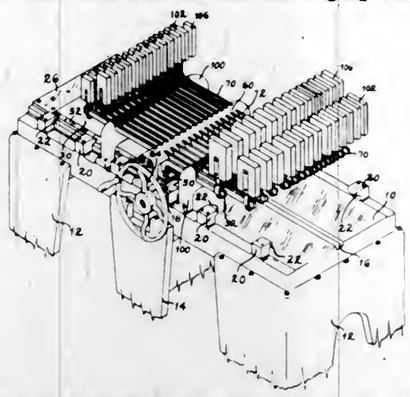


1. A shower head, comprising: a nozzle body defining a frustoconical discharge port, its walls diverging axially outwardly; a zone of said port having a plurality of ribs, their axially inner ends merging into the surface of said walls, said ribs having radially inwardly directed surfaces defining a cone frustum of less divergence than the said walls of said port.

2,580,723
PRELIMINARY FINISHING MACHINE
Homer L. Bishop, Dayton, Ohio
Application April 18, 1947, Serial No. 742,219
5 Claims. (Cl. 80—5.1)

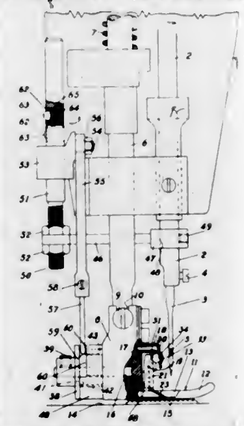
1. A device for use in finishing electrotypes including a table for supporting an electrotype with its face in contact with the table, a series of narrow rollers extending in side by side relation across the width of the table, means supporting each roller for individual movement toward and from the table, said means including an elongated horizontal lever arm for each roller, a weight for each lever arm, means for slidably mounting each weight on its corresponding lever

arm and means individual to and connecting each lever arm and its roll for urging the roll



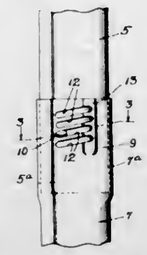
toward the table under the influence of the weight.

2,580,724
SEWING MACHINE AND METHOD OF SEWING
Thomas A. Bramfitt, Watervliet, and Edward C. Pfeffer, Jr., Troy, N. Y., assignors to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York
Application April 18, 1947, Serial No. 742,218
19 Claims. (Cl. 112—154)



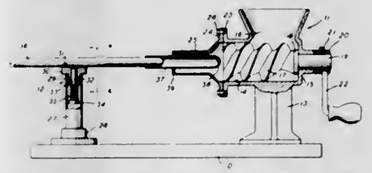
1. In a sewing machine of the type having a throat plate, a feed dog operating upwardly through said plate to feed the work over said plate by increments, a pressure foot, a head, a needle, a bar mounting said needle and means operating said needle bar and needle vertically in timed relation to the movement of said dog to sew, that improvement which comprises a finger disposed with its free end above and across the line of stitching immediately in the rear of the needle, a member mounting said finger for limited movement in directions sidewise of said line of stitching to carry the free end of said finger back and forth across the axis of the line of stitching in proximity to the work on said throat plate and also for movement in the direction of feed, and an operating connection from the needle operating means to said member for moving the free end of said finger across said line of stitching at the rear of the needle beneath the thread from the needle to the work, and removing it from beneath the thread during the formation of another stitch.

2,580,725
APPLIANCE HANDLE JOINT
Frank Breckenridge, Newton, Iowa, assignor to Automatic Washer Company, Newton, Iowa, a corporation of Delaware
Application May 4, 1948, Serial No. 25,036
1 Claim. (Cl. 285—175)



A hollow handle comprising two sections, one section having a split end with a sloping lug stamped therefrom above the split portion and the other section having an enlarged end having an outwardly pressed rib extending from the end thereof for forming an interior groove for receiving said lug, and transversely sloping slots extending from the medial line of said rib in spaced relation for receiving said lug through relative rotation of said sections, said sloping lug and sloping slots serving to draw said sections in tight telescopic relation by contracting the split end portion of the first section.

2,580,726
BUN FORMING MACHINE
Carlos W. Brewer, Fort Worth, Tex.
Application April 11, 1949, Serial No. 86,747
2 Claims. (Cl. 107—1)

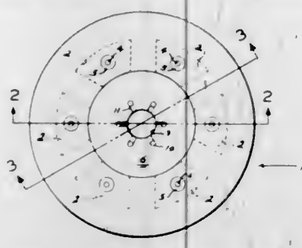


1. In a machine for forming recesses in dough products, a dough spout including a discharge end, a guide positioned outwardly of and spaced from the center of said discharge end of said spout, a tubular mandrel having a closed end slidably mounted on said guide, said closed end being directed toward said discharge end of said spout and adapted to be slidably received in the latter together with a portion of said mandrel, the outer diameter of said mandrel being smaller than the inner diameter of said spout discharge end by an amount equal to the wall thickness of the dough product formed therebetween.

2,580,727
DRILL STEM WIPER
Mose A. Bryan, Oklahoma City, Okla.
Application August 26, 1946, Serial No. 693,089
4 Claims. (Cl. 15—210)

1. A drill stem wiper including: a flat metal ring having radially spaced dove-tailed cavities in one face; a substantially flat annular wiping element of resilient material within said ring, said element adapted to surround a drill stem for wiping engagement therewith; radially spaced dove-tailed projections on the periphery of said

element, said projections spaced and formed to snugly nest in said cavities; and means for re-



movably anchoring said projections within said cavities.

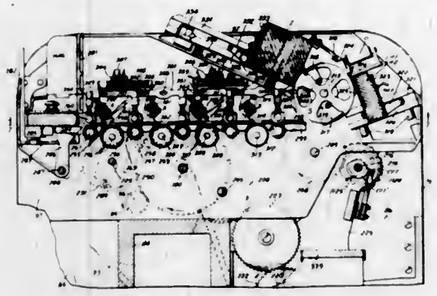
2,580,728
RADIATOR FOR GLUING MACHINES
Raymond W. Burns and Lloyd Quick, Poughkeepsie, N. Y., assignors to James L. Taylor Manufacturing Company, a corporation of New York
Application November 1, 1947, Serial No. 783,556
7 Claims. (Cl. 144—281)



1. A platen having a flat planar object-engaging surface for pressing flat objects between it and another flat surface, said device comprising a rectangular open frame having one side in substantially a flat plane, a plurality of separate parallel bars secured to said side of said frame and having surfaces in substantially a common flat plane to form said object-engaging surface, said frame and bars being flexible to dispose said object-engaging surface in flat condition, and means for positively flexing said frame and bars to adjust said object-engaging surface and for holding them in adjusted position.

2,580,729
ALPHABET, DIGIT, AND ADDRESS PRINTING DEVICE
Fred M. Carroll, Binghamton, and Arthur F. Smith, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application November 28, 1942, Serial No. 467,244. Divided and this application April 25, 1946, Serial No. 664,938
5 Claims. (Cl. 101—93)

1. In a machine controlled by groups of records with each group comprising one or more heading records and a plurality of item records, said heading records bearing a special indicium and indicia representations of a plurality of fields of alphabetic and numerical information, said heading records being placed in the front of related groups to precede each other and related item records, a record hopper, means for issuing the records successively out of the hopper, a plurality of record sensing stations each with indicia sensing devices, said stations being spaced along the path of said records to be encountered firstly, secondly, etc., means for initially sensing said special indicium on the appearance of a heading record, a printing mechanism, switching means for selectively connecting one after another of said sensing devices to said printing mechanism, means under control of said sensing devices for operating said printing mechanism, means for feeding each record successively through one after another of said sensing stations, a main driving mechanism, said feeding means including clutching devices between a portion of said feeding means and driving mechanism for selectively feeding the records past the first sensing station, clutch control means for controlling said clutching devices to normally effect feeding, and means



under control of said special indicium sensing means for operating said print switching devices to print under control of sensing devices at successive stations and also operating said clutch control means for controlling said clutching devices to disable feeding of a following heading or item record while printing multiple lines under control of the fields of indicia of a preceding heading record, whereby said printing mechanism is operated a plurality of times under control of each heading record.

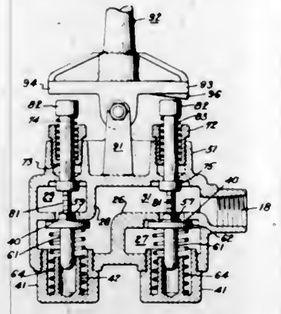
2,580,730
STABILIZED CHLORINATED PARAFFINS
James M. Church, Tenafly, and Ernest W. Johnson, Mountainside, N. J., assignors to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 4, 1948, Serial No. 25,074
10 Claims. (Cl. 260—652.5)

1. Chlorinated paraffins having about 10 to about 40 carbon atoms per molecule stabilized with up to about 5% by weight of a tin hydrocarbon compound of the formula $R_xAr_{4-x}Sn$, in which R is the butyl radical, Ar is the phenyl radical, Sn is tin, and x is a whole number equal to 1 to 4.

2,580,731
CONTROL VALVE FOR AUTOMOBILE LIFTS
John D. Cochin, San Francisco, Calif.
Application March 8, 1947, Serial No. 733,329
2 Claims. (Cl. 277—21)

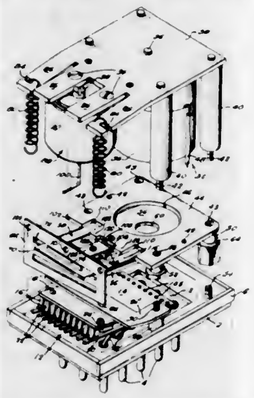
1. A valve device for controlling the flow of hydraulic liquid back and forth between a tank and a ram and for controlling the flow of compressed gas into and out of the tank, comprising a casing having partitions forming chambers for gas and chambers for liquid within the casing, some of the partitions being horizontal and having openings therethrough to permit the flow of gas through some of the openings and the flow of hydraulic liquid through others, valve heads at the undersides of the openings, valve stems passing through the openings carrying the valve heads and extending above and below the valve heads, hollow guides within which the lower ends of the valve stems are slidable, springs about the guides to urge the valve heads normally

upwardly to closed position, pins extending above the casing and each having a bore forming guides within which the upper ends of the valve stems



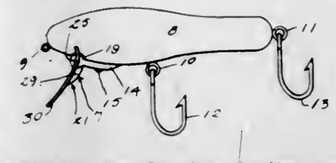
are slidable, and springs about the pins to urge them upwardly to lessen the pressure required of the first mentioned springs.

2,580,732
FINGER TYPE CIRCUIT REGULATOR
Arthur M. Cohen, New York, N. Y.
Application June 22, 1948, Serial No. 34,517
25 Claims. (Cl. 200—97)



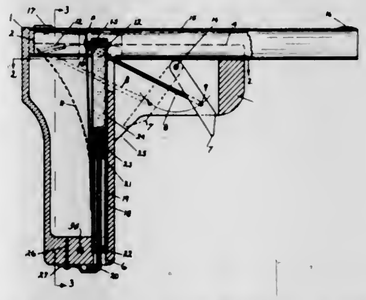
10. A circuit regulator comprising an electromagnet having a top and a bottom, an armature pivotally mounted on the bottom of said electromagnet and having a portion extending to one side thereof, a plurality of fixed contacts fixedly mounted below the extending portion of said armature, a plurality of movable fingers normally urged into engagement with said fixed contacts, a finger lifting member pivotally attached to the extending portion of said armature and engageable with said fingers to sequentially move them out of engagement with said fixed contacts, a frame portion connected to said electromagnet and extending to one side thereof, a spring connected between said member and said frame portion and active upon said member to urge it to move in one direction and to orient itself in that direction, a dashpot comprising a cylinder and a plunger positioned above the extending portion of said armature, said plunger being movable in a direction parallel to the direction of movement of said member, and an L-shaped connector between said member and said plunger, whereby as said armature pivots on said electromagnet said member substantially maintains its angular relationship to said dashpot and hence the plunger is always urged in its proper plane of movement.

2,580,733
ADJUSTABLE CONTROL PLANE FOR FISH LURE BODIES
Wilbern R. Cowden, Sevierville, Tenn.
Application June 20, 1947, Serial No. 755,983
6 Claims. (Cl. 43—42.22)



1. An actuator for fish lure bodies comprising a hinge having one leaf thereof adapted to be detachably fixed to the underside of a lure body, a vane or blade detachably fixed to the other leaf of said hinge and disposed beneath and transversely of the lure body and supported by the hinge completely out of contact with the lure body, and means forming a part of the hinge releasably retaining said hinge leaves in a plurality of adjusted positions relative to one another for positioning the vane or blade at a plurality of angles relative to the axis of the lure body.

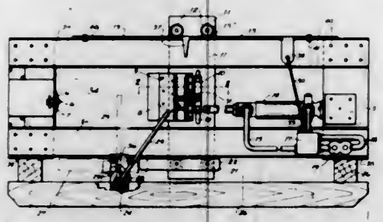
2,580,734
TOY SPRING GUN
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application April 22, 1946, Serial No. 664,074
6 Claims. (Cl. 124—27)



1. In a toy pistol, a stock including a substantially vertical chambered handle and a longitudinally slotted forward extension formed integral therewith, a barrel mounted upon the handle and extension, an opening in the lower part of the rear end of the barrel communicating with the chamber, a tubular magazine mounted in the chamber arranged to carry a plurality of balls or bullets and having its lower end seated in a bore in the bottom of the handle and its upper end projecting into said opening in the barrel, a transverse opening formed in the upper end of the magazine to permit the uppermost ball to be driven forwardly out of the barrel, a spring striker plate mounted in the handle chamber with its lower end rigidly secured therein and its upper end extending into and moveable lengthwise of the opening in the bottom of the barrel, a plunger or pin united to the upper end of the striker in position to enter the transverse opening at the upper end of the magazine and drive out the uppermost ball therefrom, a trigger with its upper end pivotally mounted in the slot of the forward extension and its lower end projecting downwardly through said slot, and a link bar having its lower end pivotally united to the lower end of the trigger and its upper end turned at an angle to engage and bear against the junction

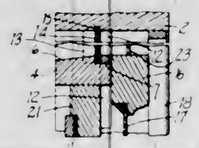
of the plunger and the striker whereby the striker will be pushed to its rearmost position when the trigger is fully retracted.

2,580,735
WOOD-SPLITTING MACHINE
Joseph Henri Dagenais, Laval des Rapides, Quebec, Canada
Application April 2, 1948, Serial No. 20,805
In Canada October 30, 1947
1 Claim. (Cl. 144—193)



In a wood splitting machine, the combination of a vertical rectangular frame made of longitudinal members spaced apart by means of plates, the said frame being supported on cross members provided with skates for transportation, a horizontally travelling unit adapted to move back and forth on rails secured on upper and lower members of the frame, a head on said travelling unit provided with three knives so disposed one on the other for splitting a piece of wood in four sections, means for forcing said head towards the piece of wood to be split comprising a cylinder having a reciprocating piston connected to the travelling unit, a hydraulic pump for actuating said piston, controlling means for reversing the action of the piston comprising a depending tongue secured to said travelling unit and moving therewith and a rod pivoted on said tongue at one end and connected to said pump at its other end, said knives comprising a main vertical knife permanently secured to said head, and two knives adjustably secured perpendicularly on said head and to said vertical knife, means on said knives for spreading the piece of wood as it is being split consisting of convex plates secured thereon, an arm pivoting on one of the frame members and held in tension by a spring and disposed to be actuated by said travelling unit and said spring for preventing the split wood from falling outside of the frame while being split, and a plate at the forward end of the frame and adjustable thereon and provided with a point for holding the piece of wood steady in place during the cutting operation.

2,580,736
WINDOW CONSTRUCTION
Henry A. Davis, Sebring, Fla.
Application March 8, 1948, Serial No. 13,649
2 Claims. (Cl. 20—52)



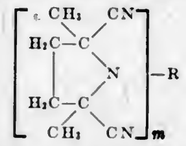
1. Window construction comprising, a main frame having side members and top and bottom cross members, an intermediate cross member fixedly secured between said side members and rabbeted on its upper inside edge, parting strips set into said side members above said intermediate member and with their inside surfaces approximately flush with the vertical surface of the rabbet thereof, an upper window pane permanently secured against said parting strips and the vertical surface of the rabbeted portion of said intermediate member, a sash frame slidable in said main frame and along the rear side of said intermediate cross member, molding strips set against the inside of said pane and constituting outer guides for said sash, inner sash guides secured to said main frame, and lower sash guides set into said side members below said intermediate member with their outer sides constituting blind stops.

2,580,737
COBALT CHLORIDE HUMIDITY INDICATOR
Paul Bell Davis, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application January 19, 1949, Serial No. 71,758
5 Claims. (Cl. 252—408)

1. A method of manufacturing a quantitative relative humidity indicator adapted to change color when the relative humidity of the atmosphere to which it is exposed is changed from below about 50–60% through that range comprising forming a silica hydrogel, treating the hydrogel with an ammoniacal solution to form a wide pore silica gel, impregnating the wide pore silica gel with a solution of cobalt chloride so that the impregnated gel has a cobalt chloride content of about 2–5% on a dry basis, and drying the impregnated gel.

2,580,738
N-SUBSTITUTED-2,5-DIMETHYL-2,5-DICYANOPYRROLIDINES
Peter L. de Benneville and James S. Strong, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 23, 1949, Serial No. 134,872
19 Claims. (Cl. 260—313)

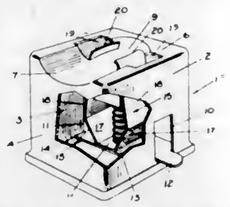
11. A new chemical compound of the formula



wherein m is a whole number from one to two and R is a hydrocarbon group of not over ten carbon atoms.

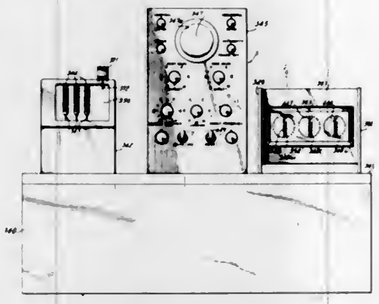
2,580,739
DEVICE FOR USE IN HOLDING CUTICLES AWAY FROM FINGERNAILS
Leone G. Delno and George F. Delno, Palo Alto, Calif.
Application March 4, 1949, Serial No. 79,534
7 Claims. (Cl. 132—73)

1. A device of the character described including a supporting body adapted to be supported on a table and having a horizontally extending top on which the outer end of a finger of a hand is adapted to be supported with the nail uppermost, a pair of upwardly extending horizontally spaced opposed clamping members supported on said body for vertical reciprocation at opposite sides of a finger so supported on said top, said clamping members including oppositely inwardly extending portions at their upper ends adapted to engage said finger adjacent the cuticle at opposite sides of said nail upon downward



movement of said members for drawing the said cuticle away from said nail, and means carried by said body for causing said downward movement.

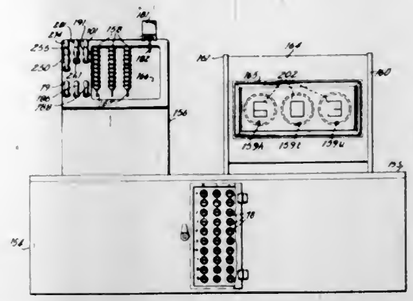
2,580,740
ACCOUNTING APPARATUS
Arthur H. Dickinson, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 20, 1940, Serial No. 314,767
97 Claims. (Cl. 235—61)



1. An electronic device comprising means for generating electrical timed impulses defining the duration of a cycle, electrical oscillator means, controlled by said impulses, producing repeated oscillations, digit entry control means for adjusting the occurrence of said oscillations to any one of a plurality of differentially located positions within said cycle, said entry control means differentially locating the position of an oscillation occurrence in accordance with the value of a digit entered.

2,580,741
ACCOUNTING APPARATUS
Arthur H. Dickinson, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 23, 1941, Serial No. 394,881
21 Claims. (Cl. 235—61)
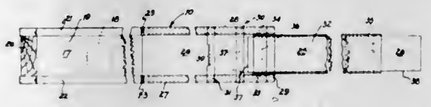
1. An electronic accumulator comprising a plurality of electronic elements each including a pair of electron emission devices, means interconnecting said devices whereby a certain electronic condition in one device conditions the other device, in preparation for assumption by the element of a chosen condition, said devices being operable by succeeding electrical manifestations to alternately, respectively, assume said certain condition, means interconnecting said elements into a closed network, succeeding elements being conditioned for operation to said chosen condition upon assumption of said chosen condition by its preceding element, entry control means, controlling the application of said electrical manifestations to said elements, and initially rendered operative to permit said applications, by an electrical manifestation, differentially timed so as to be representative of a digit to be entered, and means producing an electrical manifestation at a relatively fixed time, rendering said entry control means inoperative.



2,580,742
PURIFICATION OF DINITRO COMPOUNDS
Thomas F. Doumani, Los Angeles, and Robert W. Long, San Pedro, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application April 25, 1949, Serial No. 89,578
11 Claims. (Cl. 260—644)

1. The method of separating a compound selected from the class consisting of saturated aliphatic and cycloaliphatic dinitro hydrocarbons in which the two nitro groups are attached to adjacent carbon atoms from admixture with other normally incident nitrated compounds including isomeric dinitro compounds, which comprises heating said mixture with nitric acid to selectively oxidize substantially all of said other nitrated compounds, and thereafter separating said vicinal dinitro hydrocarbon from the reaction mixture substantially free from other nitrated compounds including isomeric dinitro-compounds.

2,580,743
FOLDING BASE FOR AUTOMOBILE JACKS
Horace C. Eckels, La Grange, Ill.
Application April 29, 1948, Serial No. 24,082
6 Claims. (Cl. 248—346)



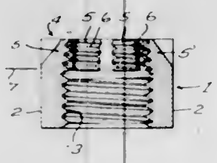
6. A jack positioning device comprising a footing member arranged to support a jack, a handle for maneuvering said footing member and having a pair of sections, pivot means connecting said sections for relative movement, a guideway in said sections, an abutment stop on one of said sections, and a member slidable in said guideway into abutment wiht said stop whereby said member overlaps said handle sections and said pivot means for locking the sections together against relative movement.

2,580,744
SPECTACLE SHIELD
Harrison G. Edsall, Spokane, Wash.
Application June 11, 1949, Serial No. 98,607
1 Claim. (Cl. 2—13)



A spectacle shield comprising a strip of a length adapting it to extend the full width of spectacles between the rearwardly extending temples thereof, said strip being curved longitudinally to conform to the transverse curvature of a person's forehead, said strip having its lower edge portion curved rearwardly and upwardly and forming a perspiration receiving trough extending longitudinally of the strip and open at its ends, the trough having a rear wall constituting a forehead-engaging portion, the said trough sloping downwardly from midway the length of the trough towards opposite ends thereof and serving to direct perspiration towards the open ends of the trough, tongues at the ends of said strip extending outwardly and downwardly and having temple-engaging hooks at their lower ends, and a tongue extending downwardly and forwardly midway the length of the strip in position for resting upon a person's nose back of the nose piece of the spectacles.

2,580,745
SELF-LOCKING NUT
Henry O. Engstrom, Southport, Conn., assignor to Richard W. Luce, Southport, Conn.
Application January 18, 1947, Serial No. 722,939
5 Claims. (Cl. 151—21)



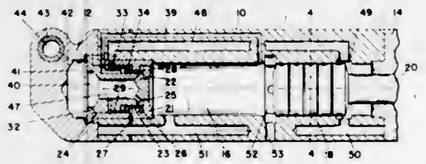
1. A self-locking nut comprising a body portion having an opening therethrough and a continuous thread therein of equal pitch throughout within the tolerance of the class thereof and a locking portion at one end of the nut body and integral therewith, which locking portion includes a plurality of axially extending sections, each alternate section being radially resilient and having spaced apart side faces substantially parallel to a radial plane of said nut and extending from the nut body to the free end of said locking portion, threads substantially similar and in phase with the first mentioned thread on the inner face of each said alternate section, each said alternate section being gradually displaced inwardly beyond the normal diameter of the first mentioned thread with the maximum displacement at said free end, the side faces of the sections intermediate said alternate sections abutting and slidably engaging adjacent side faces thereof.

2,580,746
NOVELTY SHOE TREE FOR CHILDREN
Herman Feldman, Forest Hills, N. Y., assignor to Jules Golden, Bronxville, N. Y.
Application November 18, 1949, Serial No. 128,056
1 Claim. (Cl. 12—128.1)



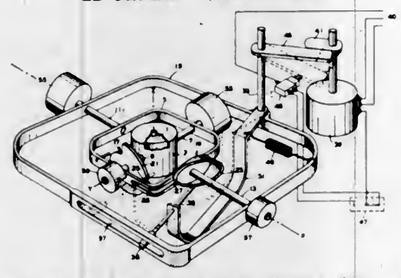
A one-piece shoe tree assembly comprising blocks having rounded rear ends for engagement in the heels of a pair of shoes, toe pieces for engagement into the toe portions of the pair of shoes, elongated leaf springs extended rearward from said toe pieces, a one-piece body having laterally spaced depending leg portions, said blocks having laterally aligned transversely extending slots opening to the top faces thereof, said slots being of a width corresponding to the combined thickness of the material of said depending leg portions and the material of said leaf springs, said depending leg portions having their bottom ends secured in position in said slots against the material of said blocks defining the rear walls of said slot, said leaf springs having their rear ends secured in position in said slots between the front faces of said depending leg portions and the material of said blocks defining the front walls of said slots.

2,580,747
VALVE FOR ROCK DRILLS
Jacob E. Feucht, Garfield Heights, Ohio, assignor to Le Roi Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 19, 1948, Serial No. 28,024
6 Claims. (Cl. 121—19)



1. In a fluid actuated rock drill, a cylinder having a piston chamber, a piston reciprocable in said chamber, an exhaust port for the piston chamber controlled by said piston, a valve casing having opposed front and rear flat annular valve seats, a sleeve valve reciprocable within said casing, means internally of said valve for constantly supplying motive fluid to said seats, front and rear inlet ports leading from the correspondingly named valve seats into the front and rear portions of said piston chamber for alternatively admitting motive fluid therein to effect reciprocation of said piston, the opposed ends of said valve being movable into and out of fluid tight engagement with said valve seats by virtue of the reciproation of the valve for controlling admission of the motive fluid into the front and rear portions of said piston chamber, the ends of said valve when moved out of said fluid tight engagement forming holding areas subjected to the action of the motive fluid constantly supplied to said valve seats for holding the valve out of said fluid tight engagement, and means effecting reciprocation of said valve including an internal shifting area on said valve intermittently subjected to motive fluid from the rear portion of said piston chamber when said piston reaches a predetermined position therein during its forward stroke for shifting said valve in a position preventing supply of motive fluid to said rear inlet ports, and an external shifting area on said valve subjected to fluid compressed within the rear portion of said piston chamber during the rear stroke of said piston tending to shift said valve in a position preventing supply of motive fluid to said front inlet ports, this last movement of the valve occurring after the pressure of the motive fluid acting on the valve holding area for maintaining the valve in the position to be shifted from has been reduced by virtue of the exhaust of the motive fluid from the front end portion of said piston chamber through said exhaust port.

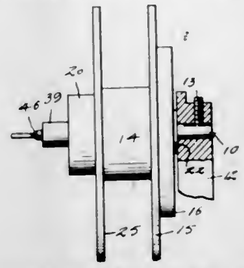
2,580,748
CENTERING AND CAGING MECHANISM FOR GYROSCOPES
William C. Fillebrown, Hasbrouck Heights, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application April 29, 1950, Serial No. 159,084
11 Claims. (Cl. 74—5.1)



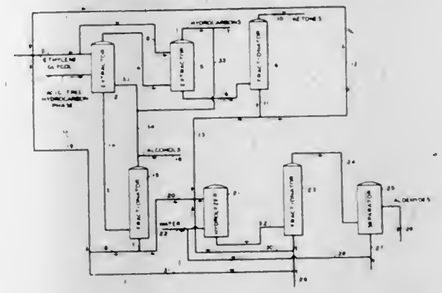
1. A caging and centering device for a gyroscope comprising the combination with a rotor adapted for spinning in a support about one axis, and means including a gimbal mounting said support for freedom about mutually perpendicular axes other than said spin axis, of means including a member rotatable with said gimbal, a second member rotatable with said support, and a pivoted second support mounted independently of the first support and gimbal and including a single element for engaging both of said members to move the gimbal and first support to centered position.

2,580,749
REEL FOR WIRE STITCHING MACHINES
Arnold F. Fischer, New York, N. Y.
Application February 4, 1949, Serial No. 74,657
4 Claims. (Cl. 242—124)

1. A reel for a wire stitching machine comprising a stationary shaft, a hub rotatably mounted on said shaft, means holding said hub against endwise movement, a head fixed to one end of said hub, a second head, and means removably securing said second head on said hub, said securing means including a hollow extension carried by the opposite end of said hub, said extension having a pair of elongated diametrically disposed slots, a locking pin loosely disposed in said slots, a spring-pressed plunger in said hollow extension constantly urging said pin toward the inner ends of said slots, a pair of keepers carried by said second head engageable with said pin, and a locking screw carried by said extension adapted to engage said plunger for locking said pin in said keeper.



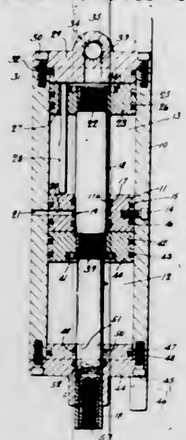
2,580,750
SOLVENT EXTRACTION OF OXYGENATED ORGANIC COMPOUNDS
Harold W. Fleming, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 9, 1949, Serial No. 92,192
6 Claims. (Cl. 260—450)



1. The method of resolving a normally liquid hydrocarbon phase resulting from the hydrogenation of carbon monoxide in the presence of a fluidized iron catalyst and containing hydrocarbons, organic acids, alcohols, aldehydes and ketones which comprises removing organic acids from said mixture by contacting said mixture with an aqueous caustic solution, contacting the thus-produced organic acid-free mixture with ethylene glycol in a volumetric ratio of ethylene glycol to organic acid-free mixture within the range of 0.5:1 to 1.5:1 and at a temperature not above 100° C., separating a raffinate phase containing hydrocarbons and ketones, contacting said raffinate phase with additional ethylene glycol in a volumetric ratio of ethylene glycol to raffinate phase within the range of 1:1 to 4:1 and at a temperature not above 100° C., recovering a raffinate phase from said second ethylene glycol contacting step containing said hydrocarbons and an extract phase containing ethylene glycol and ketones, separating the ketones therefrom and recycling ethylene glycol to said ethylene glycol contacting steps described above, recovering from said first ethylene glycol contacting step an extract phase containing ethylene glycol, alcohols and acetals of ethylene glycol and aldehydes, separating alcohols from said extract phase, hydrolyzing acetals in the alcohol-free extract phase thus produced with a volumetric ratio of water to alcohol-free extract phase within the range of 0.5:1 to 1:1 and at a temperature of 100 to 150° C., separating from the resulting mixture a

fraction containing ethylene glycol and a fraction containing aldehydes and water and recycling thus-separated ethylene glycol to the ethylene glycol contacting steps described above.

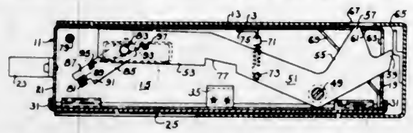
2,580,751
DASHPOT FOR SERVOMOTORS
William A. Fletcher, Daleville, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 24, 1947, Serial No. 781,799
2 Claims. (Cl. 188—97)



1. In a dash pot for a servo-motor, the combination comprising, a cylinder having a single diameter bore; a cover attached to one end thereof; a partition secured within the cylinder and dividing the space therein to provide an oil chamber; a piston rod extending through the partition; a piston located within the chamber and attached to the rod; a metering pin extending through a hole provided by the piston, said pin being confined between the partition and the cover for controlling the movements of the piston; ducts in the cylinder and the cover for conducting oil to opposite sides of the piston in the oil chamber; an oil tank; and connections between said oil ducts and between said oil ducts and the tank and providing for control of the rate of flow of oil from the space between the partition and the oil piston as the latter approaches the partition, the space between the oil piston and the cover of the oil chamber receiving oil from the tank as well as from the space first mentioned through the opening in the piston while the piston is moving toward the partition, and said connections providing during movement of the piston away from the partition for the passage of oil from the cover end of the oil chamber to the partition end of the oil chamber to fill it, the excess of oil passing to the tank when a predetermined pressure is exceeded.

2,580,752
SELF-LOCKING CASHBOX
Harold E. Forester, Chicago, Ill., assignor to Johnson Fare Box Company, Chicago, Ill., a corporation of Delaware
Application December 18, 1946, Serial No. 716,920
7 Claims. (Cl. 232—15)

4. In a coin collecting mechanism, the combination of a cash box, a receiver into which said box is slidably movable in opposite directions, latching means comprising a lever pivotally mounted in the box and having a locking projection adapted to be projected from the box transversely of said directions to engage the receiver, a coin opening in said box, said lever comprising a closure for said opening having yieldably closed effective and ineffective positions, means operable by the insertion of the box into the receiver, including a second projection on said lever adapted to move substantially in the same directions as said box to engage an abutment for



moving said closure means from yieldably closed to ineffective position and to project said latching means, means operable upon the withdrawal of said box from said receiver for moving said closure means from ineffective to effective position and means for locking said closure in such effective position, said latching means, when it is held projected, cooperating with said receiver to prevent withdrawal of the box therefrom.

2,580,753
BALL POINT FOUNTAIN PEN
Herman C. Frentzel, Milwaukee, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application November 13, 1945, Serial No. 627,996
9 Claims. (Cl. 120—42.03)



7. A ball-point writing instrument comprising a barrel, a unit slidably mounted in said barrel and including an ink reservoir, a ball writing point at the forward end of said unit adapted to be propelled and retracted through the adjacent forward end of said barrel, and ink feed means connecting said reservoir and said writing point, spring means constantly urging said unit toward retracted position wherein said writing point is concealed in said barrel, means for propelling said unit to project said writing point from said barrel, a pocket clip having at least a free end portion exteriorly of said barrel, and means for releasably holding said unit in propelled position, said holding means including a blocking member projectable laterally from said barrel adjacent and into position holding said unit projected in position in front of and closely adjacent said free clip end to obstruct said clip and render it inaccessible for clipping use in the propelled position of said unit and manually depressible out of said holding and obstructing position and away from the clip end to release said unit for return to retracted position by said spring means and to render said clip accessible, and spring means urging said blocking member toward holding and obstructing position.

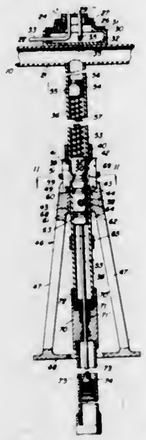
2,580,754
WRITING INSTRUMENT
Herman C. Frentzel, Milwaukee, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application November 15, 1945, Serial No. 628,769
4 Claims. (Cl. 120—42.03)

3. A writing instrument comprising a barrel, a unit slidably mounted in said barrel and including a writing point at the forward end of said unit adapted to be projected and retracted through the adjacent forward end of said barrel, spring means constantly urging said unit toward retracted position wherein said writing point is concealed in said barrel, means for propelling said unit to project said writing point from said barrel, an elongated lever arm positioned in the barrel, means for swingably mounting said arm at one end on the barrel, said arm having its



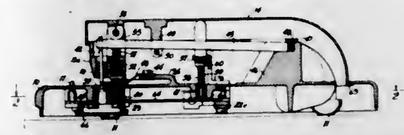
free end positioned to move into latching engagement with said unit for retaining the unit in projected position, means urging the free end of said arm into latching position, and an elongated pocket clip positioned outside the barrel and rigidly secured at one end to the mounted end of said arm, the connection between said arm and clip extending through the barrel, said clip, an outward movement thereof, being effective for moving the free end of said arm out of latching position.

2,580,755
SOIL FUMIGATING APPARATUS
Lewis D. Funk, Whittier, Calif., assignor of one-half to Paul Greening, Norwalk, Calif.
Application December 12, 1947, Serial No. 791,285
5 Claims. (Cl. 111—7.4)



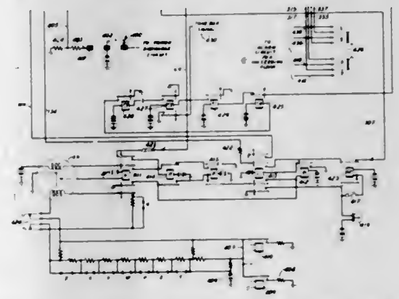
3. An appaartus for injecting fluid into the ground comprising a cylinder having a lower end adapted to be inserted downwardly into the ground, a piston rod axially movable in said cylinder, a piston secured to said rod and slidable in said cylinder, an index sleeve having spaced annular grooves secured to said rod, resilient means normally urging said sleeve and piston downwardly, a frame movably embracing said cylinder, locking dogs each having a free upper end and a lower end pivoted to said frame, resilient means normally urging said dogs into locking engagement with a selected one of said grooves, insertion of said cylinder into the ground serving to provide relative movement in one direction between said frame and cylinder for moving said sleeve and piston against the urging action of said first-mentioned resilient means, and means unlocking said dogs after a predetermined amount of movement in said one direction to free said sleeve and piston for urging action downwardly by said first-mentioned resilient means.

2,580,756
PUNCH
Frank J. Furman, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 3, 1947, Serial No. 745,681
4 Claims. (Cl. 164—88)



1. In a device for punching a sheet having a series of pre-punched locating holes therein, a die, a punch coacting therewith, operating means for said punch, sheet positioning means comprising a plate having a plurality of aligned prongs to engage selected ones of said locating holes for holding the sheet between the die and punch, said plate being provided with a series of teeth on a first edge, means meshed with said teeth for shifting said positioning means transversely to the line of said prongs, and centering means for said sheet wherein said plate is provided with notches on a second edge and a series of centering holes spaced apart along the line of movement, a detent, means for forcing said detent into a selected one of said notches and a plunger positively actuated by said punch operating means to enter a selected one of said centering holes upon operation of said punch and to prevent movement of the punch operating means when the movable plate is not in position to allow said plunger to enter a centering hole.

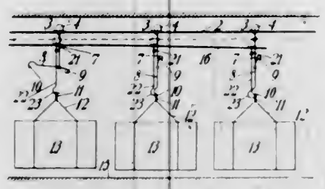
2,580,757
ALARM SENDING CIRCUIT
Charles E. Germanton, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1948, Serial No. 57,392
18 Claims. (Cl. 179—27)



1. In a signaling system, an unattended office, an attended office, a normally closed trunk connecting said offices, a normally operated relay at said unattended office, equipment at said unattended office, a plurality of alarm controlling devices at said unattended office means to operate one or more of said devices responsive to troubles arising with respect to said equipment, such as power failures, blown fuses, permanent signals and circuit failures, locking circuits for said devices, means under the control of an operated device to transmit code pulses over said trunk, alarm apparatus at said attended office, means at said attended office responsive to said code pulses to selectively operate said alarm apparatus, an alarm release key at said attended office for opening said trunk to release said first

relay, and delay means operable upon the release of said first relay to momentarily open said locking circuits to release the operated alarm controlling devices at the unattended office.

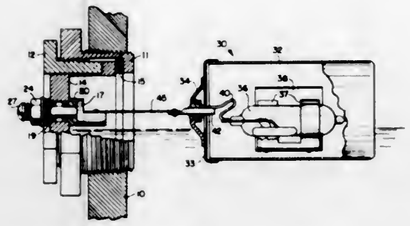
2,580,758
TRANSFER ARRANGEMENT FOR OVERHEAD CONVEYER SYSTEMS
William Gibson, London, England, assignor of one-half to Daily Mirror Newspapers Limited, London, England
Application May 3, 1949, Serial No. 91,112
In Great Britain May 4, 1948
2 Claims. (Cl. 198—177)



1. Conveying mechanism for supplying reels of paper to the magazines of printing presses and the like, comprising a continuous or closed overhead track supporting a plurality of bogies from certain of which are suspended pivotally mounted elements furnished at one end with a counterweight and at the other end with a hook, each adapted to engage a sling passed about a reel and at points in the length of the continuous overhead track, additional overhead tracks supporting bogies from which are suspended hooks, such additional tracks each including a portion extending in a direction generally parallel with the adjacent portions of the first-mentioned track and inclined to the horizontal so that the bogies supported thereby, and thus the hooks suspended from the bogies, will be progressively raised vertically when moving in one direction, so that such a hook when engaged with a sling extending about a reel supported from the first-mentioned track will take the load of the reel and release it from the hook by which it was supported from the first-mentioned track, thereby allowing this hook to move about its pivotal connection under the action of a counterweight, the movement of a bogie on a subsidiary track alongside a bogie on the main track being effected by engagement of one of the bogies with an arm provided on the other bogie.

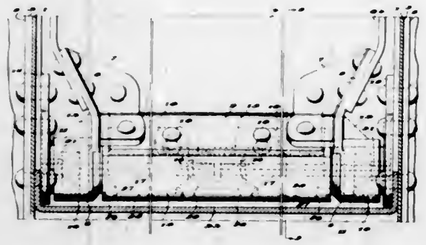
2,580,759
LIQUID LEVEL RESPONSIVE SWITCH
Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 9, 1949, Serial No. 86,556
2 Claims. (Cl. 200—84)

2. A liquid level responsive device comprising, a supporting member having a mounting portion adapted to engage a vertical wall of a liquid container at an opening therein, said member having a generally cylindrical portion disposed with respect to said mounting portion to extend inwardly of the container from the outer surface thereof, said member having a recess therein facing the container when applied thereto and extending outwardly from the inner end of said cylindrical portion, a float, a gravity actuated switch carried by said float, a pair of electrical conductors extending through said member and terminating within the recess, means insulating said conductors from said member and supporting said conductors with respect thereto, two resilient electrically conducting elements interconnecting said float and the portion of said conductors within said recess, the connections between said elements and said conductors being so located in the recess with respect to the mounting portion of said member that one portion of the free lengths of said elements extends outwardly beyond the outer surface of the container wall and another portion of the free lengths of said ele-



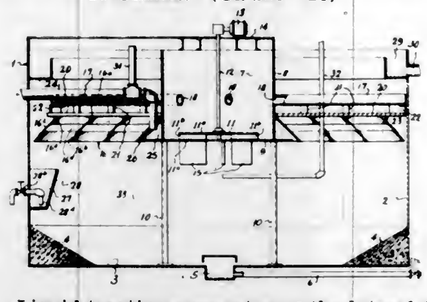
ments extends inwardly beyond the end of said cylindrical portion, said elements serving as a pivotal mechanical connection between said member and said float and as electrical connections between said conductors and said switch, and said elements further having a spring rate such that changes of liquid level within the container can change the angle of said float sufficiently to actuate said switch but cannot cause sufficient movement of said float to bring said elements into engagement with said cylindrical portion of said member.

2,580,760
RAILWAY CAR
Ernest G. Goodwin, Toledo, Ohio
Application May 17, 1946, Serial No. 670,410
23 Claims. (Cl. 105—406)



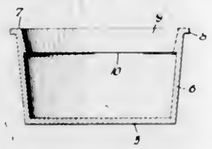
1. In a railway gondola car having side walls and a pivoted drop end door adapted to be disposed in upright position when closed and adapted to be disposed in overlapping relation with the car floor when opened, a bracket mounted in the lower portion of the door having oppositely opening recesses, a tubular housing extending on opposite sides of said bracket, brackets secured to the side walls of the car affording a pivotal mounting for the door, and torsion bars disposed within said housing and having their inner ends in said recesses, the outer ends of the said torsion rods being secured against rotation by said brackets secured to the car sides, said bracket on the door being cooperable with said torsion bars to twist them as the door moves toward open position to thereby provide a force tending to return the door to closed position.

2,580,761
SLURRY TYPE LIQUID TREATING APPARATUS AND PROCESS
Walter H. Green, Batavia, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application December 4, 1948, Serial No. 63,461
16 Claims. (Cl. 210—16)



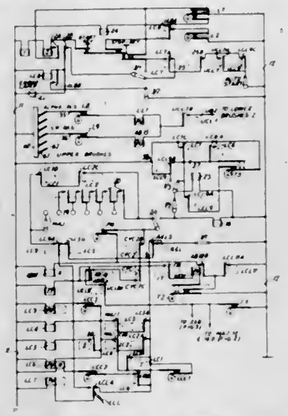
1. Liquid treating apparatus of the lateral flow slurry type comprising a tank, means for withdrawing treated liquid from the upper portion of said tank, means for agitating the contents of the lower part of said tank, a partition structure extending substantially horizontally across the cross sectional area of said tank, a plurality of constantly open passageways through said partition structure, liquid inlet means discharging into said tank below said partition structure, means for delivering reagent to the liquid to be treated in said tank, means including a pump adapted to pump liquid from the part of said tank below said partition structure through one of said passageways into the part of said tank above said partition structure and for discharging it laterally at an elevation above said partition structure, the capacity of said pump being in excess of the rated throughput of said tank, and solids outlet means from said lower part of the tank.

2,580,762
PROTECTIVE CLOSURE
Joseph R. Grenier and Ernest W. Dormeyer, Jr., Buffalo, N. Y.
Application April 28, 1950, Serial No. 158,898
3 Claims. (Cl. 220—42)



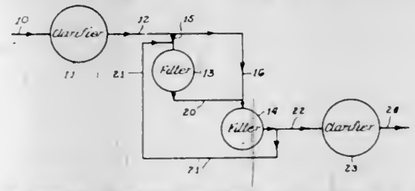
2. A closure comprising a single polyethylene body having a circular end wall, an enlarging frusto-conical side wall projecting axially from the margin of said end wall, said side wall being of substantially uniform thickness of from .025 to .040 inch and the angularity of said side wall relative to the axis thereof being from 2.5° to 7.5° and forming inner and outer parallel frusto-conical working faces adapted to engage securely, respectively, with male and female generally cylindrical parts, an annular flange projecting radially outwardly from the rim of said side wall, and an integral annular bead projecting radially inwardly from the rim of said side wall, said bead being wedge-shaped in cross section and arranged to provide an abrupt annular shoulder opposing said end wall.

2,580,763
RECORD CONTROLLED ACCOUNTING DEVICE
Leonard Gross, New Barnet, and Eric Bailey, Letchworth, England, assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 15, 1950, Serial No. 168,232
In Great Britain June 30, 1949
17 Claims. (Cl. 235—61.9)



1. In a record printing machine controlled by groups of records bearing numerical and alphabetical data indicia, each of said groups comprising detail records preceding alphabet records and distinguished therefrom by a special indicium on alphabet records, means for feeding said records in succession, means for sensing said data indicia, accumulating and printing control means operated under control of said sensing means, total printing control devices, means for sensing said special indicium when there is a change within a group from detail to alphabet records, and means under control of said indicium sensing means for controlling said printing means and said total printing means to print totals from the accumulating control means concurrently with alphabet data sensed from an alphabet card in the same cycle so as to print the alphabet data and a numerical value on the same line.

2,580,764
TWO STAGE FILTRATION OF SEWAGE
Johanna Gunz, Tucson, Ariz., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application October 3, 1947, Serial No. 777,673
6 Claims. (Cl. 210—7)



1. A sewage treating system comprising a raw sewage inlet, a first trickling filter and a second trickling filter, conduit means connecting said raw sewage inlet and said first and second filters in the sequence recited, conduit means for delivering raw sewage from said raw sewage inlet to said second filter, an outlet to waste from said

second filter only, and conduit means leading from the outlet of said second filter and discharging to said first filter.

2,580,765

METHOD AND COMPOSITION FOR TREATING WELLS

Elwin B. Hall, Los Angeles, Ernest F. Snyder, Long Beach, and Carl S. Seybold, Jr., Gardena, Calif.

No Drawing. Application January 7, 1949, Serial No. 69,844
3 Claims. (Cl. 252—8.55)

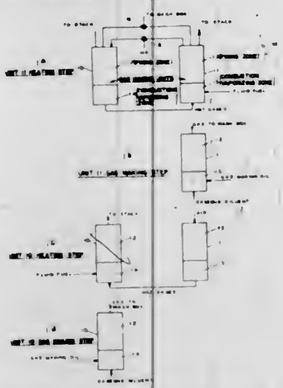
1. A method of treating an oil or gas well comprising washing said well with an aqueous solution containing from one and one-half percent. to five percent. of sodium acid pyrophosphate, from one percent. to five percent. of an anionic non-soap detergent, and from one-fourth percent. to two percent. of a nonionic detergent so as to disintegrate sheathing present in said well, said aqueous solution having a pH of between 3.5 and 4.5.

2,580,766

PROCESS FOR MANUFACTURING OIL GAS

Edwin L. Hall, Cleveland Heights, Ohio, assignor to American Gas Association, Incorporated, New York, N. Y., a corporation of New York

Application October 1, 1948, Serial No. 52,283
8 Claims. (Cl. 48—211)



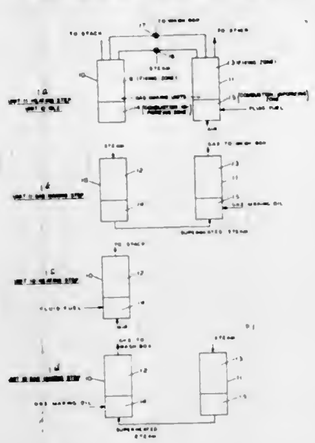
1. The process for the manufacture of oil gas by the pyrolysis of petroleum oil in which heat is stored in each of two gas-making units, each of which gas-making units comprises a fixing zone in flow-communication with a combustion-vaporizing zone, the combustion-vaporizing zones of said two gas-making units being in flow-communication with each other, which comprises abstracting a portion of said stored heat from the fixing zone and combustion-vaporizing zone of one of said gas-making units by passing air through said fixing zone in the direction of its communicating combustion-vaporizing zone, and thence through said combustion-vaporizing zone, to raise the temperature of the air and to burn carbon deposited in said fixing zone and in said combustion-vaporizing zone; admitting the resulting hot gases to the combustion-vaporizing zone of said first-mentioned unit while burning fluid fuel therein; the resulting hot gaseous products being swept through the fixing zone of said first-mentioned unit to store heat therein; admitting petroleum oil to the combustion vaporizing zone of said first-mentioned unit; vaporizing and pyrolyzing said oil in the combustion-vaporizing zone and fixing zone of said first-mentioned unit; withdrawing said vaporized and pyrolyzed oil from said first-mentioned unit; and repeating cyclically said sequence of steps.

2,580,767

PROCESS FOR MANUFACTURING OIL GAS

Edwin L. Hall, Cleveland Heights, Ohio, assignor to American Gas Association, Incorporated, New York, N. Y., a corporation of New York

Application October 1, 1948, Serial No. 52,284
6 Claims. (Cl. 48—214)



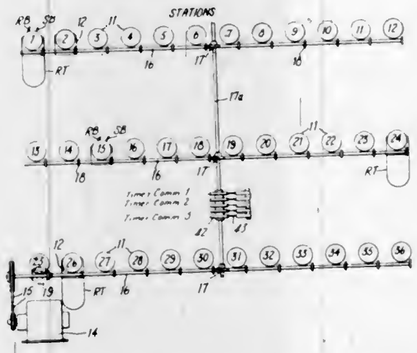
1. The process for the manufacture of oil gas by the pyrolysis of petroleum oil in which heat is stored in each of two gas-making units, each of which gas-making unit comprises a fixing zone in flow-communication with a combustion-vaporizing zone, the combustion-vaporizing zones of said two gas-making units being in flow-communication with each other, which comprises introducing air into the combustion-vaporizing zone of one of said units while burning fluid fuel therein, the resulting hot gaseous products being swept through its communicating fixing zone to store heat therein; abstracting a portion of the heat stored in the fixing zone and in the combustion-vaporizing zone of the other of said gas-making units by passing steam through said fixing zone in the direction of its communicating combustion-vaporizing zone and thence through said combustion-vaporizing zone to superheat said steam; admitting said superheated steam to the combustion-vaporizing zone of the said first-mentioned unit concurrently with the admission of petroleum oil thereto; vaporizing and pyrolyzing said petroleum oil in the presence of said superheated steam in the combustion-vaporizing zone and fixing zone of said first-mentioned unit; withdrawing the vaporized and pyrolyzed oil and steam from said first-mentioned unit; then introducing air into the combustion-vaporizing zone of said second-mentioned unit while burning fluid fuel therein, the resulting hot gaseous products being swept through its communicating fixing zone to store heat therein; abstracting a portion of the heat stored in the fixing zone and the combustion-vaporizing zone of said first-mentioned unit by passing steam through said fixing zone in the direction of its communicating combustion-vaporizing zone and thence through said combustion-vaporizing zone to superheat said steam; admitting said superheated steam to the combustion-vaporizing zone of the said second-mentioned unit concurrently with the admission of petroleum oil thereto; vaporizing and pyrolyzing said petroleum oil in the presence of said superheated steam in the combustion-vaporizing zone and fixing zone of said second-mentioned unit; withdrawing the vaporized and pyrolyzed oil and steam from said second-mentioned unit, and repeating cyclically said sequence of steps.

2,580,768

DATA LOOK-UP APPARATUS FOR COMPUTING OR OTHER MACHINES

Francis E. Hamilton, Endicott, Robert R. Seeber, Jr., Scarsdale, and Ralph W. Prentice, Newark Valley, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application August 14, 1947, Serial No. 768,600
48 Claims. (Cl. 235—61)



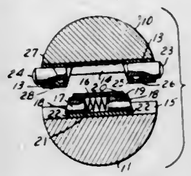
4. Table look-up apparatus for a computing machine or the like, including a group of feeding stations for records bearing successive data designations, one of said records being an argument data-bearing record and the other record or records of the group being functional data-bearing records, sensing means for the argument data designations, devices for manifesting a control argument, comparison means controlled by the manifesting devices and the sensing means for comparing the control argument with each of successive arguments designated on the argument data-bearing record, and means controlled by the comparison means for controlling the feeding stations of the entire group so as to concurrently locate, in readout positions, functional data designated upon a plurality of said records.

2,580,769

BRACELET CLASP

Abbot A. Harman, New York, N. Y.

Application December 22, 1948, Serial No. 66,652
4 Claims. (Cl. 24—230)



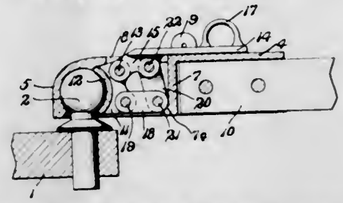
1. A clasp comprising a pair of complementary parts, a centrally disposed barrel carried by one of said parts having the ends thereof spaced inwardly from the adjacent margins of said one part, a pair of outer barrels carried by the other of said parts, said outer barrels being disposed in axial alignment with said central barrel when said parts are disposed in face abutting relation, a pair of oppositely disposed locking bolts carried by said central barrel, a spring between said bolts constantly urging the latter outwardly to locking position, and releasing pins slidably carried by said pair of barrels adapted to confront said bolts whereby inward movement of said releasing pins will move said bolts inwardly to released position.

2,580,770

HITCH

Charles M. Harris, Holland, Mich.

Application May 15, 1950, Serial No. 162,069
3 Claims. (Cl. 280—33.17)



1. A hitch comprising, a body of inverted channel form in cross section, having a top web and spaced depending side flanges and a depending end closure integral with the body, at its inner side having a concave recess adapted to partly receive a ball member therein, said top web having an opening between its ends, one end of said opening being adjacent said ball receiving recess, a movable socket member spaced from said end of the body having a concave recess in the outer side thereof adapted to engage the opposite side of a ball to thereby, with the end of the body, complete a ball receiving socket, means for pivotally mounting said socket member adjacent its upper portion on and between the sides of said body, a generally horizontal link pivotally connected at one end to said movable socket member below the pivotal mounting of the socket member, a second link pivotally connected at the opposite end of said first mentioned link extending upwardly therefrom, and a flat handle adapted in one position to lie against the top web of the body and at one end extending over the opening in said top, said handle at the end portion thereof over said opening having a downwardly extending projecting portion having the outer end thereof pivotally mounted upon the pivot mounting for said movable socket member, and the second link, at its upper end, having a pivotal connection to said projection at a distance spaced

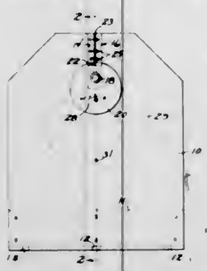
from the pivotal mounting of said socket member substantially equal to the distance between the pivotal connections of the first mentioned link to the second link and to said movable socket member, the distance between the pivots connecting said second mentioned link to the first mentioned link and to said projection on the handle being greater than the distance between the pivotal connection of the movable socket member and the body and the pivotal connection of said first link to said movable socket member, said links being housed between the depending side flanges of the body when said handle is in its horizontal position against the top of said body.

2,580,771
STEPPING REGISTER
Leonard R. Harper, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 28, 1950, Serial No. 197,960
17 Claims. (Cl. 250—27)



7. A stepping register comprising a series of electrically bi-stable triggers, means for connecting said triggers in cascade, means for entering a value into the first trigger of the series by selectively setting the trigger "on" or "off," if so required by a first entry, diode means comparing the electrical status of said first trigger and that of the next succeeding trigger, and means including said diode means for stepping the "on" or "off" condition of said first trigger to said second trigger, only if the respective trigger "on" and "off" status differ, and diode means for each of the pairs of triggers, including said second trigger, for similarly stepping the "on" and "off" conditions from a preceding trigger to the succeeding trigger.

2,580,772
DEVICE FOR MAKING PACKING RINGS
Earl C. Hawkins, Buffalo, N. Y.
Application May 16, 1950, Serial No. 162,295
2 Claims. (Cl. 164—78)



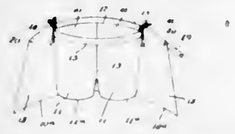
1. In a device for making packing rings, a vertically disposed body member provided with a rectangular cutout adjacent its top, an apertured bracket secured to the bottom of said body member for supporting the latter, there being an opening in said body member below said cutout, a base piece having an inclined front portion projecting through said cutout, there being a slit arranged in said base piece, a plurality of pointed needles projecting forwardly from said base piece, there being a threaded socket arranged in said base piece in alignment with the opening in said body member, a shaft projecting through said opening and into engagement with said socket, a plastic mandrel supported on said shaft, there being a V-shaped slit arranged in said mandrel in registry with the slit in said base piece.

2,580,773
METHOD AND COMPOSITION FOR COATING ALUMINUM WITH ZINC
Samuel Heiman, Philadelphia, Pa., assignor to Philadelphia Rust-Proof Co., Philadelphia, Pa., a firm
No Drawing. Application July 31, 1948, Serial No. 41,891
6 Claims. (Cl. 117—130)

1. The method of coating aluminum articles with an adherent smooth deposit of zinc which comprises cleaning the aluminum article to remove substantially all of the surface oxide film and immersing the cleaned aluminum article in an aqueous bath consisting essentially of water, a water-soluble zinc salt and a water-soluble fluoride, the concentration of the zinc salt in said bath being in the range of 3 N to 7 N and the concentration of the fluoride being in the range of 0.2 N to 2.5 N.

5. An immersion aqueous bath for depositing metallic zinc on a clean aluminum surface substantially free of surface oxide film which consists essentially of water, a water-soluble zinc salt and a water-soluble fluoride, the concentration of the zinc salt in said bath being in the range of 3 N to 7 N and the concentration of the fluoride being in the range of 0.2 N to 2.5 N.

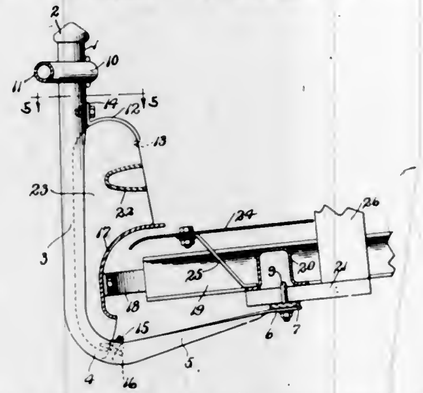
2,580,774
COMBINED SKIRTED AND BIFURCATED GARMENT
Mary C. Helbig, Plainfield, Ind.
Application July 10, 1948, Serial No. 38,072
2 Claims. (Cl. 2—212)



1. A garment of the type described, comprising a back adapted to extend downwardly from the wearer's waist, a front adapted to extend downwardly from the wearer's waist over the front of the wearer's body, each of said back and front comprising a pair of similar fabric pieces each of which has a bottom edge, a top edge generally parallel to and shorter than said bottom edge, an outer edge joining the outer ends of said top and bottom edges, an inner edge shorter than said outer edge and joining the inner end of the bottom edge, and a concave edge joining the inner end of the top edge to the inner edge, the concave edges of the two fabric pieces constituting said front being secured together, the concave edges of the two fabric pieces constituting the back being secured together, and the inner edges of the two fabric pieces constituting the front being secured respectively to the inner edges of the two fabric pieces constituting the back, releasable means for attaching the upper corners of the front to the upper edges of the back at the sides of the wearer, the side portions

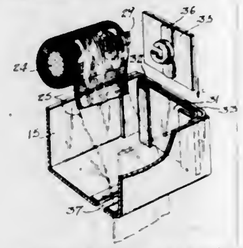
of said back extending outwardly beyond the upper corners of the front to form lateral skirt-forming extensions adapted to extend forwardly from said releasable means and at least partially across the front of the wearer's body to overlap said garment-front, the upper edges of said extension being free and replaceable means for securing said extensions in position at the front of the wearer.

2,580,775
GRILLE GUARD
Laurence C. Helms, Travis R. Helms, and George Tungett, Grand Rapids, and John K. Noonan, Cedar Springs, Mich., assignors to Helms Industrial Development Company, Grand Rapids, Mich., a corporation of Michigan
Application January 19, 1948, Serial No. 3,104
2 Claims. (Cl. 293—65)



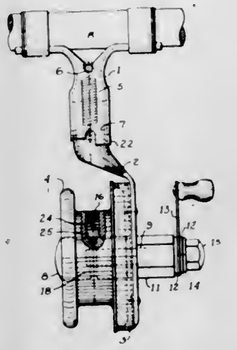
1. A grille guard structure comprising, two horizontally spaced generally vertical posts adapted to be located in front of a bumper bar of an automobile, rearwardly extending generally horizontal members at the lower ends of said posts adapted to pass below the bumper bar, a cross-bar extending between and attached to the rear ends of said rearwardly extending members, means on said cross-bar between its ends adapted to connect the cross-bar at its central portion to a forwardly extending central portion of the frame of an automobile, each vertical post at its rear side having a recess therein into which the front edge portions of bumperettes on a bumper are adapted to be received, and upper and lower attaching means on each of said posts adapted to have a releasable connection to a bumperette on an automobile bumper.

2,580,776
ROLLING WINDOW SCREEN
Harry Herman, Brooklyn, N. Y.
Application September 30, 1949, Serial No. 118,915
1 Claim. (Cl. 160—23)



In a rolling screen having a spring-roller with screening material rolled thereon and a pivot pin at one end of the roller and a flat pin at the spring end of the roller, a compartment having one side open, a pivot bracket secured at one end of said compartment for receiving the pivot pin, a pair of slide receiving slots at the other end of said compartment, a bracket slidably fitted in said slots, and a restraining bracket secured to said bracket and the flat pin being insertable into said restraining bracket when said first bracket is removed from said slots.

2,580,777
FISHING REEL
Robert H. Hewlett, Pittsburgh, Pa.
Application April 24, 1948, Serial No. 22,965
3 Claims. (Cl. 242—84.5)

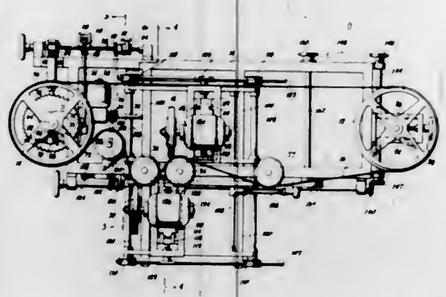


1. A fishing mechanism comprising a tubular support, a swivel joint in said support and a circular cupped shield attached on one end portion, a spindle rotatably supported on said end portion, said spindle having a drum-like hub on one end, a spool secured on said hub rotatable with said hub but yieldingly releasable from said hub, a manually operable crank secured on the other end of said spindle; the other end portion of said support being diametrically divided and angled out in opposite directions forming arcuated wings for attaching to a fishing rod, and elements of said swivel joint comprising intermediate portions of said support telescoping movably one within the other, resilient means within the joined portions securing said portions one within the other, U notches in the end of the outer portion automatically engaging a protuberance of the inner portion for securing the spool supporting section non-rotatable in a first position with the spool axis parallel to the attaching wings, and in a second position with the spool axis perpendicular to the attaching wings, and in a third positon the direct opposite of the second position, said resilient means urgingly yielding said joined portions end-wise for disengaging said protuberance to change the position of the spool supporting section.

2,580,778
BANDCUTTER SHARPENING MACHINE
Joseph Hexter and William E. Lanham, Atlanta, Ga., assignors to Columbia Baking Company, Atlanta, Ga., a corporation of Delaware
Application February 4, 1949, Serial No. 74,524
4 Claims. (Cl. 51—38)

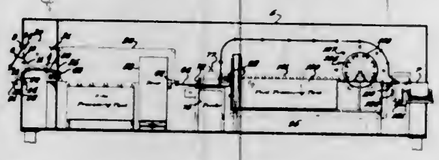
1. In a band cutter sharpening machine, a plurality of guide sheaves arranged in a plane to turn about axes disposed perpendicular to the plane of the sheaves constituting a cutter guide

course for supporting a band cutter, means associated with one of said sheaves for imparting periodic indexing movement thereto, means for adjusting one of said sheaves in a radial direction within the plane of the course for adjusting



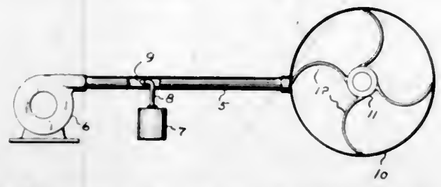
the length of said course to accommodate the same to band cutters of different lengths, a driven grinding wheel disposed at each side of said course, and common means for imparting a straight line reciprocating movement to said grinding wheels.

2,580,779
PHOTOGRAPHIC PROCESSING APPARATUS
Eric H. Heyer, Los Angeles, and Edward Z. Walters, North Hollywood, Calif.
Application December 16, 1947, Serial No. 792,016
13 Claims. (Cl. 95—73)



1. An automatic photographic continuous developing and printing machine for a roll of negative film on a spool comprising a serially arranged negative developer unit, a drying unit for said negative, a printing unit, a paper print stock developer unit, a drying unit for said paper print stock, an individual single loop belt carrier for said negative passing through said negative developer unit and said drier unit for said negative, an individual single loop belt carrier for said paper print stock passing through said print stock developer unit and said drying unit, means for separating rolls of exposed but undeveloped negatives of varying widths and lengths from their respective paper backings, mechanical means for automatically and physically attaching said undeveloped negatives to said negative developing belt carrier upon contact of said negatives with said means, wedge means for passing between said carrier and negatives for physically separating said negatives from said carrier after development and drying of said negatives, means for advancing paper print stock in contact with the developed negatives, and mechanical means for automatically and physically attaching said exposed print stock to said print stock developing belt carrier, wedge means for passing between said print stock and said carrier for physically separating said print stock from its carrier after development and drying of said stock, and means for delivering both said print stock and negative to a common point.

2,580,780
METHOD OF MIXING SUBSTANCES
Benedict E. Hirshon, Brookline, Mass.
Application March 21, 1950, Serial No. 150,938
2 Claims. (Cl. 259—4)



1. A process for mixing a relatively small quantity of a first substance with a relatively large quantity of a second substance, said process comprising the steps of dispersing the first substance uniformly in a volatile liquid, atomizing the liquid in a gas stream and utilizing that stream to dry the spray, and moving at least a substantial part of the second substance in a non-compacted state across the path of said gas stream to rob said stream of suspended particles.

2,580,781
FLEXIBLE DRIVE COUPLING
James F. Hoffer, Detroit, Mich.
Application April 13, 1948, Serial No. 20,711
1 Claim. (Cl. 64—12)

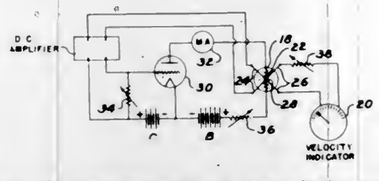


A flexible coupling comprising driving and driven members disposed in encircling and spaced relationship with each other, a plurality of angularly disposed flexible leaf elements interconnecting said members and uniformly spaced thereabout, means including pins rigidly connecting the outer ends of said elements to one of said members, and means including other pins rigidly connecting the inner ends of said elements to the other of said members, said elements being of substantially uniform thickness and having pin receiving apertures at each end thereof receiving said pins therethrough disposed at a distance from the adjacent end which is substantially less than the distance of said aperture from the lateral edges of said element and the transverse dimension intermediate the ends thereof being substantially less than the transverse dimensions adjacent the end thereof.

2,580,782
THERMOCOUPLE HOT WIRE ANEMOMETER
Anton R. Hoffmann, Southport, and Walter J. Crump, Stratford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 7, 1946, Serial No. 708,378
4 Claims. (Cl. 73—204)

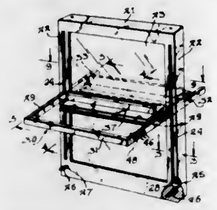
1. In an airspeed indicator for a helicopter, a tube for confining a portion of the free air-

stream flowing over said helicopter, an electrical resistance element positioned in the airstream in said tube, means for supplying current to said heating element, a thermocouple responsive to temperature changes in said heating element, and means for controlling the current supplied to said heating element so that the generated E. M. F. of the thermocouple is substantially a linear



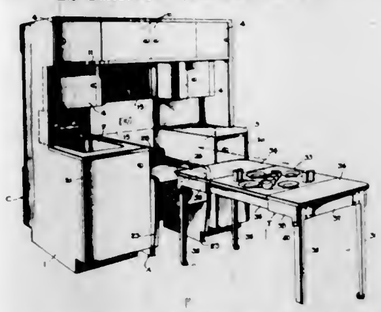
function of the velocity of the airstream flow across said heating element, including an electronic device controlled by the output of said thermocouple and having an electrical characteristic curve substantially inverse to that of the uncompensated thermocouple output, and means including a second thermocouple responsive to the temperature of said heating element for indicating the temperature of the latter in terms of air speed.

2,580,783
DUAL WINDOW WASHING DEVICE
Frank Grooms Holmes, Philadelphia, Pa.
Application June 19, 1947, Serial No. 755,596
6 Claims. (Cl. 15—252)



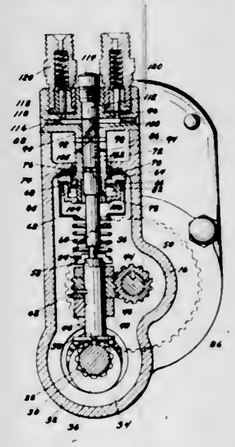
1. In combination with a window having a frame enclosing a window pane and formed along the sides thereof with vertical slots, a device for cleaning the inner and outer surfaces of the pane, comprising a U-shaped frame having hollow side arms extended through the vertical slots and an intermediate handle portion located inside the window pane for moving the U-shaped frame up and down within the lengths of the slots, a washing element having radially extended arms provided at their free ends with wiping members rotatively supported between said side arms on the inner side of the pane for cleaning the inner side of the pane as the U-shaped frame is moved vertically, said side arms being formed with laterally aligned notches spaced from said washing element to be located outside of the window pane when said washing element is engaged against the inner face of the window pane, a second washing element having radially extended arms provided at their free ends with wiping members removably and rotatively supported in said notches and extended between said side arms for cleaning the outer side of the window pane as the U-shaped frame is moved vertically, means within the side arms for turning the washing elements to align a fresh wiping member with the inner and outer surfaces of the window pane, and means for locking said washing elements against rotation with desired wiping members engaging the inner and outer surfaces of the window panes.

2,580,784
KITCHEN CABINET ARRANGEMENT AND TABLE
Boris Hoppe, Kew Gardens, N. Y.
Application January 17, 1946, Serial No. 641,739
12 Claims. (Cl. 312—277)



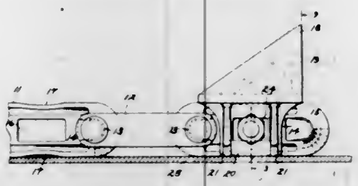
1. In combination, a cabinet, a member supported at a desired level upon said cabinet, a table comprising a horizontal table top and a leaf hinged to one end thereof, said table top having a height substantially less than that of the top surface of said member, said table being constructed and arranged to be moved, while the table top and its leaf are horizontally disposed, to a position at one side of said member, and means below said table top responsive to movement of the table to said position for engaging a stationary element operatively associated with said cabinet and for moving the horizontal table top upwardly and there retaining same approximately at the upper level of said member with the table leaf depending from said table top.

2,580,785
INJECTION PUMP
Vladimir J. Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application October 29, 1945, Serial No. 625,305
5 Claims. (Cl. 103—2)



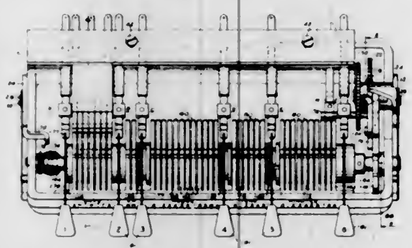
1. A fuel injection pump comprising a reservoir, a cylinder extended therethrough having an intake port in direct communication with the reservoir and spaced discharge ports, a piston in the cylinder having a distributing portion including a helical slot adapted to register with the discharge ports in sequence, and means for reciprocating and rotating the piston.

2,580,786
CONVEYER FLIGHT
Maurice G. Jewett, Milwaukee, and Benjamin E. Sivyer, Whitefish Bay, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 8, 1946, Serial No. 682,030
11 Claims. (Cl. 198—176)



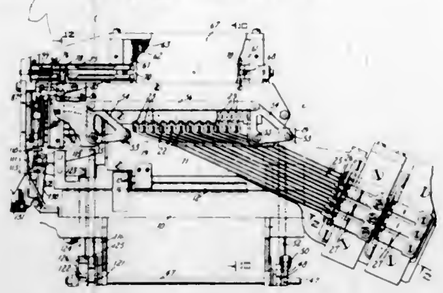
1. A detachable assembly of a flight and an integral chain link having a centrally disposed aperture defined by struts integral with the link, the flight having a conveying face and flanges depending from the lower surface of the flight arranged to straddle the intermediate portions of said links, said flanges having apertures disposed to register with the aperture in said link, but of shorter length than the link aperture, locking inserts for said assembly arranged to abut said struts and engage the sides and ends of the openings in said flanges, and a bolt disposed between said inserts to retain their locking position whereby the flight is securely fastened to the link.

2,580,787
IMPULSE-ACTUATED PROGRAM DEVICE
Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 12, 1947, Serial No. 768,142
38 Claims. (Cl. 161—1)



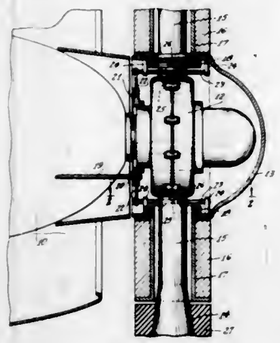
1. In a program device, a rotatable member having a contact-operating tooth thereon, a pair of normally open contacts positioned in the path of movement of said tooth and adapted to become closed by the latter in passing when the drum is rotated, means for applying a torque to said member tending to rotate the same, additional teeth on said rotatable member, a plurality of stop fingers, one for each of said latter teeth, said fingers each being movable from a retracted position out of the path of movement of its respective tooth to a projected position in the path of movement thereof and adapted when in said latter position to engage its respective tooth and render said torque applying means ineffective to rotate the member, and time controlled means for moving said stop fingers into and out of the path of movement of their respective teeth.

2,580,788
SELECTIVE PRINTING AND PUNCHING MECHANISM
Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application November 6, 1946, Serial No. 708,163. Divided and this application July 1, 1948, Serial No. 36,327
7 Claims. (Cl. 101—19)



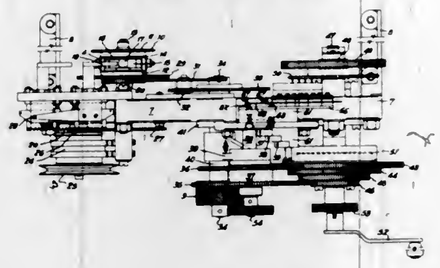
3. In a printing and punching machine, a row of punches, one for each index point position of a column of a record card, selecting and actuating means therefor, a group of printing wires adapted to print in line with said row of punches, a pair of slides differentially positionable by said punches to represent the character punched, mechanism controlled by said slides for selecting printing wires corresponding to the pattern of the character punched, and means for actuating the selected wires during the actuation of the punches.

2,580,789
ADJUSTABLE PROPELLER CUFF
Frederick V. H. Judd, Canton, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 5, 1945, Serial No. 626,647
4 Claims. (Cl. 170—135.743)



3. The combination with an aircraft power plant having a cowling spaced therefrom to provide an annular space for air flow around the power plant, a propeller assembly including a plurality of adjustable pitch blades, and a spinner forming a part of said assembly, of a plurality of cuffs carried by said spinner, each said cuff surrounding and spaced from a shank portion of each of said blades respectively, each of said cuffs being formed as a fan blade for forcing air through said annular space upon the rotation of said propeller assembly, and means for mounting each of said cuffs on said spinner and for adjustably varying the pitch of said cuffs, the last named means being independent of said blades and of the pitch adjustment thereof.

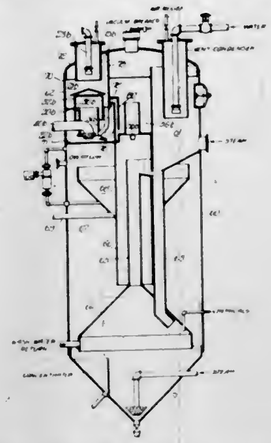
2,580,790
GEAR ASSEMBLY FOR TOTALIZATORS
Awdry Francis Julius, Sydney, New South Wales, Australia, and George Alfred Julius, deceased, late of Sydney, New South Wales, Australia, by Eva Dronghsia Odierna Julius, Killara, near Sydney, New South Wales, Australia, and Awdry Francis Julius and Russell Stuart Hicks, Sydney, New South Wales, Australia, executors, assignors to Automatic Totalisators Limited, Sydney, New South Wales, Australia
Application June 30, 1948, Serial No. 36,170
In Australia June 30, 1947
3 Claims. (Cl. 74—348)



1. A gear change mechanism for use with race totalisator odds computing devices comprising, a main gear pinion, a plurality of output gears which are fixed together in coned arrangement, a levy gear unit including a driven gear meshed with said main pinion and a driving gear fixed co-axially to said driven gear for selective engagement with said output gears, a swing bracket provided with a projecting boss and a shoulder portion extending laterally with respect to said boss said swing bracket being axially and angularly movable relative to said main gear pinion and having said levy gear unit freely revolubly mounted thereon, a gauge block having a plurality of stepped face portions corresponding to the number of said output gears against which the shoulder portion of the swing bracket may abut to determine axial alignment of the levy gear unit with said output gears, said gauge block being provided with a plurality of spaced cavities corresponding to the number of output gears within which said boss may be received to determine angular alignment of the levy gear unit with said output gears.

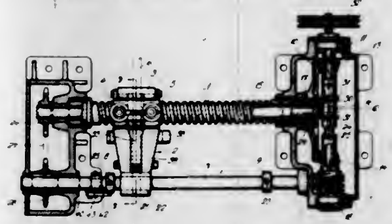
2,580,791
DEAERATING APPARATUS
James M. Kahn, Glencoe, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application July 17, 1950, Serial No. 174,197
7 Claims. (Cl. 183—2.5)

4. Apparatus of the type described comprising a deaerated water storage tank, a wall extending from the bottom of said storage tank to an elevation spaced below its top and separating in said storage tank, a central deaerating chamber from an outer storage compartment, the top edge of said wall providing an overflow from said deaerating chamber to said storage compartment, a heating chamber mounted on the top of said storage tank, inlet means for introducing water to be treated into said heating chamber including a spray head in said heating chamber, a vent leading from said heating chamber, a vertically extending inner tube centrally located in said deaerating chamber, an outer tube surrounding the upper portion of said inner tube and extending through the top of said storage



tank into said heating chamber, a conduit leading from the lower portion of said heating chamber through the top of said storage tank and discharging to said inner tube, means for introducing steam into said inner tube, and an outlet for deaerated water from said storage tank.

2,580,792
WIRE-COILING MACHINE
Per T. Karlsson, Smogen, Sweden
Application March 22, 1950, Serial No. 151,080
In Sweden February 17, 1948
3 Claims. (Cl. 242—158)



1. A winding machine for effecting an even distribution of a strand on a drum comprising a rotatable hollow externally threaded shaft, a member including guides for the strand movably cooperating with said threaded shaft to distribute the strand along a drum when said threaded shaft rotates, an externally displaced shaft parallel with said threaded shaft, flanges on said displaceable shaft with which said member cooperates to effect the axial displacement of said shaft responsive to movement of said guiding member, a gear fixed to said threaded shaft, a driving shaft, a clutch member slidably mounted on said driving shaft for rotation therewith, two pinions rotatably mounted in engagement with said gear on said driving shaft and engageable by said clutch member, an inner shaft rotatably arranged in said threaded shaft and driven by said displaceable shaft, an eccentric on one end of said inner shaft cooperable with said clutch member to move the same axially into engagement with one or the other of said pinions, and means operative responsive to movement of said displace-

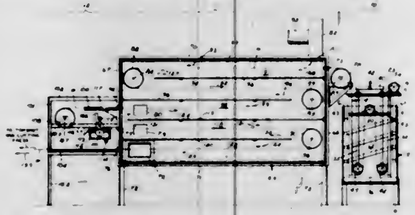
able shaft, to engage the same with said driving shaft to effect a driving connection between the shafts so that when the displaceable shaft is in one end position, said clutch member is connected with one of said pinions and in the other end position, said clutch member is connected with the other one of said pinions.

2,580,793
VAPORIZER
Max Katzman, Brooklyn, N. Y.
Application November 2, 1948, Serial No. 57,964
5 Claims. (Cl. 299—121)



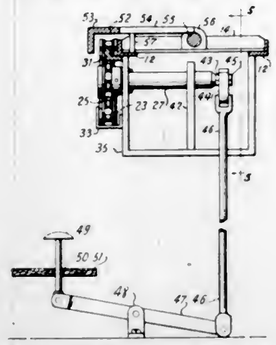
1. In an atomizer, in combination, a molded cover of plastic insulating material having a nozzle extension formed with substantially straight parallel sides, and a detachable shield of resilient material open at the bottom and having an attaching portion which, when expanded, embraces the nozzle extension and grips the flat sides thereof, said cover including headed fastener means, and said attaching portion of the shield being slotted to interfit and cooperate with said headed fastener means to assist in preventing accidental disarrangement or separation of the shield.

2,580,794
APPARATUS FOR MAKING DISINTEGRATING TOP SHOT WADS
William N. King and Nicholas A. Romanchuk, Anoka, and Ralph Lynn, Minneapolis, Minn., assignors to Federal Cartridge Corporation, Minneapolis, Minn., a corporation of Minnesota
Application December 6, 1948, Serial No. 63,746
4 Claims. (Cl. 91—55)



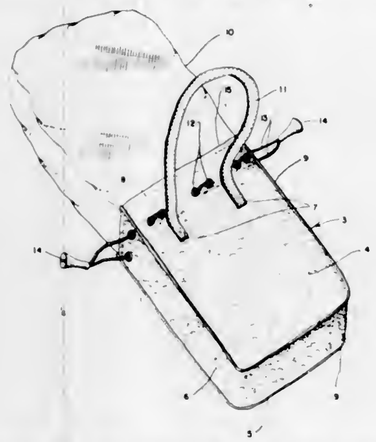
1. An apparatus for preparing dried, polymerized, resin-impregnated paper board in preparation for punching disintegrating top shot wads therefrom comprising means for impregnating a continuous web of paper board with resin and for then drying and polymerizing the same, said means for impregnating including a dip tank open at the top, a supporting frame removably positioned in said dip tank, means on said frame for guiding the web downwardly into the tank in a plurality of passes and upwardly from said tank, said supporting frame having a base and uprights disposed within said tank and being entirely removable as a unit through the open top of the tank and a surrounding heating coil mounted on the framework within the tank, said heating coil being removable thru the open top of the tank in conjunction with the frame on which said coil is mounted.

2,580,795
WORK FEEDING AND POSITIONING MECHANISM
Eden T. Kitchell, Dallas, Tex., assignor to J. E. Bush, Dallas, Tex.
Application February 14, 1947, Serial No. 728,575
2 Claims. (Cl. 198—160)



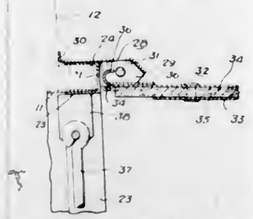
2. A work feeding and positioning mechanism including, a support, an endless chain conveyor carried by the support, a hold-down member having an angle bar overlying and extending longitudinally of the conveyor for holding angular work in engagement with said conveyor, the hold-down member being pivotally connected to said support for swinging movement in an arc transverse and about a horizontal axis parallel to said conveyor to permit positioning of the work, and drive means for intermittently actuating said conveyor.

2,580,796
SHOPPING BAG
Herman H. Kleiss and Eva B. Kleiss, Chicago, Ill.
Application June 24, 1950, Serial No. 170,158
1 Claim. (Cl. 150—1.7)



A shopping bag, comprising a bag having a mouth portion, a waterproof flexible liner secured interiorly of said bag at the mouth thereof to permit inverting the said liner outside the confines of the said bag, a pair of handle elements secured to opposite outer sides of the said bag, and drawstring means secured to the said outer bag adjacent the said mouth portion and intermediate the point the said liner is secured to the said bag and the point at which the said handle elements are secured to the said bag, the said drawstring means including a series of grommeted openings perimetrally distributed about the said mouth, a pair of pull cords reeved through the said openings, and pull knob means securing each pair of termini of the said pull cords, the said bag and the said liner being made of different materials.

2,580,797
WALL BOX FAN
Gustav H. Koch, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 5, 1948, Serial No. 31,361
3 Claims. (Cl. 98—116)



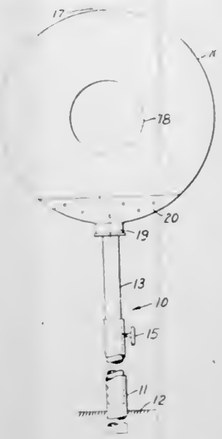
1. In a wall box fan, a casing structure comprising a sheet metal member including a vertical outer wall and top and side flanges extending inwardly from the top and the sides of said outer wall, a sheet metal hood member including a substantially flat and horizontal portion extending along the top of and secured to said top flange and further including flanges or hinge legs extending downwardly from the ends of said horizontal portion and secured to said side flanges, whereby said hood member serves to connect said top and side flanges, said hinge legs extending forwardly of said outer wall and a hinge pin attached to said hinge legs in outwardly spaced relation to said outer wall, said horizontal portion of said hood member extending outwardly beyond and over said hinge pin to provide a hood therefor.

2,580,798
BROAD-BAND ANTENNA SYSTEM
Frederick A. Kolster, San Francisco, Calif.; Muriel Kolster administratrix of said Frederick A. Kolster, deceased
Application May 22, 1947, Serial No. 749,699
15 Claims. (Cl. 250—33.59)



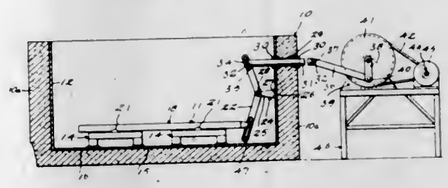
1. A broad-band antenna system for efficient transmission or reception throughout a wide band of frequencies including many channels and in a desired direction comprising mutually coupled low Q dipoles of such substantially different length that they respectively exhibit fundamental resonance at frequencies whose ratio is greater than 1.5, the field patterns of said dipoles complementarily combining at each of all frequencies of the band in avoidance of nulls in said desired direction and the self and mutual reactances of said dipoles combining at each of all frequencies of the band to provide an equivalent reactance which is low, said dipoles being spaced apart in parallel axial alignment to permit capacitive coupling therebetween, and a transmission line connected to the center point of the longer dipole.

2,580,799
REVOLVING TARGET
Charles E. Lauterbach, Pasadena, Calif.
Application June 10, 1949, Serial No. 98,282
3 Claims. (Cl. 273—105)



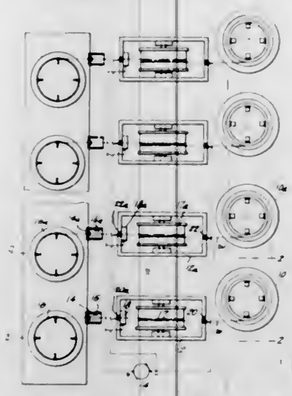
1. In a goal apparatus for a ball game, the combination which comprises a standard adapted for mounting in an upright position on a playing field, a target plate having its opposite sides marked differently and disposed above the standard with its major surfaces upright and mounted on the standard so as to rotate freely on a substantially vertical axis passing through the center of the target plate, and a target disposed in the approximate center of the target plate.

2,580,800
AUTOMOBILE RADIATOR CLEANING DEVICE
Anthony E. Lavender, Hartford, Conn.
Application August 27, 1947, Serial No. 770,940
3 Claims. (Cl. 134—165)



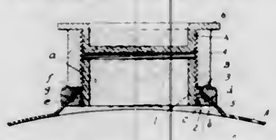
1. In an open fluid tank, an article supporting member including a rectangular frame having an upstanding flange formed on the marginal edges thereof, and a plurality of transverse supporting members having the opposite ends thereof secured to the side members of said frame, transverse axle members carried below said frame, rollers rotatably mounted on the opposite ends of said axles, guide means on the bottom of said tank and engaging said rollers, a lever rockably mounted intermediate the length thereof, on an end wall of said tank, means connecting one end of said lever and said frame, a shaft slidably extending through said end wall and having one end connected to the other end of said lever, and means connected to the other end of said shaft for reciprocating said shaft whereby an article positioned on said article supporting member will be reciprocated in said open fluid tank.

2,580,801
METHOD OF MAKING LUSTROUS STEEL MUSIC WIRE
William E. Leonard, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application April 10, 1946, Serial No. 660,963
2 Claims. (Cl. 204—28)



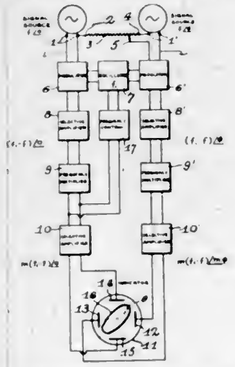
1. In a method of making lustrous steel music wire, the steps including drawing steel wire rod dry through dies, thereby reducing it to a size at least two drafts larger than the desired finished size, i. e., between .0305" and .070" in diameter, then passing the wire around a drum at least partly immersed in a first dilute sulphuric acid bath of approximately 2 to 4% concentration containing a tin anode, maintaining the wire on the drum as the cathode in a circuit including said bath, said anode and a current source, thereby effecting principally an electrolytic cleaning of the wire accompanied by some electrodeposition of tin on the wire, drawing the coated wire through a die and thereby reducing it to smaller size and smoothing the coating, then passing the wire around a drum at least partly immersed in a second dilute sulphuric acid bath of approximately 2 to 4% concentration separate from the first and containing a tin anode, maintaining the wire on the second-mentioned drum as the cathode in a circuit including said second bath, the anode therein and a current source, thereby effecting principally the electrodeposition of a final continuous tin coating on the wire, and then drawing the wire through a die having a hole smaller than that of said first-mentioned die thereby reducing it to finished size and increasing the luster of its surface.

2,580,802
TANK INLET AND OUTLET SEAL
Peter H. Lindberg, Detroit, Mich.
Application March 29, 1948, Serial No. 17,665
3 Claims. (Cl. 220—39)



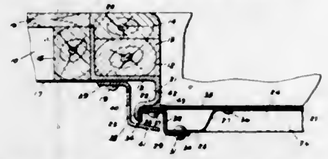
1. A tank inlet and outlet connecting unit adapted for mounting on a conical flanged wall opening of a sheet metal tank and used therewith, comprising a tubular thimble section formed with external threads the entire length thereof, a conical seal collar formed with internal threads rigidly mounted on one end of said thimble, a reverse conical clamp collar mounted loosely over the thimble section positioned adjacent the fixed seal collar designed to receive the tank conical opening wall therebetween, and a threaded clamping unit designed to screw over the threaded thimble section for engaging and forcing the conical clamp collar and inclosed tank conical opening wall against the adjacent seal collar.

2,580,803
PHASE MEASURING DEVICE
George R. Logan, Belleville, Ontario, Canada, assignor to Northern Electric Company, Limited, Montreal, Quebec, Canada, a corporation of Canada
Application January 12, 1950, Serial No. 138,179
In Canada December 2, 1949
4 Claims. (Cl. 172—245)



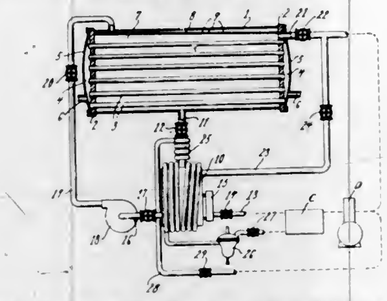
3. In a system for measuring the difference in phase between a first signal and a second signal of like frequency, having an input for each of said signals and means connecting said inputs to a phase comparing device, a positionable potentiometer bridging said inputs, said potentiometer providing means in one position whereby said first signal may be directed to both inputs to the exclusion of said second signal and being continuously variable to a second position such that said first signal and said second signal are directed to respective inputs.

2,580,804
WEATHERTIGHT SLIDING CAR DOOR
Gabriel Madland, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application September 3, 1947, Serial No. 771,979
6 Claims. (Cl. 20—21)



1. In a railway car having a wall provided with a door opening, said wall embodying a flange at the forward edge of said door opening, said flange extending outwardly, then forwardly and then outwardly to form a door abutment, a member secured to said wall, said member having an outwardly extending flange spaced forwardly of said wall flange and a rearwardly extending flange spaced outwardly of said wall flange, and a longitudinally sliding door on said wall for closing said opening, said abutment being adapted to engage said door to limit closing movement thereof, said rearwardly extending flange having outwardly spaced overlapping relationship with said door.

2,580,805
MEANS FOR PREVENTING ENTRAINMENT OF LIQUID REFRIGERANT WITH REFRIGERANT GAS
Edward R. Magnus, St. Louis, Mo., assignor to Snowhill Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application April 23, 1949, Serial No. 89,281
6 Claims. (Cl. 62—115)



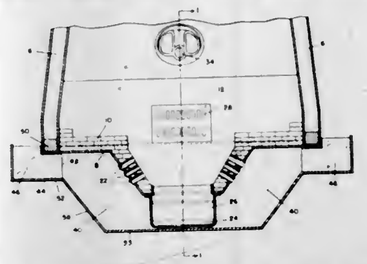
1. A refrigeration system comprising a compressor, a condenser operatively connected to the compressor, an evaporator operatively connected to the suction side of the compressor and having a sump, connection means for connecting the upper end of the sump to the evaporator, means for introducing liquid refrigerant from the condenser to the sump, means for circulating the liquid refrigerant from the sump to the evaporator, and auxiliary means located in heat exchange relation to the connection means for creating a cold zone between the evaporator and the lower portion of the sump, the temperature of which is substantially lower than the temperature of the gaseous refrigerant returning to the compressor from the evaporator.

2,580,806
DEPOSITION OF A METAL OXIDE CATALYST ON A CARRIER
Louis E. Malina, Philadelphia, Pa., assignor to Eugene J. Houdry
No Drawing. Application April 21, 1950, Serial No. 157,413
9 Claims. (Cl. 252—463)

1. The process of manufacturing a catalyst structure and composition which comprises uniformly dispersing an active metal oxide, selected from the group consisting of the oxides of aluminum, magnesium, beryllium and thorium, in solid finely divided form in a liquid solution selected from salts of the metals of said group and acids, then applying said mixture to a catalytically inert support and then subjecting the thus coated support to drying and the temperature required to leave on the support a film of the active metal oxide.

2,580,807
COMBUSTION AIR FEEDING STRUCTURE FOR OIL-BURNING LOCOMOTIVES
Vaughn Mansfield, Whitehaven, Tenn., assignor to Mansfield Engineering Company, Memphis, Tenn., a limited partnership of Tennessee
Application June 30, 1947, Serial No. 758,060
2 Claims. (Cl. 110—76)

1. In an oil burning locomotive having, in the lower rear portion thereof front, rear, side and bottom walls, an oil burner encased within said walls, each of said walls having air openings therethrough with outwardly disposed inlet ends for feeding air inwardly to said oil burner, a casing surrounding the above-mentioned walls of said lower rear portion and spaced outwardly



therefrom whereby to form a plenum chamber common to said inlet ends and whereby to shield the inlet ends from the passing airstream to which they otherwise would be exposed when the locomotive is in forward motion, and means at the sides of said casing and respectively adjacent each side of the locomotive for admitting air to said plenum chamber.

2,580,808
PROCEDURE FOR DISINFECTING AQUEOUS LIQUIDS WITH BROMINE
Henry C. Marks, Glen Ridge, and Frede B. Strandskov, Belleville, N. J., assignors to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
No Drawing. Application January 29, 1948, Serial No. 5,213
11 Claims. (Cl. 210—23)

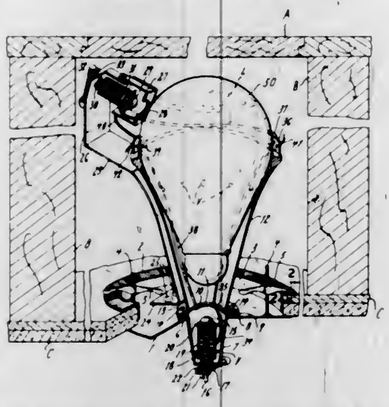
2. Procedure for treatment of aqueous liquid to remove contaminating material, comprising supplying available bromine to the liquid to provide therein an available bromine concentration of at least about 0.3 P. P. M. and supplying ammonia thereto in sufficient quantity to establish an ammonia content of at least about ten times the stoichiometric quantity relative to the bromine.

2,580,809
PROCEDURE FOR PURIFYING AQUEOUS LIQUID
Henry C. Marks, Glen Ridge, and Frede Bernhardt Strandskov, Clifton, N. J., assignors to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
No Drawing. Application June 14, 1949. Serial No. 99,133
13 Claims. (Cl. 210—23)

1. Procedure for treating aqueous liquid which may have a contaminating organic content, to provide a prolonged sterilizing effect in said liquid, comprising establishing in the liquid a content of a halogen of greater atomic weight than chlorine, in available form to provide an appreciable sterilizing effect, a part of said halogen being then reduced to halide by organic content of the liquid, and continuing sterilizing action in the liquid and re-establishing said content of said available halogen for further sterilizing effect, by introducing ozone in the liquid in amount sufficient to convert at least an appreciable part of the aforesaid halide into available halogen, said first-mentioned step of establishing a halogen content including supplying halogen material in amount to add at least about 0.2

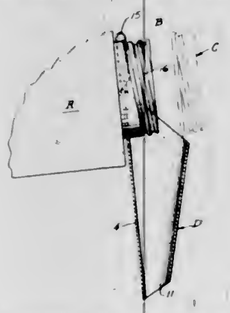
P. P. M. of said halogen to the liquid, and said procedure of establishing a halogen content and treating with ozone providing not more than about 100 P. P. M. residual content of said halogen in available form in the liquid.

2,580,810
AUTOMATIC SPRINKLER
Howard D. Mathis, Edwardsville, Ill.
Application June 20, 1949, Serial No. 100,176
1 Claim. (Cl. 169—26)



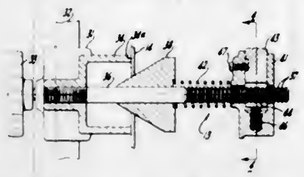
A fire extinguisher of fracturable material for mounting above a ceiling having an opening therein to permit the insertion therethrough of said fire extinguisher, a collapsible ring having a vertical portion and a horizontal portion, said ring being adapted to surround the opening in said ceiling, a plate covering the opening in said ceiling, bolts passing through said plate, members on said bolts for contacting said ring to securely hold said plate in position, said plate being also provided with a central opening, a portion on said fire extinguisher for protruding through said opening in said plate, the main portion of said fire extinguisher being above said plate and said ceiling and means associated with said projecting end portion of said fire extinguisher for fracturing said fire extinguisher when a predetermined degree of heat prevails.

2,580,811
DETACHABLE SPOUT FOR CONTAINERS
Nikolai Martinsen, Palo Alto, Calif.
Application October 10, 1949, Serial No. 120,433
1 Claim. (Cl. 222—460)



A pouring funnel for use in association with a container having a flat top having an upwardly projecting spout of given diameter which is adapted to receive a removable cap thereover comprising, a substantially flat base portion, a cover over said base portion, said base portion and said cover shaped and assembled to form a funnel piece having an inlet opening and an outlet opening, said base portion formed with a substantially semi-circular cut-out adjacent the inlet opening end thereof proportioned to snugly semi-circumferentially engage a container spout of given diameter, means including said cut-out to removably secure said base portion in snug engagement with said spout, whereby said base portion projects outwardly from said spout in a direction substantially normal to the axis of said spout, said cover adjacent the inlet opening end of the funnel piece formed with a substantially semi-circular cut-out in plan having a radius of curvature substantially greater than the radius of curvature of said semi-circular cut-out formed in said base portion, said semi-circular cut-outs formed respectively in said base portion and in said cover positioned relatively to one another whereat the cut-out formed in said base portion is disposed concentrically with respect to the cut-out formed in said cover whereby substantially unobstructed access may be had to said spout along its projected axis to permit removal and replacement of a removable cap thereover when said pouring funnel has been removably secured to said spout, the inlet end of said cover portion spaced outwardly from the top of the spout to which it is connected, said base portion disposed parallel to the container top and interposed between the top of the container to which it is attached and said cover portion whereby liquid poured from said spout into the said funnel is directed through said funnel without contacting the said top of the container from which poured.

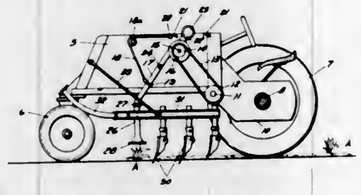
2,580,812
SAW HOLDER
James McEwan, San Jose, Calif.
Application December 23, 1947, Serial No. 793,357
1 Claim. (Cl. 76—79)



In a saw holder; an abutment device having an annular face; a shaft extending outwardly from said abutment device and disposed in axial alignment with said annular face; said abutment device having a groove disposed in a plane approximately parallel to said face and crossing said shaft to engage and enable the abutment device to be moved along a bar; a screw element on the abutment device extending into said groove and operable to clamp the abutment device to said bar, the longitudinal axis of said screw-element and said shaft being substantially in parallelism; a series of annular ratchet teeth on said shaft; a saw clamping cone slidably and rotatably mounted on said shaft for engaging a saw and holding it against said abutment device in centered relation with respect to said shaft; a ratchet collar member slidably and rotatably mounted on said shaft; a button member mounted transversely in said collar having an apertured portion with internal ratchet teeth for engagement with the ratchet teeth of said shaft; a spring engaged with said button member in a

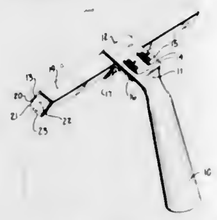
direction to maintain engagement of said teeth and to maintain the outer end of said button member projected beyond the periphery of the collar member in position for pushing movement to disengage said teeth; means slidably connecting said collar member and said cone for relative longitudinal movement and simultaneous rotating movement; a spring interposed between said cone and said collar member; the last-mentioned means, said collar member, said button member, said cone, and said springs forming a quick detachable clamping unit; one of said members having a recess; and the other member having a pin extending into said recess to hold said button member against detachment from said collar member to prevent their separation when the unit is detached from said shaft.

2,580,813
APPARATUS FOR USE WITH TRACTORS AND CULTIVATORS
Gustave L. Miller, Geneseo, Ill.
Application October 13, 1945, Serial No. 622,186
3 Claims. (Cl. 97—192)



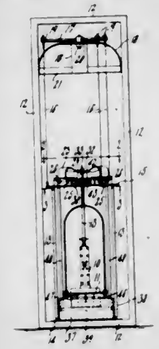
1. In combination with a tractor and a power shaft carried thereby, a blower casing rockingly mounted on said tractor, a rotary fan in said casing, an air pipe connected with said casing, means for rotating said fan from said power shaft for causing a current of air to flow into and through said pipe, a nozzle connected to the end of said pipe, cultivating devices carried by said tractor closely behind said nozzle, said nozzle being so supported in proximity to a row of plants that the current of air passing therethrough acts to support a plant during cultivation, said cultivating devices cultivating each plant coincidently with the action of the current of air in said nozzle on each said plant.

2,580,814
WINDOW WIPER
Maurice C. Morley, Brooklyn, N. Y.
Application August 3, 1946, Serial No. 688,290
1 Claim. (Cl. 15—245)



In a window wiper having a handle, a flat clamping arm continuing from the top end of said handle and in turn continuing along its free top edge into a flange directed at right angles to said clamp arm, a jaw extending parallel to said flange with one edge abutting said clamp arm and continuing at its other edge into a flange extended parallel to said clamp arm and cooperating with said clamp arm and its flange to form a clamp for a tubular casing, said clamping arm and said jaw being of uniform width, a tubular casing longitudinally slidably engaged in the clamp formed by said clamp arm and its flange, said casing being of a length considerably greater than the width of said clamping arm and said jaw, said casing having a corner between the adjacent edges of said flanges cutaway forming an opening extending the length of said tubular casing, an elongated rubber strip in said tubular casing and having an edge exposed beyond the edges of said casing defining its opening, said jaw having a right angularly extended portion along its said one edge engaged flat against said handle, said right angularly extended portion having spaced holes, said handle having elongated slots aligned with said holes and clamp bolts engaged through said aligned holes and slots securing said jaw to said handle, said slots having their lengths extended at right angles to said casing so that when said bolts are loosened said jaw can be moved away from said flat clamping arm and its flange freeing said casing to be slid longitudinally relative to said clamp.

2,580,815
VIBRATION ISOLATING SUPPORT
Melvin Mooney, Mountain Lakes, N. J., and Llewellyn E. Copeland, Des Plaines, Ill., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 28, 1948, Serial No. 67,686
7 Claims. (Cl. 248—18)

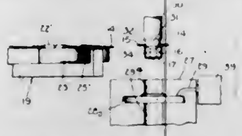


2. A vibration isolating mechanism for isolating horizontal vibrations comprising a base, vertically extending rods universally supported at one end on said base, a support for an instrument to be isolated universally supported in part on the upper ends of said rods, flexible suspension members attached to said support and adapted to carry the remaining weight of said support and instrument, and a resilient support for said flexible suspension members.

2,580,816
METHOD OF FORMING PLASTIC CASTINGS WITH METALLIC INSERTS
Louis H. Morin, Bronx, N. Y.
Application August 25, 1948, Serial No. 46,026
3 Claims. (Cl. 18—59)

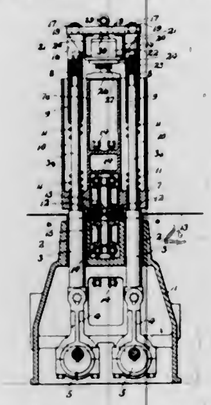
1. The method of feeding recessed bodies to a pair of relatively movable dies having mating cavities and casting a plastic member thereon which comprises feeding successive bodies by gravity to a body pickup station in alinement with

a vertically movable core and with said die cavities, yieldably restraining and supporting each body at said pickup station, moving the core downwardly into the recess of a body at the pickup station to frictionally engage and attach the body to the core, then removing the next successive bodies as a group in a direction away from said pickup station to provide a free path for the core and attached body, moving the core and body into the die cavities, closing the dies about the core and body, injecting molten plastic material into the die cavities to form a product comprising said plastic member surrounding the



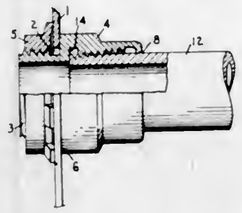
core and surrounding the body, said core preventing molten plastic material from entering the recess of said body, opening the dies, moving the core and the attached body having the plastic member thereon in the same direction as the preceding movements of the core to a trimming station adjacent the die cavities, closing the dies about said core above said body and plastic member and coincidently trimming the plastic member, then, while the dies are still closed, moving the core in a direction opposite to the said preceding movements to strip therefrom the body having the plastic member thereon and to withdraw the core from the die cavities.

2,580,817
FLASH REMOVING MACHINE
Henry Earl Morton, Muskegon Heights, Mich.
Application April 12, 1948, Serial No. 20,483
5 Claims. (Cl. 90—38)



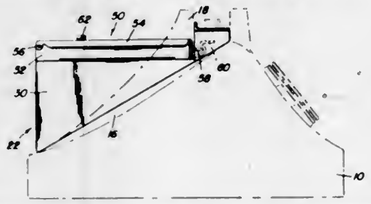
1. An attachment for flash removing machines comprising, an elongated horizontal frame having spaced apart sides and ends transverse of the sides at the ends thereof connected thereto, a plurality of vertical spaced cylinders carried by the sides of the frame, pistons, one in each cylinder, a member connected with and extending from each piston through the lower side of its cylinder and below it, means for supplying fluid pressure to said cylinders above the pistons therein, and attaching members, one at each corner of the frame, having means for attachment at their lower ends to a flash removing machine to locate the attachment above and lengthwise of a flash removing machine, whereby pressure exerted by the fluid pressure is adapted to be transmitted by said members connected with the pistons to a movable pressure actuated member by the flash removing machine.

2,580,818
CONNECTOR FOR CONDUITS
Paul A. Mundy and Charles A. Bashford, Detroit, Mich.; said Mundy assignor to said Charles A. Bashford, Detroit, Mich., doing business as Bashford Machine Company
Application May 1, 1948, Serial No. 24,518
7 Claims. (Cl. 285—6.5)



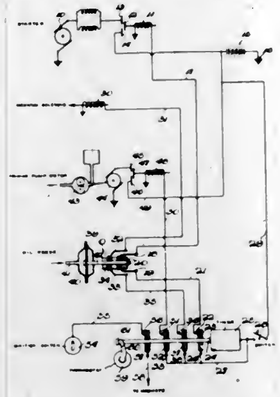
1. A connector adapted for connecting a tubular conduit to a supporting structure, such as an outlet box, comprising a tubular member having means thereon for attaching it to said supporting structure and also having an internal thread substantially uniformly tapered axially of said member, the starting turn of said thread being spaced from one end of said connector into which a conduit is adapted to be inserted, the internal diameter of said end of the connector being smaller than the crest diameter of the adjacent starting turn of said tapered thread and greater than the crest diameter of the turn of said tapered thread remote from said end whereby when a conduit is screwed into said connector said end cooperates with said tapered thread to provide a two point suspension for said conduit.

2,580,819
BRACKET FOR ATTACHING INDEX CARDS TO TELEPHONES
Charles E. Nagy, Newark, Ohio
Application September 14, 1949, Serial No. 115,575
2 Claims. (Cl. 179—178)



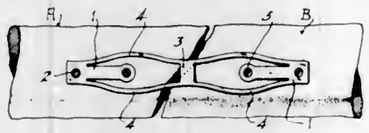
1. An attachment for telephones comprising a bracket having a horizontal upper plate and a slanting lower plate conforming to the contour of the rear slanting surface of a telephone base, a rear end wall and side walls supporting said upper plate relative to said lower plate, said upper plate abutting said lower plate adjacent the front end of said bracket, and including substantially L-shaped members each having a pair of legs formed at right angles to each other, the substantially vertical legs of said members being formed at right angles to said lower plate, the substantially horizontal legs of said members having apertures therethrough adapted to embrace a contact member of the telephone base.

2,580,820
AUTOMATIC STARTING CONTROL
Romeo M. Nardone, Teaneck, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application March 7, 1944, Serial No. 525,418
3 Claims. (Cl. 123—179)



1. In a starter mechanism control system, a starter, clutch jaw controlling mechanism, priming mechanism, an ignition circuit for the engine to be started, a timer motor, a shaft driven by said timer motor, cam contacts carried by said shaft for rendering said circuit and mechanisms effective in a predetermined synchronous relation, a thermostat responsive to variations in the temperature of the engine to be started, and means for operatively connecting said thermostat to said cam contacts whereby the period of operation of at least one of said mechanisms may be varied in accordance with changes of temperature at the engine to be started.

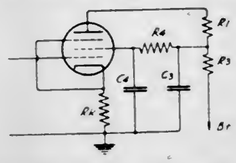
2,580,821
SPRING IMPACTOR BONE PLATE
Toufick Nicola, Montclair, N. J.
Application October 21, 1950, Serial No. 191,452
4 Claims. (Cl. 128—92)



3. A bone plate comprising end portions connected by longitudinal spring sections, said end portions to be fastened to end portions of fragments of a fractured bone and said spring sections having different portions intermediate their ends spaced different distances from the longitudinal center line of the plate.

2,580,822
AMPLIFIER NETWORK
Jerre D. Noe, Palo Alto, Calif., assignor to Hewlett-Packard Company, Palo Alto, Calif., a corporation of California
Application December 2, 1947, Serial No. 789,153
1 Claim. (Cl. 179—171)

In an electronic amplifier network for amplifying a wide range of frequencies including relatively low audio frequencies, the network incorporating a vacuum tube having plate, screen grid, control grid and cathode elements; of a plate circuit including a source of plate voltage and two serially connected resistors (R_1 and R_3), another resistor (R_4) having its one terminal connected to the screen grid and its other terminal connected to a point between the two first named resistors, whereby one of said first named resistors (R_1) is connected between the plate and said third resistor, a fourth biasing resistor



(R_k) connected between the cathode and the negative side of the plate voltage, a condenser (C_4) connected between the screen grid and the negative side of the plate voltage source, a second condenser (C_3) connected from the point between the two first named resistors to the negative side of the plate voltage source, the values of said resistors and said condensers being selected to conform substantially to a mathematical relationship expressed by the equation

$$R_3=R_4\left[\frac{G_{ss}}{G_m+G_{ss}}\right]\left[\frac{G_mR_1}{\mu_{ss}-G_mR_1+R_k(G_m+G_{ss})(\mu_{ss}+1)}\right]$$

and also the equation

$$C_4=C_3\left[\frac{G_{ss}R_1}{\mu_{ss}+R_k(G_m+G_{ss})(\mu_{ss}+1)}\right]$$

where R_1, R_3 and R_4 represent the values of the above identified resistors, C_3 and C_4 represent the values of the above identified condensers, G_m is the mutual conductance of the control grid with respect to the plate current, G_{ss} is the mutual conductance of the control grid with respect to the screen grid current, and μ_{ss} is the amplification factor of the screen grid with respect to the control grid.

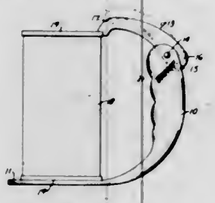
2,580,823
NOZZLE CONSTRUCTION FOR USE IN THE PNEUMATIC HANDLING OF FLOUR AND THE LIKE
Ragnar A. Norbom, New York, N. Y., assignor, by mesne assignments, to B. F. Fitch, Newport, R. I.
Application August 8, 1950, Serial No. 178,306
7 Claims. (Cl. 302—58)



1. A suction nozzle for use with a pneumatic conveyor system to effect the discharge of finely divided bulk material from a container having a horizontally disposed bottom wall, said nozzle comprising: a fixed tubular conduit adapted to be mounted in a horizontal position exteriorly of the container; a concentrically-arranged, extensible, double-wall tubular conduit telescopingly associated with said fixed conduit for projection into the container and axial movement along the bottom wall thereof, the inner wall of said extensible conduit forming a suction discharge passageway and the space between the walls of said extensible conduit forming a duct for conveying material-entraining air from outside the container for discharge adjacent the intake end of

said passageway, said fixed conduit being received between the two walls of said extensible conduit; a non-metallic sleeve bearing mounted within and engaging the inner surface of the forward end of said fixed conduit and embracing the outer surface of the inner wall of said extensible conduit; and non-metallic bearing blocks carried by a lower portion of said forward end of the fixed conduit and engaging the inner surface of the outer wall of said extensible conduit.

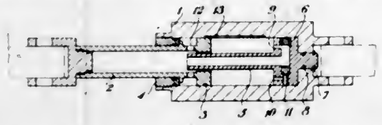
2,580,824
HANDLE FOR CONTAINERS
Edward M. Oliver and Benjamin F. Malherbe, Denver, Colo., assignors to Homs, Inc., a corporation of Colorado
Application March 7, 1949, Serial No. 80,032
1 Claim. (Cl. 294—29)



A holder for cans of the type having a cylindrical wall and heads connected with the wall by marginal beads projecting outwardly from the heads; said holder comprising a plate-like platform, a central circular boss formed on the upper face of the platform, said circular boss having a flat upper surface and a marginal edge face defining a circumferentially extending shoulder engageable with the lower bead of the can disposed on the boss, a vertically disposed hand grip portion having its lower end portion integrally connected with the marginal edge of the platform, the upper end portion of the hand grip portion being formed with a vertical slot and with a socket arranged at an incline, the upper end of the socket intersecting the lower portion of the slot, a latch strip extending laterally from the upper end of the hand grip portion, the rear end portion of the latch strip being pivotally mounted in said slot and projecting outwardly therefrom, the forward free end of said latch strip having a downwardly extending recessed bill for engagement with the upper bead of the can, and a compression spring seated in said socket and engaging the pivoted end portion of the latch strip to maintain the recessed bill in engagement with the upper bead of the can, and simultaneously urge the rear end portion of the latch strip out of the slot, said outwardly projecting portion of the latch strip forming a thumb engaging portion which may be pressed downwardly to swing the latch strip upwardly out of engagement with the upper head of the can.

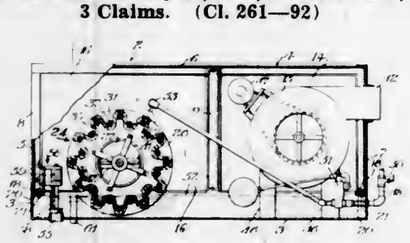
2,580,825
SHOCK ABSORBING MEANS
George Orloff, Cheltenham, England, assignor to Electro-Hydraulics Limited, Warrington, England, a company of Great Britain
Application February 25, 1948, Serial No. 10,875
In Great Britain April 29, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 29, 1966
5 Claims. (Cl. 267—64)

1. In a shock absorbing mechanism, means including a cylinder defining a first pressure chamber and a second pressure chamber; a damping device including duct means interposed between said chambers for restricting the flow of liquid from said first chamber to said second chamber; means including a piston mounted for movement in said cylinder relatively to said damping device for decreasing the volume of said first chamber while simultaneously increasing the volume of said second chamber; means for sealing the system constituted by said chambers and said duct means against escape of liquid or entrance of fluid; and compressible liquid completely filling said system whereby application of an external



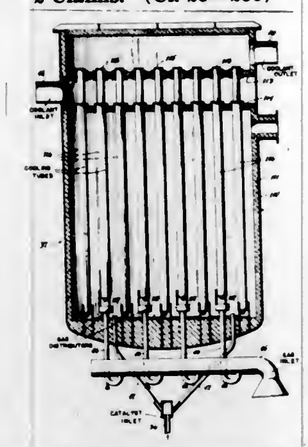
load moves said piston and effects compressing of the liquid in said first chamber and flow of said compressed liquid through said damping device from said first chamber to said second chamber with consequent dissipation of energy and also storing of energy in the compressed liquid capable of restoring the piston to its normal position when the external load is removed, said damping device constituting the sole means of communication between said chambers during at least the first part of the piston stroke caused by application of the external load.

2,580,826
EVAPORATIVE COOLER
Everett H. Osburn and Richard Walklin, Phoenix, Ariz.
Application February 27, 1950, Serial No. 146,482
3 Claims. (Cl. 261—92)



1. An evaporative cooler, comprising in combination, a rectangular case having laterally positioned inlet openings; a rectangular tank in the bottom of said case, adapted to hold water up to a predetermined level; a blower at one end of said case adapted to draw air thereinto through said inlet openings and force it out through a vent in one of the walls of said case; a generally cylindrical rotary evaporating element operating at the other end of said case, having open ends connecting its interior to said inlet openings, and a peripherally disposed evaporative pad adapted to admit air into said case through said pad; means for wetting said pad and supplying water to said tank including a supply pipe connected to a source of water under pressure having outlet jets positioned to direct a spray of water tangentially against the outer surface of said rotary evaporative element; means for maintaining a pool of water in said tank at a level sufficient to immerse the lower portion of said pad; motor means adapted to rotate said evaporating element; and an electrically controlled valve in the bottom of said tank adapted to automatically open and drain said tank when said motor means is inoperative, and to close when said motor means is operating.

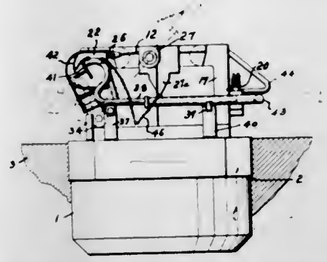
2,580,827
KILN FOR REGENERATING ABSORBENTS
John W. Payne, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application May 27, 1949, Serial No. 95,713
2 Claims. (Cl. 23—288)



1. Apparatus for continuously regenerating adsorbent contact material of small particle size which has become deactivated by liquid phase contact with an oil in a treating process followed by solvent stripping of oily constituents and drying of stripped material comprising: a vertical vessel, a first horizontal plate within said vessel located near the top, a second horizontal plate located a spaced distance below said first plate, a multiplicity of tubes depending from said plates arranged in concentric groups equally distributed across the cross-section of the vessel, each group comprising an inner tube depending from said first plate and an outer tube depending from said second plate, said outer tube extending below said inner tube and being sealed at the bottom, said tubes extending to a location near the bottom of said vessel, inlet conduit means located in the side wall of said vessel between the first and second plates, outlet conduit means located in the wall of said vessel above said first plate, a second outlet conduit means located in the wall of said vessel spaced below said second plate, a multiplicity of inlet conduits distributed across the bottom of said vessel adapted to introduce suspended catalyst into the vessel in a vertical direction in the space between said vertical tube groups, a second multiplicity of inlet conduits distributed across the bottom of said vessel through which gases may be introduced into said vessel in a vertical direction, caps located a spaced distance above said second multiplicity of inlet conduits adapted to deflect said gases in a laterally downward direction, protection plates located around said second multiplicity of inlet conduits adapted to redeflect the gases in a laterally upward direction, whereby said gases and suspended catalyst are more intimately mixed in the lower section of said vessel.

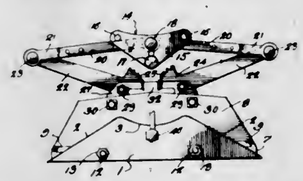
2,580,828
PIPE HOLDING SLIP
William L. Pearce, Houston, Tex.
Application April 9, 1947, Serial No. 740,439
2 Claims. (Cl. 24—263)

1. A slip for supporting pipe, and the like, comprising, a bushing formed of confronting vertically-hinged members and having a downwardly tapering inside seat, a cage on the bushing, slip segments mounted in the cage and movable, by gravity, into active position into engagement with a pipe extended through the bushing, each segment comprising independent sections, a counterbalancing weight pivotal means connecting the bushing members and weight for relative vertical and horizontal swinging movement, said weight being normally in upright, in-



active position, interengageable means on the weight and bushing cooperable to hold the members against horizontal swinging movement when the weight is in said upright position, flexible members connecting the segments with the weight, sheaves on the cage over which the members operate whereby the weight is effective to move the segments upwardly to inactive position upon downward movement of the weight, and means on the cage for moving the sections apart as the segments are moved upwardly.

2,580,829
AUTOMOBILE JACK
William J. Peck, West Lebanon, N. H.
Application January 16, 1950, Serial No. 140,213
3 Claims. (Cl. 254—122)

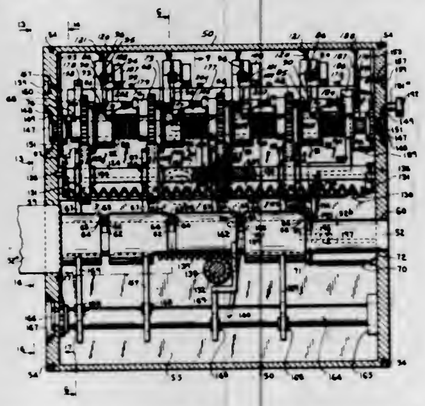


2. A jack comprising a base, a bracket carried by said base and formed with a bearing disposed vertically, a worm screw rotatably mounted vertically in said bearing and projecting downwardly therefrom, levers having lower ends pivoted to said bracket and formed with arcuate racks meshing with opposite side portions of said worm screw, links pivoted to upper ends of said levers, a saddle, said links having inner ends intersecting and pivoted to said saddle midway the length thereof and tiltably mounting the saddle, and means for rotating said worm screw to tilt the levers vertically and vertically shift said saddle.

2,580,830
COMBINATION OR KEY OPERABLE DOOR LOCK
Stephen Pelle, New York, N. Y.
Application November 12, 1948, Serial No. 59,650
18 Claims. (Cl. 70—156)

7. A lock, comprising a casing, a bolt slidably extended through said casing, a shaft supported

within said casing parallel to said bolt, ratchet wheels rotatively supported on said shaft, stops limiting rotation of said ratchet wheels in one direction only, means biasing said ratchet wheels toward said stops, fingers extended substantially vertically from said bolt and having free ends along one side of said ratchet wheels for retaining said bolt in a position extended from said casing, said ratchet wheels being formed with cutout portions alignable with the free ends of said fingers through which said free ends pass in the aligned positions of the cut-out portions, and push button mechanism for individually advancing said ratchet wheels to align the cutout portions thereof with the free ends of said fingers, sleeves rotatively supported on said bolt one for each of said fingers and from which said fingers



extend vertically, pins extended through said bolt retaining said sleeves against longitudinal movement, lugs projecting from said sleeves to abut the adjacent ends of said pins, and springs operating between said pins and said lugs retaining said sleeves in a rotative position in which said lugs engage said pins and the free ends of said fingers extend along the sides of said ratchet wheels, and separate key operated mechanism for locking the bolt in an extended position in the rotative position of said ratchet wheels in which their cutout portions are aligned with the free ends of said fingers, and means controlled by said key operated mechanism for holding said push button mechanism inoperative to rotate said ratchet wheels when the bolt is secured in its extended position by said key operated mechanism.

2,580,831

LONG-HANDLED GRASS SHEARS

George Persak, Jr., Verona, N. J., assignor to J. Wiss & Sons Co., Newark, N. J., a corporation of New Jersey

Application January 14, 1950, Serial No. 138,615

1 Claim. (Cl. 30—251)



A grass shears comprising a sheet metal frame, a pair of superimposed blades pivotally connected together at their rear ends by a pivot pin whose upper end extends beyond the upper blade, means pivotally connecting said blades to said frame at opposite sides of said pivot pin and means for actuating said blades including a power transmitting element comprising a cylindrical ring, said frame having side walls and a front wall in the lower edge of which is a downwardly facing notch providing a seat, said ring being arranged with its periphery in rocking contact with the bottom edge of said notched seat and having notches at its ends into which project the side walls of said notched seat and said cylindrical ring also having a peripheral opening into which said pivot pin extends, and operating means to cause rocking movement of said power transmitting element.

2,580,832

PREPARATION OF NITRILOTRISPROPIONAMIDE

Edward W. Pietrusza, Morristown, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application October 6, 1949, Serial No. 119,990

8 Claims. (Cl. 260—561)

1. A process for synthesis of 3,3,3-nitrilotrispropanamide by solution phase reaction of ammonia, present in excess, with an acrylic ester, in which process a homogeneous liquid phase reaction mixture is formed by contacting, ammonia and acrylic ester, at least partially soluble in the reaction mixture, at temperatures between about minus 20° C. and about 50° C. in presence of a hydroxylated solvent which solvent has a greater dielectric constant than methanol, said hydroxylated solvent providing at least about 1.5 mols of hydroxyl group per mol of acrylate introduced into the reaction zone; free ammonia is maintained present in said reaction mixture until trisamide precipitates; and thereafter precipitated trisamide is recovered from the reaction mixture.

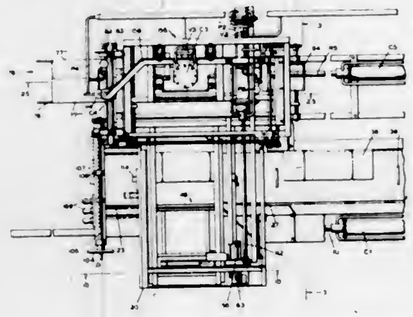
2,580,833

PACKAGING MACHINE

Frank R. Piper and James M. Gardner, Fairfax, Ala., assignors to West Point Manufacturing Company, West Point, Ga., a corporation of Georgia

Application July 29, 1949, Serial No. 107,566

28 Claims. (Cl. 226—18)



1. Article packaging apparatus comprising a pair of spaced press members, means operative to advance one of said press members toward the other, a pair of opposed normally adjacent throat members, at least one of which is movable, disposed laterally of said press members, means operative in response to the advance of said one press member to separate said throat members into alignment with the final approach position

of said press members, and a discharge member operative to traverse laterally between said press members in the direction of said throat members.

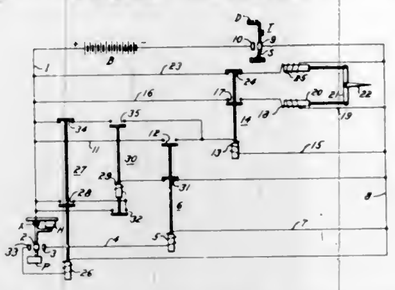
2,580,834

DEPTH CONTROL SYSTEM FOR TORPEDOES

Herbert L. Prescott, Sharon, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application March 8, 1946, Serial No. 653,188

3 Claims. (Cl. 114—25)



1. In a system of control, in combination, a conveyance traveling at a given rate through a fluid medium, elevator rudders on said conveyance for controlling the travel of said conveyance with reference to a horizontal plane, the normal tendency of said conveyance is to oscillate periodically angularly in a vertical plane, a pendulum on said conveyance disposed to remain fixed vertically while said conveyance oscillates, a source of electric energy on said conveyance, switching means held in closed position by said pendulum for all angles of declination of the conveyance greater than a given relatively small angle of declination, an electromagnetic device energized by said switching means when in closed position, first electromagnetic means for actuating said elevator rudders to the up-rudder position, second electromagnetic means for actuating said elevator rudders to the down rudder position, an elevator control relay including a first switch normally closed when said relay is deenergized to energize the first electromagnetic means, and including a second switch operable to closed position by the energization of said relay to thus effect the energization of said second electromagnetic means, and contact means operable by said electromagnetic device for energizing said relay upon movement of the conveyance from some relatively great angle of declination to an angle of declination less than said given relatively small angle of declination.

2,580,835

SYSTEM FOR UNIFORM DISTRIBUTION OF VENTILATING AIR AND SOUND ENERGY

George K. Raider, Chicago, Ill., assignor to The Pyle-National Company, Chicago, Ill., a corporation of New Jersey

Application January 26, 1948, Serial No. 4,368

1 Claim. (Cl. 181—30)

A system for the uniform distribution of ventilating air and sound energy throughout a space comprising, a space to be ventilated and to receive the transmission of an audible sound signal, a first duct means adjacent said space providing a primary plenum chamber, a second duct means between said first duct means and said space providing a plurality of secondary plenum chambers, blower means at one end of said first duct means providing a supply of pressurized ventilating air to one end of said primary plenum chamber, a first speaker unit in said primary plenum chamber adjacent said blower means to transmit an audible sound signal into the stream of pressurized air flowing from said blower means, adjustable control means between each of said secondary plenum chambers and said primary plenum chamber, each of said control means adjusted to provide an opening between said secondary plenum chambers and said primary plenum chamber of progressively increased rel-



ative size in relation to the distance each opening is removed from the blower means to flow air from said primary plenum chamber into said secondary plenum chambers at reduced velocity and pressure, a second speaker unit in said primary plenum chamber at the other end thereof to transmit a supplementary audible sound signal into the stream of pressurized air flowing through said openings, and passageways between each of said secondary plenum chambers and said space to permit air flow therebetween, whereby the supply of ventilating air and sound energy will be concurrently uniformly distributed throughout the space.

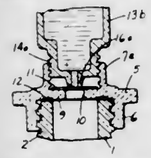
2,580,836

INTRAVENOUS SOLUTION TECHNIQUE AND APPARATUS

Roy R. Rausch, Farmington, Mich., assignor to Associated Drug Industries, Inc., Cleveland, Ohio, a corporation

Application April 21, 1947, Serial No. 742,915

3 Claims. (Cl. 128—272)



3. In intravenous solution apparatus, in combination, a main flask for containing a liquid of the ultimate parenteral solution and provided with a charging opening, an auxiliary container having a charging opening, an instrumentality connecting the opening portions of the flask and container, and a seal common to the two opening portions of the flask and auxiliary container, one of said flask and container vessels having a seal rupturing member operable to puncture the seal by relative rotation of the vessels.

2,580,837

ASH TRAY

Louis A. Reveli, Los Angeles, Calif.

Application June 28, 1948, Serial No. 35,684

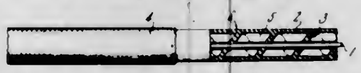
4 Claims. (Cl. 131—235)

2. A cigarette holder for an ash tray comprising a body whose top surface is of a width to

support a cigarette against tipping endwise and presents undercut transverse cigarette receiving grooves each of a length and cross-section to freely receive and support a cigarette, each of said grooves being bounded at its sides by cigarette rollways declining thereinto, whereby when a cigarette is placed transversely of said surface at any point removed from a groove it will roll by gravity into a groove, and whereby after said cigarette rolls into said groove the upper side wall of the groove will provide an overlying abutment engageable by the cigarette to prevent the latter from tipping endwise when the cigarette burns so that its center of gravity is changed.



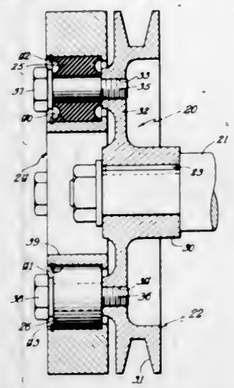
2,580,838
COAXIAL CABLE WITH HELICAL INSULATION
Thomas J. Rhodes, Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 2, 1947, Serial No. 719,868
2 Claims. (Cl. 174—29)



1. In a cable for transmission of high frequency current, a flexible conductor, a surface coating of plastic insulating material extending along the length of and covering said conductor, an outer continuous tubular sleeve of plastic insulating material spaced from said conductor and extending along the length thereof, and a helicoidal web of plastic insulating material twisted around and extending along the length of said conductor between said coating and said sleeve, said web being formed integrally with both said coating and said sleeve along their lengths to hold said insulating sleeve in spaced concentric relationship with said conductor.

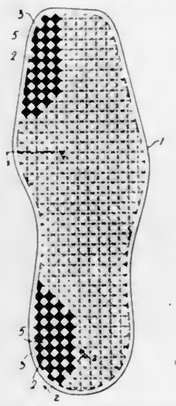
2,580,839
VIBRATION ABSORBER
Earl F. Riopelle, Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y., a corporation of New York
Application June 15, 1948, Serial No. 33,188
2 Claims. (Cl. 74—574)

1. A vibration absorber adapted for disposition at the end of a rotatable shaft comprising, a one piece inertia member having its principal axis substantially coincident with the axis of said rotatable shaft and having a plurality of radially arranged axially extending pockets, a rotatable member supported on and keyed to said shaft and disposed in spaced relationship to said inertia member and being formed with a corresponding plurality of integral supporting protuberances each adapted to project within the confines of an opposed pocket and terminating in a surface extending transversely to the principal axis of the rotatable member, each of said protuberances having a central threaded through bore, a corresponding plurality of stud bolts each having reduced threaded ends respectively being adapted to be received into a central through bore and each of said stud bolts having a shoulder intermediate the terminals of said bolts engaged with said transversely extending surface of said protuberances, corresponding annular elastic members each respectively contained in a pocket and interposed between each of said studs and said inertia member, one central end portion of each of said elastic members being engaged by a transversely extending surface of a related protuberance to restrict axial displacement of said end portion, an integral abutment at one end of each of said pockets adapted for engagement with peripheral



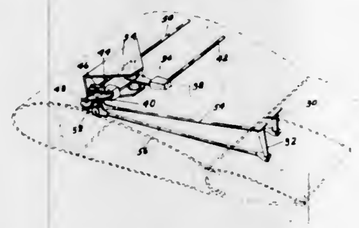
end portions of a related elastic member to prevent axial displacement thereof, a removable snap ring means at the other end of each of said pockets adapted for engagement by peripheral end portions of a related elastic member to prevent displacement thereof in the other direction, and each of said studs having a tool engageable head and a second shoulder engaging a related elastic member adjacent the central end regions thereof for preventing axial displacement of said regions with respect to a related threaded stud.

2,580,840
LIGHTWEIGHT, FLEXIBLE, RESILIENT, AND NONSKID SOLE FOR FOOTWEAR
Rikard Rogndal, Bergen, Norway
Application October 19, 1948, Serial No. 55,404
3 Claims. (Cl. 36—29)



1. A sole for footwear comprising a generally flat blank of resilient material having generally parallel surfaces provided with a multitude of depressions in its opposite surfaces, said depressions having a depth exceeding half the thickness of the blank and being arranged in parallel rows crosswise of the blank with the depressions of one row laterally offset from the depressions of an immediately adjacent parallel row and the depressions in one surface of the blank located between the companion depressions in a corresponding row of depressions in the opposite surface of the blank, each depression being defined by convergent bounding walls inwardly directed from the surface of the blank and intersecting said surface to form a polygonal outline and the polygonal outlines of the depressions in one row being substantially contiguous at their corners with the outlines of the depressions of an immediately adjacent parallel row, the two opposed sides of corresponding depressions on opposite surfaces of the blank forming an inclined partition therebetween of approximately uniform thickness.

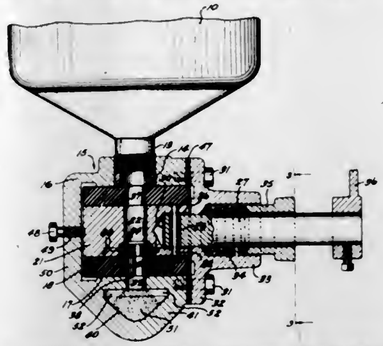
2,580,841
FLAP AILERON FOR AIRPLANES
Frederick W. Ross, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application October 2, 1946, Serial No. 700,599
1 Claim. (Cl. 244—90)



In an airplane having a fuselage and aerodynamic surfaces, inboard and outboard auxiliary aerodynamic surfaces pivoted to the trailing edges of the aerodynamic surfaces, a short horn on each of the inboard auxiliary surfaces, a relatively long horn on each of the outboard auxiliary surfaces, a fixed support on each aerodynamic surface, a bell crank lever pivoted on each support, a push-pull rod connected to one leg of each bell crank lever, a second bell crank lever pivotally supported on the other leg of each of the first mentioned bell crank levers, a push-pull rod connected to one leg of each of the second mentioned bell crank levers, a yoke pivoted to the other leg of each of the second mentioned bell crank levers, and push-pull rods connecting the yoke to the short and long horns on the auxiliary surfaces.

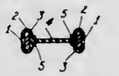
2,580,842
CONTROL VALVE FOR SANDBLAST GENERATORS
Richard Ruemelin, Milwaukee, Wis.
Application September 11, 1947, Serial No. 773,406
8 Claims. (Cl. 51—12)

1. In a sand control valve for sand blast generators, a valve casing having a cylindrical bore, a sleeve of wear resistant material in said bore, a cylindrical valve member rotatable in said sleeve, a transverse port in said valve member, a sand inlet duct in said sleeve communicating with one end of said port and a sand outlet duct in said sleeve communicating with the other end of said port, and a sleeve of wear resistant material at the end of the port which is adapted to communicate with said sleeve outlet duct, said last mentioned sleeve having a bore of less diameter than the diameter of said port of the



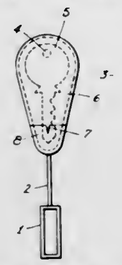
valve member and of less diameter than said outlet duct of the first mentioned sleeve.

2,580,843
LACE
Sam Women Sam, Chicago, Ill.
Application December 27, 1950, Serial No. 202,905
4 Claims. (Cl. 24—143)



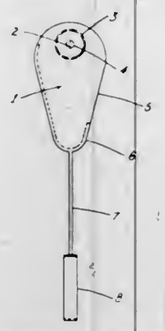
1. A shoe lace comprising a flexible and elastic string member, a pair of hollow elastic members each integrally connected to each end of said elastic string member and each having an aperture at a face, and a pair of reenforcing members, each said hollow elastic member being adapted to be stretched out of normal shape to receive each said reenforcing member through each said aperture and to hold each said reenforcing member when each said hollow elastic member has resumed its normal shape, each said hollow elastic member when containing each said reenforcing member being adapted to act as a stop to prevent removal of said shoe lace through a shoe eyelet.

2,580,844
KEY CASE
Sam Women Sam, Chicago, Ill.
Application February 23, 1951, Serial No. 212,242
5 Claims. (Cl. 150—40)



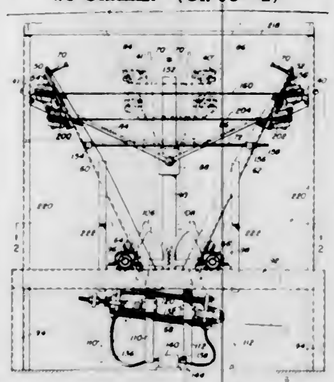
1. A key case comprising a pair of elastic complementary oppositely disposed wall members each separate from the other and an elastic key shaft connecting and integrally attached to the inner face of each of said wall members, said wall members normally substantially enclosing keys engaging said key shaft, a said wall member being drawable through the eyelet of a key to enable said key shaft to be engaged by said key.

2,580,845
KEY CASE
Sam Women Sam, Chicago, Ill.
Application October 19, 1949, Serial No. 122,310
4 Claims. (Cl. 150—40)



1. A key case conprising an elastic wall member, an elastic key shaft having one end integrally attached to the inner surface of one side of said wall member, a hollow elastic member integrally connected to the other end of said key shaft and having an aperture at a face, and a reenforcing member, said hollow elastic member adapted to be stretched out of normal shape to receive said reenforcing member through said aperture and to hold said reenforcing member when the said hollow elastic member has resumed its normal shape, said hollow elastic member, when containing said reenforcing member, adapted to act as a stop to prevent removal of keys ringed on said key shaft, said wall member adapted to enclose keys ringed on said key shaft.

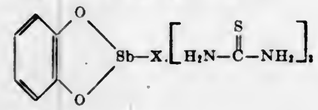
2,580,846
MACHINE FOR FOLDING CARTON INSERTS
Gordon B. Sayre and Oscar Winz, Boonton, N. J., assignors to Boonton Molding Company, Boonton, N. J., a corporation of New Jersey
Application May 14, 1947, Serial No. 748,062
23 Claims. (Cl. 93—1)



1. Apparatus for folding both ends of a carton insert blank, said apparatus comprising spaced bearings, means movably mounting the same to afford relative movement of the bearings toward or away from one another, shafts carried by said bearings, forms mounted on said shafts, said forms being so dimensioned as to act as cores for the folded ends of the insert, each of said forms having means to hold an end of the blank, and means to cause rotation of the shafts to fold the ends of the blank, said movable mounting of said bearings affording approach of said bearings to accommodate the shortening of the blank as the ends of the blank are folded.

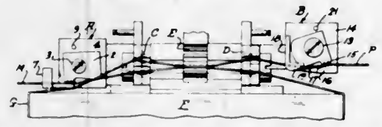
2,580,847
THIOURONIUM ANTIMONYL CATECHOL HALIDES AND METHODS OF MAKING THE SAME
Maxwell Schubert, New York, N. Y., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application March 20, 1950, Serial No. 150,792
4 Claims. (Cl. 260—446)

1. A compound of the formula:



wherein X is a halogen atom.

2,580,848
WIRE GRIPPING DEVICE FOR WIRE TYING MACHINES
Kurt Eric Schulze, San Francisco, Calif., assignor to Ernest Roe, doing business as Coast Wire Company, San Francisco, Calif.
Application March 8, 1947, Serial No. 733,296
3 Claims. (Cl. 24—134)



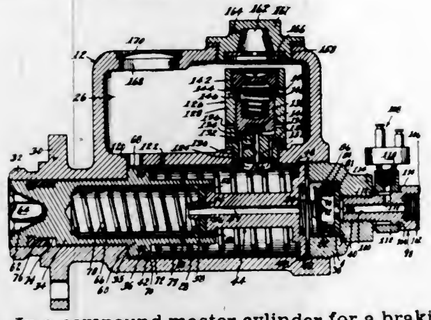
1. An improved gripper for a wire tying machine having a gripper and a wire cutter adjacent said gripper, said gripper comprising a horizontal bed, and a plate having a knurled wire gripping portion adapted to overlie the said bed, a rump portion on the underside of said plate and next adjacent to said cutter and a pivot for said plate disposed eccentrically with respect to the distribution of weight of the plate so that the rump portion normally depends below the knurled portion, the bed and plate being disposed so that the bed of the gripper is slightly below the position of the cutter, whereby pressure of a wire inserted in the machine is exerted upwardly against the rump and causes the knurled portion to grip downwardly upon a portion of said wire disposed over the bed.

2,580,849
ENGAGING AND HOLDING MEANS FOR DRAPERY HEADINGS AND THE LIKE
Fred J. Schwartz, Toledo, Ohio
Application May 2, 1949, Serial No. 90,855
3 Claims. (Cl. 24—86)



2. A drapery hanger comprising: a bowable spring strap member having oppositely extending remote pointed ends and guide openings near said end portions thereof; and a hook and stem member, said stem being insertable in said guide openings and being maintained in said openings by the bowable spring action of said strap member.

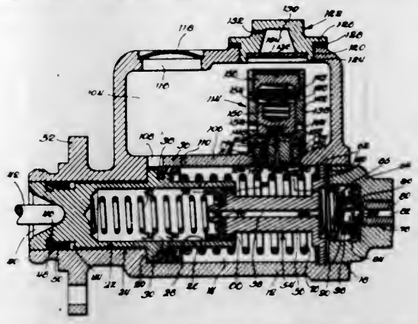
2,580,850
COMPOUND MASTER CYLINDER
Alfred B. Seppmann, Mankato, Minn.
Application August 17, 1946, Serial No. 691,251
2 Claims. (Cl. 60—54.6)



1. In a compound master cylinder for a braking system, a fluid reservoir, a cylinder, a hollow piston reciprocable in the cylinder and having a retracted position at one end of the cylinder, a stationary piston secured in the other end of said cylinder and co-axially aligned with the hollow piston, the hollow piston being adapted to telescope over the stationary piston, the hollow piston having formed therein openings communicating between the interior of the hollow piston and the cylinder when the hollow piston is in retracted position, said openings in the hollow piston being closed when the hollow piston is extended, the stationary piston having a cupped sealing means cooperating with the interior of the hollow piston, said stationary piston having openings therethrough adjacent the periphery of said cupped sealing means permitting flow of fluid from the cylinder into the interior of the hollow piston past the peripheral flange of said sealing means, there being an opening communicating between the cylinder and reservoir, and spring biased valve means normally closing said last opening and responsive to predetermined pressure in said last mentioned cylinder to open communication between it and the reservoir, said stationary piston having a bore communicating between the interior of the hollow piston and the braking system and a retarding valve between said bore and the braking system.

2,580,851
MASTER CYLINDER RELIEF VALVE
Alfred B. Seppmann, Mankato, Minn.
Application November 20, 1948, Serial No. 61,199
4 Claims. (Cl. 277—61)

1. A relief valve for mounting in an opening between a pair of chambers, comprising, in combination, a chambered body having a first surface exposed to the interior of one of the chambers and a second surface exposed to the interior of the other chamber, said chambered body having a passage leading from the interior thereof and opening through said first surface, said chambered body having ports leading from the interior thereof and opening through said second surface, a closure member in said chambered body adapted to close said passage and ports, said chambered body having return passages opening through both of said surfaces and bypassing the interior of said chambered body, said chambered body having a supplemental passage leading from the interior thereof and opening through said first surfaces, a flexible disc secured

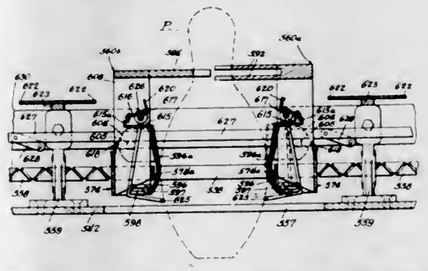


to said chambered body over said return passages and supplemental passage and subject to pressure exerted against adjacent said first surface, and spring means secured to said chambered body and biasing said flexible disc into position closing said return passages and supplemental passage.

2,580,852
PREPARATION OF SILOXANES BY REACTING DIALKYLDICHLOROSILANES WITH CUPRIC OXIDE
Clifford Shaw, William Edwin Smith, and Harold Garton Emblem, London, England; said Emblem assignor to Clifford Shaw and William Edwin Langrish-Smith
No Drawing. Application January 7, 1947, Serial No. 720,688. In Great Britain January 11, 1946
2 Claims. (Cl. 260—448.2)

1. A process for the production of alkyl silicone polymers which comprises refluxing a dialkyl silicon dichloride under anhydrous conditions with cupric oxide and separating the silicone polymer from the metal salts formed.

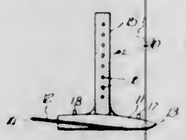
2,580,853
SETTING-UP TABLE FOR BOWLING PIN SETTING MACHINES
Kenneth C. Sherman, New London, Conn., assignor to Electric Boat Company, Groton, Conn., a corporation of New Jersey
Application November 1, 1945, Serial No. 626,013
12 Claims. (Cl. 273—43)



1. In a bowling pin setting machine, a vertically adjustable setting up table, a pair of opposed pin gripping members mounted on said table for rectilineal closing and opening movements to-

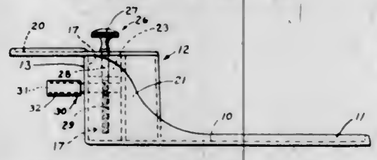
ward and away from each other, said members having relatively narrow upper gripping elements disposed and adapted to fit about and grip the neck of a pin suspended between them in a raised position of said table and relatively wide lower gripping elements a fixed distance below said upper elements and disposed to grip the neck and shoulder portions of a pin sitting on the alley between them in a lowered position of said table, and means for moving said members toward and away from each other.

2,580,854
FERTILIZER AGITATOR AND AERATOR
David Sherman, Prairie du Chien, Wis.
Application September 16, 1950, Serial No. 185,287
4 Claims. (Cl. 259—2)



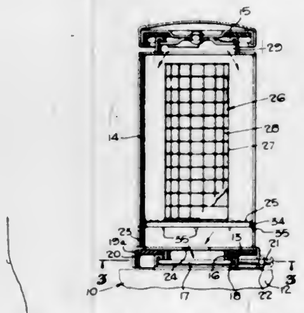
1. A device for agitating and aerating hot granular mixtures as they are carried by a continuous conveyor or the like, comprising in combination a bullet shaped body member, elevating wings mounted longitudinally to said body for lifting said granular material away from said conveyor, and an adjustable suspension bracket for maintaining said body and attached wings in an interfering position with the path of travel of said material along said conveyor.

2,580,855
TRAY ATTACHMENT FOR TABLES
Abraham Sloan, Lynn, Mass., assignor to David L. Peskin, Newton, Mass.
Application July 5, 1950, Serial No. 172,067
3 Claims. (Cl. 311—103)



1. In combination in a tray attachment for tables: a part having an article-supporting area; a wall upstanding from a portion of said area and provided rearwardly with a pair of spaced co-planar surfaces engageable with a side of a table top, said wall also being provided rearwardly with a pair of surfaces forming a forwardly converging V-shaped recess located between said co-planar surfaces and engageable with the adjacent outer side portions of a corner of a table top when said co-planar surfaces are out of engagement with the table top, said wall also being provided adjacent each recess side with a rearwardly open and forwardly extending guideway surface located between the rear end of said recess side and the inner end of the adjacent co-planar surface; a lip extending rearwardly from the upper portion of said wall and over the guideways for engagement with the upper surface of a table top when either said co-planar surfaces or said recess are in engagement with the table top; members engageable with the lower surface of a table top for coaction with said lip to clamp the tray attachment as a whole demountably to a table top, said members having portions extending from the guideways rearwardly of said wall and beneath said lip to effect said coaction and also having portions located in said guideways, respectively beneath the lip; and rotatable means for supporting said members from the guideways and moving said members toward and away from the lip.

2,580,856
CHEMICAL CAP FOR RADIATORS
George T. Smith, Santa Barbara, and Louis Henry Munding, Jr., Maricopa, Calif., assignors, by mesne assignments, to Frank Hornkohl
Application June 18, 1949, Serial No. 99,905
2 Claims. (Cl. 210—36)



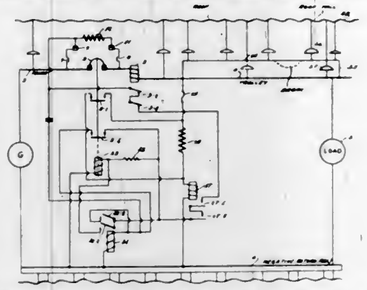
1. In a device of the class described adapted to be attached to the inlet pipe of the radiator for an internal combustion engine, the combination of a shell, means for connecting the shell to the radiator inlet pipe, the shell having an inlet opening, a movable closure for said opening, and a chemical cartridge insertable into said shell as a unit through said opening, a screen in the shell above the lower end thereof and below the chemical cartridge, the shell having ports in the wall thereof below the screen acting as vapor release passageways and serving as overflow ports for the coolant, the parts being so arranged that coolant introduced into the opening contacts the chemical cartridge before passing into the radiator.

2,580,857
VULCANIZATION OF RUBBERY BUTADIENE-STYRENE COPOLYMERS
Omar H. Smith, West Englewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 18, 1951, Serial No. 206,727
4 Claims. (Cl. 260—79.5)

1. A vulcanizate of a mixture of a rubbery copolymer of butadiene and styrene, sulfur in amount ranging from 0.5 to 3.0% by weight based on said copolymer, an organic vulcanization accelerator, and zinc oxide in amount ranging from 0.3 to 0.7% by weight based on said copolymer.

2,580,858
PILOT WIRE CONTROL FOR AUTOMATIC RECLOSING CIRCUIT BREAKERS
William L. Sprengle, Pittsburgh, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 27, 1946, Serial No. 679,597
1 Claim. (Cl. 175—294)

In an electrical protective system having a circuit extending from a source of power to a load and including a trolley line and a return line, a pilot wire extending adjacent to and parallel to said trolley line and connected to said trolley line at its terminus, a circuit breaker connected in said circuit, an overload relay connected in said circuit and responsive to a fault at said load for opening said circuit breaker, a relay connectible in series with said pilot wire, a resistor connected across said circuit breaker for providing a circuit from said source to said load when said circuit breaker is opened, means responsive to the opening of said circuit breaker for connecting said relay and pilot wire in series across said load and



from said trolley line to said return line for measuring the fault current produced by said fault at said load, circuit connections from said source of power and including said resistor, pilot wire, relay and return circuit for energizing said relay in the event the fault at said load has been cleared, said pilot wire preventing completion of said circuit connection in the event said pilot wire is broken, a closing magnet for closing said circuit breaker, and circuit connections including said closing magnet controlled by said relay on energization thereof for operating said closing magnet to close said circuit breaker.

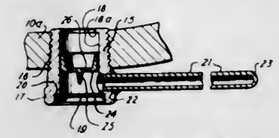
2,580,859
SUPPLEMENTAL LENS MOUNT FOR SPECTACLES
Milton I. Steckler, Los Angeles, Calif.
Application October 4, 1949, Serial No. 119,451
3 Claims. (Cl. 88—41)



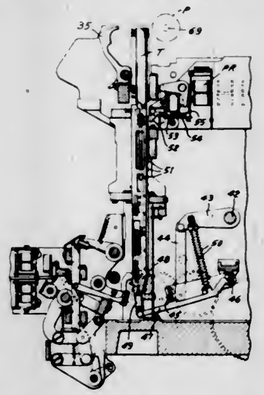
1. In a supplemental lens mount for a pair of spectacles having a curved bridge, an auxiliary lens mounting frame adapted, when attached to said bridge, to retain supplemental lenses adjacent the spectacle lenses, and means on said frame for releasably attaching said frame to said bridge; said means comprising a clamp having spring loaded jaws for clamping said bridge therebetween, one of said jaws having a pair of flanges defining an arcuate bridge receiving channel curved to conform to the curvature of said bridge.

2,580,860
WEAR INDICATING DEVICE FOR DRILL BITS
John C. Stokes, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application March 4, 1949, Serial No. 79,547
7 Claims. (Cl. 255—61)

1. The combination with a drill bit having cutting elements and having a drilling fluid circulating therethrough, of a wear indicating device including, an annular member mounted in the body of the bit and having its inner end communicating with the interior of the bit body whereby the drilling fluid may enter said member, a closure normally closing said member, and a fracturing means within the member and operable when the cutting elements have worn to a predetermined point to open said closure and allow flow through the member to cause a variation in the pressure of the circulating fluid.



2,580,861
RECORD FEEDING DEVICE
Alton P. Taylor, Nichols, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 28, 1946, Serial No. 674,132
21 Claims. (Cl. 235—61.9)

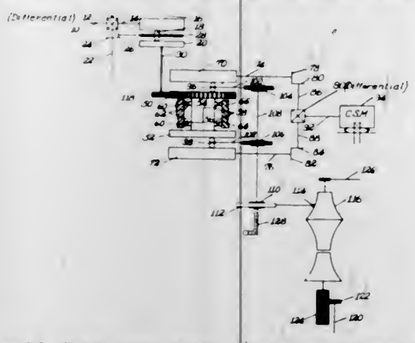


1. In a record feeding device, a line spacing mechanism, stepping relay means, contacts associated with said relay means, means under control of said mechanism for operating said contacts to carry an impulse to said relay means for each spacing operation, a set of line selection contacts, means under control of said relay means for rendering said selection contacts effective seriatim, means for preparing certain of said contacts for spacing control, and means cooperating with any of said selection contacts and effective to stop said line spacing mechanism upon said certain contacts becoming effective for predetermining the extent of feeding of the record.

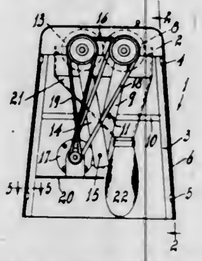
2,580,862
COMPUTING DEVICE HAVING COMPOUND DRIVE RATE MULTIPLIER
Laurence E. Topham, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 18, 1946, Serial No. 648,478
12 Claims. (Cl. 235—61.5)

1. In a computing apparatus, the combination with mechanism for combining a rate value with a time value having a member to be moved at a rate that is inversely proportional to said time

value, of means for so moving said member comprising a pair of discs mounted for rotation together about a common axis and operatively connected to said member, a pair of rotary members, means including a differential for driving said rotary members at constant speeds, balls for driving said discs from said rotary members, and means for displacing said balls relatively to the common axis of said discs in accordance with a direct function of said time value, said last-named means including a rotatable and axially displaceable cam.



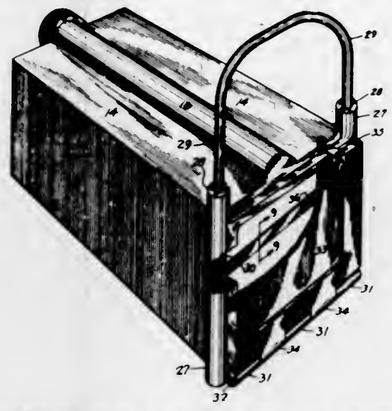
2,580,863
ROTARY BRUSH CLEANER FOR PANTS CUFFS
Russell F. Tuck, Los Angeles, Calif.
Application May 10, 1948, Serial No. 26,097
2 Claims. (Cl. 15—40)



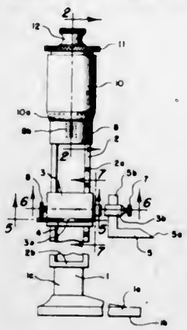
1. A rotary brush cleaner for trouser cuffs comprising a frame, a pair of brushes mounted within said frame, a pair of arms, one of said brushes being journaled in said arms, a second pair of arms pivotally attached to the first named arms, the second brush being journaled on the last named arms, a motor mounted on said frame, and two belts extending from said motor one to each of said brushes, and a spring connecting said arms and urging said brushes towards each other, and a hopper attached to said frame and positioned below said brushes, and a bag attached to said hopper, spacing fingers projecting horizontally from said frame, and a cover extending over the frame of the trouser cleaner, and bearing against said fingers.

2,580,864
CHEESE DISPENSER
Fred Joseph Upright, Grant, Nebr.
Application December 12, 1949, Serial No. 132,485
5 Claims. (Cl. 31—20)

1. A device for dispensing cheese and the like in measured quantities comprising an elongated box having one end open and the other end closed, a screw supported for rotation within the box near the top thereof, means accessible on the outside of the box for turning the screw, a nut operatively connected with the screw, the under surface of the top of the box which the screw and nut are positioned forming means for limiting the rotation of the nut about the axis of the screw, a blade secured to the nut, projecting downwardly therefrom, vertical tubular guides adjacent the open end of the box, a U-shaped handle having parallel side arms slideable in the guides, the inner wall of each tubular guide having a slot extending down to a point below the upper surface of the bottom communicating the guide openings with the interior of the box, and a knife blade connecting the lower ends of the U-shaped handle, said knife blade extending through the slots.

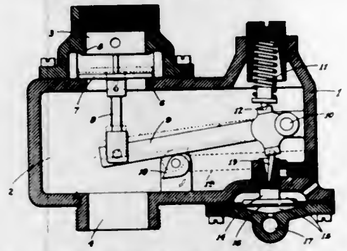


2,580,865
PRECISION MEASURING INSTRUMENT
Horace F. Wallen, San Diego, Calif.
Application August 5, 1947, Serial No. 766,224
6 Claims. (Cl. 33—169)



1. In a measuring instrument of the class described the combination of a first bar, a scribe holding slide on and moveably longitudinally of said first bar, means for fixing said slide in certain positions on said first bar and a substantially L-shaped scribe in connection with said scribe holding slide adjustable in a direction parallel to the axis of said first bar on which said slide is moveably positioned, said first bar having equally spaced notched portions therein, said slide having a latch in connection therewith engageable with said notched portions for indexing said slide in certain positions on said first bar, a pedestal having a second bar portion adjacent said first bar overlapping the same and said bars longitudinally adjustable relatively to each other, a micrometer nut connected to said second bar and a micrometer screw connected to said first bar in mesh with said micrometer nut and axially fixed relative to said first bar.

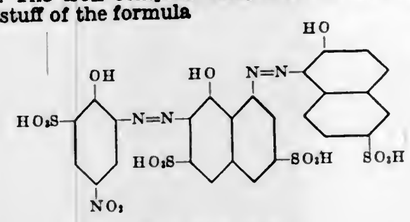
2,580,866
FUEL REGULATING AND SAFETY SHUTOFF VALVE
Russell R. Waterman, Lodi, Calif.
Application August 12, 1947, Serial No. 768,185
2 Claims. (Cl. 50—5)



1. A fuel feed regulating valve comprising a fluid passage conduit having an inlet and an outlet, a double acting valve in said conduit, such valve including a valve stem, a lever pivoted at one end to a support, the free end of the lever being pivoted to the valve stem, a spring acting against one side of the lever, a second fluid conduit, a pressure responsive diaphragm in said second named conduit, a pin on the diaphragm acting against the other side of said lever, a swivel connection between the spring and the lever, and a swivel connection between the pin and the lever.

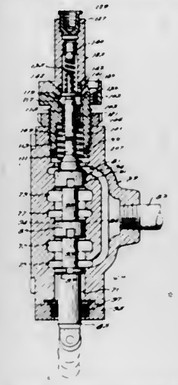
2,580,867
DISAZO DYESTUFFS AND THEIR CHROMIUM, IRON AND COBALT COMPLEXES
Walter Wehrli and Willy Steinemann, Basel, Switzerland, assignors to Sandoz A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application March 20, 1950, Serial No. 150,797. In Switzerland April 14, 1949
6 Claims. (Cl. 260—148)

6. The iron complex compound of the disazo dyestuff of the formula

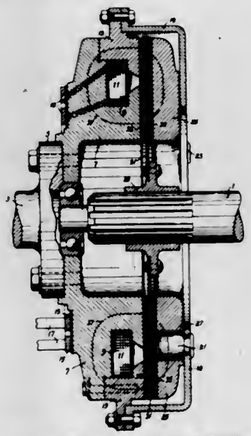


2,580,868
DIRECTIONAL AND PRESSURE CONTROL VALVE FOR HYDRAULIC STRAIGHTENING PRESSES
Benedict Welte, Lake Orion Township, Oakland County, Mich., assignor to Colonial Broach Company, Warren Township, Mich., a corporation of Delaware
Application June 10, 1947, Serial No. 753,779
1 Claim. (Cl. 277—60)

A combined reversing and pressure relief valve unit including a valve housing having a longitudinal cylindrical bore therethrough, a movable valve element axially slidable in said housing bore, a plurality of bore-fitting axially spaced cylindrical lands formed on said stem, the wall of said bore having a plurality of axially spaced annular ports therein controlled by the lands on said movable valve element, said lands being of a shorter length than the distance between certain of said bore ports to permit overtravel of said lands between said ports without affecting the flow of fluid through the latter when the element establishes one set of connections, a spring biased ball-type pressure relief valve connected to said housing and communicating with said housing bore, a sleeve connected to said housing for adjustment axially of said valve element, and an axially slidable plunger within said sleeve, one end of which is adapted to be actuated by said movable valve element during said overtravel movement of the element and the opposite end of which engages said relief valve spring and is adapted to compress the latter when said plunger is moved by said movable valve element, whereby by adjusting said sleeve the amount of compression of said relief valve spring by said overtravel movement of said valve element may be varied.



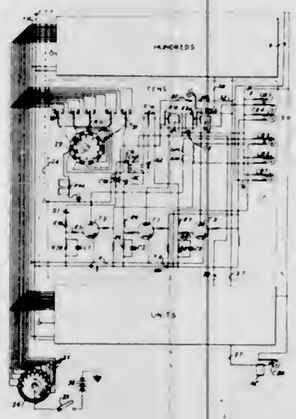
2,580,869
MAGNETIC CLUTCH WITH A MAGNETIC LINING
Anthony Winther, Kenosha, Wis., assignor to Martin P. Winther, Waukegan, Ill., as trustee
Application May 6, 1949, Serial No. 91,792
5 Claims. (Cl. 192—84)



1. A magnetically operated friction clutch the closing action of which in response to excitation

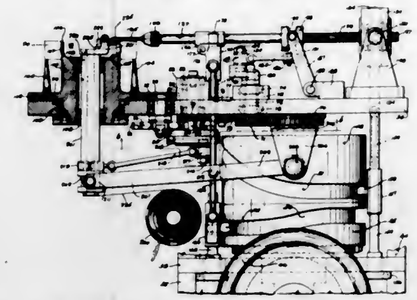
may be modulated, comprising driving and driven magnetic members which are relatively rotary when the clutch is released, means for mounting at least one of said members for axial movement relative to the other, said members having opposed solid low-reluctance ferrous metal faces, an electromagnetic coil producing when excited a flux field interlinking said members through said metal faces for axially attracting the driving and driven members one to the other to effect approach between them, and a liner interposed between said faces consisting of a substantially wear-resisting frictional substance containing heat-resistant shreds of relatively high reluctance to said flux, interspersed with comminuted particles of a ferrous magnetic material of relatively low reluctance to said flux, said comminuted material reducing the over-all magnetic reluctance of the liner to a value below that of said frictional substance but above that of said solid ferrous faces.

2,580,870
ACCUMULATOR
Victor O. Wilkerson, Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 25, 1949, Serial No. 129,395
9 Claims. (Cl. 235—61.6)



1. In a cyclically operable machine of the class described having means for feeding record cards in which designations represent the digits of an amount in cardinal notation form, means for sensing said record cards, accumulator means having a plurality of denominationally ordered accumulating elements, carry means for coupling said elements, electron tube controlled storage means operably connected to each of said elements, means controlled by said sensing means for entering into each of said elements, the largest multiple of a common divisor where said multiple is the result of dividing said divisor into said sensed amounts, further means controlled by said sensing means for entering into said storage means the remainder component of said amounts, said remainder being retained in said storage means, means effective upon entry of a second remainder component in said storage means for entering the sum of said remainders as a unit in said accumulating elements, the sum of said remainders being equal to said common divisor.

2,580,871
LACING MACHINE
Frank E. Wirtz, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 7, 1948, Serial No. 53,335
28 Claims. (Cl. 66—1)



23. In a machine of the character described, the combination with a workpiece supporting table; a cord supply; a shaft having a crochet type needle hook at one end and axially thereof, said hook being operative to catch the cord; means on the machine pivotally supporting the shaft at a point thereon remote from the hook to permit tilting of the shaft relatively to the table; mechanism connected to said shaft, operative to rotate said shaft about its axis in one and the other direction, to tilt said shaft toward and away from the table, and to reciprocate said shaft longitudinally; and driving means connected to said mechanism, operative to effect the several movements of the shaft and needle in properly timed, recurrent sequence.

2,580,872
VENTILATOR FOR HAY AND GRAIN CONTAINERS
Clarence L. Wise, Springfield, Ohio
Application October 19, 1946, Serial No. 704,327
4 Claims. (Cl. 138—50)

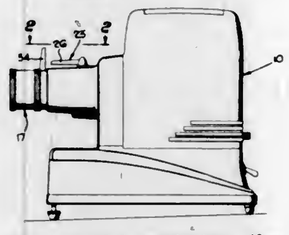


1. In a conduit for air, a plurality of elements forming said conduit, each element being formed of a coil of wire, a sleeve in one end of each coil and the other end of each coil being threaded onto the sleeve end of another coil.

2,580,873
METHOD FOR MAKING TWO-SIDED FABRIC USING SULFUR ACID ESTERS OF LEUCO VAT DYES AND ACTINIC RAYS
Glenn F. Womble, Danville, Va., assignor to Dan River Mills, Incorporated, a corporation of Virginia
No Drawing. Application December 16, 1949, Serial No. 133,480
3 Claims. (Cl. 8—2)

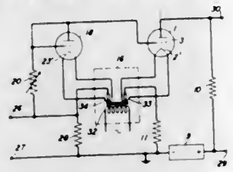
1. A method for dyeing a textile material to produce two different solid colors on opposite sides thereof which comprises the steps of impregnating said textile material with an ester of a leuco vat dyestuff, exposing one side only of the impregnated material to light for a time sufficient to develop the solid color dye on that side without developing the dye on the unexposed side, removing the undeveloped dye from the unexposed side of said material, impregnating said material with a different color ester of a leuco vat dyestuff, exposing the originally unexposed side only of said material to light for a time sufficient to develop the solid color dye on the side then exposed, and removing the undeveloped dye from said material.

2,580,874
LENS CONTROL MOUNT FOR STEREOSCOPIC PROJECTORS
Lee Roy Wottring, Altadena, Calif.
Application August 8, 1949, Serial No. 109,153
7 Claims. (Cl. 88—24)



1. In a stereoscopic projector, the combination of: a housing, including a front wall having formed therein a pair of openings spaced horizontally, a pair of lens tubes having projection lenses, said tubes being mounted in said openings and extending forwardly therefrom, a source of light within said housing from which beams of light may travel along paths which extend through said lens tubes, lens sets within said housing and interposed in said paths between said source of light and the inner ends of said lens tubes, means for supporting stereoscopic transparencies in said paths between said light source and said lens tubes, said transparencies representing right-hand and left-hand views of a photographic subject, said openings providing a floating mounting for each of said lens tubes whereby the directions of their optical axes may be adjusted, and means for adjusting said lens tubes so that the projected images will be placed in register upon a screen.

2,580,875
TUBE CIRCUIT
Clarence H. Young, Lincoln Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 25, 1945, Serial No. 618,549
2 Claims. (Cl. 250—27)

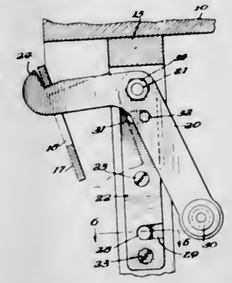


1. A vacuum tube circuit comprising a first space current path including at least an anode, a grid and a directly heated cathode, said space current being variable as a function of the temperature of the cathode, a second space current path including an anode and a directly heated cathode, a resistance means connected directly across the anode and cathode of the second space current path, a transformer winding connected to the first-named directly heated cathode, a separate transformer winding connected to the second cathode, circuits coupling said two windings to the same source of electric energy whereby the cathode temperature of both paths varies in substantially the same manner, conductive means connecting the second anode to the grid, and another conductive means connecting the cathode of the second path to the cathode of the first path, whereby the initial velocity potential of said second path may vary the grid bias to automatically stabilize the plate current in the first path for variations of cathode temperature.

2,580,876
COPOLYMER OF STYRENE AND ROSIN AND ESTERS THEREOF WITH THE ALCOHOLYSIS PRODUCT OF A DRYING OIL AND A POLYHYDRIC ALCOHOL CONTAINING FREE HYDROXYL GROUPS
James A. Arvin, Homewood, and Wayne B. Gitchel, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application March 30, 1945, Serial No. 585,804
19 Claims. (Cl. 260—23)

8. A copolymer of styrene and rosin copolymerized at a temperature within the range of 300° F. to 550° F. in a weight ratio of rosin to styrene within the range from 1:1 to 9:1.

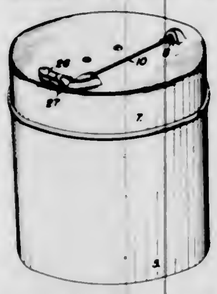
2,580,877
HANGER ARRANGEMENT FOR SUPPLEMENTAL WINDOWS
William F. Barnard, Oak Park, Ill.
Application October 5, 1946, Serial No. 701,470
2 Claims. (Cl. 292—106)



1. As a new article of manufacture, a hanger device adapted in connection with a similar oppositely disposed device removably to secure in place within the outer portion of a conventional window frame a full sized supplemental window having at its upper corners a pair of fixed plates with vertical slots therein, and comprising a vertically extending mounting plate secured flatly against the inner surface of the upper end of one of the side members of the window frame, a one-piece bracket disposed immediately adjacent the exposed surface of the mounting plate, embodying an elongated outwardly projecting upwardly facing hook part for receiving the slotted plate on the adjacent corner of the supplemental window and in addition an arm connected fixedly to, and extending downwards from, the inner end of the hook part, having a horizontal pivot element between the inner end of its hook part and the upper end of the mounting plate whereby it is mounted so that when swung in one direction the hook part swings downwards and when swung in the opposite di-

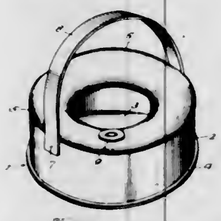
rection the hook part swings upwards, and adapted after being swung in said one direction to have the slotted plate on the adjacent corner of the supplemental window applied to its hook part and when swung in said opposite direction after application of the last mentioned plate to said hook part to shift the adjacent upper corner of the supplemental window into seated relation with the adjacent upper corner of the window frame, a pin and slot connection between the arm and the mounting plate for limiting swinging movement of the bracket, and releasable latch means between the arm and said mounting plate for locking the bracket in place after swinging thereof in said opposite direction.

2,580,878
TWINE DISPENSER
Lawrence D. Bartlett, Hartford, Ky.
Application July 22, 1949, Serial No. 106,213
6 Claims. (Cl. 242—142)



1. A twine dispenser comprising a container for a ball of twine and having a lid provided with a pair of openings for withdrawing twine through one opening and passing the same across the other of said openings, mechanism within the container for severing the twine in measured lengths operated by the twine during its withdrawing movement and including a cutter working in and extending out of the second named opening to sever the twine above said lid, and a hanger supporting the mechanism at the underside of the lid.

2,580,879
COLLAPSIBLE BUCKET
Paul Belokin, Jr., Chicago, Ill.
Application October 28, 1949, Serial No. 124,155
1 Claim. (Cl. 150—48)



A collapsible bucket which comprises a foldable, collapsible tubular side portion, a foldable circular bottom portion disposed at one end of said side portion, means for joining said side portion and said bottom in liquid-tight engagement, a collapsible annular, tubular air chamber disposed at the other end of said side portion, the outermost point of said chamber being secured to the inner surface of said side portion, valve means for inflating and deflating said chamber and foldable handle means attached to said side portion.

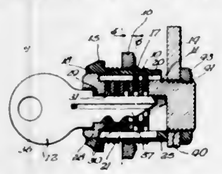
2,580,880
PREVENTION OF FOAMING IN STEAM GENERATION
Paul G. Bird and Arthur L. Jacoby, Western Springs, and Robert W. Kell, Oak Park, Ill., assignors to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 27, 1942, Serial No. 436,495
12 Claims. (Cl. 252—321)

3. A method of generating steam which comprises boiling, under superatmospheric pressure conditions, water containing an amount of total dissolved solids tending to produce foaming and priming and a quantity of a wax-like coupled partially acylated polyamine in which one mol of a partially acylated polyamine is coupled to another mol of a similar partially acylated polyamine through a group from the class consisting of simple alkylene radicals, alkylene radicals containing a carbonyl group and alkylene radicals containing at least one amino nitrogen, no alkylene radical in said group containing more than 3 carbon atoms, said coupled partially acylated polyamine containing at least 30 carbon atoms, and said quantity being sufficient to substantially inhibit said foaming and priming.

2,580,881
STABILIZED PETROLEUM PRODUCTS AND STABILIZING COMPOSITIONS
Charles B. Biswell, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 21, 1949, Serial No. 94,756
20 Claims. (Cl. 252—42.4)

1. A petroleum product having incorporated therein about 0.0001% to about 2% of an equimolecular carboxylic acid salt of a 1-(ortho-hydroxy-arylidene)-aminoguanidine in which the arylidene group is of the benzene series and in which salt the carboxylic acid contains at least 2 carbon atoms and consists of carbon and hydrogen atoms and 1 to 2 carboxyl groups.

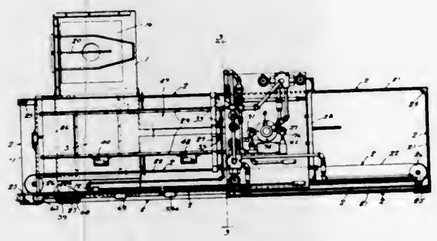
2,580,882
CYLINDER LOCK
Oscar A. Blohm, Des Plaines, Ill., assignor to Chicago Lock Company, Chicago, Ill., a corporation of Illinois
Application July 10, 1950, Serial No. 172,912
4 Claims. (Cl. 70—340)



3. As a new article of manufacture, a lock comprising a barrel provided with means for securing it in place and having formed therein a longitudinal cylindrical bore and two spaced apart tumbler-receiving grooves facing onto, and extending lengthwise of, the bore, a cylindrical plug mounted rotatably in the bore, provided with a longitudinal slot for receiving the bitted

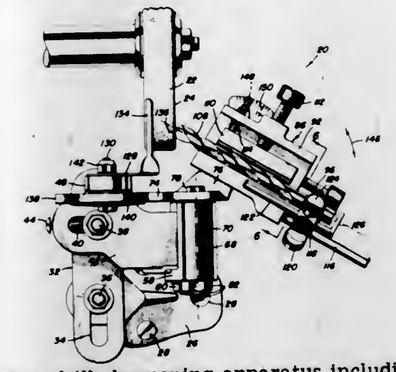
parts of a short key and of a long key and having formed therein a series of spaced apart transversely extending recesses in intersecting relation with the key slot, and key operable plate tumblers mounted slidably in the recesses respectively provided with spring means for urging them outwards into interlocked relation with either of the grooves depending upon the position of the plug with respect to the barrel, and having formed therein key receiving openings of such character that when the bitted part of the short key is inserted into the key slot the foremost tumblers are retracted and the rearmost tumblers are not and when the bitted part of the long key is inserted into the key slot all of the tumblers are retracted and the plug is released for free turning relatively to the barrel, said barrel being provided with an arcuate groove between the rear ends of the two tumbler-receiving grooves whereby when the bitted part of the short key is inserted into the key slot in the plug said rearmost tumblers are permitted in connection with turning of the key to swing from one tumbler-receiving groove into the other tumbler-receiving groove while at the same time they limit turning of the plug with respect to the barrel.

2,580,883
APPARATUS FOR HEATING AND PRESSING THERMOPLASTIC SHEET MATERIAL
Gustave W. Borkland, Marion, Ind.
Application September 4, 1948, Serial No. 47,808
15 Claims. (Cl. 18—19)



7. Apparatus for forming thermoplastic sheet material mounted in frames comprising a heating station, a forming station, a discharge station between said heating station and forming station, guideways on which the framed sheets travel from said heating station to said forming station, guideways on which the sheets travel from said forming station to said discharge station, a reciprocable pusher for pushing a framed sheet along one of said guideways from the heating station to the forming station, a reciprocable pusher for pushing a framed sheet from the forming station to the discharge station, and means for operating said pushers in unison to cause one of the pushers to feed a framed sheet from the heating station to the forming station by movement of the pushers in one direction and to cause the other pusher to feed a framed sheet from the forming station to the discharge station by movement in the opposite direction, said forming station comprising a reciprocable forming ram and a support having positioning means for positioning said sheet in alignment with said ram and maintaining it in alignment with the second mentioned guideways.

2,580,884
DRILL SHARPENING APPARATUS
Albert H. Bowman, Los Angeles, Calif.
Application May 25, 1949, Serial No. 95,210
8 Claims. (Cl. 51—219)



1. In a drill sharpening apparatus including a grinding wheel, the combination of a base member extending horizontally and pivotally secured to a stand, a supporting member which is substantially horizontal and is provided with a longitudinally extending slot in one end, the opposite end terminating in an integral tubular bore, a rockable arm connected to said supporting member and provided with a pivot having its axis disposed at a predetermined angle relative to the axis of said grinding wheel, a swingable carrier mounted on said pivot, a holder mounted on said carrier and adapted to support a drill with a lip of the latter in engagement with a radial face of the grinding wheel, and means comprising a cam engaging surface responsive to the swinging of said carrier for guiding the rocking movement of said arm so as to vary the position of said holder relative to said grinding wheel and thereby control the lip clearance of the drill being sharpened.

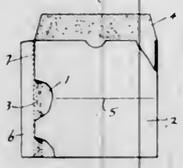
2,580,885
GARMENT HOLDER
Clara Brodkey, San Francisco, Calif., assignor of forty per cent to William V. Vogal, Chicago, Ill., twenty per cent to Harold R. Brodkey, and twenty per cent to Robert S. Brodkey, both of San Francisco, Calif.
Application May 25, 1946, Serial No. 672,239
2 Claims. (Cl. 211—89)



1. A garment supporting rack comprising a back plate with arms carried thereby, each of said arms having notches in the upper edges thereof, garment supporting clips removably disposed in said notches, each clip comprising a substantially U-shaped member having a rear leg forming a fixed jaw, a front leg and a middle portion connected to said legs, said front leg having an opening therein, a movable jaw, means pivoting said movable jaw to said fixed jaw, an operating member fixed to said movable jaw and passed through said opening to thereby prevent separation of said clip from the arm on which it

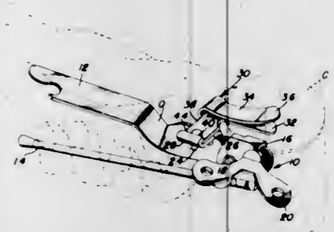
is disposed, and said middle portion being vertically removably located in a selected one of said notches.

2,580,886
ENVELOPE
Albert M. Broudy, Pittsburgh, Pa.
Application January 21, 1950, Serial No. 139,919
2 Claims. (Cl. 281—3)



1. An envelope constructed of an integral paper blank for binding into a publication, comprising a pair of panels of uniform size vertically folded together to lie flatly against each other, the side edges at one side of said pair of panels being integrally poined together throughout their lengths and the edges at the other side of said pair of panels being adhesively joined flatly against each other throughout their lengths, a binding extension provided with an easy-tear line integrally joined and co-extensive throughout the length of the adhesively secured side edge of one of said pair of panels, said imposed pair of panels being designed for having their lower portions combinedly folded horizontally to lie flatly against the upper imposed portions of said pair of panels when the latter are detached from said binding extension to form envelope pockets, and a gummed sealing flap integrally joined with the free edge of one of said portions and overlapping the free edges of the other of said portions for sealing said envelope pockets.

2,580,887
COVER CATCHING AND HOLDING ATTACHMENT FOR CAN OPENERS
Walter J. Bruske, Fall Creek, Wis.
Application August 31, 1950, Serial No. 182,494
6 Claims. (Cl. 30—124)



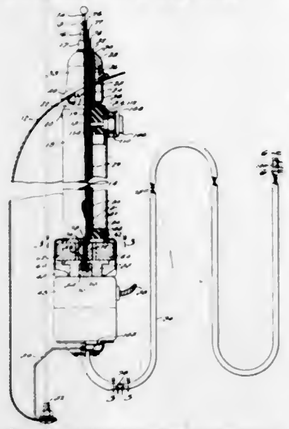
1. In a can opener including a pair of pivotally connected members and means for cutting a cover from a can, means for catching and holding the cover prior to the removal of the cover from its can, said cover catching and holding means comprising a bracket secured to one of said members and projecting laterally from said one of said members, a spring clip adapted to yieldingly grip a cover, and means pivotally securing said clip to said bracket and permitting swinging movement of said clip toward and away from said cutting means.

2,580,888
WALKING AID
James C. Burkett, Washington, D. C.
Application May 3, 1948, Serial No. 24,758
1 Claim. (Cl. 135—47)



A crutch comprising a ground engaging tubular extension merging at the upper end thereof in an intermediate skeleton portion including transversely spaced tubular frame portions and a tubular hand grip joining said frame portions intermediate the ends thereof to leave open spaces on opposite sides of said hand grip, a top arm pit engaging cradle, an imperforate portion immediately below said cradle and defining the upper limit of the open space above said hand grip, said imperforate portion being recessed to provide an article carrying compartment between the hand grip and the cradle whereby the added weight of articles in said compartment is confined to the top of the crutch above said hand grip to facilitate manipulation of the crutch through the hand grip, and closure means for the compartment in said imperforate portion.

2,580,889
EXTENSIBLE ANTENNA CONSTRUCTION
Emil Carlson, Detroit, Mich., assignor to H. Y. Bassett, O. D. Marcks, and V. D. Hanna, all of Detroit, Mich.
Application January 26, 1949, Serial No. 72,843
6 Claims. (Cl. 254—135)

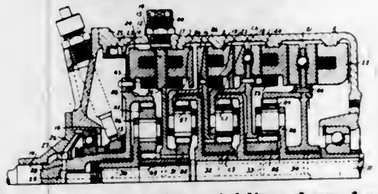


1. Means for longitudinally actuating an extensible rigid member such as a radio antenna comprising a flexible elongated externally threaded wire-like actuating element adapted to be mechanically connected to such an antenna, a cooperatively threaded driving nut structure engaging the threads of said element and rotatable to actuate the same, and means for preventing rotation of said element about its longitudinal axis comprising a longitudinally curved guide tube in which said element is slidably fitted.

2,580,890
PHENOL FORMALDEHYDE-RYE FLOUR-SODIUM HYDROSULFITE CONTAINING ADHESIVE COMPOSITION
Laurence E. Clark, Jr., Bainbridge, N. Y., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 15, 1947, Serial No. 741,688
1 Claim. (Cl. 260—7)

An adhesive composition of matter consisting of 100 parts of resin powder obtained by condensing 1 mol of phenol with 2 mols of 37 per cent formaldehyde solution in the presence of sufficient caustic soda to give a pH of approximately 9.5 and thereafter removing the water and pulverizing to produce the dry resin powder; together with 80 parts of water and 100 parts of an extender composed of 100 parts of rye flour, 110 parts of water, and 2 parts of sodium hydrosulfite.

2,580,891
PLANETARY CHANGE-SPEED GEAR
Robert Cecil Clerk, Richmond, England
Application June 23, 1948, Serial No. 34,782
In Great Britain September 3, 1946
2 Claims. (Cl. 74—759)



1. A planetary gearing yielding four forward speed ratios and including an input member, an output member, three planetary gear trains each having an annulus gear, a sun gear, and a planet-carrier carrying planet pinions each meshing with the sun and annulus gears, said trains being constituted by a primary train having its annulus gear coupled to said input member and its planet-carrier coupled to said output member, a secondary train having its sun gear coupled to the sun gear of the primary train, and a tertiary train having its sun gear coupled to the planet-carrier of the secondary train, the annulus gears of said secondary and tertiary trains being coupled to said output member, a controllable clutch operable for locking said primary train to produce therein a locked-unit drive condition, and three independently controllable brakes for preventing rotation respectively of the sun gear of said primary train, of the planet-carrier of said secondary train, and of the planet-carrier of said tertiary train.

2,580,892
TAUT WASHER FOR CLOTH
Henry A. Dameron, Greenville, S. C., assignor to Greenville Steel and Foundry Company, Greenville, S. C., a corporation of South Carolina
Application November 17, 1947, Serial No. 786,522
5 Claims. (Cl. 68—176)

1. In a taut washer for cloth, a casing having an entrance port and an exit port, a pair of spaced transverse partitions extending from the bottom of the casing upwardly and terminating at a point approximately one-third the height of the casing thus dividing the lower portion of the casing into a first, a second and a third chamber, said partitions extending from the wall on the entrance side of the casing to a point midway of the casing and then extending away from each other in a plane parallel to the entrance wall of the casing, and then extending to the wall on the exit side of the casing thus forming the first and third chambers of L-shaped formation and a second chamber of T-shaped formation, a single idler reel mounted in each of the said chambers, the idler reels in the first and third chambers being in alinement with each other in the bottom of the casing, the axis of the idler reel in the second chamber being parallel to but in off-set relation to the axis of the reels in the first and third chambers, the idler reel in the second chamber having its ends extending past the proximate ends of the reels in the first and third chambers, a driven roller disposed near the top of the casing and extending for a distance equal to the combined length of the reels in the first and third chambers and being parallel to all of said reels, a cloth guide bar disposed intermediate the driven roller and



the idler reels and in off-set relation thereto, a plurality of guiding spokes extending laterally from the guide bar, a water inlet port in one side of the casing and a water overflow port in the other side of the casing whereby a rope of cloth may be drawn into the casing through the entrance port by the driven roller beneath and over which the rope of cloth may pass and may be directed into the third chamber and around the idler reel therein and then outwardly over the driven roller spirally for a number of times and the cloth may be guided by the spokes in the guide bar as the rope of cloth passes from the driven roller to the idler reel in the third chamber and then the cloth may be guided by the said spokes to the reel in the second chamber a number of times in a spiral manner while still passing around the reel in the third chamber and then the cloth may be guided by the spokes from the driven roller around the reel in the first chamber a number of times in a spiral manner while still passing around the reel in the second chamber and then the cloth may be directed beneath the driven roll and outwardly through the exit port of the casing at the side remote from the entrance port for the cloth.

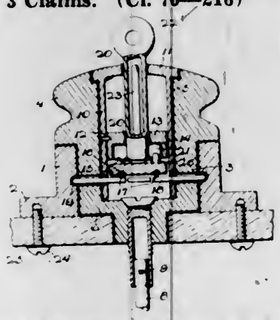
2,580,893
FINGER SHIELD DEVICE
Alene B. Dee, Chicago, Ill.
Application August 13, 1947, Serial No. 768,421
4 Claims. (Cl. 132—88.5)



1. In a finger shield device, a pair of movable shield members having a contour adapted to fit about a fingernail, actuating arms formed in-

tegrally with said shields, means connecting said arms in pivotal relation, handles connected to said arms and extending away from the fingernail beyond said pivotal connection, spring means urging said shield members toward one another, and a pair of inwardly-extending presser flanges carried by said shield members and adapted to press against the sides of the finger to force the fingernail upward into close engagement with the shield members.

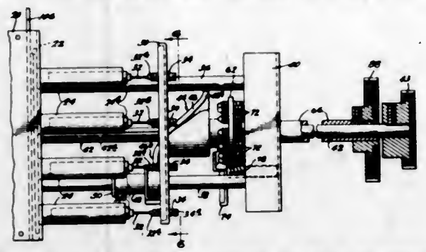
2,580,894
LOCKING DEVICE FOR LOCKING SHAFTS AGAINST ROTATION
Felix de Hoffmann, Buenos Aires, Argentina
Application December 22, 1947, Serial No. 793,113
In Argentina September 12, 1947
3 Claims. (Cl. 70—216)



1. A locking device for control shafts and the like, comprising, a tubular base having at least one keeper recess opening through the interior surface thereof, a knob rotatable in the base and having shaft coupling means at its inner end, latch means mounted in the knob for radial movement thereof and in a certain angular position of the knob adapted to be projected into the keeper, said latch means normally spring urged inwardly to a position substantially flush with the peripheral surface of the knob, a bushing slidable axially in the knob and spring urged outwardly to a predetermined position, said bushing having a key opening in its outer end, a wedge formation at the inner end of the bushing and cooperating with the first latch means to push the same into said keeper recess when the bushing is pushed inwardly, to lock the knob to the base plate means rotatable within the bushing and including eccentric guide means, second latch means having portions engaged by said guide means, and movable transversely of the bushing upon rotation of the plate means adapted to engage the first latch means when the bushing is pushed inwardly and thereby hold the bushing in an inwardly disposed position.

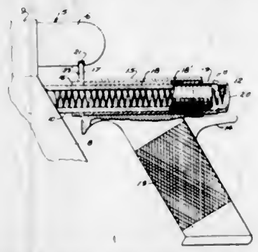
2,580,895
TUNING SYSTEM
Donald R. De Tar, Stratford, Conn., assignor to Aladdin Industries, Incorporated, Chicago, Ill., a corporation of Illinois
Application February 24, 1949, Serial No. 78,213
13 Claims. (Cl. 250—40)

1. A tuning system for use with an electric circuit, said system comprising in combination, a first tuner having a member movable in one direction to increased tuning frequency, a second tuner tunable over a different frequency band having a member movable in opposite direction to increased tuning frequency, means to move said members in unison over a complete cycle having a first portion of movement in one direction and a second portion of return movement in the opposite direction, and switch means adapted to connect said circuit to one of said



tuners during the first portion of said movement and to the other of said tuners during the second portion of said movement.

2,580,896
HACK SAW FRAME
John H. Dohner, Robinson, Kans.
Application August 14, 1947, Serial No. 768,548
3 Claims. (Cl. 145—34)

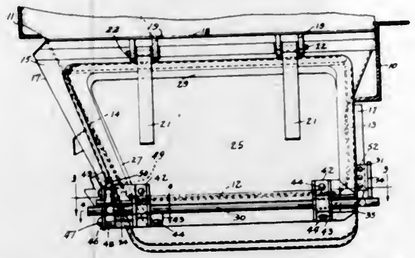


1. In a hack saw relatively slidable inner and outer frame sections, the outer section having a back portion formed with notches spaced longitudinally thereof; a blade connected at opposite ends to the respective sections; a spindle rigid at one end with and extending away from the inner frame section in parallelism with and below said back portion; an outer barrel mounted on the spindle for rotation and for sliding movement longitudinally of the spindle; a handle rigid with and extending laterally from the outer barrel; a cam disc having an inclined face rigid with and surrounding the outer barrel, said disc being engageable in any of said notches; and means movably mounted on said spindle and engageable with the barrel to shift the barrel slidably and longitudinally of the spindle, whereby to transmit slidable movement to the outer frame section through the medium of the cam disc and notch engagement for preliminary tensioning of the blade, the handle and barrel being rotatable in the position to which the barrel is slidably moved for camming engagement of the inclined face of the disc with the wall of the notch whereby to impart additional sliding movement to said outer frame section and effect final tensioning of the blade.

2,580,897
CAR DOOR LOCKING MECHANISM
George B. Dorey, Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application June 5, 1947, Serial No. 752,761
1 Claim. (Cl. 105—308)

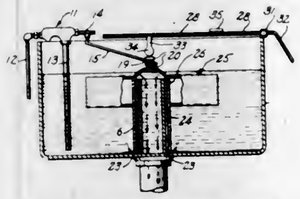
In a car door mechanism for the hopper of a car body having a discharge opening and a door

pivotally mounted adjacent the upper part of the opening for closing said opening; the improvement which consists of latching means for retaining the door in closed position, said means including members respectively carried by the door and car body, said members on the door including a crank shaft pivotally mounted adjacent the swinging edge of the door and having an arm at each end thereof formed with a projection extending lengthwise of the shaft and spaced ap-



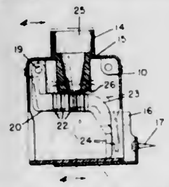
preciably from the pivotal axis of the shaft, said members on the car body including shouldered keepers co-operating with the projections of the shaft; brackets on the door for supporting the shaft, one of said brackets having a pair of guiding walls associated therewith, said walls being spaced apart to accommodate one of the arms therebetween; and a locking dog pivotally mounted between said walls and adapted to engage the related arm for locking the door mechanism in operative latching position.

2,580,898
FLUSHING TANK
Alejandro Dumigrón y Alzugaray, Matanzas, Cuba
Application March 2, 1948, Serial No. 12,635
3 Claims. (Cl. 4—47)



1. A flush tank comprising a tank adapted to contain liquid to a predetermined normal level, a liquid discharge pipe rising through the tank bottom to a point above said normal liquid level, a closed top tubular cylinder freely telescoped upon said discharge pipe and having an internal diameter larger than the external diameter of said discharge pipe so as to define an annular passage therebetween, a float secured to said cylinder sufficiently buoyant to hold said cylinder in an elevated position on said discharge pipe and to have a substantial portion of the float exposed above said normal liquid level, a stud rising from the top of said cylinder, a liquid inlet valve in said tank, operating means connected between said inlet valve and said stud at a point below the upper end of said stud whereby said valve is closed whenever said cylinder is in the elevated position and open said valve whenever said cylinder is in a depressed position, and a horizontal axially rotatable rod journalled on the upper part of said tank including a handle for rotating said rod, said rod having a lateral arm overlying said stud, counterweight means on said rod normally positioning said rod with said lateral arm elevated out of contact with said stud, and a handle on said rod for rotating said rod in a direction to engage said lateral arm with the upper end of said stud and depress said cylinder and float and produce siphonic movement of said liquid through said annular passage between the discharge pipe and said closed top cylinder and downwardly through said discharge pipe.

2,580,899
DISPENSER HAVING BRUSH OPERATED MEANS FOR RECIPROCATING THE SUPPLY CONTAINER AND LOOSENING THE MATERIAL CONTAINED THEREIN
William V. Eaton, Cleveland, Ohio
Application November 14, 1949, Serial No. 127,145
8 Claims. (Cl. 222—127)



1. A dispensing device comprising, a body, a support for substantially vertically reciprocably supporting material to be dispensed positioned in said body, said support being hollow so that said material is adapted to flow therethrough, and an actuable means in contact with the discharge opening of said supply support upon movement being adapted to vertically reciprocate said supply support and simultaneously frictionally loosen the material in said support causing it to flow.

2,580,900
PACKAGE FOR TWINE, ROPE, OR THE LIKE
Henry Epstein, Brooklyn, N. Y., assignor of one-third to Mandel E. Epstein and one-third to Morton M. Epstein, both of New York, N. Y.
Application February 23, 1950, Serial No. 145,852
2 Claims. (Cl. 206—59)



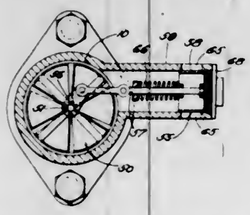
1. In an article of the character described the combination of a bundle formed of a continuous rope, twine or the like, wound about an axis and having an exposed end piece to be pulled to unwind the bundle, a box housing the bundle and provided with a slot in a wall thereof intersected by said axis; said slot being substantially radial with respect to said axis; the said end piece of the rope, twine or the like being positioned along the slot, a first strip of sheet material pasted on the box across a part of the slot and positioned where it crosses the slot, between the bundle and the said end piece of the rope, twine or the like; the said end piece extending from the bundle and across and beyond said first strip and a second strip of sheet material pasted on the box across the slot and adhering to said end piece of the rope, twine or the like and also overlapping and adhering to the first strip, whereby when said second strip is ripped off the box from across the slot, the free end piece of the rope, twine or the like, will be carried along with the second strip and said first strip will rip off and be carried

along by said second strip; the commencement of the ripping off of the first strip being later than the commencement of the ripping off of the second strip.

2,580,901
COPOLYMER OF STYRENE, GLYCIDYL ACRYLATE, AND GLYCIDYL METHACRYLATE
John G. Erickson, Greenwich, and Walter M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 19, 1948, Serial No. 34,143
1 Claim. (Cl. 260—86.7)

A three-component copolymer of the following compounds in the specified weight ratios: 360 parts of styrene, 30 parts of glycidyl methacrylate and 10 parts of glycidyl acrylate.

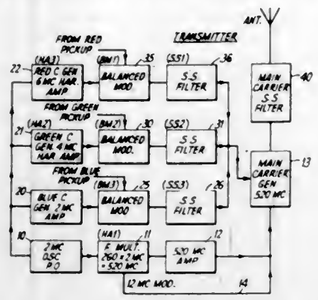
2,580,902
AUXILIARY AIR INLET FOR INTERNAL-COMBUSTION ENGINES
Huseyin Nazmi Eriskin, Galata-Istanbul, Turkey
Application December 7, 1948, Serial No. 63,886
1 Claim. (Cl. 261—63)



In combination with the intake of an internal combustion engine and a carburetor therefor, a cylindrical fuel-air passage between said carburetor and said engine, an auxiliary atmospheric air intake valve housing connected at right angles to said fuel-air passage, a winged rotor in said fuel-air passage coaxial with said passage, and a crank connected to the shaft of said rotor, said auxiliary air intake valve housing having an air intake port in the wall of its outer end, a sleeve valve member axially slidable in said housing for closing and opening said port and having a stem connected at one end to the crank of said rotor, and a spring holding said sleeve valve member in normally closed position, said rotor being responsive to a predetermined rate of flow of fuel and air in said passage, and operating to open said auxiliary atmospheric air intake valve against the force of said spring above a predetermined engine speed.

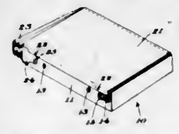
2,580,903
COLOR TELEVISION SYSTEM
John E. Evans, Montgomery Township, Somerset County, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 2, 1947, Serial No. 751,918
12 Claims. (Cl. 178—5.2)

1. A color television transmission apparatus comprising in combination, means for developing signal representations of a plurality of the component colors of the image being televised, a source of oscillations of fixed frequency, means for deriving a plurality of electrical signals from said oscillations of fixed frequency and whose frequencies are spaced apart and which bear a harmonic relationship in frequency to the frequency of the fixed frequency, and means for modulating each of the derived frequencies with the exception of two with the signal representa-



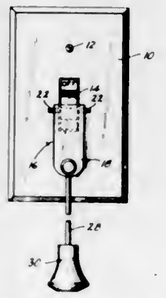
tions of at least one different of the component colors of the image being televised and modulating one of said unmodulated electrical signals with all the other of said electrical signals.

2,580,904
PORTABLE STADIUM CUSHION AND/OR SPORTS CUSHION
William S. Faulkner, Jr., Charlotte, N. C.
Application April 28, 1947, Serial No. 744,364
1 Claim. (Cl. 5—339)



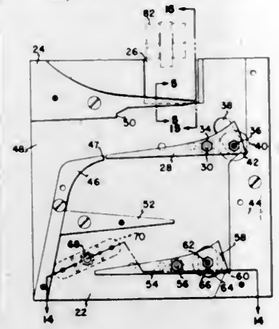
A device of the character described, comprising a cushion having a covering, a filler in said covering, a bellows shaped pocket secured to one end of said covering, a closure flap secured to said covering for closing said pocket, air vents in said covering means secured to said covering for receiving removable means for carrying said cushion, a protective covering of contrasting colors over said first covering and detachable fastening means for securing said protective covering to said first covering.

2,580,905
SWITCH OPERATOR
William C. Foster, Baltimore, Md.
Application October 18, 1949, Serial No. 121,944
1 Claim. (Cl. 200—172)



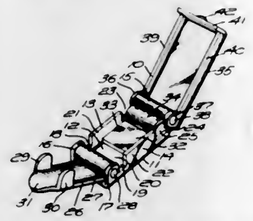
An operator for a wall-type toggle switch having an operating lever, comprising a connector frame, clamping means carried by said frame pivotally engageable with said lever for movement about a horizontal axis and suspending said frame therefrom, and an operating rod depending from said frame and pivoted relative thereto about an axis substantially normal to the first said axis.

2,580,906
COIN-CONTROLLED UNIT FOR SLOT MACHINES
Clarence M. Frost, Milton, Mass., assignor to Frost Vending Machine Co., Milton, Mass., a corporation of Massachusetts
Application February 3, 1947, Serial No. 726,055
2 Claims. (Cl. 194—97)



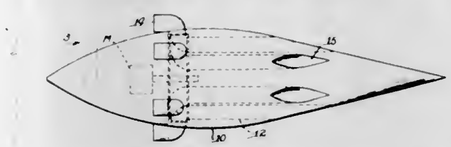
1. A coin-controlled unit comprising a pivoted and counterweighted chute down which a coin rolls, stopping means above the chute to engage the upper portion of a coin and to effect momentary arresting of a milled coin but to cause a smooth coin to bounce back, the chute having a static balance point for a coin slightly in back of the stopping means, whereby the rate of tilt of the chute depends on the relation of the stopping point of a coin to said static balance point, and a member having a corner opposed to the end of the chute, said corner separating acceptance and rejection passages, the corner being in advance of the said stopping means.

2,580,907
SNAP CLASP
Kurt Gaupp, Maplewood, N. J., assignor to Forstner Chain Corporation, a corporation of New Jersey
Application September 7, 1946, Serial No. 695,378
1 Claim. (Cl. 24—241)



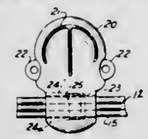
A snap clasp, comprising a base having a bottom wall and side walls, the side walls having aligned pivot tab forward portions and aligned slots forming a forward recess, and the bottom wall having a curled rear end forming an end hinge, the side walls being spaced from the curled rear end of the bottom wall to provide a rear recess, a lock plate fixed to the base between the side walls and having an upstanding arcuate rear portion adapted to extend over the rear recess after one end link of a bracelet is positioned therein, an inner closure plate hingedly secured to the side wall pivot tab forward portions and movable to frictionally seat between the side walls and extend over the front recess after the other end link of the bracelet is positioned therein, and a cover hinged to the bottom wall curled rear end and adapted to snap lock over the inner closure plate.

2,580,908
CYLINDRICAL ROTATING VALVE MECHANISM FOR MULTIPLE RESONANCE CHAMBERS
Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Application October 2, 1947, Serial No. 777,468
3 Claims. (Cl. 60—35.6)



1. In aircraft propulsion apparatus, a casing enclosing an internal circumferential series of fixed resonance chambers parallel to the casing axis and each having an intake pipe external to said casing and parallel to the casing axis and at a substantially greater radial distance from said axis than the associated resonance chamber and having a short and substantially radially-disposed intermediate connecting conduit, a single cylindrical valve member crossing all of said intermediate conduits and having circumferentially spaced port openings and intervening closed portions, and means to continuously rotate said valve member.

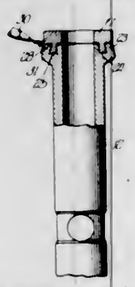
2,580,909
CASKET HANDLE
Alred L. Gordon, Cleveland Heights, Ohio, assignor to Chicago White Metal Products, Inc., Chicago, Ill., a corporation of Illinois
Application February 24, 1949, Serial No. 78,113
2 Claims. (Cl. 16—111)



1. A coffin handle, comprising in combination, a plurality of linearly aligned and spaced bracket members adapted to be mounted on the side of a coffin, each of the said brackets having a laterally extending and dependent arm portion formed integral therewith, each of the said arms having spaced upper and lower horizontally extending parallel walls formed therein and connected by a vertical wall spaced inwardly from the posterior face of the said arm, the several walls together defining a horizontally extending U-shaped channel which intersects the aforesaid posterior face of the arm, the said upper and lower walls having oppositely positioned parallel slots therein, each of the said slots having a first end and a second end, the said aligned slots being angularly disposed with reference to the said vertical wall and nearer to the vertical wall at their second end than at their first end; a single longitudinal-

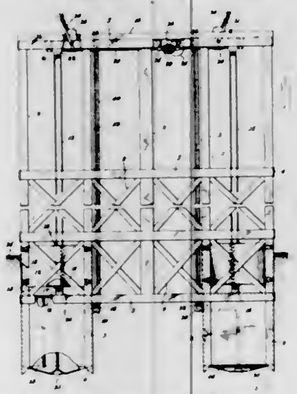
ly extending hand-rail positioned in the said channels of the several brackets, the thickness of the said hand-rail being greater than the distance between the second end of the slots and the vertical wall but less than the distance between the first end of the slots and the aforesaid vertical wall; and a key mounted in each pair of aligned slots in pressed engagement with the said hand-rail, whereby the hand-rail is caused to bear against the vertical wall of said channels in rigid locked engagement with the several brackets.

2,580,910
CONTACT CONSTRUCTION
Merlin C. Harman, Chicago, Ill., assignor to S & C Electric Company, Chicago, Ill., a corporation of Delaware
Application February 8, 1949, Serial No. 75,234
6 Claims. (Cl. 200—166)



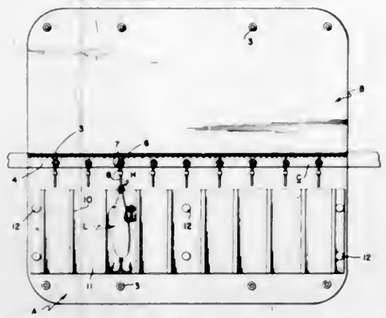
1. A contact construction comprising, in combination, a cylindrical support member having relatively poor arc resisting characteristics, and a ringlike arcing tip having relatively good arc resisting characteristics secured to one end of said cylindrical support member by a dovetail joint.

2,580,911
FOUNDATION STRUCTURE FOR DERRICKS
Frederic R. Harris, New York, N. Y.; Michael S. Lobenthal, Monroe Percy Bloch, and Florence B. Downs executors of said Frederic R. Harris, deceased
Application May 27, 1947, Serial No. 750,687
14 Claims. (Cl. 61—46)



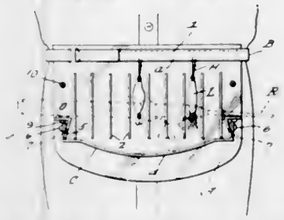
1. A foundation structure having upright supporting legs, a platform thereon, submersible caissons secured to the lower ends of said legs, pontoons movably engaging said legs, and means for adjusting said pontoons with reference to said legs, said means comprising cables and pulleys therefor, one of said pulleys for each pontoon being fixed and mounted adjacent one of said caissons.

2,580,912
TACKLE HOLDER FOR FISHERMEN
Ollie P. Hawthorne, Pampa, Tex.
Application May 16, 1949, Serial No. 93,595
4 Claims. (Cl. 224—5)



1. A fisherman's lure holder comprising two apron bodies lying one over the other and having two of their edges parallel, said edges forming the top of the holder, said bodies being of a relatively stiff but flexible material, a hinge strip of material overlying said edges and secured to each of said bodies, said hinge strip having greater flexibility than the material of the bodies, a waist band having a portion intermediate its ends disposed across one of the bodies along the said top edge thereof, said band having a top edge secured to the said one body and a bottom edge which is free of connection with the bodies, a plurality of suspension elements attached to the free bottom edge portion of the band, and means for detachably coupling the bodies at their bottom edges.

2,580,913
TACKLE HOLDER FOR FISHERMEN
Ollie Paul Hawthorne, Pampa, Tex.
Application June 15, 1949, Serial No. 99,317
4 Claims. (Cl. 224—5)



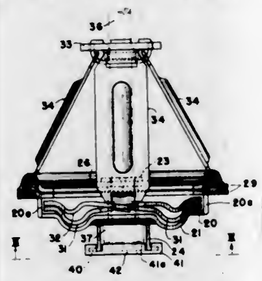
1. A fisherman's lure holder of the class described, comprising an apron body, a waist encircling band having a portion disposed over one side of said body along the upper marginal portion thereof, means securing said band along the top longitudinal edge thereof to the body providing a depending flap, a plurality of hanger elements attached to and depending from the flap, a plurality of spaced elements disposed upon said one side of the body and projecting forwardly therefrom, each of said hanger elements being positioned to hang in a line passing between two of said spaced elements, and a cover member hingedly secured to the body adjacent to the lower margin thereof, said cover member when in closed position being disposed over the spaced elements in relatively close relation thereto to form therewith a lure enclosing compartment.

2,580,914
INSERT FOR NECKTIES
Julius A. Hirsch, Chicago, Ill., assignor to Cutter-Cravat, Inc., a corporation of Illinois
Application February 25, 1948, Serial No. 10,809
3 Claims. (Cl. 223—82)



1. An insert for a necktie formed by folding a piece of material into flat tubular formation and having a face portion and a rear portion with meeting edges terminating short of the face portion comprising, an elongated sheet of relatively resilient rigid material having a configuration corresponding to the configuration of the face portion of the necktie and adapted to be inserted in the necktie, said sheet having at its lower portion at a point corresponding to the meeting edges of the rear portion of the necktie a longitudinally and transversely extending slit forming a longitudinally extending flap for receiving the meeting edges of the rear portion of the necktie and clamping the same in the slit between the sheet and the flap resiliently to retain the insert in the necktie.

2,580,915
EARTH ANCHOR
Andrew A. Hocher, Glenshaw, Pa., assignor to Hubbard and Company, a corporation of Pennsylvania
Application June 10, 1947, Serial No. 753,745
3 Claims. (Cl. 189—92)



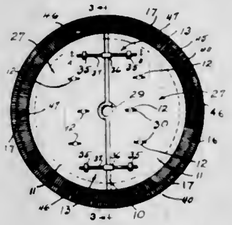
3. An earth anchor comprising a base plate; four flukes supported in superimposed relationship on said plate and arranged in two pairs with the flukes of each pair oppositely disposed and located in overlapped, crossed, interfitting relationship, each such fluke being slotted with the slot of one fluke of each pair interfitting with the slot of the other fluke of the pair; the flukes of at least the superimposed pair being corrugated to provide ribs extending throughout the length thereof and parallel to the slot therein; a fluke retaining plate engaging both flukes of the superimposed pair with each lateral edge thereof in guiding relationship with a rib of one such fluke; and a guy rod retaining sleeve extending through the slots in the flukes and through said plates and securing the plates in spaced and non-turning relationship to each other.

2,580,916
HIGH FIDELITY SOUND REPRODUCING UNIT WITH RESILIENTLY SUSPENDED BAFFLE PLATE
Murry Kelly Hodge, North Little Rock, Ark.
Application September 20, 1950, Serial No. 185,834
12 Claims. (Cl. 181—31)



1. A sound reproducing unit with an electrodynamic loud-speaker having a substantially conical membrane, comprising a baffle assembly arranged in front of the membrane of the loud-speaker, said baffle assembly including a resiliently suspended square baffle plate provided with an opening located in front of the loud-speaker membrane, a rear baffle member having wedge shaped fins, projecting into the cone of the loud-speaker and an outer baffle member provided with a plurality of openings and fixedly mounted on the said square baffle member in front of the opening of the same.

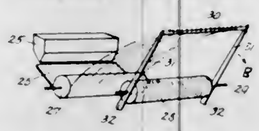
2,580,917
ABRADING DEVICE
Arthur C. Hodgson, Topeka, Kans.
Application December 3, 1946, Serial No. 713,685
1 Claim. (Cl. 29—76)



In an abrading device, a fixed support portion having a substantially flat face, a peripheral edge, and an axial opening, a pair of movable support portions slidable toward and away from each other over said face, each movable support portion having a substantially semi-circular peripheral edge and a semi-circular flange extending from said edge; means slidably securing said movable portions to said fixed portion so that the peripheral edge parts of the movable portion will overhang said fixed support portion; means for sliding the removable portions toward and away from each other; a cylindrical peripheral portion having an outer abrasive working face, an edge abrasive working face, and an inner face with said inner face engaging, in a tight-fitting relation, the outer faces of said flanges; means detachably securing said cylindrical peripheral portion to said flanges, a substantially circular portion having an abrasive working face with said last-named working face extending to and merging into the edge abrasive working face of

said cylindrical portion; and means to detachably secure said circular portion to at least one of said movable support portions.

2,580,918
PROCESS AND APPARATUS FOR THE PRODUCTION OF ARTIFICIAL FIBERS
Drahomír Horsák, Brunn, Czechoslovakia
Application August 4, 1947, Serial No. 766,102
In Czechoslovakia March 14, 1947
7 Claims. (Cl. 18—8)



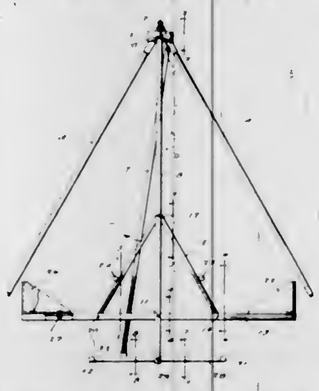
2. An apparatus for the formation of fibres, comprising in combination a member having, a receiving surface; means for uniformly spreading a continuous supply of a fibre-forming material on said receiving surface; a comb member; means for rotatably supporting said comb member; and means for revolving said comb member so as to bring it into and out of engagement with the material on said receiving surface whereby fibres are formed by a pulling action.

2,580,919
ARACYLHYDRAZO SUBSTITUTED NITRILES
Edward G. Howard, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 1, 1950, Serial No. 141,866
8 Claims. (Cl. 260—465)

3. An aracylhydrazo substituted nitrile having the aracylhydrazo and cyano groups on the same carbon which carbon bears not more than one hydrogen.

6. An arylsulfonylhydrazo substituted nitrile having the arylsulfonylhydrazo and cyano groups on the same carbon which carbon bears not more than one hydrogen.

2,580,920
DOUBLE SWING
Melvin W. Hunt, Gardena, Calif.
Application October 29, 1946, Serial No. 706,411
1 Claim. (Cl. 155—63)



A self-propelling swing comprising a horizontally disposed supporting member, a pair of parallel support members pivotally depending from the sides of the supporting member at the center thereof, a yoke depending from the center of the supporting member at one end thereof, a seat frame mounted between the support members adjacent to the lower ends thereof and disposed at right angles thereto, seats carried by said frame, an elongated foot treadle pivoted at its center to the lower extremities of the support members and having its ends disposed beneath the seats, a rigid link having one end pivoted to said treadle at a point on one side of the plane of the support members and its other end pivoted to the yoke which is disposed on the opposite side of the plane of said support members so that the link extends diagonally of the support members, a pair of reinforcing braces connecting one side of said seat frame on one side of the plane of the support members to said support members and the other side of said seat frame on the opposite side of said plane to the support members, said braces being positioned offset from the plane of movement of the link and handle bars carried by said braces.

2,580,921
RADIO REFLECTOR
Harley Iams, Venice, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application October 1, 1947, Serial No. 777,355
5 Claims. (Cl. 250—33.65)



1. An omnidirectional reflector for returning radiant energy incident in a dielectric medium along a path substantially parallel with that along which it arrives at the reflector, independently of the azimuth of said path, comprising a spherical body of dielectric material having a diameter of at least several wavelengths of the energy to be reflected, and an equatorial band of conductive material concentrically surrounding said dielectric body and in a plane parallel to the direction of travel of the incident energy to be reflected, said band having a width of substantially one half the wavelength of the energy to be reflected, said reflector being immersed substantially entirely in said medium, the inner surface of said band being positioned at the loci of the focal point of said energy.

2,580,922
PREVENTION OF FOAMING IN STEAM GENERATION
Arthur L. Jacoby, Western Springs, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 19, 1942, Serial No. 459,014
14 Claims. (Cl. 252—321)

4. A method of generating steam which comprises boiling, under superatmospheric pressure conditions, water containing an amount of total dissolved solids tending to produce foaming and priming and a quantity of the condensation product of about 2 mols of an N-alkyl halogeno organic acid amide and 1 mol of an organic polyamine having at least two amino groups with replaceable hydrogen atoms, said amino groups being connected by a group containing not more than 6 carbon atoms and the N-alkyl group containing at least 14 carbon atoms, said quantity being sufficient to substantially inhibit said foaming and priming.

2,580,923
PREVENTION OF CORROSION IN STEAM GENERATION
Arthur L. Jacoby, Western Springs, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 19, 1947, Serial No. 755,739
10 Claims. (Cl. 252—180)

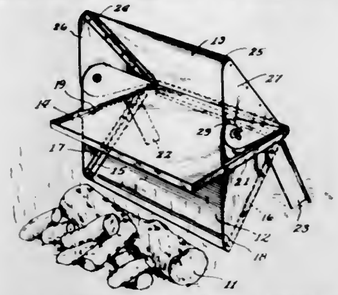
1. In a system wherein steam is generated from a boiler water containing an alkali and condensed, the process which comprises introducing into said boiler water containing an alkali a quantity of a substantially non-hygroscopic water soluble salt of a mono-amine miscible with water in all proportions and volatile with steam at the boiler temperatures and pressures, the quantity of alkali in said boiler water being in excess of the amount required to hydrolyze said amine salt to the free amine, and the quantity of amine salt being effective to liberate a corrosion inhibiting quantity of said volatile amine in sufficient amount to produce a pH in the steam condensate of at least 6.3.

2,580,924
PREVENTION OF CORROSION IN STEAM GENERATION
Arthur L. Jacoby, Western Springs, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 19, 1947, Serial No. 755,740
5 Claims. (Cl. 252—180)

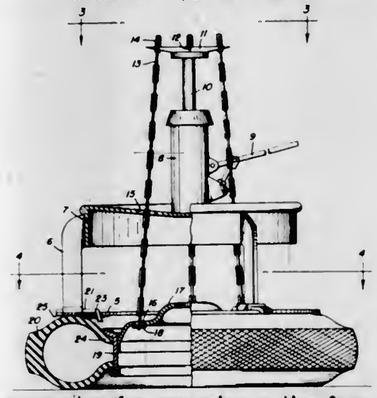
1. In a process of generating steam, the method which comprises generating steam from an alkaline boiler water while incorporating into the feed water to the boiler a quantity of a polyamine salt from the group consisting of the neutral hydrochloride, hydrobromide, nitrate, orthophosphate, pyrophosphate, acetate, and 2-naphthalene sulfonate of ethylenediamine, the acid nitrate and acid oxalate of ethylenediamine, the mixed alkali metal amine neutral salts of ethylenediamine monosodium orthophosphate, the mixed neutral salts of ethylenediamine lignin sulfonic acid and sulfuric acid, the nitrate, the sulfate, the orthophosphate, the hydrochloride, the acetate, the phenyl acetate and the 2-naphthalene sulfonate of diethylenetriamine as the neutral salts, the quantity of alkali in the alkaline boiler water being in excess of the amount required to hydrolyze said salt and the quantity of the salt being effective to liberate a corrosion inhibiting quantity of the polyamine upon said hydrolysis and being equivalent to approximately 0.015 pound for each neutralizing amino group in the amine per grain of methyl orange alkalinity per thousand gallons of water.

2,580,925
REFLECTOR OVEN
Kenneth W. Jarvis, Winnetka, Ill.
Application May 28, 1947, Serial No. 750,927
4 Claims. (Cl. 126—274)

1. A collapsible reflector oven comprising a pair of vertical triangular side members each having formed therein a horizontal channel for receiving a tray, a single pivoted support leg for each side member arranged to engage said channel in supporting position, a rectangular lower reflector interconnecting said side members below said channel, a rectangular upper reflector connected to two triangular vertical side members, said side members being pivotally connected to said first mentioned vertical side members by thumb screw members, and a tray for said channels having internal dimensions greater than the maximum dimensions of said reflectors or said side members.

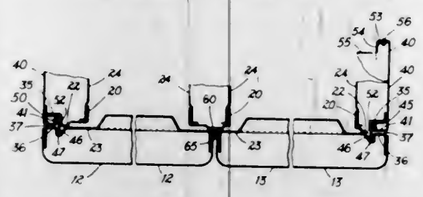


2,580,926
TIRE REMOVING APPARATUS WITH CIRCUMFERENTIALLY DISTRIBUTED BEAD ENGAGING MEMBERS
Charley E. Johnson and Gustave C. Bratland, Yamhill, Oreg.
Application December 29, 1949, Serial No. 135,597
1 Claim. (Cl. 157—1.2)



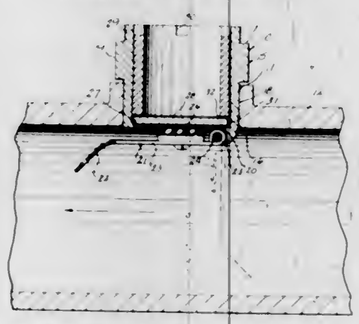
An apparatus for removing a tire from a rim on which the same is mounted, said apparatus comprising a base ring adapted to rest on a tire side wall outwardly of the rim, a plurality of upstanding legs secured at circumferentially spaced points to said ring, a circular platform having a depending marginal flange secured to upper ends of said legs and including a concave upper surface affording a seat at the center thereof, a mechanical lifting device having a base portion positioned on said seat and including a vertically projectable lifting member, a disc positioned at the upper end of said lifting member and provided in its marginal edge portion with notches, a set of chains adjustably anchored in said notches and extending downwardly through apertures in said platform for connection to the stated rim, lower end portions of said legs being provided with radial slots, and a plurality of radially adjustable dogs slidable in said slots, said dogs having downturned inner end portions adapted to engage a tire bead.

2,580,927
STOVE
Bertrand B. Kahn, Cincinnati, and Paul F. Metz, Hamilton, Ohio, assignors to Noma Electric Corporation, Hamilton, Ohio, a corporation of Maryland
Application December 15, 1948, Serial No. 65,304
12 Claims. (Cl. 126—37)



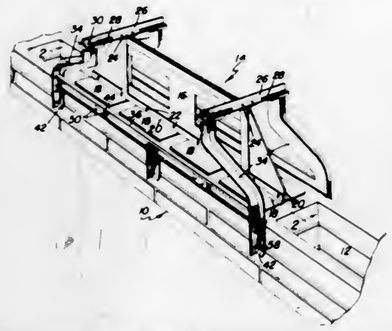
6. A cooking stove of the character described including an oven and comprising a frame forming an opening for said oven, an oven door hinged on said frame, said door and said frame including portions along a side edge of said opening extending laterally outwardly from said opening in spaced relation with each other when said door is closed to form a slot in the side of said stove, a side panel extending rearwardly of said stove from said slot and including a front flange extending within said slot in overlapping relation with said laterally extending frame portion, said front flange on said side panel including a flange extending rearwardly therefrom, a sealing member mounted on said laterally extending frame portion longitudinally of said slot for obstructing the passage of gases from the interior of said oven through said slot, said sealing member including portions cooperating to form a groove opening forwardly of said frame, said rearwardly extending flange on said side panel being received within said groove to retain said side panel in position on said frame, and means for securing the rearward end of said side panel to said frame.

2,580,928
FLOW INDICATOR
Alex Kehm, Grand Island, Nebr.
Application October 3, 1950, Serial No. 188,195
3 Claims. (Cl. 116—117)



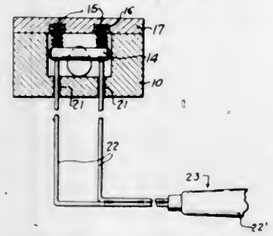
1. In a flow indicator for a conduit, a sleeve adapted to extend radially through a hole in the side wall of the pipe, said sleeve having open outward and inward ends, a radially inwardly projecting seat at the inward end of the sleeve, a translucent glass seated on the seat, a retainer ring secured in the sleeve and holding the glass on the seat, a flow operated arm pivoted on the inward end of the sleeve to swing from a first position across the conduit to a second fluid flow-induced position across the inward end of said sleeve, and means on one side of said arm visible through said glass while the arm is in the second position as a result of flow of fluid through the conduit.

2,580,929
MORTAR SPREADER
Tsuchinojo Kimura, Los Angeles, Calif.
Application July 17, 1950, Serial No. 174,195
5 Claims. (Cl. 72—128)



1. A mortar spreader comprising an opposed pair of side frame members, a longitudinally extending spine member, a plurality of core covers attached to said spine member, means adjustably mounting said spine member and core covers between said side frame members, said said frame members being substantially U-shaped in cross-section, slides slidably mounted in said side frame members, and mortar retaining legs secured to said slides.

2,580,930
RETAINER DEVICE FOR TOOLS
Harold W. Kost, Toledo, Ohio, assignor to Prestole Corporation, Toledo, Ohio, a corporation of Michigan
Original application September 16, 1948, Serial No. 49,539. Divided and this application January 17, 1951, Serial No. 206,480
2 Claims. (Cl. 279—79)

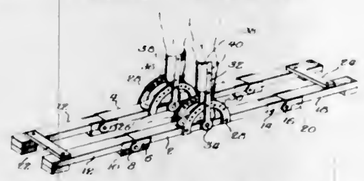


1. A tool retainer comprising a unitary fixture block having a cylindrical tool shank-receiving opening extending therethrough, a backing plate secured to one end of said opening, said block having an inclined opening intersecting said cylindrical opening and with the outer end thereof closed by said backing plate, an elongate cylindrical retainer movable in said inclined opening to a position partially to obstruct said tool shank-receiving opening, there being an arcuate surface in said block at the outer end of said inclined opening for said retainer in the extreme outer position thereof, there being a pair of laterally spaced passages leading from said arcuate surface to the outside in substantially parallel relation to said tool shank-receiving opening thereby to receive the prongs of a tool for forcing the retainer rearwardly in order to release the engaged tool shank, said inclined opening being of dumbbell shape in cross section whereby to provide a pair of spring-receiving sockets at each end thereof, a pair of springs in said sockets resiliently urging said retainer into its obstructing position, and sockets in said backing plate receiving the ends respectively of said springs thereby positively to restrain the springs from lateral shifting movements.

2,580,931
PRODUCTION OF SEBACIC ACID
Frank Wesley Lane, Elkton, Md., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 22, 1950, Serial No. 175,489
11 Claims. (Cl. 260—537)

1. A process for the production of sebacic acid which comprises pyrolyzing a substantially non-fluid, saponified solid mixture of an alkali and a ricinoleate-containing compound by directly contacting said solid mixture with steam at substantially atmospheric pressure and recovering sebacic acid from the pyrolysis product.

2,580,932
EXERCISING DEVICE
Norman D. Lantry, Hammond, Ind.
Application August 25, 1949, Serial No. 112,259
6 Claims. (Cl. 272—57)



1. An exercising device of the character described comprising an elongated main supporting structure adapted to be positioned horizontally, bracing means mounted for angular adjustment in a substantially vertical plane intermediate the ends of said structure and extending upwardly therefrom and adapted to receive and hold the legs of a person, and means for maintaining said bracing means in any position to which adjusted.

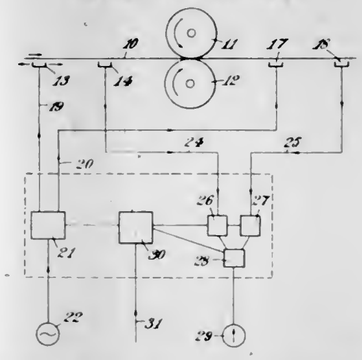
2,580,933
SASH MOUNTING
Harry G. Larson, Oakland, Calif.
Application May 3, 1950, Serial No. 159,820
5 Claims. (Cl. 20—42)

1. In a window having a frame, at least two sashes mounted in said frame one above the other to provide an upper sash and a lower sash; individual and separate means supporting each of said sash in said frame adjacent the opposite ends of the individual sash supported thereby including a first strap member secured to each side of said frame, a shoe slidable on said strap member, a second strap member hinged on said shoe and attached along a side of a sash, and a third strap member hinged at one end on said first member and at its other end on said second strap member intermediate the ends thereof; a travel bar extending vertically in said frame; a first arm extending from each second strap member secured to said upper sash and hinged on said travel bar; a second arm extending from each second strap member on said lower sash to an end beyond that vertical face on said travel bar spaced furtherest from said lower sash; a pin



secured to said arm end; said travel bar having a slot therein opening into said vertical face for receiving said pin.

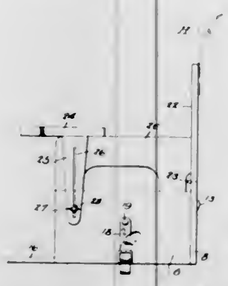
2,580,934
APPARATUS FOR MEASURING EXTENSION OF FERROMAGNETIC MATERIAL DURING ROLLING
Angus Love and György Sik, known as George Sik, Dartford, Kent, England, assignors to Baldwin Instrument Company Limited, Dartford, Kent, England, a British company
Application August 15, 1949, Serial No. 110,444
In Great Britain March 27, 1947
4 Claims. (Cl. 235—103.5)



1. Apparatus for measuring the extension of moving ferro-magnetic material passed between working rolls during a rolling process, comprising a magnetic marking device for applying a magnetic sine-wave pattern at a controlled frequency to one face only of the moving material at the ingoing side of the working rolls, a pick-up device for detecting the magnetic sine-wave pattern at the ingoing side of the working rolls, a second magnetic marking device for applying a second magnetic sine-wave pattern to the material but at the outgoing side of the working rolls, said second magnetic sine-wave pattern being applied at a frequency identical to the frequency of the first magnetic sine-wave pattern, a second pick-up device for detecting the second magnetic sine-wave pattern applied to the material, an alternating current generator for si-

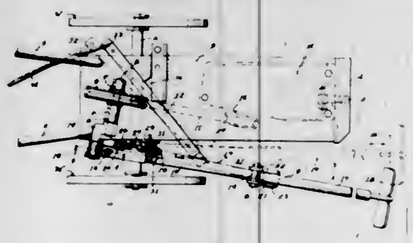
multaneously supplying alternating current to the first and the second magnetic marking devices, and indicator means controlled by the two pick-up devices for comparing the phase relationship of the two magnetic sine-wave patterns.

2,580,935
FOLDING BABY CHAIR AND TRAY
Cleo Lovelace, Los Angeles, Calif., assignor of one-half to H. T. Edwards, Glendale, Calif.
Application January 6, 1949, Serial No. 69,561
1 Claim. (Cl. 155—127)



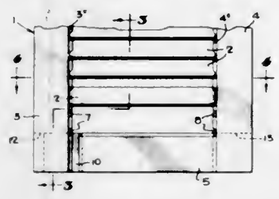
In an infant's chair a seat portion, arm rests hinged to the upper face of the seat portion along opposite sides of the seat portion said arm rests being swingable to a position in which they extend vertically from said upper face of the seat portion, the arm rests being swingable to another extreme position in which they are folded against and lie flat upon said seat portion, and a food tray extending fully across the seat portion and straddling both arm rests, the food tray including a transversely extended tray member the end portions of which overlie the top edges of the arm rests in the first-named position of the arm rests, and arms rigid with and depending from the opposite ends of said tray member and having elongated slots, said arms being pivotally connectable to the side walls of the seat portion through said slots and being secured by their connections to the seat portion in a position in which the tray member presses downwardly upon the top edges of the arm rests to retain said arm rests in raised position.

2,580,936
LATERALLY ADJUSTABLE OSCILLATING HOE
Orville C. Lytle, Kittanning, Pa., assignor of one-half to William H. Campbell, Kittanning, Pa.
Application May 3, 1949, Serial No. 91,071
4 Claims. (Cl. 97—45)



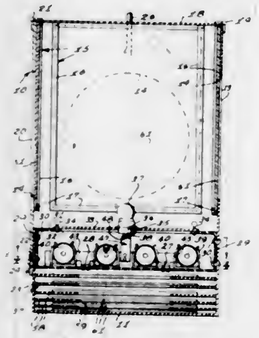
1. A ground working apparatus comprising a portable body, a frame portion to one side of the body, means for pivotally supporting the rear portion of the frame from the body, manually operable means for pivoting said frame laterally toward or away from the body, means normally maintaining the frame in a position away from the body, a rigid linkage rising from the outer portion of the frame, an elongate rod supported adjacent to one end from the linkage, a ground working member carried by the rod at said end thereof, a driven means supported on the body and connected with the other end of said rod for oscillating the latter, said linkage guiding the rod in its oscillatory movement, and means for applying power to said driven means.

2,580,937
LOUVER CONSTRUCTION
Andrew B. Madson, Los Angeles, Calif.
Application June 20, 1947, Serial No. 755,952
9 Claims. (Cl. 20—63)



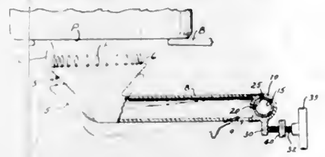
2. In a louvre construction: a member adapted to form an element of a supporting frame for the louvre boards, having a plurality of inclined spaced parallel louvre board receiving recesses as well as a rabbeted edge intersecting said recesses at points intermediate their depth.

2,580,938
POLICEMAN'S PORTABLE TRAFFIC SIGNAL DEVICE
Joseph G. Martin, Harrisburg, Pa.
Application September 15, 1950, Serial No. 185,097
5 Claims. (Cl. 177—329)



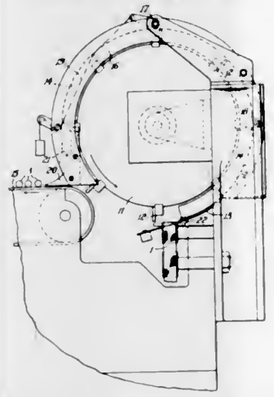
1. A portable traffic lantern comprising an upstanding casing including side walls having window openings, lenses mounted upon the side walls and covering the openings thereof, an upper substantially horizontal panel mounted within the casing below the lenses, a light bulb mounted upon said upper panel, a lower substantially horizontal panel mounted within the casing below the upper panel, a plurality of dry cell batteries detachably secured to the lower panel and electrically connected in series, circuit means connecting the batteries and light bulb and including a switch which is manually operable for lighting and extinguishing the bulb.

2,580,939
ARTICLE SUPPORT AND RELATIVELY ADJUSTABLE GAS BURNER
Joseph B. Meriam, Lakewood, Ohio
Application September 9, 1946, Serial No. 695,586
3 Claims. (Cl. 158—99)



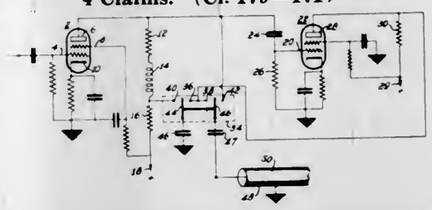
2. In a device of the character described, the combination of a support for a surface to be heated, a gas supply pipe in fixed relation to said support, a burner head and mixer element communicating therewith, said mixer element including means mounted on the pipe and adapted to permit said burner head to swing toward and away from said support, registerable valve openings in the pipe and mixer portion of said element leading into the mixer when relatively moved and acting as a valve passage, a screw operated means for swinging the burner head and mixer to move the burner head toward and away from said surface and to respectively close and open the valve supply openings.

2,580,940
LENGTH SORTING DEVICE
Desmond Walter Molins and Felix Frederic Ruau, Deptford, London, England, assignors to Molins Machine Company Limited, London, England, a British company
Application November 21, 1949, Serial No. 128,514
In Great Britain November 26, 1948
1 Claim. (Cl. 209—75)



In a continuous rod cigarette machine, the combination with a conveyor on which cigarettes are carried lengthwise in axial alignment and with the ends of successive cigarettes in predetermined spaced relation, of a member supported for movement transversely of the path of the cigarettes so as to pass through the spaces between successive cigarettes, said member having a width measured lengthwise of the cigarettes, only slightly less than the predetermined spacing between the cigarettes, means operable in timed relation with the machine for moving said member transversely of the aligned cigarettes, whereby cigarettes improperly located on said conveyor are ejected transversely, a deflector located beyond said member in the direction of conveyor movement, said deflector comprising a drum having deflector blades spaced around its periphery, each blade being adapted to deflect a cigarette laterally from said conveyor and carry it upward and around with the drum, a guide shrouding the periphery of the drum for a short distance above the deflecting position, and arcuate guides extending peripherally of the drum beyond said first guide and spaced apart by an amount slightly exceeding the minimum permissible length of a cigarette, whereby short cigarettes carried upward by the blades will fall off the blades through the space between the spaced guides.

2,580,941
POLARITY-SWITCHING OUTPUT CIRCUIT FOR WIDE-BAND VIDEO AMPLIFIERS
Howard L. Morrison, Boise, Idaho, assignor to Radio Corporation of America, a corporation of Delaware
Application February 18, 1949, Serial No. 77,082
4 Claims. (Cl. 179—171)

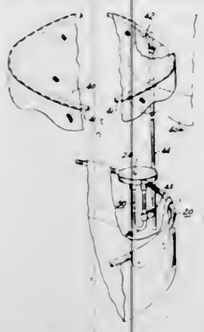


1. A polarity reversing circuit comprising a first beam power amplifier having a plate, a small resistor, a peaking inductance, and a large resistor connected in series in the plate circuit of said amplifier, a second beam power amplifier having a plate, a large resistor in the plate circuit of said second amplifier, means for connecting the output of the first amplifier to the input of the second amplifier, an output terminal, a first condenser having a low impedance to audio frequency currents, a second condenser having a low impedance to audio frequencies, said second condenser being connected to the output terminal, a two position switch connecting the second condenser to the plate of the first amplifier and the first condenser between the plate of the second amplifier and ground while in a first position, and connecting the second condenser to the plate of the second amplifier and the first condenser between the junction of said inductance and said large resistor while in a second position.

2,580,942
PORTABLE WADING POOL
B Bill Murad, Cleveland, and Evelyn Moir, Lakewood, Ohio
Application April 14, 1950, Serial No. 155,815
2 Claims. (Cl. 4—172)

1. A wading pool having a flexible waterproof container and a knock-down supporting frame, comprising a plurality of tubular top rail sections having the shape of a segment of a circle, each of the said sections having a female portion at one end thereof, a male portion at the other end thereof and a dependent socket proximate each of the said ends, the said female and male portions of adjacent sections being interfitted to form a circular frame, an aligning plate having a notched dependent flange mounted at the male portion of each section and extended beyond the said portion, the said notch being aligned with the end of said male portion and

engaged with the female portion of the adjoining interfitted section to hold the same against lateral displacement with reference to the said first section, and upright U-shaped locking means en-

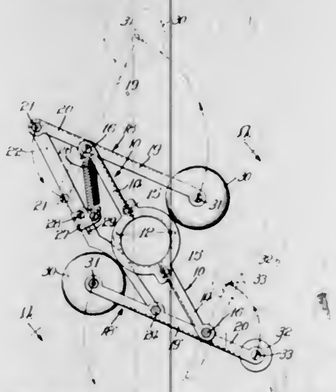


gaged with the sockets of adjacent interfitted sections to hold the same against separation and also forming supports for holding the top rail above the ground.

2,580,943
PICKLING
Yoshiko Murata, Honolulu, Territory of Hawai'
No Drawing. Application October 14, 1950, Serial No. 190,242
13 Claims. (Cl. 99—156)

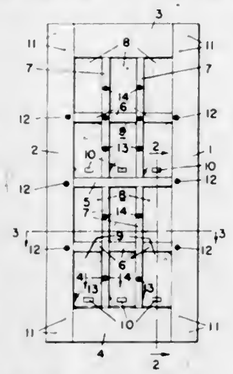
1. A process of treating daikon which comprises immersing pieces of uncomminuted daikon in the wet state in a solid residue from the acid hydrolysis of a vegetable protein, separating said residue from said daikon after an extended period of contact, and thereafter pickling said daikon.

2,580,944
KINETIC ENERGY COASTER FOR BICYCLES
Steffen P. Nemeth, Chicago, Ill.
Application May 24, 1949, Serial No. 95,119
3 Claims. (Cl. 74—572)



1. A kinetic energy device for attachment to a bicycle wheel comprising a supporting member provided with means for attaching it to the hub of the wheel and having two arms arranged to extend oppositely and radially from the hub, a pair of levers each fulcrumed to one of the arms at points diametrically opposite and equally spaced from the center of rotation of the member, the levers each comprising a long arm and a short arm extending oppositely from the fulcrum thereof, a single link pivotally connected at one end to the free end of the short arm of one of the levers and pivotally connected at its other end to the long arm of the other lever, the link serving to maintain the levers mutually parallel continuously, a pair of equal weights attached to the long arms, individually, at points remote from the fulcrums of their respective levers, a single tension spring connected with the link and biasing the weights toward the center of rotation, and a counterweight carried by the other short lever arm and counterbalancing the weight of the link and the spring.

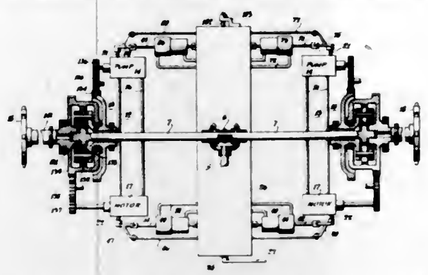
2,580,945
WINDOW WITH SLIDING PANES
Farr Nutter, Winchester, Va.
Application April 3, 1947, Serial No. 739,139
10 Claims. (Cl. 20—56.2)



9. In a window sash having opposite faces constituting display portions, a pane mounted in said sash for slidable adjustment, and clamping means for securing said pane in any predetermined vertical position comprising a vertical strip consisting of a portion of the sash and which strip is adapted to apply pressure against said pane at right angles to the face thereof and is adjustably mounted with respect to the remaining portion of the sash and with respect to said pane, said vertical strip being on the display portion of the sash and directly accessible at the face of the sash for convenient adjustment.

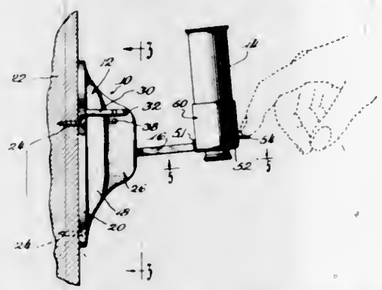
2,580,946
DRIVING MECHANISM AND CONTROL SYSTEM THEREFOR
Elias Orshansky, Jr., and Tilden W. Southack, Stamford, Conn., and Benjamin Kahn, New York, N. Y., assignors to The Acrotorque Company, Stamford, Conn., a corporation of Connecticut
Application January 4, 1947, Serial No. 720,290
18 Claims. (Cl. 74—687)

1. A control system for track type drives employing a separate transmission for each track, each transmission including variable volume hydraulic pump and motor units and a separate volume control member associated with each pump unit and each motor unit, comprising in combination a volume control mechanism connected to each pump and motor control member so as to first increase said pump volume from low to maximum and then decrease said motor volume from maximum to zero, and to control said members in reverse sequence, including a volume control shaft, a pair of crank arms loosely mounted on said shaft connected one to each pump volume control member, a second pair of crank arms loosely mounted on said shaft connected one to each motor volume control member, means for yieldingly connecting said crank



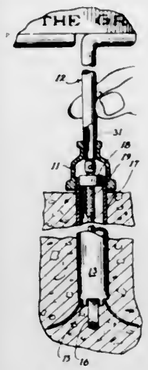
arms to said shaft and means for limiting the movements of each pair of said arms in response to rotation of said shaft, and a steering control mechanism connected to said pump control members to vary the relative volumes of said pump units.

2,580,947
TOOTH POWDER DISPENSER
Ferdinando J. Pacilio, Chicago, Ill.
Application December 23, 1946, Serial No. 717,956
1 Claim. (Cl. 248—204)



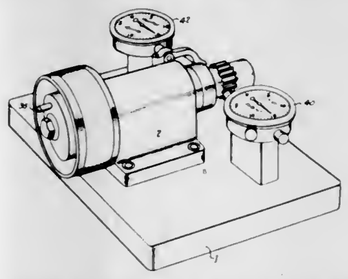
A device for dispensing tooth powder from a container, comprising a base incorporating means by which the device may be mounted upon an upright support, said base having a pair of parallel ears projecting forwardly therefrom, an L-shaped arm having a first leg thereof positioned between said ears and arranged in a nearly vertical position and having a second leg projecting outwardly from said base at the lower end of said first leg, a pivot pin passing through the upper portion of said first leg and into said ears pivotally to mount said arm to said ears, a vertically disposed cage having an opening in its lower end fixedly mounted on the outer end of said second leg and adapted removably to support a powder container, said cage being adapted to receive the dispensing end of the powder container, a spring confined between said base and said first leg below said pivot pin so as to bias said arm outwardly and upwardly, a threaded aperture extending inwardly into said base from a point between said ears and below said pivot pin, and a stop member having a threaded stem screwed into said threaded aperture, said stop member having a part engageable with said first leg to limit the upward movement of said second leg and being adjustable according to the extent said stem is screwed into said aperture to vary the distance through which said arm is moved when the device is actuated.

2,580,948
ANCHORING DEVICE FOR SIGNPOSTS
Paul C. Pancake, Huntington, W. Va.
Application November 15, 1950, Serial No. 195,877
2 Claims. (Cl. 40—125)



1. A sign post construction comprising an anchoring device including a pipe sleeve, a central rod having a threaded portion thereon, said pipe sleeve having a block fixed thereto and with a threaded opening in which the central rod threaded portion extends for adjustment, spring finger elements secured to said central rod and curved to be forced outwardly as the central rod is threaded through the block, said central rod having on its threaded end an opening through which a nail or the like can be extened to effect the adjustment of the central rod, a coupling member threaded to the upper end of the pipe sleeve, a sign part having a depending threaded post portion securable to the coupling member.

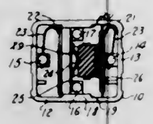
2,580,949
WORKHOLDER
John J. Parker and London T. Morawski, Detroit, Mich.
Application July 24, 1948, Serial No. 40,454
2 Claims. (Cl. 279—1)



2. A device for holding a work piece which has a hub with a spline or tooth formation and radial and substantially circumferential surfaces so that the said surfaces may be gauged comprising, a rotatably mounted first member, a rotatably mounted second member, said members being rockable relative to each other and rotatable in unison, tooth portions on the first member, tooth portions on the second member, said tooth portions overlapping each other and cooperating in pairs to form split teeth adapted to receive the spline or tooth formation of the work piece, the work piece being applicable when the two members are rocked relative to each other to

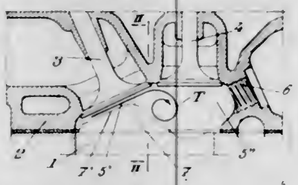
bring the cooperating pairs of tooth portions together, spring means normally holding the cooperating pairs of tooth portions separated whereby to grip the work piece, a stop for locating the work piece axially, and means for rotating the members in unison whereby said surfaces of the work piece may be gauged to indicate the condition of said surfaces relative to the spline or tooth formation on the work piece.

2,580,950
SWITCH MECHANISM
John B. Parsons, Maumee, Ohio
Application June 16, 1949, Serial No. 99,515
7 Claims. (Cl. 200—16)



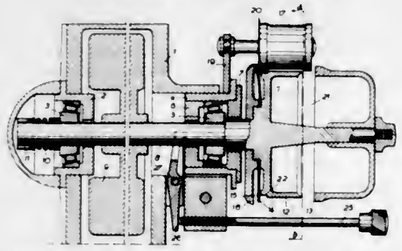
3. A switch comprising a housing, a pair of intermediate shouldered surfaces one of which constitutes a live terminal, an end terminal at each end of said housing, stop shoulders in said housing on opposite sides of each shouldered surface, a pair of electrically conductive plates loosely arranged within said housing for abutting engagement with a pair of stop shoulders respectively, electrically conductive springs connected respectively to said end terminals and tensioning said plates against their adjacent stop shoulders, a slide of electrical conductive material having upright arms arranged to engage the inner faces of said plates respectively and for movement in opposite directions to establish an electrical contact with the live terminal, an actuating block having a portion disposed between said arms, buffer means between said block and arms respectively, means including a cover for said housing for guiding said block, and handle means operatively connected to said block.

2,580,951
COMBUSTION CHAMBER FOR INTERNAL-COMBUSTION ENGINES
Raul Pateras Pescara, Cap d'Antibes, France
Application December 19, 1947, Serial No. 792,634
In France September 20, 1947
2 Claims. (Cl. 123—191)



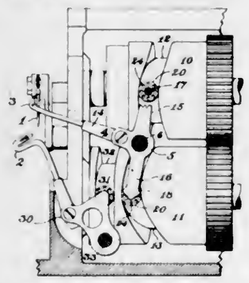
1. In an internal combustion engine, the combination of a cylinder, a piston movable in said cylinder, a cylinder head carried by said cylinder, only one inlet valve and one exhaust valve having their centers disposed at respective points of the upper wall of said cylinder head located in a common axial plane of the cylinder on opposite sides of the longitudinal axis of said cylinder, the portion of said cylinder head inner wall in which is provided the inlet valve being oblique to said longitudinal axis and the portion of said inner wall in which is provided the exhaust valve being at right angles to said axis and adjoining said first mentioned portion and the sum of the diameters of said two valves being nearly equal to the dimension of said inner wall in the plane of said centers, the portion of the piston end face located opposite said intake valve projecting toward said cylinder head and being parallel to the corresponding portion of said cylinder head inner wall at a small distance therefrom, whereas the remainder of said piston end face is concave, so as to form between said cylinder head inner wall and said piston end face a combustion chamber made of two zones, one of which, located opposite said inlet valve, is flat and the other is of relatively substantial thickness, and a spark plug carried by said cylinder head in the second mentioned zone of said combustion chamber in the axial plane of said valves, said engine being operable without detonation at a compression ratio of at least substantially 7.5.

2,580,952
SOUND FILM RECORDING OR REPRODUCING DEVICE
Juliette Soucy Pestel, Soissons, France
Application December 29, 1948, Serial No. 68,029
In France January 19, 1948
16 Claims. (Cl. 179—100.3)



1. In sound film apparatus, means for steadying the movement of film, comprising a film drum driven by the traction of the film, a fly-wheel associated with said drum and frictional means associated with said drum acting on the film passing over the drum to provide a definite connection between the film and the drum, said frictional means comprising a rigid flange against which one edge of said film bears, and a circular series of radially outwardly disposed interconnected leaf springs forming a resilient flange for frictional contact with the other edge of said film.

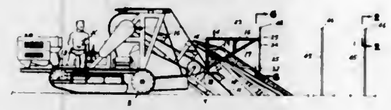
2,580,953
CAM MECHANISM
Bernard N. Pierce, Avon, Conn., assignor to The Merrow Machine Company, Hartford, Conn., a corporation of Connecticut
Application April 28, 1949, Serial No. 90,200
10 Claims. (Cl. 74—54)



1. A cam mechanism comprising a rotary member having at its periphery a radially extending

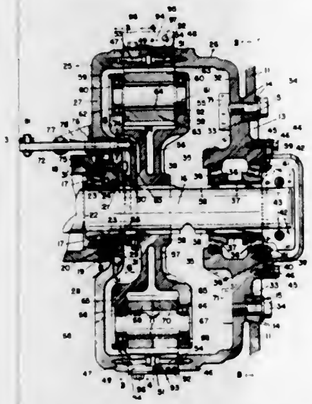
wall forming a cam surface, a motion receiving member, and a cam follower on said motion receiving member for engaging and following said cam surface to impart motion to said motion receiving member upon rotation of said rotary member, said cam follower being formed with ventilating passages extending between its ends and being so positioned that the openings of said passages at one end of said follower are adjacent a peripheral surface of said rotary member and exposed to an area of pressure differential created by rotation of said rotary member.

2,580,954
SIGHT FOR TRENCH EXCAVATORS
Daniel F. Przybylski, Winona, Minn.
Application March 28, 1949, Serial No. 83,916
1 Claim. (Cl. 33—185)



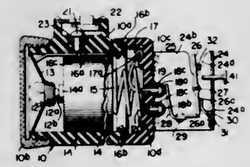
A pair of laterally spaced side frames applicable in fixed positions to the sides of the shovel carrying boom of a trench excavator, each side frame being formed of bars in right-angle triangle arrangement, one bar of the right-angle being upright and the other bar thereof extending rearwardly from the top of the upright bar, a cross-tie bar connecting the two side frames at their outer ends above the boom, a pendulum attached to the cross-tie bar at the intermediate portion for swinging movement both longitudinally and transversely of the boom, and a sight including a horizontal member above and outwardly of one of the side frames and mounted on the pendulum for adjustment both vertical and horizontal.

2,580,955
SPEED REDUCTION UNIT
Daniel F. Przybylski, Winona, Minn.
Application May 1, 1950, Serial No. 159,263
15 Claims. (Cl. 74—750)



1. In a unit of the class described, a driven axle, a wheel, clutch means fixed relative to the wheel for driving the same, a fixed gear, a driven gear journaled on the axle and secured to the wheel for turning the same, said wheel and gears being in axial alignment with the axle, a radial arm on the axle held for rotation therewith but free for axial sliding movement thereon, means for sliding the arm on the axle into interlocking engagement with the clutch means to turn the wheel directly from the driven axle at the same speed, a pinion journaled on the arm and meshing with the driven gear, said arm-sliding means being operable to slide the arm on the axle to disengage the arm from the clutch means and move the pinion into mesh with the fixed gear while remaining in mesh with the driven gear for indirectly turning the wheel from the driven axle, the teeth of the gears and the pinion being constructed and arranged to turn the wheel at a materially slower speed than that of the driven axle.

2,580,956
SIGNAL DEVICE FOR FISHERMEN
Leonard W. Reddick, Spearville, Kans.
Application November 28, 1947, Serial No. 788,540
6 Claims. (Cl. 43—17)

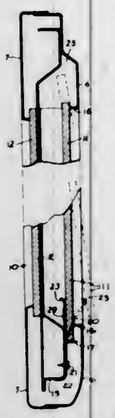


1. A switch for a fisherman's signal device operable by a fishing line and comprising a casing including a circuit containing a battery and an electrically operable signal, said switch being adapted to close said circuit to energize said signal and comprising a housing secured to said casing and including a pair of contacts in said circuit disposed within said housing, a movable arm carried on said housing, and a spring urging said arm into position to close said circuit through said contacts, said arm being restrained in open circuit position by the fishing line having a portion thereof interposed between said arm and said housing while under pressure of said spring and, upon disengagement of said fishing line from contact with said arm in response to a pull on said line by a fish, said arm being movable by said spring into position to close said circuit through said contacts to thereby energize said signal.

2,580,957
OVEN DOOR GLASS LIFTING MEANS
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application April 6, 1948, Serial No. 19,387
5 Claims. (Cl. 126—200)

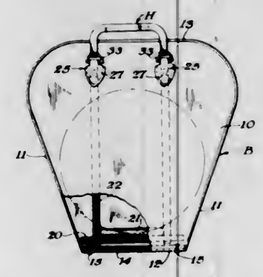
1. In an oven door having a window opening, means providing inwardly facing ledges along the sides of the window opening, abutment means extending along the lower edge of the window opening in spaced relation to said ledges, a glass panel supported on said ledges with its lower edge disposed below said abutment means, said panel being shiftable on said ledges to a position in which said lower edge is clear of said abutment means, and an elongated leaf spring supported at one end on the door and having its other end projecting into the window opening to engage said panel, said spring being operative when the panel is shifted clear of said abutment means to tilt it into a position in which it may be conveniently grasped for removal from the door, said spring being operable when said panel

is in its normal position to hold it in firm engagement with said abutment means to prevent vi-



bration or rattling when the door is opened or closed.

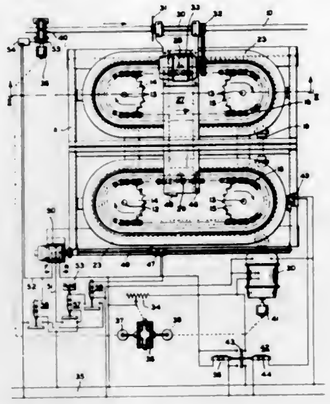
2,580,958
BAG FOR BOWLING BALLS
Lloyd A. Robinson, Akron, Ohio
Application February 5, 1948, Serial No. 6,429
3 Claims. (Cl. 224—45)



1. A bag comprising an enclosure for retaining articles in the bag formed of flexible material, flexible suspension straps disposed within said enclosure, an article supporting platform supported by said straps and disposed adjacent to but spaced from the bottom of said enclosure, and handle attachment means external of said enclosure disposed adjacent upper portions of said straps, said enclosure being disposed between said straps and handle attachment means and fastened thereto whereby said enclosure is relieved of the weight of an article within the bag and resting on said platform.

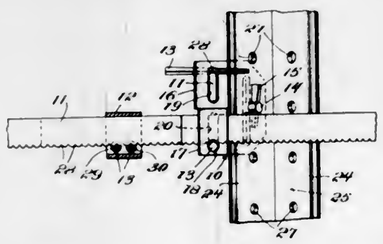
2,580,959
FLYING SAW
Irwin Ropp, New Bedford, Pa., and Wilbert S. Blackstone, Youngstown, Ohio
Application July 19, 1947, Serial No. 762,050
17 Claims. (Cl. 29—69)

1. In apparatus for severing predetermined lengths from continuous stock advancing in a longitudinal direction along a predetermined path comprising in combination a cut-off device, a carrier for said device extending in a lateral direction with respect to the direction of movement of the stock, means supporting said carrier for sliding movement in a fixed plane disposed in inclined relation to the longitudinal axis of said stock in such manner as to cause said device to move into said stock during a portion of its traverse, means to move said carrier about a gyratory path in said plane whereby the angular-



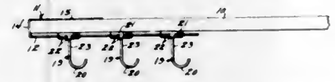
ity of said carrier with respect to the said direction remains fixed, said last mentioned path including a rectilinear reach extending principally in a direction parallel with the direction of advancement of said stock during the traverse of which said device is operative to sever said stock.

2,580,960
ANGLE POST TIE BAR
Takeo Sato, Honolulu, Territory of Hawaii
Application August 10, 1948, Serial No. 43,523
1 Claim. (Cl. 189—31.5)



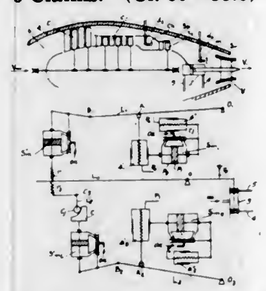
In a connector for shoring, the combination which comprises angle posts having outwardly extended legs with rows of spaced openings therein, a plate positioned against the side surface of an outwardly extended leg of the posts, said plate having a vertically disposed elongated opening in the inner end registering with one of said spaced openings, means positioned in the registering opening securing said plate to said leg, and said plate having diagonally disposed flanges on the outer ends with the flanges divided midway of the width of the plate and with one of said flanges diagonally positioned in relation to the plate and extended inwardly from the outer end thereof on one side of the plate and other of said flanges extended diagonally inwardly on the opposite side of the plate, said flanges having pin receiving openings therethrough, and said plate having elongated openings therethrough and bars disposed in said openings, said elongated openings and said pin receiving openings in the flanges having pins disposed therein locking said bars in the elongated openings.

2,580,961
SHELF TOOTHBRUSH HOLDER
Francis A. Schmedinghoff, San Francisco, Calif.
Application August 3, 1950, Serial No. 177,482
4 Claims. (Cl. 211—86)



1. In a supporting rack, a body member having means adapted to be detachably connected to a shelf, the bottom of said body member being provided with a plurality of spaced slots, and a hook member having a disc on its upper end connected to the body member and projecting through each of said slots.

2,580,962
CONTROL MEANS FOR THE NOZZLE OUTLET AREA OF JET ENGINES
Marcel Henri Louis Sédille, Paris, France, assignor to Societe Rateau (Societe Anonyme), Paris, France, a company of France, and René Anxionnaz, Paris, France
Application May 9, 1946, Serial No. 668,569
In France June 13, 1945
6 Claims. (Cl. 60—35.6)



1. In a jet propulsion unit: an air compressor, at least one combustion chamber fed with air under pressure from said compressor, a gas turbine fed with hot gases from said combustion chamber and adapted to drive the compressor, a jet forming nozzle receiving exhaust gases from said turbine, throttling means associated with said nozzle for varying the cross-section area of said nozzle, detecting means responsive to the pressure P_o on the suction side of said compressor, detecting means responsive to the pressure P_f in said combustion chamber, detecting means responsive to the pressure P_e before the intake of said nozzle, and means for operating said throttling means in response to said detecting means in such a manner that the ratio

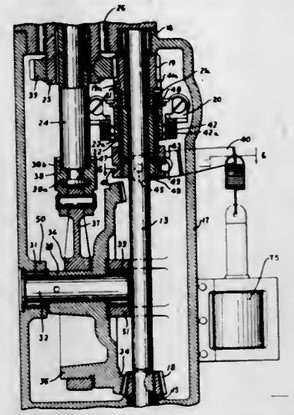
$$\frac{P_e}{P_o}$$

is a determined function of the ratio

$$\frac{P_f}{P_o}$$

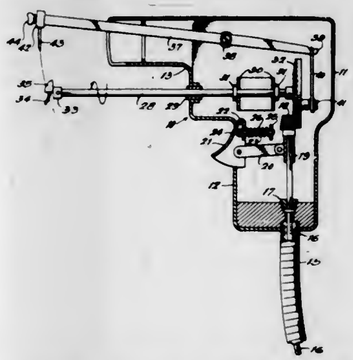
2,580,963
MECHANICAL MOVEMENT
Kenneth O. Sisson, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 31, 1950, Serial No. 141,456
14 Claims. (Cl. 74—44)

1. In combination: a motor having a motor shaft; a driven shaft in axial alignment with and driven by said motor shaft; a first bevel gear secured to and surrounding said driven shaft; a first spur gear relatively rotatable on and surrounding said driven shaft; a brake; a double acting clutch selectively connecting said spur gear to said brake and driven shaft respectively;



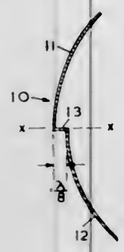
two coaxial shafts in parallel relationship with said driven shaft; a second bevel gear and an eccentric operably connected respectively to said first bevel gear and to one of said coaxial shafts; and a second spur gear operably connected to the other of said coaxial shafts and to said first spur gear.

2,580,964
SURGICAL SUTURING DEVICE
Maja L. Skaller, Blytheville, Ark.
Application January 23, 1948, Serial No. 3,862
4 Claims. (Cl. 112—169)



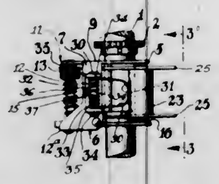
1. A surgical suturing device comprising a housing, a flexible drive shaft entering the housing and provided with a pinion at its inner end, a rotary looper shaft entering the housing and provided with a looper at its outer end and a gear at its inner end, a control trigger mechanism entering the housing for engaging and disengaging the pinion and gear for controlling rotation of the gear and looper shaft, a needle arm substantially parallel to the rotary looper shaft and entering the housing and pivoted for oscillatory movement toward and away from the looper shaft and provided with means at its outer end for supporting a needle, and a connection between the gear and the inner end of the needle arm for oscillating the latter in timed relation to the rotation of the looper shaft.

2,580,965
AERIAL SYSTEM
Charles Holt Smith, Great Malvern, Henry G. Booker, Cambridge, and Philip Mayne Woodward, Great Malvern, England
Application July 31, 1947, Serial No. 765,208
In Great Britain September 18, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 18, 1965
9 Claims. (Cl. 250—33.65)



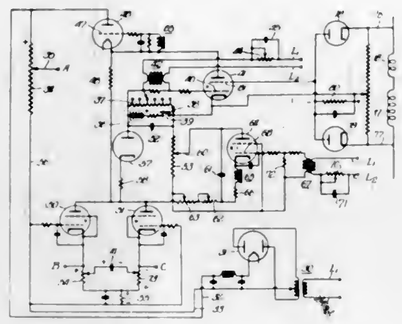
1. An antenna system comprising an antenna element, a concave reflector facing said element, means for interchanging energy to said reflector on a predetermined sharply defined wavelength, said reflector having first and second curved metallic sheets the concave side of one of which extends behind the convex side of the other sheet, and a shelf of a depth substantially one-eighth of said wavelength intersecting said sheets and substantially perpendicular to them along the lines of the intersections.

2,580,966
REEL HOLDER BRACKET AND REEL FOR EMBROIDERY MACHINES
Jack Snarck, Washington Heights, and Henry Laster, Bronx, N. Y.
Application February 15, 1945, Serial No. 578,094
8 Claims. (Cl. 112—98)



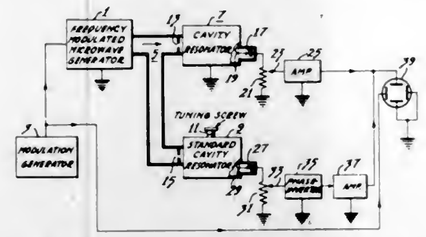
1. A reel holding bracket and reel for embroidery machines comprising a base member, a bracket arm extending outwardly from the base member in rigid relation to one edge thereof and projecting beyond the base, a second bracket arm extending outwardly from the base member in rigid relation to an opposed edge thereof, said second bracket arm being parallel with the first arm and terminating within the base, a third bracket arm having a pivotal connection with said base adjacent one end thereof, the opposite end of said third arm being movable into transverse alignment with the end of said first arm, aligned stub pivots on corresponding ends of said first and third arms, sockets in said reel engageable with said pivots, and spring means supported by said rigid arms and operatively engageable with said pivoted arm for normally holding same in parallel relation with the first arm while exerting pressure on the walls of said reel sockets.

2,580,967
ELECTRONIC TIMING CIRCUIT
Julius L. Solomon, Chicago, Ill., assignor to Welding Research, Inc., Chicago, Ill., a corporation of Illinois
Original application June 22, 1948, Serial No. 34,538. Divided and this application October 29, 1948, Serial No. 57,314
3 Claims. (Cl. 250—27)



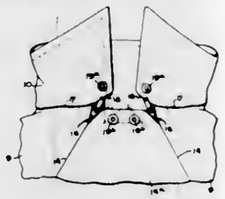
1. In a timing and control device of the character described for controlling the potential between a first terminal and second terminals respectively, the combination with a source of direct current of a potentiometer connected across said direct current source and having said first terminal adjustably connected thereto, a control circuit also connected across said direct current source including a normally conductive valve and a current limiting resistor in series with a parallel circuit comprising a pair of electric valves in parallel relation and adapted to be alternately conductive, said valves being of the gas filled type and each having an anode, a cathode and a grid, a resistor in the cathode circuit of each valve, a common resistor in the cathode-grid circuits of said valves, a capacitor joining the cathode circuits and having adjustable connection with the resistor in each cathode circuit, said capacitor and resistors permitting conductivity of only one valve at a time to pass current in said control circuit since the charging of the capacitor by said current flow together with the voltage drop across the resistors applies a negative potential to the grid of both valves thus maintaining the non-conductive valve in a non-conductive state, and said capacitor and resistors effecting a switch in the conductivity of the valves when the flow of current in the control circuit is momentarily interrupted since the discharging of the capacitor together with the voltage drop across the resistors due to said flow of discharging current applies a negative potential to the grid of the valve that was conducting and a positive potential to the grid of the valve that was nonconductive, said second terminals having electrical connection respectively with the cathode circuits at a point between the cathode and the resistor in each circuit, an auxiliary circuit in shunt relation with the current limiting resistor for bypassing the said resistor to increase current flow through the conductive valve of said pair of valves, said auxiliary circuit including a start valve and a stop valve, and said stop valve when rendered conductive momentarily rendering the normally conductive valve nonconductive to interrupt current flow in said control circuit.

2,580,968
METHOD OF AND MEANS FOR MEASURING MICROWAVE FREQUENCIES
Robert L. Sproull, Penns Neck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 28, 1945, Serial No. 631,435
11 Claims. (Cl. 175—183)



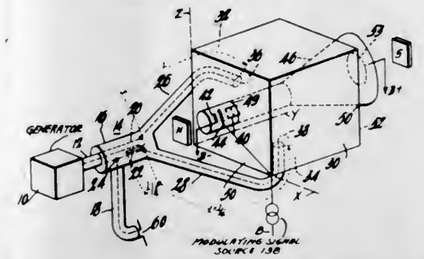
10. A system for comparing the resonant frequencies of a pair of resonant cavities comprising, a microwave oscillator, a modulating signal source coupled to said oscillator repeatedly to vary the frequency thereof over a range including said resonant frequencies, coupling means continuously applying the output of said oscillator to both cavities of said pair, detector means for continuously rectifying the outputs of said cavities, means for equalizing said detected signals, an oscilloscope having two beam-deflection systems, means for continuously combining the rectified equalized outputs of said cavities in opposition to produce a resultant signal whose instantaneous amplitude varies with the oscillator frequency as a function of the difference between the resonant frequencies of said cavities, means for applying said resultant signal to one of said beam-deflection systems, and means for applying the modulating signal to the other of said beam-deflection systems.

2,580,969
CLOSURE MEANS FOR CHILD'S GARMENT
Verne L. Stephenson, Goshen, Ind.
Application October 21, 1947, Serial No. 781,065
1 Claim. (Cl. 2—80)



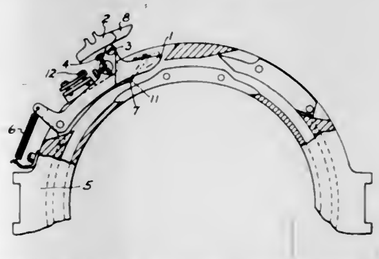
In a child's garment comprising a trouser section, a waist section with arm portions attached thereto, said waist section having an upper front opening panel the side edges of which are defined by a pair of slits extending upwardly and inwardly from the armpits and terminating in laterally spaced relation at the upper end of the waist section, means for detachably connecting the edge portions of said slits, and a collar defining a neck opening attached to said waist section rearwardly of said slits, said collar having flaps meeting in close relation forwardly of the neck opening and disposed in overlying relation to the upper ends of the slits, and fastening devices for disengageably securing the upper portions of the flaps to the upper edge of the front panel.

2,580,970
MODULATION OF HIGH-FREQUENCY ENERGY
John J. Stickler, Ithaca, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 10, 1949, Serial No. 115,051
11 Claims. (Cl. 250—17)



1. A circuit comprising first and second pairs of transmission lines, a network therebetween coupling at the center operating frequency the first of said first pair of lines to said second pair of lines in phase opposition at the points of connection of said second pair to said network and coupling the second of said first pair of lines to said second pair of lines in phase at said points, a resonator system having two independent resonant modes of oscillation at said frequency, each of said second pair of lines being coupled to said resonator system means coupled to said resonator system to effect respectively said modes to change equally the impedance as presented to each of said second pair of lines by said resonator system, each line of said second pair being coupled to affect respectively one and not to affect the other of said modes and one of said second pair of lines being a quarter wavelength longer from its said point of network connection to its effective point of coupling to said resonator system than the other, whereby energy applied to the circuit through one line of said first pair is transmitted to said second line of said first pair in an amount depending on the changes in said impedances presented to said lines.

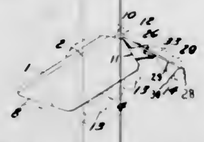
2,580,971
SINKER CAP
Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application March 28, 1950, Serial No. 152,413
1 Claim. (Cl. 66—108)



A sinker cap for a circular, independent needle, knitting machine having sinkers which includes a pivoted casting off cam, adjustable means on said cam which cooperates with said cap to limit the inward movement of said cam with respect to said cap and adjustable means on said cap which cooperates with said cam to limit the

outward movement of said cam with respect to said cap, the two positions of said cam thus determined being two positions at which said cam can operate upon sinkers.

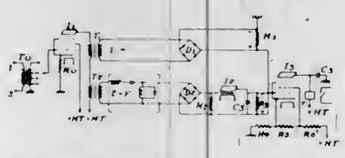
2,580,972
BOBBY PIN PLACEMENT
Allison G. Suckley, Wauseon, Ohio
Application July 5, 1949, Serial No. 102,972
2 Claims. (Cl. 132—1)



1. A bobby pin placement tool comprising a hand grasp section having a pair of walls extending to an open side forming a way extending to a discharge end, a diaphragm between the walls and extending toward the way and coacting with the way to direct as thrust along the way a linear series of bobby pins located astride the diaphragm and for the pins to move in parallel along the way toward the discharge end, there extending from the diaphragm beyond the discharge end of the section, a pin point spreading cam, and a guide face carried by and extending from the diaphragm past the cam in positioning a pin for spreading during shifting of the pin along the cam for delivery of the spread pin therefrom by the directed hand grasp section directly into hair.

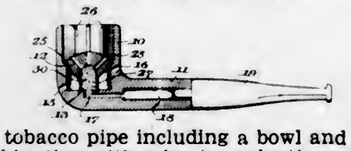
2. A bobby pin carrier card having along one edge a bobby pin point limiting ledge for positioning the pins to ride astride the card in parallel inclined relation during lateral shifting of said pins, said card having a guide edge portion in obtuse angle extension continuity of said edge there being adjacent said guide portion remote from said edge a pin-point spreading slide way directly approximately parallel to the guide edge portion and over which slide way successive pins are longitudinally shiftable, said guide edge portion in the direction of the pin longitudinal shifting therealong having a spread release way portion for the pin.

2,580,973
PULSE SIGNALING MEANS
René Sueur, Paris, France
Application August 7, 1947, Serial No. 767,185
In France April 14, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 14, 1965
5 Claims. (Cl. 179—1)



1. In a system for transmitting a predetermined desired signal frequency substantially to the exclusion of disturbing frequencies, a common input channel, a transmission channel, means for coupling said transmission channel to said input channel for transmitting both said signal frequency and said disturbing frequencies, a blocking channel, means coupling said blocking channel to said input channel, a signal transfer device adapted to be controlled by a potential applied thereto, means coupling said transfer device to said transmission channel and to said blocking channel, filter means in said blocking channel for rejecting said desired signal frequency and for passing said disturbing frequencies, and means including a time constant circuit in said blocking channel for producing a potential from said disturbing frequencies and for applying such potential to said transfer device to render it incapable of transferring said distributing frequencies from said transmission channel.

2,580,974
SMOKING PIPE
Roser B. Sutter, Moscow, Pa.
Application July 16, 1945, Serial No. 605,356
4 Claims. (Cl. 131—194)



1. A tobacco pipe including a bowl and a stem, in combination with a heat-conductive separator dividing the bowl into an outer tobacco-holding space and an inner cooling portion, the separator having a hollow extension for leading the smoke to the stem, the said cooling portion providing a chamber around the extension, the bowl having air inlet and outlet openings to said chamber, and heat-conductive partitions on said separator and located in the tobacco space to divide the same into compartments, the separator having flue openings from the hollow in said extension to the outer surface of the separator with a flue opening into each of said compartments, said partitions closely conforming to the wall of the tobacco space and extending radially toward and terminating short of the bowl axis.

2,580,975
AUXILIARY SPRING SUSPENSION
Clark A. Tea, Detroit, Mich.
Application August 6, 1948, Serial No. 42,951
1 Claim. (Cl. 267—45)

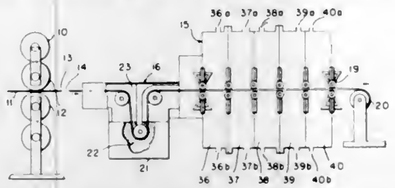


An auxiliary spring for the spring suspension of an automobile comprising, a leaf spring having tapered end portions, a U-shaped bracket having its base secured to the spring adjacent each of its ends, a bolt slidably carried by each said bracket, and a resilient member supported by each said bolt and resting upon the upper surface of said leaf spring; one of said brackets having a spacer between its outer free ends spaced from said resilient member.

2,580,976
APPARATUS FOR PLATING METAL STRIPS
Harry A. Toulmin, Jr., Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Original application September 7, 1949, Serial No. 114,320. Divided and this application July 29, 1950, Serial No. 176,707
2 Claims. (Cl. 91—12.2)

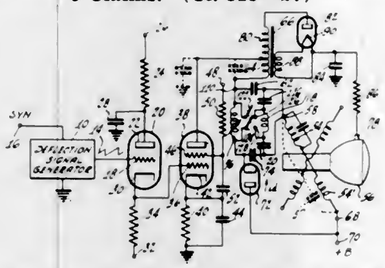
1. Apparatus for plating a metal strip comprising a housing having inlet and outlet means

for said metal strip, means for fluid-sealing said inlet and outlet means, substantially vertical partitions in said housing dividing said housing into separate chambers, means for conveying said strip through said housing, inlet means for circulating gas in a first chamber, conduit means connecting alternate chambers with said first chamber forming a first series of chambers, outlet means for the gas circulated in said first series, inlet means for conducting volatile metal compounds into the second chamber, conduit means connecting an alternate chamber with



said second chamber forming a second series of chambers, outlet means for the metal compounds conducted in said second series, electrical contact means for conducting electric current to said moving sheet and impressing an electric potential on said sheet to increase the temperature thereof in one of the chambers of said first series for producing annealing temperatures in said strip and electrical shunt means for reducing the amount of current passing through said sheet in said second series and thereby reducing the temperature of said sheet following annealing.

2,580,977
DEFLECTION SYSTEM
Simeon I. Tourshou, Philadelphia, Pa., and Robert G. Wolcott, Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 22, 1950, Serial No. 169,655
9 Claims. (Cl. 315—27)



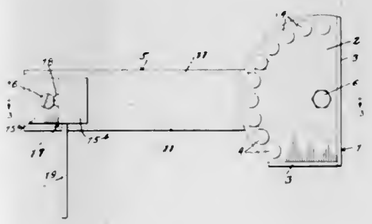
1. In an electromagnetic cathode ray deflection system in combination, output terminals across which is developed a deflection wave form, an electromagnetic deflection yoke, a first capacitor connected in series with said deflection yoke to form a combination, connections placing said capacitor and yoke combination in shunt with said output terminals, a first inductance and second capacitor connected in series to form a combination, connections placing said inductance capacitor series combination in shunt with a portion of said yoke capacitor combination and embracing said first capacitor, a damping device connected in shunt with said yoke capacitor combination through at least a portion of said inductance, a third and fourth capacitor adapted for conditional shunt connection across said first and second capacitors respectively, a second inductance adapted for conditional shunt connection with said first inductance, and switching means for concomitantly establishing said third and fourth capacitors in respective shunt connection with said first and second capacitors, and said second inductance in shunt with said first inductor.

2,580,978
CEILING-SUSPENDED STAIR
Benjamin J. Triller, Dubuque, Iowa, assignor to Farley & Loetscher Manufacturing Company, Dubuque, Iowa, a corporation of Iowa
Application November 19, 1948, Serial No. 60,892
3 Claims. (Cl. 228—50)



1. A ceiling-suspended stair comprising, in combination, a pair of spaced parallel side rails, stair treads supported between said side rails, an elongated handrail, means including a plurality of brackets mounted on one of said side rails supporting said handrail for endwise movement between an operative position in which its upper end projects beyond the corresponding end of said one side rail and a retracted position in which its upper end is substantially flush with that end of the side rail, and latch means for releasably retaining said handrail in operative position.

2,580,979
QUICK-SET WHEEL GUARD
Jesse William Voll, Springfield, Mo.
Application March 23, 1950, Serial No. 151,381
2 Claims. (Cl. 51—272)



1. In a device of the class described, the combination of a primary bracket, said bracket including a base provided with a plurality of outwardly extending cups, a swinging arm attached to said bracket, said arm provided with a spring-holding casing, a coil spring in said casing, a ball under said spring and being adapted to seat in any one of said cups, and said arm provided with shield-carrying means.

2,580,980
CEILING-SUSPENDED ELEVATABLE TABLE
Herschel C. Vrooman, Denver, Colo.
Application April 21, 1950, Serial No. 157,367
2 Claims. (Cl. 311—17)



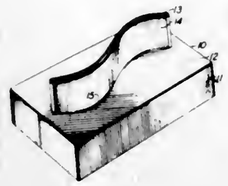
1. In a ceiling suspended elevatable table, a vertical suspension tube adapted to be secured to depend from a ceiling, a plurality of slidably telescoped tube sections including an outer tube section slidably telescoped in the suspension tube, means precluding downward separation of the outer tube section from said suspension tube and downward separation of the other tube sections from each other in the depressed operative position thereof, said plurality of tube sections comprising an innermost tube section arranged to occupy the lowermost position in the depressed operative position of the tube sections, said innermost section being axially rotatable relative to the suspension tube, said suspension tube being formed with a bayonet slot having a vertical arm opening through the lower edge of said suspension tube and a horizontal arm and a table plate mounting member on the lower part of said innermost tube section for mounting a table plate thereon, said mounting member having a pin projecting laterally outwardly therefrom with respect to the vertical axis of the innermost tube section, said pin being insertable through the vertical arm of the bayonet slot as the tube sections are elevated to a stowed position of the table and supportably engageable with the horizontal arm of the bayonet slot by rotating the innermost tube section relative to the suspension tube in one direction.

2,580,981
MANICURE BOWL
Georgia D. Webster, Atlanta, Ga.
Application April 28, 1949, Serial No. 90,210
5 Claims. (Cl. 132—73)



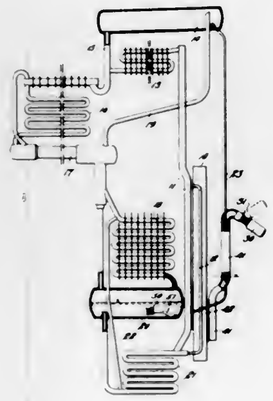
2. A manicuring device comprising a bowl having a bottom wall and an upward and inwardly inclined substantially semi-circular side wall, a substantially semi-circular row of bristles carried by said side wall extending downwardly and inwardly of said bowl, and means in said bowl and spaced from the bristle ends for guidingly retaining the fingernails of the user in contact with the bristles.

2,580,982
TISSUE SHEET DISPENSER
Alexander C. H. Weiss, Silver Spring, Md.
Application February 7, 1949, Serial No. 75,050
3 Claims. (Cl. 312—50)



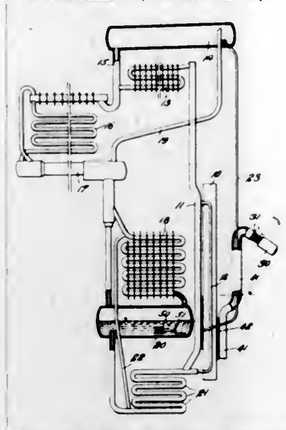
1. A dispenser for flexible sheet material comprising a container including an upper wall provided with a passage having transversely parallel and identical sides, said sides extending generally perpendicularly from said wall, for holding a dispensable sheet perpendicular with respect to said wall, said passage and its walls having serpentine curves between their transverse extremities for holding said sheets in a corrugated position during dispensing.

2,580,983
CORROSION INHIBITORS IN ABSORPTION REFRIGERATION SYSTEM
Nils Erik Widell, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application February 8, 1946, Serial No. 646,394
In Sweden January 22, 1945
15 Claims. (Cl. 62—179)



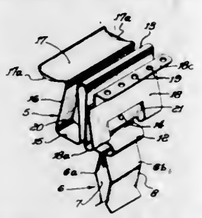
1. In the art of refrigeration employing an hermetically sealed absorption refrigerating system formed of ferrous metal and having an absorption solution circuit in which aqueous ammonia solution is circulated through and between a place at which ammonia is expelled from solution and a place at which ammonia is absorbed into solution, the improvement which comprises maintaining in the solution a supply of solid lead chromate, and providing in the solution an alkali nitrite.

2,580,984
CORROSION INHIBITOR IN ABSORPTION REFRIGERATION SYSTEM
Nils Erik Widell, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Original application February 8, 1946, Serial No. 646,394. Divided and this application May 12, 1951, Serial No. 225,934. In Sweden January 22, 1945
2 Claims. (Cl. 62—179)



1. In the art of refrigeration employing an absorption refrigeration system formed of ferrous metal and utilizing ammonia as refrigerant and water as an absorbent, that improvement which comprises maintaining in the aqueous ammonia solution a supply of solid strontium chromate.

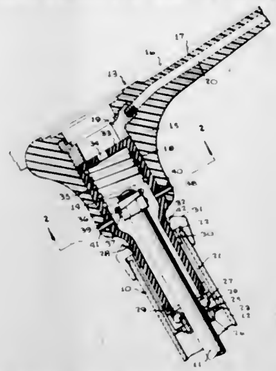
2,580,985
DETACHABLE CARRYING DEVICE
Charles K. Wooden, Burbank, Calif.
Application July 15, 1947, Serial No. 761,096
3 Claims. (Cl. 224—29)



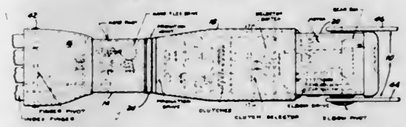
2. In a carrying device for small articles: means forming a pair of elongated resilient members having respectively, oppositely bowed lower gripping portions; carrying means comprising a downwardly opening bifurcated wall accommodating the upper portions of said members; and attachment means securing said portions in said wall; said members being maintained against angular movement about said attachment means by engagement with the upper end portion of said wall.

2,580,986
FLEXIBLE STEERING WHEEL MOUNTING
Jackson S. Yohn, Pottstown, Pa.
Application August 17, 1951, Serial No. 242,388
5 Claims. (Cl. 74—552)

1. In combination with a steering column including a steering shaft and a fixed tubular housing circumspatially receiving said shaft, and a steering wheel disposed adjacent one end of said steering column and having a hollow hub, a sleeve of elastic material having one end received in said housing at said one end of the steering column and its other end received in said hub and secured therein, bearing means interposed between said sleeve and said housing, means connected between said sleeve and said housing restraining said sleeve against movement longitudinally of said housing, a spring received in the portion of said sleeve received in said hub and secured to said sleeve, and means connecting said spring at one end to the adjacent end of said steering shaft.



2,580,987
ELECTRICALLY OPERATED ARTIFICIAL ARM FOR ABOVE-THE-ELBOW AMPUTEES
Samuel W. Alderson, New York, N. Y.
Application July 10, 1948, Serial No. 38,018
15 Claims. (Cl. 3—12)



10. An electrically powered artificial arm for amputees comprising an upper arm section for receiving the stump of an amputated arm, a forearm section hingedly secured at one extremity to the said upper arm section, a wrist section pivotally secured at one extremity to the other extremity of the said forearm section, and a hand section hingedly secured to the other extremity of the said wrist section; an electric motor upon one of the said arm sections; a plurality of driving connections from the said motor, one connection to each of the said sections; the said connections being operative respectively to effect flexion of the said forearm section, pronation of the said wrist section, and flexion of the said hand section; a clutch selectively operable to engage each of the said connections with the said motor; electromagnetic means for operating the said clutch; and a source of electrical energy for actuating the said motor.

2,580,988
ELECTRON DISCHARGE DEVICE
Homer G. Anderson, Newtonville, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 15, 1948, Serial No. 21,122
12 Claims. (Cl. 313—331)

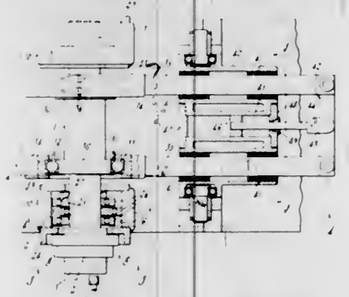
1. An electron discharge device comprising: an envelope containing a cathode and an anode ad-

jacent thereto; a perforate shield member attached to one end of said cathode and disposed intermediate said one end of said cathode and said envelope; an imperforate shield member



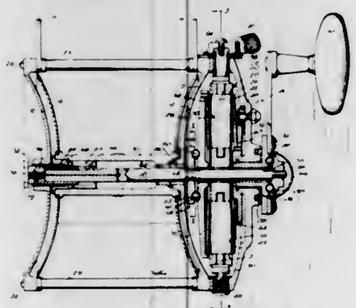
spaced from said perforate member on the opposite side thereof from said cathode; and means securing each of said shield members to a common lead-in support.

2,580,989
GRINDING LOBED FORMS
Merton H. Arms, Springfield, Vt., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application April 5, 1949, Serial No. 85,547
7 Claims. (Cl. 51—95)



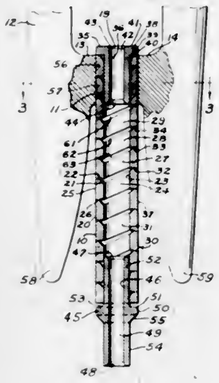
1. A machine of the class described, comprising a work holder, means supporting said work holder for motion in a plane, means limiting the motion of said work holder comprising an internal cam having an arcuate portion and a straight portion joining the ends of said arcuate portion, means including a multiple-point support movable with said work holder for engagement with the cam face of said cam, means moving said support in one direction around said cam contour with at least two of said supporting points in engagement with said cam at all times, and a tool positioned to engage a work piece carried by said holder while said holder is being so moved.

2,580,990
FISHING REEL
Bryant Bannister, Pittsburgh, Pa.
Application September 13, 1945, Serial No. 616,021
9 Claims. (Cl. 242—84.5)



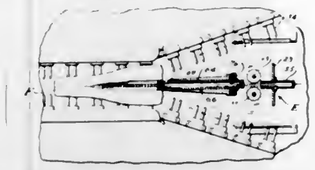
1. In a fishing reel, a frame, a shaft rotatably mounted in the frame, a spool mounted for rotation with the shaft, a crank, and variable speed driving means operatively connecting the crank and the shaft comprising a carrier having a roller mounted therein, said variable speed driving means having provision for and being capable of effecting rotation of the spool at maximum and minimum speeds with relation to the crank speed and also through a substantial number of intermediate speeds between said maximum and minimum spool speeds, a connection between said crank and said roller for rotating the same, a spring disc operatively connected to the shaft and in tangential engagement with said roller to effect rotation of the shaft, and means for varying the point of tangential engagement of said disc with relation to the roller through flexing of said spring disc whereby to change the turn ratio between the crank and the shaft.

2,580,991
GUIDE TUBE
Leon Barrett, Philadelphia, Pa., assignor to Quick-Change Carriers, Inc., a corporation of Pennsylvania
Application April 2, 1949, Serial No. 85,169
15 Claims. (Cl. 66—126)



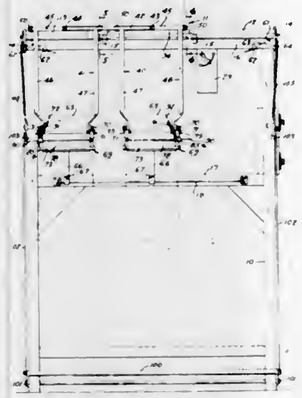
1. A flexible guide tube comprising a substantially flat ribbon having substantially parallel longitudinal edges, a guide face and an outer face, said ribbon being formed into a helix having a plurality of convolutions with said guide face defining an inner channel; a chamfered edge between said guide face and one of said longitudinal edges; the longitudinal contour of said inner channel consisting of a series comprising a guide face portion extending substantially to one longitudinal edge portion, a chamfered edge on the next succeeding convolution, substantially adjacent said last-mentioned longitudinal edge portion but spaced from said guide face portion, and the next succeeding guide face portion substantially extending from said chamfered edge portion substantially to the next succeeding longitudinal edge portion of said last-mentioned convolution; an inlet conduit disposed at an inlet portion of said helix; and an outlet conduit disposed at an outlet portion of said helix; said inlet conduit comprising a shoulder adapted to cover at least a portion of the inlet terminus of said ribbon; and said outlet conduit comprising a shoulder adapted to cover at least a portion of the outlet terminus of said ribbon, and also comprising a channel extending from the interior of said helix to an outlet port substantially beyond the outlet terminus of said helix; the external diameter of said outlet conduit adjacent said outlet port being less than the external diameter of said helix; and said inlet and outlet tubes being in a spaced relation to each other.

2,580,992
BONE EXTRACTOR
Galen A. Biery, Bellingham, Wash., assignor, by mesne assignments, to Pacific Laboratories, Inc., Bellingham, Wash., a corporation of Washington
Application June 7, 1949, Serial No. 97,619
6 Claims. (Cl. 17—3)



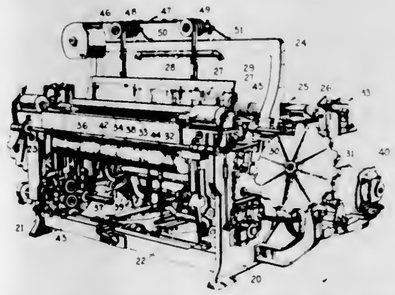
1. In apparatus of the character described, a frame, a tubular backbone removing implement mounted on said frame extending longitudinally thereof, said implement having a forward backbone receiving end and a rearward backbone discharging end, means for successively conveying fish along said frame and delivering their backbones longitudinally into the forward end of said implement to pass therethrough, a backbone extractor mounted on said frame having teeth positioned to grip the end of the backbone as it leaves said discharging end, and means to move said teeth away from said discharging end to pull the backbone through and from said tubular implement.

2,580,993
WEIGHING MACHINE
Robert B. Brown, San Francisco, Calif., assignor to T. R. Mantes, doing business as T. R. Mantes Co., San Francisco, Calif.
Application October 20, 1948, Serial No. 55,617
9 Claims. (Cl. 249—56)



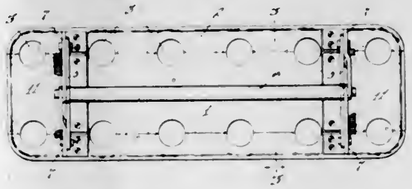
1. A machine for filling and weighing a container supported by one of two carriages while simultaneously a filled container supported by the other carriage is being replaced by an empty container and in which said carriages may then be shifted so that the first-named container can be replaced with an empty container while the empty container just placed on the other carriage is being filled and weighed, comprising: a main frame; a balance supported by said frame; a central carriage track, secured to said balance and swingable therewith and adapted to support a carriage in weighing position; two fixed carriage tracks secured to said main frame collinearly on either side of said central track; a pair of container-supporting carriages movable along said tracks, joined pivotally in tandem so that at one time only one rests on said central track; and a clamp on each said carriage for holding a container.

2,580,994
MECHANISM FOR WEAVING
Walter J. Budzyna, East Douglas, Mass., and Maurice R. Flamand, Central Falls, R. I., assignors to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application August 26, 1949, Serial No. 112,570
8 Claims. (Cl. 139—79)



8. In a loom adapted for weaving by inserting cut lengths of filling by filling carriers which take filling from a relatively stationary source of supply, transfer that filling from one carrier to another at a point intermediate the shed in which the pick is inserted and then extend the free end of that cut length through the remainder of the shed, the method of locking said picks of filling within their respective sheds formed by warp threads which comprises the steps of closing each shed upon its pick of filling substantially at the time at which the carrier which extends the free end of filling reaches the point at which it is withdrawn from the shed, but maintaining the warp threads clear of the filling until the carrier is moved substantially to that point, and releasing the said cut or free end of the filling after the pick has been gripped by the warp threads, but after the carrier has been withdrawn from the shed and while the filling is under tension.

2,580,995
BOTTLE CARRIER
Clyde G. Butler, deceased, late of Madeira, Ohio, by Della Fay Butler, administratrix, Madeira, Ohio, assignor to Philip J. Schneider, Cincinnati, Ohio, as trustee
Application November 4, 1948, Serial No. 58,188
1 Claim. (Cl. 294—87.24)



A bottle carrier, comprising a plurality of jaws of longitudinal platen form providing a pair of outer jaws, one respectively at each of

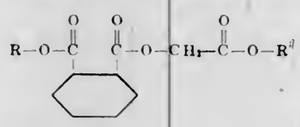
the opposite sides of an intermediate jaw common to both of said outer jaws, a pair of brackets extending perpendicular from the upper side of said intermediate jaw joined by hand hold rod intermediate of the height of the brackets and longitudinally centrally of the intermediate jaw, a pair of of levers respectively for each outer jaw each pivotally mounted upon a relative bracket of the intermediate jaw with the free ends of the levers of both outer jaws extended inwardly for a conjoint connection with a second hand hold rod and a second hand hold rod in parallelism with said bracket connecting hand hold rod, guidingly traversing an elongated perpendicular aperture, in each of said brackets and in slidable coupling connection with free ends of said levers for unitary actuation thereof, whereupon by a single hand grasp upon both handles and compressive force thereof, the levers are actuated to simultaneously swing the outer jaws to an open position from the intermediate jaw for the reception or release of the bottles, and to obtain a clamping hold on bottles when the compressive force is released and adapting the jaws to be sustained in their closed position by a suspending hand hold upon said second hand hold rod.

2,580,996
WAX COMPOSITIONS
John Mann Butler, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 16, 1948, Serial No. 39,202
8 Claims. (Cl. 260—28.5)

1. A coating composition comprising a hydrocarbon wax and an alkylated polystyrene made by reacting polystyrene with a propylene polymer, said wax being present to the extent of from 40 to 99.98 percent by weight of the total of the wax and alkylated polystyrene.

2,580,997
PLASTICIZED COPOLYMERS OF ACRYLONITRILE AND STYRENE
Earl C. Chapin, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 18, 1948, Serial No. 49,999
8 Claims. (Cl. 260—31.8)

1. A copolymer of 30 to 75 per cent styrene and 25 to 70 per cent of acrylonitrile, containing intimately dispersed therein from 2 to 15 per cent of an ester having the structural formula:



wherein R is an alkyl radical having from one to four carbon atoms.

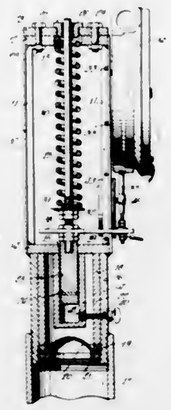
2,580,998
CAN OPENER
Robert D. Colgrove, Los Angeles, Calif.
Application November 6, 1948, Serial No. 58,699
4 Claims. (Cl. 30—22)

1. A can opener, comprising a handle having a pivot portion adjacent one end, said pivot portion extending downwardly and being provided with a hook at its lower end, said hook having a pivot edge directed rearwardly from said one end and offset laterally from the vertical plane of the handle, said pivot edge extending substantially parallel to the upper longitudinal side of the handle, said handle also having a downwardly pro-



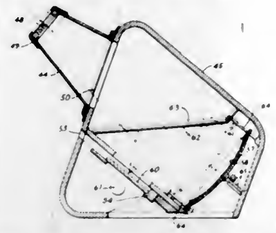
jecting cutting portion disposed intermediate its ends and provided with a lower sharpened edge, the end of said sharpened edge which is disposed nearest said hook providing an acutely pointed corner adapted to pierce the metal top of a can when forced thereagainst.

2,580,999
MUD PRESSURE GAUGE
Joshua C. Conrad, Oklahoma City, Okla.; C. J. Watts executor of said Joshua C. Conrad, deceased
Application March 7, 1949, Serial No. 80,019
3 Claims. (Cl. 73—392)



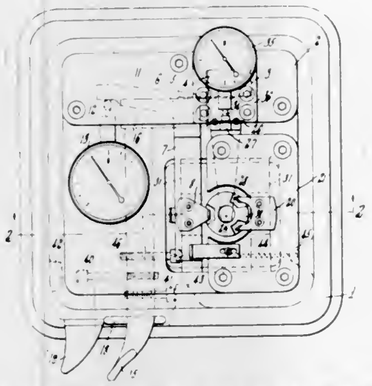
1. A drilling mud pressure exhibitor comprising a frame, a plunger reciprocable longitudinally in said frame, a tubular nipple affixed to said frame at one end and connected at its opposite end to a mud pressure line, a tube disposed in said nipple defining a fluid filled chamber whose walls are flush with the walls of said nipple and whose lower end terminates short of the lower end of said nipple, a pair of rings threaded into the said opposite end of said nipple, one of which rings bears against the lower end of said tube, a diaphragm interposed between and held by said rings adapted to separate the mud in said pressure line from the fluid in said chamber and effective to displace said fluid in accordance with variations in mud pressure in said pressure line, a cylinder concentrically arranged within said chamber secured at its upper end to said frame and having an opening to receive said displaced fluid, a piston attached to said plunger and adapted to be actuated in said cylinder by said displaced fluid, spring means resisting movement of said plunger and means attached to and actuated by said plunger for visibly exhibiting variations in pressure of said mud.

2,581,000
MAGNIFYING REFLECTION VIEWER FOR STEREOSCOPIC PICTURES
Jacob C. Copeland, Chicago, Ill.
Application April 6, 1946, Serial No. 660,129
9 Claims. (Cl. 88—29)



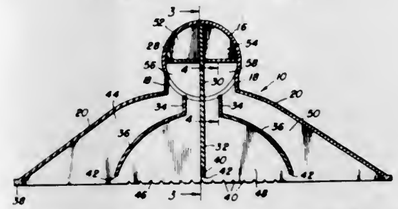
1. A stereoscopic viewer comprising means for positioning two stereoscopic pictures in untransposed position; means for illuminating said pictures; a viewer housing; a semi-transparent plate positioned diagonally across said viewer housing, said semi-transparent plate having a semi-transparent reflecting coating, said semi-transparent plate being positioned at about an angle of 45° with respect to said picture positioning means; a concave mirror positioned on one side of said semi-transparent plate and adjacent said semi-transparent plate at an angle of about 45° thereto; an aperture in said viewer housing on the opposing side of said semi-transparent plate; a hood supported by said viewer housing; means for producing a base-in prismatic effect positioned in the eye piece of said hood; two occluders positioned between said means for producing the base-in prismatic effect and said concave mirror to occlude only the two outermost images of the pictures leaving the overlapped central images for the eyes to view.

2,581,001
TAPER GAUGE
Elton S. Cornell, Charlestown, N. H., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application February 18, 1947, Serial No. 729,383
7 Claims. (Cl. 33—199)



1. In combination, a support, a plurality of taper gage anvils relatively movably carried by said support and shaped for engagement between adjacent threads of a taper threaded work piece, an anvil movably carried by said support for operative engagement with an end face of said work piece, a dial indicator responsive to the relative positions of said plurality of anvils when in engagement with the tapered threads, and a dial indicator responsive to the position of said anvil in operative engagement with said work piece end face relative to said plurality of anvils while in engaging position.

2,581,002
VACUUM CLEANER NOZZLE HAVING INTERNAL BAFFLES
David R. Creswell, Douglas, Ariz.
Application May 17, 1948, Serial No. 27,472
1 Claim. (Cl. 15—420)



In a vacuum cleaner nozzle, a hollow head curving upwardly from its opposite ends to its mid portion and having a flat, open base, air inlet ports in the lower edge of said base, partitions in said head defining a plurality of air inlet chambers communicating with said ports, a suction tube mounted above said head at its mid portion and communicating with said chambers, longitudinally extending, perpendicular diametrical baffles in said tube defining pairs of upper and lower quadrant shaped chambers, each communicating with a common source of suction, the lower pair of quadrant shaped chambers having direct entry to each of said air inlet chambers and the upper and lower pair of said quadrant shaped chambers having communication at the opposite end of said suction tube from said common source of suction.

2,581,003
DOOR AND GATE LATCH
Frank Dahlinghaus, Minster, Ohio
Application June 15, 1949, Serial No. 99,183
1 Claim. (Cl. 292—285)

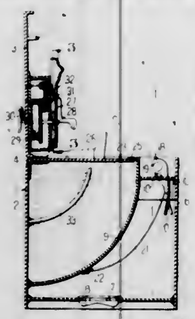


A device of the character described comprising a longitudinal casing being open at its top and bottom and made of a metal strip curved so as to form a loop-shaped member and having its end portions secured to one another, registering perforations being provided in said end portions, one half of said strip which forms one branch of said loop-shaped member being straight and provided with a longitudinal slot, the major portion of the other half of said strip being in spaced relation to the straight half and having a widened slotted section opposite the slot of said straight half; and a T-shaped latch member having its foot portion pivotally secured to said straight half of the strip and extending with its flange portion between both halves of said strip and over a portion of the slot in the straight half of said strip.

2,581,004
COIN BANK
Frank Damiano, Newburgh, N. Y.
Application October 3, 1950, Serial No. 188,244
1 Claim. (Cl. 46—3)

A coin bank comprising a casing, a hinged

cover for said casing, a latch portion affixed to the underside of said cover adjacent the free edge thereof, a forwardly and upwardly extending curved plate in said casing affixed at its lower end to the lower portion of the rear wall thereof and having inwardly directed horizontal flanges at its upper end, a platform affixed to said cover adjacent its hinged end at right angles to said cover and limited in its upward movement by said flanges, a horizontal plate interconnecting the upper portion of said curved plate and the forward wall of said casing, said casing having a coin-receiving slot in its forward wall below said



horizontal plate, a latch hook pivoted to said horizontal plate and engageable with said latch portion, a downwardly extending portion of said hook extending below said horizontal plate adjacent said coin slot and comprising a plurality of spaced parallel teeth, a clockwork affixed to the underside of said cover, a figure carried on the outer side of said clockwork and adapted to be oscillated thereby, said platform having an opening therein, and an arcuate hook affixed at its lower end to the rear wall of said casing and adapted to be received in said opening when said cover is closed whereby to align itself against one side of said figure to prevent movement of the latter.

2,581,005

POLYVINYL HALIDES PLASTICIZED WITH (1′,2′ - DICARBOXYETHYL) OCTADECENOATES

Joachim Dazzi, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 25, 1950, Serial No. 164,305
7 Claims. (Cl. 260—31.8)

1. A resinous composition comprising a vinyl chloride polymer plasticized with an ester selected from the class consisting of tris-aralkyl (1′,2′-dicarboxyethyl) octadecenoates and bis-aralkyl mono-alkyl (1′,2′-dicarboxyethyl) octadecenoates in which each aralkyl radical has from 7 to 8 carbon atoms and each alkyl radical has from 1 to 4 carbon atoms.

2,581,006

POLYVINYL HALIDES PLASTICIZED WITH (1′,2′ - DICARBOXYETHYL) UNDECYLENATES

Joachim Dazzi, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 25, 1950, Serial No. 164,306
7 Claims. (Cl. 260—31.8)

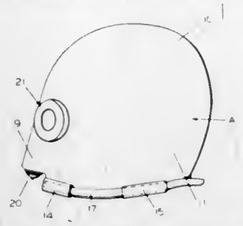
1. A resinous composition comprising a vinyl chloride polymer plasticized with an ester selected from the class consisting of tris-aralkyl (1′,2′-dicarboxyethyl)-undecylenates and bis-aralkyl mono-alkyl (1′,2′-dicarboxyethyl)-undecylenates in which each aralkyl radical has from 7 to 8 carbon atoms and each alkyl radical has from 1 to 4 carbon atoms.

2,581,007

SWIMMING HELMET

Donald J. Douglas and Russell L. Douglas, St. Paul, Minn.

Application January 11, 1947, Serial No. 721,602
3 Claims. (Cl. 128—141)



1. A swimming helmet including a flexible body designed to extend over the top of the head, the eyes, ears and nose, and a valve in said body, said valve including a pair of flexible discs, said discs being normally concave, a valve frame against which the edges of said discs engage, said discs being resilient to flex open to allow air to pass therethrough in one direction, said valve frame having an opening therethrough normally closed by said valves in one position thereof.

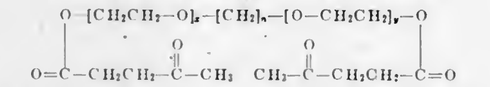
2,581,008

OXA-GLYCOL DILEVULINATES

William S. Emerson and Raymond I. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application August 14, 1948, Serial No. 44,406
4 Claims. (Cl. 260—483)

1. Esters having the structural formula:



in which x and y are small whole numbers from zero (0) to three (3), inclusive, the sum of x and y is a small whole number from one (1) to three (3), inclusive, and n is a small number from four (4) to six (6), inclusive.

2,581,009

METHOD OF PREPARING THIOPHENEALDEHYDES

William S. Emerson and Tracy M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application August 24, 1948, Serial No. 45,985
5 Claims. (Cl. 260—332.3)

1. A method of preparing a thiophenealdehyde, which comprises reacting a thiophene having the structural formula:



wherein X is a radical of the group consisting

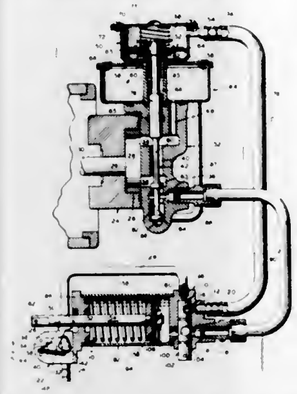
of hydrogen, halogen and alkyl radicals, with an N,N-disubstituted formamide and phosphorus oxychloride, in an anhydrous medium and separating the resulting product.

2,581,010

WINDSHIELD WIPER APPARATUS

Howard J. Findley, Chardon, Ohio, and Walter Ross Eames, Jr., Hazel Park, Mich., assignors to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application August 2, 1949, Serial No. 108,194
14 Claims. (Cl. 60—52)



1. Mechanism for operating devices with an oscillatory motion comprising means for producing hydraulic pressure, a valve for controlling the discharge therefrom, a motion transmitting element actuated by the pressure delivered thereto from the hydraulic pressure producing means, spring means biasing the motion transmitting element against the pressure producing means acting on the motion transmitting element, means for producing other than hydraulic pressure for controlling the actuation of the valve, trigger action valve means actuated by movement of the motion transmitting element for controlling the discharge of the second pressure producing means, and a manually actuated combination valve means having a part intermediate the valve controlling the discharge from the hydraulic pressure producing means and the motion transmitting element for regulating the flow of hydraulic fluid to and from the motion transmitting element and another part, intermediate the trigger valve and valve for controlling the discharge from the hydraulic pressure producing means, for controlling the discharge of the second pressure producing means.

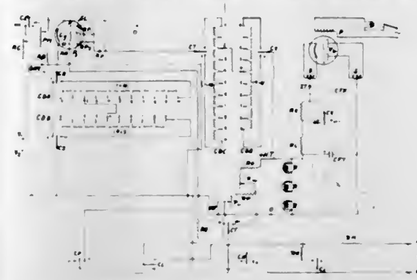
2,581,011

ELECTRONIC VOLTMETER WITH CALIBRATED RESISTORS

Maurice Fouquart, Paris, France

Application February 27, 1946, Serial No. 650,665
In France August 13, 1943
7 Claims. (Cl. 171—95)

1. An electronic voltmeter comprising an electronic visual indicating tube of the "tuning indicator tube" type having at least a cathode, a grid and an anode, in combination with a first source of known voltage, a second source having an unknown voltage to be measured, each of said sources having poles of positive and negative polarity, a connection between the negative poles of said sources for maintaining said poles at the same potential, and two rheostats associated mechanically in such fashion that the sum of the variable resistances which they interpose to the passage of a current is constant, one of said rheostats being connected between the anode of said



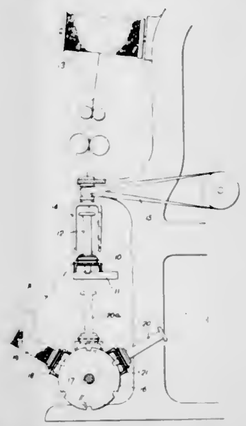
tube and the positive pole of the source of known voltage, the second rheostat being connected between the cathode and the negative pole common to said voltage sources, and a switch adapted to connect the grid of said tube, at will, either with the positive pole of the source of unknown voltage, or through the second rheostat, with the negative pole of said sources.

2,581,012

SPINNING, TWISTING, AND LIKE MACHINE

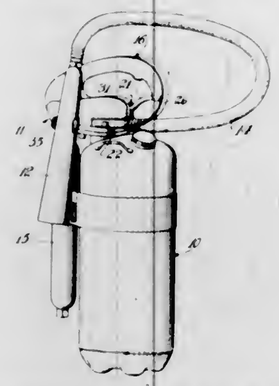
James Clifford Garnett, Darkfaulds, Blairgowrie, Scotland, assignor of one-half to Baxter Brothers & Company Limited, Dundee, Scotland

Application July 18, 1949, Serial No. 105,357
In Great Britain July 21, 1948
10 Claims. (Cl. 57—54)



1. In a device for winding yarn on to bobbins to form yarn packages having transfer tails and in combination, means for catching the yarn joining an unfilled bobbin in the filling position and a filled bobbin in a doffed position during the rotation of the unfilled bobbin by a yarn winding device and leading the yarn so that it is wound round the periphery of the base of the unfilled bobbin, a yarn severing device, and means mounted below the base of the unfilled bobbin for catching the yarn after it has been wound round the base of the bobbin and leading it under tension to the severing device so that it is severed.

2,581,013
HANDLE FOR PORTABLE FIRE EXTINGUISHERS
Leo Gordon, Nutley, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application June 9, 1949, Serial No. 97,990
6 Claims. (Cl. 169—31)



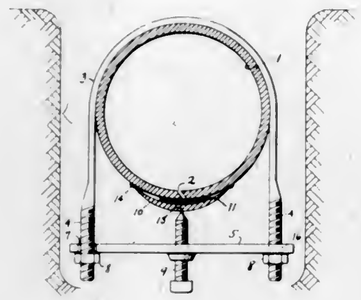
1. In combination, a container, a discharge control head secured to the upper end of said container, a carrying handle member having a casing portion for substantially concealing said control head and having an elongate arcuate handgrip portion extending across said casing portion and diametrically across the upper end of said container, said handgrip portion being provided with an end integrally formed with said casing portion and being provided with another end extending outwardly beyond and spaced from said casing portion and curved downwardly, and a loop-shaped strap extending over said handgrip portion and beyond the ends of said handgrip portion and having its ends secured to said control head to secure said handle member thereon.

2,581,014
PROCESS FOR METHYLATION OF AROMATICS
Manuel H. Gorin, San Francisco, Calif., and Everett Gorin, Mount Lebanon, Pa., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 11, 1945, Serial No. 634,393
1 Claim. (Cl. 260—671)

A continuous process for the production of an alkyl benzene which comprises continuously passing a mixture of benzene and methyl chloride in which the mol ratio of benzene to methyl chloride is greater than 1 to 1 over a contact catalyst consisting essentially of an association of silica and alumina in which the weight ratio of silica to alumina is from 1 to 0.2 to 1 to 0.001, said alumina-silica catalyst having been subjected to an acid environment in the final stages of its preparation, at a temperature not greater than 400° C.

2,581,015
REPAIR CLAMP FOR PIPE LINES
Thomas T. Graham, Houston, Tex.
Application March 4, 1946, Serial No. 651,881
2 Claims. (Cl. 138—99)

1. A repair clamp for pipe lines comprising, a yoke shaped to surround a pipe and having side arms which terminate in outwardly threaded portions, a tension bar having an opening in one end to receive one of said arms and having a side slot at its other end to receive the other arm, retaining nuts on said arms to retain said bar, a tension screw threaded through said bar, a flexible concavo-convex metallic patch ter-



minating in thin edges and against whose convex side the screw is arranged to operate to hold said edges in engagement with the pipe in position to be welded to the pipe to form a pocket between the pipe and the concave side of the patch and a resilient pad in the pocket on the concave side of the patch.

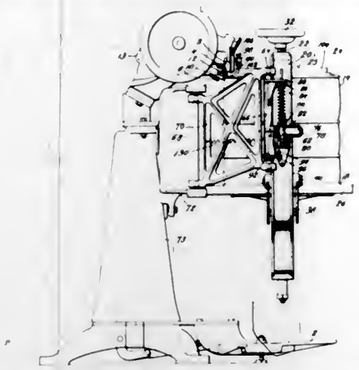
2,581,016
PROCESS FOR SULFONATING 1-AMINOANTHRAQUINONES
Paul Grossmann, Binningen, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application December 6, 1948, Serial No. 63,853. In Switzerland December 24, 1947
7 Claims. (Cl. 260—371)

1. A process for the manufacture of anthraquinone derivatives, wherein a 1-aminoanthraquinone is treated with a sulfonating agent in the presence of a tertiary amine base difficult to sulfonate, the molecular proportion between tertiary base and sulfonating agent being less than 3 to 1, whereby sulfonation of the 1-aminoanthraquinone takes place with formation of aminoanthraquinone sulfonic acid.

2,581,017
MACHINE AND METHOD FOR FASTENING HASSOCKS
Otto R. Haas, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 7, 1949, Serial No. 114,349
7 Claims. (Cl. 112—2)

1. A machine for sewing hassock end closures to the side wall casings thereof while enclosing a volume of stuffing material having a main frame, stitch forming devices in the frame, a support for bearing the entire weight of a hassock to facilitate presentation of a hassock to the stitch forming devices, including clamping means for holding the edges of the end closure and side wall casing together, in combination with a track on the clamping means, and a guide on the frame

engaging the track for directing the movements of the meeting end closure and side edges of the



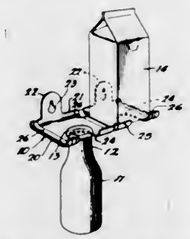
hassock casing along the sewing point in the machine.

2,581,018
APPARATUS FOR TREATING TEXTILE FABRICS
Charles George Hatay, Georgetown, Mass., assignor to E-Z Mills, Inc., New York, N. Y., a corporation of New York
Application April 28, 1950, Serial No. 158,825
10 Claims. (Cl. 26—18.5)



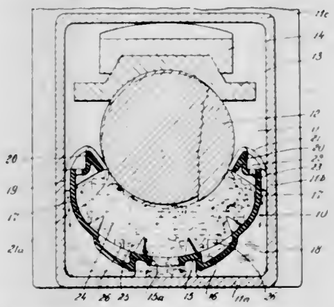
1. Apparatus for relieving internal stresses in a length of textile fabric, which comprises a container for a liquid wetting agent, a conveyor for moving the fabric lengthwise through the liquid in a submerged path under substantially tensionless and compressionless conditions, a guide plate located in the container below the liquid surface but above said path, and means for introducing air into the container below said path to urge the fabric upward against the guide plate and thereby spread the fabric.

2,581,019
CONTAINER AND BOTTLE SUPPORTING RACK
Harold R. E. Heide, Chicago, Ill., assignor to Henry Hildebrandt, Chicago, Ill.
Application November 9, 1946, Serial No. 708,959
1 Claim. (Cl. 211—75)



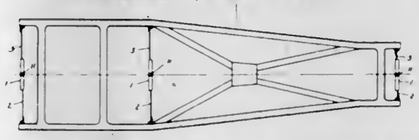
A sheet metal rack for supporting containers and bottles having necks and flanged tops comprising a horizontal shelf, vertical upstanding ears integral with the rear of the shelf and provided with holes for securing the rack to a vertical surface, apertures in the forward edge of the shelf to receive the necks of the bottles with the flanged tops of the bottles engaging the shelf adjacent the apertures for supporting the bottles, said apertures being aligned with and of the same dimensions as said ears, whereby a plurality of such racks may be formed from blanks punched out of a single sheet of material without waste, upwardly extending ribs formed on the shelf between and on each side of the apertures for reinforcing the shelf and defining areas for the reception of the containers, and an upwardly extending flange on the forward edge of the shelf to be engaged by the flanged tops of the bottles to prevent them from sliding forwardly out of the apertures and to be engaged by the containers to prevent them from sliding forwardly off of the shelf.

2,581,020
JOURNAL LUBRICATOR
John W. Hulson, Chicago, Ill., assignor to Hulson Company, Chicago, Ill., a corporation of Iowa
Application July 29, 1950, Serial No. 176,622
16 Claims. (Cl. 308—87)



1. A lubricator for use in a journal box for holding a packing of waste in contact with the journal, which comprises a vessel of flexible resilient material having a bottom formed with a plurality of openings in the central section thereof and oil sumps on opposite sides of said section, side walls extending upwardly from the sides of the bottom of the vessel, spaced projections on the outer surfaces of the side walls adapted to engage the sides of the journal box, and flanges extending inwardly from the upper ends of said side walls, each flange having spaced projections on its inner edge adapted to engage the journal and a plurality of openings through it adjacent its connection to its side wall.

2,581,021
BILATERALLY AND UNIFORMLY EXTENSIBLE UNIT
Le Roy V. Jacobsen, Durant, Iowa, and Gilbert G. Gosline, Rock Island, Ill., assignors to Bee-Line Company, Davenport, Iowa, a copartnership
Application November 19, 1948, Serial No. 61,103
5 Claims. (Cl. 33—191)



1. In a mechanism of the type described, a pair of relatively slidable elongated metal members

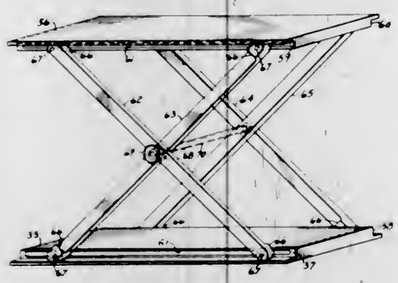
surrounded at their central portion by a housing and having their adjacent ends overlapped and connected by a flexible member, pulleys in said housing and rotatably held in the housing in relatively fixed position in relation to the housing, pivots connecting the pulleys to the housing, and cables connecting adjacent ends of said metal members and a centrally arranged pulley and passing around the pulleys in the housing whereby to connect the members to move in opposite directions simultaneously.

2,581,022
PRESS GUIDING GIB
Bertrand Japikse, Reiffton, Pa.
Application October 22, 1946, Serial No. 704,854
6 Claims. (Cl. 308—3)



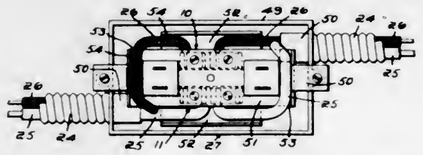
2. In a press having a housing member and a platen member arranged to move vertically relative to said housing member, the combination of, guiding surfaces disposed normal to one another carried by one of said members at one corner thereof, a guiding gib adjustably mounted on the other of said members and having surfaces in intimate contact with each of said guiding surfaces, said guiding gib being adjustable in one plane only for moving one of said gib surfaces toward and away from the contacting of said guiding surfaces, a single guiding surface carried by another corner of one of said members, said single guiding surface being disposed diagonally to said normally disposed surfaces, and a second guiding gib adjustably mounted on another of said members and having a surface complemental to and engaging said diagonally disposed single surface, said second guiding gib being adjustable in one plane only relative to said another of said members for moving said complemental surface toward and away from said single surface and therethrough another of said surfaces of said first guiding gib toward and away from said contacting of said first guiding surfaces.

2,581,023
ADJUSTABLE CROSSLEG TABLE
Joseph L. Jerick, New Britain, Conn.
Application August 30, 1948, Serial No. 46,732
1 Claim. (Cl. 311—93)



An adjustable table comprising a base, a top and two pairs of adjustable scissors crosslegs; the opposite side edges of said base and said top being offset outwardly beyond said crosslegs, the ends of said crosslegs slidably engaging in the offset extended edges of said base and said top respectively, and releasable clamping means passing through the pivotal points of said scissors crosslegs for drawing said crosslegs inwardly to cause the ends of said crosslegs to frictionally engage said base and said top, whereby said top may be adjusted and held in different vertical inclined and horizontal positions with relation to said base.

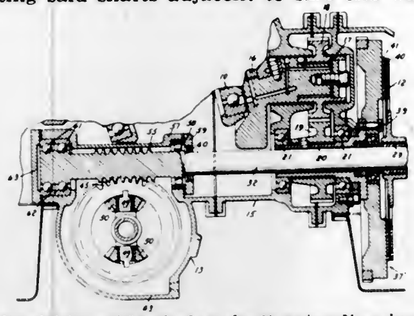
2,581,024
ELECTRICAL DEVICE AND TERMINAL THEREFOR
Joseph R. Joyce, Milton, Mass.
Application February 17, 1948, Serial No. 8,896
8 Claims. (Cl. 174—53)



1. An electrical device for use in an electric circuit having ground and live wires, one of which is of greater cross sectional area than the other, said device comprising a pair of conductor strips each of which has at least one contact, at least one terminal for each of said strips, each of said terminals comprising a first section secured to a strip and a second section, said sections having faces disposable in mutual contact, one of said faces having at least one channel disposed to establish a passage through the terminal when said sections are assembled, the channels being of such cross sectional size and shape as to embrace a major portion of the periphery of a predetermined one of said wires thereby to exclude the larger wire if the predetermined wire is the smaller of the two and to receive the smaller wire loosely if the predetermined wire is the larger of the two, and the other section having a clamping engagement with the exposed portion of said predetermined wire when the terminal sections are assembled and clamped together, and said sections each having a connecting passage extending from top to bottom thereof, said connecting passages registering when the terminal is assembled, and a headed element extending freely through the passage in the first section of the terminal and being threaded into the connecting passage of the second section thereof and having a kerf in its upper end, and an electrically insulated casing housing and supporting each contact strip and its terminal in spaced relation to the other strip and its terminal with the wire receiving passages of the terminals laterally exposed, said casing including a portion spaced slightly above the top of each second terminal section to hold said terminals therein and apertured to permit access to the kerfed end of each connecting element.

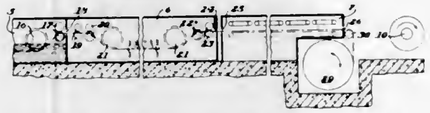
2,581,025
POWER-TRANSMITTING MECHANISM FOR VEHICLES
George F. Karow, Saginaw, Mich.
Application June 10, 1949, Serial No. 98,202
4 Claims. (Cl. 74—700)

1. Power transmission mechanism comprising an engine having a casing and a power shaft journaled in an end wall thereof, mechanism to be driven directly beneath said casing adjacent thereto, a tubular shaft below said power shaft journaled in the same end wall of said casing and extending outward therefrom, gearing connecting said shafts adjacent to said end wall, a



shaft within said tubular shaft extending inward beyond the same and having driving connection to said mechanism, and a variable speed transmission mechanism mounted on the outwardly projecting portion of said tubular shaft and connected at the outer end thereof with said inner shaft.

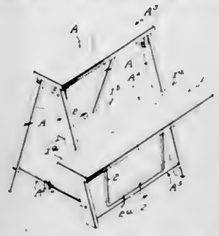
2,581,026
STRIP THREADING APPARATUS
John D. Keller, Pittsburgh, Pa., assignor to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio
Application May 29, 1946, Serial No. 673,209
9 Claims. (Cl. 271—2.1)



1. Apparatus for threading strip through treating apparatus comprising a flexible tension member having a single reach only extending longitudinally of the treating apparatus with one end of the tension member disposed at one end of the treating apparatus and the other end of the tension member disposed at the other end of the treating apparatus, means for connecting a strip end to the tension member, driving means, a rotatable member driven by the driving means for drawing the tension member endwise, a drum in advance of the rotatable member on which the tension member is wound, a frictional driving connection between the driving means and the drum through which the drum is caused to turn at such speed as to wind up the tension member and maintain the same approximately taut between the rotatable member and the drum despite change in effective drum diameter caused by winding of the tension member on the drum and means guiding the tension member generally parallel to the path which the strip is to follow through the treating apparatus so that as the tension member is drawn endwise the strip connected thereto is threaded through the treating apparatus.

2,581,027
STANDING STEP OR PLATFORM
Frank Keest, Urbana, Ill.
Application June 2, 1949, Serial No. 96,780
1 Claim. (Cl. 304—31.5)

In combination with a step ladder having side frames and having flat steps, a standing platform comprising a plank of greater width than that of the step ladder and having recesses at its inner corners forming a tongue portion entering between the side frames with its inner end seating upon a step of said ladder; a brace secured to the underside of the plank adjacent the outer edge thereof and seating upon the underlying step of said ladder to support said outer edge; a hinge having one leaf secured to the underside of the



tongue adjacent the outer edge thereof; a coil spring having an eye at one end secured to the other leaf of the hinge; and a hook on the underside of the plank adjacent the outer edge of the plank engaged by a second eye at the outer end of the spring when the spring is stretched forwardly with the spring and said other leaf underlying the step of the ladder on which the tongue is seated to prevent outward movement of the tongue with respect to said step.

2,581,028
ANIMAL RUBBING AND OILING STATION OR APPARATUS
William M. Kirk, Amarillo, Tex.
Application April 24, 1950, Serial No. 157,767
19 Claims. (Cl. 119—157)



1. In an animal rubbing and oiling station, a horizontally-disposed base having an outermost portion; a support extending upwardly from said base and having an upper end; a catenated rubbing and oiling portion, including an elongated loosely flexible member extending from adjacent said outermost portion of said base upwardly to adjacent the upper end of said support, and a plurality of perforated members strung along said elongated member, each perforated member having an oil-film receiving outer face and opposite oil film-receiving end faces; and means for flowing oil onto said elongated member.

2,581,029
COMBINED WALLET AND PURSE
Simon Knee, Newark, N. J.
Application April 12, 1948, Serial No. 20,493
4 Claims. (Cl. 150—35)

4. A combined billfold and purse, comprising a pair of outer walls and an inner wall all joined to each other at their adjacent side edges, coextensively thereof, one of said outer walls being also joined to said inner wall along a transverse line intermediate the opposite ends of said walls and forming pockets disposed at opposite sides, respectively, of said transverse line of juncture, each of said pockets having a transversely extending end opening, the other of said outer walls

and said inner wall defining the billfold, said billfold having a transversely extending end opening adjacent one of said first mentioned end openings, said three walls being foldable about a transverse line whereby all of said end open-



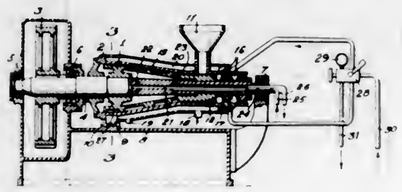
ings are disposed adjacent each other, said end opening of the billfold being located externally of said pocket defining walls, said billfold also having a transversely extending opening formed in one of said pockets, and separate closure means for said first mentioned end opening of the billfold and for the end opening of one of said pockets.

2,581,030
STEERING CONTROL FOR BANKING ARM VEHICLES
Joachim Kolbe, Sussex, Wis.
Application January 5, 1948, Serial No. 630
In Canada January 17, 1947
30 Claims. (Cl. 280—87)



1. In a vehicle having a superstructure and a plurality of banking arms supporting said superstructure upon the road by means of corresponding wheels and interconnected transversely in pairs to operate in correlation for banking the superstructure inwardly on curves, each banking arm of at least one pair being connected to the superstructure on an inclined banking axis whereby the wheels have a forward and backward component of movement relative to the superstructure during banking movement of the superstructure, a steering control mechanism for said pair of said wheels comprising a wheel knuckle turnable on a substantially vertical axis for determining the direction for each corresponding wheel of the pair, a steering arm for at least one of said wheel knuckles, a drag link interconnecting said steering arm and the superstructure, the connection between said drag link and superstructure being disposed at a control point which is substantially neutral to relative vertical oscillation between the wheel and the superstructure and to relative movement of the superstructure and the rotational axis for the wheel during banking whereby the directional position of the wheel is maintained, and a control mechanism for the opposite wheel knuckle of said pair correlated to said steering arm and drag link to provide a corresponding control for the steering position of the wheel during banking.

2,581,031
MACHINE FOR THE HOMOGENIZATION OF PLASTIC MASSES
Arnošt Kruzik, Zlin, Czechoslovakia, assignor to Bata Národní Podnik, Zlin, Czechoslovakia
Application December 11, 1947, Serial No. 791,044
In Czechoslovakia December 14, 1946
2 Claims. (Cl. 18—2)



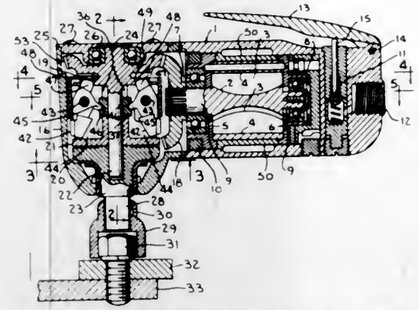
1. A machine for the continuous homogenization of plastic masses, comprising a working casing, a worm rotatably mounted in the working casing, with but small clearance space between the external periphery of the worm and the internal periphery of the casing, an inlet for admitting plastic material to the said clearance space, an outlet for homogenized material from the clearance space, bridging pieces interrupting the continuity of the space between the turns of the worm thread, and hydraulic pressure means coacting with the worm and casing for relative movement in an endwise direction for adjusting the clearance between said worm and casing in opposition to the axial component of the thrust of the plastic material against the internal surface of the casing.

2,581,032
COUPLING MEANS FOR GARMENT HANGER RACKS
Wolf S. Landsman, Brooklyn, N. Y.
Application November 17, 1945, Serial No. 629,251
3 Claims. (Cl. 287—2)



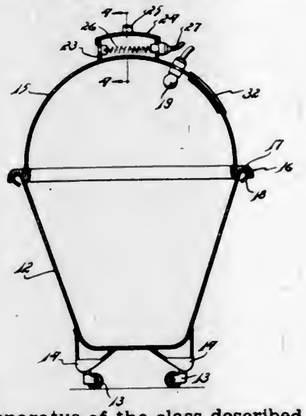
1. Coupling means for aligned axially spaced tubular sections of a support or rack for garment hangers, said tubular sections having an outer surface of substantially equal design and dimensions, and threaded end portions, said coupling means comprising an internal coupling member and a sleeve and adjacent ring slidably housing the middle portion of said internal coupling member, the end portions of said internal coupling member being threaded and projecting from said sleeve and ring, and being adapted to be screwed into the threaded end portions of the adjacent tubular sections, the outer surfaces of the sleeve and ring forming a substantially continuous surface with the outer surface of the tubular sections.

2,581,033
AXIALLY OFFSET, MOTOR OPERATED, IMPACT-TYPE WRENCH
Gilbert B. Larson, Geneva, and Frank A. Kaman, Aurora, Ill., assignors to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application February 14, 1947, Serial No. 728,552
3 Claims. (Cl. 81—52.3)



1. A portable power operated tool of the character described, comprising a support, a motor unit mounted on the support with its driving axis extending longitudinally of the support, an impact clutch unit carried by the support with its operative axis angularly disposed to said motor axis, means providing an angular driving connection between said units, a work engaging member for the tool driven by said impact unit, and cam-means operably connected in the drive between the impact unit and the angular connection for transmitting the power of the motor unit to the impact unit, said cam-means being yieldable upon impact to permit continued rotation of said angular driving connection relative to said impact unit to relieve the angular driving connection of the direct blows of the impact unit on the work.

2,581,034
APPARATUS FOR FERMENTING SPONGE DOUGH
Albert M. Lewis, Detroit, Mich.
Application February 7, 1946, Serial No. 646,029
4 Claims. (Cl. 107—7)

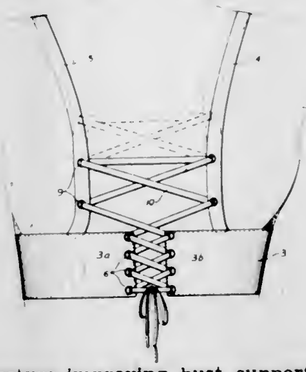


1. An apparatus of the class described adapted for use in fermenting un-fermented sponge dough; comprising: a container for the reception of un-fermented sponge dough; a cover for said container projecting upwardly therefrom and engaging at its edges the edges of said container; a sealing element for sealing the edges of said container with said cover for preventing escape of gasses from said container; a housing on said cover; an electric heating element in said housing; and saturated water absorbent material in said housing, said housing being in communication with the interior of said cover.

2,581,035
ANION EXCHANGE RESIN ANTACID
Gustav J. Martin and John Wilkinson, Philadelphia, Pa., assignors to The National Drug Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 26, 1949, Serial No. 83,763
6 Claims. (Cl. 167—55)

1. A therapeutically active anion-exchange resin composition particularly adapted for the treatment of peptic and duodenal ulcers, comprising a solid, finely divided, water-insoluble high polymeric condensation product of a phenol, formaldehyde and an alkylene polyamine, reduced to a particle size substantially that which will pass through a 200 mesh screen of the U. S. Sieve Series.

2,581,036
BRASSIÈRE
Evelyn McIlhinney, Ottawa, Ontario, Canada
Application November 6, 1947, Serial No. 784,401
3 Claims. (Cl. 2—42)

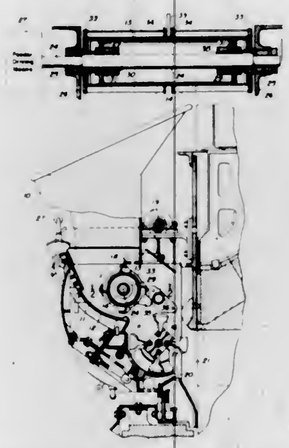


1. A posture-improving bust supporting garment comprising a body encircling band having spaced ends at the back thereof, a pair of breast-receiving cups attached to said band on opposite sides of its front median, a pair of laterally spaced shoulder straps extending one from the top of each of said cups to the back of said body band and secured thereto in spaced relation to the respective ends thereof, a row of vertically spaced eyelets in each end of said band and a row of vertically spaced eyelets in the back of each of said shoulder straps above said band and an adjustable draw lace threaded through said eyelets in said shoulder straps and said band ends.

2,581,037
FEEDER APPARATUS FOR SPREADER STOKERS
Harold G. Meissner, Mount Vernon, and George P. Jackson, Flushing, N. Y., assignors to Combustion Engineering-Superheater, Inc., New York, N. Y., a corporation of Delaware
Application July 1, 1949, Serial No. 102,472
5 Claims. (Cl. 222—346)

1. In a feeder for delivering material through a passage, the combination of a rotatable shaft

extending across the passage between the locations of material entry thereinto and of material discharge therefrom; a cylinder surrounding said shaft in concentric relation thereto with the cylinder's curved sides spaced from adjoining boundaries of the passage; means restraining said cylinder against rotation with the shaft, said means including a member protruding outwardly from the cylinder for engagement with a stationary stop; a cage structure mounted in concentric relation to said cylinder for rotation with said shaft and including scraper bars that extend longitudinally along the outside surface of the cylinder in spaced disposition around the cylin-



der's periphery, said cage structure surrounding the portion of said cylinder that is between said restraining member and one of the cylinder ends; means including said shaft for rotating said cage structure whereby to advance the scraper bars thereof around the cylinder's stationary surface and forwardly through the said space between one of the cylinder's curved sides and the adjoining passage boundary so that each bar can advance material ahead thereof through that space and in thus moving over the cylinder surface can prevent material from adhering thereto and accumulating thereon; and means preventing forward travel of material past the cylinder's other side.

2,581,038
CHOLINE PREPARATIONS
Leonhard Middendorf, Frankfurt (Main)-Hoechst, Germany, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfurt (Main), Germany
No Drawing. Application April 19, 1949, Serial No. 88,500. In Germany October 1, 1948
4 Claims. (Cl. 167—82)

1. A capsule soluble in digestive juice and containing an emulsion of liquefied hydrated choline chloride as the dispersed phase in a physiologically tolerable oleaginous medium of the class consisting of fats and higher hydrocarbons.

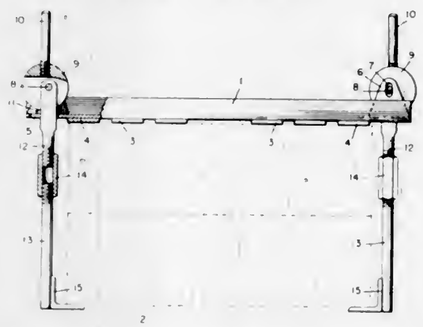
2,581,039
CANDY DISPENSING TOY PUMP
Jacob H. Millstein, Jeannette, Pa.
Application February 18, 1948, Serial No. 9,139
4 Claims. (Cl. 222—368)

1. In a candy dispensing toy, a housing casing consisting of two separable sections of like transverse configuration to confront each other in connected registration and provide a hollow housing, a candy-holding bottle having a neck zone mounted within said casing in inverted position and housed thereby with the bottle opening downward, said sections having internal formations for supporting the bottle in such position, a delivery chute beneath said bottle, a drum in said chute having a candy-receiving pocket in



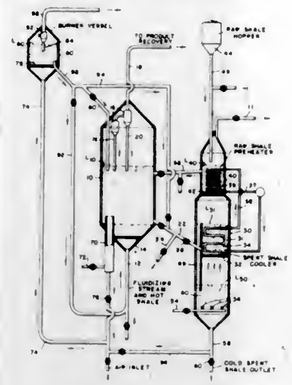
its periphery, the axis of said drum intersecting the division line between the casing sections, said chute having an opening in registration with the bottle opening, and means extending axially through the drum and supported by both sections, said means being mounted for exterior rotation to thereby permit drum rotation to move the drum pocket into and out of registration with the chute opening and to deliver the pocket content into the chute.

2,581,040
CAM ACTUATED ADJUSTABLE MOLD CLAMP
William Mullenbach, Charles City, Iowa
Application October 3, 1947, Serial No. 777,776
2 Claims. (Cl. 144—297)



1. A mold clamp comprising a longitudinal member having spaced apart cross members attached thereto, an aperture in each end of said longitudinal member, a pair of vertically slotted supporting members disposed on top of said longitudinal member on opposite sides of each of said apertures, each pair of said supporting members having its vertical slots in alignment in a direction substantially transverse of said longitudinal member, a clamping rod extending through each of said apertures of said longitudinal member and pivotally supported by an axle extending through the aligned vertical slots in each pair of said supporting members, said clamping rods having mold engaging means on the free ends thereof for cooperating with the under part of a mold, and a cam eccentrically carried by each of said axles and cooperating with the top side of said longitudinal member for raising and lowering said clamping rods.

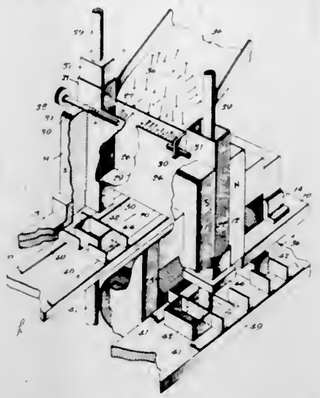
2,581,041
UTILIZATION OF HEAT OF FINELY DIVIDED SOLIDS
Henry J. Ogorzaly, Summit, and Walter A. Rex, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application November 14, 1947, Serial No. 785,898
6 Claims. (Cl. 202—27)



1. A method of preconditioning subdivided solids subjected to a high temperature treatment in a high temperature treating zone which comprises withdrawing a stream of hot subdivided solids from said treating zone, passing said stream into a separate heat exchange zone, passing fluidizing vapors upwardly through said heat exchange zone at a rate adjusted to maintain the solids therein in a dense, turbulent, fluidized state, maintaining a bed of subdivided fresh solids to be preconditioned in a heating zone, passing a gasiform medium upwardly through said bed at a rate adapted to maintain said bed in a dense, turbulent, fluidized state, transferring a portion of the sensible heat of the solids from said heat exchange zone to said bed to supply heat to the solids therein by first transferring heat from said solids to a heat transfer fluid medium and thereafter bringing said heat transfer medium into indirect heat exchange relationship with the said bed if subdivided fresh solids, passing preconditioned subdivided solids from said bed to said treating zone, passing subdivided hot solids of reduced temperature from said heat exchange zone to a cooling zone, injecting a vaporizable liquid into said cooling zone while the solids in said cooling zone are above the vaporization temperature of said liquid, whereby said solids are further cooled and the liquid is vaporized to produce said fluidizing vapors, and withdrawing cooled solids from said cooling zone.

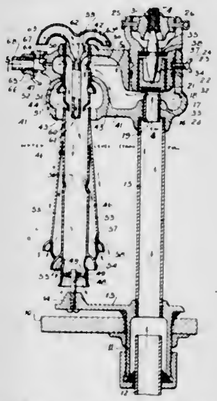
2,581,042
NAIL PACKAGING MACHINE
Stuart Otto, New York, N. Y.
Application August 17, 1946, Serial No. 691,266
8 Claims. (Cl. 10—162)

2. A nail packaging machine comprising a chamber of non-magnetic material to receive nails, magnetic poles of opposite polarity adjacent to and at opposite sides of said chamber to generate parallel lines of force through said chamber, a conveyor to move a container into position below the chamber, means to elevate the container to a position contiguous with the lower portion of the chamber, means for introducing a premeasured mass of nails into the chamber for orientation thereof along said parallel lines of force, plunger means to transfer the nails oriented in parallelism into said container and to depress said container and said elevating means to a position flush with said conveyor and



means for operating said nail introducing means, conveyor, elevating means, and plunger means in timed relationship.

2,581,043
ANTISIPHON SILENCER FOR BALL COCKS
Jesse C. Owens, Los Angeles, Calif.
Application May 8, 1945, Serial No. 592,691
6 Claims. (Cl. 137—111)

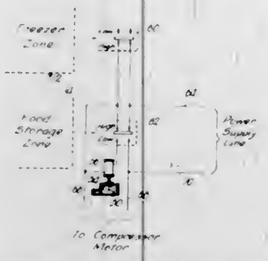


1. An antisiphon device comprising a housing having an inlet and an outlet, a discharge tube carried by said housing and extending downwardly from said outlet, and a tubular stem mounted within said housing and extending downwardly into said discharge tube in spaced relation therewith and having a water inlet port disposed in position to receive some of the water from said housing's inlet, said stem having an air inlet port above said stem's water inlet and opening to the atmosphere exteriorly of said housing and also having an outlet port below said stem's water inlet port and opening into the interior of said discharge tube.

2,581,044
REFRIGERATING SYSTEM
Jack A. Ratcliff, Amarillo, Tex.
Application September 17, 1949, Serial No. 116,300
14 Claims. (Cl. 62—2)

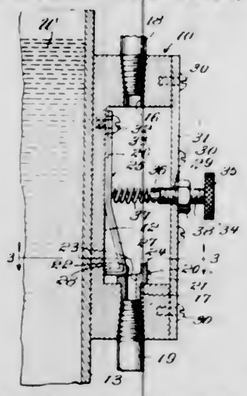
1. In refrigerating apparatus, a primary refrigerant circuit including a primary evaporator

having a first portion and a second portion, a secondary refrigerant circuit including a secondary evaporator and a secondary condenser, a heat exchanger constructed and arranged to conduct heat from the secondary condenser to said first portion of the primary evaporator, a low temperature compartment cooled by the second portion of the primary evaporator, a higher tem-



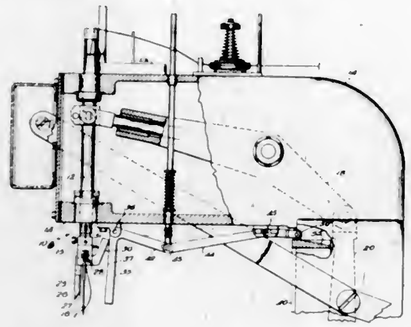
perature compartment cooled by the secondary evaporator, each of said compartments having a thermo-responsive device controlled in accordance with the temperature in that compartment, and said heat exchanger including means controlled conjointly by both of said devices for varying the rate of heat transfer from the secondary condenser to said first portion of the primary evaporator.

2,581,045
THERMOSTATIC REGULATING VALVE
Robert D. Rhoads, Franklin, Pa.
Application September 1, 1948, Serial No. 47,191
3 Claims. (Cl. 236—101)



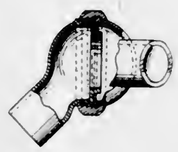
1. In a fuel control valve, the combination which comprises an elongated box-like casing having end walls with threaded openings therein, side walls and a base providing a valve body, a cover plate on said valve body, a nipple having a flange on one end and having a ridge providing a stop on one side of the flange positioned in the valve body with the nipple extended into the threaded opening of one of the end walls with the flange resting against the inner surface of said wall, said flange having an arcuate outer face, a flat bi-metal strip with a flange at one end positioned in the said valve body, and means mounting the said bi-metal strip against the inner surface of the base of said casing with the flange on the end thereof positioned to coact with the arcuate surface of the flange of the nipple and with the ridge at the edge of the flange positioned to limit the movement of the said bi-metal element.

2,581,046
SEWING MACHINE
Marion C. Rich, Denver, Colo., assignor to The Reece Corporation, Boston, Mass., a corporation of Massachusetts
Original application January 8, 1949, Serial No. 69,858. Divided and this application February 23, 1949, Serial No. 77,957
8 Claims. (Cl. 112—68)



1. In a sewing machine comprising stitching mechanism and a work clamp movable relatively to each other to sew a row of stitches in material in said work clamp, a slit cutter, actuating means for the slit cutter moving said cutter to cut the slit as the stitching progresses and means actuated in predetermined relation to the change in position of the needle and the work clamp changing the position of the cutter with respect to the needle progressively during the sewing of the stitches and thereby to cut a slit which may be different in length from the length of the row of stitching put in the work by the stitching mechanism.

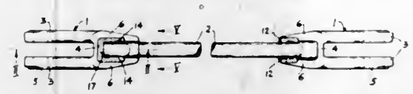
2,581,047
PIPE COUPLING
Alexander H. Salmond and Thomas Denluck, Victoria, British Columbia, Canada
Application September 24, 1949, Serial No. 117,561
In Canada July 29, 1949
1 Claim. (Cl. 285—123)



A pipe coupling comprising in combination a pair of substantially similar mating components consisting of a hemispheroid, a socket projecting from the exterior side of the hemispherical surface thereof, the axis of said socket being radially disposed in relation to said hemispheroid, said axis lying at or about 45 degrees from the produced plane of the perimeter of said hemispheroid, one of said hemispheroids being externally and perimentrically screw-threaded, the other being provided with an externally projecting, perimetrical flange, an inwardly projecting perimetrical flange on the hemispheroid containing said outwardly projecting flange, an annular inwardly projecting and perimetrical rib of right-angular cross-section of the hemispheroid which is screw-threaded, said inwardly projecting flange fitting into the interior angle

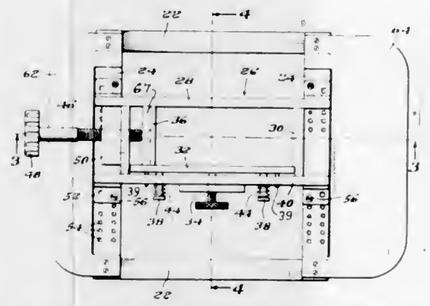
formed by said rib cross-section, and abutting said rib, and an annular, internally screw-threaded collar or union for uniting said hemispheroids.

2,581,048
FORKED CONNECTING MEMBER
Frederic Schaefer, Pittsburgh, Pa., assignor to Schaefer Equipment Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 22, 1950, Serial No. 151,246
8 Claims. (Cl. 287—20.2)



1. A metal connecting element adapted to be mounted on an end of a metal rod, said element having at its rod-engaging end a pair of spaced parallel jaws adapted to extend along the side surface of an end portion of such a rod, a cross member at one side of the connecting element connecting the inner end portions of the jaws and having a concave surface adapted to engage the rod, and a second cross member at the opposite side of said element connecting the outer end portions of the jaws beyond said inner cross member, said second cross member having a concave surface adapted to engage the rod, and the side of each jaw being adapted to be welded to said side surface of the rod.

2,581,049
GROOVING OF INDEX CARDS
William Schempers, Wollaston, Mass., assignor to John Hancock Mutual Life Insurance Company, Boston, Mass., a corporation of Massachusetts
Application February 26, 1949, Serial No. 78,499
2 Claims. (Cl. 164—61)



1. A machine for grooving index cards comprising, in combination, a supporting frame, a circular saw supported in said frame, a table presenting a smooth upper surface mounted on said frame above said saw and having a slot extending in a direction from front to rear of said frame and in the plane of said saw to accommodate the cutting edge of said saw to a predetermined distance above said surface, said surface having formed therein a pair of spaced rectilinear grooves on either side of and parallel to said slot and an index card holder assembly slidably supported on said surface, said assembly comprising a pair of longitudinally extending rails arranged to slide in said grooves, transverse supports held on said rails, and an index card holder mounted on said supports, said holder comprising two pairs of opposed vertical clamping plates operative in a horizontal plane at right angles to each other, one pair in a forwardly and rearwardly direction and the other pair in a transverse direction, one plate of each of said pairs being fixedly attached to said supports and the other plate of each of said pairs being adjustable toward and away from its opposing fixed plate, a clamping device held by said supports for moving each of said adjustable plates toward and away from its opposing plate for aligning and compressing into a solid block a pack of index cards arranged vertically therebetween with their bottom edges engaging said surface whereby said block of cards may be fed in a rectilinear path into the cutting edge of said saw by movement of said assembly guided by said rails to abrade a groove uniformly in the bottom edge of each card in said pack at a predetermined distance from its end, and positive locking means mounting said holder on said tranverse supports, said locking means permitting releasing and shifting of said holder transversely and relocking thereof at preselected uniformly spaced stations so that said cards may be grooved with accuracy at any desired location along their bottom edges, said forward and rearward clamping plates being slotted at their lower edges to clear said cutting edge during said abrading operation.

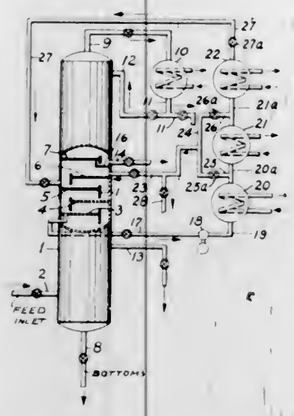
2,581,050
METHOD FOR THE PRODUCTION OF DIMETHYL SULFOXIDE
Tor Halfdan Smedslund, Helsingfors, Finland, assignor to Aktiebolaget Centrallaboratorium, Helsinki, a corporation
No Drawing. Application July 19, 1948, Serial No. 39,580. In Sweden July 18, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 18, 1964
11 Claims. (Cl. 260—607)

1. A continuous method for the production of dimethyl sulfoxide by the vapor phase oxidation of dimethyl sulfide, which comprises mixing at substantially atmospheric pressure and temperature dimethyl sulfide vapors with an oxygen containing gas, containing sufficient oxygen to oxidize the dimethyl sulfide to the sulfoxide, and with a small amount of oxygen transmitting nitrogen oxide sufficient only to catalyze the oxidation reaction without causing the temperature to rise above about 75° C. and insufficient to furnish oxygen for the said oxidation reaction, passing the resulting gaseous mixture through a reaction zone of large volume while retaining the mixture in said zone until the dimethyl sulfide is oxidized substantially to dimethyl sulfoxide.

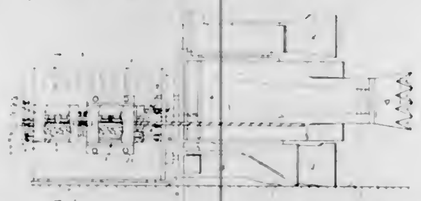
2,581,051
METHOD OF OPERATING LIQUID REFLUX SYSTEMS IN FRACTIONAL DISTILLATION
Charles W. Smith, Plainfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 1, 1949, Serial No. 96,524
7 Claims. (Cl. 202—40)

1. A method for fractionating vaporized liquid materials, in which liquids, including a condensate of said materials, are passed downwardly through a fractionation zone and vapors upwardly therethrough in countercurrent relation, a product fraction of said materials being withdrawn from a selected level in said zone as a liquid condensate, which comprises withdrawing a portion of said liquids as a stream of liquids from a selected level in the zone, substantially below that at which a product fraction is with-

drawn, initially cooling said stream by heat exchange, withdrawing a portion of the initially cooled stream, returning said portion as reflux to a level in said zone substantially above the level from which the initial stream is withdrawn, but below that at which said product fraction is withdrawn, further cooling the remainder of said stream and returning the further cooled remainder as reflux to a level in said zone intermediate the level of initial withdrawal of the stream and the level at which the initially cooled portion is returned to said zone.

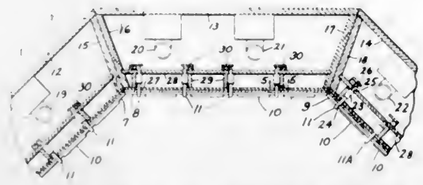


2,581,052
HAULAGE APPARATUS FOR MINING MACHINES
John Connel Sproul, Glasgow, Scotland, assignor to Mavor & Coulson, Limited, Glasgow, Scotland
Application April 27, 1949, Serial No. 90,028
In Great Britain March 25, 1946
7 Claims. (Cl. 254—135)



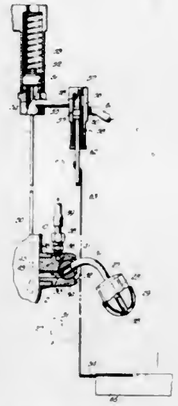
4. A gripper for mining machine haulage apparatus including means for effecting relative movement between the gripper and a haulage rope, the said gripper comprising first and second co-operating jaws to grip the rope, an adjustable first support, toggle means interposed between said support and said first jaw, an adjustable second support, cam means interposed between said second support and said second jaw, means for moving both of said supports lengthwise of the jaws and also for moving said first support to-or-from said first jaw, said supports being movable between alternative positions at opposite sides of a neutral position, the toggle means in said alternative positions being set at mutually opposite inclinations to the first jaw and said cam means act wedgewise on said second jaw so that both jaws will exercise their grip on the rope in either of two directions but will free the rope in the return direction.

2,581,053
PUSH BUTTON HAVING TWO POSITIONS IN ONE OF WHICH IT IS ILLUMINATED
Robert J. Thomas, Royal Oak, Mich.
Application January 6, 1949, Serial No. 69,427
2 Claims. (Cl. 240—1)



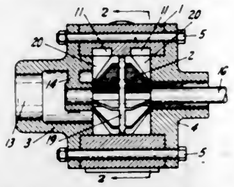
1. In a device of the character described, including a tubular light source and a double walled shield for the light source, the combination of a plurality of plastic light conductors slidable in said shield, each of said conductors having an angular face at the end adjacent said light source and each of said conductors having an enlarged central section with at least one flat side face, each end of said central section being arranged to contact a respective wall of said shield to serve as stops and the said flat side face of each said central section being arranged to slidably engage a spacer positioned between the double walls of said shield, whereby to prevent the rotation of said conductor.

2,581,054
APPARATUS FOR BREAKING EGGS AND SALVAGING LIQUID EGG MATERIAL
John M. Vansant, Topeka, Kans.
Application January 23, 1947, Serial No. 723,684
18 Claims. (Cl. 146—2)



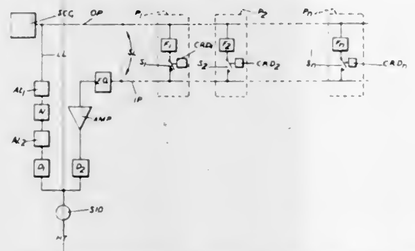
1. Salvaging apparatus for extracting the remnant liquid egg material from egg shell halves, comprising a rotary valve supported in a stationary housing, a shell-receiving mandrel mounted on the valve and fixedly secured thereto to turn therewith relative to said housing, a duct in the valve communicating with the interior of a shell half when same is positioned on the mandrel, a conduit in the housing adapted to register with the duct only when the valve occupies a predetermined angular position with respect to the housing, and suction means connected to the conduit for producing a subatmospheric pressure in the duct when the valve occupies said predetermined position.

2,581,055
CENTRIFUGAL PUMP
Adolph Wahle, Davenport, Iowa, assignor, by direct and mesne assignments, of one-half to W. H. Martin, Davenport, Iowa
Application September 3, 1946, Serial No. 694,606
4 Claims. (Cl. 103—103)



1. A double centrifugal pump, for liquids, of the open face type having heads and an inlet through one of the heads of the pump, said pump having a cavity, and a rotor in the pump cavity, said rotor comprising a power shaft, a sleeve surrounding said shaft between said heads, a web extending transversely thereto and rigidly joined to the sleeve, substantially in the middle of the pump cavity, and vanes radiating from the sleeve upon opposite sides of the web and rigidly connected to the sleeve and web, said pump having a housing surrounding said rotor, said web having apertures therethrough between the vanes and in proximity to the shaft, the housing being provided with a tangential outlet from the rotor cavity for the discharge of fluid, there being channels between the rotor and the two heads of the pump, said channels being V-shaped in cross-section, the vanes being longest along the sleeve and trapezoidal in form, the rotor engaging the heads.

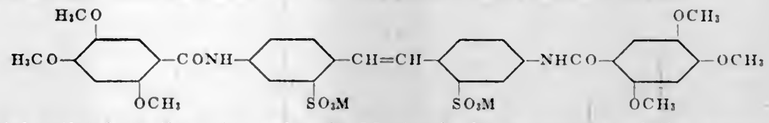
2,581,056
SIGNAL TRANSMISSION SYSTEM
Thomas Walmsley, Ealing, London, and Ronald Craig Leigh, Taplow, England, assignors to British Telecommunications Research Limited, Taplow, England, a British company
Application May 11, 1949, Serial No. 92,574
In Great Britain May 31, 1948
8 Claims. (Cl. 177—353)



1. An alternating current signalling system for signalling the state of each of a number of remote condition-responsive devices to an indicating device, comprising a signal current generator of which the frequency changes with time, a signal indicating device, two lines in parallel between said generator and said indicating device, one of said lines being a local line co-operating with said generator to pass a succession of current impulses of different frequencies through to said indicating device which responds to all said impulses in turn and the other of said lines being a signalling line, comprising outgoing and incoming paths, which passes through each of a series of points, condition-responsive devices located at said points, and at each point in the series means comprising a switch actuable by the condition-responsive device at that point and, in series with the switch, a filter selective to a particular frequency that is associated with that particular condition-responsive device, for transferring signal current of the said frequency from the outgoing to the incoming path of the signalling line by which it is passed to the indicating device to vary the indication given thereby.

2,581,057
BLUE-FLUORESCENT DYESTUFFS
Walter Valentine Wirth, Woodstown, N. J., and Stanley Earl Krahler, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application October 15, 1948, Serial No. 54,814. Divided and this application October 25, 1949, Serial No. 123,542
2 Claims. (Cl. 260—507)

1. A compound of the general formula



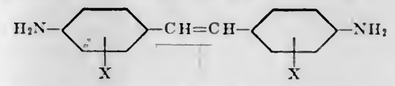
wherein M stands for a member of the group consisting of hydrogen, the alkali-metals and ammonia.

2,581,058
COATINGS FOR INSULATION BOARD
John K. Wise, Evanston, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application July 21, 1947, Serial No. 762,544
5 Claims. (Cl. 106—214)

1. A coating composition suitable for application to wet insulating board comprising an aqueous gelatinized starch vehicle and an ester of a fatty acid, having from 12 to 24 carbon atoms, and a polyethylene glycol having a molecular weight of from about 3000 to 4000.

2,581,059
PROCESS OF ACYLATION
Michael Witte, Colonie, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 29, 1948, Serial No. 35,962
14 Claims. (Cl. 260—507)

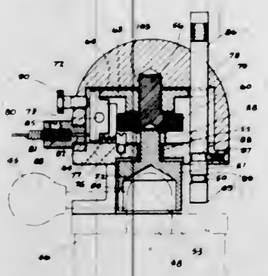
1. In the process of diacylating 4,4'-diaminostilbene compounds of the formula:



wherein X represents an acid radical selected from the group consisting of —SO_3H and —COOH, wherein said stilbene compound in the form of its alkali salt is condensed with a benzoyl halide, the improvement which comprises effecting said condensation in solution in

a 10% to 30% solution of sodium acetate in a mixture of acetone and water in relative proportions of from 1:2 to 2:1.

2,581,060
SWITCH CONTROL
Clarence W. Wold, Whittier, Calif., assignor, by mesne assignments, to Carl P. Leu, Martin A. Leu, Clarence Wold, and Adolf A. Unger, all of Whittier, Calif., a partnership
Application December 13, 1945, Serial No. 634,646
9 Claims. (Cl. 74—2)



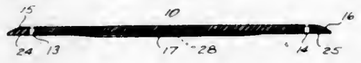
1. In combination with an electric reversing switch having a stationary base and a movable control member manually operable about an axis from one position to another position, operating means for the control member comprising a rotary shaft, a body attached to the switch base and rotatably supporting the shaft, a connector non-rotatably associated with said switch control member and having a lost motion rotary connection with said shaft, a spring within the body adapted to rotate the shaft, an element secured on said shaft and provided with a shoulder, a latch carried on the body resiliently urged to engage said shoulder to prevent rotation of the shaft by the spring, and trip means adapted to move the latch out of engagement with said shoulder to permit the spring to turn the shaft, said trip means including a slidable element positioned remote from said body.

2,581,061
PROCESS FOR DESULFURIZING HYDROCARBONS WITH A MIXTURE OF FERRIC AND CHROMIC OXIDES
Alan C. Abeel, Jr., Roselle, and Henry J. Hibshman, Plainfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 26, 1949, Serial No. 129,698
1 Claim. (Cl. 196—28)

Process for desulfurizing hydrocarbon mixtures containing sulfur which comprises passing the hydrocarbon mixture over a mixture of ferric and chromic oxides prepared by treating a 2 to 1 mixture of ferric and chromic chlorides with ammonium hydroxide at a pH of about 8 to 9, drying the resulting precipitate at about 200° F. for about 18 hours, washing the dried precipitate with water, heating the washed precipitate at about 250° F. for about 64 hours and then at about 800° F. for about 2 hours.

2,581,062
HANDLE STRUCTURE
Albert Edward Allen, Utica, N. Y., assignor to Utica Cutlery Company, Utica, N. Y.
Application August 30, 1948, Serial No. 46,895
8 Claims. (Cl. 30—164)

1. A handle structure comprising a plate at least one end of which is partially severed from an adjacent portion thereof and is dished above said adjacent portion to provide a hollow raised end open from its hollow to the front of said adjacent portion, and a grip member accurately



fitting against and supporting the inner surface of said hollow end, overlying the front of said adjacent portion and extending integrally thru and fitting the opening into said hollow end.

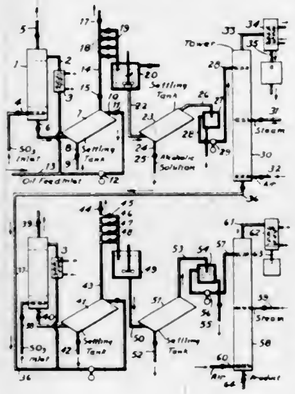
2,581,063
GEOPHONE
Warren A. Alexander, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 16, 1950, Serial No. 150,097
3 Claims. (Cl. 177—352)



1. A geophone having greater sensitivity to vertical seismic impulses than to horizontal seismic impulses comprising a permanently electrified body having a curved surface, an electrically conductive body having a curved surface, corresponding in general shape to said first curved surface, one of said surfaces being essentially spherical concave and the other of said surfaces being essentially spherical convex, and spring means elastically supporting one of said bodies above the other body in a manner positioning said curved surfaces in non-touching, substantially parallel concentric relation.

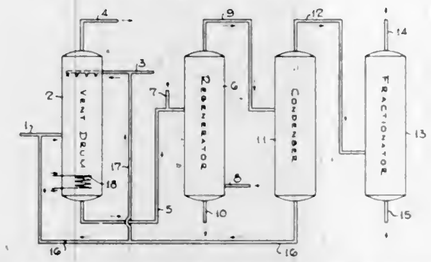
2,581,064
TREATING OIL WITH SULFUR TRIOXIDE
Francis M. Archibald, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 5, 1948, Serial No. 31,295
2 Claims. (Cl. 196—40)

1. Process for the treatment of petroleum



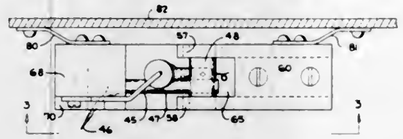
distillates containing sulphur trioxide reactive constituents which comprises contacting said petroleum distillates in a series of consecutive treating stages with a gas comprising sulphur trioxide, adding to said petroleum distillates fed to the first stage an oil substantially free from sulphur trioxide reactive constituents before treatment with the sulphur trioxide in said first stage, removing the acid oil and sludge from said first stage and separating a fluid sludge from the acid oil, neutralizing said acid oil and further treating the neutralized oil with additional sulphur trioxide in a subsequent stage.

2,581,065
METHOD OF PURIFYING ISOBUTYLENE BY SULFURIC ACID EXTRACTION
Walter A. Arnold, Songeigerong, Palembang, Sumatra, Netherland East Indies, assignor to Standard Oil Development Company, a corporation of Delaware
Application July 7, 1948, Serial No. 37,398
10 Claims. (Cl. 260—677)



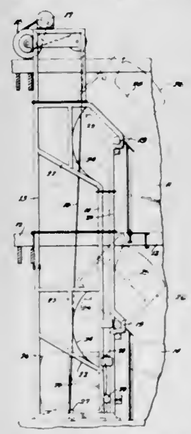
1. A process for the production of isobutylene which comprises contacting a C_4-hydrocarbon stream containing isobutylene, normal butenes, butanes and butadiene at a temperature of 60 to 120° F. and at a pressure of 80 to 150 p. s. i. g. with an acid to form an isobutylene acid extract, adding tertiary butyl alcohol to the extract in a vent drum while still under pressure, reducing the pressure on the extract to approximately 1 to 14 p. s. i. absolute, whereby physically dissolved and mechanically entrained hydrocarbons, including normal butenes, butanes and butadiene, are released from the extract, and thereafter recovering isobutylene from the acid extract.

2,581,066
ELECTROMETER TRANSDUCER WITH DUAL MODE OF OPERATION
Howard W. Ashton, South Ardmore, Pa., assignor to Oliver W. Storey, trustee for the partnership of O. W. Storey & Associates, Chicago, Ill.
Application August 12, 1948, Serial No. 43,941
19 Claims. (Cl. 179—100.41)



1. A transducer having both inertia and mechanical modes of operation, comprising a base, a vibratable member carried on said base, a capillary electrometer including an elongated sealed insulating envelope containing interface forming liquids and current lead-ins, said envelope being predominately of rigid material but having a resilient wall portion in pressure communication with the interface forming liquids, means for coupling said vibratable member and the rigid part of said envelope to cause said envelope to move longitudinally thereof so that, at higher frequencies, inertia tends to maintain the liquid contents fixed in space, thus providing an inertia mode of operation as the dominant capillary transducer action, a finger carried by said base and so coupled to said resilient wall portion, that, at lower frequencies, the positive movement of said envelope causes said finger to vibrate said resilient wall portion and thus provides a mechanical mode of operation as the dominant capillary transducer action, the mechanical mode of operation growing smaller and the inertia mode of operation growing larger as the frequency increases from a low to a high value.

2,581,067
MULTIPLE LEVEL DUMP STRUCTURE
Fred J. Avery, La Grange, Ill., assignor to Materials Transportation Company, Chicago, Ill., a corporation of Illinois
Application February 25, 1950, Serial No. 146,277
10 Claims. (Cl. 214—120)



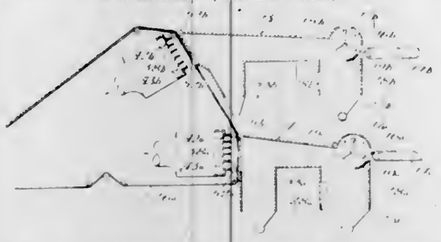
1. A multiple level dump structure comprising a plurality of vertical parallel tracks having gaps therein at a desired dumping level, a carriage having followers thereon fitting between and engaging the tracks to guide the carriage for vertical movement along the tracks, the followers being movable through the gaps respectively, offset guide members associated with the gaps in the tracks to engage the followers and guide the carriage through a tilting movement, track segments fitting the gaps in the tracks, pivot rods parallel to but spaced from the tracks respectively, arms carried by the pivot rods and carrying the respective segments, and linkage connecting the pivot rods simultaneously to turn them in opposite directions such that the segments swing toward each other out of the gaps in the tracks.

2,581,068
OXIDATION OF DICYCLIC HYDROCARBONS
Leland K. Beach, Mountainside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 12, 1948, Serial No. 43,965
9 Claims. (Cl. 260—342)

1. A catalytic, vapor phase process for the preparation of phthalic anhydride which comprises oxidizing a petroleum hydrocarbon fraction of boiling range 165–185° C. containing sub-

stantial amounts of hydrocarbons having the indene nucleus in the presence of a vanadium oxide catalyst at temperatures above 400° C.

2,581,069
APPARATUS FOR PRODUCING AIRLAID FIBROUS WEBS
Elmer C. Bertolet, Jr., Manheim, Pa., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application September 24, 1945, Serial No. 618,247
6 Claims. (Cl. 19—156)



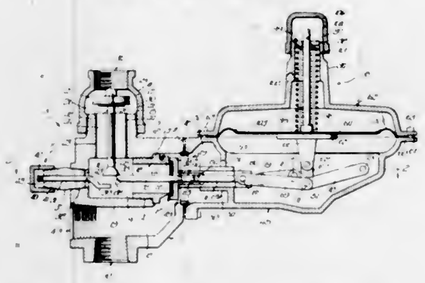
1. In an apparatus for forming airlaid fibrous web, a pair of deposition chambers having air inlet and outlet openings, a continuous foraminous conveyor belt for movement past the air outlet openings of said deposition chambers, blower means for drawing a stream of air through each deposition chamber and said conveyor belt, fiberizing means disposed at the air inlet ends of each of said deposition chambers for opening the fibrous material and projecting same into their respective air streams in a fluffed-up condition for distribution upon said conveyor belt as same moves past the respective air outlet openings of said deposition chambers, a dirt discharge chamber formed in each deposition chamber below said fiberizing means to receive relatively heavy particles of material dropping by gravity from a fiber charged air stream, said air inlet openings for said deposition chambers being formed in the side walls defining the dirt discharge chambers.

2,581,070
FORMATION TESTER
Robert H. Blood, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 6, 1948, Serial No. 6,780
6 Claims. (Cl. 166—10)



1. Apparatus for use in testing a borehole to determine the presence of possible oil bearing formations which comprises supporting means adapted to be connected to a drill string, a pair of concentrically disposed elastic bags fixed to said supporting means and defining between them an annular chamber, pelleted packing material maintained within said annular chamber, a permeable membrane comprising a portion of the wall of the outer of said pair of elastic bags, a conduit connecting the interior of the drill string with the interior of the inner of said pair of elastic bags, said conduit having a valve permitting the flow of fluid from the interior of the drill string to the interior of said inner elastic bag and preventing fluid flow in the opposite direction, and a conduit connecting the interior of the drill string with said annular chamber, said last named conduit having a valve permitting flow of fluid from said annular chamber to the interior of the drill string and preventing fluid flow in the opposite direction.

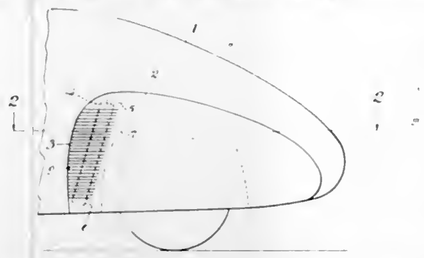
2,581,071
SHUTOFF VALVE
Paul L. Born, Wilmette, Ill.
Application June 7, 1950, Serial No. 166,709
16 Claims. (Cl. 50—5)



1. A valve construction, comprising a hollow housing having a gas inlet and outlet, a valve seat in said housing, a valve mounted for sliding movement toward and away from said valve seat to engage and disengage the same, a rod means disposed in said housing, extending beneath said valve to support the same and mounted for transverse movement relative to said valve for disengagement therefrom, a second valve means associated with and concentrically surrounding said rod, said second valve means being independently movable relative to said first mentioned valve along an axis common with said rod to meter and interrupt the passage of said gas through housing from said inlet to said outlet with movement of said second valve to a predetermined position causing disengagement of said rod and said first mentioned valve to close the latter.

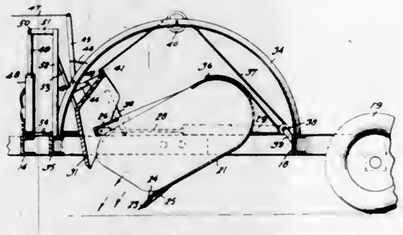
2,581,072
REAR FENDER ACCOMMODATION OF RADIATOR FOR REAR ENGINE VEHICLES
Rudolf Březek, Prague-Smichov, Czechoslovakia, assignor to Tatra narodni podnik, Koprivnice, Czechoslovakia
Application February 27, 1948, Serial No. 11,784
In Czechoslovakia April 16, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 16, 1966
3 Claims. (Cl. 180—54)

1. In a motor vehicle having a rear body portion with a compartment for the engine, mudguards for the rear wheels extending laterally from the sides of said rear body portion, a radiator arranged within each mudguard directly in front of each rear wheel, the portion of the mudguards in front of the radiator being provided



with shutter-like openings for the inlet of air, and pipe lines connecting said radiator with the engine compartment to permit a circulation of the engine cooling water through said radiators.

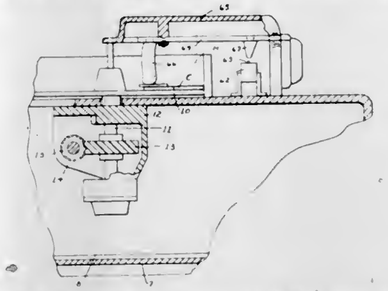
2,581,073
APRON CONTROL FOR EARTH MOVING APPARATUS OF THE CARRY TYPE
Paul G. Brower, Toppenish, Wash.
Application May 27, 1949, Serial No. 95,836
1 Claim. (Cl. 37—129)



An apparatus of the character described comprising a wheeled frame, a yoke pivotally connected with said frame, a scoop pivotally connected to the frame, a gate pivotally connected to the scoop, remotely controlled hydraulic means for vertically moving the pivotal connection between the frame and the yoke and automatic means for lifting the gate when the scoop is lowered, said means including an inverted semicircular shaped support centrally affixed to the frame and extending over said gate and scoop, a pulley carried at the upper end of said support, a pulley carried by the frame adjacent the rear end of said support, and a cable interconnecting the upper end of said scoop with the upper end of said gate and entrained over both of said pulleys.

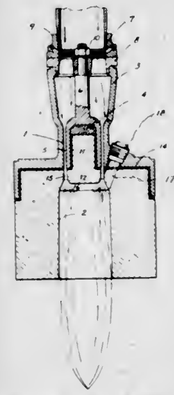
2,581,074
FEED CONTROL FOR COUNTING MACHINES
Arnold R. Buchholz and Walter A. Barganz, Watertown, Wis., assignors to Brandt Automatic Cashier Company, Watertown, Wis., a corporation of Wisconsin
Application November 15, 1946, Serial No. 709,962
3 Claims. (Cl. 133—8)

1. In a coin counting machine having a hopper provided with a horizontally disposed rotary plate forming the bottom thereof and by which articles introduced into said hopper in bulk are rotated and distributed as layers of coins and carried out to the peripheral portion of the plate by centrifugal force, the combination with a storage receptacle for coins to be counted, of an electric motor, an electric circuit including a source of current for said motor, means operated by said motor for delivering a coin from said receptacle to said hopper, a depending oscillatory finger mounted above said plate inwardly of its peripheral portion and operable by articles in bulk in said hopper as the layers of coins are carried around by said plate and build up on said plate to an overload condition sufficient to engage said finger, switch mechanism in said circuit control-



ling the starting and stopping of said motor, and an operative connection between said finger and said switch mechanism to open said switch mechanism to stop said motor when said finger is moved by a coin moving under said finger when the hopper tends to become overloaded and to permit closing of said circuit to said motor by said switch mechanism when said hopper becomes underloaded.

2,581,075
GAS BURNER INCLUDING COMBUSTION TUNNEL
Robert M. Buck, Cleveland, Ohio, assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio, a corporation of Delaware
Application May 26, 1948, Serial No. 29,272
2 Claims. (Cl. 158—99)



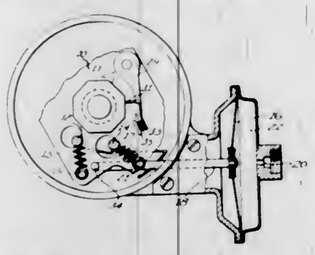
1. In a burner of the class described: body means having a straight through opening leading from an inlet for combustible gas mixture, and including an elongated substantially cylindrical combustion tunnel portion open at its downstream end, an elongated relatively restricted neck portion leading toward the upsteam end of said tunnel portion, and a relatively short flaring portion interconnecting said tunnel and neck portions and providing a zone of divergence in flow from said neck portion and to said tunnel portion, and plug means fixed within said opening to provide a narrow elongated annular passageway through said neck portion for discharge into said tunnel portion by way of said zone, said plug

means extending convergently downstream beyond said neck portion, and having its downstream end located within said zone, and there formed with a flat central face and a rounded edge about said face.

2,581,076
DECORATED WALLBOARD AND METHOD OF MAKING THE SAME
Thomas P. Camp, Arlington Heights, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 1, 1946, Serial No. 651,381
9 Claims. (Cl. 154—86)

1. The method of producing decorated gypsum board, which comprises applying a decorative pattern and a protein base coating material to a surface of a sheet of paper, drying said coated and decorated sheet, applying said dried decorated and coated paper to one surface of a plastic slurry of gypsum base core material having a substantial proportion of water, forming a laminated board therefrom and subjecting said board to an elevated drying temperature so as to expel at least part of said water from said board as vapor through said coated and decorated surface.

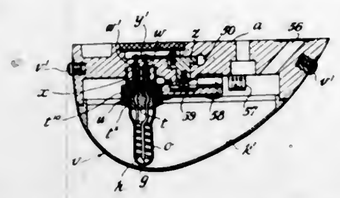
2,581,077
SPRING SUPPORT FOR IGNITION CIRCUIT BREAKERS
Clifford Colvin, Detroit, and Eugene C. Bettoni, Bloomfield Hills, Mich., assignors to Holley Carburetor Company, Detroit, Mich., a corporation of Michigan
Application March 8, 1951, Serial No. 214,613
1 Claim. (Cl. 200—30)



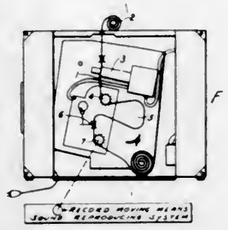
In an ignition device a detachable, rotatable ignition circuit plate, a spring engaging said plate, an anchor pin connected to the stationary end of said spring, a flexible diaphragm and a connecting rod leading from said diaphragm to said plate to cause the plate to rotate slightly, the improvement which consists of a spring cradle anchored to said anchor pin and supporting said connecting rod, an upturned end to said rod, an opening in said plate so located that the connecting rod snaps into said opening under the influence of said spring cradle.

2,581,078
SAFETY DEVICE FOR AIRCRAFT
Albert Henry Corfield, Sidcup, and Edward Ernest Chapman, Deptford, England, assignors, by mesne assignments, to Cathodeon Limited, Engineers, Cambridge, England, a British joint-stock company
Application December 11, 1944, Serial No. 567,700
In Great Britain November 4, 1943
4 Claims. (Cl. 200—52)

1. In an electrically-controlled fire-fighting installation for aircraft, a crash-detector device comprising an outer casing of frangible material having an elongated tubular form, a rod electrode enclosed within said outer casing and extending substantially coaxially of the casing and for substantially the entire length thereof, a coiled electrode surrounding and spaced from said rod and extending for substantially the full length thereof, the two electrodes being located within said outer casing with a space between said outer coiled electrode and the wall of said frangible outer case less than the space between said coiled electrode and said rod electrode, the arrangement being such that in the event of a crash the outer frangible case will be broken to allow the said coiled electrode to contact said rod electrode.

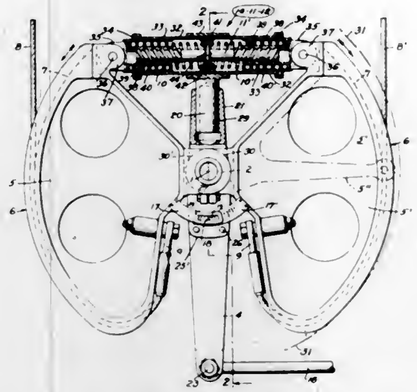


2,581,079
TALKING MACHINE COMBINED WITH A STILL PROJECTOR AND FILM STRIP THEREFOR
Julien Henri Coutelen, Levallois Perret, France, assignor, by mesne assignments, to Dukane Corporation, a corporation of Illinois
Application February 12, 1948, Serial No. 7,754
In France July 25, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires July 25, 1959
6 Claims. (Cl. 88—28)



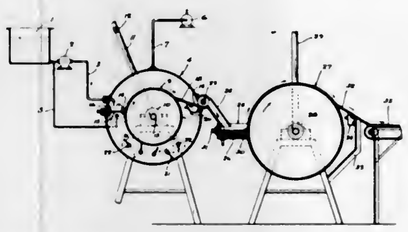
1. A strip of film for still projection in a combined sound reproducing and picture projecting system, said film having a picture track and a control track along the length of said film, said picture track having a plurality of still pictures disposed at regular intervals along a predetermined length of the film strip for successive projection for irregular periods of time, said control track having an effective control length along a different predetermined length of said film strip, said control track having spaced, discrete deformations successively disposed along the control track length, each deformation corresponding to a still picture and functioning to initiate an exposure cycle for its corresponding picture for a period of time directly proportional to the distance along the control track up to the succeeding deformation, when a new picture is to be projected, the part of a control track which is effective for its corresponding picture being movable in said system at a speed directly proportional to the speed of a sound track in the sound reproducing part of the system.

2,581,080
CONTROL LINE COMPENSATING APPARATUS
Clifford E. Cushman, Burbank, Calif., assignor to Sturgess, Inc., Glendale, Calif., a corporation of California
Application December 27, 1946, Serial No. 718,677
41 Claims. (Cl. 74—501.5)



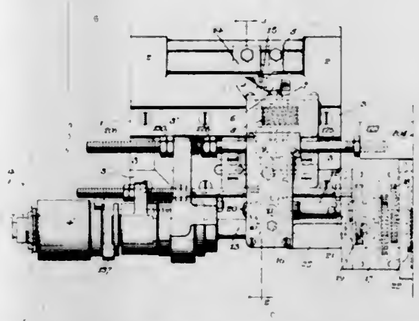
1. A control line compensating device comprising a pair of relatively movable members, means mounting said members for arcuate movement, means for connecting a pair of force transmitting control lines respectively to said members in a manner for movement of said members only in opposite directions relatively as said control lines both lengthen or both shorten, and means automatically tending to hold said members against such relative movement when one of said control lines is under substantially greater working stress than the other.

2,581,081
GLUE DRYING PROCESS
Anson W. De Vout, La Grange, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Application March 29, 1947, Serial No. 738,035
13 Claims. (Cl. 159—49)



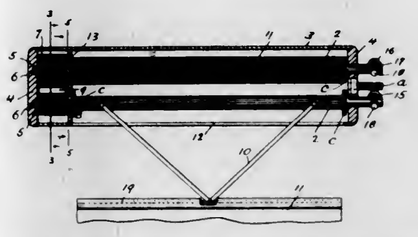
9. The process of forming a dry gel from a liquor extracted from gelatinous material of animal origin which maintains the initial gel strength of said material comprising evaporating said liquor at subatmospheric pressure by contacting a thin film of the liquor with a heated surface while coordinating the temperature of the heated surface and the time of contact to concentrate said liquor to a percentage weight concentration of its solids within the range of about 35 per cent to 70 per cent and a maximum temperature of 165° F., chilling a thin continuous film of the concentrated liquor to a point slightly below its melting point to form a gel, and drying the formed gel with natural atmospheric air.

2,581,082
LEAD SCREW THREADING ATTACHMENT
Alfred E. Drissner and Robert Beacom, Cleveland, Ohio, assignors to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application March 8, 1946, Serial No. 652,841
7 Claims. (Cl. 10—105)



1. In an automatic multiple spindle machine, the combination of an auxiliary threading attachment having a slide and adapted to be attached to said machine and having a rotary die or tap spindle shifted by suitable mechanism and also having a lead screw for shifting the die or tap spindle, and means for automatically throwing said lead screw into and out of operation and embodying a solenoid operated mechanism, tripping means and cam means controlling the operation of said solenoid, one of said tripping means and cam means carried by the slide.

2,581,083
MAP HOLDER
Victor Percy Drury, York County, Ontario, Canada
Application May 31, 1949, Serial No. 96,349
6 Claims. (Cl. 40—85)



1. In combination a coil spring composed of two coiled sections and an intermediate section coupling said coiled sections together; two spindles in parallel relationship, one at least being rotatable both spindles functioning independently of the other; a suitable housing for said spindles and spring, one of said sections being coupled to one of said spindles, and the other coiled section being coupled to the other spindle a map wound around the rotatable spindle, and a stationary retainer spacer unit in said housing located adjacent the inner sides of said coil sections and immediately between one of said coil sections and said map.
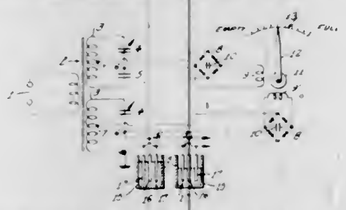
2,581,084
DRAGGING EQUIPMENT DETECTOR FOR RAILROADS
George H. Dryden, Baltimore, Md., assignor to General Railway Signal Company, Rochester, N. Y.
Application March 1, 1947, Serial No. 731,735
10 Claims. (Cl. 246—219)

1. In a signaling system for a stretch of railway track divided into a plurality of adjoining



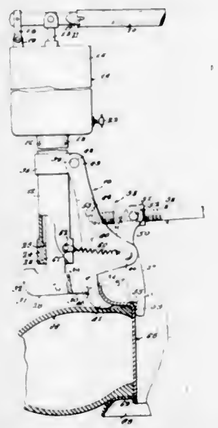
track sections, a wayside signal manually controlled from a control office for governing passage of a train in a given direction, manually operable means at the control office for designating respective stop and proceed controls for said signal, a yieldable detector barrier disposed across the trackway in a particular track section in the rear of said signal so as to be actuated by dragging equipment of a train proceeding in said given direction, a contact operated by the actuation of said barrier, normally inactive indication means at the control office, and electro-responsive means effective to render said indication means active in response to the operation of said contact, said means being rendered effective only if said particular track section is occupied by a train at the time when said contact is operated whereby the rendering active of said indication means advises the operator that said manually operable means should be operated to designate a stop control for said signal, and whereby accidental actuation of the barrier when no train is present within the associated track section is ineffective to cause an erroneous indication for the operator.

2,581,085
LIQUID LEVEL GAUGE
Abraham Edelman, New York, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware
Application February 1, 1945, Serial No. 575,664
16 Claims. (Cl. 73—304)



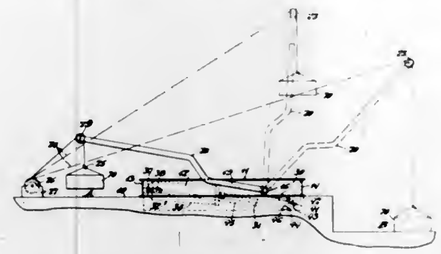
1. Apparatus for indicating the level of non-gaseous fluids in a container adapted for use from time to time in indicating the levels of different fluids, comprising an electric indicating instrument, at least two electric circuits for controlling the indication of said instrument, said circuits being adapted to be energized by a single source of alternating current, a condenser including spaced electrodes substantially vertically arranged in said container, so that said electrodes will be immersed in the fluid in said container to an extent dependent upon the level of the fluid therein, whereby the capacitance of said condenser will vary with the level of the fluid in said container, conductors connecting said condenser in one of said circuits, a comparison condenser including electrodes similarly connected in the other of said circuits and having its electrodes substantially completely immersed in a fluid which has substantially the same dielectric values as the fluid in the container throughout the range of ambient conditions to which the entire apparatus may be subjected during operation of the apparatus, said comparison condenser being positioned so as to be subject to the same ambient conditions as the first named condenser, said comparison condenser being adapted for change of its associated fluid to maintain the aforesaid relationship of the dielectric values whenever the first named condenser is to be used with a different fluid, and a variable reactance connected in each of said circuits to balance said circuits and to provide a zero, set-up adjustment for said indicating instrument.

2,581,086
PIVOTALLY SUPPORTED TIRE BEAD FORCING DEVICE
Eli E. Edenfield, Lakeland, and Ernest M. Gabriel, Jacksonville Beach, Fla.
Application September 7, 1948, Serial No. 48,076
5 Claims. (Cl. 157—1.17)



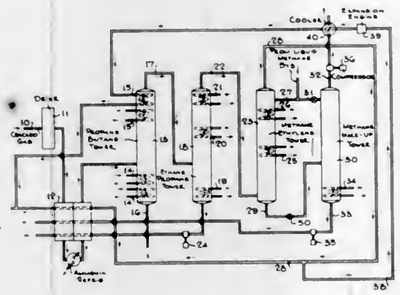
1. A machine for forcibly removing a pneumatic tire from its rim comprising a tubular guide, a rod reciprocally disposed therein, a presser element fixed to one end of said rod and disposed beyond an end of the tubular guide, a clamp swingably supported on said tubular guide for movement toward and away from the presser element, said clamp having a claw adapted to be inserted between a side wall of a tire and a stationary flange of the tire rim, and a swingably mounted rim engaging element forming a part of said clamp and provided with a notched portion for engagement with the opposite, inner side of said rim flange and the inner surface of the rim bed for holding the claw in an applied position, and means for projecting said rod relatively to the tubular guide for causing said presser element to initially ride over a portion of the outer side of said claw and into engagement with the side wall of the tire engaged by said flange, said tubular guide being swingable inwardly of the clamp for moving said presser element inwardly and toward the rim and beyond said claw, and said presser element being movable with said rod when advanced toward a projected position, relatively to the tubular guide, for forcing the tire off of the side of the rim remote to the flange engaged by said clamp.

2,581,087
HOISTING APPARATUS
Lourie L. Eakin, Ventura, Calif.
Application December 22, 1947, Serial No. 793,163
11 Claims. (Cl. 212—8)



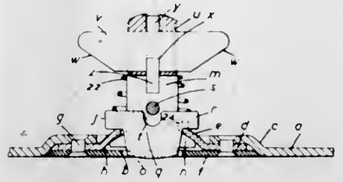
1. In a hoisting apparatus: a support; a boom pivoted transversely of said support and adapted to move through an arc to opposite, substantially horizontal positions and to positions intermediate said opposite positions, said boom having an arm projecting from its pivotal end; cam means pivoted on said support and adapted when pivoted in one direction to engage the free end of said arm so as to pivot the same and said boom through a portion only of said arc; and power means operatively connected to said cam means for pivoting the same, said power means being also connected to said arm and operative in response to the completion of the pivotal movement of said cam means in said one direction to pivot said arm and said boom through the remainder of the said arc.

2,581,088
FRACTIONATION OF GASEOUS MIXTURES
Lewis D. Etherington, Bayonne, and Harold W. Scheeline, West Orange, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application November 3, 1947, Serial No. 783,834
3 Claims. (Cl. 62—2)



1. A method of supplying the heat requirements in the fractional distillation of a mixture of normally gaseous hydrocarbons which comprises passing the said normally gaseous hydrocarbons into a distillation zone having at least two extraneously controlled heating media below the point of feed inlet maintained at different temperature levels.

2,581,089
TURN BUTTON FOR AIRCRAFT COWLINGS
Arthur Evans, Southall, and William Edmund Edwards, London, England, assignors to The Fairey Aviation Company Limited, Hayes, England
Application May 10, 1946, Serial No. 668,646
In Great Britain October 12, 1945
6 Claims. (Cl. 24—221)

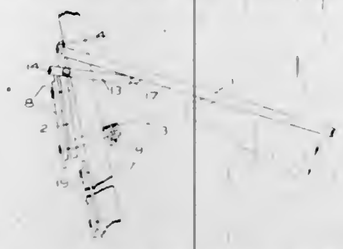


1. A fastening device for attaching a cowling or the like having an opening therein to another member while providing a substantially smooth and unbroken outer surface on the cowling at the point of attachment, comprising a seating having a hole therein positioned at said opening and extending inwardly with regard to the cowling, said seating having at least two notches positioned in its inner portion, a shank positioned within said hole and having at its inner end a threaded portion and at its outer end an enlarged head engaging the outer surface of said seating, a first locking member carried by said shank and movable only axially relative thereto, said first locking member having portions engageable with said notches, and having a portion accessible from the outside of said cowl to permit urging of the locking member inwardly to disengage the locking member from said notches, an attaching member threaded on the inner end of said shank and thereby adapted to be movable to a plurality of positions relative to the shank, a second locking member carried by said shank and movable with regard thereto only in an axial direction, said second locking member being engageable with said attaching member to secure the attaching member against rotation relative to said shank, and spring means positioned between said first and second locking members to urge the first locking member into engagement with said seating, and to urge the second locking member into engagement with said attaching member, whereby said shank may be rotated to rotate said attaching member only after movement of said first locking member against the spring pressure out of engagement with said notches, and whereby said attaching member is adjustable along the shank by movement of said second locking member against said spring pressure out of engagement with the attaching member.

2,581,090
FRAME BUILDING DISMANTLING TOOL
Henry Phillip Fehler, Wolseley, Saskatchewan, Canada
Application February 6, 1950, Serial No. 142,586
4 Claims. (Cl. 254—131)

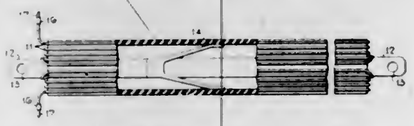
1. A frame building dismantling tool providing a handle with pressure applying arm fixed thereto at one end thereof at an acute angle in relation to the handle, and a heel plate at the junction of said arm and handle, fixed to the outer side extending transversely thereof and project-

ing outwardly on both sides of the handle and pressure applying arm, said heel plate having



tapered end portions terminating in sharpened edges.

2,581,091
CONTINUOUS LINE SEISMOMETER
Paul H. Foster, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 21, 1950, Serial No. 191,427
5 Claims. (Cl. 177—352)



1. Improved portable seismometer of the continuous line type comprising an elongated elastic flexible tubular supporting member, a plurality of elongated parallel conductors supported by the walls of said supporting member, a central elongated conductor elastically supported longitudinally of said supporting member, means for introducing a direct current into said central conductor and means for collecting an induced current from said plurality of parallel conductors.

2,581,092
OLEFIN-DIOLEFIN COPOLYMERS AND MERCAPTAN ADDUCTS
John D. Garber, New York, N. Y., and William C. Hollyday, Jr., Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 2, 1948, Serial No. 364
2 Claims. (Cl. 252—45)

1. A product consisting essentially of an oil soluble condensation product of a copolymer of about two parts by weight of octadecene and about one part by weight of butadiene condensed with an excess of tetradecyl mercaptan, said copolymer being formed by subjecting the octadecene and the butadiene to a temperature within a range of from 32° F. to 45° F. in the presence of a Friedel-Crafts catalyst.

2,581,093
SPEED RESPONSIVE GENERATOR
Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 21, 1950, Serial No. 139,937
7 Claims. (Cl. 171—209)

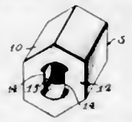
1. In an alternating current generator, a yoke member, a primary core structure mounted on said yoke and including a plurality of salient pole members each with an energizing winding thereon which is adapted to be energized by a constant source of alternating current, said salient pole members defining an opening therebetween, a secondary core structure positioned within said opening formed by said poles of said primary core structure and mounted on said yoke to define an annular air gap between said primary and secondary core structures, a plurality of outwardly projecting pole members formed on said secondary core structure and having a winding thereon so positioned as to be in substantially non inductive relationship with said primary energizing winding and terminating in a pair of output terminals, a cup shaped member of electrically conductive material positioned in said annular air gap encircling said secondary core structure and adapted to be rotated within said air gap to provide an inductive linkage between said primary and secondary windings, and means for rotating said cup shaped conductor.



2,581,094
PREPARATION OF DRYING OILS
Anthony H. Gleason, Westfield, and Stanley E. Jaros, Rahway, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 29, 1948, Serial No. 51,867
9 Claims. (Cl. 260—666)

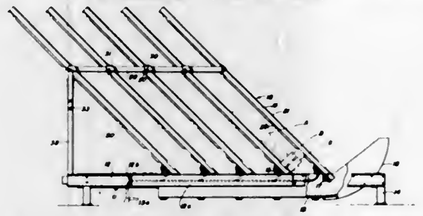
1. In a selective polymerization process for preparing drying oils wherein a conjugated diolefin having 4 to 6 carbon atoms per mollecule is heated in the liquid phase in a reaction zone at a temperature between 50 and 150° C., under superatmospheric pressure and in the presence of a hydrocarbon soluble peroxide catalyst for a period sufficient to convert not more than 80% of the diolefin into a linear oily polymer and not more than 5% into a diolefin dimer, the method of reducing the formation of solid insoluble polymer which comprises continually flushing the entire interior surfaces of the gas space above the liquid level of the reaction zone with at least a portion of the liquid phase.

2,581,095
WRENCH SOCKET
Aimé Godmaire, Montreal, Quebec, Canada
Application May 7, 1946, Serial No. 667,829
1 Claim. (Cl. 81—90)



A socket of the character described, for turning automotive brake anchor pins having an external diametral bar, said socket having a body of outside polygonal shape for engagement by a suitable turning tool, the body being formed with an axial aperture of substantially circular shape and such as to allow penetration of an anchor pin bar therein, and a pair of diametrically spaced jaws projecting inwardly in the axial aperture and having their working faces opposed, said opposing faces being flat and lying along parallel chords of the aperture, the length of said faces along the chords being approximately half the diameter of the aperture, the edges of the jaws perpendicular to said parallel chords being sharp so as to bite into the bar when a turning movement is applied to the socket.

2,581,096
ROCKET LAUNCHER
Albert S. Gould, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application August 13, 1945, Serial No. 610,651
5 Claims. (Cl. 89—1.7)



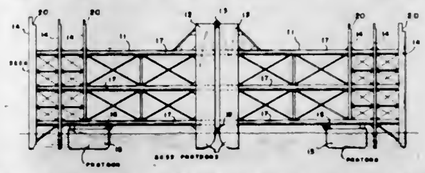
1. A demountable launcher for electrically fired rockets, comprising a base structure including a pair of side members, a rocket blast deflection shield mounted between said side members and terminating in an upturned portion at one end, cross members extending between said side members, electrical contact means carried by said cross members and projecting from one side thereof, a plurality of rocket guiding units separably mounted on said base structure adjacent the contact carrying sides of said cross members, spacer members separably connecting the extended ends of said units to dispose the units in parallel relation, and an electrical contact member carried by each of said units, whereby said contact means and said contact member are adapted to engage rockets supported by said rocket guiding units.

2,581,097
TREATMENT OF MOLTEN STEEL
Frederick J. Griffiths, Massillon, Ohio
No Drawing. Application May 10, 1950, Serial No. 161,264
9 Claims. (Cl. 75—56)

1. The improvement in a method of producing steel in an open hearth furnace which comprises forming a bath of molten metallic iron in the furnace having a layer of a lime slag thereon, and adding sodium nitrate alone onto the slag, the reaction of the sodium nitrate with the lime increasing the temperature of the bath, thereby aiding in transfer of heat through the slag to the molten iron, and aiding in starting the lime boil.

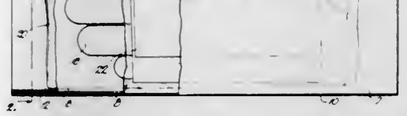
2,581,098
APPARATUS FOR MARINE OPERATIONS
William T. Guenzel, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application July 29, 1949, Serial No. 107,408
7 Claims. (Cl. 61—46)

1. Apparatus for supporting a platform and the like adapted for marine operations which comprises, in combination, a first pair of buoyant members, a pair of template structures, each one of which is rigidly attached at a lower end to one of said buoyant members and at an upper end thereof to one of a pair of platforms supported thereby adapted to form together when connected one substantially horizontal platform when said first pair of buoyant members are in a horizontal position, connection means for said platforms adapted to dovetail same when the platforms assume a horizontal position, hinging means connecting said buoyant members and adapted to assume open and closed positions, said structures being in a substantially horizontal position and said buoyant members and said platforms being in a substantially vertical position



when said hinging means are in an open position and said structures being in a substantially vertical position and said buoyant members and said platforms being in a substantially horizontal position when said hinging means are in a closed position, a second pair of buoyant members each one of which is pivotably mounted to one of said structures at a point intermediate the lower and the upper ends thereof and adapted to support said structures in water with said first pair of buoyant members in the vertical position, and means for submerging and raising both pairs of buoyant members.

2,581,099
FOLDING CONTAINER FOR PURSES OR HANDBAGS
Olive M. Guffey, Kansas City, Mo.
Application May 9, 1949, Serial No. 92,104
2 Claims. (Cl. 150—28)

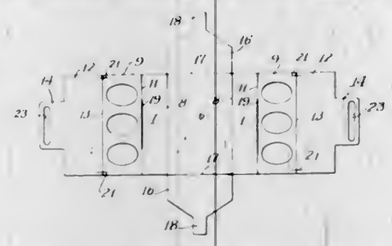


1. A folding container for purses or handbags comprising, a plurality of sheets of resiliently flexible gripping material folded and secured together along an intermediate fold line to provide a plurality of article-receiving compartments and adapted to hold articles by a resilient gripping action in a smooth and urumpled condition within said compartments, the outer sheet of said material forming a closure for the remaining sheets and the compartments formed thereby and being provided with clasp means for securing the container in folded and closed relation.

2,581,100
BOTTLE CARRIER CONVERTIBLE TO A TOY HOUSE
Edward J. Hennessy, Chicago, Ill., assignor to Ray A. Washburn, Chicago, Ill.
Application August 6, 1949, Serial No. 109,022
6 Claims. (Cl. 46—11)

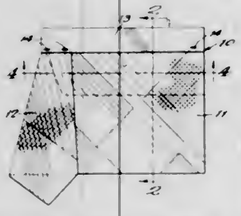
1. A toy house formed from a bottle carrier, comprising a sheet of cardboard cut and scored

to form a base, side walls hinged to opposite sides of said base, an apertured section hinged to the upper edge of each side wall, the sheet of cardboard being formed with a slot at the intersection of each side wall and apertured section, a roof section hinged to the upper edge of each apertured section overlying and covering its respec-



tive apertured section, and handle sections hinged to said roof sections and inserted through said slots, and end walls hinged to the opposite ends of said base and extending between said side walls and projecting to said apertured sections and supporting them and their overlying sections in roof forming position.

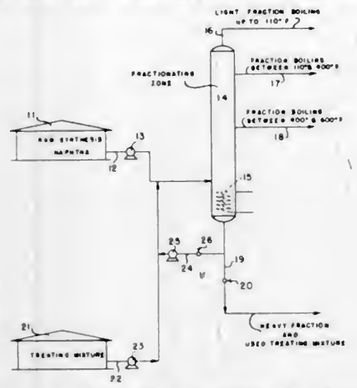
2,581,101
NECKTIE MATERIAL DISPLAY DEVICE
Julius A. Hirsch, Chicago, Ill., assignor to Cutter-Cravat, Inc., a corporation of Illinois
Application March 31, 1948, Serial No. 18,217
1 Claim. (Cl. 35—55)



A necktie material display device comprising, a sheet of necktie material having one side portion thereof folded to simulate a necktie and the unfolded portion to display the material, a supporting strip receiving the upper edges of the folded and unfolded portions of the necktie material therein, and means for securing the necktie material in the supporting strip.

2,581,102
REMOVAL OF OXYGENATED ORGANIC COMPOUNDS FROM HYDROCARBONS
Linnie P. Hodges, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application October 25, 1948, Serial No. 56,447
3 Claims. (Cl. 260—450)

1. A method for removing oxygenated organic compounds from a raw feed naphtha obtained from the synthesis of carbon monoxide and hydrogen over an iron catalyst which comprises mixing said raw feed naphtha as a liquid with a liquid treating reagent consisting of 90% to 50% by weight of a polyethylene glycol having a molecular weight in the range between 400 and 4000 and 10% to 50% by weight of an alkali metal hydroxide to form a liquid mixture, charging said liquid mixture into a fractionation zone and there heating it to cause fractions boiling up to 600° F. to vaporize in the fractionating zone, condensing the fractions boiling up to 600° F. out of contact with said treating reagent and unvapor-



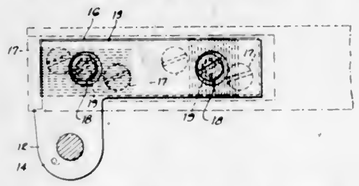
ized portions of the feed naphtha to secure condensate substantially free of oxygenated compounds, and removing said condensate from the fractionating zone.

2,581,103
WINDSHIELD CLEANER
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application June 19, 1945, Serial No. 600,311
4 Claims. (Cl. 15—245)



1. A wiper blade comprising a channeled holder having a crowned back wall with an opening therein, an attaching element seating on the exterior crowned surface of the holder and having an anchoring portion extending through the opening into the holder channel, the anchoring portion having lateral retaining parts within the channel overhanging the margin of the opening with the laterally inclined side portions of the crowned back wall acting to stress the retaining parts inwardly to urge the attaching element firmly to its seat on the exterior surface of the crowned wall, and a wiping element embraced by the sides of the holder.

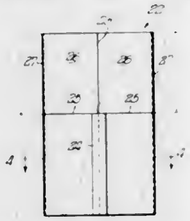
2,581,104
ADJUSTABLE HINGE
George W. Houlsby, Jr., Chicago, Ill.
Application April 20, 1949, Serial No. 88,538
5 Claims. (Cl. 16—129)



2. In a door hinge structure, a plate adapted to be secured to an end of a door and provided

with threaded screw receiving openings, a hinge member adapted to be secured to said plate in face-to-face contact, said member being provided with screw receiving openings, means comprising screws having shanks of smaller diameter than the openings of said member and extending through the same into threaded engagement with the apertures of said plate for securing said hinge member to the plate whereby limited relative adjustment of the hinge member can be effected longitudinally and transversely when said screws are loosened, and banks of longitudinal and transverse serrations on the contacting faces of the hinge member and plate, said longitudinal banks of serrations being arranged for mutual meshing engagement and said transverse banks of serrations being arranged for mutual meshing engagement when the plate and hinge member are in face to face contact and said banks of the hinge member and plate being held in such meshing relation for restraining transverse and longitudinal displacement of the hinge member with respect to the plate when the screws are tightened.

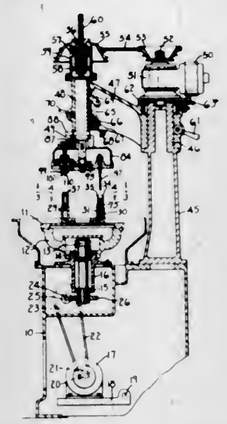
2,581,105
TEXTILE CONTAINER WITH SLOTTED CORNERS
Melvin T. Hunsworth, Collegeville, Pa., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application May 25, 1948, Serial No. 29,166
5 Claims. (Cl. 229—23)



2. A paperboard container comprising opposed box like cover sections open at their inner ends and each having a plurality of angularly related side walls all secured together for substantially their full height and providing corners between them, said sections having relatively short corner slots extending from their inner ends and being disposed with their inner end portions in telescoping relation limited in extent by the length of said slots, the portions of certain of the walls of one of said sections between said slots being flared outward and the portions of the walls of the other section corresponding to the other walls of said one section being flared outward between said slots.

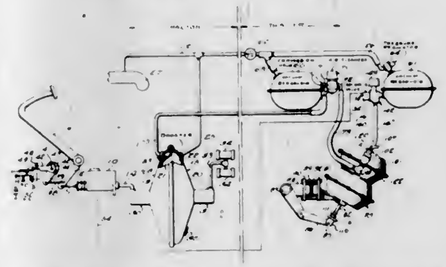
2,581,106
LAPPING MACHINE
Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 26, 1950, Serial No. 202,730
5 Claims. (Cl. 51—131)

1. In a lapping machine having a rotatable lapping wheel including spaced concentric plane-faced lapping annuli, means to rotate said lapping wheel, a work retainer cage between said annuli for simultaneously supporting a plurality of workpieces each having a shouldered face thereon in operative engagement with the operative faces of said annuli, means to hold said cage stationary, and a work driving head having a plurality of synchronously-rotated drivers each



being arranged positively to rotate one of said workpieces.

2,581,107
TRACTOR-TRAILER BRAKE SYSTEM
Jeannot G. Ingres and Edward G. Hill, Richmond, Va.
Application May 10, 1948, Serial No. 26,194
11 Claims. (Cl. 188—3)



1. A vehicle braking mechanism comprising a plurality of differential pressure operated motors each having mechanical connections for operating one of the brakes of the vehicle, means for simultaneously energizing said motors, a single differential fluid pressure operated motor having connection with said mechanical connections to simultaneously apply the vehicle brakes, means for energizing said single motor independently of energization of said plurality of motors, and means having a single manually operable element for controlling both of said motor-energizing means, said element having a normal inoperative position from which it is movable to first operate the motor-energizing means of said single motor and then operate said first named motor-energizing means simultaneously with the operation of the motor-energizing means of said single motor.

2,581,108
DRAGGING EQUIPMENT DETECTOR SIGNALING SYSTEM FOR RAILROADS
John J. Jacobus, Greece, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application March 6, 1947, Serial No. 732,781
8 Claims. (Cl. 246—219)

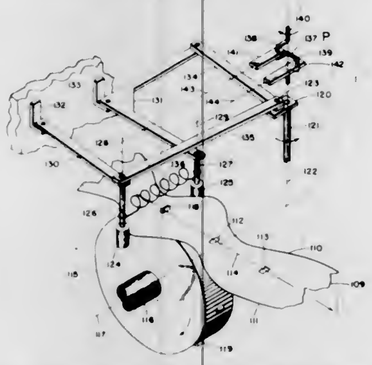
1. In a signaling system for a stretch of railway track having a manually controlled signal

for governing a given direction of traffic and having a plurality of track sections in approach to said signal, a train actuated barrier across said track in one of said track sections, electro-responsive means effective to allow the clearing of said signal in response to a manual control, said



electro-responsive means being effective to put said signal to stop in response to the actuation of said barrier, and circuit means for rendering said electro-responsive means non-responsive to the actuation of said barrier if said barrier is actuated when its associated track section is unoccupied by a train.

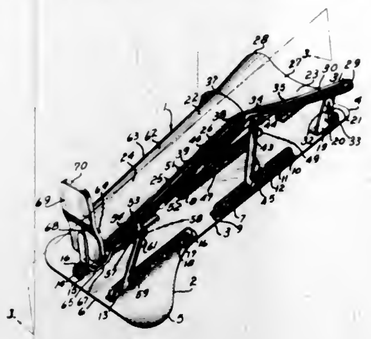
2,581,109
COMPOSITE CAM AND CAM FOLLOWER MECHANISM
Robert L. Kenngott, Pleasantville, N. Y.
Application November 21, 1950, Serial No. 196,763
23 Claims. (Cl. 74—1)



1. In combination, a composite cam and cam follower mechanism wherein relative displacement of a composite cam track past a cam follower mechanism engaged in transit with said track causes a corresponding rotary displacement of an element of said follower mechanism in conformity with such mathematical law of transmitted motion as the combined mechanism may be arbitrarily designed to reproduce; said composite cam comprising at least one movable mechanical element wherein said cam incorporates a set of cam contours, supporting means and guiding means therefor, and common driving means, wherein said composite cam embodies a polyphase set of continuous transverse waves of arbitrary linear extent and constant but not necessarily identical amplitude, displaced in phase with respect to each other, of appropriate waveform and modulated in wavelength so as to represent corresponding polyphase components of a vector of constant length rotating continuously at a non-uniform rate with respect to the longitudinal co-ordinate of the polyphase wave set in conformity with said mathematical law of transmitted motion, each component wave of said polyphase wave set being borne in mechanical cam contour by a movable mechanical element of said composite cam, said movable mechanical element being provided with said supporting means and guiding means whereby the train of wave oscillations of said cam contour is constrained to travel lengthwise of said train past a cam follower mechanism as further described hereinafter, said composite cam incorporating said polyphase set of waves by means of at least one such movable element connected with said common driving means whereby the totality of component wave cam contours co-operates in polyphase unison as a composite multi-curve cam track, the polyphase train of wave oscillations embodied therein being guided in lengthwise transport past a cam follower mechanism engaged in transit with said composite cam track; said cam follower mechanism comprising a mechanical eccentric rotatably mounted and of constant radius of eccentricity wherein it embodies the aforesaid rotating vector of constant length having polyphase vector components of motion individually represented by corresponding component waves of the polyphase wave set, means to couple said mechanical eccentric with a driven load, and composite means to couple said mechanical eccentric phase-to-phase with the composite cam track, said composite means comprising individual mechanical coupling between each vector component of eccentric motion of said mechanical eccentric and the cam contour of a corresponding component wave of the polyphase wave set in mutual conformity with the waveform and phase of said component wave, said individual mechanical coupling in each case terminating at one end in a mechanical cam follower engaged with said component wave cam contour whereby said mechanical eccentric is constrained to rotate in synchronism with the wave oscillations of said cam contour as engaged in transit with said follower, the totality of said individual mechanical coupling co-operating in polyphase combination at such phase intervals as to eliminate the mechanical disadvantage of any dead center condition and ensure an equable phase-distribution of driving torque whereby said mechanical eccentric is constrained to rotate smoothly with passage of the composite cam track; said composite cam and cam follower mechanism co-operating as a mechanical coupling with varying transmission ratio by producing rotation of said mechanical eccentric through one turn per cycle of polyphase wave travel of the composite cam track past the follower mechanism, the number of polyphase wave cycles or wavelengths per unit length of cam track varying along the cam track in conformity with said mathematical law of transmitted motion.

2,581,110
ADJUSTABLE LEG REST FOR INVALIDS
Aurelia E. Kenworthy, Kansas City, Mo.
Application December 24, 1949, Serial No. 134,995
5 Claims. (Cl. 155—169)

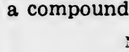
1. A leg rest comprising, an elongated base, an elongated leg support including a plurality of sections, one of said sections being spaced longitudinally from the next adjacent section, means pivotally connecting the spaced sections, means adjacent each end of the leg support and having adjustable connection with the base for adjustably supporting the respective ends of the leg support in selected spaced relation to the base, brace means adjustable in length and connected to the leg support intermediate its ends



and adapted to be clamped thereto, and means on said brace means for adjustably connecting same to the base for supporting the intermediate portions of the leg supporting sections in selected spaced relation with the base whereby the sections are inclined relative to the base.

2,581,111
PROTEIN ADHESIVES CONTAINING DICYANDIAMIDE COMPOUNDS AS FLUIDIZING AGENTS
Chester G. Landes, New Canaan, and John Studeny, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 22, 1948, Serial No. 50,656
11 Claims. (Cl. 106—146)

1. An aqueous adhesive composition consisting essentially of about 5 to 35 percent by weight of an alkali-solubilized protein dispersed in about 95 to 65 percent of water together with from 5 to 30 percent, based on the dry weight of said protein, of a compound of the formula



in which R is a member of the group consisting of hydrogen, alkyl radicals of 1–4 carbon atoms, and monohydroxyalkyl radicals of 2–4 carbon atoms.

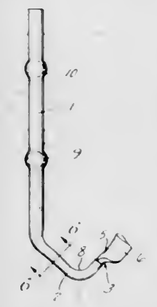
2,581,112
PROTEIN ADHESIVES CONTAINING DICYANIMIDE COMPOUNDS AS FLUIDIZING AGENTS
Chester G. Landes, New Canaan, and John Studeny, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 22, 1948, Serial No. 50,657
11 Claims. (Cl. 106—146)

1. An aqueous adhesive composition consisting essentially of about 5 to 35 per cent by weight of an alkali-solubilized protein dispersed in about 95 to 65 per cent of water together with from 5 to 30 per cent, based on the dry weight of said protein, of a member selected from the group consisting of ammonium and alkali metal salts of dicyanimide.

2,581,113
PROTEIN ADHESIVES CONTAINING DICYANOGUANIDINE COMPOUNDS AS FLUIDIZING AGENTS
Chester Grey Landes, New Canaan, and John Studeny, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 22, 1948, Serial No. 50,658
11 Claims. (Cl. 106—146)

1. An aqueous adhesive composition consisting essentially of about 5 to 35 percent by weight of an alkali-solubilized protein dispersed in about 95 to 65 percent of water, together with from about 5 to 30 percent, based on the dry weight of said protein, of a member selected from the group consisting of ammonium and alkali metal salts of dicyanoguanidine.

2,581,114
SURGICAL DEVICE
Leroy J. Larson, Bagley, Minn.
Application April 13, 1950, Serial No. 155,661
4 Claims. (Cl. 128—79)

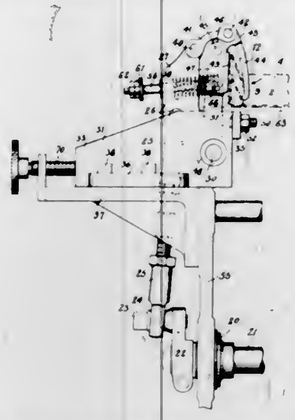


1. In a device of the class described, an elongated elastic body adapted to encircle the penis, a rigid yoke secured to one end of said body and adapted to embrace the ventral portion of the penis and straddle the urethra, cooperating fastening members on the free end of the body and said yoke, and a pressure element associated with the intermediate portion of said body adapted to bring pressure to bear upon the dorsal area of the penis when said fastening members are in locking engagement, the fastening member on the free end portion of the body and said pressure element being longitudinally adjustable on said body.

2,581,115
MACHINE FOR SETTING-UP CARTONS
David Levkoff, Great Neck, N. Y.
Application June 15, 1949, Serial No. 99,297
9 Claims. (Cl. 93—53)

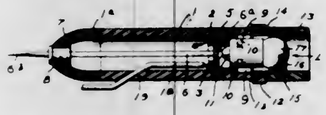
1. In a machine for erecting tray-like cartons, a support for a carton, a bracket at one end of the support, an arm pivotally mounted in the bracket and provided with a face which is brought into contact with an end of the carton by pivotal movement of the arm to thereby fold said end to an upright position, a finger pivoted at the end of said arm, a lever pivoted in the bracket, a link pivoted at one end to the lever and at its other end to the finger, and means coupled to the lever for swinging the same upon its pivot to cause the arm to swing to a position

to fold the end of the carton to an upright position, and then swing the finger downwardly into



the carton to fold down a flap on said end of the carton and direct said flap within the carton.

2,581,116
TEST LIGHT AND SOCKET THEREFOR
Courtney R. Lewis, Mount Holly, Ark.
Application May 7, 1948, Serial No. 25,633
1 Claim. (Cl. 175—183)



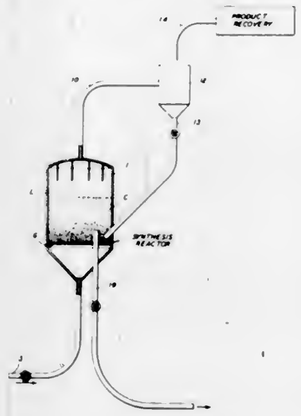
In a test light, the combination of a hollow casing having an inner peripheral shoulder; an insulated gasket mounted in said casing; a metallic cylindrical shell mounted in said casing and having a peripheral flange seated on said shoulder; a resilient insulated plate seated on said flange in said shell and having an orifice, said gasket, said flange and said orifice being co-axial; an electrode passing through said orifice, said flange and said gasket and having a probe on its end exterior said casing and a head seated on said plate in said shell; an electric lamp in said shell and having a pair of electric leads; a slot-and-pin connection between said lamp and said shell to effect press electric contact of said head with one of said leads and electric contact of said shell with the other of said leads; a tubular cap threaded in said casing adjacent said shell and encircling said lamp, and having an inner peripheral flange; a resilient gasket carried by said cap flange and bearing against said lamp when said cap is set up in said casing; and an electric wire connected to said shell and leading from said casing.

2,581,117
TREATMENT OF CRACKED NAPHTHAS WITH A HYPOCHLORITE FOLLOWED BY AN ALKALI SULFIDE
Robert M. Love, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application December 16, 1949, Serial No. 133,318
7 Claims. (Cl. 196—29)

1. A method of treating a cracked hydrocarbon which has been contacted with a hypochlorite solution which comprises contacting said hydrocarbon with an aqueous solution comprising an alkali metal sulfide.

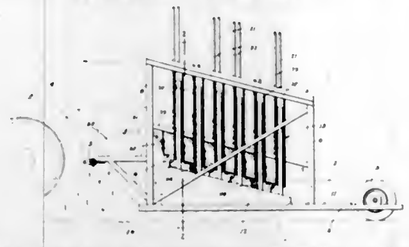


2,581,118
METHOD OF CONTROLLING TEMPERATURES IN A FLUIDIZED CATALYST HYDROCARBON SYNTHESIS PROCESS
Thomas C. Main, Beaumont, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 9, 1947, Serial No. 747,110
4 Claims. (Cl. 260—449.6)



1. A continuous method for synthesizing hydrocarbons which comprises forcing a mixture of carbon monoxide and hydrogen upwardly through a reaction zone charged with a mixture of solid active synthesis catalyst particles and solid diluent particles in fluidized condition in said reaction zone and maintained under synthesis conditions of temperature and pressure, said solid active synthesis catalyst particles being of relatively high specific gravity and of small, fluidizable particle size, said diluent particles having a lower specific gravity than the catalyst particles and having a particle size at least 2 to 3 times the average particle size of the catalyst particles, maintaining said mixture of catalyst particles and solid diluent particles as a dense fluidized bed in the reaction zone with the active catalyst particles disposed in more concentrated form in the upper portion of the dense fluidized bed and the solid diluent particles disposed in more concentrated form in the lower portion of said bed by regulating the superficial velocity of the upflowing gases within the limits of 0.5 to 3.0 ft. per second, thereby equalizing temperature conditions in the dense bed by suppressing the reaction in the lower portion of the bed and removing a crude synthesis product from the upper portion of said reaction zone.

2,581,119
ASPARAGUS HARVESTER
Albert J. Matteoli, Sacramento, Calif.
Application June 19, 1950, Serial No. 169,031
18 Claims. (Cl. 56—327)



1. An asparagus harvester comprising a frame adapted for travel along an asparagus ridge, a bank of feeler units mounted on the frame for travel along each side of the ridge, the feeler units of each bank being positioned to work along different longitudinal paths on the corresponding side of the ridge, each feeler unit being adapted to detect asparagus stalk tips projecting from the ridge in the corresponding path, and a bank of stalk cutting and pick-up mechanisms mounted on the frame for travel along each side of the ridge and being responsive to corresponding feeler units whereby to cut and pick-up stalks in said paths detected by such units.

2,581,120
RUST INHIBITING COMPOSITION
Alfred H. Matuszak, Jersey City, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 5, 1948, Serial No. 25,309
8 Claims. (Cl. 252—51.5)

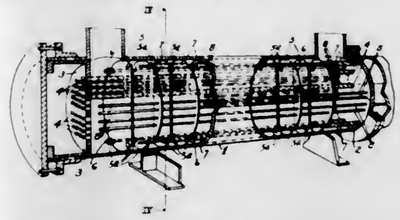
1. A composition consisting essentially of a hydrocarbon solvent containing dissolved therein 0.01% to 10% of a partial ester of a nitroalcohol of the formula

$$R-\overset{R'}{\underset{R''}{C}}-NO_2$$

where R is an alkyl group of 1 to 6 carbon atoms to which is attached at least one hydroxyl group, one of such hydroxyl groups being attached to the carbon atom which is adjacent to the $C-NO_2$ group and R′ and R″ each represent a member of a group consisting of hydrogen, alkyl groups of 1 to 6 carbon atoms, and alkyl groups of 1 to 6 carbon atoms having attached thereto at least one hydroxyl group, one of such hydroxyl groups being attached to the carbon atom which is adjacent to the $C-NO_2$ group said partial ester being derived from a carboxylic acid containing from 6 to 24 carbon atoms per molecule and selected from the group consisting of aliphatic and cycloaliphatic acids.

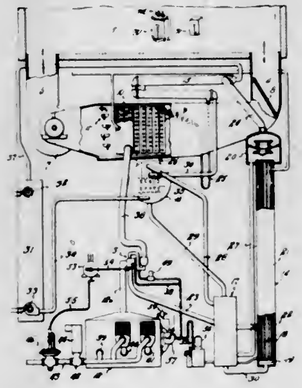
2,581,121
MEANS FOR CHANGING BAFFLE PITCH IN A HEAT EXCHANGER
William N. McCurdy, Jr., Elizabeth, and John V. Whittlesey, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 23, 1947, Serial No. 793,428
2 Claims. (Cl. 257—239)

1. In a heat exchanger, including an exchanger tube bundle having a fixed tube sheet, a floating tube sheet, and a plurality of exchanger tubes connecting said sheets, adjustable baffle means for said tube bundle, comprising a plurality of perforated lateral baffle members disposed in spaced relation longitudinally of said bundle with the exchanger tubes passing through said perforations, said members being slideable along said tubes, slotted portions in spaced relation peripherally of said members and aligned from member to member, a plurality of strip-like



spacer-retainer elements each having lateral slotted portions extending into one edge thereof, said slotted portions adapted to engage the slotted portions of said baffle members with the outer edge of said strip-like elements level with the edges of said members, said element secured at one end to the fixed tube sheet, and at least one annular retainer member encircling the spacer-retainer elements, maintaining said elements in fixed relation to said baffle members.

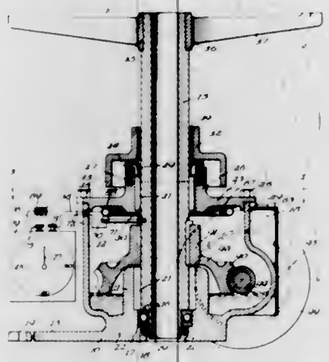
2,581,122
AIR CONDITIONING
Lowell McNeely, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application August 14, 1948, Serial No. 44,381
15 Claims. (Cl. 257—3)



15. Air conditioning apparatus comprising a heating system having a heating element, a heat operated refrigeration system having a cooling element and a heat receiving element, a source of steam, a conduit for delivering steam from said source to the heating system, a conduit for delivering steam from said source to the heat receiving element of the refrigeration system, a selective valve for opening one conduit and closing the other conduit, a by-pass conduit around said selective valve for delivering steam from said source to the heating system and receiving condensate from the heating system, said conduit being formed to provide a liquid trap, a drain from the liquid trap, a valve for closing the drain, an operating device for

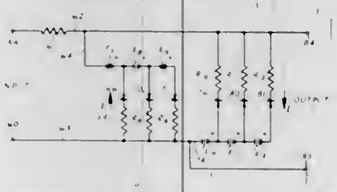
actuating the valve to open the drain, and an electric control circuit comprising a thermostat and humidistat connected to energize the operating device to open the valve when the temperature is below a predetermined value and the humidity is above a predetermined value whereby to dehumidify the air by cooling and reheat the dehumidified air.

2,581,123
GEAR CASING
Bernard J. Merkle, Chicago, Ill.
Application December 13, 1946, Serial No. 716,116
2 Claims. (Cl. 74—606)



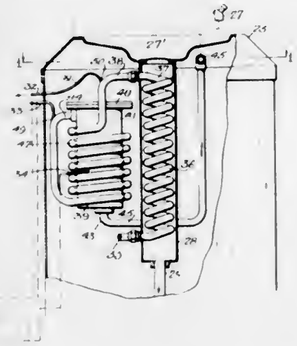
1. The combination with a supporting base, of a vertical shaft having a support at the upper end thereof, bearing means within the base for engaging the lower end of the shaft, means within the base and engaging the shaft above said bearing, means for rotating it in opposite directions, the base comprising an outer upwardly extending wall, a cover for the base surrounding the shaft and engaging the upper end of the wall, the cover having an upwardly extending hub portion with a ring-shaped recess extending downwardly from the upper edge of the hub, roller spindle bearings within the hub and surrounding the shaft, the lower end of the hub portion having an inward shoulder to support the spindle bearings and lubricating means located in said recess and including lubricating pad portions which extend from the recess in contact with the shaft for lubricating the roller spindle bearings.

2,581,124
ALTERNATING-VOLTAGE COMPRESSION NETWORK
William West Moe, Stratford, Conn., assignor to Time, Inc., New York, N. Y., a corporation of New York
Application July 23, 1947, Serial No. 763,050
1 Claim. (Cl. 178—44)



In an alternating voltage compressor network, a transmission channel having a resistor in series therewith and having a pair of input and a pair of output terminals, a first network connected across said channel and comprising a plurality of branches each including biasing means, a unilateral conducting means and a resistor in series, the first of said branches being connected directly across said channel and each successive branch being connected in parallel with the unilateral conducting device and resistor of the preceding branch, and a second network substantially identical with said first network but connected across said channel in inverted relation to said first network, whereby said first and second networks are effective to compress signals of opposite polarities in accordance with given functions thereof, said first and second networks affording shunt impedances across the channel which vary relatively to the fixed impedance of said resistor connected in series with the channel and as a function of the input signals impressed across said input terminals, said channel affording a substantially infinite impedance across said input terminals prior to operation of any of said branches.

2,581,125
FILTER AND TEMPERATURE CONTROL
Samuel O. Morrison, Pine Ridge, Media, Pa., assignor to Sunroc Refrigeration Company, Dover, Del., a corporation of Delaware
Application February 27, 1946, Serial No. 650,437
12 Claims. (Cl. 62—141)

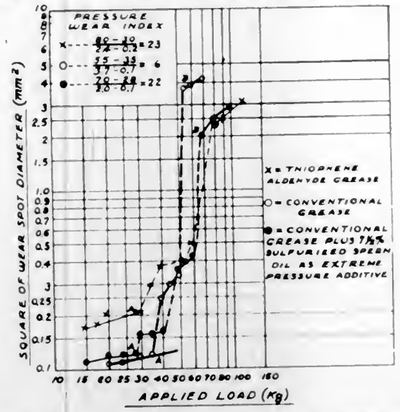


1. In a water cooler, a water filter, a heat transfer mechanism comprising a tube within a tube in heat transfer relationship with the water filter, means for passing water through the heat transfer mechanism and through the water filter and means for passing refrigerant through the heat transfer mechanism.

2,581,126
EXTREME PRESSURE LUBRICATING GREASE
Arnold J. Morway, Clark Township, and John J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 31, 1949, Serial No. 113,302
14 Claims. (Cl. 252—33.6)

1. A lubricating grease composition having extreme pressure properties consisting essentially of a lubricating oil thickened to a grease consistency with a combination of 1 to 3 molar parts of metal soap of higher fatty acids and 1 to 3 molar parts of the non-volatile Cannizzaro reaction products of an alkali metal hydroxide and

a sulfur-containing heterocyclic aldehyde of molecular weight below about 200, said grease including substantial amounts of the sulfur-bearing alcohol formed in said Cannizzaro reaction.



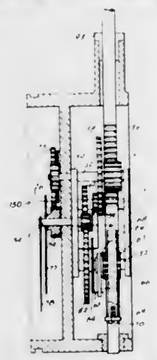
2,581,127
HIGH-TEMPERATURE LUBRICATING GREASE
Arnold J. Morway, Rahway, and John J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 25, 1950, Serial No. 140,546
12 Claims. (Cl. 252—41)

1. A lubricating grease composition comprising a lubricating oil thickened to grease consistency with 1 to 2 parts by weight of a metal salt of a low molecular weight acid and 1 to 10 parts of a metal soap of fatty acids having between 12 and 24 carbon atoms per molecule, said low molecular weight acid having the general formula

R—CO—COOH

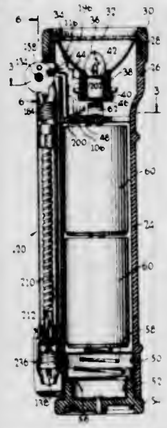
where R is an aliphatic hydrocarbon group of 1 to 5 carbon atoms.

2,581,128
GEAR TRAIN
Kasimier W. Mozur, Erie, Pa.
Application March 22, 1947, Serial No. 736,537
7 Claims. (Cl. 74—409)



1. In an all purpose gauge, in combination a hairspring equalizer comprising a rack having a projecting portion, main gears engaging said rack, a hairspring gear engaging said main gears, a shaft upon which said hairspring gear is fixedly mounted, a spirally-wound hairspring fixedly mounted on said shaft having a laterally extending portion, a pinion freely mounted on said shaft, an arm adapted to engage the projecting portion of said hairspring, movable with said pinion, and a second rack engaging said pinion adapted to be moved by the projecting portion of said first mentioned rack to move said arm in the direction of said hairspring gear whereby said hairspring tends to unwind when a predetermined point of rotation is reached.

2,581,129
PORTABLE ELECTRIC FLASHLIGHT WITH RETRACTABLE MOUNT FOR AUXILIARY LAMPS
Bernard Francis Muldoon, Verona, N. J., assignor to Henry Hyman, New York, N. Y.
Application June 14, 1947, Serial No. 754,702
10 Claims. (Cl. 240—10.6)



1. A portable electric flashlight comprising in combination a casing including a head and an elongated portion adapted to house batteries, a flashlight lamp in said head, circuit means to energize said lamp from said batteries, said means including an electric switch operable externally of the casing, and an auxiliary extensible light, said light including an elongated standard, means to pivotally mount said standard adjacent an end of said casing for swinging movement relative to the head and battery portion in a plane including the longitudinal axis of the battery housing portion from a position in which the standard lies flat against the casing to a position in which the standard extends from the casing, an elongated self-form-maintaining member slidable in said standard from a position in which it is substantially fully received in the standard to a position in which it is substantially fully extended from the standard, an auxiliary electric lamp carried by said elongated member, and circuit means for energizing said auxiliary lamp from said batteries.

2,581,130
PROCESS FOR CONVERTING CARBOHYDRATES INTO BITUMINOUS SUBSTANCES
Eger V. Murphree, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 10, 1947, Serial No. 773,164
1 Claim. (Cl. 260—212)

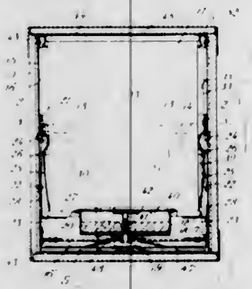
In a process of converting cellulosic material to a pyrobituminous pitch by reaction with an

aqueous alkali metal carbonate solution, the improvement which comprises charging a batch of said cellulosic material for an initial period to a reaction zone to form a reaction mixture therein with aqueous alkali metal carbonate solution, retaining the charged cellulosic material in said reaction zone for a residence period of at least 30 minutes at temperatures between 300° C. and 374° C. under a sufficient superatmospheric pressure to maintain a substantial amount of the water in the liquid phase; during the residence period of said batch of cellulosic material in the reaction zone, withdrawing a resulting liquid mixture of oily conversion products with used aqueous solution decreased in alkalinity by formation of alkali metal bicarbonate from a bottom part of said reaction zone while retaining the unconverted portion of the batch of cellulosic



material in said reaction zone; separating oily liquid conversion products from the thus withdrawn spent aqueous solution of the alkali metal bicarbonate; passing the thus separated used aqueous solution into a regeneration zone wherein the alkali metal bicarbonate is converted to normal alkali metal carbonate with evolution of carbon dioxide; and recycling the regenerated normal alkali metal carbonate solution from the regeneration zone to the reaction zone for further reaction of the portion of the cellulosic material retained therein under reaction conditions in order to maintain the alkaline solution contacted with the cellulosic material at high alkalinity until the remaining portion of the batch of cellulosic material supplied to the reaction zone are substantially converted into oily liquid decomposition products.

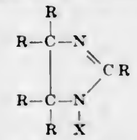
2,581,131
COMBINATION CONTAINER PACKAGE AND HEATING DEVICE
Nicholas T. Naranick, Chicago, Ill.
Application December 10, 1948, Serial No. 64,476
16 Claims. (Cl. 126—262)



1. In a device of the character described, the combination of an elongated open ended cylindrical casing of heat insulating material, a can support secured within said casing and slidable longitudinally thereof, a fuel supply secured within said casing adjacent one end thereof, means on said can support for carrying a can within said casing adjacent said fuel supply, means for sliding said can support longitudinally of said casing to space said can from said fuel supply, and removable heat insulating covers closing the ends of said casing when said can is adjacent said fuel supply.

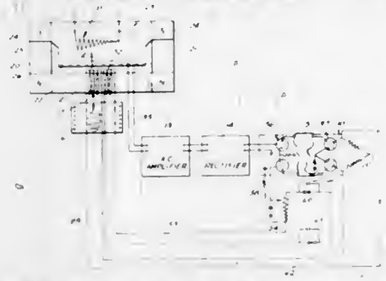
2,581,132
LUBRICATING OIL
Roy F. Nelson, Alton J. Deutser, and Melvin R. Hefty, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application July 13, 1949, Serial No. 104,598
24 Claims. (Cl. 252—49.5)

1. A lubricating composition adapted to form a water-in-oil emulsion in the presence of water, with the water in the discontinuous phase, comprising a mineral lubricating oil as the predominant constituent, and constituting at least 90% by weight of the composition, and about 0.05–0.4% by weight based on the composition of a substituted glyoxalidine having the formula



where R is selected from the group consisting of hydrogen and lower alkyl, R′ is selected from the group consisting of alkyl and alkenyl radicals having from 10 to 30 carbon atoms, and X is selected from the group consisting of hydroxy-lower alkyl, amino-lower alkyl and amino-alkylene-imino-lower alkyl.

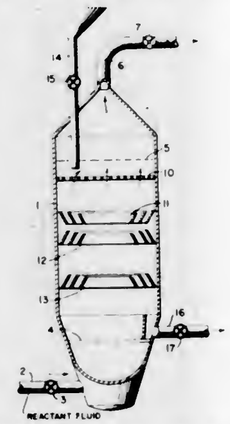
2,581,133
GRAPHIC RECORDER WITH SLIDING COILS
Arthur W. Niemann, Millington, N. J., assignor to Sound Apparatus Company, Stirling, N. J., a firm
Application November 2, 1950, Serial No. 193,549
5 Claims. (Cl. 346—32)



1. In a graphic recorder with sliding coil, a pair of spaced magnets having like poles aligned but spaced from each other, a rod of magnetic material magnetically connecting one pair of like poles of said magnets, a bar of magnetic material magnetically connecting the other pair of like poles of said magnets and extending parallel to and closely spaced to and along one side of said bar, a coil having an air core of a slightly larger size than said rod and coaxially engaging upon said rod and positioned in the magnetic field between

said rod and bar in order to slide in one direction or the other on said rod in accordance with changes in current passing through said coil, means for sending a variable current through said coil for causing said coil to slide back and forth on said rod and means for dampening sliding of said coil, comprising another coil coaxially engaging on said rod and physically connected with and moved by said first-named coil, a circuit connected with said second coil, means operated by said circuit for opposing said variable current for dampening sliding of said first coil, a rectifier in series in said circuit, and a condenser shunting said rectifier.

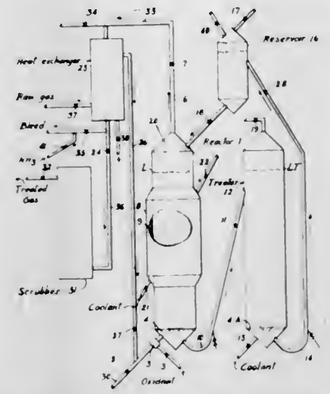
2,581,134
APPARATUS FOR CONTACTING SOLIDS AND GASES
William W. Odell, Washington, D. C., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 15, 1947, Serial No. 734,940
3 Claims. (Cl. 183—4.2)



1. An apparatus for contacting solids and gases which comprises an outer shell forming an enclosed vessel adapted to contain a body of subdivided solids, single means for introducing a stream of gas into the bottom of said vessel at a velocity adjusted to maintain said solids in a dense turbulent fluidized state, means for distributing the gas so introduced over the full horizontal area of said vessel, means for withdrawing a stream of gas from the upper portion of said vessel, a horizontal baffle disposed within said vessel, said baffle comprising a plurality of annular members disposed at an angle to the axis of said vessel greater than the angle of repose of the subdivided solids to thereby deflect the gases rising therethrough and prevent the subdivided solids from accumulating upon the upper surfaces of said annular members, and spacing elements separating said annular members.

2,581,135
PROCESS FOR THE REMOVAL OF OXIDIZABLE SULFUR COMPOUNDS FROM A HYDROCARBON GAS MIXTURE
William W. Odell, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 12, 1948, Serial No. 7,985
3 Claims. (Cl. 23—3)

1. A process for the removal of at least one impurity selected from the group consisting of hydrogen sulfide and organic sulfur compound from a hydrocarbon gas mixture containing the same which comprises maintaining a deep bed of turbulent finely-divided fluidized solids which do not chemically react with the impurity in a combustion zone, maintaining said solids at a temperature above 300° C. but below 450° C., preheating the hydrocarbon gas mixture to a temperature of about 300° C., passing the preheated gaseous mixture mixed with an amount of oxygen-containing gas substantially chemically equivalent to the amount of impurity present in the hydrocarbon gas upwardly through said bed of hot solids in the combustion zone at a velocity of 1 to 5 ft./sec. adapted to main-

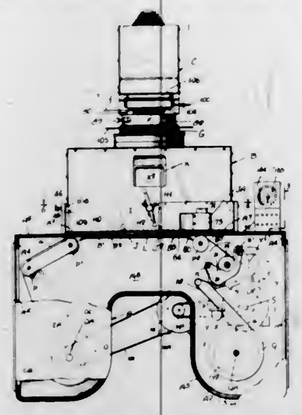


tain said solids in said fluidized state in the combustion zone and thereby promoting the controlled oxidation of the impurity to sulfur vapor without substantially oxidizing the hydrocarbon components of the gas, withdrawing a stream of the hot fluidized solids at a point near the bottom of said combustion zone while simultaneously introducing a stream of the same cooled solids into the combustion zone at a point near the top thereof at such a rate that the temperature of the fluidized solids is held within the limits of 300° C. to 450° C. and withdrawing from the combustion zone above said bed a gaseous stream of hydrocarbons containing vaporized sulfur but substantially depleted of said impurity.

2,581,136
PROJECTION PRINTER
Leo Pavelle, Mount Vernon, N. Y., assignor to Pavelle Color Incorporated, New York, N. Y., a corporation of Delaware
Application November 3, 1948, Serial No. 58,089
19 Claims. (Cl. 88—24)

1. An optical projection printer adapted to successively print a plurality of pictures on each of a plurality of side by side longitudinal sections of a strip of photographic material, comprising in combination a housing structure enclosing a film chamber, film supporting and advancing means mounted in said chamber and operative to intermittently move successive sections of said film into an exposure position, a projector device comprising a transparency seat and a projection lens and having an optical axis and mounted on said structure for bodily movement transversely to the direction of movement of said strip through positions in which the optical axis of said projector device intersects the different sections of said strip, and positioning means comprising cooperating elements of said structure and projector device for maintaining said device in one or

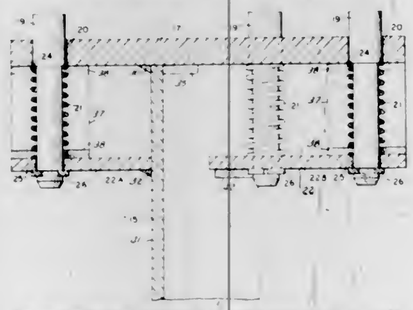
another of predetermined positions in which the optical axis of said device intersets a predetermined one or another of said sections preparatory to the printing of pictures on a selected one of said sections.



2,581,137
VEHICLE HOLDING STRUCTURE

James J. Pelouch, Cleveland, Ohio, assignor, by mesne assignments, to Harold C. Schott, Cleveland, Ohio

Application March 7, 1950, Serial No. 148,060
10 Claims. (Cl. 254—89)



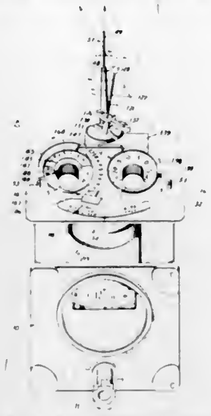
1. In a vehicle lifting hoist having a lift post with a vehicle engagement structure thereon, the provision of said vehicle engagement structure having, an upper pad and a lower pad spaced apart, said upper pad having a plurality of openings therethrough, a plurality of pins in said openings, and spring means urging said pins upwardly through said upper pad to hold a vehicle being lifted on said vehicle engagement structure.

2,581,138
TORPEDO DIRECTOR

Richard W. Pitman, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of the Navy

Application May 8, 1946, Serial No. 668,026
6 Claims. (Cl. 33—46.5)

1. For use with a directional gyro provided with a member stabilized in azimuth, a torpedo director including a normally vertical shaft mounted for angular orientation about its axis and connected to said member for stabilization in any one of a plurality of angularly oriented positions representative of different target directions, a sight arm pivotally connected to said shaft for swinging movement into any one of a plurality of positions of angular adjustment relative to said shaft, a sleeve relatively reciprocable coaxially of said shaft and adapted through said relative movement to control the angular position of said sight arm relative to said shaft, manually adjustable means for setting the reciprocable sleeve and thereby disposing said sight arm in an angular position relative to said shaft representative of target speed, and a normally vertical sight spaced from said pivoted sight arm a distance representative of torpedo speed.



2,581,139
METHOD FOR IMPROVING THE QUALITY OF NAPHTHENIC ACIDS

James Prophet, Jr., Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

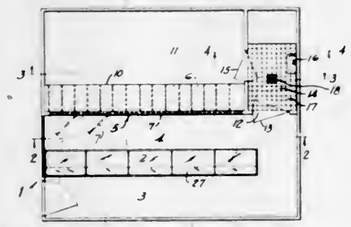
No Drawing. Application August 12, 1948, Serial No. 48,315
5 Claims. (Cl. 260—514)

1. The process for separating naphthenic acids free of reactive sulfur which comprises washing an untreated petroleum gas oil distillate fraction containing naphthenic acids with an aqueous media that has a pH about that of sea water and no greater than 9.8, contacting the washed petroleum oil with an aqueous solution of an alkali metal hydroxide, separating the aqueous solution from the petroleum oil, acidifying the separated aqueous solution, separating naphthenic acids from the acidified aqueous solution, and washing the separated naphthenic acids with water.

2,581,140
MEAT MARKET

Ferdinand Puttre, Brooklyn, N. Y.

Application March 8, 1947, Serial No. 733,397
1 Claim. (Cl. 20—1.6)

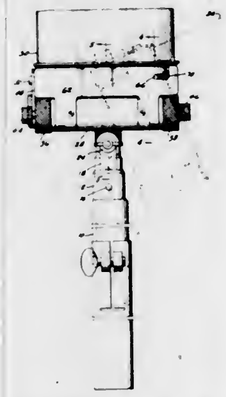


A meat market having the combination of a customers' counter, and a floor area therebeyond for customers' clerks, of a closed wall beyond said area constituting the rear wall of the market, said wall having therein a plurality of lockers for and corresponding to the various saleable meats, each of said lockers being open at the rear thereof and provided with a closable door at the front thereof, said wall constituting a front wall of a refrigerated room therebeyond for maintaining said lockers in cooled state through their said open doors and accommodating meat handlers for supplying meats into said lockers through their said open rears, said meats being available to said clerks for sale on said counter by access through said doors, and certain of said lockers having mounted therein a suspender for meats and others of said lockers being smaller to contain small cuts of meats.

2,581,141
ADJUSTABLE BRUSH AND BRUSH HANDLE

Nicholas J. Raptis, Gary, Ind.

Application May 22, 1947, Serial No. 749,847
3 Claims. (Cl. 15—248)



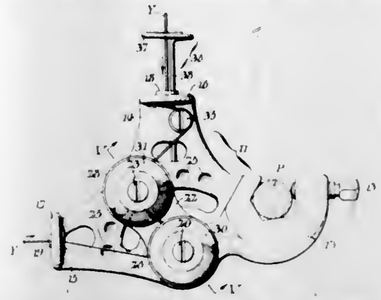
1. The combination of a handle and a paint brush, said handle having a bracket at its end, a pivotally mounted clamp member secured to said bracket, a reservoir connected to said clamp, a pair of openings in said reservoir, strap members secured to the sides of said reservoir, a frame enclosing the end of said brush, passageways extending from said frame, slots in said strap members and pins on the frame of said paint brush adapted to be received in said slots to connect said reservoir and paint brush together with said passageways extending into said openings.

2,581,142
YARN TENSIONING DEVICE

Thomas K. Rea, Gastonia, N. C., assignor to Cocker Machine and Foundry Company, Gastonia, N. C., a corporation of North Carolina

Application March 10, 1949, Serial No. 80,692
8 Claims. (Cl. 242—154)

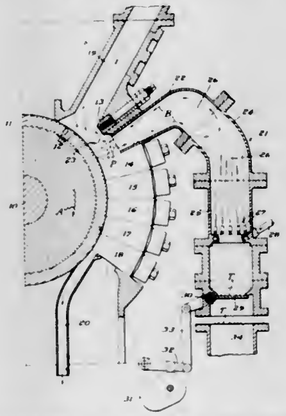
1. A yarn tensioning device comprising a bracket with a fixed upstanding yarn-directing stud, and a fixed yarn guide eye in spaced relation to the said stud; an arm of flat spring metal fulcrumed on the stud for capacity to be shifted in the interval between the stud and the guide eye, said arm being spring biased toward the bracket; an upstanding yarn-directing stud anchored in the arm with its bottom end rounded and protruding; and a series of indentations in the support arranged in an arc concentric with the axis of the fixed stud for selective engagement by the bottom protruding end of the stud on the arm to hold the latter in adjusted positions.



2,581,143
STUFF TREATMENT APPARATUS

Cyrus E. Roberson, Hoosick Falls, N. Y., assignor to The Noble & Wood Machine Company, Hoosick Falls, N. Y., a corporation of New York

Application April 2, 1947, Serial No. 738,979
1 Claim. (Cl. 92—26)



In a rotary paper stock refiner having a rotor, a stator spaced from the rotor to define a treatment zone, and a stock inlet arranged to form a stock inlet chamber wherein stock will be subjected to a swirling action by the rotor prior to entrance into the said treatment zone; in combination with a junk extractor, an extraction chamber, a stock inlet chamber, an outwardly tapered conduit inclined upwardly from said inlet chamber, a second conduit inclined downwardly and interconnecting the extraction chamber with said upwardly inclined conduit, said conduits being adapted to receive stock impelled therein from the stock inlet chamber by the rotor, spaced jet nozzles directed upwardly in convergent relation in the extraction chamber, and means supplying water under pressure to the said nozzles to form high pressure water streams toward the entrance of the conduit into the extraction chamber but aimed at an angle whereby the stock in the said conduit will be subjected to a centrifugal action with the heavier particles therein dropping into the extraction chamber, and the pressure of the streams being sufficient to maintain the stock pressure head in the conduit regardless of other conditions of pressure in the extraction chamber.

2,581,144

CONTROL OF OFFICE DICTATION EQUIPMENT

Bruce Roberts, Philadelphia, Pa., assignor to The International Electronics Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application December 21, 1946, Serial No. 717,754. Divided and this application March 27, 1947, Serial No. 737,692

13 Claims. (Cl. 179—6)



1. Apparatus for recording and reproducing intelligence on removable flexible sheets comprising magnetizable material, comprising a recording-reproducing head, an erasing head, mechanism for effecting scanning of a sheet by said heads, an amplifier having an input terminal and an output terminal, an oscillator having an output terminal for supplying recording bias, a power supply having a terminal for supplying erasing current, a first speaker-microphone unit, a second speaker-microphone unit, switch means for connecting either of said units to either of the amplifier terminals when the recording-reproducing head is connected to the other of the amplifier terminals, switch means for connecting either of the said units to either of the amplifier terminals when the other unit is connected to the other amplifier terminal, switch means for connecting the oscillator output terminal to the recording-reproducing head when the recording-reproducing head is connected to the amplifier output, and switch means for controlling the power supply to the erase head to energize said erase head when the record-reproduce head is connected to the amplifier output.

2,581,145

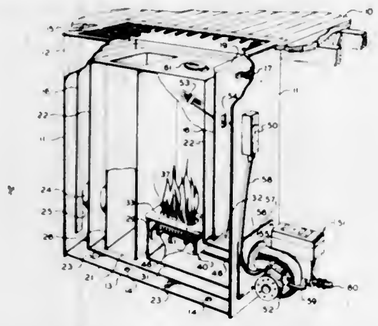
OIL BURNING HOT-AIR FURNACE

William C. Roberts, Detroit, Mich., assignor to Bone Tool & Gauge Company, Detroit, Mich., a corporation of Michigan

Application September 5, 1947, Serial No. 772,255

1 Claim. (Cl. 126—116)

The combination of a rectangular casing open at the top and closed at the bottom, a register mounted at the top of said casing, a substantially rectangular combustion chamber structure having top, bottom, side, and end walls within said casing substantially parallel to and in spaced relation to the register, the bottom, and the walls, respectively of said casing, a conduit extending from said chamber through an end wall of said casing and providing communication between the exterior of said casing and said chamber for the admission and removal of an oil burning fire pot, an elongated oil burning fire pot in said chamber adjacent the bottom and said end wall and having a flame outlet slot in substantially parallel relation to the side walls of said chamber, means to supply combustion air through said conduit to said fire pot, means to supply oil to said fire pot, a substantially rectangular air flow duct open at the top and bottom having the walls thereof substantially parallel to opposed walls of said chamber, said duct extending through said combustion chamber from the bottom through the top of said chamber providing communication between the bottom space and the top space lying



between the tops and bottoms of said casing and chamber, an outlet flue extending from the other end wall of said chamber adjacent the bottom thereof and extending through the corresponding end wall of said casing, a substantially rectangular shield open at the top and bottom surrounding the walls of said chamber with the walls of said shield substantially parallel to and spaced from the corresponding walls of said chamber and said casing, the open top and bottom of said shield being spaced from the top and bottom of said casing whereby air may circulate between the shield and the casing downwardly and between said chamber and said shield upwardly through said register.

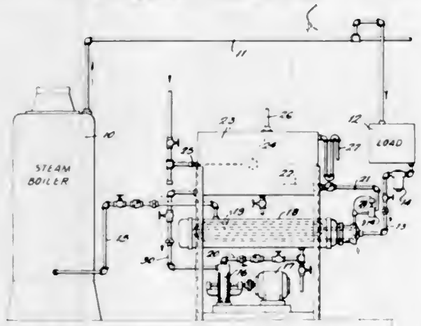
2,581,146

BOILER FEEDWATER SYSTEM

Robert F. Schaub, Chicago, Ill., assignor to Fred H. Schaub Engineering Co., Inc., Chicago, Ill., a corporation of Illinois

Application September 9, 1948, Serial No. 48,453

6 Claims. (Cl. 237—9)



1. In a boiler feedwater system for use with a boiler, a steam consuming load connected to the boiler, and a feedwater pump having an inlet connected to pump water into the boiler from the inlet, the combination which comprises a water storage tank connected to the inlet, a heat exchanger connected between the pump and the boiler to impart heat to the feedwater, a condensate return connection from the load through the heat exchanger to the storage tank to supply heat to the heat exchanger from the condensate, and a flow controlling device interposed between the heat exchanger and storage tank responsive to the temperature of the condensate in the heat exchanger to decrease the flow from said heat exchanger as said temperature rises.

2,581,147

LOW-TEMPERATURE ISO-OLEFIN POLYMERIZATION WITH ALUMINUM CHLORIDE CONTAINING ALUMINUM METAL

Henry G. Schutze, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

No Drawing. Application March 23, 1950, Serial No. 151,517

12 Claims. (Cl. 252—429)

11. A catalytic solution suitable for polymerizing a mixture of mono-olefins and diolefins at a low temperature which comprises a solution formed by dissolving aluminum chloride containing an amount not greater than 2% by weight of metallic aluminum in methyl chloride containing water.

2,581,148

PROCESS OF ROASTING COFFEE

William S. Scull, 2nd, Bryn Mawr, and George A. Fisher, Selinsgrove, Pa., assignors to Wm. S. Scull Company, Camden, N. J., a corporation of New Jersey

Application April 8, 1947, Serial No. 740,156

6 Claims. (Cl. 99—68)

5. In the roasting of coffee wherein the coffee is dehydrated, developed and colored, the process which comprises subjecting the coffee to heating in three stages of treatment in successive zones having factors of time and temperature providing a time temperature relationship in each zone differing from that in the other zones, the time temperature relationship in the first zone providing for maximum roasting effect therein, the time temperature relationship in the third zone providing minimum roasting effect therein, the time temperature relationship in the intermediate zone providing an intermediate roasting effect therein, the temperature in the first zone being between 600° F. and 1200° F. and at least one of said factors being progressively diminished from zone to zone.

2,581,149
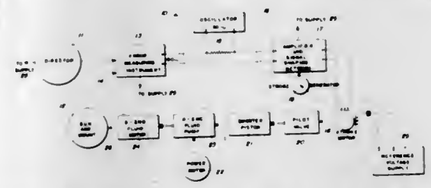
FIRE CONTROL

Charles H. Shaw, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy

Application March 29, 1946, Serial No. 658,161

1 Claim. (Cl. 60—53)

Control apparatus for positioning a gun mount in accordance with electrical gun orders transmitted from a director including a stroke motor including a rotor and a stator, said stator having a control winding and a reference voltage winding energizable by a reference voltage of predetermined frequency, a hydraulic system comprising a fluid motor for driving said mount, an electrically driven pump for supplying fluid to said fluid motor, a booster piston mechanically connected to said pump for controlling the fluid delivered therefrom in accordance with the linear position of said piston, a pilot valve hydraulically coupled to and operatively controlling the flow of fluid to said piston for positioning said piston in accordance with the linear position of said valve, means mechanically coupling said rotor to said valve for moving said valve linearly upon rotation of said stroke motor, an instrument for generating an error signal of said predetermined frequency and of a magnitude variable in accordance with the departure of the actual position of said mount from the position ordered by said director, and of a polarity indicative of the direction of departure, an am-



plifier for said error signal, a stroke generator connected to said rotor, means for degeneratively feeding the output of said stroke generator to said amplifier, means connecting said amplifier in circuit with said control winding to rotate said rotor in one or the other direction as determined by the phase relation between said amplifier error signal and said reference voltage, means for dithering the linear movement of the pilot valve comprising a thermionic oscillator having a voltage output of a frequency differing from said predetermined frequency and means for superimposing upon said error signal in circuit with said amplifier the output voltage of said oscillator.

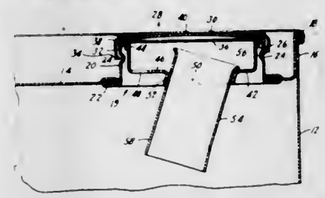
2,581,150

RETRACTABLE SPOUT FOR CONTAINER, WITH PROTECTIVE COVER FOR SAID SPOUT IN ITS RETRACTED POSITION

Roscoe W. Shore, Jackson Heights, N. Y.

Application March 6, 1946, Serial No. 652,406

4 Claims. (Cl. 222—525)



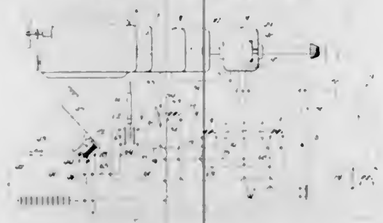
1. The combination for a container including an outwardly protruding outlet collar of sheet material having a beaded outer edge, and a cap for the collar adapted to fit about said edge, of an element of substantially cup-shape for insertion into said collar and having an upstanding side portion adapted for frictional holding relation to said beaded edge to keep the element in place, the bottom wall of said element constituting a partition across the collar opening and having therein a simple vent opening and a larger aperture located radially outwardly of said vent, and a pouring spout so constructed and arranged as to be telescopically movable in said aperture between a position in which the outer end of the spout is supported by the partition under the cap and a position in which the outer end of the spout is outside the container and its inner end held to said partition.

2,581,151
HINGE
Benjamin Shwayder, Detroit, Mich., assignor to Schwayder Brothers, Inc., Denver, Colo., a corporation of Colorado
Application November 2, 1945, Serial No. 626,247
1 Claim. (Cl. 16—169)



A hinge comprising a pair of relatively pivotal hinge members with their common formed looped portions aligned in interlocked relation, a pivot pin transversely extending through said looped portions interconnecting said members, an annular flange intermediate the ends of said pin and integral therewith permanently retained against relative axial movement between an adjacent pair of said looped portions, and hemispherical legs adjacent the outer ends of said members, remote from said pivot pin, pressed outwardly therefrom and forming an integral part thereof for spacing said hinge above a supporting surface when its members are in alignment.

2,581,152
AUTOMOTIVE DRIVE
George Spatta, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application March 6, 1948, Serial No. 13,441
5 Claims. (Cl. 290—14)



1. An automotive vehicle drive comprising a driving shaft adapted to be driven by an internal combustion engine, a propeller shaft for driving the vehicle, an electric generator-motor drive between said shafts, a hydraulic torque converter drive between said shafts said drive including a three element converter which at lower vehicle speeds drives at more than a one to one torque transmission ratio and at higher vehicle speeds drives at substantially a one to one torque transmission ratio, said electric drive having high standstill torque but insufficient torque alone to accelerate the vehicle to substantially minimum cruising speed and the hydraulic drive having insufficient torque to accelerate the vehicle from standstill at rated load, but providing sufficient torque to propel the vehicle at and above minimum cruising speed, both said drives being operative for acceleration of the vehicle to minimum cruising speed, and means for disconnecting the electric drive without disconnecting the hydraulic drive when the vehicle attains said minimum cruising speed.

2,581,153
METHOD OF MAKING COMBINED STENCIL AND INKING PADS
Fred R. Wallich, Los Angeles, Calif.
Application April 20, 1948, Serial No. 22,200
1 Claim. (Cl. 101—128.4)



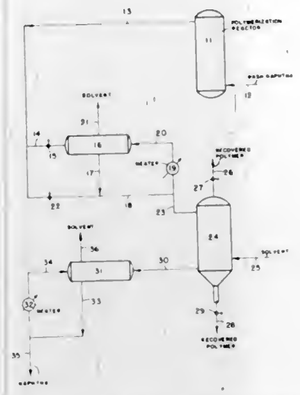
The method of producing a combined stencil and inking pad unit which consists in forming an assembly comprising a frame having a central aperture from face to face and having a sheet of stencil tissue fixed to one face of the frame and covering the aperture in the frame; forming a separate inking pad assembly having an ink saturated pad smaller than said aperture and disposed centrally of an ink-impervious sheet, substantially the size of the frame, with adhesive coated marginal edges and a protective cover sheet over the pad and laid on said adhesive; cutting the desired indicia in the stencil tissue of the stencil assembly; removing the protective cover sheet from the separate pad assembly, and adhesively securing the ink-pad assembly to the stencil assembly frame with the ink pad located in the aperture of said frame and with said impervious sheet adhering around the pad to said frame.

2,581,154
TERTIARY-BUTYL HALIDE PROMOTERS IN FRIEDEL-CRAFTS CATALYZED OLEFIN POLYMERIZATIONS
David C. Walsh, Jr., and Henry G. Schutze, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application July 1, 1948, Serial No. 36,415
9 Claims. (Cl. 260—85.3)

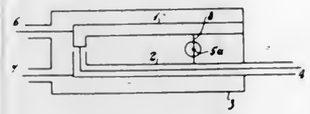
1. A process for polymerizing unsaturated hydrocarbons which includes the steps of forming a substantially anhydrous feed stock at a temperature in the range of —220° F. and 0° F. comprising a tertiary olefin having at least 4 and not more than 7 carbon atoms per molecule, an alkyl halide and a material selected from the group consisting of tertiary butyl chloride and tertiary butyl bromide, the said material being present in the feed stock in an amount in the range of 6 to 100 parts per million parts of hydrocarbon in the feed stock, admixing said feed stock with a substantially anhydrous solution of a Friedel-Crafts catalyst chilled to substantially the same temperature as the feed stock to form a reaction mixture including a polymer, terminating the reaction and recovering said polymer.

2,581,155
RECOVERY OF HIGH-MOLECULAR WEIGHT POLYMERS FROM HYDROCARBON SOLUTIONS
David C. Walsh, Jr., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application January 4, 1949, Serial No. 69,132
3 Claims. (Cl. 260—85.3)

1. A method for recovering a solid high molecular weight aluminum chloride catalyzed rubbery copolymer of isobutylene and isoprene from a warm solution of it in a hydrocarbon fraction boiling in the range from about 140° to about 500° F. which comprises adding to the solution a zinc stearate anti-tack agent having the property of preventing said polymer from adhering to surfaces in contact therewith in an amount in the range from 2% to 5% by weight of the hydrocarbon solution, admixing the solution containing the anti-tack agent with a liquefied low molecular weight non-oxygenated precipitating solvent selected from the class consisting of propane and methyl chloride in an amount in the range from 1 to 5 parts by volume of solvent to every part of hydrocarbon solution, lowering the temperature of the admixture to a temperature in the range between —60° and 0° F. to cause a separation into a polymer phase and a hydrocarbon phase and separately recovering said phases.

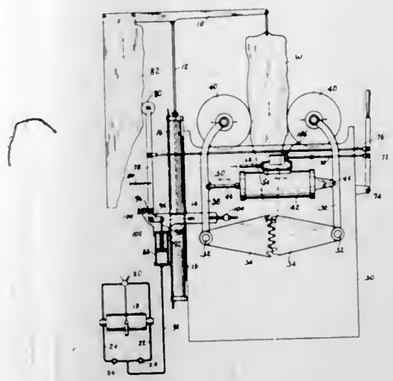


2,581,156
HYBRID TRANSFORMER COUPLING NETWORK FOR VERY HIGH FREQUENCIES
Donald Weighton, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company
Application January 27, 1948, Serial No. 4,653
In Great Britain January 28, 1947
3 Claims. (Cl. 178—44)



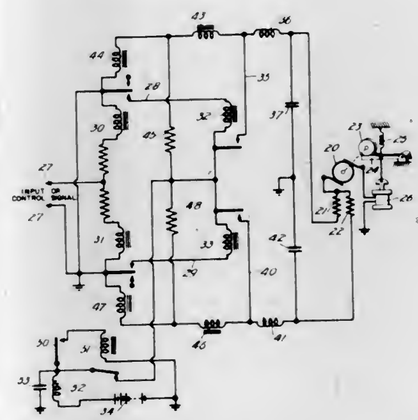
1. Hybrid transformer for use at very high frequencies, comprising a pair of members forming a section of a balanced transmission line of which at least one of the balanced pair of members is a hollow metal conductor, means connecting the two members at one end, a central conductor arranged in the hollow member to form with the latter a concentric transmission line, said central conductor being connected at the open end of the concentric line to the other member of the balanced pair, and a further concentric line of which the inner conductor is connected to the centre of a conducting bridge connected across the balanced pair at points along the length thereof, the outer conductor of this further concentric line being connected to the short-circuited ends of the pair of members.

2,581,157
CAM CONTROLLED CONTOUR POLISHING
Forrest R. Whitcomb, Worcester, Mass.
Application October 19, 1949, Serial No. 122,203
8 Claims. (Cl. 51—84)



1. Apparatus of the class described comprising a pair of movable supports, an abrading roll on each support, floating hydraulic cylinder and piston means respectively connected to the supports to move the latter toward and away from each other, a valve controlling the cylinder and piston to determine the spacing of the supports, a moving cam, and a cam follower therefor connected to the valve to control the latter and thereby cause the supports and abrading rolls to move toward and away from each other according to the cam contour.

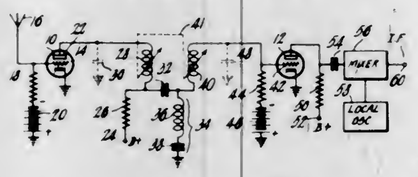
2,581,158
RELAY-OPERATED AMPLIFIER
Frank Gordon Willey, Roslyn Heights, N. Y., assignor to Servo Corporation of America, New Hyde Park, N. Y., a corporation of New York
Application May 5, 1949, Serial No. 91,450
11 Claims. (Cl. 318—257)



7. In an amplifying system for reversibly driving a motor in response to input signals of changing polarity, first relay means including a first winding responsive to input signals of one polarity to close a first output circuit, and a second winding responsive to input signals of opposed polarity to close a second output circuit; second

relay means including a winding in said first output circuit to close a first control circuit, and a winding in said second output circuit to close a second control circuit; a feedback connection from said first control circuit and connected to said first relay means to open said first output circuit, and a feedback connection from said second control circuit and connected to said first relay means to open said second output circuit.

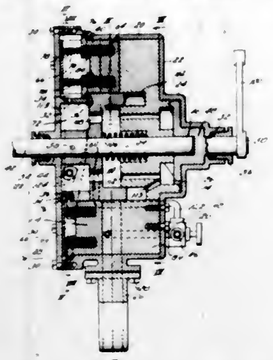
2,581,159
TUNABLE BAND PASS AMPLIFIER FOR TELEVISION
John C. Achenbach, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1948, Serial No. 29,882
3 Claims. (Cl. 250—20)



3. In a radio frequency superheterodyne receiving system, a radio frequency wave translation system tunable to receive a wide range of signal frequencies, said system including one or more electronic tube stages, a local oscillator wave generating means having operating frequencies above said range of signal frequencies, a variably tunable passive linear network comprising an interstage coupling of said vacuum tube stages, said network comprising a variably tunable primary circuit, means operative to variably tune said primary circuit and said secondary circuit simultaneously, a variably tunable secondary circuit, and a coupling circuit series resonant at a signal image frequency falling within the frequency range of local oscillator operation such that said series circuit appears as an effective capacitive reactance which varies with frequency, said coupling circuit being common to said primary and secondary circuits to provide electrical coupling between said primary and secondary circuits of a nature that imparts to said network a frequency band pass which is maintained substantially constant for wide variations in tuning of said primary and secondary circuits while causing said network to display particular attenuation of those signal image frequencies and oscillator frequencies encompassed by the selectivity characteristics of said resonant coupling circuit.

2,581,160
VARIABLE VOLUME PUMP
Harold B. Adams, Mission, Kans., and Maurice C. Peters, Salt Lake City, Utah
Application December 15, 1947, Serial No. 791,876
4 Claims. (Cl. 103—120)

1. A rotary pump comprising a cylindrical housing; an axially fixed rotor, having radial slots formed inwardly from its outer periphery, rotatably mounted in one end of said housing; an axially adjustable head wall member normally spaced from said rotor to form an operating chamber therebetween; vanes slidably mounted in the slots in said rotor; resilient means normally urging said vanes axially against said head wall member to close said operating chamber; and cams carried in fixed relation with said housing adapted to engage and force said vanes against the urge of said resilient means away



from said head wall member as said rotor is moved on its axis.

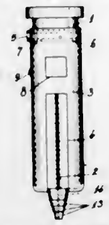
2,581,161
COMPARTMENT FRYING PAN
Myrtle M. Anderson, Minneapolis, Minn.
Application April 10, 1947, Serial No. 740,528
2 Claims. (Cl. 126—390)



1. A frying pan, comprising a plurality of sector shaped compartments formed by radial partitions and a peripheral rim, the top edges of said partitions and the top edge of said rim lying in a common plane, a handle extending outwardly from the top edge of said peripheral rim, the bottoms of said compartments being at different elevations with respect to each other, each compartment except the lowest having a supporting structure extending downwardly below its bottom and varying in height for each compartment, so that the extremities extend to and are in the same plane as the bottom of said lowest compartment, to supportingly cooperate therewith to maintain stability of the pan, said supporting structure having an arrangement of open areas which are increased according to the height of each compartment above the lowest, providing accordingly decrease in radiation and increase in circulation of air to carry away intensity of heat, so that different stages of heat are provided in the different compartments according to intensity of heat permissible for the cooking of different foods.

2,581,162
HYPODERMIC SYRINGE
Casimiro del Toral Arrieta, Buenos Aires, Argentina
Application October 28, 1948, Serial No. 56,977
2 Claims. (Cl. 128—218)

1. A hypodermic syringe comprising an elongated hollow syringe body having a movable plunger inserted from one end thereof and a series of quantitative indicia inscribed along the sides thereof; a jacket for rotatably enclosing the syringe body having a longitudinal slot of predetermined length in the wall thereof through which the indicia may be viewed; and a relatively smaller viewing window spaced from the end of said slot through which to view the injection material within the syringe body; means for securing said syringe body in a selected position projecting into the jacket to expose a predetermined portion of said quantitative indicia adja-

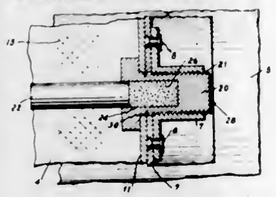


cent to the end of said longitudinal slot; and an end portion on the syringe formed with a plurality of successively smaller frusto-conical step portions extending from the other end of said jacket outwardly to the extremity of said end portion.

2,581,163
PROMOTING CRACKING REACTIONS OF HYDROCARBONS BY THE ADDITION OF ORGANIC PEROXIDES
Richmond T. Bell, Highland Park, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application May 28, 1948, Serial No. 29,947
23 Claims. (Cl. 196—52)

1. The process of cracking hydrocarbon oil to lower-boiling liquid motor fuel hydrocarbons which consists in subjecting said hydrocarbon oil to cracking conditions of time, temperature and pressure in the presence of a small amount of an organic peroxide stable against explosive decomposition under shock and at ambient temperatures, said peroxide being present in amount sufficient to induce a material increase in the rate of cracking.

2,581,164
THERMAL TIME DELAY DEVICE FOR JETTISONABLE PROPULSION MOTORS
Arnold Birnbaum, Irvington, N. J., assignor to The M. W. Kellogg Co., Jersey City, N. J., a corporation of Delaware
Application July 3, 1948, Serial No. 36,843
3 Claims. (Cl. 244—63)



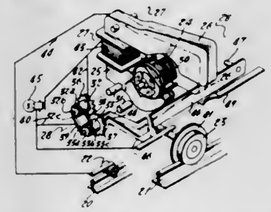
3. In combination with a body adapted to be propelled, a booster propelling device containing a booster charge and adapted to be jettisoned upon consumption of said charge, attaching means releasably connecting said device to said body, said means each having a weakened body section and an explosive containing head portion, heat conducting means in fixed contact with said explosive in said head portions projecting within said booster charge, the length of each of said last mentioned means being determined by the temperature of the heated end and the temperature required at the other end for detonation of said explosive in said head portions, substantially coincident with completion of combustion of said booster charge, causing fracture of said attaching means at said weakened body sections.

2,581,165
VARIABLE TUNING DEVICE
Joseph L. Bonanno, Madison, N. J., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application January 2, 1947, Serial No. 719,811
5 Claims. (Cl. 171—242)



1. A variable reactance having a fixed tubular part disposed about an axial line and a movable part shiftable about and along said axial line, and a coaxial mounting for the parts including a thermoplastic support having an inwardly flanged end provided with an axial threaded hole and a transversely extending slot, a threaded member in the hole and carrying the movable part, and a tension device about the support and maintaining the thermoplastic material under axial compression and in tight engagement with the threaded member to overcome the tendency of the loosening due to cold-flow inherent in the thermoplastic material of the support.

2,581,166
ELECTRIC MOTOR REVERSING MEANS
Joseph L. Bonanno, Madison, and Richard E. Beger, Jersey City, N. J., assignors to The Lionel Corporation, New York, N. Y., a corporation of New York
Application October 15, 1949, Serial No. 121,495
24 Claims. (Cl. 318—293)



1. In combination, a motor having an armature, commutator connected to the armature, two brush boxes carrying brushes bearing on the commutator, means for mounting each brush box for rotation about an axis normal to the commutator surface contacted by the brush therein, each brush box being provided with circumferentially arranged, alternate, conducting and non-conducting segments, means for concurrently turning the brush boxes about the respective axes and maintaining predetermined angular relations for the brush boxes so that the segments on one brush box are positioned relative to the segments on the other brush box in

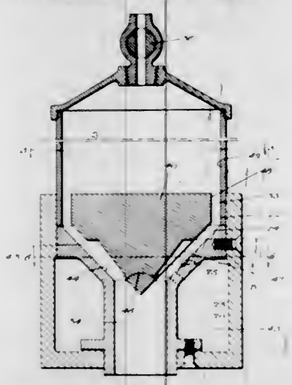
a predetermined manner, and two fixed bridging conductors normally of different polarity each having contacts bearing on the segmented surfaces of each brush box and so located that when one contact on either conductor engages a conducting segment on one brush box the other contact on such conductor engages an insulating segment on the other brush box so that polarity of current supplied the brushes is reversed each time the boxes are turned an amount equal to one-half the angular spacing of the conducting segments.

2,581,167
LINE RULING ATTACHMENT FOR TYPEWRITERS
John Bosquet, New York, N. Y.
Application September 15, 1949, Serial No. 115,855
6 Claims. (Cl. 197—113)



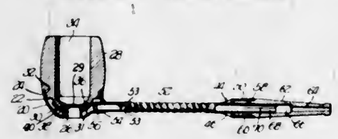
1. A ruling device for a typewriter of conventional design having a platen and a type bar guide in front of the platen and comprising a cylindrical casing having a mounting grooved in opposite sides to slidingly engage in the type bar guide, a cylindrical support rotatably adjustable in said cylindrical casing, and a ball point pen mounted in eccentric relation in said cylindrical support and arranged to be thrust when said cylindrical casing is engaged with said type bar guide, into line ruling relation with said platen.

2,581,168
THROTTLING PROCESS AND DEVICE
Arthur Bramley, Long Branch, N. J.
Application January 12, 1948, Serial No. 1,728
11 Claims. (Cl. 62—136)



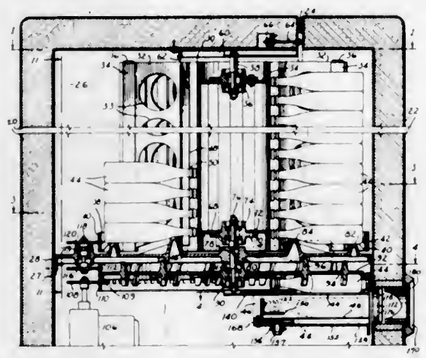
1. In a refrigerating device, a compressor, a heat exchanger connected to the high pressure side of the compressor, walls forming an open interior generally circular swirl chamber which is at least in part stationary, inlet means including a nozzle having an abruptly converging portion, a throat and a diverging portion having a length about five times the difference between the throat diameter and the mouth diameter for introducing gas or vapor from the compressor into the swirl chamber in a swirl whose axis conforms to the axis of the chamber, whose peripheral velocity exceeds the velocity of sound for the particular gas or vapor and whose pressure at the outside exceeds the pressure at the axis by at least one-half atmosphere, the mouth being at least as close as three times the mouth diameter to one end of the chamber, walls forming exits extending endwise of the chamber for hotter and colder fractions, the exit for the colder fraction being through said end wall and relatively smaller and closer to the axis and the exit for the hotter fraction being relatively farther from the axis, a connection for carrying at least a part of the colder fraction into heat transfer relation with the heat exchanger and a constriction in the exit for the hotter fraction beyond the chamber.

2,581,169
TOBACCO PIPE
Kenly C. Bugg, Fort Wayne, Ind.
Application May 8, 1947, Serial No. 746,759
3 Claims. (Cl. 131—194)



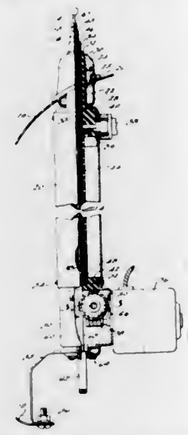
1. A pipe comprising a dished bowl holder formed of thin metal, said bowl holder having a flat topped raised central hollow condensing dome, the holder having a lateral draw tube receiving opening formed therein at a point spaced above the bottom of the chamber about the condensing dome, and a bowl fitting within the dished outer walls of the bowl holder, the bowl having a circular lower opening formed therein, said opening being of such size as to form a circumferential, narrow opening about the condensing dome, the upper wall of the dome being in substantially the plane of the lower inner wall of the bowl, said lower bowl wall being spaced above the lower circumferential portion of the dished bowl holder to form a trap chamber.

2,581,170
REFRIGERATED BOTTLE VENDING APPARATUS
August Carlson, Kansas City, Mo.
Application September 12, 1946, Serial No. 696,537
15 Claims. (Cl. 312—46)



2. Bottle vending apparatus comprising a magazine structure having multiple compartments for the bottles to be vended, bottle dispensing means in communicating relation to said magazine structure, means actuated by the operation of said dispensing means after a predetermined number of dispensing operations for shifting said magazine structure to locate a different bottle compartment in feeding relation to said dispensing means, and bottle ejecting means in receiving relation to said dispensing means.

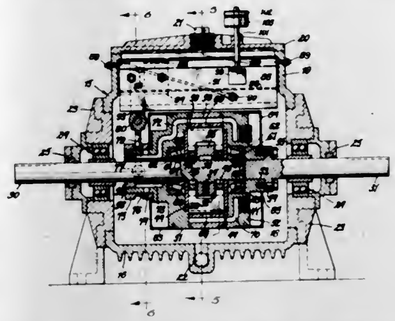
2,581,171
DRIVING MECHANISM FOR EXTENSIBLE ANTENNAS AND THE LIKE
Emil Carlson, Detroit, Mich., assignor, by mesne assignments, to H. Y. Bassett, O. D. Marcks, and V. D. Hanna, Detroit, Mich.
Application January 26, 1949, Serial No. 72,844
2 Claims. (Cl. 250—33)



1. Driving means for an extensible antenna or the like comprising an elongated flexible but substantially inelastic actuating element formed of insulating material mechanically connectible to such an antenna, a rotary driver engaging one face of said element to actuate the same and thereby to actuate an antenna connected to the actuating element when the driver is rotated, means for rotating the driver including a shaft upon which the driver is loosely mounted, clutch means for coupling the driver to the shaft, keying and camming means for actuating the clutch means and driver, means for connecting a driving motor to the shaft, said keying and camming means including a clutch plate axially slidable on the shaft, and relatively inclined camming abutment portions carried partly by the shaft and partly by said plate whereby when the shaft is turned, the engagement of said portions urges the plate longitudinally toward the driver.

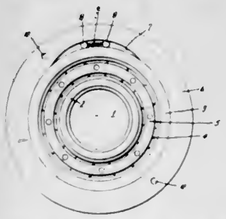
2,581,172
VANE TYPE HYDRAULIC TRANSMISSION
Robert H. Carson, Niagara Falls, N. Y., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York
Application August 16, 1947, Serial No. 768,953
9 Claims. (Cl. 192—58)

1. In a transmission having a casing adapted to contain a body of working fluid, a power input shaft extending into said casing, a power output shaft extending into said casing, a pump connecting said shafts and having a part rotating with said output shaft and immersed in said working fluid and pumping said working fluid from said body of working fluid back into said body of working fluid, and a throttling valve for said pump, the combination therewith of a governor for maintaining a maximum speed of said output shaft, comprising a paddle arranged in said body of working fluid adjacent said rotating



part in position to be deflected in response to the movement of said working fluid induced by the rotation of said rotating part, and means operatively connecting said paddle and throttling valve to open said throttling valve in response to increasing deflection of said paddle.

2,581,173
BEARING ASSEMBLY
John H. Crankshaw, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application January 26, 1951, Serial No. 207,964
5 Claims. (Cl. 308—236)



1. In a bearing assembly, an anti-friction bearing having inner and outer races with anti-friction bearing elements arranged therebetween, a housing member surrounding said outer race and having a recess formed in its inner surface facing said outer race, a pair of spaced apart wedging elements arranged in said recess, and resilient means for biasing said elements apart so that each of said elements engages the outer surface of said outer race and the inner surface of said recess whereby rotation of said outer race in said housing is prevented.

2,581,174
INSECTICIDES
Roy Cross, Kansas City, Mo.; Mary Forbes Cross and First National Bank of Kansas City, executors of said Roy Cross, deceased
No Drawing. Application April 13, 1945, Serial No. 588,247
4 Claims. (Cl. 167—30)

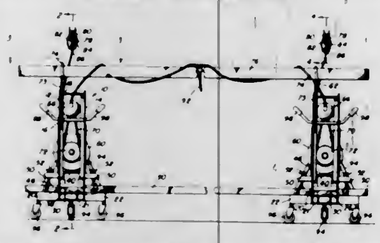
1. An insecticidal composition of matter comprising the combination of the active ingredient 1,1 bis (p-fluorophenyl) 2,2,2 trichlorethane, and a carrier of a petroleum hydrocarbon solvent.

2,581,175
SUGAR CANE DIFFUSING APPARATUS
Antonio Fernando de la Calle, Mexico City, Mexico, assignor to Delta Investment, Inc., Habana, Cuba, a corporation of the Republic of Panama
Application February 4, 1950, Serial No. 142,480
In Mexico February 15, 1949
12 Claims. (Cl. 127—5)



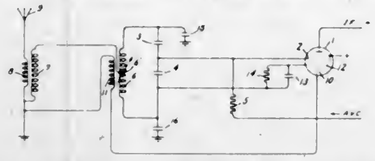
1. An apparatus of the character described, comprising an elongated trough, having side walls, means for delivering cane chips to one end of the trough, an endless drive, means at one end of the trough for operating said drive, said drive having spaced members forming spaced partitions longitudinally of the trough in movement of the drive therethrough, said partitions being adapted to move chips longitudinally of said trough, the trough having circulating chambers outwardly of said walls throughout the greater portion of their length, means comprising apertures in the lower portion of said side walls for placing moving separate compartments between said partitions in communication with said chambers, intercoupled valve members spaced longitudinally of each of said chambers controlling flow through said chambers and said compartments, said endless drive being actuated to slowly feed the partitions thereof longitudinally of the trough, means in operative engagement with said drive operating means and said valve members for intermittently shifting the position of the valve members in said circulating chambers for changing direction of fluid flow through the compartments, means admitting fluid at one end of said chambers, and means for discharging fluid from the other end thereof.

2,581,176
POWER-DRIVEN SCAFFOLD
Lloyd E. Dempsey, Portland, Oreg.
Application April 5, 1948, Serial No. 19,020
5 Claims. (Cl. 304—18)



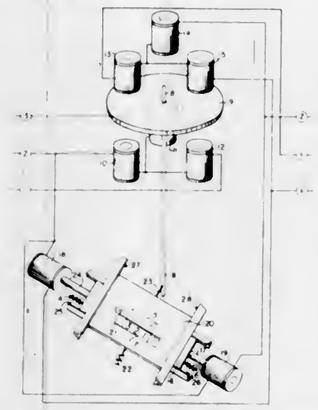
2. A power driven scaffold comprising a pair of frame members, each of said frame members including a pair of inverted substantially U-shaped sections and guide means between the ends of said sections, a support arm slidably and adjustably carried by the guide means of each frame member, rollers carried by the support arms for riding against a supporting structure, a cross-member fixed to each frame member, said cross-members extending between and above said guide means and overlying said arms, a platform extending between and supported on said arms, clamping means carried by said cross-members for clamping the platform against the arms, and power means associated with the frame members for selectively raising and lowering the frame members as a unit.

2,581,177
FREQUENCY CONVERSION SYSTEM FOR SUPERHETERODYNE RADIO RECEIVERS
Robert B. Dome, Geddes Township, Onondaga County, N. Y., assignor to General Electric Company, a corporation of New York
Application May 11, 1948, Serial No. 26,251
5 Claims. (Cl. 250—20)



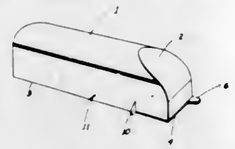
1. A frequency conversion system comprising a source of input signals, an oscillator and mixer electron discharge device means with a signal grid and an oscillator grid, a resonant circuit comprising a center-tapped inductance shunted by two capacitors in series, one of said grids being connected to one end of said inductance and the other to the junction of said capacitors, first input means connected to impress voltages between said center tap and a point of fixed reference potential, capacitive means connected between each end of said inductance and said point for balancing the alternating potentials with respect to said point, second input means connected to impress voltages across both halves of said inductance in series, one of said input means being energized from said source and the other from the output of said oscillator means, and tuning means for symmetrically adjusting the inductances of both halves of said inductance in unison.

2,581,178
PHASE SEQUENCE AND VOLTAGE DIRECTION INDICATOR
Warren Du Broff, Chicago, Ill., assignor of one-half to William E. Weber, Chicago, Ill.
Application November 22, 1949, Serial No. 128,706
9 Claims. (Cl. 172—245)



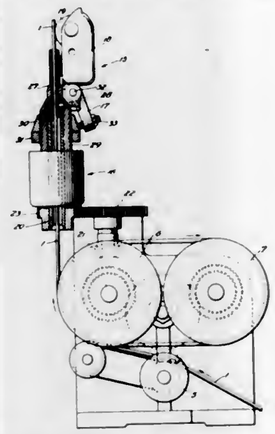
1. In an electrical phase sequence and voltage direction indicater adapted for use with two three-phase electrical circuits, sets of coils positioned to produce rotating fields, each set being associated with one of said circuits and connected thereto to be energized by it, means responsive to the energization of said sets of coils for comparing the direction of rotation of the fields to thereby determine whether the phase sequences of the two circuits are opposite or alike, and solenoid means connected to said circuits for simultaneously comparing the directions of the individual voltages of one of said circuits with reference to the other of said circuits.

2,581,179
PATTERN SCRIBING TOOL
Clarence L. Eldh, Stockton, Calif.
Application March 28, 1947, Serial No. 737,929
3 Claims. (Cl. 33—42)



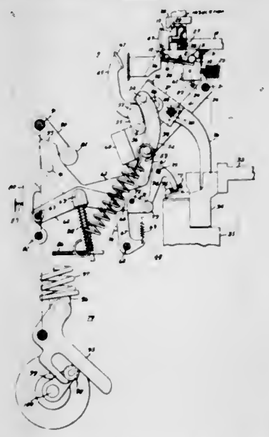
1. A pattern scribing tool comprising an elongated body of polygonal cross section, the bottom of the body being provided with a substantially rectangular recess, a plate fitted into the recess and being detachably secured to the body, a guide nub on the plate projecting forwardly of the body, the body being provided with a transverse slot cut into its bottom side to the rear of the recess, a cross strip fitted into the slot, such cross strip being provided with a notch in its bottom edge, a tongue on the inner edge of the plate, such tongue projecting into said notch whereby to maintain the cross strip in position in the slot, and a scoring blade on the cross strip depending below the bottom of the body.

2,581,180
APPARATUS FOR STRIPING WIRE
James L. Entwistle, Cranston, and Alden W. Nelson, Pawtucket, R. I., assignors to The James L. Entwistle Co., Pawtucket, R. I., a copartnership composed of James L. Entwistle and Margherita C. Entwistle
Application February 9, 1949, Serial No. 75,422
4 Claims. (Cl. 91—12)



1. A marking head for a wire striping machine comprising a single enclosed, smooth walled oblong structure for striping fluid, and having an opening in the upper half of the front wall at the juncture with the top, and a wheel rotatably mounted in the reservoir with its rim protruding through said opening and closely adjacent the inner back surface of the reservoir's wall, a plurality of said reservoirs mounted around the wire with which the wheels are in cooperative relation, a mounting bracket pivotally connected at one end to the bottom of each reservoir, an externally threaded hub surrounding the wire, an internally threaded nut having a tapered shoulder and movable on said hub, and a lug extending from the other end of each of said mounting brackets to engage said tapered shoulder whereby when said internally threaded nut is moved the position of said reservoirs with respect to the wire will be changed.

2,581,181
HEAVY-DUTY AIR CIRCUIT BREAKER
John A. Favre, Drexel, Pa., assignor to General Electric Company, a corporation of New York
Application January 7, 1950, Serial No. 137,411
14 Claims. (Cl. 200—153)



1. A circuit breaker having in combination, a pair of separately articulated abutting main contacts jointly movable in one direction, a pair of separately articulated abutting arcing contacts jointly movable in one direction, and operating mechanism having a tension link pivotally supported at one end to swing the other end in a direction transverse the direction of joint movement of the contacts and provided at the other end with sequential compression toggle links having separate pivotal connections with one of each pair of contacts for effecting separate and successive wiping disengagement and engagement of said pairs of contacts in reverse sequence as the compression links successively move away from and toward force amplifying alignment with the tension link.

2,581,182
INHALER
Mack R. Fields, Libertyville, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application March 14, 1950, Serial No. 149,491
8 Claims. (Cl. 128—206)

1. An inhaler comprising a body having a passage therethrough; a container for powdered medicament reciprocably disposed in said pas-

sage; said container having a restricted tubular opening at one end; means rigid with said body and extending through said tubular opening and including spaced portions adapted to fit and telescope in said tubular opening; the wall of said tubular opening being of sufficient length to bridge the space between said spaced telescoping portions, thereby forming a chamber of predetermined capacity; and stop means for limiting the movement of said container in both directions;



said stop means permitting the wall of said tubular opening to move far enough to clear said telescoping portions at either end, whereby the chamber defined may be opened to communicate with the interior of said container and receive powder or at the other end to discharge powder; said telescoping portions comprising a constriction in said passage having a central boss fitting said tubular opening and an axial pin rigid with said boss to support the other telescoping portion.

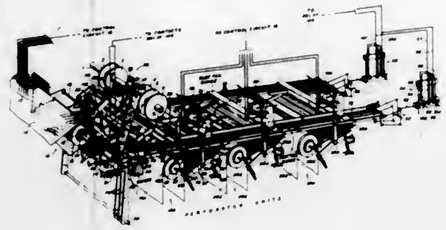
2,581,183
FOWL-PICKING APPARATUS
Joseph A. Galamb, Detroit, Mich., assignor to Fred Hanshaw, Port Huron, Mich.
Application September 26, 1947, Serial No. 776,279
3 Claims. (Cl. 17—11.1)



1. In feather-picking apparatus, a rotatable drum, a plurality of rubber feather-picking teeth on the periphery of said drum, and means detachably fastening each tooth separately to the drum, each of said fastening means comprising at least one mounting bracket fastened to the base portion of each tooth and each of said mounting brackets projecting below the tooth with which it is associated, said projecting portions extending through openings in the drum and provided with lateral flanges, said flanges engageable under said drum at one side of said openings, said openings having relatively large portions through which said flanges can be inserted into the drum and relatively small portions in which the brackets can be inserted to position the flanges for interlocking engagement with the drum; and means interlockingly engaging said flanges to hold the same normally in the relatively small portions of said openings.

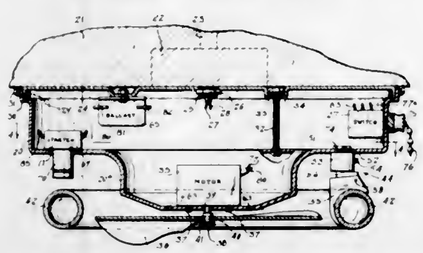
2,581,184
REPERFORATING APPARATUS
Harold W. Goff, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 23, 1948, Serial No. 50,754
8 Claims. (Cl. 164—115)

1. A gang reperforator comprising a plurality of perforator units each having an unperforated tape and movable punch pins, a plurality of movable code bars common to said perforator units and corresponding to said punch pins, locking means for each code bar normally locking said code bar against movement, said pins situated with respect to said code bars such that normally no coaction exists therebetween, a selecting mechanism common to all perforator units for selecting at least one of said units by moving the punch pins thereof into position to be actuated by corresponding code bars when said code bars are



moved, mechanical means selectively movable to selectively actuate certain of said locking means to thereby unlock certain corresponding code bars, said unlocked code bars arranged to be moved to thereby engage corresponding punch pins of said selected perforator unit for perforating said unperforated tape in accordance with the pattern of locking means actuated by said mechanical means.

2,581,185
COMBINATION LIGHT FIXTURE AND FAN
Samuel R. Gordon, New York, N. Y.
Application May 24, 1949, Serial No. 94,960
2 Claims. (Cl. 230—249.5)

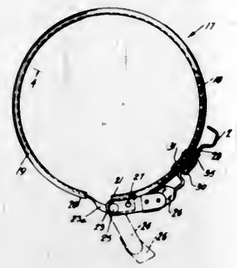


1. A ceiling-type lighting fixture comprising a hollow housing to be supported from a ceiling, a fan blade rotatively supported beneath said housing, and a lamp mounted on said housing, said fan blade being positioned at the center of said housing, said lamp being in the form of a circular fluorescent tube mounted horizontally on said housing on the same level as said fan blade and concentric with said fan blade to encircle said fan blade forming a guard for said fan blade.

2,581,186
PAPER HAVING IMPROVED PRINTING CHARACTERISTICS
Barrett K. Green, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
No Drawing. Application November 18, 1948, Serial No. 60,840
8 Claims. (Cl. 117—152)

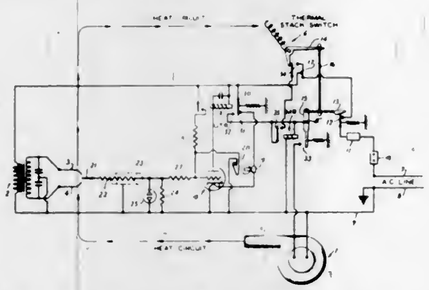
1. Paper filled with solid particles the major portion of which are zeolite material having internal adsorbent surfaces.

2,581,187
TAMPERPROOF SEALED BARREL CLOSURE
William J. Haley, Elizabeth, N. J.
Application July 19, 1946, Serial No. 684,870
1 Claim. (Cl. 24—68)



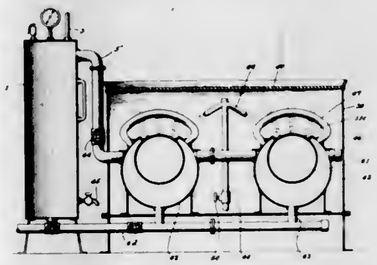
A device of the class described comprising a hoop, said hoop being split and adapted to be mounted on a body having a substantially circular cross-section, said hoop having means for interlocking the ends of the hoop comprising a lever pivotally secured to one of said ends, a pair of transversely aligned eyelets on the other of said ends, said eyelets having their forward sides open, said lever having oppositely disposed pins engageable in said eyelets, said outer hoop having a staple thereon spaced from said other end, said lever having a slot therethrough engageable over said staple, a post extending from said lever adjacent one leg of said staple and substantially in the plane of the staple, a U-shaped yoke having an opening through one arm extending transversely to the plane of the yoke, said post passing through said yoke opening thereby mounting said yoke on said post, said yoke being thereby pivotal into a position wherein the other arm of the yoke passes through the staple opening substantially at right angles to the plane of the staple, said yoke arms having aligned openings therethrough at right angles to said first yoke opening, an elongated seal passing through said aligned yoke openings and extending beyond the other leg of said staple thereby preventing rotation of said yoke to move said other of said yoke arms from said staple.

2,581,188
OIL BURNER SAFETY CONTROL SYSTEM
Frank H. Hibbard, Mountain Lakes, N. J.
Application August 2, 1948, Serial No. 42,023
13 Claims. (Cl. 158—28)



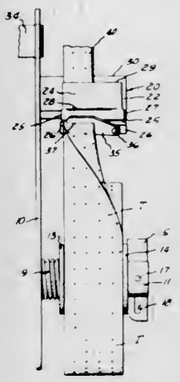
5. An oil burner safety system including an electrically operated oil pump, a source of power for the pump, a high voltage transformer, two electrodes connected to the transformer to form a spark gap for igniting oil, a probe made from similar material as the electrodes and located approximately in the center of said gap adapted to pick up an electrical triggering signal from a spark in the gap, control means connected to the probe for receiving said signal and for responding thereto to provide a connection for a limited period of time between said source of power and the pump, and means responsive to the heat produced by the ignited oil for maintaining the connection between the source of power and pump.

2,581,189
WATER-HEATING GAS BURNER
John Hobbs, New York, N. Y.
Application June 14, 1949, Serial No. 98,898
3 Claims. (Cl. 122—20)



3. A heater having a water circulating drum, a fuel header running through the latter and being exposed through one side, and pipes spanning the exposed part of the header and being connected to the water circulating drum.

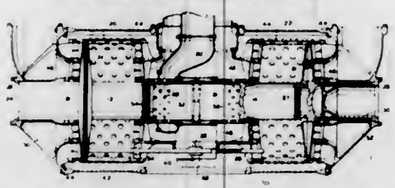
2,581,190
TAPE DISPENSING REEL AND ANGLE CRIMPER
Elmer L. Hodges, Denison, Tex., assignor of one-half to R. H. Otis, Denison, Tex.
Application May 10, 1948, Serial No. 26,048
9 Claims. (Cl. 153—11)



1. A tape dispensing reel including, a flat base plate, a spindle fixed at one end to and projecting perpendicularly from the base plate for supporting a roll of tape, a guide block carried by the base plate at a point spaced from the spindle and having a flat tape guiding surface extending perpendicular to the base plate, a resilient restraining clip detachably mounted on the guide block and having a resilient plate biased toward the guiding surface of the guide block for yield-

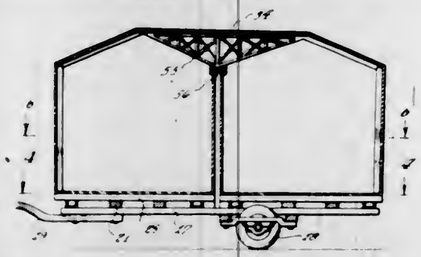
ably maintaining the free end of the tape in place on the guiding surface, and a tape cutting edge on the guide block at the edge of the guiding surface.

2,581,191
FREE-PISTON COMPRESSOR
Andrew Kalitinsky, New York, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 27, 1946, Serial No. 679,798
5 Claims. (Cl. 230—56)



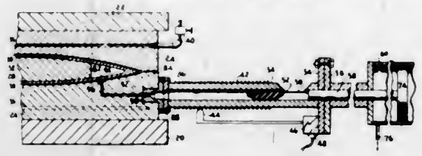
2. In a high-speed free-piston unit in which the piston assembly is moved alternately in opposite directtions by gas forces on the faces of the piston elements of the assembly, the method of running-in a unit at slow speed, which involves substantially increasing the weight of the piston assembly without a change in the essential dimensions thereof for temporarily reducing the normal frequency of the piston reciprocation during the run-in period, and subsequently removing the increase in weight to obtain a normal rate of piston reciprocation.

2,581,192
EXTENSIBLE TRAILER CABIN
John La Fleur, Poolville, N. Y.
Application June 30, 1949, Serial No. 102,221
1 Claim. (Cl. 20—2)



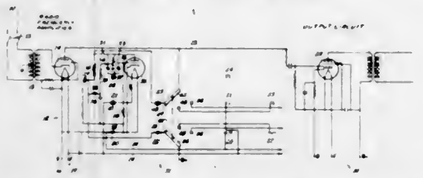
A cabin arrangement comprising a main supporting frame, front and rear main cabin portions extending laterally across the main frame and open between each other to provide a passage therebetween, each of said main cabin portions having gable roof formations, a transverse roof beam lying between the cabin portions, a truss beam supported upon said transverse beam and extending longitudinally of the main frame and extending between the gable ridges of the respective gable roof formations of the main cabin portions, an intermediate roof portion extending over the truss member and between the ridges of the respective gable roof formations of the main portions, said main frame having transverse channel pieces, extendible floor sections having rack bars slidable through the channel pieces, longitudinally extending pinion gear means for operating the rack members of the extendible floor sections, said extendible floor sections being extendible out of the respective outer ends of the front and rear main cabin portions, each of said extendible floor sections having end and side wall formations and gable roof formations lying therebetween and adjustable out of the gable roof formations of the cabin portions, each of said floor sections thereby providing separate rooms within the cabin, said frame having floor boards extending the full length thereof fixed to the frame, each of said floor sections having fixed boards on the outer ends thereof and removable boards for each of the sections adapted to lie, when in place, between the central boards of the main frame and the fixed boards of the respective adjustable floor sections.

2,581,193
METHOD OF FORMING DAMPING STRUCTURES
Frank M. Le Compte, Chatham, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application October 19, 1948, Serial No. 55,264
2 Claims. (Cl. 18—59)



1. The method of forming supporting and damping structure of plastic material in a hollow steel propeller blade having an access opening at one end only which comprises: preparing the inner surface of the blade to receive a structure forming plastic including a bonding agent; inserting within the blade through said access opening a plurality of interengageable, cavity defining mandrels to form a preshaped cavity within the blade; preheating the blade and cavity forming mandrels; simultaneously heating and injecting under pressure the raw plastic into the preshaped cavity within the blade; applying additional heat thereto, after injection, for curing the plastic; and finally extracting the cavity forming mandrels from the blade through said access opening, and cooling the blade and plastic.

2,581,194
RADIO TUNING SYSTEM
John M. Lester, Hempstead, and Ralph L. Thompson, Mineola, N. Y.
Application June 16, 1948, Serial No. 33,284
4 Claims. (Cl. 250—20)



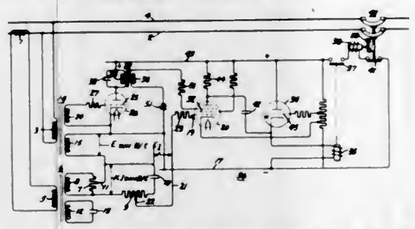
1. In receiver apparatus including a circuit for the reception and detection of electromagnetic waves having an input radio frequency amplifier adapted for the reception of incoming signals, and an output circuit; a plurality of manually replaceable and pretuned channel units each bearing respective pretuned circuits, one of said circuits including an independent oscillator member affording the fixed fundamental frequency for the particular channel to be selected by the unit; a housing having a plurality of groups of sockets connected with the respective circuits, and a two-bank switch associated with the housing and comprising a plurality of pairs of contacts respectively connected to predetermined pairs of the groups of sockets, together with a pair of arms movable jointly over paired contacts, one arm having permanent connection with the amplifier and with the output circuit and the other with the positive side of a B source of potential, the switching means when its arms are positioned on a selected pair of the paired contacts being adapted to connect a pretuned channel unit of a particular channel, when introduced, with the circuit for reception and detection of electromagnetic waves.

2,581,195
TRIM PANEL AND METHOD OF MAKING THE SAME
Fred Lyijynen, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application September 11, 1948, Serial No. 48,838
8 Claims. (Cl. 154—106)



8. The method of applying a metallic molding to a laminated structure including the steps of placing on said structure an insert strip treated with a bonding substance effective to form a bond under heat and pressure and a metallic strip covering the same and preformed to have the edges thereof folded around and beneath the edges of the insert strip with a bottom area of the latter exposed and confronting the upper surface of said structure between said folded edges, and pressing said strips as a unit against said structure to effect contact of the insert strip in said area with said upper surface of said structure and to bond the insert strip to said structure.

2,581,196
ELECTRONIC RELAY ARRANGEMENT FOR PROTECTING POWER SYSTEMS
Ronald H. Macpherson, Woodbury, N. J., assignor to General Electric Company, a corporation of New York
Application October 14, 1948, Serial No. 54,368
4 Claims. (Cl. 250—27)



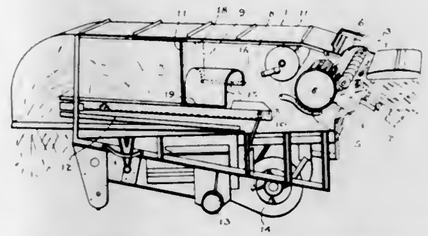
1. A memory action pulsing circuit comprising normally operative means for producing a potential at regular periodic intervals, a peaking transformer having a primary winding periodically energized by said normally operative means and a secondary winding connected to an output circuit, and capacitance means in parallel with said primary winding, said capacitance means having a value of capacitive reactance sufficient to produce a periodic energization of said peaking transformer at said regular intervals after said normally operative means becomes inoperable.

2,581,197
HYDRAULICALLY CONTROLLED ADJUSTABLE BACK REST FOR SEATS AND CHAIRS
Harry M. McFadden, Wichita, Kans., assignor to Boeing Airplane Company, Wichita, Kans.
Application September 24, 1947, Serial No. 775,851
4 Claims. (Cl. 155—159)



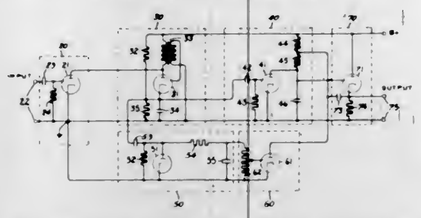
1. A seat comprising in combination: A supported seat base; an arm support rigidly connected to the base and having a socket therein; a back rest pivotally connected to the seat base; an extensible hydraulic piston and cylinder unit for controlling the tilting of the back rest; a post pivotally connected to one end of said unit and adapted to seat removably in the socket of the arm support; removable means pivotally connecting the other end of said unit to the back rest; and means for controlling the elongation and contraction of the unit.

2,581,198
GRAIN SAVING DEVICE FOR THRESHING MACHINES
Silas F. McPhail, Windsor, Ontario, Canada
Application February 24, 1949, Serial No. 78,099
3 Claims. (Cl. 130—27)



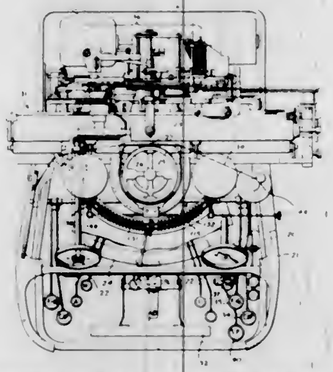
1. In a threshing machine or the like, including a threshing cylinder and concave therefor, a beater, a straw deck and grain pan, a tunnel-like member arranged above and extending longitudinally of the straw deck and located to present a horizontally extending transversely arched partition between gravity-separated streams of straw and grain thrown out by said beater and threshing cylinder and guiding said straw through the transverse arch therebeneath longitudinally of said straw deck and deflecting grain received thereon transversely either side of the straw moving therebeneath, and a deflecting surface projecting above said tunnel-like member to deflect grain thrown out by said beater and threshing cylinder above said tunnel-like member onto the upper surface thereof to be deflected thereby.

2,581,199
SAWTOOTH WAVE GENERATOR
Robert E. Moe, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application September 4, 1948, Serial No. 47,827
3 Claims. (Cl. 250—36)



1. An electric wave generator comprising a source of electrical oscillations, a pulse generating circuit synchronized by said oscillations for generating a corresponding series of voltage pulses each of short duration relative to the period of one of said oscillations, a sawtooth generator comprising a source of fixed unidirectional potential, a fixed resistance, a capacitance and an electronic valve having a cathode, an anode and a control grid, said resistance and said capacitance being serially connected across said source of potential and said valve being connected across said capacitance, means for applying said pulses to said control grid in such polarity that said valve is recurrently rendered conducting to discharge said capacitance, a counter circuit comprising a rectifying device and a filter to which said pulses are applied for generating a bias voltage proportional to the recurrence rate of said pulses, and means to apply said bias voltage between a point on said resistance and the electrode of said capacitance remote from said resistance whereby the charging rate of said capacitance is made to vary in accordance with said variable frequency.

2,581,200
TYPEWRITER CARRIAGE SPACING CONTROL
Charles W. Norton, West Orange, N. J., assignor to Ralph C. Coxhead Corporation, New York, N. Y., a corporation of Delaware
Application April 16, 1948, Serial No. 21,360
18 Claims. (Cl. 197—84)



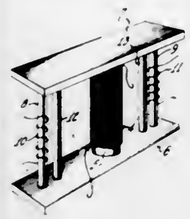
1. In a typewriter having embossed type carried on a type shuttle indexed at a printing point and readily replaceable by another type shuttle and a movable paper carriage; a differential spacing escapement mechanism for varying within a single font of type the carriage spacing movement in accordance with the width of the type character being printed, means for disabling the differential spacing escapement mechanism so as to produce uniform carriage spacing movement, and selective means operatively interposed between the escapement mechanism and the carriage for uniformly altering by fixed ratios the length of the carriage spacing movement produced by the escapement mechanism.

2,581,201
TOY FLATCAR
Frank Pettit, Union, N. J., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application June 27, 1947, Serial No. 757,363
6 Claims. (Cl. 46—214)



1. A toy car having a car body, fixed stakes along one side of the car body, swingable stakes and a concentrically pivoted, tiltable platform pivotally secured along the other side of the car body, the platform normally resting by gravity on top of the car body, means including linkage connected with the swingable stakes and engaged with the platform and body when the platform is in normal position for holding the swingable stakes in raised position, and electromagnetic means for raising the platform to release the swingable stakes so that a load in the platform laterally shiftable on tilting of the platform will effect swinging of the swingable stakes.

2,581,202
MULTISTAGE VARIABLE-SATURATION TUNING SYSTEM AND APPARATUS
Donald B. Post, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 25, 1949, Serial No. 129,352
18 Claims. (Cl. 250—40)



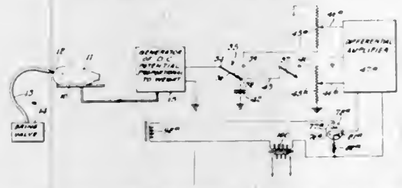
1. A multi-stage variable saturation tuning system comprising in combination: a constant potential power supply means; a plurality of permeability tunable circuit windings each having a saturable core; a magnetic element providing a closed low reluctance magnetic path with each of said saturable cores; a saturating inductor having a high permeability core element; frame members of high permeability material connecting said magnetic element with said saturable cores and completing a series magnetic path through the said inductor core and each of said saturable cores; a variable current regulating device; and electrical connections completing a series circuit including said inductor, said regulating device and said power supply means.

2,581,203
AUTOMOBILE ARMREST
Nicholas J. Rakas, Huntington Woods, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 26, 1946, Serial No. 699,482
1 Claim. (Cl. 155—198)



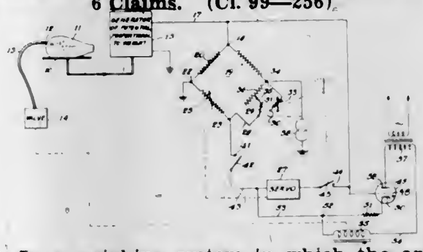
An arm rest for a motor vehicle comprising a support provided with side walls and having a body portion and terminal leg portions extending transversely therefrom, said leg portions being adapted to be secured to a vehicle panel with said body portion spaced from said panel and a resilient cushion member carried by said support and having a body portion and terminal leg portions, said resilient cushion member having a top portion, side portions which depend from the entire periphery of said top portion and ribs formed integrally with said top portion and said side portions, said ribs resting upon said support and said side portions having sufficient depth to overlap and cover all side walls of said support, the ribs in the body portion of said cushion member being arranged in a pattern to define diamond shaped spaces therebetween and the ribs in said leg portions being arranged in a different pattern to define substantially rectangular and triangular spaces therebetween.

2,581,204
WEIGHING SYSTEM FOR A PROCESSING OPERATION
George W. Reilly, Jr., Minneapolis, Minn., assignor to Wilson & Co., Inc., a corporation of Delaware
Application June 7, 1950, Serial No. 166,707
12 Claims. (Cl. 99—256)



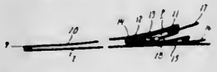
1. In a weighing system in which the article being weighed is subject to processing resulting in a change in weight, the combination of means for generating an electric potential having a value which is a linear function of the weight of the article, a condenser, means for initially charging said condenser from said potential generator to a potential corresponding to the base weight of the article prior to processing, means for disconnecting said charged condenser and initiating processing of said article, means for comparing the instantaneous potential at the output of said generator during article processing with the potential of the charged condenser, and means responsive to a difference in potential between the base weight potential and instantaneous processing potential corresponding to a proportional change in weight of the article for terminating processing.

2,581,205
WEIGHING SYSTEM FOR A PROCESSING OPERATION
George W. Reilly, Jr., Minneapolis, Minn., assignor to Wilson & Co., Inc., a corporation of Delaware
Application June 7, 1950, Serial No. 166,708
6 Claims. (Cl. 99—256)



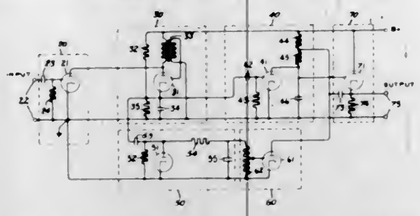
1. In a weighing system in which the article being weighed is subject to processing causing a change in weight and in which the processing is to be terminated after said article has changed weight by a predetermined percentage of its base weight, the combination of means for generating a potential whose value is proportional to the weight of said article, a second source of potential having a substantially constant value, a bridge having four arms, at least two arms of which contain substantial resistance, means for impressing the generator output and the potential from said second source upon said bridge at different portions thereon, means for varying resistance in the bridge to balance the bridge for a base weight potential of said generator against the output of said second potential source, means for unbalancing said bridge by changing resistance in the bridge by a predetermined amount, means responsive to said bridge unbalance for initiating processing of said article, and means responsive to a condition of bridge balance for terminating the processing, said other bridge arm being unbalanced enough and in such direction as to require the generator potential to change by a predetermined proportion of the base weight potential.

2,581,206
APPAREL GARMENT
Milton G. Rosenfeld, Ladue, Mo.
Application August 14, 1948, Serial No. 44,322
4 Claims. (Cl. 2—97)



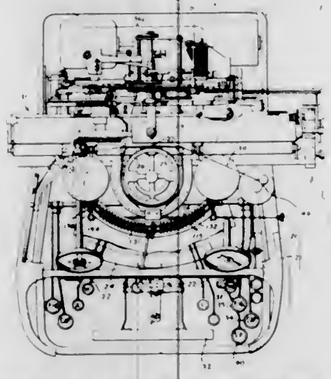
1. An apparel garment comprising, in combination, a body portion provided with a permanent lining, an inwardly presented facing strip turned back upon itself along a fold line to form an under flap having a concealed inner margin, a placket flap disposed on the inner face of the

2,581,199
SAWTOOTH WAVE GENERATOR
Robert E. Moe, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application September 4, 1948, Serial No. 47,827
3 Claims. (Cl. 250—36)



1. An electric wave generator comprising a source of electrical oscillations, a pulse generating circuit synchronized by said oscillations for generating a corresponding series of voltage pulses each of short duration relative to the period of one of said oscillations, a sawtooth generator comprising a source of fixed unidirectional potential, a fixed resistance, a capacitance and an electronic valve having a cathode, an anode and a control grid, said resistance and said capacitance being serially connected across said source of potential and said valve being connected across said capacitance, means for applying said pulses to said control grid in such polarity that said valve is recurrently rendered conducting to discharge said capacitance, a counter circuit comprising a rectifying device and a filter to which said pulses are applied for generating a bias voltage proportional to the recurrence rate of said pulses, and means to apply said bias voltage between a point on said resistance and the electrode of said capacitance remote from said resistance whereby the charging rate of said capacitance is made to vary in accordance with said variable frequency.

2,581,200
TYPEWRITER CARRIAGE SPACING CONTROL
Charles W. Norton, West Orange, N. J., assignor to Ralph C. Coxhead Corporation, New York, N. Y., a corporation of Delaware
Application April 16, 1948, Serial No. 21,360
18 Claims. (Cl. 197—84)



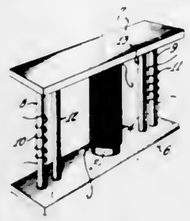
1. In a typewriter having embossed type carried on a type shuttle indexed at a printing point and readily replaceable by another type shuttle and a movable paper carriage; a differential spacing escapement mechanism for varying within a single font of type the carriage spacing movement in accordance with the width of the type character being printed, means for disabling the differential spacing escapement mechanism so as to produce uniform carriage spacing movement, and selective means operatively interposed between the escapement mechanism and the carriage for uniformly altering by fixed ratios the length of the carriage spacing movement produced by the escapement mechanism.

2,581,201
TOY FLATCAR
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6 Claims. (Cl. 46—214)



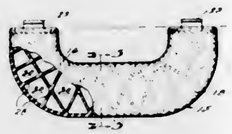
1. A toy car having a car body, fixed stakes along one side of the car body, swingable stakes and a concentrically pivoted, tiltable platform pivotally secured along the other side of the car body, the platform normally resting by gravity on top of the car body, means including linkage connected with the swingable stakes and engaged with the platform and body when the platform is in normal position for holding the swingable stakes in raised position, and electromagnetic means for raising the platform to release the swingable stakes so that a load in the platform laterally shiftable on tilting of the platform will effect swinging of the swingable stakes.

2,581,202
MULTISTAGE VARIABLE-SATURATION TUNING SYSTEM AND APPARATUS
Donald B. Post, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 25, 1949, Serial No. 129,352
18 Claims. (Cl. 250—40)



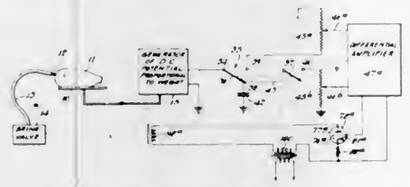
1. A multi-stage variable saturation tuning system comprising in combination: a constant potential power supply means; a plurality of permeability tunable circuit windings each having a saturable core; a magnetic element providing a closed low reluctance magnetic path with each of said saturable cores; a saturating inductor having a high permeability core element; frame members of high permeability material connecting said magnetic element with said saturable cores and completing a series magnetic path through the said inductor core and each of said saturable cores; a variable current regulating device; and electrical connections completing a series circuit including said inductor, said regulating device and said power supply means.

2,581,203
AUTOMOBILE ARMREST
Nicholas J. Rakas, Huntington Woods, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 26, 1946, Serial No. 699,482
1 Claim. (Cl. 155—198)



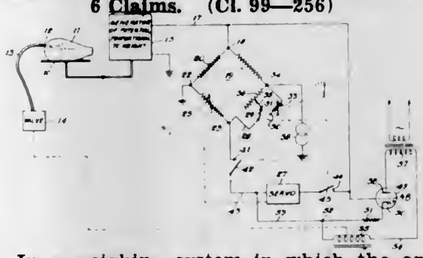
An arm rest for a motor vehicle comprising a support provided with side walls and having a body portion and terminal leg portions extending transversely therefrom, said leg portions being adapted to be secured to a vehicle panel with said body portion spaced from said panel and a resilient cushion member carried by said support and having a body portion and terminal leg portions, said resilient cushion member having a top portion, side portions which depend from the entire periphery of said top portion and ribs formed integrally with said top portion and said side portions, said ribs resting upon said support and said side portions having sufficient depth to overlap and cover all side walls of said support, the ribs in the body portion of said cushion member being arranged in a pattern to define diamond shaped spaces therebetween and the ribs in said leg portions being arranged in a different pattern to define substantially rectangular and triangular spaces therebetween.

2,581,204
WEIGHING SYSTEM FOR A PROCESSING OPERATION
George W. Reilly, Jr., Minneapolis, Minn., assignor to Wilson & Co., Inc., a corporation of Delaware
Application June 7, 1950, Serial No. 166,707
12 Claims. (Cl. 99—256)



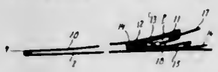
1. In a weighing system in which the article being weighed is subject to processing resulting in a change in weight, the combination of means for generating an electric potential having a value which is a linear function of the weight of the article, a condenser, means for initially charging said condenser from said potential generator to a potential corresponding to the base weight of the article prior to processing, means for disconnecting said charged condenser and initiating processing of said article, means for comparing the instantaneous potential at the output of said generator during article processing with the potential of the charged condenser, and means responsive to a difference in potential between the base weight potential and instantaneous processing potential corresponding to a proportional change in weight of the article for terminating processing.

2,581,205
WEIGHING SYSTEM FOR A PROCESSING OPERATION
George W. Reilly, Jr., Minneapolis, Minn., assignor to Wilson & Co., Inc., a corporation of Delaware
Application June 7, 1950, Serial No. 166,708
6 Claims. (Cl. 99—256)



1. In a weighing system in which the article being weighed is subject to processing causing a change in weight and in which the processing is to be terminated after said article has changed weight by a predetermined percentage of its base weight, the combination of means for generating a potential whose value is proportional to the weight of said article, a second source of potential having a substantially constant value, a bridge having four arms, at least two arms of which contain substantial resistance, means for impressing the generator output and the potential from said second source upon said bridge at different portions thereon, means for varying resistance in the bridge to balance the bridge for a base weight potential of said generator against the output of said second potential source, means for unbalancing said bridge by changing resistance in the bridge by a predetermined amount, means responsive to said bridge unbalance for initiating processing of said article, and means responsive to a condition of bridge balance for terminating the processing, said other bridge arm being unbalanced enough and in such direction as to require the generator potential to change by a predetermined proportion of the base weight potential.

2,581,206
APPAREL GARMENT
Milton G. Rosenfeld, Ladue, Mo.
Application August 14, 1948, Serial No. 44,322
4 Claims. (Cl. 2—97)



1. An apparel garment comprising, in combination, a body portion provided with a permanent lining, an inwardly presented facing strip turned back upon itself along a fold line to form an under flap having a concealed inner margin, a placket flap disposed on the inner face of the

under flap with its inner margin approximately coincident with the concealed inner margin of the under flap and being substantially wider than the under flap so that its outer margin lies outwardly with respect to the fold line of the facing strip, said under flap and placket flap conjointly forming a placket, a removable lining having a slide fastener tape along one margin thereof, and a mating slide fastener tape disposed entirely within the placket between the said flaps, the under flap being secured adjacent its free margin to the facing strip by a first line of stitches and the placket flap being secured to the permanent lining and the facing strip by a second line of stitches spaced inwardly from the first line of stitches, the free margin of the mating tape being spaced inwardly from the free margins of the said flaps by a distance greater than the distance between the outer margin of the removable lining and the edge of its associated tape for detachably securing the removable lining to the garment with the said removable lining margin concealed within the placket.

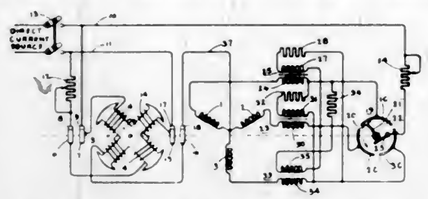
2,581,207
TOUCH ADJUSTMENT FOR ELECTRIC CONTROL DEVICES
Robert F. Sambleson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application January 18, 1951, Serial No. 206,572
2 Claims. (Cl. 116—114)



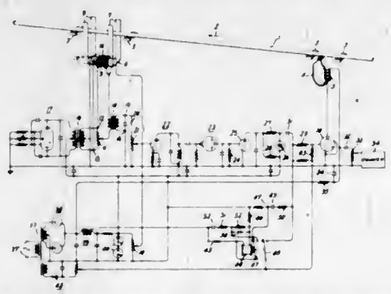
1. A casing for an electrical control device having a manually positionable operating member movable along a predetermined path between extreme positions corresponding to minimum and maximum values of the controlled quantity, and having raised projections of progressively varying elevation located adjacent to said path and arranged in order with the projection of minimum elevation located at the control position corresponding to minimum value of the controlled quantity and the projection of maximum elevation located at the position corresponding to maximum value of the controlled quantity to provide setting of said operating member for a desired value of the controlled quantity by the sense of feel.

2,581,208
VARIABLE-SPEED ELECTRIC MOTOR
August Schmidt, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 15, 1950, Serial No. 144,290
14 Claims. (Cl. 172—36)

1. An electric motor comprising a field winding, a plurality of armature windings, means for periodically energizing each of said armature windings in a predetermined sequence from a source of direct current electric energy, and variable reactance means in series with each of said armature windings, and means for saturating each of said reactance means prior to the initiation of the flow of current in the associated armature winding.



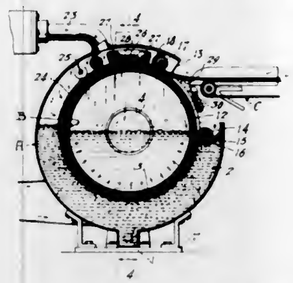
2,581,209
MAGNETIC WIRE FOOTAGE METER
Billy R. Shepard and Thomas T. Short, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application January 13, 1950, Serial No. 138,498
5 Claims. (Cl. 175—183)



3. A footage meter for magnetizable wire moving past the meter, comprising marking means for placing successive magnetic marks along the length of such material, pickup means spaced a predetermined distance from said marking means along the direction of travel of such material, and means for actuating said marking means each time a magnetic mark passes said pickup means, whereby such magnetic marks are evenly spaced a predetermined distance apart along the length of such material, characterized in that the pickup means comprises a magnetic member having a two-legged saturable portion and a pair of pole pieces at each end of such portion, said member being positioned so that the wire measured passes between the two pole pieces of one such pair and then between the two pole pieces of the other such pair, and windings on the respective legs of such saturable portion, whereby each magnetic mark passing the pickup means provides magnetic flux through the saturable portion of the pickup and thereby alters the impedance characteristics of said windings.

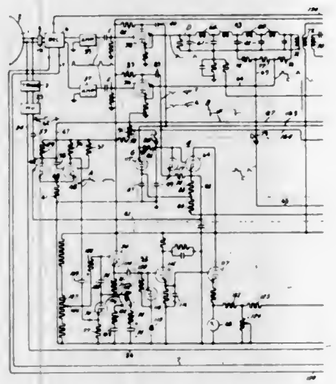
2,581,210
POSITIVE PRESSURE MACHINE FOR FORMING CONTINUOUS STRIPS OF ASBESTOS-CEMENT COMPOSITIONS AND THE LIKE
Alvan D. Simpson, Plainfield, N. J., assignor to The Forming Machine Company of America, Inc., Bound Brook, N. J., a corporation of Delaware
Application April 29, 1948, Serial No. 24,054
10 Claims. (Cl. 92—43)

1. A machine for forming a continuous strip of material from a wet mix of the order of liquid having cement and fibers in suspension, comprising a tank capable of holding such a mix in the lower portion thereof, said tank having an opening in a wall extending above the level of the mix and being otherwise closed, a hollow cylinder or drum having a foraminous circumferential wall and mounted in said tank to rotate on a horizontal axis so that the major portion of the periphery of at least the lower half thereof will be submerged in the mix and its upper portion will be disposed above the mix and is juxtaposed to said opening so that the interior of said drum communicates through said opening with the atmosphere, means sealing said opening to make



fluid-tight the space between said mix and said drum and said tank wall except through said foraminous wall at said opening, means for raising the pressure in said space substantially above atmospheric pressure independently of the static head of the mix to first force a deposit of solids from said mix in a layer on the portion of said foraminous wall that is in said mix and to force liquid from the layer of mix on the portion of the drum that is above the level of said mix, means for removing from said drum and tank the liquid which passes through said foraminous wall, and means for guiding the deposited continuous strip from the drum through said opening.

2,581,211
RANGE TRACKING PULSE ECHO SYSTEM
Robert L. Sink, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 3, 1944, Serial No. 543,235
21 Claims. (Cl. 343—13)



1. In combination, a pulse transmitter, an echo differential device, means to receive echoes of said pulses and to transmit said echoes through separate paths to said differential device, a multivibrator, a pulse generator, means to key said transmitter to transmit a pulse at a time fixed in the cycle of said multivibrator and to key said pulse generator to generate a pulse at a time variably later in said cycle, means to supply said pulse to said paths over successive intervals, said paths being normally inoperative and each path including means to render it operative during said pulses whereby said paths are operative over said successive intervals, said differential device including means to integrate the pulses transmitted through said paths and to differentiate the integrals produced thereby, and means responsive to the difference between said integrals to control the time when said pulse generator is keyed.

2,581,212
ELECTRICALLY HEATED FABRIC
David C. Spooner, Jr., Westport, and Milton S. Greenhalgh, Bridgeport, Conn., assignors to General Electric Company, a corporation of New York
Application May 4, 1949, Serial No. 91,396
5 Claims. (Cl. 219—46)

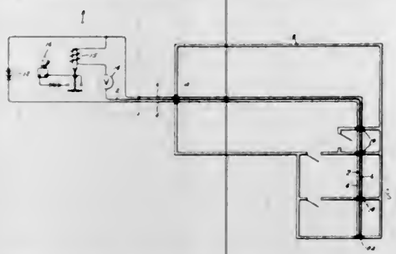


4. As a new article of manufacture, the combination with a flexible fabric of a heater wire and control element therefor, said heater wire and control element comprising a flexible electrically insulating core, an electric heat generating conductor helically wound thereon, a substantially uniform, relatively thin layer of a flexible synthetic polyamide resin disposed about said conductor in contact therewith throughout its length, a signal electric conductor helically wound throughout its length upon said layer in surface contact therewith, said heat generating and signal conductors and layer being substantially coextensive, and said resin having a temperature impedance coefficient to insulate electrically said heat and signal conductors one from the other at a normal temperature of around 105° F., and to provide a conductive path between said conductors to pass electrical current of controlling magnitude at elevated control temperatures materially in excess of 105° F. but materially below a temperature of around 500° F. and which temperatures vary inversely with the length of said resin which is heated to said elevated temperatures.

2,581,213
TEMPERATURE RESPONSIVE SIGNALING AND LOCATING SYSTEM
David C. Spooner, Jr., Westport, Conn., assignor to General Electric Company, a corporation of New York
Application December 15, 1949, Serial No. 133,139
6 Claims. (Cl. 177—311)

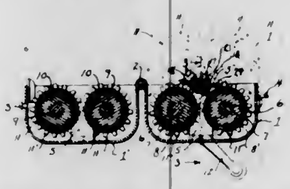
1. In an overheat detection and locating system including an electrical measuring instrument at a signal station, a sectional signal cable comprising first and second coextensive signal conductors, a thin flexible layer of thermoplastic material in surface contact with both of said signal conductors and maintaining said signal conductors in uniform spaced relation, said material being an electric insulator at one temperature and having a negative temperature-resistance characteristic such that conduction of electric current of control magnitude occurs at a predetermined high temperature without substantial physical and chemical change in said

material, a coextensive return conductor of relatively low resistance per unit length, at least one terminal block adapted to interconnect the three conductors of one cable length with corresponding conductors of another cable length, said terminal block at the remote end of the system from the signal station including means interconnecting one of said signal conductors with said return conductor to provide a closed electrical conducting loop extending through the en-



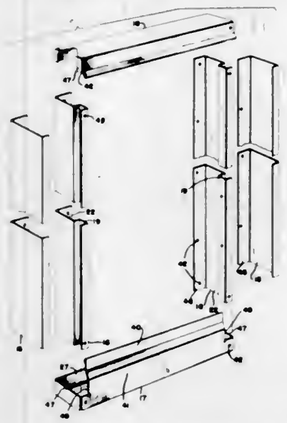
tire area under protection and resulting in a measurable potential gradient along said one signal conductor when a constant voltage is impressed on said loop, said electrical measuring instrument being connected across said return conductor and the other of said signal conductors to measure the distance along the cable to the point of conduction through said thermoplastic material on occurrence of said predetermined high temperature.

2,581,214
RAZOR BLADE SHARPENER
Vaclav F. Stegner, Racine, Wis.
Application November 17, 1949, Serial No. 127,952
1 Claim. (Cl. 51—86)



A sharpener for double-edge razor blades comprising housing sections in pivotal connection and adapted to close one over the other, a pair of bearing brackets carried by each housing section, a pair of equally spaced longitudinal shafts journalled in each pair of bearing brackets respectively, abrasive cylinders mounted on said shafts, said shafts being geared for synchronous rotation when the housing sections are closed one over the other, a crank splined to one of said shafts whereby said associated abrading cylinder is a master cylinder, a cam secured on one end of said master cylinder and adapted to rotate therewith, said cam having an outer circular face and an inner circular face and a throat opening formed in said outer cam face in open communication with said inner cam face, a transversely extending gate pivoted at one end to the inner cam face and having its other end terminating adjacent the upper surface of the outer face, said pivoted gate adapted to move across said throat opening in the outer cam face, a spring secured to said gate adapted to resiliently urge said gate against one end of the throat opening, a longitudinal clamping rod journalled in one pair of said brackets centrally between said abrasive cylinders, means on said clamping rod for detachably holding a double-edge blade, a lever having one end secured to the clamping rod and its other end resiliently secured to said bracket, and a roller mounted on said lever intermediate its ends for alternately engaging said cam faces, whereby upon rotation of the cam said roller will be urged into the open throat and onto the inner cam face to engage said pivoted gate and move said gate against spring tension to the opposite end of the throat opening to guide said roller through the throat opening and onto the outer circular cam face, thereby causing the cutting edges of the blade to alternately engage the pairs of diagonally disposed abrading cylinders.

2,581,215
OUTSIDE METAL BLIND
William H. Stewart, Oklahoma City, Okla.
Application March 25, 1949, Serial No. 83,469
3 Claims. (Cl. 189—62)

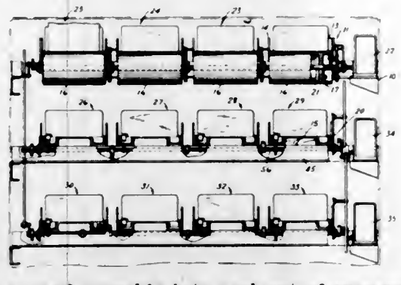


2. In an outside blind a metallic frame structure including vertical side members each formed with a pair of channels, one projecting inwardly and the other outwardly to provide mountings for louvers and housings for louver connecting links, upper and lower end members of channel formation secured to the upper ends of said vertical side members, said upper and lower end members having end extensions bent to engage the outer sides of the vertical side members, and outer finishing side channels extending over the outer sides of said vertical side members between said upper and lower end members and the ends of the bent extensions thereof.

2,581,216
VENDING AND DISPENSING DEVICE
William S. Tandler, New York, N. Y., Robert G. Fleuriot, Englewood, N. J., and Carlton F. Peck, New York, N. Y., assignors to Vendomatic Machine Corporation, New York, N. Y., a corporation of Delaware
Application October 21, 1947, Serial No. 781,210
3 Claims. (Cl. 312—71)

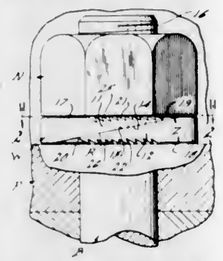
1. An article dispensing device comprising a plurality of article supporting and advancing means, each supporting and advancing means comprising a support, a drive shaft, a rotary member rotatably mounted on said shaft, means mounted on said support and connected with said rotary member for advancing articles along

said support, a ratchet member mounted on said shaft and normally rotatable with said rotary member, clutch means on said shaft, cooperating clutch means carried by said rotary member for connecting the latter to said shaft, means carried by said ratchet member for disengaging said clutch means on said shaft and said rotary member when said ratchet is restrained against rota-



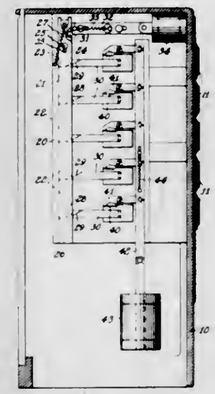
tion, a pawl movable into and out of engagement with said ratchet to restrain and release said ratchet, and a series of cam elements, each element being adjacent a different pawl, and means for moving said cams to successively disengage said pawl from their corresponding ratchets to cause said rotary members to be driven in succession by said shaft.

2,581,217
LOCK WASHER
Sydney L. Terry, St. Clair Shores, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 23, 1949, Serial No. 117,305
6 Claims. (Cl. 151—36)



1. A lock washer adapted to be mounted on a threaded member comprising a split ring of flexible material having bevel cut, overlapping, end portions each of which is formed with opposed, inwardly and outwardly disposed faces, said inwardly disposed faces of the washer end portions being frictionally and slidably engageable along an inclined plane extending between the outwardly disposed faces of the lock washer wherein the plane inclination is in the same direction as but is of greater degree than the pitch of the threads of the threaded member on which the washer is mounted, said outwardly disposed faces of said washer overlapping end portions each including radially extending, serrated friction grip means adapted to be frictionally engaged with the surfaces of elements placed adjacent thereto, said washer having a thickness in an axial direction along the portions of overlapping ends that is slightly greater than the thickness of the washer at other locations around the circumference thereof, the condition of the said faces of the washer end portions being such that the coefficient of friction between said friction grip means and the material engaged therewith is greater than the coefficient of friction between the slidably engaged, inwardly disposed faces of the washer end portions.

2,581,218
INTERLOCKING MECHANISM FOR REGISTER APPARATUS
Ralph L. Thompson, Mineola, N. Y., assignor to Gerard V. Smith, Westwood, N. J.
Application December 20, 1946, Serial No. 717,533
15 Claims. (Cl. 74—483)

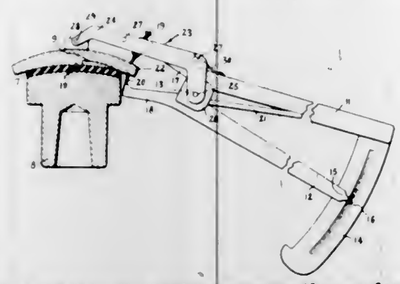


1. In a keyboard: the combination with a casing, a plurality of externally accessible, manually depressible members mounted therein, and a circuit controlling member for each member for actuation respectively thereby upon complete depression of a corresponding member; of means associated with the respective depressible members normally preventing retraction of a depressed member; and displaceable means engageable by the respective depressible members adapted for accommodation of but a single one at a time; a reciprocable member adapted to block displacement of the displaceable means, together with means acting to urge the reciprocable blocking member in a direction to prevent displacement of the displaceable means; and a plurality of electrically operated means for releasing in predetermined sequence the reciprocable displaceable means blocking member and the retraction preventing means.

2,581,219
THICKNESS GAUGE
Milton R. Thorburn, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application October 26, 1949, Serial No. 123,578
8 Claims. (Cl. 33—148)

1. A device for measuring the thickness of articles such as lenses comprising a gauge having gauging points adapted to engage the opposed side surfaces of the article, indicating means operable in response to the position of said gauging points for indicating the thickness of said article in accordance with the spacing between said gauging points when in engagement with the surfaces of said article, an arm-like member connected to said gauge and extending forwardly of the gauging points, and alignment means carried by said arm-like portion and positioned at a controlled distance from said gauging points to engage one of said surfaces in substantial coincidence with a

predetermined point of the article for controlling the distance from said predetermined point at



which said gauging points engage the surfaces of the article.

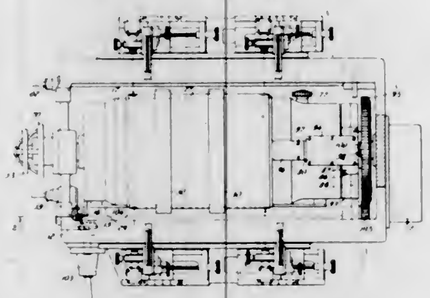
2,581,220

PLATE STOP MECHANISM FOR STEREOTYPE PLATE REGISTERING AND TRIMMING MACHINES

Paul L. Tollison, North Plainfield, and Charles L. Ricards, South Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia

Original application April 27, 1948, Serial No. 23,444. Divided and this application June 9, 1950, Serial No. 166,996

4 Claims. (Cl. 90—15)



1. In a curved stereotype plate registering and trimming machine, in combination, a mechanism compartment, a plate carrying cylinder rotatably mounted in said compartment, a plate end stop mounted in said compartment and having a stop element extending adjacent the cylindrical surface of said cylinder near one end thereof, means for mounting said stop element to move longitudinally of said cylinder, resilient means biasing said stop elements to move toward the adjacent end of said cylinder rotatable means for turning said cylinder, and means operated by said rotatable means for permitting said stop element to move toward the adjacent end of said cylinder under the bias of said resilient means when rotation of said cylinder is initiated.

2,581,221

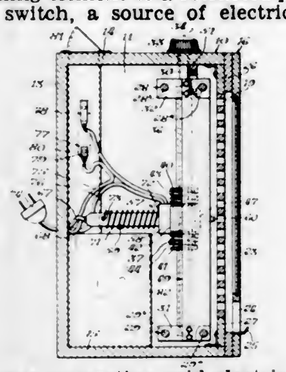
SELECTIVE PUNCHING AND DISPENSING MECHANISM

Virgil A. Turner, Blair S. Alden, and Frank S. Alden, Anna, Ill.

Application February 12, 1949, Serial No. 75,994

4 Claims. (Cl. 312—87)

1. A machine for selectively punching light beam transmitting portions of a board comprising a supporting structure for removably carrying boards to be punched, a punching element, means for adjustably positioning said punching element in any desired location on said supporting structure with respect to said board to be punched, an electric bulb mounted within said punching element, a circular electrical solenoid positioned around said punching element, spring means attached to said punching element and said supporting structure and normally urging said punching element to a retracted position, an electrical switch, a source of electrical energy,



wiring means connecting said electric bulb with said source of electrical energy, and wiring means connecting said electrical solenoid, electrical switch, and source of electrical energy in series, whereby when the electrical switch is closed the punching element with its light therein will be projected against the action of the spring means centrally within said circular electrical solenoid against said board causing discharge of a portion thereof.

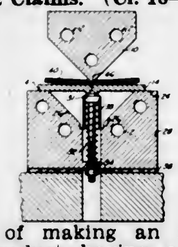
2,581,222

BENDING PROCESS

Alvie Evans Varner, Laurel, Miss., assignor to Masonite Corporation, Laurel, Miss., a corporation of Delaware

Application July 19, 1948, Serial No. 39,503

2 Claims. (Cl. 18—56)



1. Process of making an integral, angular hardboard product having a specific gravity greater than 1 from a porous hydrolyzed lignocellulose fiber blank having a specific gravity less than 1, which comprises supporting the entire area of the blank, hot-pressing a single groove indentation in that side of the blank which is to be inside the product and thereby consolidating the blank material in the projected region beyond the groove to substantially its final thickness, bending the blank by applying increased pressure at elevated temperature at the groove line while yieldingly supporting the entire area of the blank portions on each side of the groove and simultaneously partially consolidating said portions by applying pressure gradually outwardly from the groove whereby the final angularly product shape is formed, and then finally consolidating said partially-consolidated portions of the blank to substantially the thickness of said projected region by application of high pressure and temperature.

2,581,223

PERMANENT MAGNET SYSTEM FOR LOUDSPEAKERS

Paul Gustavus Adolphus Helmuth Voigt, London, England

Application March 4, 1948, Serial No. 12,912

In Great Britain March 4, 1947

5 Claims. (Cl. 179—119)



1. A permanent magnet system comprising a front plate having a pole-forming aperture and two outer yoke members integral with said front plate and extending rearwardly therefrom on opposite sides of said aperture, an inner yoke member cooperating with said front plate for forming an annular air gap in said aperture, spacing means for maintaining said inner yoke member correctly positioned with respect to said aperture for forming said air gap and two separate yoke members each cooperating with only one of said outer yoke members and effective for completing the magnet circuit through said outer yoke member, inner yoke member, air gap and front plate, each of said separate yoke members having an outwardly-facing joint surface contacting the cooperating outer yoke member and a forwardly-facing joint surface contacting said inner yoke member.

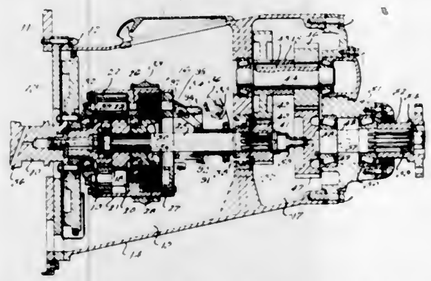
2,581,224

DRIVE CONSTRUCTION

David A. Wallace, Grosse Pointe Farms, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application September 13, 1945, Serial No. 616,100

3 Claims. (Cl. 74—325)



1. In a drive train for a marine power transmitting device including reversing gearing and a propeller shaft, a driving shaft drivingly connectible to the reversing gearing, and a driven shaft drivingly connectible to the propeller shaft; a combination speed ratio control and rotational direction control unit for said driven shaft adapted to be interposed between said shafts, said unit comprising a housing having one wall through which the driving shaft projects and a removable, sectionalized opposite wall through which the driven shaft projects, a driving gear drivingly connected to the driving shaft and positioned within said housing, a driven gear drivingly connected to the driven shaft and positioned within said housing, a countershaft extending between and journaled in the opposite walls of said housing, a first countershaft gear drivingly and axially rearrangeably mounted on said countershaft and meshing with said driven gear, a spacing collar axially rearrangeably mounted on said countershaft, and a second countershaft gear axially rearrangeably and drivingly mounted on said countershaft, arrangement of said collar between said countershaft gears positioning said second countershaft gear in meshing engagement with said driving gear to provide for rotation of said driven shaft by said driven shaft, and conduit means connecting said driving and driven gears adapted to transfer lubricant therebetween, said conduit means further providing a means for anchoring at least one of said driving and driven gears in assembled position.

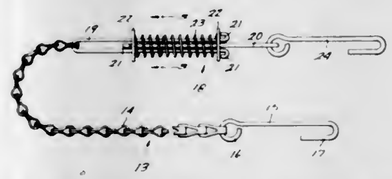
2,581,225

FLEXIBLE AND EXPANSIBLE TIRE CHAIN APPLIER

Bryan Anderson, Columbus, Mont., assignor of one-half to M. Lloyd Parcells, Columbus, Mont.

Application June 14, 1948, Serial No. 32,938

1 Claim. (Cl. 81—15.8)



In a tire chain-applying device, a flexible chain, a hook having a loop connected to one end of said chain, a spring device connected to the other end of said chain, said spring device comprising a pair of U-shaped body members having their open ends bent to provide curved fingers in the plane of the body members, said body members being positioned in planes at right angles to each other for telescoping movement one within the other and with their open ends facing in opposite directions, the bight portion of one of said body members being connected to said chain, a hook connected to the bight portion of the other of said body members, a pair of spaced annular discs slidably surrounding both of said body members and each abutting a corresponding pair of said fingers, and resilient means arranged between said discs, said resilient means comprising a coil spring circumposed upon said body members.

2,581,226

WORK REST BLADE

Clifford H. Arnold, Chicago, Ill.

Application January 9, 1948, Serial No. 1,452

3 Claims. (Cl. 51—238)



1. A hard wear and shock resisting work support for use in metal working machinery comprising, a metal base with a face having substantial length along which wear normally occurs, said base having a channel longitudinally thereof in the face exposed to wear, alternate inlays of cemented tungsten carbide and a hard metal filling and firmly anchored in said channel by films of a brazing alloy, said inlays having their outer surfaces finished smooth to provide a wear resisting surface.

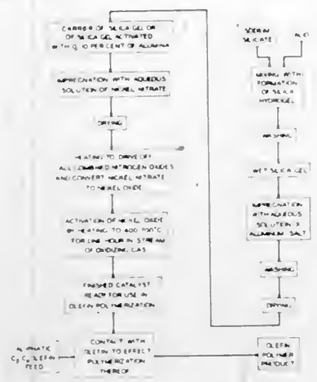
2,581,227
DEVICE FOR ACTUATING RIDERS OF TABULATORS FOR TYPEWRITERS
Enzo Ascoli, Yverdon, Switzerland, assignor to Paillard S. A., Sainte-Croix, a corporation of Switzerland
Application July 22, 1949, Serial No. 106,174
In Switzerland April 25, 1949
2 Claims. (Cl. 197—179)



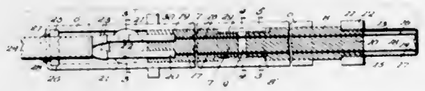
1. In a typewriter, calculating or like machine, a tabulating mechanism comprising a frame, a carriage slidable on the frame, a key controlled movable stop mounted on the frame, a rail support rockably mounted on the carriage and urged to a first angular position and carrying an operating member for rocking movements from said first position, a plurality of riders carried by the rail support and movable therewith during angular motions thereof and capable of angular motions relative thereto, means rigid with the frame and engageable by a selected rider during angular movement of the support in one direction from its first position to a second position, and by engaging the selected rider moving same relative to the support to a service position aligned with the stop upon return of the support to its first position, other means rigid with the frame and engageable by a selected rider and during angular motion of the support in the opposite direction from its first position to a third position moving the rider relative to the support to a position clearing the stop upon return of the support to its first position, and a third means rigid with the frame and engageable by all the riders during angular motion of the support from its first position to a fourth position exceeding the motion thereof causing engagement of the selected rider with the other means, said motion of the support to its fourth position moving all the riders to a position clearing the stop upon return of the support to its first position.

2,581,228
SiO_2—Al_2O_3—NiO CATALYST AND ITS PREPARATION
Grant C. Bailey and James A. Reid, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Original application June 15, 1945, Serial No. 599,536. Divided and this application December 23, 1946, Serial No. 718,036
8 Claims. (Cl. 252—455)

1. A process of preparing a catalyst for use in the polymerization of olefins which comprises impregnating silica gel with an aqueous solution of nickel nitrate and aluminum nitrate so as to incorporate in the catalyst an amount of nickel in the range of 0.1 to 5 weight per cent and an amount of alumina in the range of 1 to 10 weight per cent, both based upon the weight of the silica, drying, decomposing the nickel nitrate to nickel oxide and the aluminum nitrate to alumina by heating under conditions such that substantially all combined nitrogen oxides are removed and as the final step in the process activating the resulting nickel oxide by heating in an oxygen-containing atmosphere at a temperature of between 400 and 700° C. for from one-half to twelve hours.

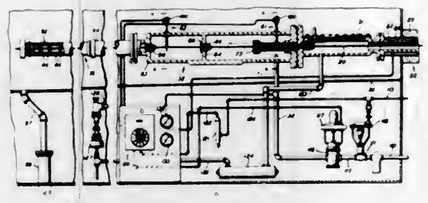


2,581,229
HIGH-TEMPERATURE QUICK ACTION THERMOCOUPLE
Alexander J. Battey, Skaneateles, N. Y., assignor to Auburn Spark Plug Co., Incorporated, Auburn, N. Y., a corporation of New York
Application March 8, 1949, Serial No. 80,237
2 Claims. (Cl. 136—4)



1. A thermocouple for gas turbines and the like, comprising a pair of parallel spaced thermocouple wires of fragilely small diameter, joined at one end to form a projected sensing element, the respective opposite ends of said wires forming lead wire coupling terminals, an insulator unit separating and surrounding said thermocouple wires between said sensing element and the coupling terminals, a closed hollow shielding nose of thin gauge, high melting point metal, sealed to and projecting from the adjacent end of said insulator unit, and enclosing said sensing element with the junction of said wires welded to the inner surface of its projecting end, said nose being of relatively large area with respect to the diameter of said thermocouple wires to provide a large nose of small metallic volume, a tubular metallic protecting housing enclosing said insulator unit from a point spaced longitudinally from that end of the unit supporting the nose and sensing element, to form a rearwardly extending annular gap for thermally isolating the nose and sensing element from the corresponding end of the housing, the opposite end of said housing extending longitudinally beyond the insulator unit to form a coaxial hollow coupling chamber, closed at one end by said insulator unit, for receiving the coupling terminals of said thermocouple wires, an axial opening in the opposite end wall of said chamber, a pair of lead wires projecting through said opening into said chamber, said lead wires being welded to respective terminals at points within said chamber, at least one radial aperture in the side wall of said coupling chamber to facilitate the welding of said lead wires to the thermocouple wires, means sealing the insulator unit with respect to the housing and thermocouple wires, to provide a gas tight assembly, and means firmly securing said lead wires in the axial opening of said chamber to prevent relative movement.

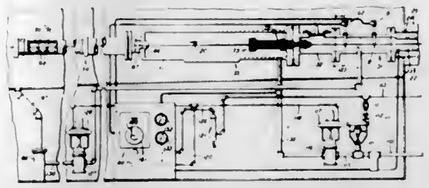
2,581,230
CONTINUOUS VULCANIZING METHOD AND APPARATUS
George E. Berggren, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 19, 1948, Serial No. 34,056
20 Claims. (Cl. 18—6)



6. An apparatus for the vulcanization of a vulcanizable covering surrounding a continuously advancing core, which comprises an elongated vulcanizing tube through which such a covered core may be advanced, means for supplying a high temperature, high pressure vulcanizing fluid to the vulcanizing tube to vulcanize the covering on the core, an elongated cooling tube connected directly to the exit end of the vulcanizing tube, means for continuously circulating a low temperature cooling fluid under pressure through the cooling tube to cool the vulcanized covering of the core, said vulcanizing fluid being in heat exchange contact with the cooling fluid and thereby effecting differentials between the temperature of the water entering the cooling tube and the temperature of the water leaving the cooling tube which vary with fluctuations in the pressure differential between the said fluids, means for measuring the temperatures of the portions of the cooling fluid entering and leaving the cooling tube, and means responsive to variations in the differences between the temperatures measured by said temperature measuring means for continuously maintaining the cooling fluid at a pressure which will permit only a minimum leakage of the vulcanizing fluid into the cooling tube, whereby the cooling fluid is maintained at its most effective operating temperature at all times.

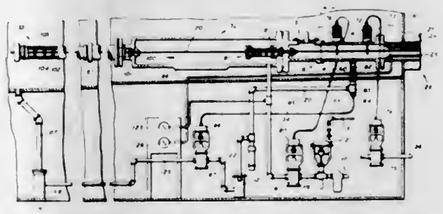
19. The process for the vulcanization of a vulcanizable covering surrounding a continuously advancing core, which comprises passing the covered core continuously through an elongated treating zone, subjecting the advancing core to a high temperature, high pressure vulcanizing fluid within the portion of the treating zone first encountered by the advancing core to vulcanize the covering thereon, subjecting the advancing core to a low temperature cooling fluid within the next succeeding portion of the treating zone to cool the vulcanized covering, measuring the temperature differentials between spaced points in the cooling fluid, and controlling the relative pressures of the fluids in accordance with the measured temperature differentials existing between said spaced points in the cooling fluid so as to maintain the pressures of the cooling fluid and the vulcanizing fluid substantially equal.

2,581,231
CONTINUOUS VULCANIZING METHOD AND APPARATUS
George E. Berggren, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 8, 1948, Serial No. 37,583
25 Claims. (Cl. 18—6)



6. An apparatus for the continuous vulcanization of a vulcanizable covering surrounding conductors, which comprises means for subjecting the covering on the advancing conductor to a high temperature, high but fluctuating pressure vulcanizing fluid to vulcanize said covering, said vulcanization of the covering developing undesirable high internal pressures in air and moisture entrapped therein, means for subjecting the vulcanized covering to a high pressure, low temperature cooling fluid as it emerges from said vulcanizing fluid to cool the covering and reduce the internal pressures entrapped therein to values such that there is no danger of the covering blistering when the conductor emerges from the cooling fluid into the atmosphere, means connecting the adjacent ends of the vulcanizing means and the cooling means, means associated with the cooling means through which the conductor passes for preventing excessive escape of the mixed fluids forming at the junction point thereof from the connecting fluid into the cooling means, the vulcanizing fluid and the cooling fluid contacting each other with their junction point normally positioned at a predetermined point in the connecting means, and means including an electronic controller arranged to be responsive to temperature differentials existing between the vulcanizing fluid and the cooling fluid at points adjacent to the normal junction point thereof for maintaining the pressure of the cooling fluid substantially equal to the pressure of the vulcanizing fluid at all times.

2,581,232
CONTINUOUS VULCANIZING METHOD AND APPARATUS
George E. Berggren, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 23, 1948, Serial No. 50,686
29 Claims. (Cl. 18—6)



28. An apparatus for the continuous vulcanization of a vulcanizable covering surrounding conductors, which comprises an elongated vulcanizing tube through which such a covered conductor

may be advanced, a supply of high temperature steam having a maximum pressure of 250 pounds per square inch and subject to substantial variations in pressure, means for supplying the steam to the vulcanizing tube to vulcanize the covering on the conductor, means for selectively controlling the pressure of the steam in the vulcanizing tube, an elongated cooling tube through which the insulated conductor passes after it emerges from the vulcanizing tube, a supply of low temperature water maintained at a pressure of about 270 pounds per square inch, means for continuously transmitting water from said high pressure supply to the cooling tube to cool the vulcanized covering, said steam and water contacting each other with their junction point normally positioned at a predetermined point with respect to the exit end of the vulcanizing tube, means provided in the water transmitting means for selectively controlling the pressure of the water introduced into the cooling tube, a temperature-sensitive element subject to the temperature of the steam adjacent to the normal junction point, a second temperature-sensitive element subject to the temperature of the water adjacent to the normal junction point, fluctuations in the pressure of the steam causing longitudinal movement of the junction point with respect to the temperature-sensitive elements and corresponding changes in the temperature of the water and steam surrounding said temperature-sensitive elements, and means actuated by the temperature-sensitive elements for regulating the water pressure controlling means and the steam controlling means so as to maintain the pressures of the water and the steam substantially equal.

2,581,233

CAM FOR OPERATING VALVES OF INTERNAL-COMBUSTION ENGINES

John L. H. Bishop, Northfield, Birmingham, England, assignor to The Austin Motor Company, Limited, Northfield, Birmingham, England

Application May 20, 1949, Serial No. 94,342
In Great Britain June 7, 1948
3 Claims. (Cl. 123—90)

1. An operating mechanism comprising a movable member, an element actuated by said movable member, and a rotary cam having a peripheral surface adapted to engage and move said member, said surface having a lifting portion and a circular portion of smaller radius than the base circle of said cam whereby clearance is provided between said member and said element, a ramp portion connecting said lifting portion and said clearance portion, the contour of the major part of said ramp portion being represented by a lift curve consisting of two functions in series, the first function consisting of a half period negative sine curve combined with an ascending straight line curve, whereby said member is accelerated from a predetermined velocity to a positive maximum velocity with the acceleration represented by a positive half period sine curve, the second function consisting of a quarter period positive sine curve combined with another ascending straight line curve whereby said member is decelerated from said maximum positive velocity to another predetermined constant velocity with the acceleration represented by a quarter period negative sine curve.

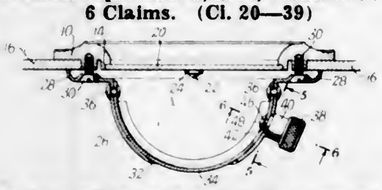


2,581,234

DOOR WICKET

Allen Bloom, Forest Hills, N. Y., assignor to Westin, Inc., New York, N. Y., a corporation of New York

Application September 3, 1947, Serial No. 771,938
6 Claims. (Cl. 20—39)



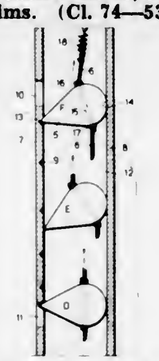
1. A door wicket adapted to be mounted in the door of a dwelling to permit an occupant of the dwelling to observe a visitor without himself being observed by said visitor, said door wicket comprising, in combination, a mirror support, a transparent mirror mounted at its periphery in said support, a convex, opaque light shield for reducing the amount of light reaching the back face of said mirror from the interior of said dwelling, said light shield being effectively fixed at its periphery to said mirror support and extending backwardly away from said mirror, said shield having an eye-hole therein of approximately the dimensions of the human eye and an operating opening therein spaced from said eye-hole, a movable closure plate mounted on the inner side of said shield and movable into and out of registry with said eye-hole to selectively open or close said eye-hole, said closure plate having a part extending through said operating opening whereby said closure plate can be selectively moved to open or close said eye-hole.

2,581,235

ARRANGEMENT FOR LOCKING AND UNLOCKING A PULLING MEMBER IN DIFFERENT POSITIONS

Georg Karl Johan Broberg, Solna, Sweden, assignor to A. B. Svenska Fläktfabriken, Stockholm, Sweden

Application June 17, 1949, Serial No. 99,831
In Sweden June 18, 1948
8 Claims. (Cl. 74—531)



1. Apparatus for securing a pulling member in different longitudinal positions, comprising a pair of parallel guide members disposed in predetermined spaced relation and defining a channel therebetween, at least one of said guide members having recesses therein at selected intervals longitudinally of the member to provide turn zones of greater width than the channel,

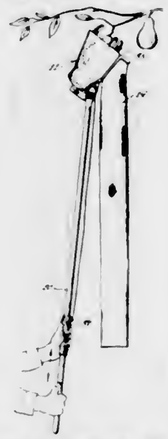
an elongated locking member in said channel slidable longitudinally thereof and having a length greater than the normal width of the channel and less than the width of the said turn zones therein so that rotational movement of the locking member in the channel is prevented except at said turn zones, and a pulling member connected to said locking member and tending normally to urge the locking member to a position transverse the channel with its opposite ends engaged against the adjacent guide members, said pulling member acting in one direction to draw the locking member angularly through the channel from one turn zone to the next turn zone and acting in the opposite direction to draw the locking member in the opposite direction through the channel in the reverse angular position, and the engagement of the guide members by the opposite ends of the angularly disposed locking member operating after initial movement of the locking member in one direction from one turn zone to prevent movement of the locking member in the reverse direction before the locking member reaches the next turn zone.

2,581,236

POLE SUPPORTED FRUIT GATHERER

Salvatore Cardinale, Freeport, N. Y.

Application October 22, 1949, Serial No. 123,068
1 Claim. (Cl. 56—334)



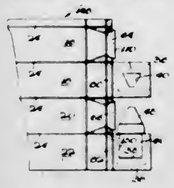
In a fruit picking device, a pole, a fruit receiving housing open at its upper end, means for connecting said housing to the upper end of said pole, a shaft fixed to the bottom of the housing and extending upwardly therefrom, a casing journalled upon said shaft adjacent the bottom of said housing and having radially extending slots, a concentric coil spring, one end of said spring being secured to said shaft and the other end thereof being secured to said casing, a wheel journalled on said shaft above said casing, a cord wound on said wheel, means disposed on said pole for securing one end of said cord and movable along the said pole in axial direction, thereby pulling the said cord and unwinding the same from the said wheel, said wheel having radially extending arcuate slots therein, a fruit receiving plate secured to the upper end of the said shaft, a helical spring surrounding said shaft above the wheel, one end of said helical spring being connected to said wheel and its other end to the said plate, picker elements pivoted upon the plate for inward and outward movement, said picker elements having lower projections extending through said arcuate slots of said wheel into said radially disposed slots of said casing, so that upon pulling of the cord the said wheel and said casing are rotated thereby forcing the lower projections of said picker elements outwardly, the latter to be returned to their original position by means of said spiral and helical springs upon releasing said cord.

2,581,237

DISPENSING CONTAINER

Roger H. Casler, Oakville, Conn., assignor, by mesne assignments, of one-half to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan, and one-half to a group comprising Ace C. Fessenden, Chicago, Ill., and Ace Carton Corporation, Chicago, Ill., a corporation of Illinois

Application September 27, 1946, Serial No. 699,750
16 Claims. (Cl. 229—17)



16. A flat blank for a tubular container of rectangular cross section, comprising a sheet of paperboard material scored and cut to provide side wall panels, bottom closing flaps at one end of said side wall panels and a flange panel at the other end of each of said side wall panels, adjacent flange panels being connected by substantially triangular foldable panels, the flange panels and the foldable panels forming outwardly extending and continuous marginal flanges when the blank is folded into a container, a pair of rectangular top closing flaps respectively formed integrally with a pair of alternate flange panels, one of said top flaps being provided with a centrally positioned opening and a surface over which the contents of the container, when the container is assembled, may be poured, the free edge of said one top flap facing the other top flap being curved inwardly, and the free edge of the flange panel positioned between the top flaps being similarly curved inwardly, and the other top flap being weakened along lines defining a tear strip intermediate two side edges of said other flap and hingedly connected thereto, the tear strip having a lift tab extending beyond the margin of said other top flap and toward said one top flap, the tear strip, when the container is assembled, overlying said opening and said surface and the lift tab having a portion thereof foldable around one of said flanges to engage the under portion of said one flange.

2,581,238

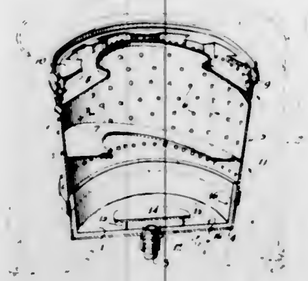
VAPORIZING VERTICAL POT TYPE OIL BURNER

Stephen P. Cauley, Garden City, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application August 8, 1946, Serial No. 689,240
4 Claims. (Cl. 158—91)

4. In a vaporizing type oil burner of the vertical pot type wherein vaporization of the oil to be burned is dependent substantially wholly upon heat derived from the combustion of oil being burned comprising a burner pot having a plurality of air inlet apertures located at various levels in the wall thereof, and means for supplying a liquid fuel to the lower portion of the pot,

the improvement which comprises the combination of a non-catalytic, refractory coating on the surfaces of said pot with which unvaporized oil is in contact, liquid fuel inlet means positioned substantially at the center of the bottom of said pot, a conical shield having its center in the pro-



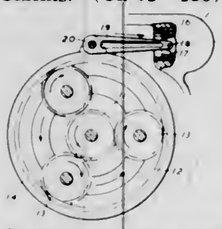
jected vertical axis of said fuel inlet means, and means for supporting said shield in spaced relation with the bottom of said pot and with the base of said cone below the lowermost of said air inlet apertures.

2,581,239

HYDRAULIC TORQUE METER

Thomas Clark and Henry E. Harvey, Coventry, England, assignors to Armstrong Siddeley Motors Limited, Coventry, England

Application November 10, 1947, Serial No. 785,080
In Great Britain August 30, 1947
3 Claims. (Cl. 73—136)



3. A hydraulic torque meter including a movable reaction member receiving the torque thrust to be measured, a stationary cylinder with a closed end having it in a recess, a plunger movable in said cylinder with a very small leak and connected to said reaction member, a supply of hydraulic liquid at constant pressure, a port in said cylinder communicating with said recess and through which the hydraulic liquid can be supplied to the operative space between said plunger and the closed end of said cylinder, a projection on said plunger engaged in said recess and coacting with said port, and a pressure gauge connected to read the pressure in said operative space, said cylinder having in it a venting passage positioned relatively to said plunger so as to be connected to said operative space only when said plunger has been moved to a position in which said projection closes said port.

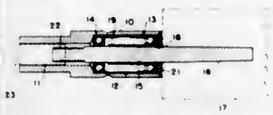
2,581,240

BEARING ASSEMBLY

Hugh I. Day and Iverson L. Day, Atlanta, Ga., assignors to A. Pierce Robert and F. H. Robert, jointly, doing business as Atlanta Textile Machinery Company, Atlanta, Ga.

Application April 12, 1950, Serial No. 155,471
5 Claims. (Cl. 19—142)

1. A bearing assembly for the top roll of a card room drawing frame, comprising a cylindrical housing member, means for mounting said housing member to said frame in a manner to prevent rotation thereof, a bore and a counter-bore in said housing, a pair of spaced bearings in said counter-bore, a shaft positioned through said bearings, an end of said shaft projecting from said housing and being provided with a taper substantially matching a corresponding tapered bore provided in an end of said top roll, said



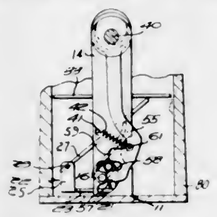
shaft being adapted to be wedged into said roll end and to rotate therewith, said tapered end of said shaft being positioned to carry said roll at a minimum clearance distance from the inner end of said housing, and means on the opposite end of said shaft for attaching a tool to cause an outward, longitudinal movement of the shaft to abut the roll end with said housing member to dislodge said tapered shaft end from its wedged position in said roll.

2,581,241

ROTARY MOTION CONVERTED INTO RECIPROCATING MOTION

Fred De Cesaris, Johnston, R. I.

Application May 16, 1950, Serial No. 162,348
10 Claims. (Cl. 74—40)



6. A mechanism consisting of a frame, a bail provided with a tongue pivotally mounted on a rod in said frame, a pin secured to one arm of said bail, a stud secured to said frame, an eccentric rotatably mounted on said stud, a lever provided with a cam surface and pin receiving recess, engaging said eccentric and said pin secured to said bail, a spring connected to said lever and to said frame, an extension on said frame engaging said cam surface on said lever, a pin secured to said frame directly beneath said tongue, a container mounted on said frame, a shaft fixed in said frame, a sleeve mounted on said shaft for axial movement thereon, a disk fixed on either end of said sleeve, the lower disk engaging said tongue.

2,581,242

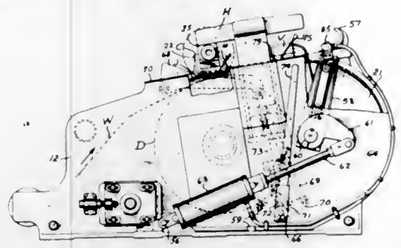
FRICTION DRUM WINDING MACHINE

Charles A. Dickhaut, Highland Park, N. J., assignor to John Waldron Corporation, a corporation of New Jersey

Application August 25, 1947, Serial No. 770,380
15 Claims. (Cl. 242—65)

5. In a web winding machine having a winding drum over which the web passes and a core on which the web is wound into a bundle by peripheral contact with said winding drum; the improvement which comprises movably mounted bearings in which said core is journaled for supporting the weight of the bundle of web thereon,

and means for moving said bearings away from said winding drum comprising a shaft driven at constant speed, driving connections between said



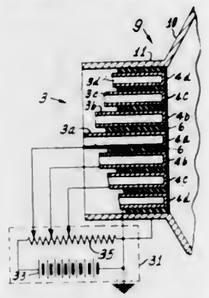
shaft and said bearings, and means responsive to increase in diameter of said bundle for transmitting power from said shaft to move said bearings.

2,581,243

CATHODE OF ELECTRON BEAM DEVICES

Wellesley J. Dodds, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 28, 1949, Serial No. 96,068
7 Claims. (Cl. 313—338)



2. An electron gun comprising a beam accelerating-and-focusing system including at least one electrode surrounding an intended path of travel for beam electrons, means for connecting a source of potential to said electrode for establishing an electrostatic field to cause and direct movement of electrons in the system, a cathode comprising a plurality of coaxial components each of which has an emissive surface, the components being supported with their emissive surfaces lying in a common surface having a predetermined over-all configuration, the components being electrically insulated from one another to adapt them for independent connection to external circuits, and means for applying individual direct potentials to said components for controllably influencing said direction of the movement of electrons by said electrostatic field.

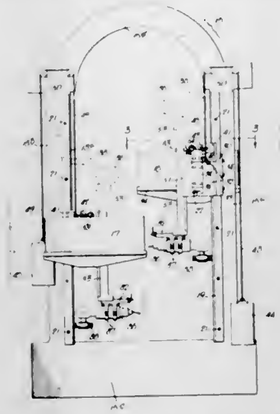
2,581,244

SURFACE GRINDER FOR MILL HOUSINGS AND THE LIKE

Dominick J. Donato, Coatesville, Pa., assignor to Lukens Steel Company, Coatesville, Pa., a corporation of Pennsylvania

Application September 16, 1949, Serial No. 116,195
4 Claims. (Cl. 51—241)

4. A surface grinder for mill housings and the like, comprising a frame, a reciprocating carriage mounted on said frame, means including a feed screw mounted on the frame for controlling the horizontal reciprocation of the frame with respect to the housing, means on the carriage engageable with said control means whereby the carriage is reciprocated on the frame, a platform on the frame, unidirectional driving means mounted on said platform for said feed screw, reversing means operably connected to the driving means and to the feed screw for instantan-



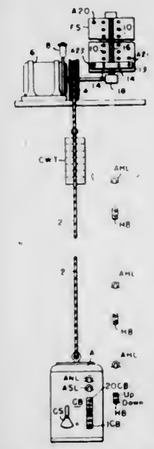
eously reversing the direction of rotation of said feed screw, a pair of limit switches on the frame for actuating said reversing means, a pair of ways detachably secured to a workpiece and on which the frame is movable, and a pair of gibs on the frame positioned to slidably cooperate with the ways on the workpiece.

2,581,245

ELEVATOR DISPATCHING SYSTEM

William F. Eames, Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

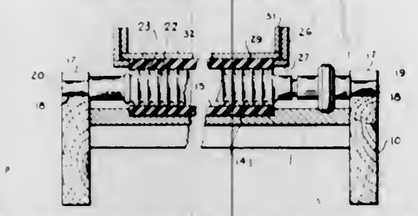
Application August 19, 1950, Serial No. 180,400
19 Claims. (Cl. 187—29)



19. In an elevator system in which a plurality of cars serve a plurality of floors and which are individually provided with stopping means responsive to calls for service registered by push-buttons at said floors and push-buttons in each car corresponding to the floors served thereby, means for dispatching said cars sequentially from one of said floors comprising selecting means for determining the next car to be dispatched, a

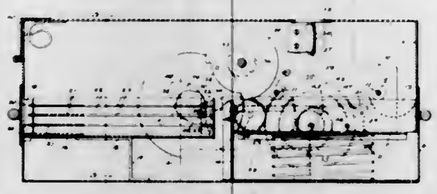
starting signal and means operable with a time delay for energizing said signal, said last named means including a variable speed electric timing motor, a variable-voltage generator for energizing said motor, and means for exciting said generator with a voltage continuously variable in magnitude in accordance with the number and duration of calls for service registered by said push-buttons at said floors.

2,581,246
APPARATUS FOR LOADING VULCANIZING MOLDS
Frank Fenton, Akron, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio
Application July 21, 1945, Serial No. 606,337
8 Claims. (Cl. 18—19)



7. Loading equipment for a vulcanizing mold having a plurality of article-forming cavities, comprising a plurality of article-forming cores, each of said cores having longitudinally spaced relatively narrow projections thereon adapted to be preheated by use in the mold, a core supporting fixture, said fixture having relatively movable members each provided with a plurality of guide means for reception of predetermined amounts of rubber or like stock, means for mounting said cores between said members to be in association with said guide means when said members are relatively moved together, whereby the rubber stock on contacting said projections of the cores while hot will adhere thereto, said cores being adapted to be received in the article-forming cavities of the mold with said stock thereon.

2,581,247
AUTOMATIC PLAYING CARD DEALING APPARATUS
Leroy F. Florant, Columbus, Ohio
Application October 17, 1949, Serial No. 121,694
1 Claim. (Cl. 273—149)



A playing card dealing apparatus comprising a casing, a drawer movable into the casing at one end of the casing in which a pack of cards is held, a dealing disc operating above the cards in contact with the uppermost card of the pack, means for operating the disc, dealing the cards from the pack, a drawer operating in the opposite end of the casing, disposed adjacent to one end of the first mentioned drawer, a plurality of superimposed pivoted trays mounted in the second mentioned drawer, a tray elevating means comprising a pin extending laterally from one end of each tray, a rotating member having cams of various lengths, rotating adjacent to the trays, said cams engaging said pins elevating the trays successively separating the trays for predetermined periods of time for the reception of cards dealt from the pack by said dealing disc, dividing the cards into playing groups.

2,581,248
METHOD OF MAKING FORMS FOR THE MANUFACTURE OF DIPPED RUBBER GOODS OR OTHER ARTICLES
Rudolph V. Ganz, Akron, Ohio, assignor to The Colonial Insulator Company, Akron, Ohio, a corporation of Ohio
Application April 28, 1948, Serial No. 23,658
14 Claims. (Cl. 41—26)



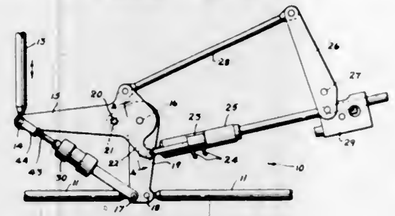
1. The method of providing a form with a roughened area comprising, providing a flexible sheet material with a plurality of depressed designs to be reproduced on the form, covering the sheet with a thin ceramic slip and smoothing the upper surface thereof, drying the sheet until the slip assumes a paste-like consistency, applying and conforming the sheet to the surface of the form with the partially dried slip in contact with said surface, drying the slip, peeling the sheet from the dried ceramic deposit which remains on the form, and then heating the form to a temperature sufficient to bake the ceramic material.

2,581,249
METHOD OF MAKING CERAMIC DIPPING FORMS OR THE LIKE
Rudolph V. Ganz, Akron, Ohio, assignor to The Colonial Insulator Company, Akron, Ohio, a corporation of Ohio
Application June 18, 1948, Serial No. 33,753
5 Claims. (Cl. 25—156)



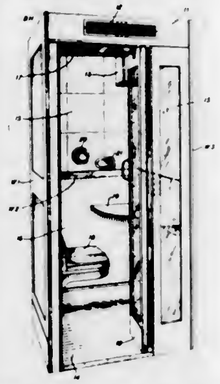
1. The method of providing a glazed ceramic article with an irregular unglazed surface in relief thereon, comprising forming the body of the article of unbaked ceramic material, providing a sheet of flexible material with recesses in the pattern to be reproduced on the article, coating the surface of the sheet with a thin ceramic slip which fills the recesses, partially drying the slip and applying the sheet to the surface of the unbaked article with the partially dried slip in contact with the surface, coating said article including the area thereof covered by the sheet with a glaze, removing the sheet from the slip deposited on the surface of the article and firing the article.

2,581,250
POWER ASSISTED CONTROL
Samuel Henry Edward Garside, Toronto, Ontario, Canada, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada, a corporation
Application August 28, 1950, Serial No. 181,718
5 Claims. (Cl. 74—471)



1. A power assisted system for translation of motion, of the kind having a driving portion, a driven portion movable relatively to the driving portion, and a power booster mechanism disposed in series therebetween and actuated by the relative movement between the driving and driven portions, characterized by the provision of a damping device independent of the power booster mechanism and constituting a linkage connected between the driving and driven portions in parallel with the booster mechanism whereby rapid movements originating in one of the portions are transmitted directly to the other portion thus bypassing the power booster mechanism.

2,581,251
TELEPHONE BOOTH
Allan Glazer, Summit, Norman R. Stryker, East Orange, and Harris F. Hopkins, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 9, 1949, Serial No. 109,356
1 Claim. (Cl. 179—1)



A telephone booth having three stationary walls, a seat member secured to one of said walls at a predetermined height, a loudspeaker and a microphone mounted in predetermined proximity to one another within a second of said walls so that an outer surface of the loudspeaker and microphone are substantially flush with the surface of the second wall and at such a predetermined distance relative to said seat that an occupant of the seat member will have the said loudspeaker and microphone in proper spaced relation with respect to his ear and mouth, whereby various predetermined inclinations of the body and head with respect to said seat member and said second wall will still provide efficient reception and transmission of intelligence.

2,581,252
POWDER METALLURGY ARTICLES
Claus G. Goetzel, Yonkers, and John L. Ellis, New York, N. Y., assignors to Sintercast Corporation of America, New York, N. Y., a corporation of New York
Application December 31, 1947, Serial No. 795,102
5 Claims. (Cl. 75—22)

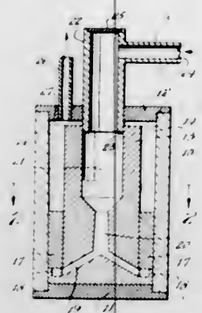


1. A composite material shaped turbine blade having a base portion engageable with a turbine wheel for use at elevated temperatures in corrosive atmospheres, said blade being composed of substances of different melting points and having a sintered porous skeleton of higher melting point normally corrodible at the temperatures of operation and formed with intercommunicating pores substantially throughout its entirety, the pores thereof being permeated with an infiltrant metal having corrosion resistant properties under the conditions of operation and a substantially continuous controlled layer of said infiltrant metal of predetermined thickness on the exterior faces of said blade to protect the same, said layer being integrally fused with the metal permeating said pores, the layer being thickened at the base portion of the blade for the shaped wheel engaging portions thereof.

2,581,253
METALLURGY
John L. Ellis, New York, and Claus G. Goetzel, Yonkers, N. Y., assignors to Sintercast Corporation of America, New York, N. Y., a corporation of New York
Application December 23, 1948, Serial No. 66,928
10 Claims. (Cl. 266—1)

1. An apparatus for the metal infiltration of skeleton bodies produced by sintering from refractory metal and metal compound powders comprising an outer receptacle, a core in said receptacle, a plurality of chambers between the outside of said core and said receptacle to accommodate said skeleton bodies during their infiltration, a reservoir in said core to hold the in-

filtrating metal and conduits in the lower portion of said core and beneath said reservoir connecting the same with said outside chambers to lead the infiltrant metal to said skeleton bodies.



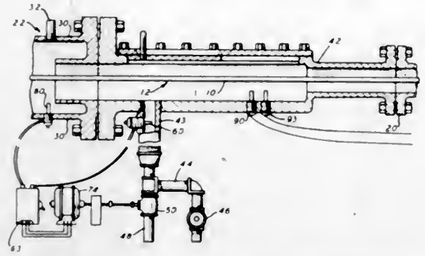
2,581,254
FIFTH WHEEL HANDLE
Elmer J. Greenawalt, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 11, 1949, Serial No. 120,759
11 Claims. (Cl. 280—33.05)



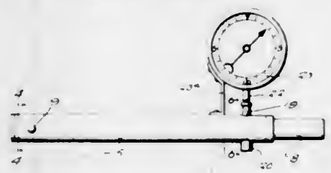
10. The combination of a fifth wheel having a coupler mechanism and operating means therefor including a lever, a latch adapted to releasably lock the lever in a predetermined position, a handle member formed and arranged to interlock with said lever, and means on said handle member adapted to engage and move said latch to the unlocked position thereof whereby said lever and handle are permitted to rotate together to unlock said coupler mechanism.

2,581,255
CONTINUOUS VULCANIZING METHOD AND APPARATUS
George E. Henning, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 23, 1948, Serial No. 50,773
19 Claims. (Cl. 18—6)

19. The method of continuously forming vulcanized articles, which comprises advancing a filamentary article through a vulcanizing zone and through a cooling and sealing zone in tandem therewith, introducing steam under a high pressure into a vulcanizing zone, introducing water under a high pressure into the cooling and sealing zone, measuring the temperature at a point near the juncture of the zones, and adjusting the relative pressures of the water and the steam whenever the measured temperature indicates an unbalance in pressure.

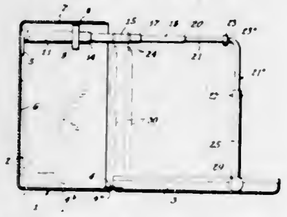


2,581,256
BORE GAUGE
John C. Hinkle, Lincoln, Nebr.
Application January 11, 1946, Serial No. 640,544
2 Claims. (Cl. 33—147)



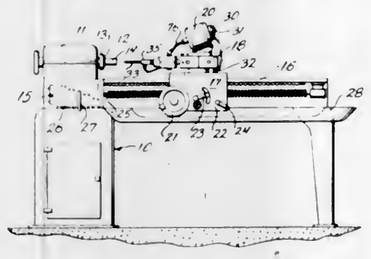
1. A bore gauge comprising a barrel adapted for inserting one end in the bore to be tested, a shaft journalled longitudinally in the barrel, a contact finger slidably mounted transversely of the barrel at one end, a plunger slidably mounted transversely of the barrel at the other end, and means operatively connecting the finger and plunger to the shaft for transmitting movement of the finger to the plunger, said plunger being adapted for working engagement with a dial indicator secured to the barrel to register movement of the plunger thereon, said connecting means comprising a longitudinal pin carried eccentrically at each end of the shaft, and yokes extending laterally from the finger and plunger and engaged by the respective pins, said pins having apertured attachment plates, screws inserted through said plates and securing said plates to the ends of said shaft.

2,581,257
RACK FOR SAMPLE CASES
Irwin M. Ikelheimer, New York, N. Y.
Application November 19, 1947, Serial No. 786,952
1 Claim. (Cl. 211—87)



A telescoping rack for positioning within a sample case or the like having a hollow body and a closure hinged thereto, comprising a plurality of coaxially grouped tubular rack sections of successively decreasing diameters and each inner section being telescopically slidable in the next outer section, an attaching plate secured to the tubular rack section having the largest diameter and adapted to be fixed within said body, said plate having a cylindrical boss of equal diameter to and in continuation of said rack section of largest diameter, means for limiting the distance said telescopically slidable rack sections may be extended with respect to each other, and an inverted L-shaped supporting leg having a part thereof telescopically received within the tubular rack section of smallest diameter.

2,581,258
DRILLER
John W. Karweit, Skokie, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application August 12, 1943, Serial No. 498,314
10 Claims. (Cl. 77—32.3)



1. A device for drilling a machinable material which includes a drill support, an element supporting the drill support for relative axial movement and against relative rotation between them, means for feeding said element axially of said drill support, a cam unit having a dwell portion and an offset cam portion, said offset portion extending only through a minor portion of the cam circumference, a follower unit, one of said units being supported by the element, the other of said units being supported by the drill support, said units coacting with each other at a point of engagement disposed within the axial projection of the element supporting the drill support whereby the feed thrust effort upon the drill is borne within the confines of said element.

2,581,259
AUTOMATIC SELF-RELEASING AND CASTING FLOAT
William Lee Keen, St. Louis, Mo.
Application July 29, 1949, Serial No. 107,512
10 Claims. (Cl. 43—44.91)



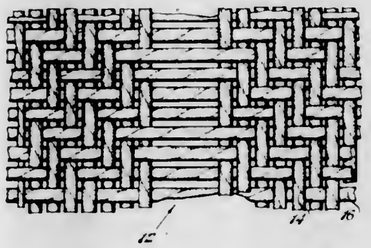
1. A fishing float comprising a buoyant body having a passage therethrough for a fishing line, said body also having a plunger guide opening therein intersecting said line passage, said guide opening leading from the outside of the body all the way to one side of the line passage and also having a continuation on the other side of the line passage, a plunger freely slidable in said guide opening and somewhat longer than the length of the opening from the line passage to the outside of the body so that its outer end projects from the body, and stop means carried by the body and coacting with the plunger for determining a retracted position of the plunger wherein its inner end is clear of the line passage on said one side thereof and in which position of the plunger the fishing line is freely slidable in the line passage and a line-wedging position of the plunger wherein its inner end extends into the continuation of said guide opening on said other side of the line passage for wedging the fishing line into said continuation, said stop means also preventing the plunger from coming out of the guide opening, said plunger being adapted to be moved from its line-wedging position to its retracted position either by pulling it outward by its outer end or in response to tensioning of the fishing line.

2,581,260
FISHING FLOAT
William Lee Keen, St. Louis, Mo.
Application September 19, 1949, Serial No. 116,531
7 Claims. (Cl. 43—44.87)



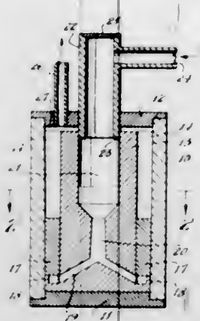
1. A fishing float comprising a buoyant float body having a groove in its surface, a fishing line clamp comprising a lever pivotally mounted intermediate its ends in the groove and extending lengthwise in the groove, a portion of the lever toward one end thereof being adapted to clamp a fishing line extending transverse to and under the lever against the surface of the float body, the float body having a recess under the other end of the lever, and a compression spring in the recess under the lever reacting from the bottom of the recess to bias the lever for clamping the fishing line.

2,581,261
TAPE FOR DRIVING PULLEYS
Alfred K. Landau, Newtonville, Mass., assignor to Lambeth Rope Corporation, New Bedford, Mass., a corporation of Massachusetts
Application September 15, 1949, Serial No. 115,809
6 Claims. (Cl. 139—383)



1. An endless driving tape for a crowned pulley comprising warp strands spaced to form a tight weave transversely of the tape in the marginal areas thereof, the said warp strands spaced apart

filtrating metal and conduits in the lower portion of said core and beneath said reservoir connecting the same with said outside chambers to lead the infiltrant metal to said skeleton bodies.



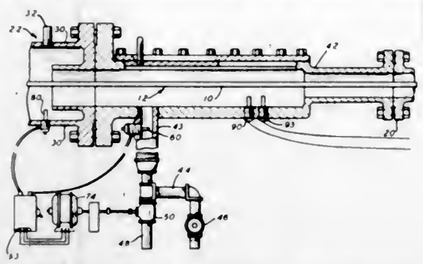
2,581,254
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11 Claims. (Cl. 280—33.05)



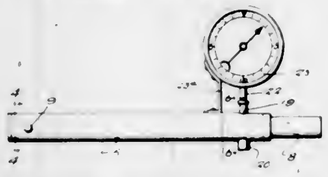
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2,581,255
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George E. Henning, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 23, 1948, Serial No. 50,773
19 Claims. (Cl. 18—6)

19. The method of continuously forming vulcanized articles, which comprises advancing a filamentary article through a vulcanizing zone and through a cooling and sealing zone in tandem therewith, introducing steam under a high pressure into a vulcanizing zone, introducing water under a high pressure into the cooling and sealing zone, measuring the temperature at a point near the juncture of the zones, and adjusting the relative pressures of the water and the steam whenever the measured temperature indicates an unbalance in pressure.

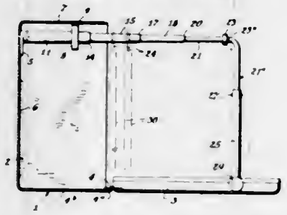


2,581,256
BORE GAUGE
John C. Hinkle, Lincoln, Nebr.
Application January 11, 1946, Serial No. 640,544
2 Claims. (Cl. 33—147)



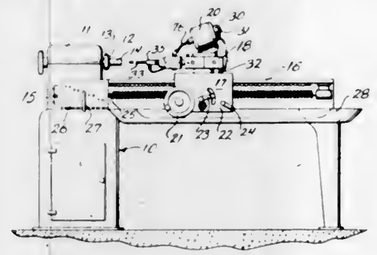
1. A bore gauge comprising a barrel adapted for inserting one end in the bore to be tested, a shaft journalled longitudinally in the barrel, a contact finger slidably mounted transversely of the barrel at one end, a plunger slidably mounted transversely of the barrel at the other end, and means operatively connecting the finger and plunger to the shaft for transmitting movement of the finger to the plunger, said plunger being adapted for working engagement with a dial indicator secured to the barrel to register movement of the plunger thereon, said connecting means comprising a longitudinal pin carried eccentrically at each end of the shaft, and yokes extending laterally from the finger and plunger and engaged by the respective pins, said pins having apertured attachment plates, screws inserted through said plates and securing said plates to the ends of said shaft.

2,581,257
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Irwin M. Ikelheimer, New York, N. Y.
Application November 19, 1947, Serial No. 786,952
1 Claim. (Cl. 211—87)



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2,581,258
DRILLER
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Application August 12, 1943, Serial No. 498,314
10 Claims. (Cl. 77—32.3)



1. A device for drilling a machinable material which includes a drill support, an element supporting the drill support for relative axial movement and against relative rotation between them, means for feeding said element axially of said drill support, a cam unit having a dwell portion and an offset cam portion, said offset portion extending only through a minor portion of the cam circumference, a follower unit, one of said units being supported by the element, the other of said units being supported by the drill support, said units coacting with each other at a point of engagement disposed within the axial projection of the element supporting the drill support whereby the feed thrust effort upon the drill is borne within the confines of said element.

2,581,259
AUTOMATIC SELF-RELEASING AND CASTING FLOAT
William Lee Keen, St. Louis, Mo.
Application July 29, 1949, Serial No. 107,512
10 Claims. (Cl. 43—44.91)



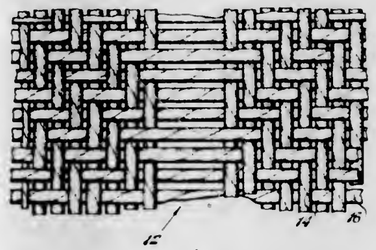
1. A fishing float comprising a buoyant body having a passage therethrough for a fishing line, said body also having a plunger guide opening therein intersecting said line passage, said guide opening leading from the outside of the body all the way to one side of the line passage and also having a continuation on the other side of the line passage, a plunger freely slidable in said guide opening and somewhat longer than the length of the opening from the line passage to the outside of the body so that its outer end projects from the body, and stop means carried by the body and coacting with the plunger for determining a retracted position of the plunger wherein its inner end is clear of the line passage on said one side thereof and in which position of the plunger the fishing line is freely slidable in the line passage and a line-wedging position of the plunger wherein its inner end extends into the continuation of said guide opening on said other side of the line passage for wedging the fishing line into said continuation, said stop means also preventing the plunger from coming out of the guide opening, said plunger being adapted to be moved from its line-wedging position to its retracted position either by pulling it outward by its outer end or in response to tensioning of the fishing line.

2,581,260
FISHING FLOAT
William Lee Keen, St. Louis, Mo.
Application September 19, 1949, Serial No. 116,531
7 Claims. (Cl. 43—44.87)



1. A fishing float comprising a buoyant float body having a groove in its surface, a fishing line clamp comprising a lever pivotally mounted intermediate its ends in the groove and extending lengthwise in the groove, a portion of the lever toward one end thereof being adapted to clamp a fishing line extending transverse to and under the lever against the surface of the float body, the float body having a recess under the other end of the lever, and a compression spring in the recess under the lever reacting from the bottom of the recess to bias the lever for clamping the fishing line.

2,581,261
TAPE FOR DRIVING PULLEYS
Alfred K. Landau, Newtonville, Mass., assignor to Lambeth Rope Corporation, New Bedford, Mass., a corporation of Massachusetts
Application September 15, 1949, Serial No. 115,809
6 Claims. (Cl. 139—383)



1. An endless driving tape for a crowned pulley comprising warp strands spaced to form a tight weave transversely of the tape in the marginal areas thereof, the said warp strands spaced apart

in the central area of the tape to form a loose weave along the said central area thereof, and filling strands spaced evenly along the entire length of the said tape, whereby the tape will have increased porosity and flexibility in the said central area, will be thinner in the said central area so that the central area will arc over the central portion thereof, and will bear on the pulley in the marginal areas of the tape to each side of the crown of the said pulley to effect the main driving force between the tape and the pulley.

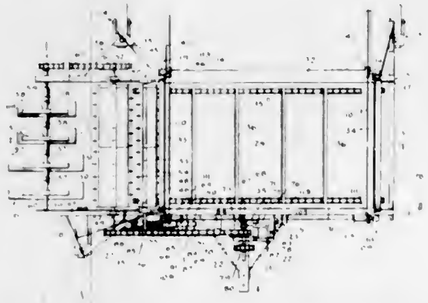
2,581,262
TOOL FOR DRIVING AND SETTING BLIND FASTENERS
Joseph C. Lang, Pittsburgh, Pa., assignor to Bocjl Corporation, Pittsburgh, Pa., a corporation of Delaware
Application February 27, 1948, Serial No. 11,567
6 Claims. (Cl. 218—19)



1. For use in connection with a fastener that has a head and a stem relatively movable to the head and connections between the head and the stem which are bowed outwardly when such relative movement between the head and the stem is effected, an implement comprising a presser foot member bifurcated so that the presser foot member may rest on the head of such a fastener while the stem may be received and pass through the bifurcation thereof, an elongated handle member with the presser foot member located at one end thereof, the adjacent end of the handle member and the foot being connected for relative tilting movement about an axis transverse to the longitudinal axis of the handle member, and a lateral extension on the handle member having a clamp that overhangs the bifurcated end of the presser foot member for releasably engaging the stem of such a fastener when the presser foot is engaged against the head of the fastener and the stem is between the bifurcated portions thereof, relative pivoting movement between the handle member and the foot member serving to move the clamp relative to the foot and thereby impart relative motion to the stem of the fastener.

2,581,263
MACHINE FOR DISTRIBUTING FERTILIZER MATERIAL AND THE LIKE
Maurice E. Lehman, Harrisonburg, Va.
Application September 26, 1947, Serial No. 776,334
4 Claims. (Cl. 275—6)

4. A machine for spreading material, comprising a wheeled frame, a draft appliance secured to the forward end of the wheeled frame to connect it with a tractor, a box mounted upon the wheeled frame and having a discharge opening adjacent to one side of the wheeled frame, a conveyor to feed the material toward the discharge opening, means to operate the conveyor including a shaft extending longitudinally of the wheeled frame and having its forward end extending forwardly beyond such frame, a gear wheel mounted upon the forward end of said shaft, a lever pivotally mounted between its ends upon said shaft adjacent to the gear wheel to swing vertically, a spring to move the lever in one direction, a pall pivoted to the lever to engage the gear wheel, a second shaft mounted upon the frame and extending longitudinally thereof and projecting forwardly beyond the frame, a sprocket wheel mounted upon the second shaft and disposed forwardly of the frame,

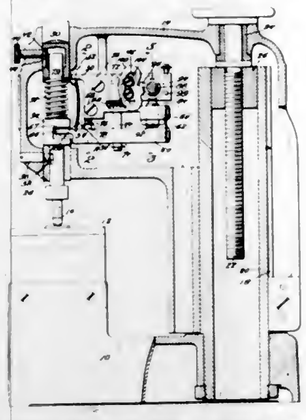


a cam connected with the sprocket wheel to rotate therewith and arranged to engage the lever, spreading mechanism mounted upon the wheeled frame upon that side thereof near the discharge opening, said spreading mechanism including a sprocket wheel arranged forwardly of said frame and having its axis of rotation extending longitudinally of the frame, a longitudinal shaft mounted upon the frame at the forward end of the frame, a sprocket wheel mounted upon the longitudinal shaft, a sprocket chain passing about the sprocket wheels of the longitudinal shaft and the spreading mechanism and passing over and engaging the sprocket wheel connected with the cam, and yielding means connected with the lever to swing the same in one direction out of the path of travel of the cam.

2,581,264
GAUGE
George N. Levesque, Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application August 1, 1945, Serial No. 608,153
15 Claims. (Cl. 33—147)

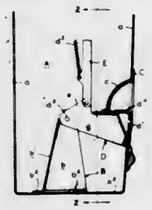
1. A gauge which comprises a support, a contact element carried by the support for movement over a limited range with relation to the support, a distortable element supported from the support as a bowed column to be maintained under a condition of strain and connected with the contact element to be extended and compressed with the movement of the contact element within an area of substantially constant resistance to said distortion in which the distortion has caused the element to fail as a column but not to exceed its elastic limit, and electrical measuring means including an electrical strain sensitive gauge mounted on said distortable element to detect and to measure variations of strain

produced in said element by the distortion there-



of as an indication of the position of said contact element.

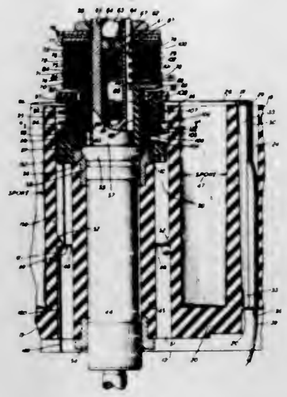
2,581,265
DEVICE FOR OPERATING FASTENINGS FOR DOORS OF VEHICLES
Leonard P. Lord, Storridge, near Malvern, England, assignor to The Austin Motor Company Limited, Northfield, Birmingham, England
Application January 25, 1949, Serial No. 72,674
In Great Britain January 28, 1948
3 Claims. (Cl. 292—255)



3. In a device for operating fastening means for doors of vehicles having at least one door provided with a recess in the lower portion of an outer wall thereof to accommodate the toe end of an operator's foot, a partly-spherical inwardly directed portion on said outer wall defining the rear wall of said recess, a bracket secured to said door and carrying inwardly of said outer wall a horizontally disposed pivot pin, a pedal lever pivoted on said pivot pin and extending outwardly therefrom, said pedal lever having an upper tread surface and a depending outer surface which jointly provide a bottom wall for said recess when the pedal lever is in normal inoperative position, said tread surface engaging the lower extremity of said inwardly directed portion, an upwardly extending latch-operating rod pivoted to said pedal lever and operable to release a latch when said pedal lever is depressed, and spring means which maintain the pedal lever in normal position and return said lever to that position after each depression thereof.

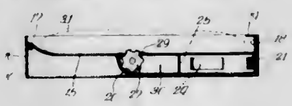
2,581,266
ELECTRICAL BRUSH CONTACT DEVICE
George Renwick Lum, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 25, 1946, Serial No. 679,111
12 Claims. (Cl. 173—324)

1. An electrical connecting means forming an electrical connection between relatively movable parts comprising a contact, a flexible conductor extending around and engageable with said contact, a terminal electrically connected to said flexible conductor, spring means attached to said flexible conductor and operable to pull said flexible conductor into engagement with said con-



tact, an apertured body for said flexible conductor, spring means and terminal, an apertured sleeve supported in said apertured body and extending around said contact and cooperable with said apertured support to control the engagement of said flexible conductor with said contact.

2,581,267
FACE POWDER DISPENSING RECEPTACLE
Walter Majewski, Norwood Park, Ill.
Application March 3, 1947, Serial No. 732,021
3 Claims. (Cl. 222—205)

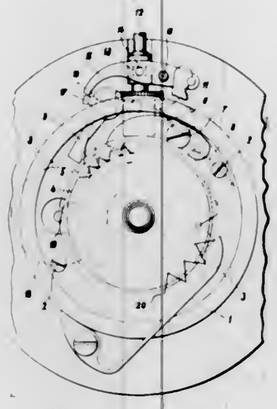


1. A face powder dispensing device comprising a case, a partition having an opening therein hingably positioned within said case, a receptacle adapted to receive a quantity of powder affixed to said partition, a ribbed roller carried by said receptacle and positioned so as to extend partially into the opening in the partition, the bottom wall of said receptacle being rounded at one end to form an adjoining wall thereof and said ribbed roller being positioned in close proximity thereto whereby the ribs of said roller make a brushing contact with a part of said curved section, and means in said receptacle for maintaining a powder therein in a compacted contactual relation with said ribbed roller, said means including a closure for said receptacle, a spring affixed at one end thereto, and a plate affixed to the opposite end of the spring and urged thereby toward said roller.

2,581,268
CALENDAR TIMEPIECE
Adamir Marchand, La Chaux de Fonds, Switzerland, assignor to Benrus Watch Company, Inc., New York, N. Y., a corporation of New York
Application July 7, 1949, Serial No. 103,493
In Switzerland March 18, 1947
2 Claims. (Cl. 58—58)

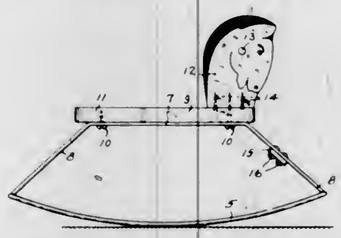
1. A calendar timepiece comprising a watch movement having mounted thereon the following:

a winding mechanism including a winding stem, said winding stem being displaceable on the watch movement from a winding position axially inwardly to a date setting position and axially outwardly to an hour-setting position, a member for indicating the date of the month, a dial holder ring, a setting device normally in an inoperable position for manually setting said date member, a stem set operable by the axial displacement of said winding stem, means operable upon an inward axial displacement of the winding stem from its winding position for operating said setting de-



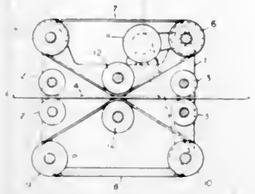
vice to move and set the date member, spring means for normally holding the stem in its winding position and the setting device in its inoperable position, a spring pressed pawl acting as a detent on said date member, the said setting device, spring means and pawl being mounted on said ring, said spring means offering a resistance sufficient to prevent unintentional inward axial displacement of the winding stem.

2,581,269
ROCKING HORSE
Robert L. McCartney, Renton, Wash.
Application October 5, 1949, Serial No. 119,687
4 Claims. (Cl. 155—69)



1. In a rocking horse a rocker member embodying an oval shaped metal loop of substantially greater length than width having spaced apart side portions connected by rounded end portions and having a rocker shaped curvature from end to end thereof; a combined truss member and seat support of inverted trough shape having two end portions fixedly secured to the rounded end portions of said rocker member and extending like an arch above said rocker member from end to end thereof medially of said rocker member; and seat means carried by said truss member and seat support.

2,581,270
VARIABLE ABRASIVE BELT BACKUP WHEEL
Elden N. McVey, Ashtabula, Ohio
Application November 29, 1949, Serial No. 129,959
6 Claims. (Cl. 51—141)



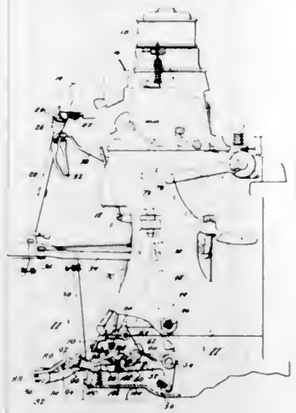
1. A back-up wheel for an abrasive belt and the like comprising a pair of axially spaced, substantially radially rigid circular side plates, a plurality of substantially rigid back-up bars extending between said side plates adjacent their peripheries and removably supported on said plates in circumferentially spaced relation, and a resilient covering surrounding each said back-up bar and projecting radially outwardly of the peripheries of said side plates.

2,581,271
PHOTOELECTRIC DEVICE FOR INDICATING THE DIMINUTION OF LIGHT
Ernst Meili, Bad Ragaz, Switzerland, assignor to Elektro-Watt Elektrische und Industrielle Unternehmungen A. G., Zurich, Switzerland, a company of Switzerland
Application September 9, 1947, Serial No. 773,036
In Switzerland January 18, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 18, 1966
14 Claims. (Cl. 250—211)



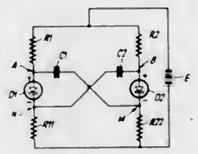
7. An electric gas discharge tube for indicating a charge of light, said tube comprising a casing, two electrodes located within said casing and forming a discharge gap, one of said electrodes being photo-sensitive and being irradiated, a third electrode located within said casing and forming another discharge gap with said photo-sensitive electrode, and means connected with said photo-sensitive electrode and said third electrode and including a reactance for passing a weak electrical preliminary current through the first-mentioned discharge gap, the magnitude of said preliminary current being determined by said reactance as being such that it is at least periodically smaller than the ignition current at a certain predetermined intensity of said irradiation but at least periodically greater than the ignition current at a certain predetermined lower intensity of said irradiation, conditions of the gas discharge being such that the discharge current becomes unstable and a surge discharge, the current intensity of which at least periodically exceeds that of the preliminary current, occurs when the ignition current is smaller than the preliminary current owing to a decrease in irradiation, said surge discharge causing the ignition of the second-mentioned discharge gap.

2,581,272
AUTOMATIC SHOE MACHINE
John A. Miller, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 10, 1949, Serial No. 109,587
4 Claims. (Cl. 12—17)



1. In a shoe machine, mechanism for operating upon a shoe, a shoe supporting jack, a jack supporting assembly including a horizontally disposed jack support lever, yieldable means biasing the jack and support lever upwardly to present the jacked shoe to the operating mechanism, a toggle connection comprising a pair of pivotally connected links attached between the support lever and the machine arranged when straightened to move the jacked shoe away from the operating mechanism and having a straightened beyond-center locking position, spring means biasing said links across center position, and means for controlling the position of the toggle including a foot treadle connected with the support lever to be depressed bodily to move the support lever and toggle to straightened position and for an additional rocking movement relative to the support lever, and a connection between the treadle and toggle links responsive to a rocking movement of the treadle for moving said links across center position against the pressure of said biasing spring means.

2,581,273
CIRCUITS EMPLOYING GERMANIUM DIODES AS ACTIVE ELEMENTS
William A. Miller, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 6, 1947, Serial No. 790,199
6 Claims. (Cl. 250—36)



5. A multivibrator circuit arrangement including a series circuit comprising an impedance element capable of passing direct current, a germanium diode and a further impedance element capable of passing direct current, means to apply direct operating potential across said series circuit of value at which said diode exhibits a negative resistance characteristic, the positive pole of said diode having operating potential thereon negative with respect to that applied to the negative pole of said diode, another series circuit substantially the same as and connected in parallel with the first said series circuit, and further impedance devices capable of passing alternating current cross-connecting unlike poles of the diodes of said series circuits.

2,581,274
NECKTIE CLASP
Edwin S. Mix, Rochester, N. Y., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y., a corporation of New York
Application August 28, 1950, Serial No. 181,833
1 Claim. (Cl. 24—49)



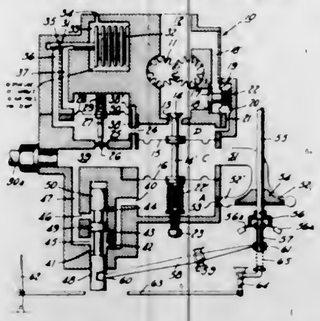
A necktie clasp comprising an elongated substantially flat front bar having at one end a reversely bent portion spaced from the rear face thereof, an elongated rigid clamping lever, said lever from a point substantially centrally of its ends, being of partially circular cross sectional shape and gradually tapering to a point at its forward end, the opposite side marginal edge portions of said forwardly tapering part converging to the forward end of the lever and being uninterruptedly serrated and forming fabric gripping portions of substantial length extending in a common plane, the serrated forwardly converging fabric gripping portions being of greatest width at their inner ends and gradually decreasing in width toward the forward end of the lever, the extreme forward end portion of the lever being curved laterally to the rear side thereof so that the pointed end of the same is disposed in the same plane as the serrations of said fabric gripping portions and forms a continuation thereof, that part of the clamping lever rearwardly of said opposed serrated fabric gripping portions being of less width than said forward tapering part of the lever and being of substantially U-shaped cross section, said rear part being formed slightly convex longitudinally at its outer side and being offset laterally and rearwardly from, and extending at an obtuse angle to the plane of said opposed serrated fabric gripping portions, opposite side portions of said narrower rear part of the clamping lever intermediate the ends of said rear part being provided with registered openings therein, means engaging said openings pivotally connecting the clamping lever to the outer free end of the reversely bent end portion of the front bar, whereby when portions of a shirt and necktie are gripped between the forwardly converging serrated fabric gripping portions of the clamping lever and the rear face of the front bar, said serrated portions of the clamping lever will extend in substantial parallelism with the front bar, and the shirt and necktie will be gripped over a substantial area thereof by said parts, the lever also having at its rear end a finger engaging portion disposed opposite to and normally spaced from the reversely bent end portion of the front bar, and a spring carried by said pivot means and normally urging said fabric gripping portions of the clamping lever toward the front bar.

2,581,275

FUEL FEED RESPONSIVE TO AIR PRESSURE AND TEMPERATURE, FUEL FLOW, AND SPEED FOR GAS TURBINES

Frank C. Mock, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application October 9, 1944, Serial No. 557,812
26 Claims. (Cl. 60—39.28)



3. In a system for feeding fuel to the burner of a gas turbine engine, a conduit for supplying metered fuel to the burner, a metering restriction in the conduit, means for regulating the pressure drop across the restriction, and means for automatically increasing the effective area of the restriction with an increase in engine speed.

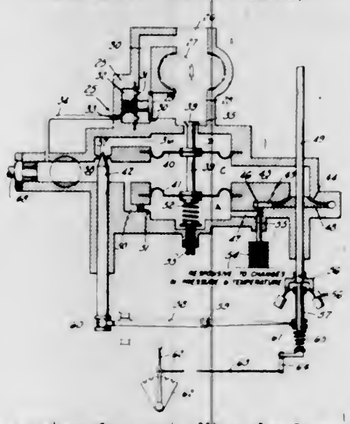
25. In a system for feeding liquid fuel to a gas turbine engine, a fuel supply conduit having a metering restriction therein, a first valve for varying the area of said restriction, a first pressure responsive means for controlling said valve, a second valve for controlling the metering head across said restriction, a second pressure responsive means for controlling said latter valve, power control means adapted to adjust the pressure differential across said second pressure responsive means, and means for subjecting said first pressure responsive means to a measure of the fuel metering head.

2,581,276

FUEL FEED AND POWER CONTROL SYSTEM FOR GAS TURBINES, JET PROPULSION, AND THE LIKE

Frank C. Mock, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application May 30, 1945, Serial No. 596,620
18 Claims. (Cl. 60—39.28)



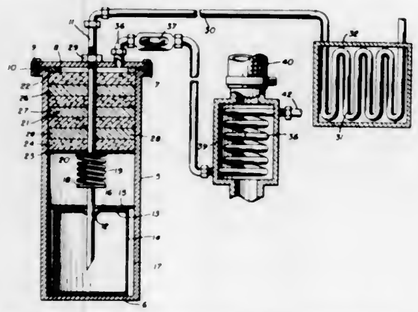
1. In a system for controlling the flow of liquid fuel to the burner of a gas turbine engine, means defining a flow passage for the fuel having a variable feed restriction therein, a manually controllable valve for selectively varying the area of said restriction to accelerate and decelerate the engine, a regulator valve movable to different positions to control the metering head across said restriction, means for automatically positioning said regulator valve as a function of engine speed, and means responsive to changes in pressure of the air flowing to the burner for modifying the action of the regulator valve.

2,581,277

OIL FILTER

Gottlieb J. Morgenthaler, Philadelphia, Pa.

Application December 17, 1946, Serial No. 716,835
3 Claims. (Cl. 210—134)



1. An oil filter comprising a cylindrical case closed at its bottom, a cover secured to the top of the case and having an outlet, a sediment container in the bottom of the case having an upstanding flange at its upper edge forming a recessed top having an opening, a lower filtering element resting on the flange of the sediment container and forming a chamber at the top of the sediment container, a feed tube extending downwardly in the case through the cover and through the opening in the sediment container, said tube having a clearance in the opening to provide an outlet for the sediment container for the escape of oil upwardly through the opening into the case, an upper filtering element in the top of the case, and composed of superposed layers of filtering material, a spacer ring between the upper filtering element and the cover, and spring means carried by the tube above the lower filtering element and holding said layers of the upper filtering element compressed against the spacer ring.

2,581,278

ABRASIVE DETERGENT COMPOSITION

Casimir J. Munter, St. Clair Township, Allegheny County, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Original application June 1, 1945, Serial No. 597,157, now Patent No. 2,494,827, dated January 17, 1950. Divided and this application October 22, 1949, Serial No. 123,106
7 Claims. (Cl. 252—116)

1. A finely-divided free-flowing detergent composition consisting essentially of from about 40%–60% by weight of a sodium soap, from about 30%–40% by weight of finely-divided water-insoluble crystalline sodium metaphosphate, from about 2%–10% by weight of finely-divided crystalline potassium metaphosphate and from about 5%–10% by weight of anhydrous tetrasodium pyrophosphate, said detergent when used having both water softening and abrasive properties resulting from that portion of the crystalline sodium metaphosphate which is not dissolved while the product is being used.

2,581,279

JUVENILE SEATING DEVICE

Homer T. Muri, Kansas City, Mo., assignor of one-half to Findley A. Collins, Kansas City, Mo.

Application February 14, 1949, Serial No. 76,389
20 Claims. (Cl. 155—11)



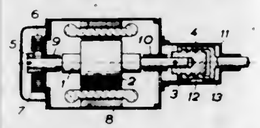
8. A chair of the character described having a frame comprising a base with a pair of upstanding side members, said frame being invertible and said base being shaped to form a hook by which the frame may be hung in inverted position with said side members depending from the base, a seat slidably supported on said side members for movement up and down on same, said frame including stops limiting the distance said seat can move in either direction on said side members, and resilient cushioning means between said seat and one of said stops.

2,581,280

ELECTRIC REGULATOR INCORPORATING PILED UP CARBON ELEMENTS

Marcel Musso, Paris, France

Application May 18, 1949, Serial No. 93,982
In France May 21, 1948
5 Claims. (Cl. 201—51)



1. A method for applying a variable pressure on a stack of carbon elements forming a resistor influencing an electrical current to be regulated, comprising causing said current to develop electrodynamically, in combination with a magnetic circuit, the reluctance of which is constant, a static deflecting torque depending solely on characteristics of said current, and causing said torque to produce on the resistance a pressure the value of which depends solely on the turning movement of said torque.

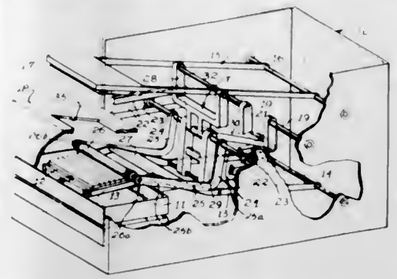
2,581,281

PRINTING MACHINE FOR SMALL ARTICLES

James R. Newell, Creston, Iowa

Application November 26, 1946, Serial No. 712,440
5 Claims. (Cl. 101—311)

1. A printing press of the character described, comprising a frame, an upper and a lower pair of substantially horizontally disposed arms having forward and rearward ends, means pivotally supporting the rearward ends of the upper and lower pairs of arms in the frame for vertical swinging movement whereby the forward ends of the arms may be alternately brought together and separated, an impression plate carried by the forward ends of the upper arms, a type chase carried by the forward ends of the lower arms, means for supporting a sheet of material in the meeting plane between the impression plate and type in the chase, and means for synchronously swinging the said pairs of arms to alternately bring together and separate the impression plate



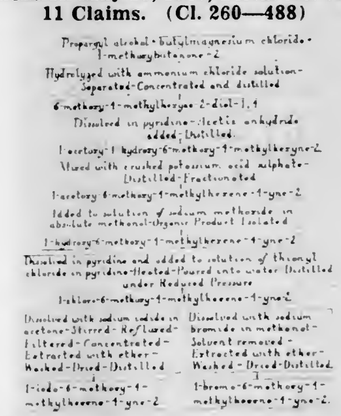
and the type chase, the said means for synchronously swinging said pairs of arms comprising an articulated two-part thrust unit connected between the pairs of arms, a pivot for the articulation, means securing the pivot against movement in the direction of movement of the arms but permitting movement of the pivot lengthwise of the arms, and a reciprocating rod connected to the articulation between the parts of said unit for effecting upon reciprocation the alternate straightening and folding of the articulated unit.

2,581,282

1-HYDROXY - 6 - ALKOXY - 4 - METHYL-HEXENE-4-YNE-2 AND LOWER FATTY ACID ESTERS THEREOF

Melvin S. Newman, Columbus, Ohio, assignor to Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio

Application May 10, 1947, Serial No. 747,177
11 Claims. (Cl. 260—488)



1. As a composition of matter, a hexene-yne having a general structural formula of

$$YCH_2-C\equiv C-\overset{CH_3}{\overset{|}{C}}=CH-CH_2OR$$

where Y represents a member of the class consisting of the hydroxyl group and fatty acid esters of the hydroxyl group in which the acid component has not more than five carbon atoms and R represents a lower alkyl radical having not more than six carbon atoms.

2,581,283
HALO-ALKOXY-HEXENE-YNES
Melvin S. Newman, Columbus, Ohio, assignor to The Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio
Original application May 10, 1947, Serial No. 747,177. Divided and this application July 1, 1950, Serial No. 171,744
15 Claims. (Cl. 260—614)



1. As a composition of matter, a hexene-yne having a general structural formula of

$$XCH_2-C\equiv C-C=CH-CH_2OR$$
(with CH_3 on the C=CH carbon)

where X is a halogen atom and where R represents a lower alkyl radical having not more than six carbon atoms.

8. A process of forming a 1-chloro-6-methoxy-4-methylhexene-4-yne-2 comprising the steps of dissolving 1-hydroxy-6-methoxy-4-methylhexene-4-yne-2 in dry pyridine; adding the solution to a cold solution of thionyl chloride in dry pyridine; allowing the solution to stand at room temperature; heating the solution; isolating; and distilling the product under reduced pressure.

2,581,284
1-HALO-6-ALKOXY-4-METHYLHEXADIENE-2,4 AND PREPARATION THEREOF
Melvin S. Newman, Columbus, Ohio, assignor to The Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio
Original application May 10, 1947, Serial No. 747,176. Divided and this application November 9, 1950, Serial No. 194,858
10 Claims. (Cl. 260—614)

1. A new composition of matter consisting of 1-halo-6-methoxy-4-methylhexadiene-2,4, where the halo atom is selected from the group consisting of the chloro and iodo.

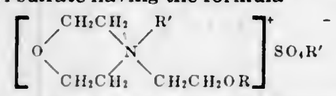
4. A process of preparing a 1-halo-6-alkoxy-4-methylhexadiene-2,4 which comprises reacting a 1-hydroxy-6-alkoxy-4-methylhexadiene-2,4 with an inorganic acid halide selected from the class consisting of thionyl chloride, thionyl bromide, phosphorus trichloride, phosphorus tribromide and phosphorus pentachloride in the presence of a tertiary amine acid-binding agent selected from the class consisting of pyridine, the



picolines, the lutidines, quinoline, the dialkyl anilines and the trialkyl amines.

2,581,285
QUATERNARY AMMONIUM SALTS OF MORPHOLYL ETHERS
Joseph B. Niederl, Brooklyn, and Victor Niederl, Round Top, N. Y., and Martin E. McGreal, Somersworth, N. H., assignors, by direct and mesne assignments, to J. B. Niederl and Associates, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 28, 1946, Serial No. 680,070
5 Claims. (Cl. 260—247.1)

5. A neutral, water soluble, capillary-active and substantially acid and alkali-stable disinfecting N-alkyl-N-(B-alkoxy)ethyl morpholinium alkyl sulfate having the formula

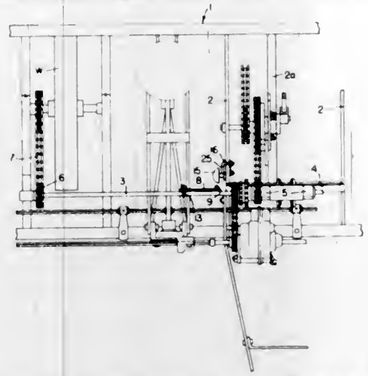


wherein R is an unsubstituted straight chain alkyl hydrocarbon radical of from 12–18 carbon atoms and R′ is an alkyl chain consisting of a continuous saturated aliphatic hydrocarbon chain of from 1–2 carbon atoms.

2,581,286
SPEED RESPONSIVE DEVICE FOR PLANTERS
William P. Oehler, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 5, 1949, Serial No. 125,690
2 Claims. (Cl. 116—57)

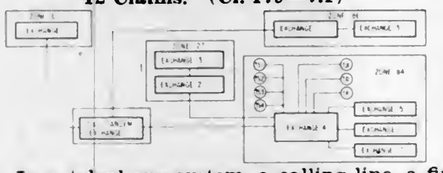
1. In an agricultural machine adapted to be drawn over the ground and to be subject to vibrations and the like incident to unevenness of the ground, said machine having a frame, a ground wheel, and a shaft driven by said ground wheel, the combination therewith of a speed-responsive alarm comprising a single spring member fixed at one end to said shaft and adapted to have its other end swing radially outwardly of said shaft in response to centrifugal force due to rotation of said shaft, said other end moving in a given path of revolution at a desired speed of rotation of said shaft, an alarm device adapted to be struck by said other end of said spring member to be actuated thereby, and means fixing said device to said frame

in a position closely adjacent but generally below and radially outside of said path of movement so that, at said speed of rotation of said shaft, said alarm device will be actuated at occasional intervals when the sudden generally vertically upwardly directed acceleration of the machine, incident to travel of the machine over uneven terrain, acts on said spring cumulatively with the centrifugal force due to rotation of



said shaft at or near said desired speed of rotation and momentarily causes said other end of said spring member to move beyond said given path and engage said alarm device, whereby the operator will know by virtue of said occasional operations of the alarm device that he is operating the machine substantially at the rate sufficient to actuate said shaft at said desired rate of rotation.

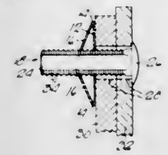
2,581,287
AUTOMATIC CHARGE-RECORDING TELEPHONE SYSTEM
John E. Ostline, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 23, 1946, Serial No. 649,583
12 Claims. (Cl. 179—7.1)



2. In a telephone system, a calling line, a first class called line, a second class called line, means for extending a connection from said calling line to either said first class or said second class called line, means included in said connection for registering various items of record information in conjunction with said connection, means controlled in the event said connection is answered and subsequently released for making a record of said registered items, and means controlled only in the event said connection extended to said second class called line is not answered for controlling said recording means to make a record of said registered items responsive to the release by said calling line of said unanswered connection.

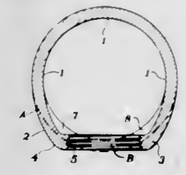
2,581,288
RESILIENT SCREW FASTENER
John W. Pletcher, Jr., South Bend, Ind.
Application May 13, 1946, Serial No. 669,327
2 Claims. (Cl. 85—36)

1. In combination, a screw-threaded securing member having diametrically opposed flats, and a fastener member comprising a stiff resilient elongated body bent transversely to define a central portion and a pair of converging end portions, said central portion having an elongated opening therein having a major dimension greater than the diameter of said securing member and a minor dimension for interlocking engagement with said screw threads and greater than the spacing of said flats, the free edges of



said end portions being adapted for resilient interlocking engagement with said screw threads, said securing member being freely slidably insertible in said fastener when said flats are parallel to the major dimension of said elongated opening and interlocking with said fastener at the opening of said central portion and at the free edges of said end portions upon partial rotation of one of said securing and fastener members relative to the other.

2,581,289
DISK NOZZLE SHOWER DEVICE
Bruno E. Prevost, North Andover, Mass., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass., a corporation of Massachusetts
Application February 9, 1949, Serial No. 75,410
6 Claims. (Cl. 299—104)

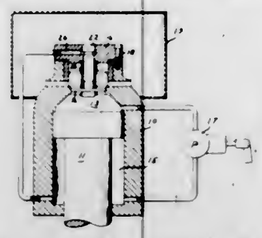


1. A shower for use in a paper mill comprising; a pipe having a cross section, the major portion of which is circular and the minor portion of which is a chord of the circle, said pipe being provided with a plurality of threaded circular openings spaced longitudinally along the chord portion, and a nozzle threaded in each opening comprising a thin circular disc provided with a central discharge orifice of substantial size and two angularly disposed grooves, one on the inside and one on the outside of said disc, intersecting said orifice.

2,581,290
SURGE VALVE
Howard M. Purcell, Philadelphia, Pa., assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application July 8, 1947, Serial No. 759,672
2 Claims. (Cl. 121—38)

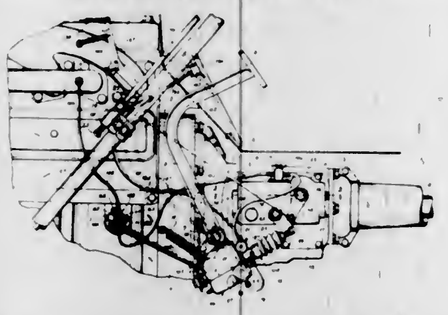
1. A combination surge and prefill valve for a hydraulic ram having a ram-advancing pressure area, a ram-retracting pressure area, and means to introduce fluid under pressure to either of said areas, comprising means defining a vertically arranged valve chamber communicating at one end with the ram-advancing area and an exhaust port intersecting the valve chamber intermediate the ends thereof; a valve member movable in said chamber between positions opening and closing communication between the ram-ad-

vancing area and said exhaust port, said valve member having a passage extending longitudinally therethrough and being formed with a plurality of restricted radially disposed orifices extending from said passage to the outer surface of said valve member and arranged a distance inwardly from one end of said valve member, said restricted orifices being arranged to provide restricted communication between the ram-advancing area and said exhaust port upon initial movement of said valve member toward its open



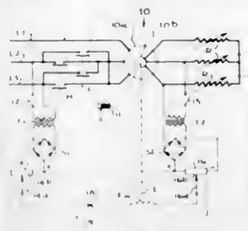
position and prior to movement of said valve member to a position providing for unrestricted communication between the ram-advancing area and said exhaust port; spring means engaging said valve member and resiliently urging the same to a closed position; and fluid-pressure-responsive means connected with said valve member and responsive to the pressure of fluids within the ram-retracting area for moving said valve member to an open position in opposition to said spring means.

2,581,291
PRESELECTIVE TRANSMISSION CONTROL
Glenn T. Randol, St. Louis, Mo.
Application August 5, 1944, Serial No. 548,161
34 Claims. (Cl. 192—.092)



1. In a speed-changing control mechanism for a vehicle provided with a change-speed transmission and with a vehicular control member movable to different positions in controlling the operation of the vehicle, a fluid motor for controlling the transmission, conduit means for connecting the fluid motor to a source of pressure different from atmosphere, a shut-off valve means for the conduit means, means for opening the valve means when the vehicular control member is moved from one predetermined position to another predetermined position, means for maintaining the valve means in said open condition during a portion of the return movement of said vehicular control member, means for releasing said maintaining means when the control member has further return movement, and means for fully closing said valve after said maintaining means is released and independently of continued return movement of the vehicular control member to its first predetermined position.

2,581,292
CONTROL SYSTEM FOR INDUCTION MOTORS AND BRAKING GENERATOR COMBINATION
Harold J. Rathbun, Cleveland, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 25, 1950, Serial No. 181,365
10 Claims. (Cl. 318—203)



1. A control system for the type of hoists powered by a polyphase wound rotor induction motor having an external secondary circuit and arranged to drive loads and to be driven by descending loads, selectively, and mechanically coupled to a braking generator means having flux producing winding means and operable to exert different degrees of torque depending upon the excitation of the winding means, said control system comprising the combination with reversing means operable to connect the motor to a source of power for causing the motor to hoist said loads and to drive said loads downwardly, selectively, a resistor arranged to be connected in said secondary circuit, switching means operable to adjust the effective resistance of said resistor, circuit means for supplying current to said winding means, means for connecting the circuit means to a source of substantially constant voltage for excitation thereby, additional means for concurrently connecting said circuit means to said secondary circuit for concurrently exciting said circuit means in accordance with an electrical condition of said secondary circuit in opposition to said excitation provided by said substantially constant voltage, thereby producing a resultant excitation of said circuit means, of means connected in said circuit means and operative to maintain said resultant excitation at a very low value until a predetermined motor speed is reached.

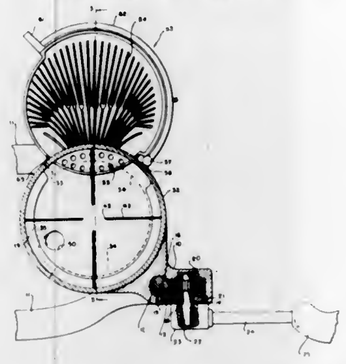
2,581,293
AIRCRAFT LOADING RAMP
Robert C. Read, Weston, and Frank J. Gregor, Wilton, Conn.
Application August 25, 1947, Serial No. 770,538
3 Claims. (Cl. 14—72)



1. An aircraft loading apparatus provided with plural ramps arranged in side-by-side relationship, one for emplaning and another for deplaning, each of such ramps including a lower wall, an upper wall, and side walls, a cab disposed at the outer ends of the ramps, means for raising such cab to an adjusted, fixed position, a slidable extension housing at the outer end of such cab, the outer terminals of the lower walls of the ramps being pivotally connected with the inner

end of the cab, a housing having plural levels and openings on such levels receiving the inner terminals of the ramps, an extensible floor section comprising plural spaced floor members fixed to the housing floor and plural spaced floor members disposed between the fixed members in sliding relation thereto, and pivotal means securing the sliding floor members to the inner terminals of the ramps.

2,581,294
JUICE EXTRACTOR
Robert C. Read, Weston, and Frank J. Gregor, Wilton, Conn.
Application November 6, 1947, Serial No. 784,404
3 Claims. (Cl. 100—42)



3. In an apparatus for expressing juice from citrus fruit and the like, the combination of a frame, a bowl removably mounted on the frame and having an elongated, horizontal opening in its side wall, a tray pivotally mounted within such opening for movement into and out of the bowl, an annular seat within the bowl for supporting the tray, the lower walls of the bowl and the tray having juice openings therein and inclined paths leading to such openings, knives mounted radially of the bowl above the tray and spaced from the axis of the bowl, the upper edges of the knives being inclined downwardly toward such axis, and a presser head arranged for vertical movement into the bowl and having slots to permit the head to pass below the knives to allow the fruit cut inwardly by the knives to be compressed between the head and the tray.

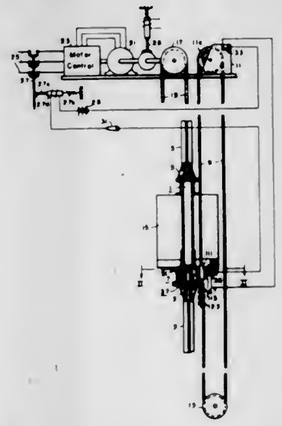
2,581,295
TROWELABLE BITUMINOUS FLOORING COMPOSITION AND METHODS OF MAKING SAME
Cyril A. Redfarn, London, England, assignor of one-half to Durastic Limited, London, England, a British company
No Drawing. Application February 3, 1949, Serial No. 74,469. In Great Britain September 11, 1947
11 Claims. (Cl. 260—28.5)

5. A trowelable bituminous flooring composition comprising between eighty and fifty-seven parts by weight of aluminous cement between five and one half and twenty-eight and one half parts by weight of plaster of Paris between two and ten parts by weight of asbestos floats between twenty and one hundred and twenty parts by weight of sand between nineteen and thirty-two parts by weight of polyvinyl acetate between twenty and thirty-five parts by weight of asphaltic bitumen and between eighty-one and one hundred and three parts by weight of water.

2,581,296
TREATED FUR FIBERS
George M. Rickus and Stanley G. Hoffman, Norwalk, Conn., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
No Drawing. Application August 4, 1947, Serial No. 766,094
10 Claims. (Cl. 28—72.3)

4. In the method of making a dyed fur felt hat body, the steps of mixing inferior fur and entire; depositing the mixture on a cone to form a bat; hardening the bat of the mixed fibers; applying to the bat after hardening and before completing the felting of the fibers a reaction mixture including melamine and formaldehyde and drying said fibers to form a surface of water insoluble melamine-formaldehyde reaction product on the fibers in the bat to improve both the dyeing and felting properties thereof; completing the felting of the fibers and shrinking of the bat into a hat body; and dyeing the felted fabric with an acid dye.

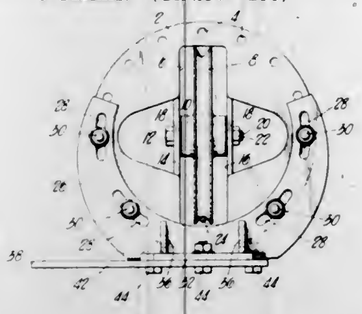
2,581,297
ELEVATOR SAFETY DEVICE
Lennius R. Rissler, Hohokus, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1949, Serial No. 105,818
13 Claims. (Cl. 187—83)



9. In an elevator system, a guide rail having spaced, continuous guide surfaces, a supporting structure, means engaging the guide rail for guiding the supporting structure for movement parallel to the guide rail, and a safety brake mounted on the supporting structure for gripping the guide rail to retard movement of the supporting structure, said safety brake comprising a pair of pivoted levers defining pincers having jaws positioned to grip the rail, a pair of rollers, each of said jaws positioning a separate one of the rollers adjacent but spaced from a separate one of said guide surfaces, said rollers having their axes parallel to said guide surfaces and transverse to the direction of movement of the supporting structure, said rollers being free to move relative to the jaws in the direction of movement of the supporting structure, a first one of the jaws having a wedging surface inclined relative to the associated guide surface for urging a first one of the rollers into intimate engagement with the associated guide surface as the first one of the rollers is moved relative to the jaws in the direction of movement of the sup-

porting structure, and operating means for moving the first one of the rollers relative to the jaws.

2,581,298
UNIVERSAL SHEAVE BRACKET ASSEMBLY
De Forest Roe, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application December 8, 1949, Serial No. 131,755
3 Claims. (Cl. 254—190)

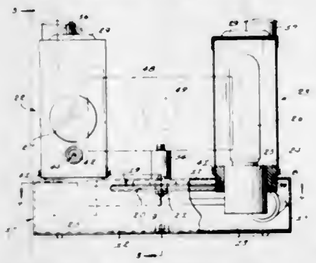


3. A universally adjustable sheave bracket assembly comprising a circular plate having a series of transverse bolt holes along its edge and an elongated center opening through its face, a bracket frame having an elongated center opening mounted on the circular plate with its center opening aligned with the elongated opening in the circular plate, a sheave rotatably mounted in said bracket frame with its axis normal to the axis of said plate, a cradle member having elongated openings in the side thereof fixedly mounted on a slotted disc member, the slots in said disc being curved to follow the curvature of the disc edge, the elongated openings in the cradle being curved according to the curvature of the circular plate, the circular plate being adjustably mounted in upright position on said cradle with the transverse bolt holes in the lower part thereof being aligned with the elongated openings in the cradle, nut and bolt means inserted through the transverse bolt holes in the plate and the elongated openings in the cradle to hold said circular plate in position, said circular plate being adapted to be rotatably adjusted to any position within 360 degrees about its axis in a plane normal to the plane of rotation of said sheave by realigning the transverse bolt holes and the last named elongated openings, said disc member being adjustably mounted on a flat base member having a series of bolt holes therein, said last named bolt holes being arranged in a circle aligned with the curved slots in the disc member, and nut and bolt means inserted through said bolt holes and said curved slots to hold the disc in position, said disc being adapted to be rotatably adjusted to any position within 360 degrees about its axis in a plane normal to the plane of rotation of said circular plate by realigning the slots in the disc with the bolt holes in the flat base member.

2,581,299
PROCESS FOR PRESERVING THE FRESHNESS OF CUT FERNS
Mary P. Rogers, Hilo, Territory of Hawaii
No Drawing. Application December 15, 1950, Serial No. 201,071
19 Claims. (Cl. 47—58)

1. The process of preserving the freshness of cut leafy ferns of the maiden hair or similar variety, having stems with soft pulp-like centers and having outer bark with linings interposed therebetween containing natural sealing fluids, consisting of the steps of cutting the ferns prior to reaching full maturity; immersing the stems in warm water at substantially 125° F. before the stems dry out to temporarily soften the sealing fluids and permit absorption of water through the linings to the leaves; continuing said warm water immersion step until the absorbed water produces a noticeable swelling of the leaves; removing the stems from the water and immediately upending the same to prevent the absorbed water from running out of the stems; and finally immersing the stems in ice water to reharden the sealing fluids and the linings of the stems, thereby retaining the absorbed water in the stems and leaves.

2,581,300
FOCUSING AND ILLUMINATING DEVICE FOR CAMERAS
Edward J. Rossman and Byron F. Bower, Aurora, Ill.
Application May 23, 1949, Serial No. 94,876
4 Claims. (Cl. 95—44)

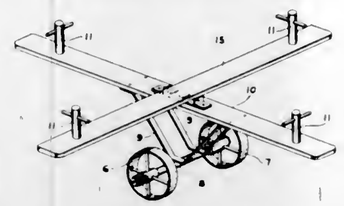


1. In a focusing and illuminating device, a flat rectangular base, a pair of housings pivotally mounted on said base spaced along the front side of the top surface of said base, a lens mounted in the front side of each of said housings, an electric lamp mounted within each of said housings in rear of said lenses, tubular elements projecting from the front sides of said housings below said lenses, other lenses mounted within said tubular elements, an electric lamp mounted within each of said housings in line with said tubular elements, means on said base to support a camera rearwardly of said housings in centered relation with respect thereto and with the camera lens axis extending between said housings, means mounted on the lower side of said base and operatively connected with said housings for simultaneously adjusting the same equally and in opposite directions about their respective pivots to direct light beams projected by said lenses to establish a focal point at a given focal distance from the lens of the camera, and switch means mounted on said base at opposite sides of the camera for controlling said lamps, the first lamps independently of the second lamps.

2,581,301
ANTIFRICTION COMPOSITION
Lawrence G. Saywell, San Mateo, Calif., assignor to Saywell Associates, South San Francisco, Calif., a joint venture
No Drawing. Application July 20, 1948, Serial No. 39,822
5 Claims. (Cl. 260—38)

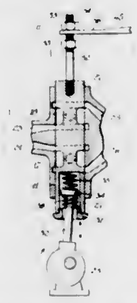
4. A composition serving to provide a low friction bearing surface comprising essentially a thermally set synthetic resin having dispersed therein finely divided solids serving to reduce the surface friction characteristics of the composition, the solids including flaked graphite, flaked copper, and flaked lead, the resin being the major constituent and the copper and lead being present in substantially equal proportions, the divided solids being substantially separated from direct physical engagement by the resin.

2,581,302
ROTATING SEESAW
Arno E. Schmechel, Thiensville, Wis.
Application January 29, 1948, Serial No. 5,005
3 Claims. (Cl. 272—30)



2. A combination merry-go-round and teeter totter comprising an axle provided with wheels, a board extending across the axle between the wheels, bracket means mounting the board from the axle for tilting movement upon the axis of the axle, and a second board having its intermediate portion pivoted on the intermediate portion of the first board and its ends projecting laterally from the first board.

2,581,303
MACHINE FOR SHAKING SIEVES AND THE LIKE, OPERABLE BY A RELATIVELY INCOMPRESSIBLE LIQUID
Aarne Immanuel Siimes, Mantta, Suomi, Finland
Application May 22, 1946, Serial No. 671,439½
In Finland June 1, 1945
1 Claim. (Cl. 121—147)



Hydraulic reciprocating mechanism, operable by a relatively incompressible liquid, comprising a valve casing having an inlet port to be connected to a source of hydraulic fluid under substantially constant pressure and a hydraulic fluid discharge port, two similar control chambers, conduits connecting said two chambers with said valve casing, a movable closure element in each chamber, means urging each movable closure element into the associated chamber, a slide valve reciprocable in said valve casing and provided with passages to connect, in one position thereof, said inlet port with a conduit leading to one of said chambers and said discharge port with a conduit leading to the second chamber and, in another position thereof, said inlet port with a conduit leading to said second chamber and said discharge port with a conduit leading to said first chamber, and means to reciprocate said slide valve rhythmically in said valve casing in which said two positions of the slide valve are its end positions and said slide valve is provided with an axial recess and carries at a distance from the inner end of said recess and inwardly projecting flange, said means for reciprocating said slide valve including a reciprocating rod projecting into said recess and having at its inner end a head, a spring between said head and the inner end of said recess, and a second spring between said head and said inwardly projecting flange, including a first control member movable with said slide valve and projecting from said valve casing, a second control member carried by one of said closure elements outside of the associated control chamber, and an adjustable abutment on one of said control members arranged for cooperation with the other control member to regulate the stroke of said slide valve.

2,581,304
OFFSET BURNER LIGHTER AND VIEWER DEVICE
Roy H. Sims, Waukesha, Wis.
Application September 6, 1949, Serial No. 114,177
2 Claims. (Cl. 67—6.1)

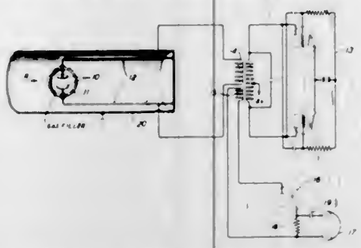


1. In a burner lighting device, the combination with an igniter, of an arm connected to the igniter, said arm being provided with an elbow near the igniter, a reflector mounted in the crook of said elbow, and a handle connected to the end of the arm remote from the igniter, said arm being provided with a second elbow near the handle, said elbows being disposed in substantially the same plane and the said reflector being disposed transversely of said plane.

2,581,305
DETECTION OF ELECTRICALLY CHARGED PARTICLES
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1943, Serial No. 502,486
6 Claims. (Cl. 250—83.6)

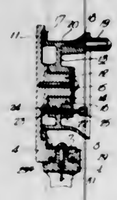
5. A detector of high energy rays or particles comprising a vessel permeable to such rays or particles and having an ionizable medium therein, a pair of electrodes within said vessel and defining a discharge gap, a shielded pair trans-

mission line, means for supplying radio frequency power to said line, said electrodes being bridged across a high impedance portion of said



line and said means establishing a potential difference between said electrodes below the breakdown potential of said gap, and indicating means responsive to ionization of said medium.

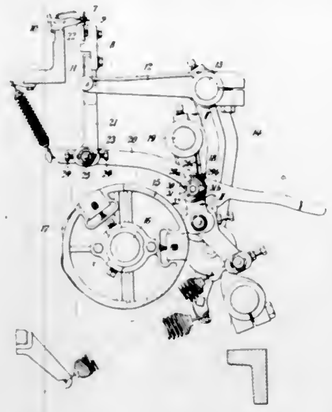
2,581,306
STATIONARY SPOOL REEL
William C. Slotterback, Langhorne, Pa.
Application June 16, 1948, Serial No. 33,291
1 Claim. (Cl. 242—84.5)



A fishing reel of the stated type comprising a base adapted for attachment in predetermined position to a rod, a bracket pivotally mounted on the base for adjustment through an angle of at least 180 degrees, a spool rotatably mounted on a cylindrical bearing projecting from one face of the bracket and having one axial end unobstructed, means for positively locking the spool selectively in at least three alternative positions of adjustment separated by angles of 90 degrees, said spool in at least one of said positions being disposed with its rotary axis parallel to said rod, an element movably mounted in a recess in the spool for frictional engagement with a confronting face of the bracket, a screw in the outer threaded end of said recess exposed at the unobstructed end of the spool, and a spring confined between the friction element and the screw and exerting resilient pressure on said element to retain it in frictional engagement with the bracket, said screw affording a means for adjusting the pressure of the spring for regulation of said friction.

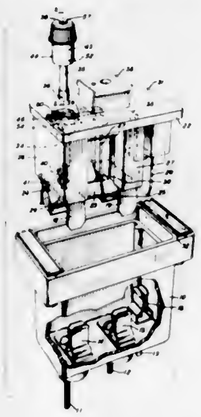
2,581,307
NEEDLE PRESS MECHANISM FOR STRAIGHT KNITTING MACHINES
Otto F. Smetana, Concord, N. C., assignor to Karl Lieberknecht, Inc., Reading, Pa., a corporation of Pennsylvania
Application July 30, 1949, Serial No. 107,777
8 Claims. (Cl. 66—82)

1. In needle press mechanism for a straight knitting machine having a bar with a series of needles, and a stationary bed with transverse grooves for guidance of a series of slide sinkers and with a longitudinally-extending press edge, the combination of a member by which the needle bar is hingedly supported for press movement; a vertically-arranged oscillated press arm; a horizontal link through which press movements are imparted to the needle bar from the press arm; and an adjustable pivot structure connecting one end of the link to the press arm, including a stud



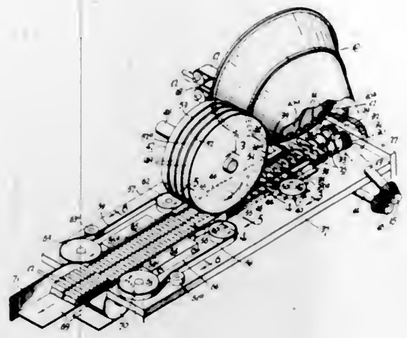
fixed in the press arm, an eccentric sleeve rotatively shiftable about said stud and engaged in said link, and means for preventing accidental rotative displacement of the sleeve in adjusted positions.

2,581,308
CONTROLLING AND INDICATING DEVICE
Howard J. Smith, Yonkers, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 9, 1949, Serial No. 109,317
5 Claims. (Cl. 200—114)



1. A circuit controlling device comprising a receptacle carrying contact members, closure means for said receptacle having a chamber therein, a main circuit fuse mounted on said closure means, an auxiliary circuit switching means operative upon the opening of said main circuit fuse mounted within said chamber, and contact members on said closure means associated with said main fuse and said auxiliary circuit switching means and electrically connected to said receptacle contact members only when said closure means is moved into the closed position.

2,581,309
ARTICLE WRAPPING APPARATUS
Constantine S. Stephano, Meadowbrook, Pa., assignor to Stephano Brothers, Philadelphia, Pa., a corporation of Pennsylvania
Application September 12, 1949, Serial No. 115,151
9 Claims. (Cl. 53—149)



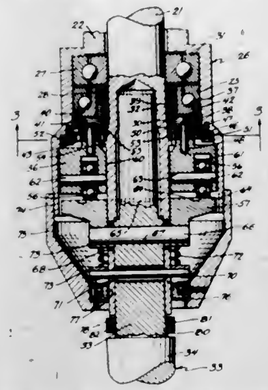
1. In article handling machinery, the subcombination which comprises a feed trough in which articles to be packaged are carried, a drum journaled above said trough, an arcuate bed in said trough, said bed being substantially concentric with said drum, means spaced along the sides of said arcuate bed for folding and wrapping the ends of articles fed between the drum and the groove, and means for feeding articles to be wrapped against the periphery of the drum.

2,581,310
PORCELAIN ENAMEL ARTICLE AND METHOD OF PRODUCING SAME
Benjamin J. Sweo, Lakewood, Ohio, assignor to Ferro Corporation, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 6, 1951, Serial No. 255,130
6 Claims. (Cl. 117—53)

1. In the method of porcelain enamelling a cleaned and roughened steel work piece surface having deep sharp edged pits therein, the steps comprising immersing said roughened steel work piece in an aqueous solution of a nickel salt, said solution containing a reducing agent selected from the class consisting of hypophosphorous acid and salts thereof in which the cationic portion is above tin in the electromotive series, whereby when the steel work piece is immersed in said solution the nickel salt is reduced and nickel deposited on the work piece without ion exchange between the work piece and the solution, maintaining the work piece in said solution until there has been deposited on the roughened surface thereof from about .04 to about .25 grams per square foot of nickel coating thereon, washing and drying the work piece, then applying directly on the thus nickel-coated roughened surface of the work piece a cover coat porcelain enamel which is substantially free of adherence promoting oxides, and then firing such enamel thereon.

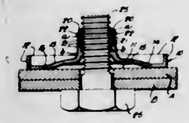
6. As a new article of manufacture, a porcelain enamelled steel article produced by the process of claim 1.

2,581,311
DRILLER
Milton C. Taylor, Chicago, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application January 13, 1945, Serial No. 572,710
6 Claims. (Cl. 77—32.3)



1. A device for drilling a machinable material comprising a rotary drive member, a rotary driven member, means of oscillating said members with respect to each other retractably within a minor portion of a revolution, and means controlling said last means for varying the point at which said oscillation occurs with respect to a work piece, including a planetary transmission comprising a ring gear held stationary with respect to the work piece, a sun gear driven by one of said members, and planet gears supporting said oscillating means.

2,581,312
LOCK NUT
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 14, 1948, Serial No. 54,535
2 Claims. (Cl. 151—21)

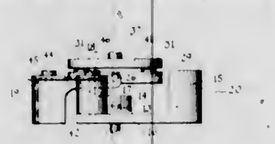


1. A nut structure comprising a sheet metal body providing a base, a portion of said base being provided with spaced slits forming a continuous strip having its ends integral with said base, said continuous strip projecting bodily upwardly out of the plane of said base, said continuous strip comprising an upstanding tubular hub intermediate a pair of diametrically opposite sections of said continuous strip joined to said tubular hub at opposite portions of the lower end of said tubular hub, said tubular hub having an internal thread.

2,581,313
CONSTANT SPEED CLUTCH
Fritz R. van der Woude, Safford, Ariz., assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio
Application November 12, 1948, Serial No. 59,566
1 Claim. (Cl. 192—104)

A clutch mechanism adapted to communicate rotary motion at a controlled speed from

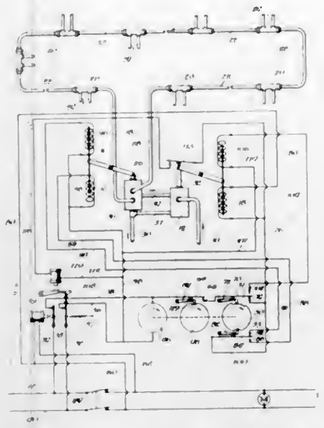
a first shaft to a second relatively co-axial and longitudinally displaced shaft of a power transmission means for driving a phonograph turntable, said mechanism comprising, in combination with said shafts, a rigid support secured to and rotatable with an end portion of said second shaft, a leaf spring of substantially U-form secured, by end portions of its legs which are relatively laterally interspaced, to corresponding interspaced points on said support which are relatively equidistant from the aligned axes of said shafts, and a U-shaped member secured by its yoke portion to the yoke portion of said spring and having a pair of arms which extend to opposite sides of the said shaft axes, a first clutch element secured to the lower end portion of the said first shaft and having a planular lower surface extending in a plane which is normal to the shaft axis, a second clutch element comprising a plate which is carried by, and pivotally secured by its middle portion to the extremities of the arms of said member and being tiltable about an axis extending transversely through said shaft axes, a pair of friction pads each secured at a respectively different



or relatively opposite tilting end portions of the same face of said plate, and both correspondingly extending outwardly from said plate face and being presented in opposed relation to said planular lower surface of said first clutch element, a weight element joined at one end to the said yoke portions of said U-shaped member and of said U-shaped spring, said weight element having a free-end portion extending laterally of and in the general longitudinal direction of said second shaft, said pads being normally disposed in pressure-effected frictional engagement with said planular surface of said first clutch member, and said free-end portion of said weight element adapted, in response to rotational driving of said second clutch element by said first clutch element as a result of said frictional engagement of said pads with said planular surface of said first clutch element, to be variably centrifugally swung substantially radially outwardly from said shaft axes in opposition to the yieldable resilient restraint of said spring, and to thereby effect variable decreases of pressure exerted by said pads against said planular clutch surface, according to the prevailing rotative speed of said second clutch element.

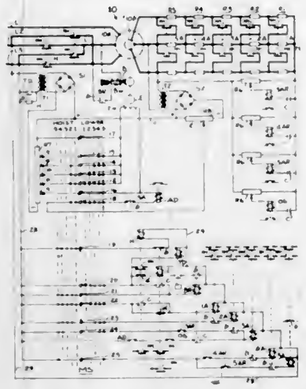
2,581,314
LUBRICATING APPARATUS
Jerome F. Walker, Victor, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 27, 1947, Serial No. 737,559
19 Claims. (Cl. 184—7)

1. In combination with a machine, a lubricating system therefor which includes a series of measuring valves each adapted to deliver lubricant in response to pressure applied to the valve, conduit means connecting said valves, a supply of lubricant under pressure, an electrically actuated control valve governing the connection of said supply with said measuring valves, electrically operated timing mechanism comprising a clock, cam means driven by the clock, switch means controlling said control valve and actuated by said cam means, a source of electrical energy, a circuit connecting the switch means and the control valve, said switch means being adapted to be actuated by said cam means for rendering the lubricating system operative at



predetermined intervals and through a predetermined cycle, a locking relay operable to energize said clock and said circuit from said energy source, means whereby the starting of said machine operates said relay, and release means operative to unlock said relay only upon completion of an operating cycle of the system.

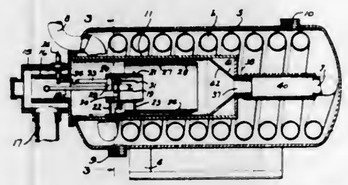
2,581,315
CONTROL SYSTEM FOR INDUCTION MOTOR AND BRAKING GENERATOR COMBINATIONS
Richard G. Widdows and Alvin C. Dyer, Shaker Heights, and Harold J. Rathbun, Cleveland, Ohio, assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 25, 1950, Serial No. 181,364
10 Claims. (Cl. 318—203)



1. A control system for the type of hoists powered by a polyphase wound rotor induction motor having an external secondary circuit and arranged to drive loads and to be driven by descending loads, selectively, and mechanically coupled to a braking generator means having flux producing winding means and operable to exert different degrees of torque depending upon the

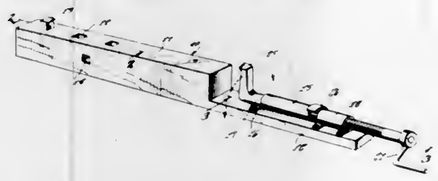
excitation of the winding means, said control system comprising the combination with reversing means operable to connect the motor to a source of power for causing the motor to hoist said loads and to drive said loads downwardly, selectively, a resistor arranged to be connected in said secondary circuit, switching means operable to adjust the effective resistance of said resistor, circuit means for supplying current to said winding means, and means for connecting the circuit means to a source of substantially constant voltage for excitation thereby, of additional means for concurrently connecting said circuit means to said secondary circuit for concurrently exciting said circuit means in accordance with an electrical condition of said secondary circuit in opposition to said excitation provided by said constant voltage.

2,581,316
HIGH RATING FIRE-TUBE BOILER AND METHOD OF BOILER OPERATION
John J. Wolfersperger, Milwaukee, Wis.
Application October 1, 1945, Serial No. 619,671
12 Claims. (Cl. 122—134)



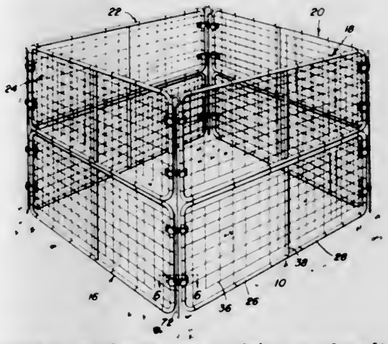
8. A method of burning fuel in a boiler having a fire tube, which method comprises compressing air to a pressure of at least one-third pound per square inch, delivering fuel to a portion of such air, igniting the fuel, mixing with said portion and the burning fuel all the air required for complete combustion of said remaining fuel, the addition of such air constituting said fuel a fully combustible mixture and the air being added during continuous initial flame acceleration and while abruptly accelerating flow prior to substantial combustion, suddenly expanding the mixture and relatively retarding its flow during substantial completion of combustion of the fuel, and thereafter relatively reaccelerating said flow in the fire tube.

2,581,317
AXIALLY AND ANGULARLY ADJUSTABLE STRAIGHT BEAM CLAMP
Martin Zabich, Verona, Pa.
Application September 2, 1950, Serial No. 182,946
1 Claim. (Cl. 144—297)



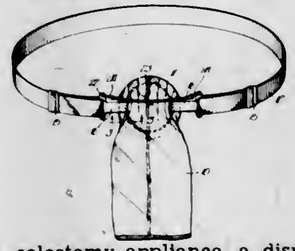
An alligator clamp comprising a supporting base having a raised portion and a lowered portion, a series of openings in the raised portion adapted to receive a jaw part, a guide sleeve secured to the lowered portion, a clamp part having a round shank axially and rotatably adjustable in the guide sleeve and having a raised jaw portion at its outwardly protruding forward end, an internally threaded sleeve secured to the lowered portion in rear of the guide sleeve, an adjusting screw adjustable in the internally threaded sleeve and a swivel connection between the inner end of the adjustable screw and the inner end of the jaw shank, whereby said raised jaw portion may be turned to engage work placed on either the sides or the top of the raised portion of the base.

2,581,318
PORTABLE ENCLOSURE
Carl T. Bartlett, Muncie, Ind.
Application October 25, 1949, Serial No. 123,445
1 Claim. (Cl. 119—20)



A portable enclosure comprising a plurality of lower panels, each panel having a top, bottom and sides, each pair of said sides having a pair of spaced hinged leaves secured thereto with bight portions forming a part of said leaves, locking hinge pins passed through matching pairs of said leaves, and said pairs each consisting of one leaf on adjacent sides of confronting panels, a plurality of upper panels, each of said upper panels having a top, sides and a bottom, the bottoms of said upper panels being disposed upon the tops of said lower panels, said upper panels and said lower panels having means separably connecting them together, said connecting means including said hinge pins, and confronting sides of said upper panels having hinge leaves through which said hinge pins pass.

2,581,319
COLOSTOMY DEVICE
Thomas R. Baxter, Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware
Application April 14, 1949, Serial No. 87,495
8 Claims. (Cl. 128—283)



1. In a colostomy appliance, a disposable receptacle of flat flexible material, a mounting ring member adapted to encircle the mouth of the receptacle with the margins of the receptacle reversely folded into encompassing relation around said ring member, a supporting body belt, and

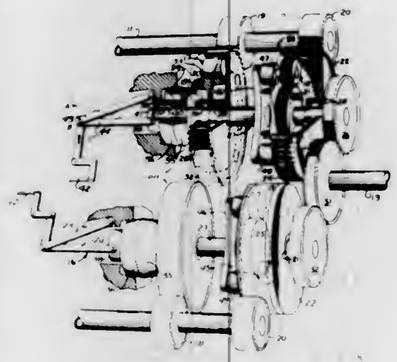
hook-shaped elements on said body belt having detachable engagement with portions of said receptacle margins on said ring member for securing said receptacle margins in connected relation with said ring member.

2,581,320

MULTIENGINE CONTRA-ROTATING PROPELLER DRIVE TRANSMISSION

Edward F. Burton, West Los Angeles, and Charles S. Glasgow, Jr., Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.

Application July 20, 1945, Serial No. 606,103
10 Claims. (Cl. 170—135.2)



6. In a multi-engine, contra-rotating propeller driven aircraft: a power transmission system operatively interposed between the engines and the propeller shafts and comprising a drive shaft extending from each engine towards said propeller shaft; driving means longitudinally spaced on each drive shaft; a gear train operatively interposed between said driving means and the propeller shafts and drivenly connected at its input end to said driving means, the gear trains being disposed between, parallel to, and noncoaxially with, said drive shafts and operatively connected only at their output ends; and clutch means disposed out of the line of power transmission in each offset gear train; whereby both propellers can be driven concurrently in opposite directions by either engine, either engine can drive either propeller, and one propeller can be driven by both engines.

2,581,321

OUTSIDE METAL BLIND AND OPERATING MEANS THEREFOR

Albert C. Fletcher, Oklahoma City, Okla., assignor to William H. Stewart, Oklahoma City, Okla.

Application March 25, 1949, Serial No. 83,426
2 Claims. (Cl. 189—62)

1. Operating means for outside metal blinds and the like wherein laterally pivoted shutter elements are mounted one above another so as to swing a horizontal open position or to a vertical closed position, a link at each end of the shutter elements connected with each of the shutter elements so that they may be swung thereby in unison between their fully opened and closed positions, a cross bar having its ends rigidly connected with the lower ends of said links, said cross bar having a longitudinal slot in its intermediate portion, and an operating member therefor including a crank lever having a pin in its upper end engaging the longitudinal slot in the cross bar, a pivotally mounted shaft con-



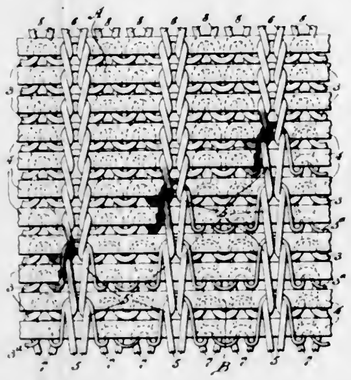
nected with the lower end of said crank lever, and an operating crank on the other end of said shaft.

2,581,322

ELASTIC FABRIC

George H. Fox, Philadelphia, Pa., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application April 7, 1949, Serial No. 85,994
9 Claims. (Cl. 66—190)



1. In an elastic fabric comprising courses of substantially inelastic yarn knitted in ribbed formation with elastic strands inlaid and bound in the fabric in successive courses thereof, said fabric having an area in which portions of the knitting yarn in selected courses are reduced in size from that of the yarn in said courses outside of said area.

2,581,323

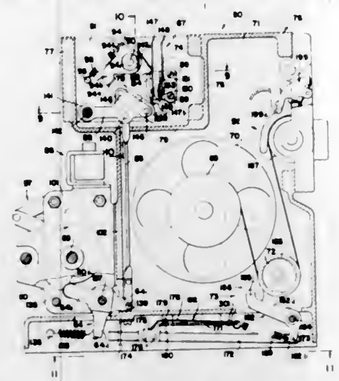
STAMP VENDING MACHINE

Christian M. Gottschau, Rochester, N. Y., assignor to Commercial Controls Corporation, a corporation of Delaware

Application December 15, 1945, Serial No. 635,342
14 Claims. (Cl. 194—7)

13. In coin controlled vending mechanism, in combination, a coin switch, clutch means, means for driving said clutch means, a coin track, said coin switch including two electrical contact members forming a part of an electrical circuit to and controlling the operation of said clutch means, said coin switch intercepting coins passing down said coin track, means for releasing coins from said coin switch, switch means in said

circuit for shunting the electrical contact established by a coin positioned between said contact members, arm means operatively connected to the driven side of said clutch, means operatively connecting said arm means to said coin releasing means and said last-mentioned switch means, said arm being operated by said clutch to release coins from said contact members and to close said last-mentioned switch means prior to the release of a coin from said last-mentioned



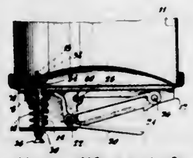
switch, stamp strip feeding mechanism for feeding a strip of stamps, means operatively connecting said clutch means and said stamp strip feeding mechanism, feeler means for determining when the end of said stamp strip is reached, means actuated by said feeler means to prevent feeding of stamps when the end of said strip is reached, and means operated by said clutch for moving said feeler means out of contact with said stamp strip during each operating cycle.

2,581,324

AUTOMATIC FIRE EXTINGUISHER

Donald W. Hartzell, New York, N. Y., assignor to Hartzell Products, Inc., New York, N. Y., a corporation of New York

Application September 20, 1950, Serial No. 185,720
3 Claims. (Cl. 169—26)



1. In combination with an infrangible pressure can having a dished concave bottom for holding fire extinguisher fluid under pressure, a framework rigidly attached to the bottom of the can, a puncturing nozzle mounted in said framework with one end adjacent the bottom of the can and held against any substantial movement relative to the can except endwise movement, spring means adapted to drive said nozzle endwise into the can and heat-sensitive means for controlling the action of such spring, said puncturing nozzle comprising a hollow tube open at the end toward the can adapted to have such end driven into the can and having a substantially straight line passage through such tube adapted to permit the release of fire extinguisher fluid from within the can, and a baffle member connected with the other end of said tube so that liquid forced out of the can will flow through said tube with sufficient velocity to be dispersed by the baffle member into a fine spray.

2,581,325

COMBINATION SLIP AND BRASSIÈRE

Amanda Ysidra Heinkel, Hollywood, Calif.

Application July 26, 1948, Serial No. 40,655
1 Claim. (Cl. 2—73)



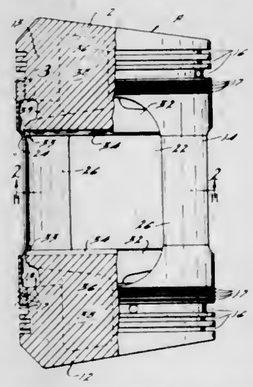
A combination slip and brassière comprising a brassière section and slip section, said brassière section having a pair of side edges, said slip section having a front panel and a back panel, said brassière section and said slip section being stitched together with the front panel of the slip section secured at its top edge to the lowermost edge of said brassière section, and with the back panel of the slip section secured to the side edges of the brassière section to form a back portion for the brassière section, a pair of flap member each having one of its ends attached to said brassière section at a corresponding one of said side edges and extending within and lying adjacent the inner surface of said back portion, the other ends of said flap member carrying resiliently supported cooperating fastening means, a pair of shoulder straps, said shoulder straps each having their forwardly disposed ends stitched to said brassière section and having their rearwardly disposed ends stitched to both said back portion and also to said pair of flap members.

2,581,326

PISTON

Alexander G. Herreshoff, Grosse Pointe, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application March 29, 1949, Serial No. 84,081
11 Claims. (Cl. 309—15)



1. A composite double-ended piston comprising axially spaced, opposed, substantially cylindrically shaped heads of aluminum or the like and a hollow substantially cylindrical skirt of

steel or the like connecting said heads, the means connecting said skirt and said heads including end portions on said skirt arranged to extend concentrically about said heads in contiguous relationship thereto and radially projecting serrations along the skirt end inner surfaces contacting said heads and thermally shrunk into engagement with the adjacent exterior surfaces of said heads so as to embed the skirt serrations in said heads, said heads each including an axially projecting bearing block slideway supported from the interiorly arranged end of the head and positioned to extend transversely of the skirt between opposite sides thereof but to be disconnected therefrom, said slideways being axially spaced apart and adapted to reciprocably receive a bearing block mounted therebetween.

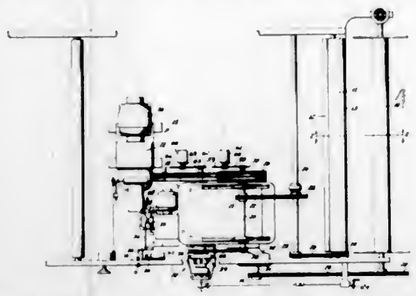
2,581,327
RODENT TRAP
Philander C. Knox, III, De Land, Fla.
Application June 28, 1950, Serial No. 170,769
12 Claims. (Cl. 43—82)



1. A rodent trap comprising an elongated casing having an open entrance end and including a bottom wall, a top wall and side walls, a trap jaw swingably disposed in said casing and journaled in said side walls including an impaling bar spaced from the journal of the jaw and disposed substantially parallel thereto, the bottom wall of said casing including an integral hinged tongue having a hinged end disposed remote to the entrance end of the casing, said tongue having an opening therein, said trap jaw having a detent projecting at an angle from the impaling bar, and resilient means anchored to a portion of the casing and connected to the jaw and urging the jaw to swing in a direction for displacing the impaling bar toward the top wall of the casing, said tongue forming a treadle and being displaceable upwardly for engaging said detent in the opening thereof for latching the jaw in a retracted set position with said resilient means under tension and the impaling bar adjacent the bottom of the casing.

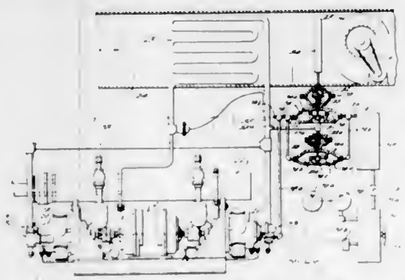
2,581,328
CONSTANT TENSION CONTROL
Glen Malcom, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application July 7, 1950, Serial No. 172,504
8 Claims. (Cl. 28—36)

1. In a device of the class described, a delivery roll and a storage roll, said delivery roll being driven at a velocity constantly proportional to the lineal velocity of a strand running between said rolls, and means for controlling tension in that reach of such strand extending between said rolls, comprising speed-varying means for driving said storage roll including an element shiftable oppositely to vary oppositely the speed at which said storage roll is driven, and including a slipping drive connection having a substantially fixed slip ratio under predetermined load conditions, such ratio being oppositely variable in response to opposite load variations, a transmitter unit of a self-synchronous system having an armature operatively connected to rotate at a velocity constantly proportional to the velocity of said delivery roll, a second transmitter unit having an armature driven through said slipping drive connection, the effective voltage deliveries of said transmitter units being equal during continuance of such fixed slip



ratio, a receiver unit having an armature, electric connections between said transmitter units and said receiver unit impressing the outputs of said respective transmitter units oppositely on said receiver unit armature, and means operatively connecting said receiver unit armature to shift said element.

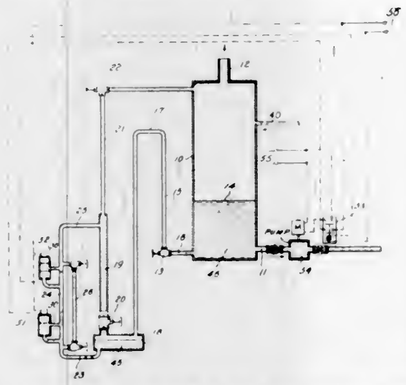
2,581,329
COMPRESSOR CONTROL
Alwin B. Newton, Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 17, 1947, Serial No. 792,277
10 Claims. (Cl. 62—3)



1. Unloading mechanism for a variable capacity compressor adapted to be connected to a cooling system and having a plurality of compressing cylinders, each of a number of which may be selectively rendered inoperative in order to vary the capacity of the compressor, comprising a plurality of individual cylinder unloading means each operatively associated with a single cylinder, fluid pressure creating means for operating said individual cylinder unloading means, means for selectively connecting said fluid pressure creating means to said individual cylinder unloading means comprising a master valve including a valve rod adapted to be selectively positioned at a plurality of positions, and means for selecting the position of said valve rod comprising a spring biased to move said valve rod in a first direction, a bellows subjected on one side to the suction pressure of said compressor and operating against said spring for returning said valve rod in the opposite direction to a plurality of successive positions when the suction pressure rises successively above a number of predetermined pressures, means for supplying pressure fluid against the other side of the collapsible bellows as to tend

to expand the same for moving said valve rod in said first direction against the force exerted on the bellows by the aforesaid suction pressure, and means for controlling the extent of movement of said valve rod caused by the action of pressure fluid against the said other side of the bellows, said controlling means comprising a device for regulating the pressure exerted by the pressure fluid and means responsive to the temperature of the medium subjected to the action of the cooling system and responsive to the suction pressure of the compressor for variably controlling the setting of the device.

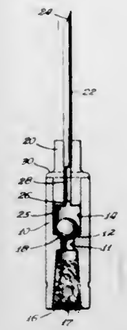
2,581,330
REFRIGERATION CONTROL APPARATUS
Velt Cowan Patterson, York, Pa., assignor to V. C. Patterson & Associates, Inc., York, Pa., a corporation of Pennsylvania
Application December 27, 1947, Serial No. 794,179
1 Claim. (Cl. 62—8)



In refrigeration apparatus, automatic means for controlling the liquid level of a vaporizable low-temperature-liquid refrigerant in a tank, said means comprising in combination: a conduit extending outward from the lower portion of said tank and exposed to ambient temperatures; a closed chamber spaced from said tank and containing a liquid immiscible with said refrigerant; a second conduit connecting said first conduit with the upper portion of said closed chamber; a vertically-extending conduit having its lower end in communication with the lower portion of said chamber and having its upper portion in communication with the upper portion of said tank, a pair of spaced float chambers in communication with said vertically-extending conduit; a float in each of said float chambers, an electrical switch for and operable by each of said floats; a pump for removing liquid refrigerant from said tank; and a relay switch for controlling the power supplied to drive said pump, said relay switch being connected to said float-operated switches whereby the closure of both of said float switches starts said pump and the opening of the lower of said float switches stops said pump.

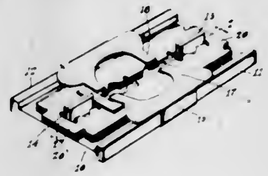
2,581,331
VENOCLYSIS EQUIPMENT
George R. Ryan and Robert F. McGrew, Waukegan, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application June 1, 1950, Serial No. 165,556
3 Claims. (Cl. 128—214)

1. A device of the character described comprising, in combination, a main tube having a constriction intermediate the ends thereof, a ball valve seat on one side of said constriction, a plug closing the end of said tube adjacent said seat, said plug having a bore therethrough, said plug having a transverse notch communicating with the internal end of said bore, shoulder portions



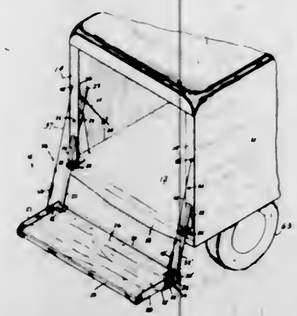
on said plug limiting inward movement thereof, a hypodermic cannula secured in the outer end of said plug, a ball disposed between said seat and said plug and adapted to close the bore of said tube when said ball is against said seat, and a tapered bore section in said tube on the opposite side of said constriction.

2,581,332
BLADE CONTAINING AND DISPENSING DEVICE
Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application January 27, 1947, Serial No. 724,680
7 Claims. (Cl. 206—16)



7. A blade dispenser for bare double-edged centrally-slotted blades comprising a housing adapted to contain a stack of longitudinally staggered blades and having opposed end exit openings, a pair of longitudinally aligned spaced blade-locating studs located inwardly of said exit openings and extending upwardly in said housing in the median plane thereof and adapted to project through the slots of alternate blades, and a top portion overlying at least a portion of the region to be occupied by the blades and having a thumb opening longitudinally midway between said studs of sufficient size to admit the user's thumb so that the fleshy part of the thumb can come into direct contact with the upper face of the topmost blade of the stack for relatively secure sliding ejection of the blade through direct thumb-to-blade driving contact, and further having downwardly-extending blade-restraining means located between said studs and including blade contact portions of relatively limited area located inwardly of and below the tops of said spaced studs.

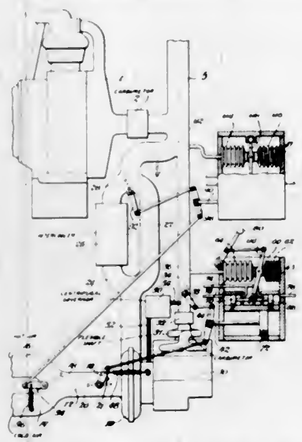
2,581,333
TAIL GATE LIFT FOR TRUCKS AND THE LIKE
Wilber W. Vawter, Indianapolis, Ind., assignor, by mesne assignments, to U. S. Machine Corporation, Lebanon, Ind., a corporation of Indiana
Application January 19, 1948, Serial No. 2,992
9 Claims. (Cl. 214—75)



1. A tail-gate-lift for vehicles comprising bracket means including elements adapted to be positioned at laterally opposite sides of a vehicle near the rear end thereof, a tail-gate spanning said elements, means providing a pivotal connection between said tail gate and said elements, slide means associated with each of said elements, guide means for each of said slide means, said guide means guiding said slide means for movement on substantially vertical parallel lines, cable means connected directly to said gate and having only an indirect connection with said slide means through said gate and said pivotal connection, and means for applying tensile force to said cable means.

2,581,334
ENGINE AIR INDUCTION CONTROL SYSTEM
Ferdinando Carlo Reggio, Norwalk, Conn.
Application September 8, 1947, Serial No. 772,806
53 Claims. (Cl. 123—103)

1. In combination with an internal combustion engine, a supercharger to supply a compressible medium thereto, a motor to drive said supercharger at variable speed, means for adjusting the speed of said supercharger, control means, means responsive to the pressure of said medium and to the surrounding atmospheric pressure, said first, second and third mentioned means being operatively interconnected to maintain for each adjustment of said control means and a given value of the surrounding atmospheric pressure a corresponding value of the pressure of said medium, the latter pressure decreasing in a predetermined way with a decrease of the surrounding atmospheric pressure whereby the power output of said engine, at a given speed thereof, depends on the

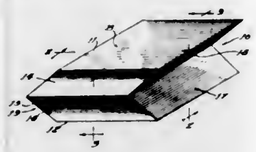


adjustment of said control means and is substantially independent of changes of the surrounding atmospheric pressure owing to the simultaneous compensating variations of the pressure of said medium supplied to said engine and of the exhaust counter-pressure; a governor, means for driving the governor at speed equal or proportional to that of the supercharger, and a connection between the governor and the supercharger speed adjusting means, which connection becomes effective at preselected supercharger speed to provide speed regulation of the supercharger by the governor independently of the pressure responsive means.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

593,511. **INTERLOCKING LEAD CONSTRUCTION BLOCK.** Thomas J. O'Donnell, Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Filed May 12, 1945. Published Jan. 1, 1952. Class 72—0.5. 1 sheet of drawings. 9 pages of specification.



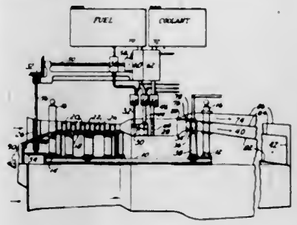
A construction block having the configuration shown in Figure 1 is adapted to prevent the passage of radioactive emanations. For this purpose the block is made of a high density material such as lead, and is provided with two parallel surfaces **11** and **12**. Two contiguous edges **14** are inclined from the surfaces **11** and **12**, preferably at an angle of 30°, to provide adjacent tongued edges **13** meeting at an apex line **15**. There are two similar tongued edges disposed at right angles to each other. At opposite sides a grooved edge **16** is formed by inwardly converging side walls **17** meeting at a line **18**. When similar blocks are fitted together, the adjacent tongued and grooved edges provide a shield wall having no stragiht passage through which radioactive waves may pass.

603,221. **ATTENUATOR.** Sloan D. Robertson, Red Bank, N. J., assignor to Bell Telephone Laboratories, Inc., New York, N. Y., a corporation of New York. Filed July 4, 1945. Published Jan. 1, 1952. Class 178—44. 1 sheet of drawings. 6 pages of specification.



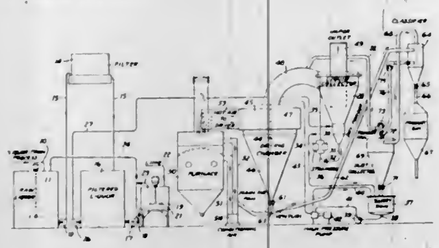
This application discloses a variable attenuator for electromagnetic waves comprising a section of hollow wave guide **12** of rectangular cross section and a resistive vane **11** which enters the guide **12** through a longitudinal slot **13** centrally located in one of the wider sides **14** thereof. The vane **11** is pivoted at the point **34** so that it can be rotated in either direction, by means of a screw **23** and two wire springs **24** and **25**, to change its penetration into the guide **12** and thus adjust the attenuation, which may be read on the graduated dial **32** secured to the screw **23**. The vane **11** is parallel to the transverse electric field in the guide **12** and its entering edge has a double taper in the longitudinal direction for impedance matching.

734,105. **GAS TURBINE.** George H. Garraway, Verona, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware. Filed Mar. 12, 1947. Published Jan. 1, 1952. Class 60—39.55. 1 sheet of drawings. 19 pages of specification.



This discloses apparatus and a technique for greatly augmenting the power and thrust obtainable from an internal combustion turbine power plant comprising a compressor, combustion chambers, a turbine for driving the compressor and a jet tail pipe. The usual turbine power plant is operated at a fuel feed rate of about 1% of weight of the amount of air delivered by the compressor, to hold the temperature of the combustion products to a sufficiently low level to be tolerated by the materials constituting the turbine and associated parts. In the present proposal, augmented power and thrust is provided by feeding a stoichiometric mixture to the combustion zone whereby all of the air is combusted, producing temperatures far in excess of those tolerable to the turbine. In addition, vast quantities of coolant, such as water, are fed to the combusted products upstream of the turbine to cool the combustion gas and to increase the mass of the working fluid. The latent heat of vaporization of the coolant effectively cools the combustion gas to a turbine-tolerable level and enables an increase in jet engine power of 500 to 600 percent on account of the greater amount of fuel fed to the engine. In the drawings, the compressor **20** delivers compressed air to the combustion chamber **28**. To this, fuel is fed from valve **64** for normal operation. For augmented power operation, additional fuel and coolant are respectively fed to the combustion chamber through the valves **66** and **68**. During normal operation all of the combustion products flow through the turbine **36** for driving the compressor. During augmented power operation, valve **78** is opened to by-pass a substantial portion of the combustion products around the turbine as these are unnecessary for driving the turbine and compressor. All of the combustion products are ejected rearwardly, for jet engine thrust, through the tail pipes **40** and **74**. With augmented fuel and coolant feed, the turbine power plant becomes in effect an internal combustion steam generator. The coolant is fed, as noted, to the combustion space down-stream of the zone whereat air and fuel are combusted, to secure maximum cooling effect and augmented thrust production.

780,422. **POROUS PELLETS CONTAINING MANGANESE SULFATE AND METHOD FOR THEIR MANUFACTURE.** Harold Von Bramer and Robert M. Switzer, Kingsport, Tenn. Filed Oct. 17, 1947. Published Jan. 1, 1952. Class 23—117. 1 sheet of drawings. 13 pages of specification.



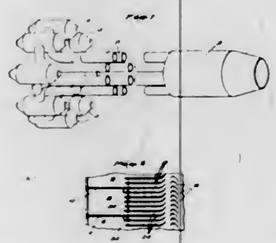
A process for forming manganese sulfate in the form of porous, spherical particles of uniform size, which are characterized by having a free flow, being completely non-dusting, and without a tendency to cake while under pressure. The process consists in spraying a slurry of manganese sulfate having a temperature 100–120° F. under a pressure of 1200–3000 pounds per square inch into a drying chamber maintained at a temperature of approximately 500° F. and at approximately atmospheric pressure.

The majority of the sprayed slurry is formed into porous dry pellets; the minority of the sprayed slurry is formed into fine, dustlike particles which are separated and returned to the slurry for further processing.

Manganese sulfate pellets are particularly useful as fertilizer components in mixed fertilizers or for direct application as a top dresser, or can be used in nutritional sprays. They may also be advantageously employed in animal feeds to replace manganese deficiencies in animal foodstuffs in areas where such exist.

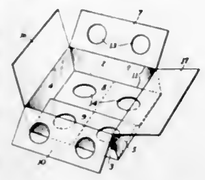
Because the manganese sulfate pellets are non-dusting, they cause substantially no irritation during handling or to the animals to which they are fed.

11,395. **FREE PISTON GAS TURBINE POWER PLANT.** Ralph J. Hooker, Hamilton, Ohio, assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware. Filed Feb. 27, 1948. Published Jan. 1, 1952. Class 60—13. 1 sheet of drawings. 6 pages of specification.



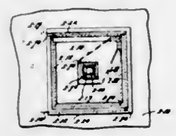
The disclosure relates to a power plant including a number of gas generators in the form of free piston units, in which plant each generator is separately connected to a segment of the turbine nozzle ring and each segment is provided with a number of valves by which to reduce progressively the flow area in each segment in the event that one of the gas generators is operating at less than full power.

18,737. **CONTAINER FOR AND METHOD OF PACKAGING YARN.** Robert T. Crawford, Kingsport, Tenn. Filed Apr. 3, 1948. Published Jan. 1, 1952. Class 229—28. 1 sheet of drawings. 9 pages of specification.



This application relates to a substantially square container adapted for the packaging of a plurality of large, heavy yarn packages in the form of cones, cheeses, or the like, which are supported on tubes. The ends of the tubes protrude beyond the yarn which is wound thereon. The container package comprises a body member having side walls and end walls. Flap members **7**, **10** comprising extensions of the side walls are bendably attached thereto. The flap members are provided with spaced openings **13** substantially larger than the protruding tube ends adapted, when bent over the yarn cones in the container, to receive the protruding tube ends. Other non-perforating flap members **16**, **17** are bendably attached to the end walls and constitute extensions thereof, and are adapted to be folded over the first-mentioned flap members completely to cover the openings therein and form an enclosed container.

52,568. **INDUCTANCE SYSTEMS.** Chester M. Sinnett, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed Oct. 2, 1948. Published Jan. 1, 1952. Class 175—359. 2 sheets of drawings. 18 pages of specification.



This disclosure relates to electric inductance systems, and more particularly to inductance systems formed of conductive strata.

A support **2—10** having a non-conductive surface carries a conductive stratum **2—12** over which is coated a non-conductive layer **2—20** and a second conductive stratum **2—22**. The strata **2—12**, **2—22** are each in the form of spiral turns which may be composed of a succession of straight lines angularly disposed to each other and extending from a common inner end **2—13** to the outer ends **2—14**, **2—15** respectively.

To provide for a minimum capacitance in the inductance system, the conductive turns are spaced from each other by a distance greater than the width of the individual turns, and the different strata have their turns offset so that each set of turns is in the spaces between the other set of turns. Increasing the thickness of the non-conductive layer **2—20** also decreases the capacitance. The use of relatively thin conductive strata causes the turns of the different spirals to present essentially thin edges to each other so that the capacitance is relatively small even with comparatively thin non-conducting layers. The non-conductive strata **2—10**, **2—20** may have a central perforation **2—70** to receive a high permeability core if desired.

86,407. **PREPARATION OF 2,3-DICHLOROBUTADIENE-1,3 FROM 1,2,3-TRICHLOROBUTENE-2.** Robert M. Thomas, St. Louis, Mich., assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a corporation of Ohio. Filed Apr. 8, 1949. Published Jan. 1, 1952. Class 260—654. No drawing. 6 pages of specification.

The application relates to a series of reactions leading to the synthesis of 2,3-dichloro-1,3-butadiene, and to certain specifically novel compounds involved in the synthesis. The reactions are as follows:

(1)

$$CH_2Cl\text{-}CHCl\text{-}CCl_2\text{-}CH_3 \xrightarrow[\text{Alkali or alkaline earth metal oxide or hydroxide}]{} CH_2=CCl\text{-}CCl_2\text{-}CH_3 \text{ or } CH_2Cl\text{-}CCl=CCl\text{-}CH_3 \text{ (Cis or trans)}$$

(2)

$$CH_2Cl\text{-}CCl=CCl\text{-}CH_3 \xrightarrow[\text{Alkali or alkaline earth metal oxide or hydroxide}]{} CH_2=CCl\text{-}CCl=CH_2$$

(Cis or trans)

Properties of the novel compounds are as follows:

Compound	Boiling Point (760 mm.)	d_4^{25}	n_D^{25}
2,3,3-trichlorobutene-1	137° C.	1.306	1.4784
cis-1,2,3-trichlorobutene-2	159° C.	1.328	1.493
trans-1,2,3-trichlorobutene-2	176° C.	1.329	1.5018

Reaction (1) is illustrated in the examples by the dehydrochlorination of 1,2,3,3-tetrachlorobutane by potassium hydroxide in aqueous methanol solution at 10–15° C. Yields were: 2,3,3-trichlorobutene-1, 55.4%; cis - 1,2,3 - trichlorobutene-2, 25.2%; and trans-1,2,3-trichlorobutene-2, 11.2%.

Reaction (2) is illustrated by the dehydrochlorination of cis-1,2,3-trichlorobutene-2 by means of aqueous potassium hydroxide under reflux for one hour. Conversion was 7%, yield of 2,3-dichloro-1,3-butadiene was 28% based on the starting material converted.

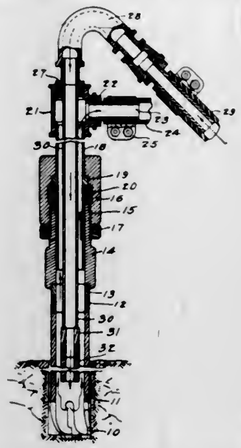
110,116. **NONDESTRUCTIVE INSULATION TESTING.** Howard E. Van Valkenburg, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York. Filed Aug. 13, 1949. Published Jan. 1, 1952. Class 175—183. 1 sheet of drawings. 8 pages of specification.



A method and apparatus for the non-destructive testing of insulation, which comprises placing the insulation **4** between an electrode **5** and a grounded electrode **6**, impressing a voltage from a source **1** on the electrodes through a resistor **2** and gradually increasing the voltage until a state of incipient breakdown is reached. At this point very short feeble pulses of current occur through the insulation **4** and, through capacitor **7**, these pulses are magnified by amplifier **8**, which operates a trigger circuit **9**, and alternations of the trigger circuit are recorded by a counter **10**. The rate of occurrence of the pulses provides information on the breakdown voltage of the insulation before such voltage is reached and before the insulation is destroyed.

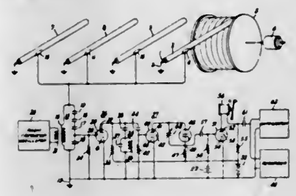
126,662. **METHOD OF COLLECTING SAMPLES OF STRATA.** Clarence A. Orr and John R. Thoenen, University, Ala. Filed Nov. 10, 1949. Published Jan. 1, 1952. Class 255—1.8. 1 sheet of drawings. 3 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



This disclosure relates to an apparatus and a method for using such apparatus to recover samples, free from mixtures with particles of other strata, which includes forcing a stream of flushing liquid through an internal concentric jet pipe which terminated above the cutting bit of the drill to compel the flushing stream to reverse its direction at the discharge end of the jet pipe and return to the surface through the annular space between the two pipes, stopping the boring whenever a strata is reached which is to be sampled, flushing out all previously disturbed earth and borings, then renewing the boring and flushing with a simultaneous collection of a sample of the strata.

127,549. **APPARATUS AND METHOD FOR TESTING WIRE INSULATION.** Paul C. Gardiner, Scotia, N. Y., assignor to General Electric Company, a corporation of New York. Filed Nov. 16, 1949. Published Jan. 1, 1952. Class 175—183. 1 sheet of drawings. 13 pages of specification.

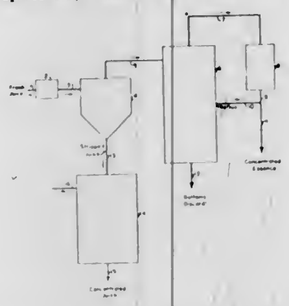


An apparatus and method for testing the insulation **2** on an insulated wire **1** grounded at **3** and being wound on reel **5** driven by motor **6**, uses a small electrode **4** positioned near enough to the outside of the insulation so that when radio frequency resonant circuit **13** is connected between the electrode and ground **19** and a radio-frequency oscillator **20** provides voltage across the resonant circuit at the resonant frequency a corona is produced between the electrode and the wire, and the voltage across the resonant circuit will have low-frequency modulation components which vary with changes in insulation qualities of the insulation **2** as it passes the electrode. To

detect and record weak spots in the insulation a pair of demodulators **26** and **27** are connected in cascade across the resonant circuit, and variations in amplitude of the low-frequency components are indicated by discharge lamp **46** or used to actuate a relay **56**. Weak spots in the insulation will actuate recorder **60** and a count is kept by integrator **62**.

158,051. **PRODUCTION OF FULL-FLAVORED FRUIT JUICE CONCENTRATES.** Leander H. Walker and William F. Talburt, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Filed Apr. 25, 1950. Published Jan. 1, 1952. Class 99—205. 1 sheet of drawings. 14 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



This disclosure relates to the preparation of full-flavored fruit juice concentrates, that is, concentrates which upon addition of water form reconstituted juice of a flavor which closely approximates that of the natural juice.

In essence, our procedure involves subjecting a fruit juice to evaporative conditions to produce a concentrated juice. The volatile flavoring essences which are vaporized during the evaporation process are recovered and concentrated by distillation. The concentrated juice is then admixed with (*a*) the concentrated essence and with (*b*) fresh fruit juice. By adding both components *a* and *b*, essentially all the natural flavoring constituents are restored to the product.

In applying our technique, the following steps are employed:

(A) The juice is concentrated in an evaporation apparatus either under atmospheric pressure or under reduced pressure. The evaporation is carried to such an extent as to produce a concentrate of about 5 to 8 fold. At the same time provision is made to collect the overhead vapors. Preferably the evaporation is carried out in two distinct stages. In the first (stripping) stage, generally carried out at atmospheric pressure, the juice is boiled until about 10 to about 25% of the juice is volatilized—this vapor, which contains the greatest part of the essences, being collected. The stripped juice is then subjected to further evaporation under a vacuum, using, for example a pressure of 100 mm. Hg or less. This evaporation is continued until a concentrate of about 5 to 8 fold is produced. During this evaporation the overhead is not collected. However, it is to be noted that a substantial part of the less volatile essences lost during this vacuum evaporation is subsequently returned to the product by addition of fresh juice as pointed out hereinafter in part C.

(B) The essence obtained in the atmospheric pressure stripping of the juice (part A) is subjected to a distillation to concentrate it—the overhead being retained—the water and other high boiling components being discarded. Generally this distillation is carried out to the extent that the concentrated essence represents about a 50 to 200-fold concentrate based on the original juice. The distillation is carried out most readily by vaporizing the entire mass of essence and passing the vapors into a fractionating column. The ratio of reflux is then adjusted so that the amount of liquid withdrawn represents a material concentrated to the proper extent. Thus control of the distillation is not measured by temperature of boiling point but simply by continuously introducing the essence vapors at a measured rate and withdrawing concentrated essence at the rate which is indicative of a 50–200 fold concentrate. Thus for example, if 2000 gallons of juice are stripped to obtain 400 gallons of essence then the reflux ratio is so adjusted that after all of the essence is introduced into the still, 20 gallons of concentrated essence (100-fold) are obtained.

(C) The juice concentrate from part A is then admixed with sufficient fresh juice to produce a concentrate of about 3 to 4 fold and further to this mixture is added the concentrated essence as prepared in part B. The resulting concentrate is then ready for sale or for use. The concentrate can be preserved in several ways—for example by pasteurizing and placing in sealed bottles or cans or by simply keeping in suitable containers under frozen storage. If desired, the concentrate may be packed under nitrogen or other inert gases or under vacuum to minimize oxidative degradation.

The concentrate produced in accordance with this disclosure possesses essentially all the natural bouquet of the fresh fruit. This is so because the volatile essence is returned to the concentrated juice, thus the "high-notes" of flavor (the highly-volatile flavoring components) which are lost in ordinary evaporation techniques are restored. Further, by adding fresh juice, a substantial part of the "low-notes" of flavor (the less volatile flavoring components) which are lost during vacuum evaporation are restored to the product.

Example

(A) 44.6 gallons of fresh de-pectinized apple juice (13.3° Brix) was subjected to evaporation at atmospheric pressure to strip off about 25% of the juice. During this evaporation about 15 gallons of water was added to the juice by reason of the steam used to heat the juice by direct contact. The stripped juice (40 gallons, 15° Brix) was then subjected to evaporation under a pressure of about 1 in. Hg to yield 7.475 gallons of juice concentrate (67.7° Brix).

(B) The volatile matter obtained in the stripping operation was distilled to obtain 0.495 gallon of concentrated essence (90-fold concentrate).

(C) The juice concentrate, concentrated essence, and 5.1 gallons of fresh juice were mixed together to produce 13 gallons of an approximately 4-fold concentrate (45.7° Brix).

DESIGNS

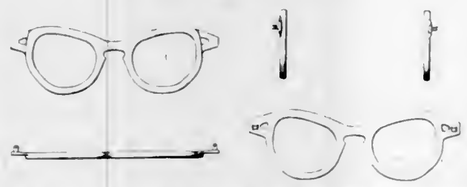
JANUARY 1, 1952

165,568
LIQUID DISPENSER
Frank Bartolucci, Jr., New York, N. Y.
Application January 14, 1950, Serial No. 7,262
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a liquid dispenser, as shown and described.

165,569
SPECTACLE FRONT
Austin B. Belgard, Evanston, Ill.
Application September 15, 1951, Serial No. 16,665
Term of patent 7 years
(Cl. D57—1)



The ornamental design for a spectacle front, as shown.

165,570
DINNER PLATE OR SIMILAR ARTICLE
Douglas Bourne, Dubois, Pa., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application October 26, 1951, Serial No. 17,123
Term of patent 14 years
(Cl. D44—15)



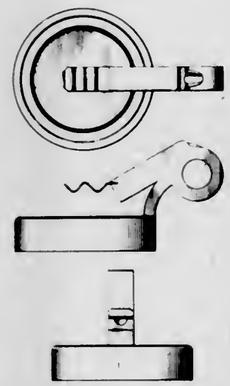
The ornamental design for a dinner plate or similar article, as shown and described.

165,571
COMBINED CABINET AND COUCH
Russell E. Brandenburger, Sr., Shelbyville, Ind.
Application August 17, 1951, Serial No. 16,325
Term of patent 14 years
(Cl. D33—19)



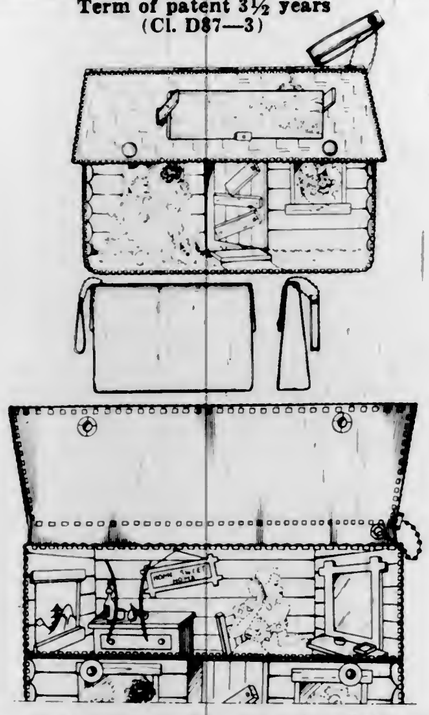
The ornamental design for a combined cabinet and couch, as shown and described.

165,572
ASH TRAY
Donald V. Burgess, Cut Bank, Mont.
Application May 23, 1950, Serial No. 10,104
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray, substantially as shown and described.

165,573
HANDBAG
Herbert S. Chase, New York, N. Y.
Application February 7, 1951, Serial No. 14,133
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown and described.

165,574
BUTTER DISH
Howard L. Forman, Belle Harbor, N. Y.
Application February 17, 1951, Serial No. 14,258
Term of patent 14 years
(Cl. D44—5)



The ornamental design for a butter dish, as shown and described.

165,575
BUTTER DISH COVER OR SIMILAR ARTICLE
Sol Forman and Leonard Ramer, New York, N. Y., assignors to Forman Family, Inc., Brooklyn, N. Y., a corporation of New York
Application May 26, 1950, Serial No. 10,212
Term of patent 3½ years
(Cl. D44—15)



The ornamental design for a butter dish cover or similar article, as shown and described.

165,576
WHEELED BALANCING TOY
Joseph Fryer, Vancouver, British Columbia, and Colin Fitzgerald, West Vancouver, British Columbia, Canada
Application December 8, 1950, Serial No. 13,338
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a wheeled balancing toy, as shown and described.

165,577
POURING ATTACHMENT FOR CONTAINERS
Walter S. Fuld, New York, N. Y., assignor to Marks F. Paskes, New York, N. Y.
Application May 17, 1950, Serial No. 10,006
Term of patent 14 years
(Cl. D58—26)



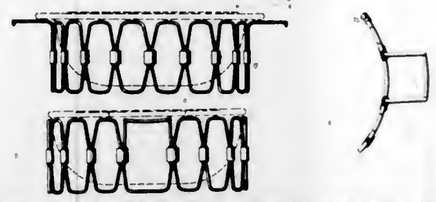
The ornamental design for a pouring attachment for containers, as shown.

165,578
BELT
Arnold Garay, New York, N. Y.
Application June 28, 1951, Serial No. 15,699
Term of patent 14 years
(Cl. D3—10)



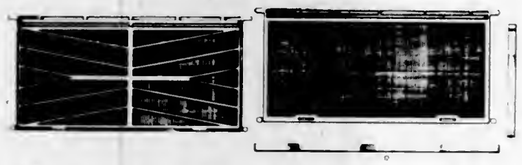
The ornamental design for a belt, as shown.

165,579
DISH STAND OR SIMILAR ARTICLE
Lee Goldman, New York, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application May 10, 1951, Serial No. 15,128
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a dish stand or similar article, substantially as shown and described.

165,580
FOUNDATION VENTILATOR GRILLE
Lewis W. Hamlin, Little Rock, Ark.
Continuation of abandoned design application Serial No. 15,744, July 2, 1951. This application November 2, 1951, Serial No. 17,247
Term of patent 14 years
(Cl. D62—4)



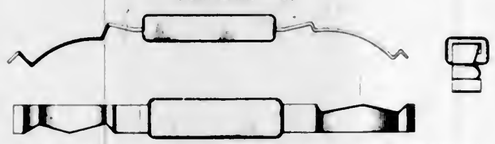
The ornamental design for a foundation ventilator grille, as shown.

165,581
TROLLING DEVICE
Olga D. Harris, New Orleans, La., assignor of one-half to Michael W. Banowetz, New Orleans, La.
Application July 16, 1951, Serial No. 15,894
Term of patent 14 years
(Cl. D31—4)



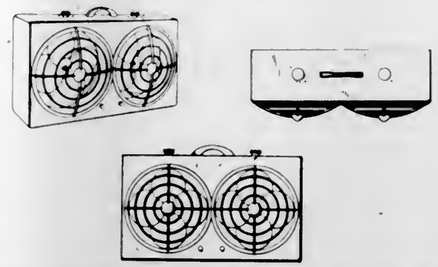
The ornamental design for a trolling device, as shown.

165,582
CITRUS PEELER OR SIMILAR ARTICLE
Wesley L. Horning, Fort Collins, Colo.
Application May 15, 1950, Serial No. 9,955
Term of patent 7 years
(Cl. D22—3)



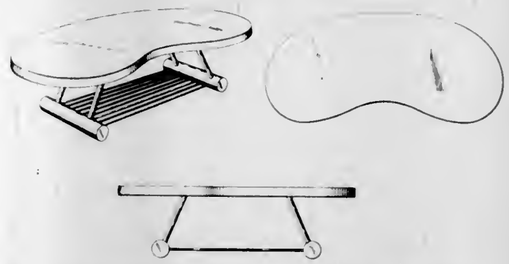
The ornamental design for a citrus peeler or similar article, substantially as shown.

165,583
TWIN WINDOW FAN
Benjamin H. Johnson, Mason, and William W. Welch, Jr., Cincinnati, Ohio, assignors to William W. Welch, Cincinnati, Ohio
Application April 7, 1950, Serial No. 9,041
Term of patent 14 years
(Cl. D62—4)



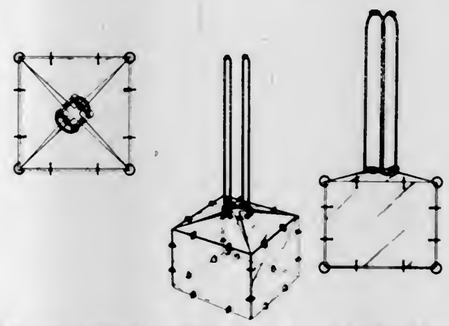
The ornamental design for a twin window fan, as shown and described.

165,584
TABLE OR SIMILAR ARTICLE
Elster H. Johnson, San Francisco, Calif.
Application January 23, 1951, Serial No. 13,918
Term of patent 3½ years
(Cl. D33—14)



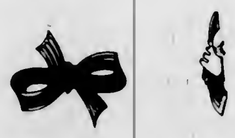
The ornamental design for a table or similar article, substantially as shown.

165,585
HANDBAG
David E. Kadison, New York, N. Y.
Application September 5, 1951, Serial No. 16,519
Term of patent 3½ years
(Cl. D87—3)



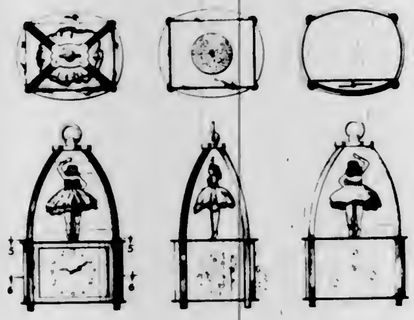
The ornamental design for a handbag, substantially as shown.

165,586
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I.
Application August 2, 1951, Serial No. 16,120
Term of patent 3½ years
(Cl. D45—19)



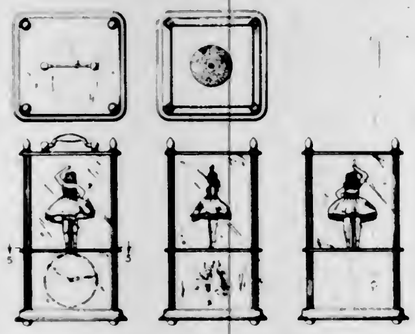
The ornamental design for a brooch or the like, substantially as shown.

165,587
CLOCKCASE
Samuel J. Kaufman, New York, N. Y.
Application September 10, 1951, Serial No. 16,595
Term of patent 7 years
(Cl. D42—7)



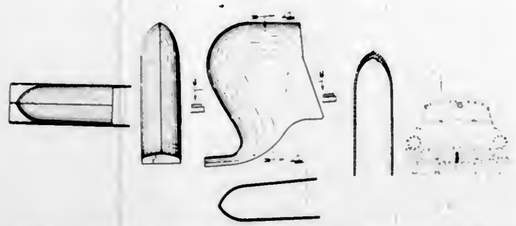
The ornamental design for a clockcase, substantially as shown and described.

165,588
CLOCKCASE
Samuel J. Kaufman, New York, N. Y.
Application September 10, 1951, Serial No. 16,596
Term of patent 7 years
(Cl. D42—7)



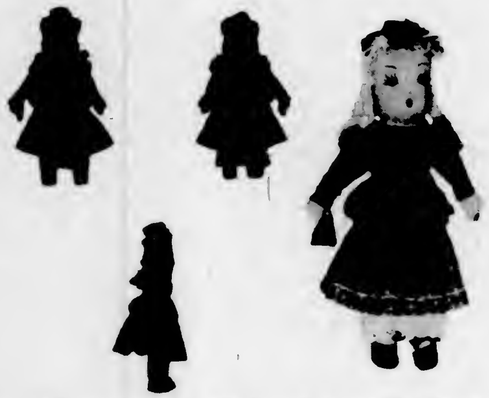
The ornamental design for a clockcase, substantially as shown and described.

165,589
AUTOMOBILE GRILLE BAR
Henry J. Keane, Grosse Pointe, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 7, 1951, Serial No. 16,192
Term of patent 7 years
(Cl. D14—6)



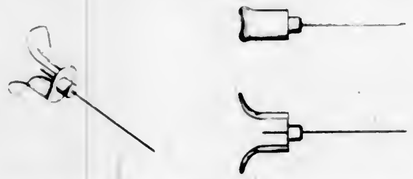
The ornamental design for an automobile grille bar, substantially as shown and described.

165,590
DOLL
Marion N. La Vielle and Henrietta B. Heller, Louisville, Ky., assignors to Cabbage Patch Circle, Louisville, Ky., an unincorporated association
Application September 10, 1948, Serial No. 148,528
Term of patent 14 years
(Cl. D34—4)



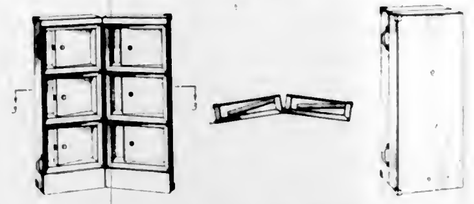
The ornamental design for a doll, as shown.

165,591
HYPODERMIC NEEDLE
James W. Lee, Westfield, N. J., assignor to Cook-Waite Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application July 18, 1951, Serial No. 15,931
Term of patent 14 years
(Cl. D83—1)



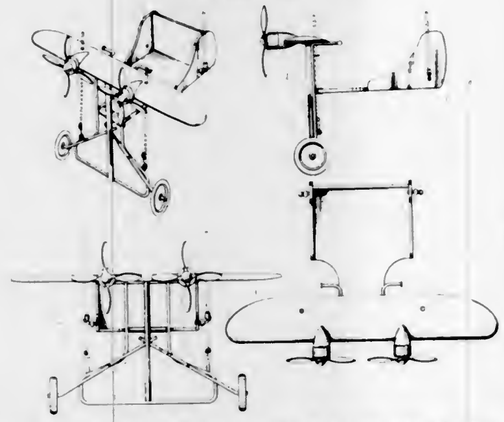
The ornamental design for a hypodermic needle, as shown.

165,592
DISPLAY CABINET
Benjamin M. Levinger, Millbrae, Calif., assignor to Schlage Lock Company, a corporation
Application May 8, 1951, Serial No. 15,099
Term of patent 14 years
(Cl. D80—11)



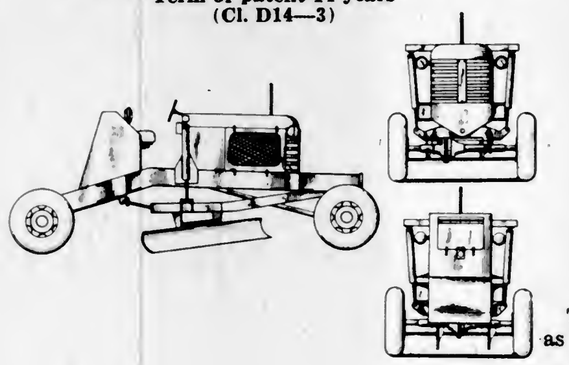
The ornamental design for a display cabinet, as shown.

165,593
SWING
Roy Glenn Low, Minneapolis, Minn.
Application April 17, 1950, Serial No. 9,275
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a swing, as shown and described.

165,594
GRADER
John G. Macdonald, Goderich, Ontario, Canada
Application April 22, 1950, Serial No. 9,427
Term of patent 14 years
(Cl. D14—3)



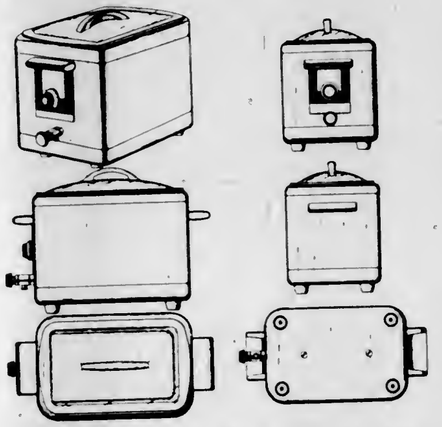
The ornamental design for a grader, as shown and described.

165,595
TELEPHONE CALL TIMER UNIT
Richard A. Miller, New Philadelphia, Ohio, assignor of one-half to J. H. Miller, and one-half to Cleta B. Miller, New Philadelphia, Ohio
Application July 12, 1951, Serial No. 15,841
Term of patent 3½ years
(Cl. D42—7)



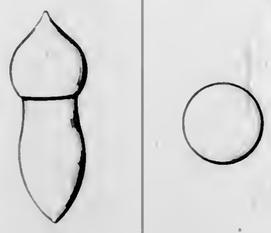
The ornamental design for a telephone call timer unit, substantially as shown.

165,596
DEEP FAT FRYER
Jack Morgan, Chicago, Ill., assignor to Dormeyer Corporation, Chicago, Ill., a corporation of Illinois
Application March 13, 1951, Serial No. 14,471
Term of patent 14 years
(Cl. D81—10)



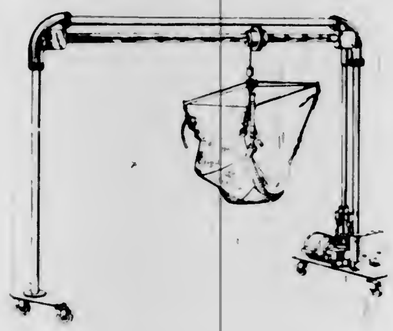
The ornamental design for a deep fat fryer, as shown and described.

165,597
LIPSTICK CASE
Amerigo Muscetra, New York, N. Y.
Application May 2, 1950, Serial No. 9,630
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a lipstick case, as shown.

165,598
DEVICE FOR TRANSPORTING BEDRIDDEN PATIENTS
George B. Nelson, Chicago, Ill.
Application September 9, 1949, Serial No. 4,925
Term of patent 14 years
(Cl. D15—1)



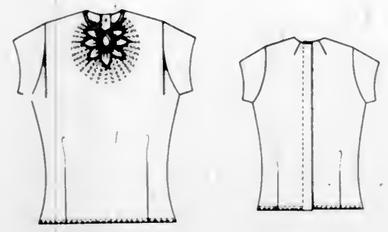
The ornamental design for a device for transporting bedridden patients, as shown.

165,599
WATCH CASE OR SIMILAR ARTICLE
Leon Newhouse, Brooklyn, N. Y., assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y., a corporation of New York
Application November 30, 1950, Serial No. 13,210
Term of patent 14 years
(Cl. D42—8)



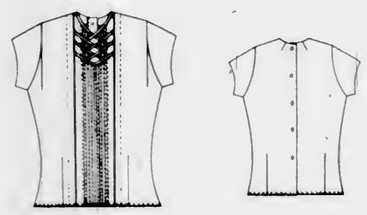
The ornamental design for a watch case or similar article, substantially as shown and described.

165,600
BLOUSE
Jack Orloff, New York, N. Y.
Application October 5, 1951, Serial No. 16,852
Term of patent 3½ years
(Cl. D3—25)



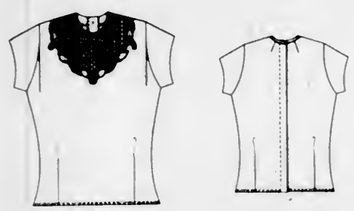
The ornamental design for a blouse, substantially as shown.

165,601
BLOUSE
Jack Orloff, New York, N. Y.
Application October 5, 1951, Serial No. 16,853
Term of patent 3½ years
(Cl. D3—25)



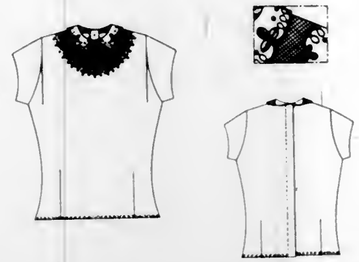
The ornamental design for a blouse, substantially as shown.

165,602
BLOUSE
Jack Orloff, New York, N. Y.
Application October 5, 1951, Serial No. 16,854
Term of patent 3½ years
(Cl. D3—25)



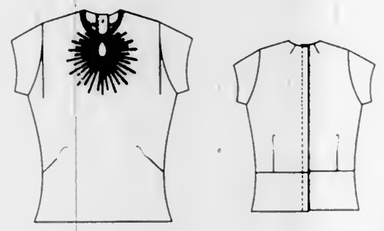
The ornamental design for a blouse, substantially as shown.

165,603
BLOUSE
Jack Orloff, New York, N. Y.
Application October 5, 1951, Serial No. 16,855
Term of patent 3½ years
(Cl. D3—25)



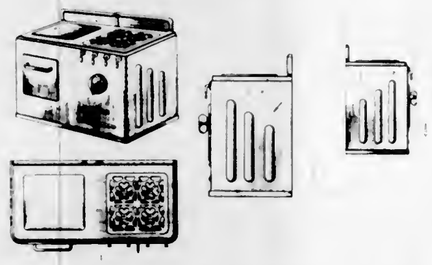
The ornamental design for a blouse, substantially as shown and described.

165,604
BLOUSE
Jack Orloff, New York, N. Y.
Application October 5, 1951, Serial No. 16,856
Term of patent 3½ years
(Cl. D3—25)



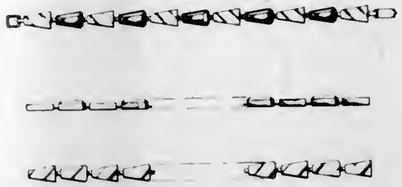
The ornamental design for a blouse, substantially as shown.

165,605
TOY STOVE OR SIMILAR ARTICLE
Mark Page, East Orange, N. J.
Application June 24, 1950, Serial No. 10,726
Term of patent 14 years
(Cl. D34—15)



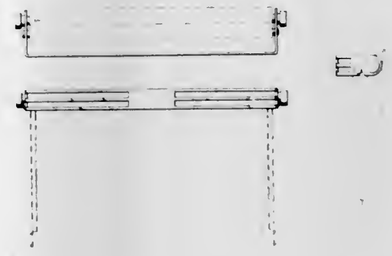
The ornamental design for a toy stove, or similar article, as shown and described.

165,606
BRACELET OR SIMILAR ARTICLE
Charles T. Parisi, Pawtucket, R. I., assignor to Parisi Tool Company, Providence, R. I., a corporation of Rhode Island
Application December 16, 1950, Serial No. 13,456
Term of patent 14 years
(Cl. D45—144)



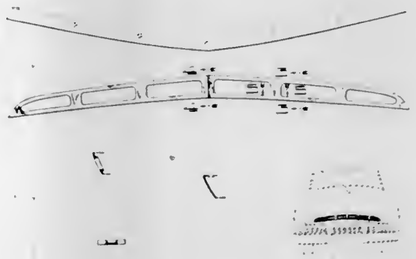
The ornamental design for a bracelet or similar article, as shown and described.

165,607
HANDBAG FRAME
Alfred Rand, White Plains, N. Y.
Application September 26, 1951, Serial No. 16,750
Term of patent 7 years
(Cl. D87—2)



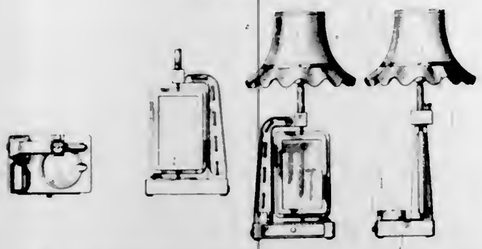
The ornamental design for a handbag frame, as shown and described.

165,608
AUTOMOBILE GRILLE BAR
Frederick Reynolds, Bloomfield Hills, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 7, 1951, Serial No. 16,177
Term of patent 7 years
(Cl. D14—6)



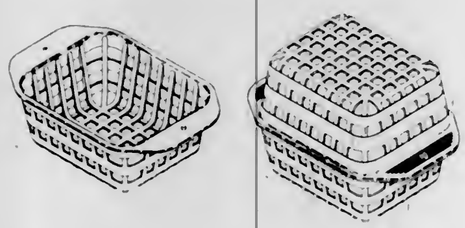
The ornamental design for an automobile grille bar, substantially as shown and described.

165,609
ELECTRIC LAMP WITH DOUBLE-FACED MIRROR FRAME
William Sablotny, Decatur, Ill.
Application September 4, 1951, Serial No. 16,498
Term of patent 14 years
(Cl. D48—20)



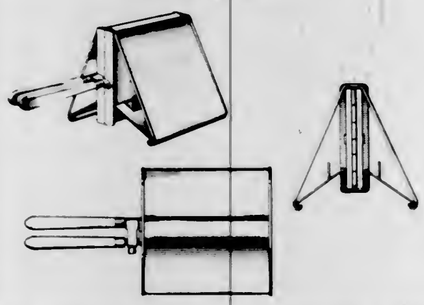
The ornamental design for an electric lamp with double faced mirror frame, as shown.

165,610
FOOD WASHING AND STORING CONTAINER OR SIMILAR ARTICLE
Harry O. Sandberg, Boston, Mass.
Application May 3, 1951, Serial No. 15,059
Term of patent 7 years
(Cl. D58—12)



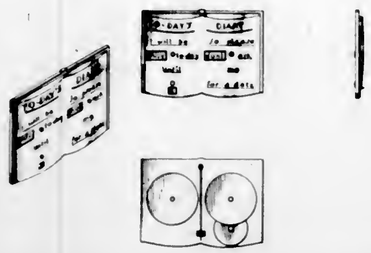
The ornamental design for a food washing-and-storing container or similar article, substantially as shown.

165,611
SANDWICH TOASTER
Herman Schwartz, Long Island City, N. Y.
Application March 22, 1950, Serial No. 8,690
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a sandwich toaster, substantially as shown.

165,612
PIN
Norman Shuman, Brooklyn, N. Y.
Application January 5, 1951, Serial No. 13,673
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a pin, substantially as shown.

165,613
CLOCK CASING OR SIMILAR ARTICLE
John W. Smith, Killbuck, Ohio
Application June 6, 1949, Serial No. 3,069
Term of patent 7 years
(Cl. D42—7)



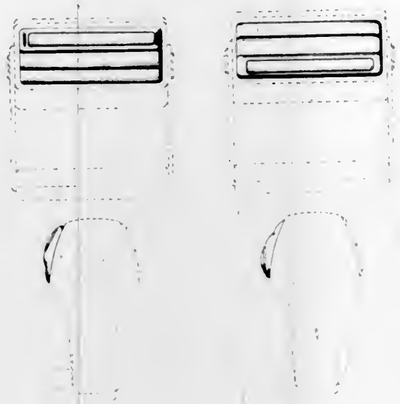
The ornamental design for a clock casing or similar article, as shown.

165,614
TOY WHISTLE
Louis J. Sofro, Pawtucket, R. I., assignor to Reliance Molded Plastics, Inc., Pawtucket, R. I., a corporation of Rhode Island
Application July 17, 1950, Serial No. 11,224
Term of patent 3½ years
(Cl. D34—15)



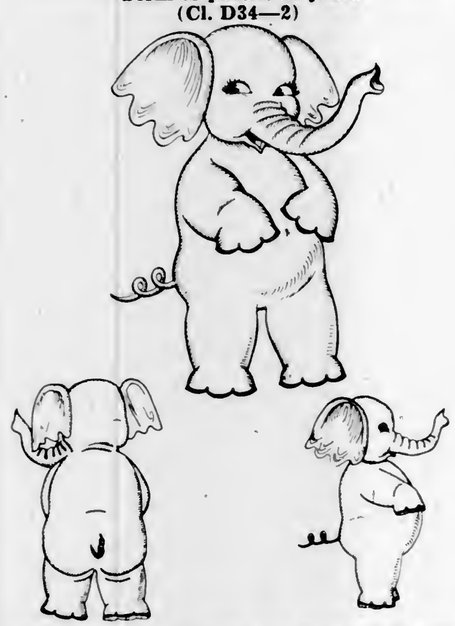
The ornamental design for a toy whistle, as shown and described.

165,615
TOWER SCALE FRONT PANEL
Glenn W. Tammen, Park Ridge, Ill., assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind., a corporation of Indiana
Application May 29, 1951, Serial No. 15,339
Term of patent 14 years
(Cl. D52—10)



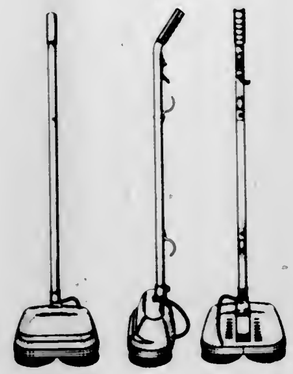
The ornamental design for a tower scale front panel, as shown and described.

165,616
ANIMAL TOY FIGURE
Gertrude Van Tuyl, San Antonio, Tex.
Application June 21, 1951, Serial No. 15,617
Term of patent 14 years
(Cl. D34—2)



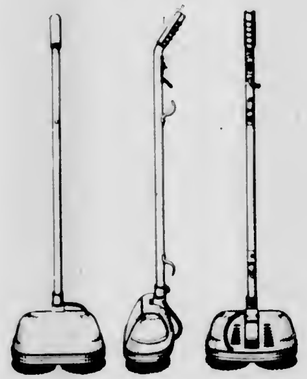
The ornamental design for an animal toy figure, as shown.

165,617
FLOOR POLISHING MACHINE
Edward L. Verhagen, Rahway, N. J., assignor to The Regina Corporation, Rahway, N. J., a corporation of New York
Application November 1, 1950, Serial No. 12,800
Term of patent 14 years
(Cl. D9—2)



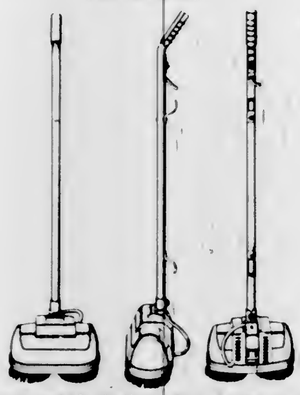
The ornamental design for a floor polishing machine, substantially as shown.

165,618
FLOOR POLISHING MACHINE
Edward L. Verhagen, Rahway, N. J., assignor to The Regina Corporation, Rahway, N. J., a corporation of New York
Application November 14, 1950, Serial No. 12,967
Term of patent 14 years
(Cl. D9—2)



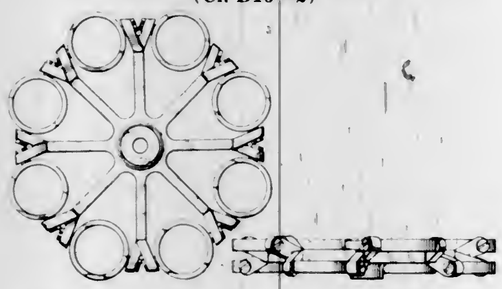
The ornamental design for a floor polishing machine, substantially as shown.

165,619
FLOOR POLISHING MACHINE
Edward L. Verhagen, Rahway, N. J., assignor to The Regina Corporation, Rahway, N. J., a corporation of New York
Application January 16, 1951, Serial No. 13,816
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a floor polishing machine, substantially as shown.

165,620
CENTRIFUGE SPIDER
George B. Via, Red Bank, N. J., assignor to The Gerin Corporation, Red Bank, N. J., a corporation of New Jersey
Application November 22, 1949, Serial No. 6,185
Term of patent 14 years
(Cl. D16—2)



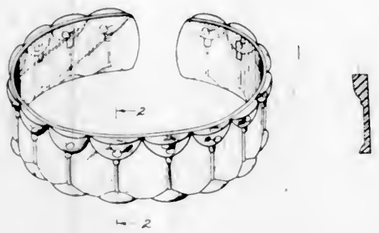
The ornamental design for a centrifuge spider, substantially as shown.

165,621
BELT FASTENER
William West, Montreal, Quebec, Canada, assignor to Personal Products Corporation, a corporation of New Jersey
Application October 22, 1949, Serial No. 5,662
Term of patent 14 years
(Cl. D17—3)



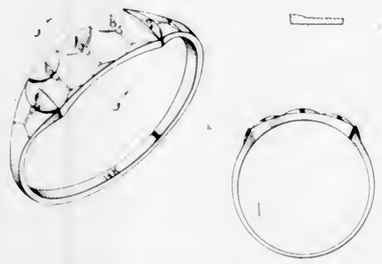
The ornamental design for a belt fastener, substantially as shown.

165,622
BRACELET
Florence C. Witmer, New York, N. Y.
Application July 18, 1951, Serial No. 15,934
Term of patent 7 years
(Cl. D45—4)



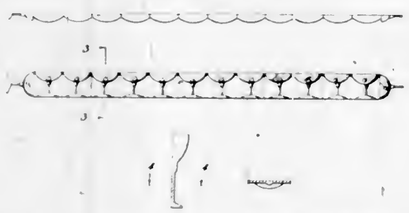
The ornamental design for a bracelet, substantially as shown.

165,623
RING
Florence C. Witmer, New York, N. Y.
Application August 24, 1951, Serial No. 16,429
Term of patent 7 years
(Cl. D45—10)



The ornamental design for a ring, substantially as shown.

165,624
NECKLACE
Florence C. Witmer, New York, N. Y.
Application August 24, 1951, Serial No. 16,430
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace, substantially as shown and described.

Official Gazette

UNITED STATES PATENT OFFICE

Containing the Patents, Trade-Marks, & Designs issued

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T. M. (Act of 1946)	380	No.	552,922	to No.	553,301, inclusive
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Patents	880	No.	2,581,335	to No.	2,582,214, inclusive
Designs	51	No.	165,625	to No.	165,675, inclusive
Total	1,371				

Patents expiring: Patent Numbers 1,986,783 to 1,987,590, inclusive, issued January 8, 1935, expire January 8, 1952

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

ACF-Brill Motors Company, Philadelphia, Pa. Internal combustion engines and parts thereof. Serial No. 582,762, Jan. 8. Class 23.

A & H Doll Manufacturing Corp., Woodside, N. Y. Miniature dressed dolls. Serial No. 610,943, Jan. 8. Class 22.

A & H Doll Manufacturing Corp., Woodside, N. Y. Miniature dressed dolls. Serial No. 611,674, Jan. 8. Class 22.

Abbeville Mills, Abbeville, S. C. Water repellent and wrinkle resistant fabrics. Serial No. 597,803, Jan. 8. Class 42.

Ace Engineering & Machine Co., Inc., Philadelphia, Pa. Shielding enclosures for electrical interference. Serial No. 605,776, Jan. 8. Class 21.

Ace Specialty Manufacturing Company, Minneapolis, Minn. Corner shields. Serial No. 588,924, Jan. 8. Class 13.

Adams, Lois S., New York, N. Y. Cleaning mit. Serial No. 594,610, Jan. 8. Class 29.

Adam's Perfumes, Inc., New York, N. Y. Perfumes, cologne, toilet waters. Serial No. 602,481, Jan. 8. Class 51.

Aktiebolaget Bofors, Bofors, Sweden. Plates of tungsten carbide and cutlery steel. Serial No. 617,594, Jan. 8. Class 14.

Algy Shoes, Inc., Everett, Mass. Shoes. Serial No. 611,873, Jan. 8. Class 39.

Allegheny Ludlum Steel Corporation, Pittsburgh, Pa. All steel used in the production of metal working tools and dies. Serial No. 617,832, Jan. 8. Class 14.

Allied Home Products Corporation, Beloit, Wis. Synthetic detergents. Serial No. 529,947, Jan. 8. Class 52.

Allied Mills, Inc., Chicago, Ill. Pig and hog feed. Serial No. 613,959, Jan. 8. Class 46.

Alpha Chi Rho Fraternity, New York, N. Y. Organizing of chapters in a national collegiate fraternity and maintaining membership therein. Serial No. 603,564, Jan. 8. Class 100.

Alwin Brush & Supply Company, Milwaukee, Wis. Floor brushes. Serial No. 566,114, Jan. 8. Class 29.

American Asphalt Roof Corporation, Kansas City, Mo. Roofing cement. Serial No. 606,745, Jan. 8. Class 12.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Steel strip. Serial No. 616,807, Jan. 8. Class 14.

American Stores Company, Philadelphia, Pa. Fresh eggs. Serial No. 602,015, Jan. 8. Class 46.

Animal Trap Company of America, Lititz, Pa. Snares. Serial No. 587,577, Jan. 8. Class 50.

Arch-Aid Shoe Shop, Inc., New York, N. Y. Shoes. Serial No. 607,210, Jan. 8. Class 39.

Arkansas Company, Inc., Newark, N. J. Oils, chemicals, softeners, and finishers. Serial No. 552,110, Jan. 8. Class 6.

Armour and Company, Chicago, Ill. Soap. Serial No. 543,864, Jan. 8. Class 52.

Artistic Foundations, Inc., New York, N. Y. Brassières. Serial No. 614,801, Jan. 8. Class 39.

Ashland Oil & Refining Company, Ashland, Ky. Gasoline, kerosene, lubricating oils and greases, etc. Serial No. 591,273, Jan. 8. Class 15.

Associated Medical Care Plans: *See*—
Blue Shield Medical Care Plans.

Atlas Brewing Company, Chicago, Ill. Beer and ale. Serial No. 576,028, Jan. 8. Class 48.

B & B Engineering Corporation, Norwood, La. Spring driven gongs. Serial No. 613,895, Jan. 8. Class 21.

Bailey Company, Incorporated, The, Amesbury, Mass. Vehicle glass run channels. Serial No. 572,824, Jan. 8. Class 19.

Balbo Oil Co.: *See*—
Balbo Oil Corporation.

Balbo Oil Corporation, Brooklyn, N. Y., assignee of Balbo Oil Co. Olive oil. Serial No. 508,886, Jan. 8. Class 46.

Barbara Jean Hosiery Company, Penndel, Pa. Women's hosiery. Serial No. 613,757, Jan. 8. Class 39.

Bates Shoe Company, Webster, Mass. Shoes. Serial No. 597,119, Jan. 8. Class 39.

Beford, A. J., Shoe, Incorporated, Lititz, Pa. Infants', children's, misses', and little gents' cowboy boots and felt slippers. Serial No. 604,715, Jan. 8. Class 39.

Begwaco Meters Limited, Farnworth, near Bolton, England. Gas meters. Serial No. 597,997, Jan. 8. Class 26.

Bellerose Products Co., Manhasset, N. Y. Canvas reversible safety shoes. Serial No. 602,594, Jan. 8. Class 39.

Beloit Milling Company, Beloit, Ohio. Soft winter wheat pastry flour. Serial No. 563,893, Jan. 8. Class 46.

Betzel, A. E., Engineering Company, Arlington, Tex. Machines with which to wrap cylindrical objects with material in tape form. Serial No. 602,731, Jan. 8. Class 23.

Black Panther Tool Company, Philadelphia, Pa. Glazier points and axe and hammer wedges. Serial No. 615,678, Jan. 8. Class 13.

Blackington, Alton H., Lynn, Mass. Advertising and entertainment services. Serial No. 539,630, Jan. 8. Class 101.

Blair Products, Detroit, Mich. Granulated or powdered refractory materials. Serial No. 608,697, Jan. 8. Class 12.

Blue Shield Medical Care Plans, Chicago, Ill., by change of name from Associated Medical Care Plans. Furnishing medical care on a pre-payment basis. Serial No. 589,371, Jan. 8. Class 100.

Blue Shield Medical Care Plans, Chicago, Ill. Underwriting the expense of medical care. Serial No. 606,403, Jan. 8. Class 102.

Bragado, Domingo R., doing business as Jewel Filipino Spinning Top Co., Brooklyn, N. Y. Spinning tops. Serial No. 614,399, Jan. 8. Class 22.

Brawley, T. R., Felt Co. Inc., Brooklyn, N. Y. Cushioned glides. Serial No. 582,019, Jan. 8. Class 13.

Bridal Originals, St. Louis, Mo. Women's and misses' wedding gowns and dresses for formal wear. Serial No. 612,893, Jan. 8. Class 39.

Broad Brook Company, Broad Brook and East Windsor, Conn. Cloth. Serial No. 611,885, Jan. 8. Class 42.

Bron-Shoe Company, The, doing business as The Senti-Metal Company, Columbus, Ohio. Plating of sentimentally valuable articles. Serial No. 604,144, Jan. 8. Class 106.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes. Serial No. 603,758, Jan. 8. Class 17.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes. Serial No. 603,761, Jan. 8. Class 17.

Buchicchio, Joseph J., New Orleans, La. Instructing in the playing of the accordion. Serial No. 605,279, Jan. 8. Class 107.

Bunny Bear Inc., Everett, Mass., assignee of Rand Rubber Company, Inc. Infants' crib mattresses. Serial No. 513,274, Jan. 8. Class 32.

Calico Printers' Association Limited, The, Manchester, England. Piece goods. Serial No. 611,826, Jan. 8. Class 42.

Cameron Machine Company, Brooklyn, N. Y. Slitting wheel assembly. Serial No. 594,100, Jan. 8. Class 23.

Celwa Products Co.: *See*—
Willig, John H.

Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C. Women's hosiery. Serial No. 614,080, Jan. 8. Class 39.

Charm Pederma Co.: *See*—
Saari, Wayne J.

Chautauqua Cabinet Company, doing business under the name "Kling Factories," Mayville, N. Y. Bedroom furniture. Serial No. 593,907, Jan. 8. Class 32.

Chef-Way, Inc., Kansas City, Mo. Coin controlled, electrically operated vending machines. Serial No. 603,663, Jan. 8. Class 23.

Chen Yu, Inc., assignor to Richard Hudnut, New York, N. Y. Lipstick and nail lacquer. Serial No. 589,146, Jan. 8. Class 51.

Chicago Paints, Inc., Chicago, Ill. Paint enamels. Serial No. 538,364, Jan. 8. Class 16.

Chivers & Sons, Limited, Histon, Cambridge, England. Marmalade, fruit jellies and jams. Serial No. 586,224, Jan. 8. Class 46.

Cia. Anma, Toddy Venezolana, Caracas, Venezuela. Powdered milk. Serial No. 561,883, Jan. 8. Class 46.

Clayton & Lambert Manufacturing Company, Louisville, Ky. Metal corn cribs and grain bins. Serial No. 615,157, Jan. 8. Class 2.

Clinton Foods Inc., Clinton, Iowa. Non-crystallizable corn sugar syrup. Serial No. 602,436, Jan. 8. Class 46.

Clinton Foods Inc.: *See*—
Clinton Industries Inc.

Clinton Industries Inc., Clinton, Iowa, now by change of name Clinton Foods Inc. Corn syrup, corn oil. Serial No. 550,023, Jan. 8. Class 46.

Clofine, Herbert K., Philadelphia, Pa. Dried cheese whey. Serial No. 594,197, Jan. 8. Class 46.

Columbus Dental Manufacturing Co., The, Columbus, Ohio. Metallic backings for artificial teeth. Serial No. 614,818, Jan. 8. Class 44.

Connett Plumbing and Heating: *See*—
Myers, John T.

Consolidated Cosmetics, Chicago, Ill. Antiseptic and deodorizing denture adhesive. Serial No. 607,800, Jan. 8. Class 51.

Consolidated Iron-Steel Mfg. Co., The, Cleveland, Ohio. Sash pulleys. Serial No. 582,559, Jan. 8. Class 13.

Continental Coffee Company, Inc., Chicago, Ill. Cocoa. Serial No. 560,685, Jan. 8. Class 46.
Copley Fabrics, Inc., New York, N. Y. Rayon piece goods. Serial No. 598,455, Jan. 8. Class 42.
Corset Specialties, Inc., New York, N. Y. Brassières, girdles, and combinations of brassières and girdles. Serial No. 606,074, Jan. 8. Class 39.
Craddock-Terry Shoe Corporation, Lynchburg, Va. Women's shoes. Serial No. 611,770, Jan. 8. Class 39.
Crewett, Margaret W., Philadelphia, Pa. Cleansing face cream. Serial No. 579,583, Jan. 8. Class 51.
Crompton & Knowles Loom Works, Worcester, Mass. Looms and parts thereof. Serial No. 605,148, Jan. 8. Class 23.
Cross Company, The, Detroit, Mich. Gauges. Serial No. 596,157, Jan. 8. Class 26.
Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses, coats, suits, etc. Serial No. 587,182, Jan. 8. Class 39.
Curtis Paper Company, Newark, Del. Book paper. Serial No. 603,223, Jan. 8. Class 37.
Cussins and Pearn Company, The, Columbus, Ohio. Coal, kerosene, crude oil, and gas-fired space heaters, etc. Serial No. 551,865, Jan. 8. Class 34.
De Marco, James, Middle Village, N. Y. Ladies', misses' and children's shoes, slippers. Serial No. 607,801, Jan. 8. Class 39.
Desco Shoe Corp., New York, N. Y. Misses', girls', boys', men's, women's and children's shoes. Serial No. 589,501, Jan. 8. Class 39.
De Walt Inc., Lancaster, Pa. Leaflets published periodically. Serial No. 614,689, Jan. 8. Class 38.
Diamond Match Company, The, New York, N. Y. Plates. Serial No. 614,873 Jan. 8. Class 2.
Di Pietro, Pietro, New York, N. Y. Food sauces. Serial No. 614,043, Jan. 8. Class 46.
Distributors Photo Finishing Co., Cincinnati, Ohio. Developing, enlarging, reproducing, coloring and printing of pictures. Serial No. 590,873, Jan. 8. Class 106.
Douglas Fir Plywood Association, Tacoma, Wash. House organ. Serial No. 605,848, Jan. 8. Class 38.
Drummondville Cotton Company, Limited, Montreal, Quebec, Canada. Threads. Serial No. 604,959, Jan. 8. Class 43.
Dupuis Produce Company, Breaux Bridge, La. Raw, whole yams. Serial No. 589,060, Jan. 8. Class 46.
Duratile of Texas, Incorporated, Tyler, Tex. Aluminum wall tile. Serial No. 609,901, Jan. 8. Class 12.
Duro-Test Corporation, North Bergen, N. J. Incandescent and fluorescent lamps. Serial No. 613,953, Jan. 8. Class 21.
Electrolux Corporation, Dover, Del., and New York, N. Y. Service, maintenance and repair of vacuum cleaners and floor polishers, and accessories therefor. Serial No. 603,777, Jan. 8. Class 103.
Ellay Stores, Inc., New York, N. Y. Men's and women's suits and coats. Serial No. 611,507, Jan. 8. Class 39.
Ellis Brothers, Inc., Chicago, Ill. Wines. Serial No. 595,830, Jan. 8. Class 47.
Ellis Paint Company, Long Beach, Calif. Ready-mixed paints. Serial No. 568,152, Jan. 8. Class 16.
Emerson Radio and Phonograph Corporation, New York, N. Y. Static dust preventive. Serial No. 611,027, Jan. 8. Class 6.
Emery Industries, Inc., Cincinnati, Ohio. Dimer acid. Serial No. 613,216, Jan. 8. Class 6.
Endicott Johnson Corporation, Endicott, N. Y. Shoe counters. Serial No. 613,165, Jan. 8. Class 39.
Epstein, Sol, doing business as Televex Company, Los Angeles, Calif. Television and radio antenna and aerials, etc. Serial No. 606,338, Jan. 8. Class 21.
Eshelman, John W., & Sons, Lancaster, Pa. Poultry foods. Serial No. 558,024, Jan. 8. Class 46.
Esquire, Inc., Chicago, Ill. Developed motion picture film, frames thereof and reproductions thereof on film, etc. Serial No. 479,558, Jan. 8. Class 26.
Euclid Candy Company of California, Inc., San Francisco, Calif. Candy. Serial No. 592,020, Jan. 8. Class 46.
Everedy Company, The, Frederick, Md. Metal hollow ware ovens. Serial No. 580,053, Jan. 8. Class 13.
Everedy Company, The, Frederick, Md. Metal hollow ware. Serial No. 581,803, Jan. 8. Class 13.
FKG Fritz Kesselring Gerätebau A. G., Bachtobel-Weinfelden, Thurgau, Switzerland. Alkali-vaporous discharge tubes. Serial Nos. 606,653-4, Jan. 8. Class 21.
Fairfield Glove Co., Fairfield, Iowa. Slipper sox. Serial No. 603,917, Jan. 8. Class 39.
Faleck & Lamkay Co., New York, N. Y. Ladies' shoes. Serial No. 613,218, Jan. 8. Class 39.
Farmers Educational and Cooperative Union of America, Denver, Colo. Services comprising the dissemination of information pertaining to farming and related industries. Serial No. 531,900, Jan. 8. Class 102.
Fear, Fred, & Co., Brooklyn, N. Y. Flavored syrups, flavoring extracts and flavored frostings. Serial No. 597,741, Jan. 8. Class 46.
Filter Materials, Inc., Waupaca, Wis. Filler materials. Serial No. 574,501, Jan. 8. Class 23.
Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Artificial and synthetic perfumery compositions; natural and synthetic essential oils, etc. Serial No. 593,664, Jan. 8. Class 51.
Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural or synthetic perfumery compositions, aromatic chemicals. Serial No. 603,054, Jan. 8. Class 51.
Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural or synthetic perfumery compositions, natural and synthetic essential oils, aromatic chemicals. Serial No. 603,443, Jan. 8. Class 51.
Firmenich, Incorporated, assignee: *See*— Firmenich & Co.
Fitch, F. W., Company, The, Des Moines, Iowa, assignor to The Grove Laboratories, Inc., St. Louis, Mo. Hair dressing. Serial No. 577,179, Jan. 8. Class 51.
Florsheim Shoe Company, The, Chicago, Ill. Men's and women's shoes. Serial No. 600,041, Jan. 8. Class 39.
Foster, Alan, doing business as Alan Foster Associates, New York, N. Y. Photographic prints. Serial No. 614,620, Jan. 8. Class 38.
Foster, Alan, Associates: *See*— Foster, Alan.
Fox Candy Company: *See*— Fox, Harvey C.
Fox, Harvey C., doing business as Fox Candy Company, Cleveland, Ohio. Candy. Serial No. 535,018, Jan. 8. Class 46
Garfinckel, Julius, & Co., Incorporated, Washington, D. C. Ladies', misses' and girls' suits, dresses, skirts, etc. Serial No. 603,189, Jan. 8. Class 39.
General Ceramics and Steatite Corp., Keasbey, N. J. Sectional cascade coolers. Serial No. 616,168, Jan. 8. Class 31.
Gloversville Knitting Company, Gloversville, N. Y. Lining fabrics. Serial No. 612,251, Jan. 8. Class 42.
Goodin, Isaac, Ontario, Calif. Electric motor driven centrifugal pumps. Serial No. 601,141, Jan. 8. Class 23.
Gotham Hosiery Company, Inc., New York, N. Y. Women's hosiery. Serial No. 606,292, Jan. 8. Class 39.
Graw, Harry J., Chicago, Ill. Camera lenses. Serial No. 619,158, Jan. 8. Class 26.
Great Trails Broadcasting Corporation, Dayton, Ohio. Radio program broadcasting. Serial No. 533,017, Jan. 8. Class 101.
Greeff Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 612,542, Jan. 8. Class 42.
Grove Laboratories, Inc., The, assignee: *See*— Fitch, F. W., Company, The.
Hanover Cordage Company Incorporated, Hanover, Pa. Packing materials. Serial No. 609,797, Jan. 8. Class 35.
Hanson-Van Winkle-Munning Company, Matawan, N. J., and elsewhere. Industrial polishing buffs. Serial No. 591,419, Jan. 8. Class 4.
Harris, A., and Company, Dallas, Tex. Women's sling capes. Serial No. 591,850, Jan. 8. Class 39.
Hart's Bakery, Inc., Sikeston, Mo. Bread and rolls. Serial No. 597,752, Jan. 8. Class 46.
Hershel California Fruit Products Co., San Jose, Calif. Food products. Serial No. 614,405, Jan. 8. Class 46.
Heyden Chemical Corporation, New York, N. Y. Penicillin salt preparations. Serial No. 612,742, Jan. 8. Class 18.
Hickok Manufacturing Co. Inc., Rochester, N. Y. Boys' and men's rain coats, jackets, gloves, etc. Serial No. 609,798, Jan. 8. Class 39.
Hipwell Manufacturing Company, Pittsburgh, Pa. Flash lights. Serial No. 613,874, Jan. 8. Class 21.
Hi-Q Lo-P Oil Company: *See*— Smith, Addie M.
Hook & Ackerman, Inc., New York, N. Y. Gas fired hot water boilers. Serial No. 596,666, Jan. 8. Class 34.
Hopper, Schuyler, Co., The: *See*— Hopper, W.
Hopper, W., Schuyler, doing business as The Schuyler Hopper Co., New York, N. Y. Advertising services. Serial No. 567,916, Jan. 8. Class 100.
Horwitt, Nathan G., doing business as Yankee Foods, Lee, Mass. Noodles. Serial No. 611,700, Jan. 8. Class 46.
Hosey, Harry A., doing business as The Old Hickory Sales Company, Old Hickory, Tenn. Laundry fastener or clip. Serial No. 599,766, Jan. 8. Class 24.
House of Old Molineaux, Inc., Boston, Mass. Wines. Serial No. 597,148, Jan. 8. Class 47.
Howard Foundry Company, Chicago, Ill. Pneumatic horns. Serial No. 598,797, Jan. 8. Class 23.
Hudnut, Richard, assignee: *See*— Chen Yu, Inc.
Hudnut, Richard, New York, N. Y. Perfume. Serial No. 561,468, Jan. 8. Class 51.
Hunter, H. B., Company, Inc., Norfolk, Va. Cooked and emulsified product of cocoa, sugar and flavorings for flavoring ice cream. Serial No. 574,269, Jan. 8. Class 46.
Huwood-Irwin Corporation, Irwin, Pa. Belt and chain conveyors. Serial No. 611,608, Jan. 8. Class 23.
Hygrade Food Products Corporation, New York, N. Y. Sausage, ham, bacon, lard and cheese. Serial No. 546,302, Jan. 8. Class 46.
Hyper-Humus Company, Bryn Mawr, Pa. Plant soil. Serial No. 600,169, Jan. 8. Class 10.
Independent Salmon Canneries, Inc., Seattle, Wash. Canned salmon. Serial No. 606,224, Jan. 8. Class 46.

Inland Empire Paper Company, Millwood, Wash. Mimeograph paper and bristol paper. Serial No. 599,244, Jan. 8. Class 37.
Interchemical Corporation, New York, N. Y. Etching of plates and cylinders and the furnishing of advisory services. Serial No. 561,313, Jan. 8. Class 106.
International Shoe Company, St. Louis, Mo. Shoes. Serial No. 598,190, Jan. 8. Class 39.
Ionite Battery Corporation, Price, Utah. Electrolytes or solutions for batteries. Serial No. 589,724, Jan. 8. Class 6.
Iowa Packing Company, Division of Swift & Company: *See*— Swift & Company.
Jacobs, Phil, Co., Inc., Kansas City, Mo. Women's suits, coats and dresses. Serial No. 610,275, Jan. 8. Class 39.
Jelenko, J. F., & Co., Inc., New York, N. Y. Gold alloy used for dental purposes. Serial No. 614,664, Jan. 8. Class 44.
Jewel Filipino Spinning Top Co.: *See* — Bragado, Domingo R.
Jiffy Bobbin Corporation, North Hollywood, Calif. Knitting patterns comprising color and stitch charts. Serial No. 616,768, Jan. 8. Class 26.
Keystone Slipper Co., Inc., Philadelphia, Pa. Women's shoes. Serial No. 565,631, Jan. 8. Class 39.
Kirby, Harold L., Glendale, Calif. Baby furniture and equipment. Serial No. 598,798, Jan. 8. Class 32.
"Kling Factories": *See*— Chautauqua Cabinet Company.
Knoll Associates, Inc., New York, N. Y. Articles of furniture. Serial No. 603,301, Jan. 8. Class 32.
Knox Company, The, Los Angeles, Calif. Medicinal preparation. Serial No. 610,912, Jan. 8. Class 18.
Koppers Company, Inc., Pittsburgh, Pa. Mono- and polyhydroxyphenols, alkylphenols, etc. Serial No. 576,645, Jan. 8. Class 6.
Kosto Co., The, Chicago, Ill. Food preparation. Serial No. 570,562, Jan. 8. Class 46.
Kresge, S. S., Company, Detroit, Mich. Candy. Serial No. 600,778, Jan. 8. Class 46.
L. G. S. Spring Clutch Corporation, Indianapolis, Ind., assignor to The Marquette Metal Products Company, Cleveland, Ohio. Spring clutch mechanism units. Serial No. 581,195, Jan. 8. Class 23.
Lactona Incorporated, St. Paul, Minn. Toothbrushes. Serial No. 584,408, Jan. 8. Class 29.
Leader Novelty Candy Co., Inc., Brooklyn, N. Y. Chocolates and hard candy. Serial No. 580,995, Jan. 8. Class 46.
Leslie Fay Fashions, Inc., New York, N. Y. Women's and misses' coats and suits. Serial No. 612,901, Jan. 8. Class 39.
Libbey-Owens-Ford Glass Company, Toledo, Ohio. Colored opaque glass tiles, multiple glass sheet glazing units, etc. Serial No. 602,039, Jan. 8. Class 12.
Link-Belt Company, Chicago, Ill. Drive chains and conveyor chains. Serial Nos. 614,445-6, Jan. 8. Class 23.
Little Crow Milling Company, Inc., Warsaw, Ind. Mix of corn meal, wheat flour and other ingredients for corn bread, corn sticks, muffins, etc. Serial No. 593,805, Jan. 8. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 573,429, Jan. 8. Class 46.
Lowell Specialty Company, Chicago, Ill. Portable hand-manipulable sprayers. Serial No. 614,702, Jan. 8. Class 23.
Magnuson Engineers: *See*— Magnuson, Roy M.
Magnuson, Roy M., doing business as Magnuson Engineers, San Jose, Calif. Hydraulically operated apparatus. Serial No. 603,960, Jan. 8. Class 23.
Mainzer, Adolf J., Inc., New York and Long Island City, N. Y. Candied fruit peel and fruit. Serial No. 593,182, Jan. 8. Class 46.
Mann Company of Washington, The, Washington, D. C. Deep fried cheese flavored corn meal product. Serial No. 592,274, Jan. 8. Class 46.
Mapleton Cheese Factory: *See*— Tupper, L. J.
Marathon Corporation, Rothschild, Wis. Collapsible cardboard cartons. Serial No. 599,959, Jan. 8. Class 2.
Maritime Milling Co. Inc., Buffalo, N. Y. Poultry feed. Serial No. 529,280, Jan. 8. Class 46.
Marquette Metal Products Company, The, assignee: *See*— L. G. S. Spring Clutch Corporation.
Maryland Import Company, Chicago, Ill. Whiskey. Serial No. 611,798, Jan. 8. Class 49.
Mathieson Chemical Corporation, assignee: *See*— Southern Acid & Sulphur Company.
Maus, Geo. H., Inc., Amsterdam, N. Y. Lawn broom rakes and parts thereof. Serial No. 571,695, Jan. 8. Class 23.
McConnell-Kerr Company, Detroit, Mich. Sheets and pillowcases and sheeting by the yard. Serial No. 612,699, Jan. 8. Class 42.
McKay Company, The, Pittsburgh, Pa. Tire chains. Serial No. 616,178, Jan. 8. Class 13.
Meese, Inc., Madison, Ind. Cork insulated and canvas covered shipping and storage cases. Serial No. 597,450, Jan. 8. Class 2.
Mercury Advertising Agency, Inc., Los Angeles, Calif. Prepared advertising. Serial No. 590,610, Jan. 8. Class 38.
Merkel, Inc., Jamaica, N. Y. Meats. Serial No. 589,735, Jan. 8. Class 46.
Mid-States Gummed Paper Co., Chicago, Ill. Kraft paper, sulphite paper, bond paper, etc. Serial No. 546,927, Jan. 8. Class 37.
Midwest Footwear, Inc., Sullivan, Mo. Shoes, slippers and moccasins. Serial No. 610,288, Jan. 8. Class 39.
Milwaukee Metal Spinning Company: *See*— Spincraft, Inc.
Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Light-weight rubber shoes. Serial No. 611,527, Jan. 8. Class 39.
Missouri Valley Organic Fertilizer Mix, Inc., Union Star, Mo. Soil conditioner and plant food. Serial No. 597,090, Jan. 8. Class 10.
Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. Serial No. 589,032, Jan. 8. Class 6.
Mueller, C. F., Co.: *See*— Mueller, C. F., Company.
Mueller, C. F., Company, Jersey City, N. J., by merger with C. F. Mueller Co. Alimentary pastes. Serial No. 515,125, Jan. 8. Class 46.
Myers, John T., doing business as Connett Plumbing and Heating, Fort Wayne, Ind. Installation and repair of plumbing fixtures. Serial No. 592,156, Jan. 8. Class 103.
Naamloze Vennootschap Fabriek van Electrische Apparaten Voorheen F. Hazemeyer & Co., Hengelo, Netherlands. Electrical apparatus and parts thereof. Serial No. 593,183, Jan. 8. Class 21.
National Blank Book Company, Holyoke, Mass. Blank sheets for bookkeeping records, paper sheet packs, etc. Serial No. 612,817, Jan. 8. Class 37.
National Cranberry Association, Hanson, Mass. Canned frozen cranberry juice. Serial No. 603,340, Jan. 8. Class 46.
National Plastic Products Company, Odenton, Md. Thermoplastic injection molded Venetian blind fittings. Serial No. 616,331, Jan. 8. Class 13.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Grape juice, and non-alcoholic, non-cereal, maltless beverages. Serial No. 583,277, Jan. 8. Class 45.
Navien, Charles A., New York, N. Y. Gas and electric household refrigerators and electric household freezers. Serial No. 605,671, Jan. 8. Class 31.
Navien, Charles A., New York, N. Y. Household air conditioning units. Serial No. 605,672, Jan. 8. Class 34.
New England Distillers, Incorporated, Clinton, Mass. Gin. Serial No. 562,791, Jan. 8. Class 49.
Nichols Wire & Aluminum Co., Davenport, Iowa. Metal fencing, poles, braces, etc. Serial No. 616,184, Jan. 8. Class 13.
Noma Electric Corporation, New York, N. Y. Floor toys. Serial No. 604,657, Jan. 8. Class 22.
Noma Electric Corporation, New York, N. Y. Pop-up blocks, mechanical skiing figure toy, interlocking type blocks, etc. Serial No. 604,658, Jan. 8. Class 22.
Northill Company, Inc., Los Angeles, Calif. Marine anchors. Serial No. 618,364, Jan. 8. Class 14.
Northrup Equipment Company, Parkersburg, W. Va. Oil and gas well pumps and parts thereof. Serial No. 598,318, Jan. 8. Class 23.
Nyrope, Inc., New York, N. Y. Tablets used for sore throats and post-tonsillectomies. Serial No. 603,124, Jan. 8. Class 18.
Oesterreichische Knopf und Metallwarenfabrik J. Meister & Co., Vienna, Austria. Igniters emitting sparks which ignite gas. Serial No. 604,021, Jan. 8. Class 34.
Ohio Corrugating Company, The, Warren, Ohio. Metallic closure rings. Serial No. 598,496, Jan. 8. Class 13.
Old Hickory Sales Company, The: *See*— Hosey, Harry A.
Optimist International, St. Louis, Mo. Rendering civic and moral educational services. Serial No. 598,320, Jan. 8. Class 107.
Paden, C. Gilbert, assignor to Whirlaway Egg Washer Company, Harrisburg, Pa. Electrically heated egg washer. Serial No. 595,909, Jan. 8. Class 21.
Panamex Corporation, Beverly Hills, Calif. Scissors and shears. Serial No. 612,411, Jan. 8. Class 23.
Pangborn Corporation, Hagerstown, Md. Granular abrasive materials. Serial No. 602,468, Jan. 8. Class 4.
Parkview Markets, Inc., Cincinnati, Ohio. Canned vegetables. Serial No. 597,035, Jan. 8. Class 46.
Paton, John G., Company, Inc., The, New York, N. Y. Canned crushed pineapple, canned fine cut pineapple and canned sliced pineapple. Serial No. 597,695, Jan. 8. Class 46.
Patterson, C. J., Company, Kansas City, Mo. Highly diastatic malt used as an ingredient for foods. Serial No. 601,275, Jan. 8. Class 46.
Pekay Machine & Engineering Co., Chicago, Ill. Conveyor buckets. Serial No. 613,083, Jan. 8. Class 23.
Penguin Books, Inc., Baltimore, Md. Books. Serial No. 615,020, Jan. 8. Class 38.
Perry, Paul E., New York, N. Y. Ashtrays. Serial No. 613,944, Jan. 8. Class 8.
Peterson-Biddick Company, Wadena, Minn. Seeds. Serial No. 603,852, Jan. 8. Class 1.

Phi Alpha Theta, Allentown, Pa. Publication. Serial No. 604,383, Jan. 8. Class 38.
Pierce Watch Company, Inc., New York, N. Y. Watches, chronographs. Serial No. 612,758, Jan. 8. Class 27.
Pioneer Welding-Bit Works, The: *See*—
White, Thomas A.
Powell, Dick, doing business as Powell Enterprises, Hollywood, Calif. Advertising the goods of others. Serial No. 604,386, Jan. 8. Class 101.
Powell Enterprises: *See*—
Powell, Dick.
Preservative Paint Co., Seattle, Wash. Ready-mixed paints, asphalt-base paints, paint primers, etc. Serial No. 500,695, Jan. 8. Class 16.
Productive Equipment Corporation, Chicago, Ill. Vibrating screen devices. Serial No. 569,097, Jan. 8. Class 23.
Puppet House, The: *See*—
Sellers, Sarah E.
Pyrometer Service Company, North Arlington, N. J. Pyrometers and electrical controls for pyrometers responsive to fluctuations in temperature. Serial No. 610,760, Jan. 8. Class 26.
Quercia, Marcel, Paris, France. Pyrophoric lighters. Serial No. 578,706, Jan. 8. Class 8.
Radio Voice of Springfield, Inc., Springfield, Ohio. Radio program broadcasting. Serial No. 533,050, Jan. 8. Class 101.
Rand Rubber Company, Inc.: *See*—
Bunny Bear Inc.
Reilly-Whiteman-Walton Company, Conshohocken, Pa. Supplementary synthetic tanning. Serial No. 615,721, Jan. 8. Class 6.
Reliance Products Corporation, Portland, Oreg. Oil burners, oil burning stoves, and parts thereof. Serial No. 554,115, Jan. 8. Class 34.
Rembrandt Lamp Corporation, Chicago, Ill. Lamp shades primarily intended for electrical lamps. Serial No. 599,588, Jan. 8. Class 21.
Research Products Company, Kansas City, Mo. Insecticides. Serial Nos. 612,089–90, Jan. 8. Class 6.
Ridge Tool Company, The, Elyria, Ohio. Threading dies. Serial No. 606,052, Jan. 8. Class 23.
Robbins Tire & Rubber Company, Inc., Tuscumbia, Ala. Inner tubes for pneumatic tires. Serial No. 612,508, Jan. 8. Class 35.
Roberts & Porter, Inc., Chicago, Ill. Plate solutions. Serial No. 610,800, Jan. 8. Class 6.
Robertson, H. H., Company, Pittsburgh, Pa. Synthetic resins in powdered and paste form. Serial No. 602,631, Jan. 8. Class 1.
Rougier Freres, Compagnie Incorporee, Montreal, Quebec, Canada. Pharmaceutical product. Serial No. 604,746, Jan. 8. Class 18.
Royce Shoe Corporation, Boston, Mass. Women's shoes. Serial Nos. 611,857–9, Jan. 8. Class 39.
Rubinstein, Helena, Inc., New York, N. Y. Hair rinse and lipstick. Serial Nos. 603,254–5, Jan. 8. Class 51.
S & S Cone Corporation, New York, N. Y. Empty ice cream cones. Serial No. 587,134, Jan. 8. Class 46.
Saari, Wayne J., doing business as Charm Pederma Co., Chicago, Ill. Foot powder. Serial No. 612,705, Jan. 8. Class 18.
Saffe Brothers, New Baltimore, Mich. Olives. Serial No. 615,726, Jan. 8. Class 46.
Santa Cruz Canning Company, assignee: *See*—
Verga, Frank.
Savonneries Lever, Paris, France. Household soap, toilet soap, medicated soap, etc. Serial No. 500,186, Jan. 8. Class 52.
Schenley Laboratories, Inc., New York, N. Y. Penicillin tablets. Serial No. 602,977, Jan. 8. Class 18.
Sears, Roebuck and Co., Chicago, Ill. Herbicides. Serial No. 614,099, Jan. 8. Class 6.
Seg-Mar, Inc., New Orleans, La. Clothing. Serial No. 613,654, Jan. 8. Class 39.
Sellers, Sarah E., doing business as The Puppet House, Cincinnati, Ohio. Puppets. Serial No. 615,263, Jan. 8. Class 22.
Senti Metal Company, The: *See*—
Bron-Shoe Company, The.
Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Pipe joint cement, gas fitters cement, spud cement, etc. Serial No. 594,586, Jan. 8. Class 12.
Shell Chemical Corporation, New York, N. Y. Insecticide. Serial No. 615,251 Jan. 8. Class 6.
Shelton Manufacturing Co., Inc., Long Island City, N. Y. Corrugated paper boxes. Serial No. 607,904, Jan. 8. Class 2.
Sherrod Shirt Company, High Point, N. C. Work shirts. Serial No. 610,928, Jan. 8. Class 39.
Sho-Me, Inc., New York, N. Y. Multiple section storage boxes. Serial No. 596,811, Jan. 8. Class 2.
Smith, Addie M., doing business as Hi-Q-Lo-Pr Oil Company, Bedford, Ind. Gasoline, lubricating oils and greases. Serial No. 612,221, Jan. 8. Class 15.
Smith, Thomas L., Charleston, S. C. Advertising goods and services of others. Serial No. 532,511, Jan. 8. Class 101.
Societe Anonyme Novacel (Nouvelles Applications Chimiques et Cellulosiques), Paris, France. Artificial and natural sponges. Serial Nos. 596,871–2, Jan. 8. Class 1.
Societe Belge de l'Azote et des Produits Chimiques du Marly, Liege Belgium. Adrenochrome monosemi-carbazone, a haemostatic composition. Serial No. 600,741, Jan. 8. Class 18.
Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y. Refined flour sulphur. Serial No. 576,157, Jan. 8. Class 6.
Sovereign Importers, Ltd., New York, N. Y. Brandy. Serial No. 609,498, Jan. 8. Class 49.
Spincraft, Inc., Milwaukee, Wis., by change of name from Milwaukee Metal Spinning Company. Spinning metal parts from flat sheet metal on customer's order. Serial No. 507,921, Jan. 8. Class 106.
Spratling, William, Taxco, Gro., Mexico. Pocket knives, hunting knives, meat, fruit and butter knives, etc. Serial No. 602,922, Jan. 8. Class 23.
Squibb, E. R., & Sons, New York, N. Y. Antibiotic-containing antibacterial preparation. Serial No. 611,248, Jan. 8. Class 18.
Squibb, E. R., & Sons, New York, N. Y. Estrogenic-hormone preparation. Serial No. 611,381, Jan. 8. Class 18.
Stockyards Packing Co. Inc., Chicago, Ill. Beef steaks. Serial No. 608,049, Jan. 8. Class 46.
Stuhmer, Geo. F., & Company, Brooklyn, N. Y. Bakery products. Serial No. 596,300, Jan. 8. Class 46.
Suffolk Peanut Company, The, Suffolk, Va. Raw unshelled peanuts. Serial No. 605,380, Jan. 8. Class 46.
Sunnydale Ice Cream Co. Inc., Brooklyn, N. Y. Bulk ice cream and ice cream novelties. Serial No. 568,007, Jan. 8. Class 46.
Sunstripe Corporation, Rochester, N. Y. Volumetric glassware for laboratory use. Serial No. 618,766, Jan. 8. Class 26.
Swift & Company, Chicago, Ill., doing business as Iowa Packing Company, Division of Swift & Company, Des Moines, Iowa. Bacon. Serial No. 600,311, Jan. 8. Class 46.
Tame Shoe Corporation, New York, N. Y. Shoes. Serial No. 551,829, Jan. 8. Class 39.
Televex Company: *See*—
Epstein, Sol.
Thompson, John R., Co., Chicago, Ill. Restaurant services. Serial No. 615,420, Jan. 8. Class 100.
Tip Top Ice Cream Company (Wellington) Limited, Waterloo Quay, Wellington, New Zealand. Water ices, and ice cream in bulk and in various frozen shapes and forms. Serial No. 583,058, Jan. 8. Class 46.
Tobal Products Inc., Chicago, Ill. Rodenticide. Serial No. 615,614, Jan. 8. Class 6.
Tool Crib, The: *See*—
Wilson, Aubrey.
Trimfoot Company, Farmington, Mo. Shoes. Serial No. 608,839, Jan. 8. Class 39.
Tupper, L. J., doing business under the name and style of Mapleton Cheese Factory, Oconomowoc, Wis. Cheese. Serial No. 613,617, Jan. 8. Class 46.
Tupper Shoes, Inc., New York, N. Y. Ladies' shoes. Serial No. 613,351, Jan. 8. Class 39.
Unimatic Corporation, Nutley, N. J. Electrical cable connectors. Serial No. 614,524, Jan. 8. Class 21.
Union Trading Company Ltd., Basel, Switzerland. Knives, spoons, forks, etc. Serial No. 586,372, Jan. 8. Class 23.
United Motor Courts, Incorporated, Pasadena, Calif., and Denver, Colo. Provision and maintenance of lodgings and other motor court and motel accommodations. Serial No. 550,632, Jan. 8. Class 100.
United States Department of Agriculture, Washington, D. C. Carcasses of beef, lamb, veal, etc. Serial No. 613,095, Jan. 8. Class 46.
Vaca Foods, Inc., Chicago, Ill. Preserved sea foods. Serial No. 571,305, Jan. 8. Class 46.
Vacuum Products Corporation, Newark, N. J. Insulated vacuum bottle. Serial No. 611,318, Jan. 8. Class 2.
Verga, Frank, Moss Landing, assignor to Santa Cruz Canning Company, San Francisco, Calif. Canned sardines. Serial No. 580,385, Jan. 8. Class 46.
Vineland Poultry Laboratories, Landis Township, Cumberland County, N. J. Veterinary medicine. Serial No. 611,388, Jan. 8. Class 18.
Wagner Fur, Inc., New York, N. Y. Furred skins. Serial Nos. 600,710–11, Jan. 8. Class 1.
Wasser, Kay & Phillips, Inc., Pittsburgh, Pa. Exposed motion picture films. Serial No. 609,826, Jan. 8. Class 26.
Weiner, Martin, Corp., New York, N. Y., and Clifton, N. J. Textile fabrics in the piece. Serial No. 614,113, Jan. 8. Class 42.
Wells Lamont Corporation, Chicago, Ill. Work gloves. Serial No. 580,388, Jan. 8. Class 39.
West Disinfecting Company, Long Island City, N. Y. Floor wax. Serial No. 611,821, Jan. 8. Class 16.
Whirlaway Egg Washer Company, assignee: *See*—
Paden, C. Gilbert.
White, Thomas A., doing business as The Pioneer Welding-Bit Works, Quanah, Tex. Bits for drilling wells. Serial No. 609,671, Jan. 8. Class 23.

Whitehouse Products, Inc., Brooklyn, N. Y. Cameras, flash attachments and camera cases. Serial No. 599,203, Jan. 8. Class 26.
Wilkening Manufacturing Company, Philadelphia, Pa. Piston rings. Serial No. 599,043, Jan. 8. Class 35.
Willig, John H., doing business as Celwa Products Co., New York, N. Y. Paper pads and paper paddings, paper wadding pads and paper moulds, etc. Serial No. 589,819, Jan. 8. Class 37.
Wilson, Aubrey, doing business as The Tool Crib, Pasadena, Calif. Rental of tools and equipment. Serial No. 578,181, Jan. 8. Class 102.
Winer Manufacturing Co., Inc., Hammond, Ind. Men's outer jackets. Serial No. 600,637, Jan. 8. Class 39.
Winer Manufacturing Co., Inc., Hammond, Ind. Men's outer jackets. Serial Nos. 601,388–9, Jan. 8. Class 39.
Wolf Brothers, Inc., Philadelphia, Pa. Merchandise bags and merchandise envelopes. Serial No. 610,483, Jan. 8. Class 2.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Synthetic detergent compound. Serial No. 587,413, Jan. 8. Class 52.
Yankee Foods: *See*—
Horwitt, Nathan G.
Young, J. H., Company: *See*—
Young, James H.
Young, James H., doing business as J. H. Young Company, Pittsburgh, Pa. Canisters. Serial No. 603,655, Jan. 8. Class 2.
Zion Industries, Inc., Zion, Ill. Cookies. Serial No. 611,325, Jan. 8. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Oral preparation. 553,139, Jan. 8; Serial No. 604,829, published July 24, 1951. Class 18.
Aberle, Inc., Philadelphia, Pa. Women's hosiery. 553,003, Jan. 8; Serial No. 582,334, published Oct. 16, 1951. Class 39.
Abrash, Shulman Inc., Paterson, N. J. Fabrics in the piece. 553,236, Jan. 8; Serial No. 613,284, published Oct. 16, 1951. Class 42.
Addressograph-Multigraph Corporation, Cleveland, Ohio. Electrically operated printing machines. 553,110–12, Jan. 8; Serial Nos. 602,661–3, published Oct. 9, 1951. Class 21.
Addressograph-Multigraph Corporation, Cleveland, Ohio. Electrically operated machines. 553,113, Jan. 8; Serial No. 602,664, published Oct. 9, 1951. Class 21.
Addressograph-Multigraph Corporation, Cleveland, Ohio. Electrically operated printing machines. 553,114, Jan. 8; Serial No. 602,665, published Oct. 9, 1951. Class 21.
Ainsbrooke Co., Inc.: *See*—
Snyder, Lou L.
Akron Fruit Topping: *See*—
McCrosky, Ralston D.
Allbright-Nell Company, The, Chicago, Ill. Packing house equipment. 553,005, Jan. 8; Serial No. 583,069, published Sept. 25, 1951. Class 13.
All-Steel Equipment Inc., Aurora, Ill. Electrical boxes, concrete rings, etc. 552,945, Jan. 8; Serial No. 554,196, published Oct. 9, 1951. Class 21.
American Air Filter Company, Inc., Louisville, Ky. Air porous, sheet-like filter media. 553,028, Jan. 8; Serial No. 588,614, published Sept. 18, 1951. Class 31.
American Air Filter Company, Inc., Louisville, Ky. Air porous, sheet-like filter media. 553,031, Jan. 8; Serial No. 588,925, published Sept. 18, 1951. Class 31.
American Aniline Products, Inc., New York, N. Y. Defoaming agents. 553,177, Jan. 8; Serial No. 606,744, published Oct. 9, 1951. Class 6.
American Crayon Company, The, Sandusky, Ohio. Thermosetting colored coating composition. 552,950, Jan. 8; Serial No. 556,614, published Sept. 4, 1951. Class 16.
American Drug & Chemical Co., Minneapolis, Minn. White disinfectant and preservative gaseous disk. 553,054, Jan. 8; Serial No. 595,816, published Oct. 9, 1951. Class 6.
American Furniture Sales Company, Cleveland, Ohio. Advertising pieces and literature. 553,150, Jan. 8; Serial No. 605,344, published Oct. 2, 1951. Class 38.
American Gas Machine Company, Albert Lea, Minn. Portable ice boxes. 552,925, Jan. 8; Serial No. 514,679, published Sept. 4, 1951. Class 31.
American Laundry Machinery Company, The, Cincinnati, Ohio. Commercial laundry machinery or apparatus. 553,091, Jan. 8; Serial No. 600,249, published Oct. 16, 1951. Class 24.
American Laundry Machinery Company, The, Cincinnati, Ohio. Laundry machinery. 553,275, Jan. 8; Serial No. 593,047. Class 24.
American Silver Company, Inc., Flushing, N. Y. Transparent rubber-free resinous plastic composition. 553,013, Jan. 8; Serial No. 585,504, published Feb. 13, 1951. Class 16.
American Standard Mfg. Co., Chicago, Ill. Mops, mop heads, and mop swabs. 553,057, Jan. 8; Serial No. 596,703, published Aug. 7, 1951. Class 29.
American Stores Company, Philadelphia, Pa. Pie crust mix. 553,179, Jan. 8; Serial No. 606,842, published Aug. 14, 1951. Class 46.
American Trade Publishing Company, New York, N. Y. Periodical. 553,180, Jan. 8; Serial No. 606,845, published Oct. 2, 1951. Class 38.
American Writing Paper Company, to American Writing Paper Corporation, Holyoke, Mass. Writing-paper. 84,804, re-renewed Jan. 9, 1952. O. G. Jan. 8. Class 37.
American Writing Paper Company, to American Writing Paper Corporation, Holyoke, Mass. Writing-paper. 85,030, re-renewed Jan. 23, 1952. O. G. Jan. 8. Class 37.
American Writing Paper Corporation: *See*—
American Writing Paper Company.
Anchor Webbing Company, Woonsocket, to Anchor Webbing Company, Pawtucket, R. I. Silk, cotton, worsted, and linen tapes, galloons, binding, etc. 85,544, re-renewed Feb. 17, 1952. O. G. Jan. 8. Class 40.
Andrew Johnson, Knudtzon Ltd., Hull, England. Kippered fish. 553,070, Jan. 8; Serial No. 598,421, published Oct. 23, 1951. Class 46.
Ardath Tobacco Company, Limited: *See*—
Levy, Albert.
Aristocrat Leather Products, Inc., New York, N. Y. Wallets and billfolds. 553,274, Jan. 8; Serial No. 592,595. Class 3.
Armour and Company, Chicago, Ill. Pork sausage. 552,929, Jan. 8; Serial No. 529,859, published Oct. 9, 1951. Class 46.
Armour and Company, Chicago, Ill. Sole leather. 552,935–6, Jan. 8; Serial Nos. 543,387–8, published Oct. 23, 1951. Class 1.
Arthur-Lloyd Corp., The, New York, N. Y. Door interviewers. 552,951, Jan. 8; Serial No. 559,271, published Oct. 9, 1951. Class 26.
Artloom Carpet Co., Inc., Philadelphia, Pa. Textile carpets and rugs. 553,140, Jan. 8; Serial No. 604,830, published Oct. 16, 1951. Class 42.
Ashland Products Co., Inc., New York, N. Y. Window curtains. 553,286, Jan. 8; Serial No. 602,996. Class 42.
Asquith Associates: *See*—
Asquith, Bennett.
Asquith Associates, Inc., assignee: *See*—
Asquith, Bennett.
Asquith, Bennett, doing business as Asquith Associates, assignor to Asquith Associates, Inc., Boston, Mass. Electric fans. 444,639, Jan. 8; Serial No. 522,550, published Dec. 9, 1947. Class 21.
Associated Door and Plywood Company, Chicago, Ill. Doors, windows, complete window units, etc. 553,176, Jan. 8; Serial No. 606,691, published Aug. 28, 1951. Class 12.
Associated Merchandising Corporation, The, New York, N. Y. Electric lamp shades. 553,228, Jan. 8; Serial No. 610,537, published Oct. 9, 1951. Class 21.
Atlas Mineral Products Company of Pennsylvania, The, Mertztown, Pa. Corrosion resistant cement. 553,217, Jan. 8; Serial No. 609,068, published Aug. 28, 1951. Class 12.
Aug. Stenman Aktiebolag, Eskilstuna, Sweden. Door locksets. 553,235, Jan. 8; Serial No. 611,751, published Oct. 16, 1951. Class 25.
Automatic Pump & Softener Corporation, Rockford, Ill. Multiple port valves. 552,986, Jan. 8; Serial No. 574,812, published Dec. 5, 1950. Class 13.
B. C. Tree Fruits Limited, Kelowna, British Columbia, Canada. Fresh fruits. 553,086, Jan. 8; Serial No. 599,923, published Aug. 28, 1951. Class 46.
B. C. Tree Fruits Limited, Kelowna, British Columbia, Canada. Fresh apples. 553,131, Jan. 8; Serial No. 604,063, published Sept. 18, 1951. Class 46.
Bacharach Industrial Instrument Company, Pittsburgh, Pa. Testing instruments. 552,975, Jan. 8; Serial No. 570,038, published Oct. 9, 1951. Class 26.
Baker-Roos, Inc., Indianapolis, Ind. Adjustable shores. 553,184, Jan. 8; Serial No. 606,965, published Sept. 11, 1951. Class 12.
Balcrank, Inc.: *See*—
Brookins Manufacturing Company.
Ball Brassiere Co., Inc., New York, N. Y. Brassières and bandeaux. 553,151, Jan. 8; Serial No. 605,459, published Oct. 16, 1951. Class 39.
Bancroft, Joseph, & Sons Co., Wilmington, Del. Fabrics. 553,237, Jan. 8; Serial No. 613,395, published Oct. 16, 1951. Class 42.
Barnes Bros., Medford, Oreg. Fresh pears. 553,072, Jan. 8; Serial No. 598,569, published Oct. 23, 1951. Class 46.
Beard Builders, Stanton, Mich. Colored cement stone slabs. 553,158, Jan. 8; Serial No. 605,839, published Aug. 7, 1951. Class 12.

Beautex Plaster Co.: *See*
Beautex Plaster Manufacturing Company.

Beautex Plaster Manufacturing Company, doing business as Beautex Plaster Co., Lebanon, Pa. Plaster. 552,976, Jan. 8; Serial No. 570,284, published Aug. 28, 1951. Class 12.

Benet Drug Corporation, The, Cincinnati, Ohio. Preparation applied to the skin and the scalp. 553,191, Jan. 8; Serial No. 607,372, published Sept. 11, 1951. Class 18.

Bengtsson, Erik A., doing business as Dragspelstjänst, Stockholm, Sweden. Accordions, mouth organs, bandonions, etc. 552,960, Jan. 8; Serial No. 563,453, published Oct. 23, 1951. Class 36.

Best, Alfred M., Company, Inc., New York, N. Y. Magazine. 553,288, Jan. 8; Serial No. 605,138. Class 38.

Beta Theta Pi, New York, N. Y., to Beta Theta Pi, Oxford, Ohio. Fraternity badges, lapel buttons, etc. 287,743, renewed Oct. 6, 1951. O. G. Jan. 8. Class 28.

Billups Petroleum Company, Jackson, Greenwood, Clarksdale, Miss., and elsewhere. Fuel oil, illuminating oil, lubricating oil, etc. 384,774, Feb. 4, 1941. Republished Jan. 8. Class 15.

Billups Petroleum Company, Greenwood, Jackson, Clarksdale, Miss., and elsewhere. Fuel oil, illuminating oil, lubricating oil, etc. 389,883, Aug. 26, 1941. Republished Jan. 8. Class 15.

Billups Petroleum Company, Greenwood, Jackson, Clarksdale, Miss., and elsewhere. Fuel oil, illuminating oil, lubricating oil, etc. 391,180, Oct. 28, 1941. Republished Jan. 8. Class 15.

Bishop, G. H., Co., Chicago, Ill. Starching machines. 553,027, Jan. 8; Serial No. 588,363, published Oct. 16, 1951. Class 24.

Björneborgs Tändsticksfabriks Aktiebolag, Pori, Finland. Matches. 553,214, Jan. 8; Serial No. 608,740, published Oct. 9, 1951. Class 9.

Blue Gem Dresses, New York, N. Y. Women's dresses. 435,190, Dec. 16, 1947. Republished Jan. 8. Class 39.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics. 553,285, Jan. 8; Serial No. 602,240. Class 42.

Blumstein, A., Inc., New York, N. Y. Watches, watch movements, and parts thereof. 553,011, Jan. 8; Serial No. 584,792, published Sept. 25, 1951. Class 27.

Bokforlaget The Polyglot Club Schöldberg & Gustafsson: *See*
Schöldberg, Nils G. R.

Bolton Leathers Limited, Bolton, England. Leather in the piece. 553,022, Jan. 8; Serial No. 586,386, published July 17, 1951. Class 1.

Boner, Frank L., doing business as Lady Joan Laboratories, Reading, Pa. Sachet perfume. 552,962, Jan. 8; Serial No. 564,428, published Sept. 25, 1951. Class 51.

Bourjois, Inc., New York, N. Y. Perfume. 553,068, Jan. 8; Serial No. 597,663, published July 31, 1951. Class 51.

Boyd, William, Beverly Hills, Calif. Bed spreads, draperies, textile rugs, and bath mats. 553,167, Jan. 8; Serial No. 606,134, published Oct. 16. Class 42.

Brass-Craft Manufacturing Company, Detroit, Mich. Metal water pipe and tubing, pipe and tube fittings, etc. 552,931-2, Jan. 8; Serial Nos. 535,927-8, published Oct. 23, 1951. Class 13.

Briggs Manufacturing Co., Detroit, Mich. Vehicle bodies. 290,840, renewed Jan. 19, 1952. O. G. Jan. 8. Class 19.

Broadcasting Publications, Inc., Washington, D. C. Columns or sections of periodical publications. 552,949, Jan. 8; Serial No. 555,148, published Oct. 2, 1951. Class 38.

Brookins Manufacturing Company, Dayton, to Balcrank, Inc., Cincinnati, Ohio. Emergency liquid containers. 290,282, renewed Dec. 29, 1951. O. G. Jan. 8. Class 2.

Brooks, Burleigh, Co., New York, N. Y. Photographic lenses. 553,222, Jan. 8; Serial No. 609,586, published Oct. 2, 1951. Class 26.

Brownie Hinge & Specialties, Chicago, Ill. Hinges. 553,233, Jan. 8; Serial No. 611,638, published Oct. 23, 1951. Class 13.

Bruce's Juices, Inc., Tampa, Fla. Canned citrus fruit meats in juice. 444,635, Jan. 8; Serial No. 510,231, published Aug. 28, 1951. Class 46.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling alley combination cleaner and polish. 552,965, Jan. 8; Serial No. 565,230, published Sept. 18, 1951. Class 4.

Burlington Mills Corporation, Greensboro, N. C. Spun rayon and cotton fabric. 552,967, Jan. 8; Serial No. 566,119, published Oct. 16, 1951. Class 42.

Burlington Mills Incorporated, Burlington, Wis. Brief cases and hand luggage. 552,961, Jan. 8; Serial No. 563,899, published Oct. 9, 1951. Class 3.

Burrowes Corporation, The, Portland, Maine. Combination windows. 553,147, Jan. 8; Serial No. 605,195, published Sept. 11, 1951. Class 12.

Burrus Mills, Incorporated: *See*
Burrus Mill and Elevator Co.
Burrus Mill & Elevator Company, The.
Collin County Mill & Elevator Co.
Collin County Mill & Elevator Company.
Liberty Mills.
Morten Milling Company.
New Century Milling Company, The.

Burrus Mill and Elevator Co., to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 220,193, Nov. 2, 1926. New certificate. O. G. Jan. 8. Class 46.

Burrus Mill & Elevator Co., to Burrus Mills, Incorporated, Dallas, Tex. Stock feeds, poultry feeds, horse and mule feeds. 262,614, Oct. 15, 1949. New certificate. O. G. Jan. 8. Class 46.

Burrus Mill & Elevator Company, The, to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 50,479, Mar. 20, 1906. New certificate. O. G. Jan. 8. Class 46.

Burrus Mill & Elevator Company, The, to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 55,938, Aug. 21, 1906. New certificate. O. G. Jan. 8. Class 46.

Cabot Chemical Company, Los Angeles, Calif., now by change of name Riker Laboratories, Inc. Medicinal tablets. 552,996, Jan. 8; Serial No. 580,046, published Aug. 8, 1950. Class 18.

California Wire Products Co., Inc., Visalia, Calif. Wire staples. 553,029, Jan. 8; Serial No. 588,676, published Oct. 23, 1951. Class 13.

Camp, S. H., & Company, Jackson, Mich. Repair and adjustment service on anatomical supports. 553,238, Jan. 8; Serial No. 527,550, published Oct. 16, 1951. Class 103.

Candy Crafters, Inc., by Skyline, Inc., Lansdowne, Pa. Candy novelties. 364,034, Jan. 17, 1939. Republished Jan. 8. Class 46.

Carboloy Company, Inc., Detroit, Mich., now by merger General Electric Company. Permanent magnets and magnetic alloys and compositions. 553,188, Jan. 8; Serial No. 607,215, published Oct. 9, 1951. Class 21.

Carey, Clarence W., Palo Alto, Calif. Toothbrushes. 553,198, Jan. 8; Serial No. 607,929, published July 31, 1951. Class 29.

Carey-McFall Company, Philadelphia, Pa. Machine for the production of Venetian blind steel head channels, steel bottom rails, etc. 553,078, Jan. 8; Serial No. 599,082, published Oct. 9, 1951. Class 23.

Carrier Corporation, Syracuse, N. Y. Mechanical refrigeration apparatus and parts thereof. 553,097, Jan. 8; Serial No. 601,309, published Oct. 9, 1951. Class 31.

Carrier Corporation, Syracuse, N. Y.: Mechanical refrigeration apparatus and parts thereof. 553,098, Jan. 8; Serial No. 601,310, published Oct. 2, 1951. Class 31.

Carter's Ink Company, The, Cambridge, Mass. Temperal colors in liquid form used as an ink. 552,943, Jan. 8; Serial No. 551,524, published July 24, 1951. Class 11.

Casco Products Corporation, Bridgeport, Conn. Filled insecticide dispenser. 553,002, Jan. 8; Serial No. 582,271, published Sept. 18, 1951. Class 6.

Casco Products Corporation, Bridgeport, Conn. Hand held electric motor driven tool holders. 553,160, Jan. 8; Serial No. 605,991, published Oct. 23, 1951. Class 21.

Cates, Florine, Denver, Colo. Money belt. 553,201, Jan. 8; Serial No. 608,032, published Oct. 23, 1951. Class 3.

Certain-teed Products Corporation, Ardmore, Pa. Shingles. 553,106, Jan. 8; Serial No. 602,545, published Sept. 11, 1951. Class 12.

Certain-teed Products Corporation, Ardmore, Pa. Molding or casting plaster. 553,107, Jan. 8; Serial No. 602,546, published Sept. 11, 1951. Class 12.

Chagrin Falls Chemicals, Inc.: *See*—
General Biochemicals, Inc.

Chantilly Textile Corporation, New York, N. Y. Silk piece goods. 553,192, Jan. 8; Serial No. 607,577, published Oct. 16, 1951. Class 42.

Chase Turbine Mfg. Co., Orange, Mass. Sawdust blowers. 552,956, Jan. 8; Serial No. 562,320, published Sept. 18, 1951. Class 23.

Chemical Service of Baltimore, Baltimore, Md. Floor wax. 553,152, Jan. 8; Serial No. 605,466, published Sept. 18, 1951. Class 16.

Chemical Service of Baltimore, Baltimore, Md. Floor wax. 553,153, Jan. 8; Serial No. 605,578, published Sept. 4, 1951. Class 16.

Chesebro-Whitman Company, Long Island City, N. Y. Stepladders. 553,202, Jan. 8; Serial No. 608,267, published Sept. 25, 1951. Class 50.

Children's Hospital of Philadelphia, The, Philadelphia, Pa. Serums. 553,016, Jan. 8; Serial No. 585,830, published Sept. 11, 1951. Class 18.

Chi-Namel Paint & Varnish Co., The: *See*—
Minnesota Linseed Oil Paint Company.
Minnesota Paints, Inc.

Chipman's Chas., Sons, Easton and Selinsgrove, Pa., by Chas. Shipman's Sons Co., Inc., New York, N. Y. Hosiery. 83,393, Sept. 12, 1911. Republished Jan. 8. Class 39.

Chipman's, Chas., Sons Co., Inc.: *See*—
Chipman's, Chas., Sons.

Claster, Bertram H., Baltimore, Md. Advertising the goods and services of sponsors. 553,248, Jan. 8; Serial No. 593,470, published Oct. 23, 1951. Class 101.

Clayton, Inc., Baltimore, Md. Ladies' and girls' hosiery. 553,268, Jan. 8; Serial No. 582,416. Class 39.

Coast Maid Paper Products Co., Los Angeles, Calif. Drinking straws. 553,009, Jan. 8; Serial No. 584,386, published Sept. 25, 1951. Class 50.

Coast Paint & Chemical Company, Los Angeles, Calif. Ready mixed oil and synthetic paints; etc. 552,922, Jan. 8; Serial No. 499,824, published Oct. 2, 1951. Class 16.

Coating Materials Laboratories, Inc., Belleville, N. J. Paints, lacquers, paint enamels, etc. 553,104, Jan. 8; Serial No. 601,864, published Sept. 11, 1951. Class 16.

Coleman-Pettersen Corporation, Cleveland, Ohio. Air duct sterilizer units. 552,941, Jan. 8; Serial No. 550,122, published Oct. 16, 1951. Class 21.

Collin County Mill & Elevator Co., to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 182,035, April 1, 1924. New certificate. O. G. Jan. 8. Class 46.

Collin County Mill & Elevator Co., to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 182,644, April 15, 1924. New certificate. O. G. Jan. 8. Class 46.

Collin County Mill & Elevator Co., to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 241,804-5, May 8, 1928. New certificate. O. G. Jan. 8. Class 46.

Collin County Mill & Elevator Co., to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 242,469, May 22, 1928. New certificate. O. G. Jan. 8. Class 46.

Collin County Mill & Elevator Co., McKinney, to Burrus Mills, Incorporated, Dallas, Tex. Poultry and stock feed. 289,229, renewed Nov. 24, 1951. O. G. Jan. 8. Class 46.

Collin County Mill & Elevator Co., to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 342,809, Feb. 2, 1937. New certificate. O. G. Jan. 8. Class 46.

Collin County Mill & Elevator Company, to Burrus Mills, Incorporated, Dallas, Tex. Wheat-flour. 52,194, May 1, 1906. New certificate. O. G. Jan. 8. Class 46.

Collord, Incorporated, Detroit, Mich. Grommets. 553,036, Jan. 8; Serial No. 590,352, published Oct. 16, 1951. Class 13.

Colormatic Co. of America, Kansas City, Mo. Photographic cameras, photographic dark rooms, etc. 552,970, Jan. 8; Serial No. 569,191, published Oct. 9, 1951. Class 26.

Columbia Mills, Inc., The, Syracuse, N. Y. Storm windows. 553,148, Jan. 8; Serial No. 605,199, published Aug. 7, 1951. Class 12.

Commercial Solvents Corporation, New York, N. Y. Inositol hexanitrate composition. 553,062, Jan. 8; Serial No. 597,253, published July 31, 1951. Class 18.

Commercial Solvents Corporation, New York, N. Y. Compositions comprising streptomycin and glucuronolactone. 553,071, Jan. 8; Serial No. 598,522, published July 24, 1951. Class 18.

Commodore Record Co., Inc., New York, N. Y. Mechanically grooved phonograph records. 552,926, Jan. 8; Serial No. 518,717, published Oct. 23, 1951. Class 36.

Compagnie Generale d'Electricite, Paris, France. Electric generators and motors, electric batteries and accumulators, etc. 553,193, Jan. 8; Serial No. 607,580, published Oct. 9, 1951. Class 21.

Compagnie Generale Transatlantique, Paris, France, and New York, N. Y. Transportation of passengers and freight. 553,247, Jan. 8; Serial No. 589,379, published Oct. 16, 1951. Class 105.

Cone Export and Commission Company, to Cone Export and Commission Co., Inc., New York, N. Y. Cotton goods in the piece. 291,017, renewed Jan. 26, 1952. O. G. Jan. 8. Class 42.

Cone Export and Commission Co., Inc.: *See*—
Cone Export and Commission Company.

Consolidated Cosmetics, Chicago, Ill. Lipstick, rouge, face powder and mascara. 553,196, Jan. 8; Serial No. 607,798, published Sept. 25, 1951. Class 51.

Continental Bus System, Inc., Dallas, Tex. Transportation of passengers, baggage, express, etc. 553,242, Jan. 8; Serial No. 548,799, published Oct. 16, 1951. Class 105.

Continental Steel Corporation, Kokomo, Ind. Reeled barbed wire. 552,938, Jan. 8; Serial No. 545,091, published Oct. 23, 1951. Class 13.

Cookson Company, The, San Francisco, Calif. Steel rolling fire doors. 553,226, Jan. 8; Serial No. 610,257, published Aug. 28, 1951. Class 12.

Cooperative Citrus Association: *See*—
Exeter Orange Growers Association.

Cooper's Incorporated, Kenosha, Wis. Underwear, hosiery, sport shirts, etc. 553,039, Jan. 8; Serial No. 592,195, published Oct. 16, 1951. Class 39.

Coppes, Inc., Nappanee, Ind. Custom-built kitchen equipment. 553,293, Jan. 8; Serial No. 607,006. Class 32.

Cordele Hosiery Mills, Incorporated, Cordele, Ga. Ladies' hosiery. 553,181, Jan. 8; Serial No. 606,853, published Oct. 16, 1951. Class 39.

Corman Leather Company, Inc., Chelsea, Mass. Boot and shoe heels. 553,260, Jan. 8; Serial No. 560,549. Class 39.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical condensers. 553,234, Jan. 8; Serial No. 611,686, published Oct. 9, 1951. Class 21.

Cotwool Manufacturing Corporation, The: *See*—
Madison Woolen Company.

Country Stores Brands, Inc., Chicago, Ill. Ready mixed oil paint. 552,947, Jan. 8; Serial No. 555,055, published Sept. 4, 1951. Class 16.

Country Stores Brands, Inc., Chicago, Ill. Ready mixed oil paint. 552,948, Jan. 8; Serial No. 555,056, published Sept. 18, 1951. Class 16.

Crane Co., Chicago, Ill. Globe and check valves. 287,818, renewed Oct. 13, 1951. O. G. Jan. 8. Class 13.

Crane, Sigmund, New York, N. Y. Absorbent pads for use as diapers. 553,115, Jan. 8; Serial No. 603,002, published Oct. 16, 1951. Class 39.

Crispo Biscuit Company, Inc., Clifton, N. J. Wafers, cakes, crackers, and biscuits. 553,040, Jan. 8; Serial No. 592,311, published Sept. 11, 1951. Class 46.

Croyden Leather Products, Inc., New York, N. Y. Wallets or billfolds. 553,218, Jan. 8; Serial No. 609,078, published Oct. 23, 1951. Class 3.

Darling & Company, Chicago, Ill. Stearic acid. 291,937, renewed Feb. 23, 1952. O. G. Jan. 8. Class 6.

Davis, A., & Sons, Inc., New York, N. Y. Ladies' and misses' coats and suits. 553,295, Jan. 8; Serial No. 610,046. Class 39.

Defiance Manufacturing Company, Inc., Los Angeles, Calif. Luminous fluorescent signs and displays and parts thereof. 553,100, Jan. 8; Serial No. 601,538, published Oct. 9, 1951. Class 21.

Delron Company, Inc., The, Los Angeles, Calif. Lock-nuts and bolts. 553,207, Jan. 8; Serial No. 608,496, published Oct. 23, 1951. Class 13.

Delsoy Distributors, assignee: *See*—
Delsoy Products, Inc.

Delsoy Products, Inc., assignor to Delsoy Distributors, Dearborn, Mich. Cream food product. 552,993, Jan. 8; Serial No. 579,586, published Sept. 11, 1951. Class 46.

De Soto Paint & Varnish Co., Memphis, Tenn. Paint products. 553,155-6, Jan. 8; Serial Nos. 605,635-6, published Sept. 4, 1951. Class 16.

Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Ready-mixed self-leveling flat paint. 552,952, Jan. 8; Serial No. 559,466, published Sept. 25, 1951. Class 16.

Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Ready-mixed paints. 552,953, Jan. 8; Serial No. 559,467, published Sept. 25, 1951. Class 16.

Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Pigmented oleo-resinous paints and air drying paint enamels. 552,954, Jan. 8; Serial No. 559,468, published Sept. 25, 1951. Class 16.

Diamond Alkali Company, Cleveland, Ohio. Employees' publication. 553,079, Jan. 8; Serial No. 599,086, published Oct. 2, 1951. Class 38.

Diamond Sales Corporation, New York, N. Y. Children's magazine. 553,077, Jan. 8; Serial No. 598,897, published Oct. 2, 1951. Class 38.

Dick, A. B., Company, Niles, Ill. Planographic printing machines. 553,211, Jan. 8; Serial No. 608,652, published Oct. 9, 1951. Class 23.

Dill Company, The, Norristown, Pa. Medical preparation. 553,033, Jan. 8; Serial No. 589,307, published July 24, 1951. Class 18.

Dining Car Coffee Company: *See*—
Johnson-Allen Coffee Co.

Donel Foundations, New York, N. Y. Women's underwear and foundation garments. 444,633, Jan. 8; Serial No. 500,373, published Oct. 16, 1951. Class 39.

Douglas Chemical Corporation, The, Evanston, Ill. Sedative. 553,012, Jan. 8; Serial No. 585,316, published July 31, 1951. Class 18.

Dragspelstjänst: *See*—
Bengtsson, Erik A.

Draper Brothers Company, Canton, Mass. Pile fabrics. 553,126, Jan. 8; Serial No. 603,774, published Oct. 16, 1951. Class 42.

Drucker, August E., to Plough Sales Corporation of California, San Francisco, Calif. Tooth powder. 84,730, re-renewed Jan. 2, 1952. O. G. Jan. 8. Class 51.

Duffy-Mott Company, Inc., New York, N. Y. Apple products. 290,642, renewed Jan. 12, 1952. O. G. Jan. 8. Class 46.

Du Pont, E. I., de Nemours and Company, assignee: *See*—
Ross & Roberts, Inc.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Textile fabrics. 553,041, Jan. 8; Serial No. 592,482, published Jan. 30, 1951. Class 42.

Eagle Stamp Company, St. Louis, Mo. Trading stamps, discount stamps, printed tokens, etc. 553,219-20, Jan. 8; Serial Nos. 609,080-1, published Oct. 16, 1951. Class 38.

Eastern Color Printing Company, The, doing business under the name Famous Funnies Publications, Waterbury, Conn. Comic magazines, stories in text and pictorial form, etc. 553,273, Jan. 8; Serial No. 590,263. Class 38.

Editorial Dante Quinterno, Sociedad Anonima, Buenos Aires, Argentina. Weekly publication. 553,134, Jan. 8; Serial No. 604,557, published Oct. 16, 1951. Class 38.

Elsinger, Louis S., Atlanta, Ga., assignor to The Show Off Corporation, Dover, Del. Dog collars. 553,146, Jan. 8; Serial No. 605,092, published Oct. 9, 1951. Class 3.

Emil Greiner Company, The, New York, N. Y. Surface active agent for cleaning glassware and utensils. 553,116, Jan. 8; Serial No. 603,059, published Oct. 2, 1951. Class 52.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial bait. 287,806, renewed Oct. 13, 1951. O. G. Jan. 8. Class 22.

Enterprise Manufacturing Company, The, Akron, Ohio. Fish lines. 289,901, renewed Dec. 15, 1951. O. G. Jan. 8. Class 22.

Etienne, Myron E., Beverly Hills, Calif. Investment counseling. 553,243, Jan. 8; Serial No. 554,965, published Oct. 16, 1951. Class 100.

Exeter Orange Growers Association, also doing business as Cooperative Citrus Association, Exeter, Calif. Fresh citrus fruits. 552,946, Jan. 8; Serial No. 554,967, published Oct. 2, 1951. Class 46.

Fairbanks, Robert M., Bradenton, Fla. Portable electric broilers. 553,069, Jan. 8; Serial No. 598,415, published Oct. 9, 1951. Class 21.

Famous Funnies Publications: *See*—
Eastern Color Printing Company, The.

Farrar's Date Gardens, Indio, Calif. Fresh dates. 553,291, Jan. 8; Serial No. 606,286. Class 46.

Felca S. A., Grenchen, Switzerland. Watches and clocks. 553,183, Jan. 8; Serial No. 606,938, published Sept. 27, 1951. Class 27.

Fibre-Board Products Inc., San Francisco, Calif. Containers and receptacles and parts thereof. 290,165, renewed Dec. 22, 1951. O. G. Jan. 8. Class 2.

Fibre Metal Products Company, The, Chester, Pa. Welding helmets, welding hand shields, etc. 553,124, Jan. 8; Serial No. 603,521, published Oct. 2, 1951. Class 26.

Fir Door Institute, Tacoma, Wash. Fir doors. 553,254, Jan. 8; Serial No. 603,780, published Aug. 28, 1951. Class 12.

Firestone Battery Company, to The Firestone Tire & Rubber Company, Akron, Ohio. Spark plugs. 284,346, renewed June 23, 1951. O. G. Jan. 8. Class 21.

Firestone Battery Company, to The Firestone Tire & Rubber Company, Akron, Ohio. Spark plugs. 285,733, renewed Aug. 4, 1951. O. G. Jan. 8. Class 21.

Firestone Tire & Rubber Company, The: *See*—
Firestone Battery Company.

Fischer Baking Company, Newark, N. J. Bread. 553,084, Jan. 8; Serial No. 599,822, published Oct. 23, 1951. Class 46.

Fisher Flouring Mills Company, Seattle, to Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 287,945, renewed Oct. 20, 1951. O. G. Jan. 8. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, to Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 289,704, renewed Dec. 1, 1951. O. G. Jan. 8. Class 46.

Folger, J. A., & Company, Kansas City, Mo. Monthly publication. 553,215, Jan. 8; Serial No. 608,793, published Oct. 16, 1951. Class 38.

Food Machinery and Chemical Corporation: *See*—
Food Machinery Corporation.

Food Machinery Corporation, San Jose, Calif., and Middleport, N. Y., now by change of name Food Machinery and Chemical Corporation, San Jose, Calif. Insecticidal composition. 444,640, Jan. 8; Serial No. 522,853, published Jan. 31, 1950. Class 6.

Food Sales Publishing Company: *See*—
Schere, Irving S.

Foremost Dairies, Inc., Jacksonville, Fla. Ice cream bars. 553,159, Jan. 8; Serial No. 605,948, published Sept. 11, 1951. Class 46.

Forestal Land, Timber and Railways Company Limited, The, London, England, by La Forestal Argentina Sociedad Anonima de Tierras, Maderas y Explotaciones Comerciales e Industriales, Buenos Aires, Argentina. Tanning extracts. 287,145, Sept. 15, 1931. Republished Jan. 8. Class 6.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 287,448–52, renewed Sept. 29, 1951. O. G. Jan. 8. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 288,268–69, renewed Oct. 20, 1951. O. G. Jan. 8. Class 42.

Forstmann Woolen Co.: *See*
Forstmann & Huffmann Company.

Forstner Chain Corporation, Irvington, N. J. Jewelry. 552,994, Jan. 8; Serial No. 579,812, published Sept. 25, 1951. Class 28.

Franciscan Fathers of the Province of Our Lady of Consolation, Inc., The, Louisville, Ky. Magazine. 552,984, Jan. 8; Serial No. 573,420, published Oct. 16, 1951. Class 38.

Frank Sale Service, Inc.: *See*—
Stroeck, Franklin C.

French Sardine Company of California, The, Terminal Island, Calif. Canned fish. 553,014, Jan. 8; Serial No. 585,581, published Oct. 9, 1951. Class 46.

Fujii Junichi Shoten, Limited, Honolulu, Hawaii. Canned prepared top-shell. 553,093, Jan. 8; Serial No. 600,428, published Sept. 18, 1951. Class 46.

GHN Neon Co., Culver City, Calif. Electric signs and transformers. 553,170, Jan. 8; Serial No. 606,291, published Sept. 25, 1951. Class 21.

Gafco Co. Inc., New York, N. Y. Fur pelts, plates, and trimmings. 536,111, Jan. 9, 1951. Corrected. O. G. Jan. 8. Class 39.

Gallenkamp Stores Co., Los Angeles, Calif. Shoes. 553,266, Jan. 8; Serial No. 578,013. Class 39.

Geigy Company, Inc., New York, N. Y. Antirheumatic, analgesic, antipyretic preparation. 553,145, Jan. 8; Serial No. 605,024, published July 31, 1951. Class 18.

General Biochemicals, Inc., now by change of name Chagrin Falls Chemicals, Inc., assignors, by mesne assignments, to General Biochemicals, Inc. (1951), Chagrin Falls, Ohio. Detergent. 553,087, Jan. 8; Serial No. 599,939, published Oct. 2, 1951. Class 52.

General Biochemicals, Inc. (1951): *See*—
General Biochemicals, Inc.

General Electric Company: *See*—
Carboloy Company, Inc.

General Paint Corporation, San Francisco, Calif. Color concentrates to be mixed with paints. 553,129, Jan. 8; Serial No. 603,920, published Sept. 25, 1951. Class 16.

General Paint Corporation of Canada Limited, Vancouver, British Columbia, Canada. Enamels. 553,109, Jan. 8; Serial No. 602,611, published Sept. 18, 1951. Class 16.

Gidumal and Sons: *See*—
Gidumal, Hira.

Gidumal, Hira, doing business as Gidumal and Sons, New York, N. Y. Woolen, silk, nylon, rayon, and cotton piece goods. 552,990, Jan. 8; Serial No. 576,861, published Oct. 16, 1951. Class 42.

Glenforres Glenlivet Distillery Co., Limited, Burnside and Leith, Scotland, and London, England, to William Whiteley & Co. Inc., Newark, N. J. Scotch whiskey. 292,528, renewed Mar. 15, 1952. O. G. Jan. 8. Class 49.

Glenwood Range Company, Taunton, Mass. Electric refrigerators. 553,231, Jan. 8; Serial No. 610,963, published Sept. 18, 1951. Class 31.

Goldberg, Carl, Inc., New York, N. Y. Ladies' coats and suits. 553,262, Jan. 8; Serial No. 569,152. Class 39.

Goldfarb Bros., New York, N. Y. Cotton fabrics. 553,143, Jan. 8; Serial No. 604,966, published Oct. 16, 1951. Class 42.

Good Humor Corporation, Brooklyn, N. Y. Frozen confection bars. 553,085, Jan. 8; Serial No. 599,869, published Sept. 11, 1951. Class 46.

Goodman & Theise Inc., New York, N. Y. Fabrics in the piece. 553,053, Jan. 8; Serial No. 595,499, published Oct. 16, 1951. Class 42.

Goodrich, B. F., Chemical Company: *See*—
Goodrich, B. F., Company, The.

Goodrich, B. F., Company, The, doing business as B. F. Goodrich Chemical Company, New York, N. Y., and Akron and Cleveland, Ohio. Organic chemicals. 552,997, Jan. 8; Serial No. 580,192, published July 31, 1951. Class 6.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Elastic vehicle-tires. 85,434, re-renewed Feb. 20, 1952. O. G. Jan. 8. Class 35.

Gornbein, Samuel B., Los Angeles, Calif. Printed publication. 553,095, Jan. 8; Serial No. 600,774, published Oct. 2, 1951. Class 38.

Gould, Barbara, Inc.: *See*—
Gould, Baroara, Ltd.

Gould, Barbara, Ltd., to Barbara Gould, Inc., New York, N. Y. Face powder, etc. 292,296, renewed Mar. 8, 1952. O. G. Jan. 8. Class 51.

Graves Brothers Co., Wabasso, Fla. Fresh citrus fruits. 553,223, Jan. 8; Serial No. 609,646, published Oct. 23, 1951. Class 46.

Great Lakes Carbon Corporation, New York, N. Y. Filter aid. 553,044, Jan. 8; Serial No. 593,408, published Sept. 4, 1951. Class 31.

Green, A. P., Fire Brick Company, Mexico, Mo. Fire brick. 553,154, Jan. 8; Serial No. 605,583, published Aug. 28, 1951. Class 12.

Greenbaum, Jack, New York, N. Y. Ladies' handbags. 553,205, Jan. 8; Serial No. 608,455, published Oct. 23, 1951. Class 3.

Growers & Packers Cooperative Canning Co., Inc., North Collins, N. Y. Frozen berries, canned vegetables, canned berries, etc. 553,221, Jan. 8; Serial No. 609,297, published Oct. 2, 1951. Class 46.

Haas, Baruch & Co., Los Angeles, Calif. Oleomargarine, cottonseed oil, and shortening. 553,059, Jan. 8; Serial No. 596,917, published Oct. 23, 1951. Class 46.

Haire Publishing Company, New York, N. Y. Periodical. 553,297, Jan. 8; Serial No. 611,841. Class 38.

Halo-Star Corporation, Oak Park, Ill. Candy. 553,043, Jan. 8; Serial No. 593,000, published Sept. 11, 1951. Class 46.

Hamilton Dwight Company, Inc., New York, N. Y. Water color paint. 553,123, Jan. 8; Serial No. 603,449, published Sept. 25, 1951. Class 16.

Hanes Hosiery Mills Company, Winston-Salem, N. C., and New York, N. Y. Ladies' hosiery. 553,282, Jan. 8; Serial No. 600,265. Class 39.

Hanna Paint Manufacturing Co., The, Columbus, Ohio. Ready-mixed interior and exterior paints, paint enamel, varnish, etc. 552,982, Jan. 8; Serial No. 572,738, published Sept. 25, 1951. Class 16.

Hardwood Products Corporation, Neenah, Wis. Soundproof doors. 553,213, Jan. 8; Serial No. 608,704, published Aug. 28, 1951. Class 12.

Hat Corporation of America, Norwalk, Conn. Periodical. 553,289, Jan. 8; Serial No. 605,419. Class 38.

Hays Corporation, The, Michigan City, Ind. Electronic type recorder or indicator. 552,959, Jan. 8; Serial No. 563,407, published Oct. 2, 1951. Class 26.

Hazel-Atlas Glass Company, Wheeling, W. Va. Closures for receptacles. 553,050, Jan. 8; Serial No. 595,256, published Sept. 25, 1951. Class 50.

Hecht Company, The, Washington, D. C. Golf balls. 553,284, Jan. 8; Serial No. 601,039. Class 22.

Heller, B., & Company, Chicago, Ill. Cleaner and lubricant. 553,051, Jan. 8; Serial No. 595,320, published Oct. 9, 1951. Class 52.

Henri, Hurst & McDonald, Inc., Chicago, Ill. Advertising goods and services of others. 553,250, Jan. 8; Serial No. 596,423, published Oct. 2, 1951. Class 101.

Hercules Steel Products Corporation, doing business as Star Manufacturing Company, Galion, Ohio, and St. Louis, Mo. Commercial electrically heated, electrically operated apparatus. 552,957, Jan. 8; Serial No. 562,857, published Oct. 9, 1951. Class 21.

Hercules Steel Products Corporation, doing business as Star Manufacturing Company, Galion, Ohio. Electrically heated counter appliances. 552,981, Jan. 8; Serial No. 572,100, published Oct. 23, 1951. Class 21.

Heus, Irwin P., New Holstein, Wis. Propane gas. 553,301, Jan. 8; Serial No. 582,045. Class 8.

Hibbard, Spencer, Bartlett and Company, Evanston, Ill. Periodical. 553,197, Jan. 8; Serial No. 607,815, published Oct. 16, 1951. Class 38.

Hilton, G. C., doing business as Leech Products Company, Hutchinson, Kans. Liquid or fluid adhesive cement or glue. 306,505, Sept. 19, 1933. Republished Jan. 8. Class 5.

Hockaday, Inc., Chicago, Ill. Roof cement and calking cements. 553,200, Jan. 8; Serial No. 608,002, published Sept. 11, 1951. Class 12.

Holland-Nahas Import & Export Company, New York, N. Y. Ladies' hosiery. 552,955, Jan. 8; Serial No. 561,191, published Oct. 16, 1951. Class 39.

Hoosier Band Instrument Co. Inc., Elkhart, Ind. Musical instruments. 553,105, Jan. 8; Serial No. 602,399, published Oct. 23, 1951. Class 36.

Horton, Frederick B., South Manchester, Conn., by Lambert Pharmacal Company, St. Louis, Mo. Tooth powder. 36,845, July 30, 1901. Republished Jan. 8. Class 51.

Houser, Paul H., doing business as West Coast Trading Company, Los Angeles, Calif. Ceramic ready-mixed under-glaze, glaze, and over-glaze color coatings. 553,052, Jan. 8; Serial No. 595,377, published Sept. 4, 1951. Class 16.

Hudnut, Richard, New York, N. Y. Perfume. 553,080, Jan. 8; Serial No. 599,093, published Sept. 25, 1951. Class 51.

Hung, Tang Kuen, carrying on business under the name of Wang Yick Fireworks Company, Victoria, Hong Kong. Fireworks. 553,065, Jan. 8; Serial No. 597,362, published Oct. 9, 1951. Class 9.

Hunter Douglas Corporation, New York, N. Y. Wall tiles. 553,171, Jan. 8; Serial No. 606,381, published Aug. 28, 1951. Class 12.

Independent Protection Co. Inc., Goshen, Ind. Lightning prôtection apparatus. 553,125, Jan. 8; Serial No. 603,531, published Sept. 25, 1951. Class 21.

Independent Salmon Canneries, Inc., Seattle, Wash. Canned salmon. 553,168, Jan. 8; Serial No. 606,225, published Aug. 28, 1951. Class 46.

Interchemical Corporation, New York, N. Y. Varnishes and lacquers. 553,108, Jan. 8; Serial No. 602,557, published Sept. 25, 1951. Class 16.

International Non-Aristotelian Library Publishing Company: *See*—
Schuchardt, Charlotte.

International Standard Electric Corporation, New York, N. Y. Household refrigerators, refrigeration condensing units, electrical water coolers. 552,973, Jan. 8; Serial No. 569,702, published Sept. 18, 1951. Class 21.

Ireland & Taub Paper Company, Inc., New York, N. Y. Coated paper. 290,804, renewed Jan. 19, 1952. O. G. Jan. 8. Class 37.

Jackson-Mitchell Pharmaceuticals, Inc.: *See*—
Special Milk Products, Inc.

Johns-Manville Corporation, New York, N. Y. Plastic floor tile. 552,971, Jan. 8; Serial No. 569,207, published Sept. 11, 1951. Class 12.

Johnson-Allen Coffee Co., to Dining Car Coffee Company, St. Louis, Mo. Coffee. 85,446, re-renewed Feb. 20, 1952. O. G. Jan. 8. Class 46.

Johnson, S. C., & Son, Inc., Racine, Wis. Electric floor scrubbing and wax polishing machine. 553,280, Jan. 8; Serial No. 599,246. Class 21.

Keller Products, Inc., Cleveland, Ohio. Flexible sealing strips. 553,206, Jan. 8; Serial No. 608,459, published Sept. 11, 1951. Class 12.

Kelley, Farquhar & Co., Tacoma, Wash. Canned vegetables and canned fruits. 553,117, Jan. 8; Serial No. 603,065, published Aug. 7, 1951. Class 46.

Kimball, Ward W., San Gabriel, Calif. Entertainment services. 553,249, Jan. 8; Serial No. 595,896, published Oct. 23, 1951. Class 107.

Kinkade, Louise, Fremont, Nebr. Preparations for the hair. 552,998, Jan. 8; Serial No. 580,196, published Oct. 16, 1951. Class 52.

Kleinzway, Inc., Chicago, Ill. Cleaning of furs and fur garments. 553,253, Jan. 8; Serial No. 609,765, published Sept. 11, 1951. Class 103.

Knickerbocker Rubber Company, Chicago, Ill. Water faucet hose connections. 553,225, Jan. 8; Serial No. 610,179, published Oct. 23, 1951. Class 13.

Knit Products Corporation, Belmont, N. C. Ladies', men's, and children's hosiery. 553,118, Jan. 8; Serial No. 603,068, published Oct. 16, 1951. Class 39.

Kohnstamm, H., & Co., Inc., New York, N. Y. Food colors. 553,045, Jan. 8; Serial No. 593,417, published Sept. 11, 1951. Class 46.

Koppers Company, Inc.: *See*—
Koppers Products Company.

Koppers Products Company, to Koppers Company, Inc., Pittsburgh, Pa. Sulphur. 289,526, renewed Dec. 1, 1951. O. G. Jan. 8. Class 6.

Korzybski, Alfred: *See*—
Schuchardt, Charlotte.

Kwan Yick Fireworks Company: *See*—
Tong, Tang B.

Laboratoire Schoum: *See*—
Solution Schoum & Neutadrol.

Lady Ann Food Products, Chicago, Ill. Potato salad and coleslaw. 553,208, Jan. 8; Serial No. 608,502, published Oct. 23, 1951. Class 46.

Lady Joan Laboratories: *See*—
Boner, Frank L.

Lafayette Coal Company, Chicago, Ill. Coal. 553,073–6, Jan. 8; Serial Nos. 598,729–32, published Sept. 25, 1951. Class 1.

La Forestal Argentina Sociedad Anonima de Tierras, Maderas y Explotaciones Comerciales e Industriales: *See*—
Forestal Land, Timber and Railways Company Limited, The.

Lake Shore Engineering Company, Iron Mountain, Mich. Cargo winches. 552,972, Jan. 8; Serial No. 569,526, published Sept. 18, 1951. Class 23.

Lambert Pharmacal Company: *See*—
Horton, Frederick B.

Lane & Co.: *See*—
Lane, Ed., & Co., Inc.

Lane, Ed., & Co., Inc., assignee of Lane & Co., Wyoming, N. Y. Fishing tackle. 553,255, Jan. 8; Serial No. 512,005. Class 22.

Lane-Wells Company: *See*—
Pacific Universal Products Corporation.

Lanificio Ermenegildo Zegna, Trivero (Vercelli), Italy. Textile and knitted fabrics. 553,019–20, Jan. 8; Serial Nos. 586,123–4, published Oct. 16, 1951. Class 42.

Leech Products Company: *See*—
Hilton, G. C.

Leffingwell Chemical Company: *See*—
Leffingwell Rancho Company.

Leffingwell Rancho Company, Whittier, to Leffingwell Chemical Company, East Whittier, Calif. Insecticides, liquid spreader compounds, etc. 286,416, renewed Aug. 25, 1951. O. G. Jan. 8. Class 52.

Lehon Company, The, Chicago, Ill. Construction materials. 444,638, Jan. 8; Serial No. 520,725, published Sept. 18, 1951. Class 12.

Lehwood Corporation, South Bend, Ind. Plywood, unfinished and finished lumber. 553,047, Jan. 8; Serial No. 594,130, published Aug. 7, 1951. Class 12.

Levy, Albert, by Ardath Tobacco Company, Limited, London, England. Smoking tobacco and cigarettes. 41,324, Oct. 20, 1903. Republished Jan. 8. Class 17.

Lewis, Wayne, New York, N. Y. Mouthpieces for musical wind instruments. 552,958, Jan. 8; Serial No. 563,124, published Oct. 23, 1951. Class 36.

Libby, McNeill & Libby, Chicago, Ill. Pamphlets and other publications. 553,000, Jan. 8; Serial No. 581,137, published Oct. 2, 1951. Class 38.

Liberty Mills, to Burrus Mills, Incorporated, Dallas, Tex. Wheat-flour. 301,368, Feb. 28, 1933. New certificate. O. G. Jan. 8. Class 46.

Liberty Mills, to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 303,147, May 9, 1933. New certificate. O. G. Jan. 8. Class 46.

Liberty Mills, to Burrus Mills, Incorporated, Dallas, Tex. Wheat-flour. 333,939, Apr. 14, 1936. New certificate. O. G. Jan. 8. Class 46.

Lindberg Engineering Company, Chicago, Ill. Refractory crucibles for analysis of metals. 553,103, Jan. 8; Serial No. 601,680, published Oct. 2, 1951. Class 26.

Lissak, Nathan J., New Bedford, Mass. Women's shoes. 553,296, Jan. 8; Serial No. 610,325. Class 39.

"little Joe" Wiesenfeld Co., Baltimore, Md. Saddlery hardware. 553,144, Jan. 8; Serial No. 604,976, published Oct. 9, 1951. Class 3.

Little Mistress Togs, New York, N. Y. Combination blouse and slip. 553,267, Jan. 8; Serial No. 578,604. Class 39.

Liza-Jean Sweets, Inc., Cleveland, Ohio. Cookies. 553,026, Jan. 8; Serial No. 588,035, published Oct. 9, 1951. Class 46.

Lovely Girl Inc., New York, N. Y. Ladies' and girls' coats. 553,259, Jan. 8; Serial No. 551,804. Class 39.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 553,203, Jan. 8; Serial No. 608,278, published Oct. 23, 1951. Class 46.

Madison Woolen Company, Madison, Maine, to The Cotwool Manufacturing Corporation, Wilmington, Del. Woolen piece goods. 271,902, renewed June 17, 1950. O. G. Jan. 8. Class 42.

Maggot Products Company, by Weco Products Company, Chicago, Ill. Pharmaceutical preparation. 372,962, Nov. 21, 1939. Republished Jan. 8. Class 18.

Manhattan Novelty Corporation, New York, N. Y. Watches. 553,119, Jan. 8; Serial No. 607,224, published Oct. 23, 1951. Class 27.

Marathon Underwear Company, The: *See*—
Snyder, Lou L.

Marcus, Louis, Corporation, The, Baltimore, Md. Ladies' suits and coats. 553,256; Jan. 8; Serial No. 521,142. Class 39

Marvin, W. H., Company, The, Urbana, Ohio. Mince-meat. 85,667, re-renewed Mar. 5, 1952. O. G. Jan. 8. Class 46.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 553,174, Jan. 8; Serial No. 606,537, published July 31, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Veterinary preparation. 553,175, Jan. 8; Serial No. 606,544, published July 31, 1951. Class 18.

Master Builders Company, The, Cleveland, Ohio. Material in the nature of Portland cement. 290,430, Jan. 5, 1932. Corrected. O. G. Jan. 8. Class 12.

McCrosky, Ralston D., doing business as Akron Fruit Topping, Akron, Ohio. Waffle syrup, chocolate syrup, food flavoring emulsions, etc. 553,035, Jan. 8; Serial No. 590,170, published Oct. 23, 1951. Class 46.

McDonald Company, The, assignee: *See*
McDonald Industries, Inc.

McDonald Industries, Inc., assignor to The McDonald Company, Boston, Mass. Heat treated mineral dehumidifying materials. 553,030, Jan. 8; Serial No. 588,765, published Oct. 9, 1951. Class 6.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Periodical. 553,279, Jan. 8; Serial No. 599,108. Class 38.

Mendelson, Palmer C., Co., San Francisco, Calif. Fresh deciduous fruits and fresh vegetables. 553,042, Jan. 8; Serial No. 592,773, published Sept. 11, 1951. Class 46.

Mercado, Rafael, New York, N. Y. Prepared advertising. 444,637, Jan. 8; Serial No. 518,550, published Oct. 2, 1951. Class 38.

Mercer Glass Works, Inc., New York, N. Y. Tissue forceps, towel forceps, tenaculum forceps, etc. 553,201, Jan. 8; Serial No. 565,792. Class 41.

Mercon Inc., Portland, Oreg. Casings for punch boards. 553,294, Jan. 8; Serial No. 608,938. Class 22.

Mercury Record Corporation, Chicago, Ill. Grooved phonograph records. 553,056, Jan. 8; Serial No. 596,291, published Oct. 23, 1951. Class 36.

Metz, H. A., Laboratories, Inc., to Winthrop-Stearns Inc., New York, N. Y. Preparation for use in the treatment of peptic ulcers. 291,131, renewed Jan. 26, 1952. O. G. Jan. 8. Class 18.

Michigan Chrome & Chemical Company, Detroit, Mich. Stop-off lacquer, coating lacquers, plastic protective coatings, etc. 552,979, Jan. 8; Serial No. 571,338, published Oct. 2, 1951. Class 16.

Minnesota Linseed Oil Paint Co.: *See*
Minnesota Paints, Inc.

Minnesota Linseed Oil Paint Company, doing business as The Chi Namel Paint & Varnish Co., Minneapolis, Minn., and Fort Wayne, Ind., now by change of name Minnesota Paints Inc. Varnishes, liquid coating compositions, etc. 552,934, Jan. 8; Serial No. 539,608, published Sept. 4, 1951. Class 16.

Minnesota Paints Inc.: *See*
Minnesota Linseed Oil Paint Company.

Minnesota Paints, Inc., Minneapolis, Minn., formerly Minnesota Linseed Oil Paint Co., doing business as The Chi-Namel Paint and Varnish Co. Enamel paint and clear varnish. 552,928, Jan. 8; Serial No. 527,675, published Sept. 25, 1951. Class 16.

Minnesota Platon Corporation, Pipestone, Minn. Air drying phenolic varnish. 552,974, Jan. 8; Serial No. 569,981, published Sept. 4, 1951. Class 16.

Minnesota Wholesalers, Inc., Minneapolis, Minn. Saddles, saddle bags, bridles, etc. 553,066, Jan. 8; Serial No. 597,410, published Oct. 9, 1951. Class 3.

Mirror Bright Polish Co., assignor to Mirror Bright Polish Co., Pasadena, Calif. Finish preservers and waxes. 552,992, Jan. 8; Serial No. 578,936, published Oct. 16, 1951. Class 16.

Modern Transfer Company, Inc., Allentown, Pa. Transportation of property by motor vehicle. 553,252, Jan. 8; Serial No. 606,561, published Oct. 16, 1951. Class 105.

Moe Light, Inc., Fort Atkinson, Wis. Electric lighting fixtures. 553,230, Jan. 8; Serial No. 610,860, published Oct. 9, 1951. Class 21.

Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Textile, woven, woolen rugs and carpets. 553,186, Jan. 8; Serial No. 607,090, published Oct. 16, 1951. Class 42.

Monarch Marking System Company, The, Dayton, Ohio. Automatic tag marking and affixing machines. 553,212, Jan. 8; Serial No. 608,661, published Oct. 2, 1951. Class 23.

Monark Silver King, Inc., Chicago, Ill. Lawnmowers. 553,137, Jan. 8; Serial No. 604,790, published Oct. 9, 1951. Class 23.

Monark Silver King, Inc., Chicago, Ill. Lawnmowers. 553,142, Jan. 8; Serial No. 604,918, published Sept. 18, 1951. Class 23.

Morten Milling Company, to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 189,901, Sept. 30, 1924. New certificate. O. G. Jan. 8. Class 46.

Morten Milling Company, to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 221,548, Dec. 7, 1926. New certificate. O. G. Jan. 8. Class 46.

Morten Milling Company, to Burrus Mills, Incorporated, Dallas, Tex. Biscuit flour. 303,823, June 6, 1933. New certificate. O. G. Jan. 8. Class 46.

Morton Salt Company: *See*—
Worcester Salt Company.

Mueller Co.: *See*—
Mueller, H., Manufacturing Company.

Mueller Co., Decatur, Ill. Non-ferrous pipe. 290,835, renewed Jan. 19, 1952. O. G. Jan. 8. Class 13.

Mueller, H., Manufacturing Company, to Mueller Co., Decatur, Ill. Combined waste and overflows and parts of same, traps, etc. 85,269, re-renewed Feb. 6, 1952. O. G. Jan. 8. Class 13.

Muralo Company, Inc., The, New Brighton, N. Y., to The Muralo Company, Inc., Haskell, N. J. Dry powder to be used as a plastic paint. 290,481, renewed Jan. 5, 1952. O. G. Jan. 8. Class 16.

National Photo Service & Supply Co., Inc., Appomattox, Va. Reproducing photographs. 553,240, Jan. 8; Serial No. 539,338, published Oct. 2, 1951. Class 106.

National Utilization Co., The, to F. S. Royster Guano Company, Norfolk, Va. Tankage. 84,509, re-renewed Dec. 19, 1951. O. G. Jan. 8. Class 10.

National Utilization Co., The, to F. S. Royster Guano Company, Norfolk, Va. Tankage. 84,790, re-renewed Jan. 2, 1952. O. G. Jan. 8. Class 10.

Necchi Sewing Machine Sales Corp., New York, N. Y. Sewing machines, and sewing machine parts. 553,017, Jan. 8; Serial No. 585,856, published Sept. 25, 1951. Class 23.

Nehi Corporation, Columbus, Ga. Chocolate flavored milk drink and concentrates. 553,227, Jan. 8; Serial No. 610,294, published Oct. 23, 1951. Class 46.

New Century Milling Company, The, to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 47,061, Oct. 24, 1905. New certificate. O. G. Jan. 8. Class 46.

New Century Milling Company, The, to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 56,830, Oct. 23, 1906. New certificate. O. G. Jan. 8. Class 46.

New Century Milling Company, The, to Burrus Mills, Incorporated, Dallas, Tex. Wheat flour. 63,316, June 11, 1907. New certificate. O. G. Jan. 8. Class 46.

New York Association for the Blind, Inc., The, New York, N. Y. Brooms. 553,161, Jan. 8; Serial No. 606,029, published July 24, 1951. Class 29.

New York Association for the Blind, Inc., The, New York, N. Y. Brooms. 553,162, Jan. 8; Serial No. 606,031, published July 24, 1951. Class 29.

New York Association for the Blind, Inc., The, New York, N. Y. Brooms. 553,163, Jan. 8; Serial No. 606,038, published July 24, 1951. Class 29.

New York Association for the Blind, Inc., The, New York, N. Y. Brooms. 553,164, Jan. 8; Serial No. 606,040, published July 24, 1951. Class 29.

North American Lace Co., Inc., Philadelphia, Pa. Lace curtains, lace table cloths, etc. 553,271, Jan. 8; Serial No. 589,223. Class 42.

Nutrition Research Laboratories, Inc., Chicago, Ill. Pharmaceutical preparation. 553,166, Jan. 8; Serial No. 606,080, published July 24, 1951. Class 18.

Oilux Corporation, Fort Wayne, Ind. Water softening apparatus. 552,980, Jan. 8; Serial No. 571,912, published Sept. 18, 1951. Class 31.

Old Hundred, Incorporated, Southbury, Conn. Ice cream. 553,015, Jan. 8; Serial No. 585,679, published Oct. 16, 1951. Class 46.

Oliver Corporation, The, Chicago, Ill. Tractors. 552,977, Jan. 8; Serial No. 570,316, published Sept. 18, 1951. Class 23.

Omega Machine Company, Providence, R. I. Dust collectors. 553,001, Jan. 8; Serial No. 581,203, published Sept. 18, 1951. Class 31.

Orchard Products Company, Chicago, Ill. Nonalcoholic, maltless syrups and concentrates. 292,439, renewed Mar. 15, 1952. O. G. Jan. 8. Class 45.

Ottawa Chemical Company, The, Toledo, Ohio. Chemical compositions. 553,132, Jan. 8; Serial No. 604,103, published Oct. 9, 1951. Class 18.

Pabco Products Inc.: *See*—
Paraffine Companies, Inc., The.

Pabco Products Inc., San Francisco, Calif., by change of name from The Paraffine Companies, Inc. Linoleum floor coverings. 553,277, Jan. 8; Serial No. 598,597. Class 20.

Pabst Brewing Company, Chicago, Ill. Protein digestant used for the removal of spots and stains. 553,096, Jan. 8; Serial No. 600,968, published Oct. 16, 1951. Class 52.

Pacific Mutual Life Insurance Company, Los Angeles, Calif. Underwriting of life insurance, retirement income, and accident health insurance. 553,245, Jan. 8; Serial No. 564,397, published Oct. 16, 1951. Class 102.

Pacific Universal Products Corporation, assignee of Lane-Wells Company, Pasadena, Calif. Periodical publication. 553,257, Jan. 8; Serial No. 522,257. Class 38.

Pangborn Corporation, Hagerstown, Md. Industrial air filters. 553,101, Jan. 8; Serial No. 601,562, published Oct. 9, 1951. Class 31.

Paraffine Companies, Inc., The: *See*—
Pabco Products Inc.

Paraffine Companies, Inc., The, San Francisco, Calif., now by change of name, Pabco Products Inc. Ready mixed liquid, paste, and emulsified paints, paint enamels, lacquers, etc. 552,942, Jan. 8; Serial No. 550,937, published Sept. 25, 1951. Class 16.

Patent Scaffolding Co., Inc., The, Long Island City, N. Y. Scaffolding and parts thereof. 553,157, Jan. 8; Serial No. 605,759, published Sept. 25, 1951. Class 50.

Patrick County Canning Co., Inc., Stuart, Va. Canned sliced apples, canned baked apples, canned blackberries, etc. 553,102, Jan. 8; Serial No. 601,564, published Sept. 25, 1951. Class 46.

Payswell Products Corporation, Chicago, Ill. Electric motor-operated portable spray guns. 552,969, Jan. 8; Serial No. 567,645, published Sept. 11, 1951. Class 21.

Peer Food Products Company, Chicago, Ill. Meat and meat products. 552,923, Jan. 8; Serial No. 500,565, published Sept. 11, 1951. Class 46.

Peer Food Products Company, Chicago, Ill. Meat products; and processed fruit. 552,924, Jan. 8; Serial No. 504,450, published Sept. 18, 1951. Class 46.

Peerless Oyster Co., to The Potomac Poultry Food Co., Inc., Baltimore, Md. Poultry food. 84,518, re-renewed Dec. 19, 1951. O. G. Jan. 8. Class 46.

Pennsylvania Pump and Compressor Company, Easton, Pa. Centrifugal pumps. 553,299, Jan. 8; Serial No. 613,854. Class 23.

Perfect Circle Corporation, Hagerstown, Ind. Instructing mechanics and repair men. 553,239, Jan. 8; Serial No. 537,820, published Oct. 16, 1951. Class 107.

Perfect Knit Togs, Inc., New York, N. Y. Infants' creeper. 553,165, Jan. 8; Serial No. 606,046, published Oct. 16, 1951. Class 39.

Perfection Frocks, Inc., New York, N. Y. Children's and ladies' dresses, skirts, and aprons. 553,292, Jan. 8; Serial No. 606,392. Class 39.

Pesquera e Industrializadora de Guaymas, S. A., Guaymas, Sonora, Mexico. Frozen shrimp. 553,046, Jan. 8; Serial No. 393,498, published Oct. 2, 1951. Class 46.

Peter Paul, Inc., Naugatuck, Conn. Candy. 552,930, Jan. 8; Serial No. 530,117, published Oct. 2, 1951. Class 46.

Peters, Henry M., doing business under the style and name of Tatch-A-Tray Products, Chicago, Ill. Combined metal tray and clamp. 553,092, Jan. 8; Serial No. 600,348, published Oct. 23, 1951. Class 13.

Pfizer, Chas., & Co.: *See*—
Pfizer, Chas., & Co., Inc.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co. Antibiotic preparation. 553,135, Jan. 8; Serial No. 604,741, published July 24, 1951. Class 18.

Phelan-Faust Paint Mfg. Co., St. Louis, Mo. Quick drying synthetic lustreless enamel. 552,966, Jan. 8; Serial No. 565,717, published Sept. 4, 1951. Class 16.

Philadelphia Seed Company, The, Philadelphia, Pa. Pigeon feed. 553,038, Jan. 8; Serial No. 590,634, published Oct. 23, 1951. Class 46.

Physiological Chemicals Company, Inc., New York, N. Y. Medicinal preparations. 444,636, Jan. 8; Serial No. 511,183, published Nov. 2, 1948. Class 18.

Pilgrim Associates, Inc., New York, N. Y. Insurance brokerage. 553,241, Jan. 8; Serial No. 548,757 published Oct. 16, 1951. Class 102.

Plastisign Corporation of America, Philadelphia, Pa. Plastic signs. 553,008, Jan. 8; Serial No. 584,346, published Sept. 25, 1951. Class 50.

Platt Luggage, Inc., Chicago, Ill. Hand luggage. 553,172, Jan. 8; Serial No. 606,436, published Oct. 23, 1951. Class 3.

Plough Sales Corporation of California: *See*—
Drucker, August E.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Electrical apparatus. 553,209, Jan. 8; Serial No. 608,566, published Oct. 9, 1951. Class 21.

Plywood Incorporated, Detroit, Mich. Plywood. 553,136, Jan. 8; Serial No. 604,743, published Aug. 7, 1951. Class 12.

Pockrandt, Inc., Bay City, Mich. Paint and varnish remover. 553,149, Jan. 8; Serial No. 605,264, published Sept. 25, 1951. Class 16.

Polymer Corporation, The, Reading, Pa. Synthetic plastic materials. 553,120, Jan. 8; Serial No. 603,204, published Sept. 25, 1951. Class 1.

Potdevin Machine Company, Brooklyn, N. Y. Machines for making paper bags and tubes, etc. 552,999, Jan. 8; Serial No. 580,261, published Sept. 18, 1951. Class 23.

Potomac Poultry Food Co., Inc., The: *See*—
Peerless Oyster Co.

Purepac Corporation, New York, N. Y. Anti-histaminic tablet. 553,024, Jan. 8; Serial No. 587,561, published Aug. 29, 1950. Class 18.

Puretex Lemon Juice, Inc., Raymondville, Tex. Bottled lemon juice and bottled lime juice. 553,034, Jan. 8; Serial No. 589,617, published Oct. 2, 1951. Class 46.

Ralston Purina Company, St. Louis, Mo. Animal feeds. 552,944, Jan. 8; Serial No. 552,713, published Oct. 16, 1951. Class 46.

Recordak Corporation, New York, N. Y. Photographic prints and enlargements. 552,978, Jan. 8; Serial No. 570,378, published Oct. 2, 1951. Class 38.

Red Hand Compositions Company, Inc., New York, N. Y. Rubber base and varnish base paints and sealers. 552,987, Jan. 8; Serial No. 574,861, published Sept. 25, 1951. Class 16.

Reliance Manufacturing Company, Chicago, Ill. Boys' sleeveless jackets. 291,643, renewed Feb. 23, 1952. O. G. Jan. 8. Class 39.

Remco, Incorporated, Zellenople, Pa. Molded desiccant material. 553,229, Jan. 8; Serial No. 610,761, published Sept. 18, 1951. Class 31.

Reynolds, F. A., Co. Inc., Cleveland, Ohio. Musical horns. 553,138, Jan. 8; Serial No. 604,808, published Oct. 23, 1951. Class 36.

Rich Maid Manufacturing Company, Inc., Richmond, Va. Roasted coffee. 553,063, Jan. 8; Serial No. 597,295, published Oct. 23, 1951. Class 46.

Richmond Broom Company, Richmond, Va. Household brooms. 553,094, Jan. 8; Serial No. 600,511, published Sept. 4, 1951. Class 29.

Riker Laboratories, Inc.: *See*—
Cabot Chemical Company.

Robertson Manufacturing Company, Morrisville, Pa. Wall tile. 552,989, Jan. 8; Serial No. 576,364, published Sept. 11, 1951. Class 12.

Rockwell Manufacturing Company, Pittsburgh, Pa. Electric motors, switch box covers, and electric welders. 553,232, Jan. 8; Serial No. 611,539, published Oct. 16, 1951. Class 21.

Ronick, Murray, New York, N. Y. Combination phonograph-slide projector. 553,083, Jan. 8; Serial No. 599,783, published Oct. 2, 1951. Class 26.

Ross & Roberts, Inc., West Haven, Conn., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Vinyl plastic film. 553,006, Jan. 8; Serial No. 583,293, published June 13, 1950. Class 42.

Ross, Will, Inc., Milwaukee, Wis. Cotton garments. 553,088, Jan. 8; Serial No. 599,979, published Oct. 16, 1951. Class 39.

Rossman, Jerry, Corporation, New York, N. Y. Textile fabrics. 553,082, Jan. 8; Serial No. 599,529, published Oct. 16, 1951. Class 42.

Royster, F. S., Guano Company: *See*—
National Utilization Co., The.

Royston Mills, Inc., Royston, Ga. Tobacco cloth. 553,281, Jan. 8; Serial No. 599,657. Class 42.

Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Composition shingles. 292,567, renewed Mar. 15, 1952. O. G. Jan. 8. Class 12.

Rudolph, J., Inc., New York, N. Y. Ladies' handbags. 552,983, Jan. 8; Serial No. 572,774, published Oct. 23, 1951. Class 3.

Rugg, E. T., Company, The, Newark, Ohio. Lawn mowers. 553,224, Jan. 8; Serial No. 609,816, published Sept. 25, 1951. Class 23.

Ryerson, Joseph T., & Son, Inc., Chicago, Ill. Steel structural shapes, metal road and garden curbing, etc. 552,963–4, Jan. 8; Serial Nos. 504,902–3, published Aug. 28, 1951. Class 12.

Saegertown Mineral Water Company, The, by Saegertown Sparkling Beverages, Inc., Saegerstown, Pa. Ginger ale and non-alcoholic maltless, carbonated drinks. 276,150, Oct. 7, 1930. Republished Jan. 8. Class 45.

Saegertown Sparkling Beverages, Inc.: *See*—
Saegertown Mineral Water Company, The.

Sandoz Chemical Works, Inc., New York, N. Y. House organ. 553,195, Jan. 8; Serial No. 607,722, published Oct. 2, 1951. Class 38.

Schenley Laboratories, Inc., New York, N. Y. Penicillin and dihydrostreptomycin product. 553,187, Jan. 8; Serial No. 607,198, published Sept. 18, 1951. Class 18.

Schere, Irving S., doing business under the name and style of Food Sales Publishing Company, New York, N. Y. Publication. 553,290, Jan. 8; Serial No. 606,053. Class 38.

Schöldberg, Nils G. R., doing business as Bokförlaget The Polyglot Club Schöldberg & Gustafsson, Stockholm, Sweden. Books. 552,988, Jan. 8; Serial No. 574,928, published Oct. 2, 1951. Class 38.

Schuchardt, Charlotte, Lakeville, Conn., executrix under the last will and testament of Alfred Korzybski, deceased, carrying on a business under the name of International Non-Aristotelian Library Publishing Company. Printed books. 553,169, Jan. 8; Serial No. 606,240, published Oct. 16, 1951. Class 38.

Scintilla Ltd., Soleure, Switzerland. Drafting machines. 552,939, Jan. 8; Serial No. 547,665, published Oct. 2, 1951. Class 26.

Seidlitz Paint & Varnish Co., Kansas City, Mo. Washable interior resin paste paints. 552,933, Jan. 8; Serial No. 536,153, published Oct. 2, 1951. Class 16.

Selas Corporation of America: *See*—
"Selas" Gesellschaft mit beschränkter Haftung.

"Selas" Gesellschaft mit beschränkter Haftung, Berlin, Germany, to Selas Corporation of America, Philadelphia, Pa. Gas-mixing apparatus, carburetors, pressure-regulators. 84,344, re-renewed Nov. 28, 1951. O. G. Jan. 8. Class 23.

Shell, Paul V., doing business as The Paul V. Shell Co., Kansas City, Mo. Butter and margarine measure for measuring quarter pound prints thereof. 553,199, Jan. 8; Serial No. 607,968, published Oct. 9, 1951. Class 26.

Shell, Paul V. Co., The: *See*—
Shell, Paul V.

Sherwin-Williams Company, The, Cleveland, Ohio. Lacquers. 553,173, Jan. 8; Serial No. 606,496, published Sept. 18, 1951. Class 16.

Shlansky, Philip, & Sons, Inc., New York, N. Y. Ladies' and misses' coats and jackets. 553,298, Jan. 8; Serial No. 613,309. Class 39.

Show Off Corporation, The, assignee: *See*—
Eisinger, Louis S.

Signal Oil Company, Los Angeles, Calif. Periodical publications. 553,189, Jan. 8; Serial No. 607,356, published Oct. 2, 1951. Class 38.

Silson Products, Inc., Cambridge, Mass. Hair dressing preparation. 553,194, Jan. 8; Serial No. 607,689, published Sept. 25, 1951. Class 51.

Silver Streak Manufacturing Co., The, Dyersville, Iowa. Renewable edges for plowshares. 552,940, Jan. 8; Serial No. 547,876, published Oct. 2, 1951. Class 23.

Skyline, Inc.: *See*—
Candy Crafters, Inc.

Snyder, Lou L., doing business as The Marathon Underwear Company, to Ainsbrooke Co., Inc., New York, N. Y. Sports outerwear. 337,413, Aug. 4, 1936. New certificate. O. G. Jan. 8. Class 39.

Societa Ceramica Richard-Ginori, Milan, Italy. Vases, trays, cups, etc. 553,021, Jan. 8; Serial No. 586,199, published Sept. 25, 1951. Class 30.

Society of Christian Approach to the Jews, Inc., The, Kansas City, Mo. Periodical publications. 553,278, Jan. 8; Serial No. 598,933. Class 38.

Solution Schoum & Neutadrol, doing business under the name and style of Laboratoire Schoum, Paris, France. Preparation for the treatment of ailments of the liver, kidneys, and bladder, etc. 553,004, Jan. 8; Serial No. 582,656, published July 24, 1951. Class 18.

Sonntag, Robert B., Dallas, Tex. Hood adapted to be mounted above a cooking stove. 553,272, Jan. 8; Serial No. 589,598. Class 34.

Sossner Tap and Tool Corporation, New York, N. Y. Threading taps. 553,081, Jan. 8; Serial No. 599,197, published Oct. 2, 1951. Class 23.

Southern Radio and Television Equipment Company, doing business as Television Station WTVJ, Miami, Fla. Entertainment service. 553,251, Jan. 8; Serial No. 602,344, published Oct. 23, 1951. Class 107.

Special Milk Products, Inc., West Los Angeles, Calif., now by change of name Jackson-Mitchell Pharmaceuticals, Inc. Vitamin C solution. 552,995, Jan. 8; Serial No. 579,842, published Nov. 7, 1950. Class 18.

Staley, A. E., Manufacturing Company, Decatur, Ill. Hydrolyzed plant protein used as an ingredient in food compositions. 553,122, Jan. 8; Serial No. 603,341 published Oct. 23 1951. Class 46

Star Bedding Company of Pittsburgh, Pittsburgh, Pa. Mattresses. 553,270, Jan. 8; Serial No. 585,868. Class 32.

Star Glow Electric Products, Inc., Chicago, Ill. Portable table electric hot plates. 444,631, Jan. 8; Serial No. 492,106, published May 17, 1949. Class 21.

Star Manufacturing Company: *See*—
Hercules Steel Products Corporation.

Steelcote Manufacturing Company by Steelcote Manufacturing Company, (1946), St. Louis, Mo. Caulk and roofing cement. 275,717, Sept. 30, 1930. Republished Jan. 8. Class 12.

Steelcote Manufacturing Company, by Steelcote Manufacturing Company, (1946), St. Louis, Mo. Paints, varnishes, etc. 329,623, Nov. 5, 1935. Republished Jan. 8. Class 16.

Steelcote Manufacturing Company, (1946): *See*—
Steelcote Manufacturing Company.

Stepan Chemical Company, The, Chicago, Ill. Lauryl sulfate. 553,048, Jan. 8; Serial No. 594,813, published Oct. 9, 1951. Class 6.

Strauss Decorating and Exposition Company, Inc., New York, N. Y. Arranging, planning and constructing commercial displays, etc. 553,246, Jan. 8; Serial No. 576,023, published Oct. 16, 1951. Class 103.

Stroeck, Franklin C., doing business as Frank Sale Service, Inc., San Antonio, Tex. Candy. 553,010, Jan. 8; Serial No. 584,423, published Sept. 25, 1951. Class 46.

Stuart-Chase Co., North Bergen, N. J. Absorbent covered frangible ampules containing perfumes. 553,182, Jan. 8; Serial No. 606,909, published Sept. 25, 1951. Class 51.

Suds-Up Corporation, The, Buffalo, N. Y. Detergent cleansing powder. 444,634, Jan. 8; Serial No. 508,872, published Oct. 16, 1951. Class 52.

Super Charger Laboratories, Jacksonville, Fla. Chemical compound. 553,300, Jan. 8; Serial No. 615,418. Class 6.

Super Mold Corporation of California, Lodi, Calif. Tire repair equipment. 552,968, Jan. 8; Serial No. 567,282, published Oct. 2, 1951. Class 23.

Superior Sleeprite Corporation, Chicago, Ill. Combined bed and chair. 553,276, Jan. 8; Serial No. 593,248. Class 32.

Sutton Publishing Company, Inc., New York, N. Y. Periodicals. 553,263, Jan. 8; Serial No. 572,806. Class 38.

Swift Electric Welder Company, Detroit, Mich. Electric welding machinery. 553,099, Jan. 8; Serial No. 601,483, published Sept. 25, 1951. Class 21.

Synthetic & Industrial Finishes Limited, Watford, England. Liquid paints. 553,121, Jan. 8; Serial No. 603,211, published Sept. 25, 1951. Class 16.

Tablerock Laboratories: *See*—
Tablerock Laboratories, Inc.

Tablerock Laboratories, Inc., doing business under the style name Tablerock Laboratories, Greenville, S. C. Tablets containing monobromisovaleryl urea. 553,127–8, Jan. 8; Serial Nos. 603,903–04, published July 31, 1951. Class 18.

Tanbro Fabrics Corp., New York, N. Y. Nylon. 553,018, Jan. 8; Serial No. 585,872, published July 18, 1950. Class 42.

Tatch-A-Tray Products: *See*—
Peters, Henry M.

Technicolor Motion Picture Corporation, Los Angeles and Hollywood, Calif. Publication. 553,089, Jan. 8; Serial No. 600,091, published Oct. 2, 1951. Class 38.

Television Station WTVJ: *See*—
Southern Radio and Television Equipment Company.

Terra Bella Olive Association, Terra Bella, Calif. Canned olives. 553,283, Jan. 8; Serial No. 600,861. Class 46.

Tone Mfg. Co., The: *See*—
Tone Manufacturing Company.

Tone Manufacturing Company, assignee of The Tone Mfg. Co., Grand Rapids, Mich. Combination polishing and cleaning preparations. 553,265, Jan. 8; Serial No. 575,023. Class 4.

Tong, Tung Bick, carrying on business under the name of Kwan Yick Fireworks Company, Macau, Victoria, Hong Kong. Fireworks. 553,064, Jan. 8; Serial No. 597,361, published Sept. 11, 1951. Class 9.

Tootal Broadhurst Lee Co. Limited, Manchester, England. Cotton piece goods. 289,525, Dec. 1, 1931. Republished Jan. 8. Class 42.

Triumph Leather Goods Co.: *See*—
Weinberger, Paul.

Truhu Fabrics Corporation, New York, N. Y. Men's dress and negligee shirts; women's and misses' waists, petticoats, etc. 553,258, Jan. 8; Serial No. 548,546. Class 39.

Tru-Pine Company, Chicago, Ill. Room deodorizers and air sanitizers, moth proofing preparations, etc. 553,067, Jan. 8; Serial No. 597,418, published Oct. 9, 1951. Class 6.

Truscon Steel Company, Youngstown, Ohio. Metal windows and parts thereof, window screens, metal doors, etc. 553,049, Jan. 8; Serial No. 594,818, published Aug. 14, 1951. Class 12.

Turner Brass Works, The, Sycamore and Chicago, Ill., to The Turner Brass Works, Sycamore, Ill. Gasoline-operated torches. 85,526, re-renewed Feb. 20, 1952. O. G. Jan. 8. Class 34.

Union Sand and Supply Corporation, The, Painesville, Ohio. Prepared building blocks. 553,055, Jan. 8; Serial No. 595,922, published Aug. 7, 1951. Class 12.

United Merchants and Manufacturers, Inc., New York, N. Y. Cotton piece goods. 553,190, Jan. 8; Serial No. 607,361, published Oct. 16, 1951. Class 42.

United Metal Box Co., Inc., Brooklyn, N. Y. Steel bath room cabinets, steel kitchen cabinets, etc. 552,937, Jan. 8; Serial No. 544,940, published Oct. 2, 1951. Class 32.

Universal Atlas Cement Company, New York, N. Y. Hydraulic cement. 553,133, Jan. 8; Serial No. 604,501, published Aug. 28, 1951. Class 12.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 553,032, Jan. 8; Serial No. 589,055, published July 31, 1951. Class 18.

Van de Kamp's Holland Dutch Bakers, Inc., Los Angeles, Calif. Bread, rolls, coffee, cakes, etc. 552,927, Jan. 8; Serial No. 527,028, published Sept. 18, 1951. Class 46.

Veeder-Root Incorporated, Hartford, Conn. Die castings. 289,357, renewed Nov. 24, 1951. O. G. Jan. 8. Class 14.

Video Television, Inc., New York, N. Y. Electronic testing equipment. 553,058, Jan. 8; Serial No. 596,886, published Oct. 9, 1951. Class 26.

Vigny, Inc., New York, N. Y. Perfumes, toilet waters, face lotions, etc. 553,185, Jan. 8; Serial No. 607,058, published Sept. 25, 1951. Class 51.

Wagner, Anderson, Inc., Los Angeles, Calif. Refrigerated bottle containers, refrigerated salad display tables, refrigerated ice-cream cabinets, etc. 444,632, Jan. 8; Serial No. 495,937, published Sept. 4, 1951. Class 31.

Wang Yick Fireworks Company: *See*—
Hung, Tang K.

Wargöns Aktiebolag, Vargon, Sweden. Tanning substances. 553,060, Jan. 8; Serial No. 596,964, published Oct. 9, 1941. Class 6.

Wargöns Aktiebolag, Vargon, Sweden. Chemical for industrial use. 553,061, Jan. 8; Serial No. 596,965, published Oct. 9, 1951. Class 6.

Weast: *See*—
Weast, Louis S.

Weast, Louis S., doing business as Weast, Los Angeles, Calif. Foldable shopping carts. 553,025, Jan. 8; Serial No. 587,772, published Sept. 4, 1951. Class 19.

Weco Products Company: *See*—
Maggot Products Company.
Western Bottle Mfg. Co.
Western Bottle Manufacturing Company.

Weco Products Company, Chicago, Ill. Tooth brushes. 363,630, Jan. 3, 1939. Republished Jan. 8. Class 29.

Weinberger, Paul, doing business under the name of Triumph Leather Goods Co., New York, N. Y. Billfolds, wallets and key cases. 553,178, Jan. 8; Serial No. 606,830, published Oct. 23, 1951. Class 3.

West Coast Trading Company: *See*—
Houser, Paul H.

Western Bottle Manufacturing Company, by Weco Products Company, Chicago, Ill. Hair nets. 148,960, Nov. 29, 1921. Republished Jan. 8. Class 39.

Western Bottle Manufacturing Company, by Weco Products Company, Chicago, Ill. Tooth paste. 257,735, June 18, 1929. Republished Jan. 8. Class 51.

Western Bottle Mfg. Co., doing business as The Western Company, by Weco Products Company, Chicago, Ill. Handkerchiefs. 298,695, Nov. 1, 1932. Republished Jan. 8. Class 39.

Western Company, The: *See*—
Western Bottle Mfg. Co.

Western Metalcraft, Inc., Olympia, Wash. Metal kitchen cabinets and parts thereof. 553,264, Jan. 8; Serial No. 574,937. Class 32.

Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Radio program broadcasting services. 553,244, Jan. 8; Serial No. 559,971, published Sept. 25, 1951. Class 104.

Wheel Trueing Tool Company, Detroit, Mich. Diamond set drill bits. 553,007, Jan. 8; Serial No. 583,304, published June 26, 1951. Class 23.

Whiteley, William, & Co., Inc.: *See*—
Glenforres Glenlivet Distillery Co., Limited.

Whiting-Adams Company, Inc., Boston, Mass. Painters' brushes. 552,991, Jan. 8; Serial No. 577,242, published May 2, 1950. Class 29.

Wilson Products, Inc., Reading, Pa. Plastic cover lenses for goggles and helmets. 553,204, Jan. 8; Serial No. 608,331, published Oct. 2, 1951. Class 26.

Wilson-Imperial Company: *See*—
Wilson Remover Co.

Wilson Refrigeration, Inc., Smyrna, Del. Milk coolers, freezers, low-temperature storage cabinets, etc. 553,216, Jan. 8; Serial No. 608,804, published Aug. 28, 1951. Class 31.

Wilson Remover Co., Newark, N. J., and New York, N. Y., to Wilson-Imperial Company, Newark, N. J. Paint and varnish solvents and removers. 83,116, re-renewed Aug. 15, 1951. O. G. Jan. 8. Class 16.

Windsor Fabrics, New York, N. Y. Piece goods. 553,090, Jan. 8; Serial No. 600,159, published Oct. 16, 1951. Class 42.

Winthrop-Stearns Inc.: *See*—
Metz, H. A., Laboratories, Inc.

Wood, John, Company, New York, N. Y., and Muskegon Heights, Mich. Automatic hose winding machines and housings therefor, etc. 553,037, Jan. 8; Serial No. 590,539, published Oct. 9, 1951. Class 21.

Woodville Lime Products Company, The, Toledo, Ohio. Hydrated lime. 553,210, Jan. 8; Serial No. 608,583, published Aug. 7, 1951. Class 12.

Worcester Salt Company, New York, N. Y., to Morton Salt Company, Chicago, Ill. Salt. 288,488, renewed Oct. 27, 1951. O. G. Jan. 8. Class 46.

World Editions, Inc., New York, N. Y. Periodical publications. 553,023, Jan. 8; Serial No. 586,899, published Oct. 2, 1951. Class 38.

Wyeth-Scott Company, The, Newark, Ohio. Hand operated, cable-type power pullers. 552,985, Jan. 8; Serial No. 573,517, published Sept. 25, 1951. Class 23.

Wyrwik, Inc., Cincinnati, Ohio. Lighter wicks. 553,269, Jan. 8; Serial No. 582,873. Class 8.

Ziff-Davis Publishing Company, Chicago, Ill. Magazine. 553,130, Jan. 8; Serial No. 603,978, published Oct. 9, 1951. Class 38.

Ziff-Davis Publishing Company, Chicago, Ill. Magazine. 553,144, Jan. 8; Serial No. 604,878, published Oct. 2, 1951. Class 38.

Ziff-Davis Publishing Company, Chicago, Ill. Magazine. 553,287, Jan. 8; Serial No. 603,972. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Lafayette Coal Company. 553,073–6, Jan. 8; Serial Nos. 598,729–32, published Sept. 25, 1951.

Leather in the piece. Bolton Leathers Limited. 553,022, Jan. 8; Serial No. 586,386, published July 17, 1951.

Leather, Sole. Armour and Company. 552,935–6, Jan. 8; Serial Nos. 543,387–8, published Oct. 23, 1951.

Synthetic plastic materials. The Polymer Corporation. 553,120, Jan. 8; Serial No. 603,204, published Sept. 25, 1951.

CLASS 2

Containers and receptacles and parts thereof. Fibre-Board Products Inc. 290,165, renewed Dec. 22, 1951. O. G. Jan. 8.

Containers, Emergency liquid. Brookins Manufacturing Company. 290,282, renewed Dec. 29, 1951. O. G. Jan. 8.

CLASS 3

Billfolds, wallets and key cases. P. Weinberger. 553,178, Jan. 8; Serial No. 606,830, published Oct. 23, 1951.

Brief cases and hand luggage. Burlington Mills Incorporated. 552,961, Jan. 8; Serial No. 563,899, published Oct. 9, 1951.

Dog collars. L. S. Elsinger. 553,146, Jan. 8; Serial No. 605,092, published Oct. 9, 1951.

Handbags, Ladies'. J. Greenbaum. 553,205, Jan. 8; Serial No. 608,455, published Oct. 23, 1951.

Handbags, Ladies'. J. Rudolph, Inc. 552,983, Jan. 8; Serial No. 572,774, published Oct. 23, 1951.

Luggage, Hand. Platt Luggage, Inc. 553,172, Jan. 8; Serial No. 606,436, published Oct. 23, 1951.

Money belt. F. Cates. 553,201, Jan. 8; Serial No. 608,032, published Oct. 23, 1951.

Saddlery hardware. "little joe" Wiesenfeld Co. 553,144, Jan. 8; Serial No. 604,976, published Oct. 9, 1951.

Saddles, saddle bags, bridles, etc. Minnesota Wholesalers, Inc. 553,066, Jan. 8; Serial No. 597,410, published Oct. 9, 1951.

Wallets and billfolds. Aristocrat Leather Products, Inc. 553,274, Jan. 8; Serial No. 592,595.

Wallets or billfolds. Croyden Leather Products, Inc. 553,218, Jan. 8; Serial No. 609,078, published Oct. 23, 1951.

CLASS 4

Cleaner and polish, Bowling alley combination. The Brunswick-Balke-Collender Company. 552,965, Jan. 8; Serial No. 565,230, published Sept. 18, 1951.

Polishing and cleaning preparations, Combination. Tone Manufacturing Company. 553,265, Jan. 8; Serial No. 575,023.

CLASS 5

Cement or glue, Liquid or fluid adhesive. G. C. Hilton. 306,505, Sept. 19, 1933. Republished Jan. 8.

CLASS 6

Chemical compound. Super-Charger Laboratories. 553,300, Jan. 8; Serial No. 615,418.

Chemical for industrial use. Wargöns Aktiebolag. 553,061, Jan. 8; Serial No. 596,965, published Oct. 9, 1951.

Defoaming agents. American Aniline Products, Inc. 553,177, Jan. 8; Serial No. 606,744, published Oct. 9, 1951.

Deodorizers, Room, and air sanitizers, moth proofing preparations, etc. Tru-Pine Company. 553,067, Jan. 8; Serial No. 597,418, published Oct. 9, 1951.

Heat treated mineral dehumidifying materials. McDonald Industries, Inc. 553,030, Jan. 8; Serial No. 588,765, published Oct. 9, 1951.

Insecticidal composition. Food Machinery Corporation. 444,640, Jan. 8; Serial No. 522,853, published Jan. 31, 1950.

Insecticide dispenser, Filled. Casco Products Corporation. 553,002, Jan. 8; Serial No. 582,271, published Sept. 18, 1951.

Lauryl sulfate. The Stepan Chemical Company. 553,048, Jan. 8; Serial No. 594,813, published Oct. 9, 1951.

Organic chemicals. The B. F. Goodrich Company. 552,997, Jan. 8; Serial No. 580,192, published July 31, 1951.

Stearic acid. Darling & Company. 291,937, renewed Feb. 23, 1952. O. G. Jan. 8.

Sulphur. Koppers Products Company. 289,526, renewed Dec. 1, 1951. O. G. Jan. 8.

Tanning extracts. The Forestal Land, Timber and Railways Company, Limited. 287,145, Sept. 15, 1931. Republished Jan. 8.

Tanning substances. Wargöns Aktiebolag. 553,060, Jan. 8; Serial No. 596,964, published Oct. 9, 1941.

White disinfectant and preservative gaseous disk. American Drug & Chemical Co. 553,054, Jan. 8; Serial No. 595,816, published Oct. 9, 1951.

CLASS 8

Lighter wicks. Wyrwik, Inc. 553,269, Jan. 8; Serial No. 582,873.

Propane gas. I. P. Heus. 553,301, Jan. 8; Serial No. 582,045.

CLASS 9

Fireworks. T. K. Hung. 553,065, Jan. 8; Serial No. 597,362, published Oct. 9, 1951.

Fireworks. T. B. Tong. 553,064, Jan. 8; Serial No. 597,361, published Sept. 11, 1951.

Matches. Björneborgs Tändsticksfabriks Aktiebolag. 553,214, Jan. 8; Serial No. 608,740, published Oct. 9, 1951.

CLASS 10

Tankage. The National Utilization Co. 84,509, re-renewed Dec. 19, 1951. O. G. Jan. 8.
Tankage. The National Utilization Co. 84,790, re-renewed Jan. 2, 1952. O. G. Jan. 8.

CLASS 11

Tempera colors in liquid form used as an ink. The Carter's Ink Company. 552,943, Jan. 8; Serial No. 551,521, published July 24, 1951.

CLASS 12

Adjustable shores. Baker-Roos, Inc. 553,184, Jan. 8; Serial No. 606,965, published Sept. 11, 1951.
Building blocks, Prepared. The Union Sand and Supply Corporation. 553,055, Jan. 8; Serial No. 595,922, published Aug. 7, 1951.
Cement, Caulk and roofing. Steelcote Manufacturing Company. 275,717, Sept. 30, 1930. Republished Jan. 8.
Cement, Corrosion resistant. The Atlas Mineral Products Company of Pennsylvania. 553,217, Jan. 8; Serial No. 609,068, published Aug. 28, 1951.
Cement, Hydraulic. Universal Atlas Cement Company. 553,133, Jan. 8; Serial No. 604,501, published Aug. 28, 1951.
Cement, Roof, and calking cements. Hockaday, Inc. 553,200, Jan. 8; Serial No. 608,002, published Sept. 11, 1951.
Cement stone slabs, Colored. Beard Builders. 553,158, Jan. 8; Serial No. 605,839, published Aug. 7, 1951.
Construction materials. The Lehon Company. 444,638, Jan. 8; Serial No. 520,725, published Sept. 18, 1951.
Doors, Fir. Fir Door Institute. 553,254, Jan. 8; Serial No. 603,780, published Aug. 28, 1951.
Doors, Soundproof. Hardwood Products Corporation. 553,213, Jan. 8; Serial No. 608,704, published Aug. 28, 1951.
Doors, windows, complete window units, etc. Associated Door and Plywood Company. 553,176, Jan. 8; Serial No. 606,691, published Aug. 28, 1951.
Fire brick. A. P. Green Fire Brick Company. 553,154, Jan. 8; Serial No. 605,583, published Aug. 28, 1951.
Fire doors, Steel rolling. The Cookson Company. 553,226, Jan. 8; Serial No. 610,257, published Aug. 28, 1951.
Lime, Hydrated. The Woodville Lime Products Company. 553,210, Jan. 8; Serial No. 608,583, published Aug. 7, 1951.
Material in the nature of Portland cement. The Master Builders Company. 290,430, Jan. 5, 1932. Corrected. O. G. Jan. 8.
Molding or casting plaster. Certain-teed Products Corporation. 553,107, Jan. 8; Serial No. 602,546, published Sept. 11, 1951.
Plaster, Beautex Plaster Manufacturing Company. 552,976, Jan. 8; Serial No. 570,284, published Aug. 28, 1951.
Plywood. Plywood Incorporated. 553,136, Jan. 8; Serial No. 604,743, published Aug. 7, 1951.
Plywood, unfinished and finished lumber. Lehwood Corporation. 553,047, Jan. 8; Serial No. 594,130, published Aug. 7, 1951.
Sealing strips, Flexible. Keller Products, Inc. 553,206, Jan. 8; Serial No. 608,459, published Sept. 11, 1951.
Shingles. Certain-teed Products Corporation. 553,106, Jan. 8; Serial No. 602,545, published Sept. 11, 1951.
Shingles, Composition. The Ruberoid Co. 292,567, renewed Mar. 15 1952. O. G. Jan. 8.
Steel structural shapes, metal road and garden curbing, etc. Joseph T. Ryerson & Son, Inc. 552,963-4, Jan. 8; Serial Nos. 564,902-3, published Aug. 28, 1951.
Tile, Plastic floor. Johns Manville Corporation. 552,971, Jan. 8; Serial No. 569,207, published Sept. 11, 1951.
Tile, Wall. Robertson Manufacturing Company. 552,989, Jan. 8; Serial No. 576,364, published Sept. 11, 1951.
Tiles, Wall. Hunter Douglas Corporation. 553,171, Jan. 8; Serial No. 606,381, published Aug. 28, 1951.
Windows and parts thereof, Metal, window screens, metal doors, etc. Truscon Steel Company. 553,049, Jan. 8; Serial No. 594,818, published Aug. 14, 1951.
Windows, Combination. The Burrowes Corporation. 553,147, Jan. 8; Serial No. 605,195, published Sept. 11, 1951.
Windows, Storm. The Columbia Mills, Inc. 553,148, Jan. 8; Serial No. 605,199, published Aug. 7, 1951.

CLASS 13

Combined waste and overflows and parts of same, traps, etc. H. Mueller Manufacturing Company. 85,269, re-renewed Feb. 6, 1952. O. G. Jan. 8.
Grommets, Collord, Incorporated. 553,036, Jan. 8; Serial No. 590,352, published Oct. 16, 1951.
Hinges, Brownie Hinge & Specialties. 553,233, Jan 8; Serial No. 611,638, published Oct. 23, 1951.
Lock-nuts and bolts. The Delron Company, Inc. 553,207, Jan. 8; Serial No. 608,496, published Oct. 23, 1951.
Metal tray and clamp, Combined. H. M. Peters. 553,092, Jan. 8; Serial No. 600,348, published Oct. 23, 1951.
Metal water pipe and tubing, pipe and tube fittings, etc. Brass-Craft Manufacturing Company. 552,931-2, Jan. 8; Serial Nos. 535,927-8, published Oct. 23, 1951.
Non-ferrous pipe. Mueller Co. 290,835, renewed Jan. 19, 1952. O. G. Jan. 8.
Packing house equipment. The Albright-Nell Company. 553,005, Jan. 8; Serial No. 583,069, published Sept. 25, 1951.
Port valves, Multiple. Automatic Pump & Softener Corporation. 552,986, Jan. 8; Serial No. 574,812, published Dec. 5 1950.
Valves, Globe and check. Crane Co. 287,818, renewed Oct. 13, 1951. O. G. Jan. 8.
Water faucet hose connections. Knickerbocker Rubber Company. 553,225, Jan. 8; Serial No. 610,179, published Oct. 23, 1951.
Wire, Reeled barbed. Continental Steel Corporation. 552,938, Jan. 8; Serial No. 545,091, published Oct. 23, 1951.
Wire staples. California Wire Products Co., Inc. 553,029, Jan. 8; Serial No. 588,676, published Oct. 23, 1951.

CLASS 14

Die castings. Veeder-Root Incorporated. 289,357, renewed Nov. 24, 1951. O. G. Jan. 8.

CLASS 15

Oil, Fuel, illuminating oil, lubricating oil, etc. Billups Petroleum Company. 384,774, Feb. 4, 1941. Republished Jan 8.
Oil, Fuel, illuminating oil, lubricating oil, etc. Billups Petroleum Company. 389,883, Aug. 26, 1941. Republished Jan. 8.
Oil, Fuel, illuminating oil, lubricating oil, etc. Billups Petroleum Company. 391,180, Oct. 28, 1941. Republished Jan. 8.

CLASS 16

Ceramic ready-mixed under-glaze, glaze, and over-glaze color coatings. P. H. Houser. 553,052, Jan. 8; Serial No. 595,377, published Sept. 4, 1951.
Coating composition, Thermo-setting colored. The American Crayon Company. 552,950, Jan. 8; Serial No. 556,614, published Sept. 4, 1951.
Color concentrates to be mixed with paints. General Paint Corporation. 553,129, Jan. 8; Serial No. 603,920, published Sept. 25, 1951.
Dry powder to be used as a plastic paint. The Muralo Company, Inc. 290,481, renewed Jan. 5, 1952. O. G. Jan. 8.
Enamel, Quick drying synthetic lustreless. Phelan-Faust Paint Mfg. Co. 552,946, Jan. 8; Serial No. 565,717, published Sept. 4, 1951.
Enamels. General Paint Corporation of Canada Limited. 553,109, Jan. 8; Serial No. 602,611, published Sept. 18, 1951.
Finish preservers and waxes. Mirror Bright Polish Co. 552,992, Jan. 8; Serial No. 578,936, published Oct. 16, 1951.
Floor wax. Chemical Service of Baltimore. 553,152, Jan. 8; Serial No. 605,466, published Sept. 18, 1951.
Floor wax. Chemical Service of Baltimore. 553,153, Jan. 8; Serial No. 605,578, published Sept. 4, 1951.
Lacquers. The Sherwin-Williams Company. 553,173, Jan. 8; Serial No. 606,496, published Sept. 18, 1951.
Lacquer, Stop-off, coating lacquers, plastic protective coatings, etc. Michigan Chrome & Chemical Company. 552,979, Jan. 8; Serial No. 571,338, published Oct. 2, 1951.
Paint and varnish remover. Pockrandt, Inc. 553,149, Jan. 8; Serial No. 605,264, published Sept. 25, 1951.
Paint and varnish solvents and removers. Wilson Remover Co. 83,116, re-renewed Aug. 15, 1951. O. G. Jan. 8.
Paint, Enamel, and clear varnish. Minnesota Paints, Inc. 552,928, Jan. 8; Serial No. 527,675, published Sept. 25, 1951.
Paint products. De Soto Paint & Varnish Co. 553,155-6, Jan. 8; Serial Nos. 605,635-6, published Sept. 4, 1951.
Paint, Ready mixed oil. Country Stores Brands, Inc. 552,947, Jan. 8; Serial No. 555,055, published Sept. 4, 1951.
Paint, Ready mixed oil. Country Stores Brands, Inc. 552,948, Jan. 8; Serial No. 555,056, published Sept. 18, 1951.
Paint, Ready-mixed self-leveling flat. Devoe & Raynolds Company, Inc. 552,952, Jan. 8; Serial No. 559,466, published Sept. 25, 1951.
Paint, Water color. Hamilton Dwight Company, Inc. 553,123, Jan. 8; Serial No. 603,449, published Sept. 25, 1951.
Paints. Coating Materials Laboratories, Inc. 553,104, Jan. 8; Serial No. 601,864, published Sept. 11, 1951.
Paints and sealers, Rubber base and varnish base. Red Hand Compositions Company, Inc. 552,987, Jan. 8; Serial No. 574,861, published Sept. 25, 1951.
Paints, Liquid. Synthetic & Industrial Finishes Limited. 553,121, Jan. 8; Serial No. 603,211, published Sept. 25, 1951.
Paints, Pigmented oleo-resinous, and air drying paint enamels. Devoe & Raynolds Company, Inc. 552,954, Jan. 8; Serial No. 559,468, published Sept. 25, 1951.
Paints, Ready-mixed. Devoe & Raynolds Company, Inc. 552,953, Jan. 8; Serial No. 559,467, published Sept. 25, 1951.

Paints, Ready-mixed interior and exterior, paint enamel, varnish, etc. The Hanna Paint Manufacturing Co. 552,982, Jan. 8; Serial No. 572,738, published Sept. 25, 1951.
Paints, Ready mixed liquid, paste, and emulsified, paint enamels, lacquers, etc. The Paraffine Companies, Inc. 552,942, Jan. 8; Serial No. 550,937, published Sept. 25, 1951.
Paints, Ready mixed oil and synthetic, etc. Coast Paint & Chemical Company. 552,922, Jan. 8; Serial No. 499,824, published Oct. 2, 1951.
Paints, varnishes, etc. Steelcote Manufacturing Company. 329,623, Nov. 5, 1935. Republished Jan. 8.
Paints, Washable interior resin paste. Seidlitz Paint & Varnish Co. 552,933, Jan. 8; Serial No. 536,153, published Oct. 2, 1951.
Transparent rubber-free resinous plastic composition. American Silver Company, Inc. 553,013, Jan. 8; Serial No. 585,504, published Feb. 13, 1951.
Varnish, Air drying phenolic. Minnesota Platon Corporation. 552,974, Jan. 8; Serial No. 569,981, published Sept. 4, 1951.
Varnishes and lacquers. Interchemical Corporation. 553,108, Jan. 8; Serial No. 602,557, published Sept. 25, 1951.
Varnishes, liquid coating compositions, etc. Minnesota Linseed Oil Paint Company. 552,934, Jan. 8; Serial No. 539,608, published Sept. 4, 1951.

CLASS 17

Tobacco, Smoking, and cigarettes. A. Levy. 41,324, Oct. 20, 1903. Republished Jan. 8.

CLASS 18

Antibiotic preparation. Chas. Pfizer & Co., Inc. 553,135, Jan. 8; Serial No. 604,741, published July 24, 1951.
Anti-histaminic tablet. Purepac Corporation. 553,024, Jan. 8; Serial No. 587,561, published Aug. 29, 1950.
Antirheumatic, analgesic, antipyretic preparation. Geigy Company, Inc. 553,145, Jan. 8; Serial No. 605,024, published July 31, 1951.
Chemical compositions. The Ottawa Chemical Company. 553,132, Jan. 8; Serial No. 604,103, published Oct. 9, 1951.
Compositions comprising streptomycin and glucuronolactone. Commercial Solvents Corporation. 553,071, Jan. 8; Serial No. 598,522, published July 24, 1951.
Inositol hexanitrate composition. Commercial Solvents Corporation. 553,062, Jan. 8; Serial No. 597,253, published July 31, 1951.
Medical preparation. The Dill Company. 553,033, Jan. 8; Serial No. 589,307, published July 24, 1951.
Medicinal preparation. The Upjohn Company. 553,032, Jan. 8; Serial No. 589,055, published July 31, 1951.
Medicinal preparations. Physiological Chemicals Company, Inc. 444,636, Jan. 8; Serial No. 511,183, published Nov. 2, 1948.
Medicinal tablets. Cabot Chemical Company. 552,996, Jan. 8; Serial No. 580,046, published Aug. 8, 1950.
Oral preparation. Abbott Laboratories. 553,139, Jan. 8; Serial No. 604,829, published July 24, 1951.
Penicillin and dihydrostreptomycin product. Schenley Laboratories, Inc. 553,187, Jan. 8; Serial No. 607,198, published Sept. 18, 1951.
Pharmaceutical preparation. Maggot Products Company. 372,962, Nov. 21, 1939. Republished Jan. 8.
Pharmaceutical preparation. The S. E. Massengill Company. 553,174, Jan. 8; Serial No. 606,537, published July 31, 1951.
Pharmaceutical preparation. Nutrition Research Laboratories, Inc. 553,166, Jan. 8; Serial No. 606,080, published July 24, 1951.
Preparation applied to the skin and the scalp. The Benet Drug Corporation. 553,191, Jan. 8; Serial No. 607,372, published Sept. 11, 1951.
Preparation for the treatment of ailments of the liver, kidneys and bladder, etc. Solution Schoun & Neutadrol. 553,004, Jan. 8; Serial No. 582,656, published July 24, 1951.
Preparation for use in the treatment of peptic ulcers. H. A. Metz Laboratories, Inc. 291,131, renewed Jan. 26, 1952. O. G. Jan. 8.
Sedative. The Douglas Chemical Corporation. 553,012, Jan. 8; Serial No. 585,316, published July 31, 1951.
Serums. The Children's Hospital of Philadelphia. 553,016, Jan. 8; Serial No. 585,830, published Sept. 11, 1951.
Tablets containing monobromisovaleryl urea. Tablerock Laboratories, Inc. 553,127-8, Jan. 8; Serial Nos. 603,903-4, published July 31, 1951.
Veterinary preparation. The S. E. Massengill Company. 553,175, Jan. 8; Serial No. 606,544, published July 31, 1951.
Vitamin C solution. Special Milk Products, Inc. 552,995, Jan. 8; Serial No. 579,842, published Nov. 7, 1950.

CLASS 19

Carts, Foldable shopping. L. S. Wenst. 553,025, Jan. 8; Serial No. 587,772, published Sept. 4, 1951.
Vehicle bodies. Briggs Manufacturing Co. 290,840, renewed Jan. 19, 1952. O. G. Jan. 8.

CLASS 20

Linoleum floor coverings. Pabco Products Inc. 553,277, Jan. 8; Serial No. 598,597.

CLASS 21

Air duct sterilizer units. Coleman-Pettersen Corporation. 552,941, Jan. 8; Serial No. 550,122, published Oct. 16, 1951.
Broilers, Portable electric. R. M. Fairbanks. 553,069, Jan. 8; Serial No. 598,415, published Oct. 9, 1951.
Commercial electrically heated, electrically operated apparatus. Hercules Steel Products Corporation. 552,957, Jan. 8; Serial No. 562,857, published Oct. 9, 1951.
Condenser, Electrical. Cornell-Dubilier Electric Corporation. 553,234, Jan. 8; Serial No. 611,686, published Oct. 9, 1951.
Electric hot plate, Portable table. Star Glow Electric Products, Inc. 444,631, Jan. 8; Serial No. 492,106, published May 17, 1949.
Electric lamp shades. The Associated Merchandising Corporation. 553,228, Jan. 8; Serial No. 610,537, published Oct. 9, 1951.
Electric motor driven tool holders, Hand held. Casco Products Corporation. 553,160, Jan. 8; Serial No. 605,991, published Oct. 23, 1951.
Electrical apparatus. Plymouth Wholesale Dry Goods Corporation. 553,209, Jan. 8; Serial No. 608,566, published Oct. 9, 1951.
Electrical boxes, concrete rings, etc. All-Steel Equipment Inc. 552,945, Jan. 8; Serial No. 554,196, published Oct. 9, 1951.
Electrically heated counter appliances. Hercules Steel Products Corporation. 552,981, Jan. 8; Serial No. 572,100, published Oct. 23, 1951.
Electrically operated machines. Addressograph-Multigraph Corporation. 553,113, Jan. 8; Serial No. 602,664, published Oct. 9, 1951.
Fans, Electric. Bennett Asquith. 444,639, Jan. 8; Serial No. 522,550, published Dec. 9, 1947.
Generators and motors, Electric, electric batteries and accumulators, etc. Compagnie Generale d'Electricite. 553,193, Jan. 8; Serial No. 607,580, published Oct. 9, 1951.
Lighting fixtures, Electric. Moe Light, Inc. 553,230, Jan. 8; Serial No. 610,860, published Oct. 9, 1951.
Lightning protection apparatus. Independent Protection Co. Inc. 553,125, Jan. 8; Serial No. 603,531, published Sept. 25, 1951.
Luminous fluorescent signs and displays and parts thereof. Defiance Manufacturing Company, Inc. 553,100, Jan. 8; Serial No. 601,538, published Oct. 9, 1951.
Motors, Electric, switch box covers, and electric welders. Rockwell Manufacturing Company. 553,232, Jan. 8; Serial No. 611,539, published Oct. 16, 1951.
Permanent magnets and magnetic alloys and compositions. Carboloy Company, Inc. 553,188, Jan. 8; Serial No. 607,215, published Oct. 9, 1951.
Printing machines, Electrically operated. Addressograph-Multigraph Corporation. 553,110-12, Jan. 8; Serial Nos. 602,661-3, published Oct. 9, 1951.
Printing machines, Electrically operated. Addressograph-Multigraph Corporation. 553,114, Jan. 8; Serial No. 602,665, published Oct. 9, 1951.
Refrigerators, Household, refrigeration condensing units, electrical water coolers. International Standard Electric Corporation. 552,973, Jan. 8; Serial No. 569,702, published Sept. 18, 1951.
Scrubbing and wax polishing machine, Electric floor. S. C. Johnson & Son, Inc. 553,280, Jan. 8; Serial No. 599,246.
Signs and transformers, Electric. GHN Neon Co. 553,170, Jan. 8; Serial No. 606,291, published Sept. 25, 1951.
Spark plugs. Firestone Battery Company. 284,346, renewed June 23, 1951. O. G. Jan. 8.
Spark plugs. Firestone Battery Company. 285,733, renewed Aug. 4, 1951. O. G. Jan. 8.
Spray guns, Electric motor-operated portable. Payswell Products Corporation. 552,969, Jan. 8; Serial No. 567,645, published Sept. 11, 1951.
Welding machinery, Electric. Swift Electric Welder Company. 553,099, Jan. 8; Serial No. 601,483, published Sept. 25, 1951.

CLASS 22

Artificial bait. The Enterprise Manufacturing Company. 287,806, renewed Oct. 13, 1951. O. G. Jan. 8.
Casings for punch boards. Mercon Inc. 553,294, Jan. 8; Serial No. 608,938.
Fish lines. The Enterprise Manufacturing Company. 289,901, renewed Dec. 15, 1951. O. G. Jan. 8.
Fishing tackle. Ed. Lane & Co. 553,255, Jan. 8; Serial No. 512,005.
Golf balls. The Hecht Company. 553,284, Jan. 8; Serial No. 601,039.

CLASS 23

Automatic hose winding machines and housings therefor, etc. John Wood Company. 553,037, Jan. 8; Serial No. 590,539, published Oct. 9, 1951.

CLASS 10

Tankage. The National Utilization Co., 84,509, re-renewed Dec. 19, 1951. O. G. Jan. 8.
Tankage. The National Utilization Co. 84,790, re-renewed Jan. 2, 1952. O. G. Jan. 8.

CLASS 11

Tempera colors in liquid form used as an ink. The Carter's Ink Company. 552,943. Jan. 8; Serial No. 551,524, published July 24, 1951.

CLASS 12

Adjustable shores. Baker Roos, Inc. 553,184, Jan. 8; Serial No. 606,965, published Sept. 11, 1951.
Building blocks, Prepared. The Union Sand and Supply Corporation. 553,055, Jan. 8; Serial No. 595,922, published Aug. 7, 1951.
Cement, Caulk and roofing. Steelcote Manufacturing Company. 275,717. Sept. 30, 1930. Republished Jan. 8.
Cement, Corrosion resistant. The Atlas Mineral Products Company of Pennsylvania. 553,217, Jan. 8; Serial No. 609,068, published Aug. 28, 1951.
Cement, Hydraulic. Universal Atlas Cement Company. 553,133, Jan. 8; Serial No. 604,501, published Aug. 28, 1951.
Cement, Roof, and calking cements. Hockaday, Inc. 553,200, Jan. 8; Serial No. 608,002, published Sept. 11, 1951.
Cement stone slabs, Colored. Beard Builders. 553,158, Jan. 8; Serial No. 605,839, published Aug. 7, 1951.
Construction materials. The Lebon Company. 444,638, Jan. 8; Serial No. 520,725, published Sept. 18, 1951.
Doors, Fir. Fir Door Institute. 553,254, Jan. 8; Serial No. 603,780 published Aug 28, 1951.
Doors, Soundproof. Hardwood Products Corporation. 553,213, Jan. 8; Serial No. 608,704, published Aug. 28, 1951.
Doors, windows, complete window units, etc. Associated Door and Plywood Company. 553,176, Jan. 8; Serial No 606,691, published Aug. 28, 1951.
Fire brick. A. P. Green Fire Brick Company. 553,154, Jan. 8; Serial No. 605,583, published Aug. 28, 1951.
Fire doors, Steel rolling. The Cookson Company. 553,226, Jan. 8; Serial No. 610,257, published Aug. 28, 1951.
Lime, Hydrated. The Woodville Lime Products Company. 553,210, Jan. 8; Serial No. 608,583, published Aug. 7, 1951.
Material in the nature of Portland cement. The Master Builders Company. 290,430. Jan. 5, 1932. Corrected. O. G. Jan. 8.
Molding or casting plaster. Certain-teed Products Corporation. 553,107, Jan. 8; Serial No. 602,546, published Sept. 11, 1951.
Plaster, Beautex Plaster Manufacturing Company. 552,976, Jan. 8; Serial No. 570,284, published Aug. 28, 1951.
Plywood. Plywood Incorporated. 553,136, Jan. 8; Serial No. 604,743, published Aug. 7, 1951.
Plywood, unfinished and finished lumber. Lehwood Corporation 553,047, Jan. 8; Serial No. 594,130, published Aug. 7, 1951.
Sealing strips, Flexible. Keller Products, Inc. 553,206, Jan. 8; Serial No 608,459, published Sept. 11, 1951.
Shingles. Certain-teed Products Corporation. 553,106, Jan. 8; Serial No. 602,545, published Sept 11, 1951.
Shingles, Composition. The Ruberoid Co. 292,567, renewed Mar. 15 1952. O. G. Jan. 8.
Steel structural shapes, metal road and garden curbing, etc. Joseph T. Ryerson & Son, Inc. 552,963–4, Jan. 8; Serial Nos. 564,902–3, published Aug 28, 1951.
Tile, Plastic floor. Johns-Manville Corporation. 552,971, Jan. 8; Serial No. 569,207, published Sept. 11, 1951.
Tile, Wall. Robertson Manufacturing Company. 552,989, Jan. 8; Serial No. 578,364, published Sept. 11, 1951.
Tiles, Wall. Hunter Douglas Corporation. 553,171, Jan. 8; Serial No. 606,381, published Aug. 28, 1951.
Windows and parts thereof, Metal, window screens, metal doors, etc. Truscon Steel Company. 553,049, Jan. 8; Serial No. 594,818, published Aug. 14, 1951.
Windows, Combination. The Burrowes Corporation. 553,147, Jan. 8; Serial No. 605,195, published Sept. 11, 1951.
Windows, Storm. The Columbia Mills, Inc. 553,148, Jan. 8; Serial No. 605,199, published Aug. 7, 1951.

CLASS 13

Combined waste and overflows and parts of same, traps, etc. H. Mueller Manufacturing Company. 85,269, re-renewed Feb. 6, 1952. O. G. Jan. 8.
Grommets. Collord, Incorporated. 553,036, Jan. 8; Serial No. 590,352, published Oct. 16, 1951.
Hinges. Brownie Hinge & Specialties. 553,233, Jan. 8; Serial No. 611,638, published Oct. 23, 1951.
Lock-nuts and bolts. The Delron Company, Inc. 553,207, Jan. 8; Serial No. 608,496, published Oct. 23, 1951.
Metal tray and clamp, Combined. H. M. Peters. 553,092, Jan. 8; Serial No. 600,348, published Oct. 23, 1951.
Metal water pipe and tubing, pipe and tube fittings, etc. Brass-Craft Manufacturing Company. 552,931–2, Jan. 8; Serial Nos. 535,927–8, published Oct. 23, 1951.
Non-ferrous pipe. Mueller Co. 290,835, renewed Jan. 19, 1952. O. G. Jan. 8.
Packing house equipment. The Allbright-Nell Company. 553,005, Jan. 8; Serial No. 583,089, published Sept. 25, 1951.
Port valves, Multiple. Automatic Pump & Softener Corporation. 552,986, Jan. 8; Serial No. 574,812, published Dec. 5 1950.
Valves, Globe and check. Crane Co. 287,818, renewed Oct. 13, 1951. O. G. Jan. 8.
Water faucet hose connections. Knickerbocker Rubber Company. 553,225, Jan. 8; Serial No. 610,179, published Oct. 23, 1951.
Wire, Reeled barbed. Continental Steel Corporation. 552,938, Jan. 8; Serial No. 545,091, published Oct. 23, 1951.
Wire staples. California Wire Products Co., Inc. 553,029, Jan. 8; Serial No. 588,676, published Oct. 23, 1951.

CLASS 14

Die castings. Veeder-Root Incorporated. 289,357, renewed Nov. 24, 1951. O. G. Jan. 8.

CLASS 15

Oil, Fuel, illuminating oil, lubricating oil, etc. Billups Petroleum Company. 384,774, Feb. 4, 1941. Republished Jan 8.
Oil, Fuel, illuminating oil, lubricating oil, etc. Billups Petroleum Company. 389,883, Aug. 26, 1941. Republished Jan. 8.
Oil, Fuel, illuminating oil, lubricating oil, etc. Billups Petroleum Company. 391,180, Oct. 28, 1941. Republished Jan. 8.

CLASS 16

Ceramic ready-mixed under-glaze, glaze, and over-glaze color coatings. P. H. Houser. 553,052, Jan. 8; Serial No. 595,377, published Sept. 4, 1951.
Coating composition, Thermo-setting colored. The American Crayon Company. 552,950, Jan. 8; Serial No. 556,614, published Sept. 4, 1951.
Color concentrates to be mixed with paints. General Paint Corporation. 553,129, Jan. 8; Serial No. 603,920, published Sept. 25, 1951.
Dry powder to be used as a plastic paint. The Muralo Company, Inc. 290,481, renewed Jan. 5, 1952. O. G. Jan. 8.
Enamel, Quick drying synthetic lustreless. Phelan-Faust Paint Mfg. Co. 552,966, Jan. 8; Serial No. 565,717, published Sept. 4, 1951.
Enamels. General Paint Corporation of Canada Limited. 553,109, Jan. 8; Serial No. 602,611, published Sept. 18, 1951.
Finish preservers and waxes. Mirror Bright Polish Co. 552,992, Jan. 8; Serial No. 578,936, published Oct. 16, 1951.
Floor wax. Chemical Service of Baltimore. 553,152, Jan. 8; Serial No. 605,466, published Sept. 18, 1951.
Floor wax. Chemical Service of Baltimore. 553,153, Jan. 8; Serial No. 605,578, published Sept. 4, 1951.
Lacquers. The Sherwin-Williams Company. 553,173, Jan. 8; Serial No. 606,496, published Sept. 18, 1951.
Lacquer, Stop-off, coating lacquers, plastic protective coatings, etc. Michigan Chrome & Chemical Company. 552,979, Jan. 8; Serial No. 571,338, published Oct. 2, 1951.
Paint and varnish remover. Pockrandt, Inc. 553,149, Jan. 8; Serial No. 605,264, published Sept. 25, 1951.
Paint and varnish solvents and removers. Wilson Remover Co. 83,116, re-renewed Aug. 15, 1951. O. G. Jan. 8.
Paint, Enamel, and clear varnish. Minnesota Paints, Inc. 552,928, Jan. 8; Serial No. 527,675, published Sept. 25, 1951.
Paint products. De Soto Paint & Varnish Co. 553,155–6, Jan. 8; Serial Nos. 605,635–6, published Sept. 4, 1951.
Paint, Ready mixed oil. Country Stores Brands, Inc. 552,947, Jan. 8; Serial No. 555,055, published Sept. 4, 1951.
Paint, Ready mixed oil. Country Stores Brands, Inc. 552,948, Jan. 8; Serial No. 555,056, published Sept. 18, 1951.
Paint, Ready-mixed self-leveling flat. Devoe & Raynolds Company, Inc. 552,952, Jan. 8; Serial No. 559,466, published Sept. 25, 1951.
Paint, Water color. Hamilton Dwight Company, Inc. 553,123, Jan. 8; Serial No. 603,449, published Sept. 25, 1951.
Paints. Coating Materials Laboratories, Inc. 553,104, Jan. 8; Serial No. 601,864, published Sept. 11, 1951.
Paints and sealers, Rubber base and varnish base. Red Hand Compositions Company, Inc. 552,987, Jan. 8; Serial No. 574,861, published Sept. 25, 1951.
Paints, Liquid. Synthetic & Industrial Finishes Limited. 553,121, Jan. 8; Serial No. 603,211, published Sept. 25, 1951.
Paints, Pigmented oleo-resinous, and air drying paint enamels. Devoe & Raynolds Company, Inc. 552,954, Jan. 8; Serial No. 559,468, published Sept. 25, 1951.
Paints, Ready-mixed. Devoe & Raynolds Company, Inc. 552,953, Jan. 8; Serial No. 559,467, published Sept. 25, 1951.

Paints, Ready-mixed interior and exterior, paint enamel, varnish, etc. The Hanna Paint Manufacturing Co. 552,982, Jan. 8; Serial No. 572,738, published Sept. 25, 1951.
Paints, Ready mixed liquid, paste, and emulsified, paint enamels, lacquers, etc. The Paraffine Companies, Inc. 552,942, Jan. 8; Serial No. 550,937, published Sept. 25, 1951.
Paints, Ready mixed oil and synthetic, etc. Coast Paint & Chemical Company. 552,922, Jan. 8; Serial No. 499,824, published Oct. 2, 1951.
Paints, varnishes, etc. Steelcote Manufacturing Company. 329,623, Nov. 5, 1935. Republished Jan. 8.
Paints, Washable interior resin paste. Seidlitz Paint & Varnish Co. 552,933, Jan. 8; Serial No. 536,153, published Oct. 2, 1951.
Transparent rubber-free resinous plastic composition. American Silver Company, Inc. 553,013, Jan. 8; Serial No. 585,504, published Feb. 13, 1951.
Varnish, Air drying phenolic. Minnesota Platon Corporation. 552,974, Jan. 8; Serial No. 569,981, published Sept. 4, 1951.
Varnishes and lacquers. Interchemical Corporation. 553,108, Jan. 8; Serial No. 602,557, published Sept. 25, 1951.
Varnishes, liquid coating compositions, etc. Minnesota Linseed Oil Paint Company. 552,934, Jan. 8; Serial No. 539,608, published Sept. 4, 1951.

CLASS 17

Tobacco, Smoking, and cigarettes. A. Levy. 41,324, Oct. 20, 1903. Republished Jan. 8.

CLASS 18

Antibiotic preparation. Chas. Pfizer & Co., Inc. 553,135, Jan. 8; Serial No. 604,741, published July 24, 1951.
Anti-histaminic tablet. Purepac Corporation. 553,024, Jan. 8; Serial No. 587,561, published Aug. 29, 1950.
Antirheumatic, analgesic, antipyretic preparation. Geigy Company, Inc. 553,145, Jan. 8; Serial No. 605,024, published July 31, 1951.
Chemical compositions. The Ottawa Chemical Company. 553,132, Jan. 8; Serial No. 604,103, published Oct. 9, 1951.
Compositions comprising streptomycin and glucuronolactone. Commercial Solvents Corporation. 553,071, Jan. 8; Serial No. 598,522, published July 24, 1951.
Inositol hexanitrate composition. Commercial Solvents Corporation. 553,062, Jan. 8; Serial No. 597,253, published July 31, 1951.
Medical preparation. The Dill Company. 553,033, Jan. 8; Serial No. 589,307, published July 24, 1951.
Medicinal preparation. The Upjohn Company. 553,032, Jan. 8; Serial No. 589,055, published July 31, 1951.
Medicinal preparations. Physiological Chemicals Company, Inc. 444,636, Jan. 8; Serial No. 511,183, published Nov. 2, 1948.
Medicinal tablets. Cabot Chemical Company. 552,996, Jan. 8; Serial No. 580,046, published Aug. 8, 1950.
Oral preparation. Abbott Laboratories. 553,139, Jan. 8; Serial No. 604,829, published July 24, 1951.
Penicillin and dihydrostreptomycin product. Schenley Laboratories, Inc. 553,187, Jan. 8; Serial No. 607,198, published Sept. 18, 1951.
Pharmaceutical preparation. Maggot Products Company. 372,962, Nov. 21, 1939. Republished Jan. 8.
Pharmaceutical preparation. The S. E. Massengill Company. 553,174, Jan. 8; Serial No. 606,537, published July 31, 1951.
Pharmaceutical preparation. Nutrition Research Laboratories, Inc. 553,166, Jan. 8; Serial No. 606,080, published July 24, 1951.
Preparation applied to the skin and the scalp. The Benet Drug Corporation. 553,191, Jan. 8; Serial No. 607,372, published Sept. 11, 1951.
Preparation for the treatment of ailments of the liver, kidneys and bladder, etc. Solution Schoum & Neutradrol. 553,004, Jan. 8; Serial No. 582,656, published July 24, 1951.
Preparation for use in the treatment of peptic ulcers. H. A. Metz Laboratories, Inc. 291,131, renewed Jan. 26, 1952. O. G. Jan. 8.
Sedative. The Douglas Chemical Corporation. 553,012, Jan. 8; Serial No. 585,316, published July 31, 1951.
Serums. The Children's Hospital of Philadelphia. 553,016, Jan. 8; Serial No. 585,830, published Sept. 11, 1951.
Tablets containing monobromisovaleryl urea. Tablerock Laboratories, Inc. 553,127–8, Jan. 8; Serial Nos. 603,903–4, published July 31, 1951.
Veterinary preparation. The S. E. Massengill Company. 553,175, Jan. 8; Serial No. 606,544, published July 31, 1951.
Vitamin C solution. Special Milk Products, Inc. 552,995, Jan. 8; Serial No. 579,842, published Nov. 7, 1950.

CLASS 19

Carts, Foldable shopping. L. S. Weast. 553,025, Jan. 8; Serial No. 587,772, published Sept. 4, 1951.
Vehicle bodies. Briggs Manufacturing Co. 290,840, renewed Jan. 19, 1952. O. G. Jan. 8.

CLASS 20

Linoleum floor coverings. Pabco Products Inc. 553,277, Jan. 8; Serial No. 598,597.

CLASS 21

Air duct sterilizer units. Coleman-Pettersen Corporation. 552,941, Jan. 8; Serial No. 550,122, published Oct. 16, 1951.
Broilers, Portable electric. R. M. Fairbanks. 553,069, Jan. 8; Serial No. 598,415, published Oct. 9, 1951.
Commercial electrically heated, electrically operated apparatus. Hercules Steel Products Corporation. 552,957, Jan. 8; Serial No. 562,857, published Oct. 9, 1951.
Condenser, Electrical. Cornell-Dubilier Electric Corporation. 553,234, Jan. 8; Serial No. 611,686, published Oct. 9, 1951.
Electric hot plate, Portable table. Star Glow Electric Products, Inc. 444,631, Jan. 8; Serial No. 492,106, published May 17, 1949.
Electric lamp shades. The Associated Merchandising Corporation. 553,228, Jan. 8; Serial No. 610,537, published Oct. 9, 1951.
Electric motor driven tool holders, Hand held. Casco Products Corporation. 553,160, Jan. 8; Serial No. 605,991, published Oct. 23, 1951.
Electrical apparatus. Plymouth Wholesale Dry Goods Corporation. 553,209, Jan. 8; Serial No. 608,566, published Oct. 9, 1951.
Electrical boxes, concrete rings, etc. All-Steel Equipment Inc. 552,945, Jan. 8; Serial No. 554,196, published Oct. 9, 1951.
Electrically heated counter appliances. Hercules Steel Products Corporation. 552,981, Jan. 8; Serial No 572,100, published Oct. 23, 1951.
Electrically operated machines. Addressograph-Multigraph Corporation. 553,113, Jan. 8; Serial No 602,664, published Oct. 9, 1951.
Fans, Electric. Bennett Asquith. 444,639, Jan. 8; Serial No. 522,550, published Dec. 9, 1947.
Generators and motors, Electric, electric batteries and accumulators, etc. Compagnie Generale d'Electricite. 553,193, Jan. 8; Serial No. 607,580, published Oct. 9, 1951.
Lighting fixtures, Electric. Moe Light, Inc. 553,230, Jan. 8; Serial No. 610,860, published Oct. 9, 1951.
Lightning protection apparatus. Independent Protection Co., Inc. 553,125, Jan. 8; Serial No. 603,531, published Sept. 25, 1951.
Luminous fluorescent signs and displays and parts thereof. Defiance Manufacturing Company, Inc. 553,100, Jan. 8; Serial No. 601,538, published Oct. 9, 1951.
Motors, Electric, switch box covers, and electric welders. Rockwell Manufacturing Company. 553,232, Jan. 8; Serial No. 611,539, published Oct. 16, 1951.
Permanent magnets and magnetic alloys and compositions. Carboloy Company, Inc. 553,188, Jan. 8; Serial No. 607,215, published Oct. 9, 1951.
Printing machines, Electrically operated. Addressograph-Multigraph Corporation. 553,110–12, Jan. 8; Serial Nos. 602,661–3, published Oct. 9, 1951.
Printing machines, Electrically operated. Addressograph-Multigraph Corporation. 553,114, Jan. 8; Serial No. 602,665, published Oct. 9, 1951.
Refrigerators, Household, refrigeration condensing units, electrical water coolers. International Standard Electric Corporation. 552,973, Jan. 8; Serial No. 569,702, published Sept. 18, 1951.
Scrubbing and wax polishing machine, Electric floor. S. C. Johnson & Son, Inc. 553,280, Jan. 8; Serial No. 599,246.
Signs and transformers, Electric. GHN Neon Co. 553,170, Jan. 8; Serial No. 606,291, published Sept. 25, 1951.
Spark plugs. Firestone Battery Company. 284,346, renewed June 23, 1951. O. G. Jan. 8.
Spark plugs. Firestone Battery Company. 285,733, renewed Aug. 4, 1951. O. G. Jan. 8.
Spray guns, Electric motor-operated portable. Payswell Products Corporation. 552,969, Jan. 8; Serial No. 567,645, published Sept. 11, 1951.
Welding machinery, Electric. Swift Electric Welder Company. 553,099, Jan. 8; Serial No. 601,483, published Sept. 25, 1951.

CLASS 22

Artificial bait. The Enterprise Manufacturing Company. 287,806, renewed Oct. 13, 1951. O. G. Jan. 8.
Casings for punch boards. Mercon Inc. 553,294, Jan. 8; Serial No. 608,938.
Fish lines. The Enterprise Manufacturing Company. 289,901, renewed Dec. 15, 1951. O. G. Jan. 8.
Fishing tackle. Ed. Lane & Co. 553,255, Jan. 8; Serial No. 512,005.
Golf balls. The Hecht Company. 553,284, Jan. 8; Serial No. 601,039.

CLASS 23

Automatic hose winding machines and housings therefor, etc. John Wood Company. 553,037, Jan. 8; Serial No. 590,539, published Oct. 9, 1951.

Automatic tag marking and affixing machines. The Monarch Marking System Company. 553,212, Jan. 8; Serial No. 608,661, published Oct. 2, 1951.
Cargo winches. Lake Shore Engineering Company. 552,972, Jan. 8; Serial No. 569,526, published Sept. 18, 1951.
Drill bits, Diamond set. Wheel Truing Tool Company. 553,007, Jan. 8; Serial No. 583,304, published June 26, 1951.
Gas-mixing apparatus, carburetors, pressure-regulators. "Selas" Gesellschaft mit beschrankter Haftung. 84,344, re-renewed Nov. 28, 1951. O. G. Jan. 8.
Lawnmowers. Monark Silver King, Inc. 553,137, Jan. 8; Serial No. 604,790, published Oct. 9, 1951.
Lawnmowers. Monark Silver King, Inc. 553,142, Jan. 8; Serial No. 604,918, published Sept. 18, 1951.
Lawn mowers. The E. T. Rugg Company. 553,224, Jan. 8; Serial No. 609,816, published Sept. 25, 1951.
Machine for the production of Venetian blind steel head channels, steel bottom rails, etc. Carey-McFall Company. 553,078, Jan. 8; Serial No. 599,082, published Oct. 9, 1951.
Machines for making paper bags and tubes, etc. Potdevin Machine Company. 552,999, Jan. 8; Serial No. 580,261, published Sept. 18, 1951.
Power pullers, Hand operated, cable-type. The Wyeth-Scott Company. 552,985, Jan. 8; Serial No. 573,517, published Sept. 25, 1951.
Printing machines, Planographic. A. B. Dick Company. 553,211, Jan. 8; Serial No. 608,652, published Oct. 9, 1951.
Pumps, Centrifugal. Pennsylvania Pump and Compressor Company. 553,299, Jan. 8; Serial No. 613,854.
Renewable edges for plowshares. The Silver Streak Manufacturing Co. 552,940, Jan. 8; Serial No. 547,876, published Oct. 2, 1951.
Sawdust Blowers. Chase Turbine Mfg. Co. 552,956, Jan. 8; Serial No. 562,320, published Sept. 18, 1951.
Sewing machines, and sewing machine parts. Necchi Sewing Machine Sales Corp. 553,017, Jan. 8; Serial No. 585,856, published Sept. 25, 1951.
Threading taps. Sossner Tap and Tool Corporation. 553,081, Jan. 8; Serial No. 599,197, published Oct. 2, 1951.
Tractors. The Oliver Corporation. 552,977, Jan. 8; Serial No. 570,316, published Sept. 18, 1951.
Tire repair equipment. Super Mold Corporation of California. 552,968, Jan. 8; Serial No. 567,282, published Oct. 2, 1951.

CLASS 24

Laundry machinery. The American Laundry Machinery Company. 553,275, Jan. 8; Serial No. 593,047.
Laundry machinery or apparatus, Commercial. The American Laundry Machinery Company. 553,091, Jan. 8; Serial No. 600,249, published Oct. 16, 1951.
Starching machines. G. H. Bishop Co. 553,027, Jan. 8; Serial No. 588,363, published Oct. 16, 1951.

CLASS 25

Locksets, Door. Aug. Stenman Aktiebolag. 553,235, Jan. 8; Serial No. 611,751, published Oct. 16, 1951.

CLASS 26

Butter and margarine measure for measuring quarter pound prints thereof. P. V. Shell. 553,199, Jan. 8; Serial No. 607,968, published Oct. 9, 1951.
Cameras, Photographic, photographic dark rooms, etc. Colormatic Co. of America. 552,970, Jan. 8; Serial No. 569,191, published Oct. 9, 1951.
Door interviewers. The Arthur-Lloyd Corp. 552,951, Jan. 8; Serial No. 559,271, published Oct. 9, 1951.
Drafting machines. Scintilla Ltd. 552,939, Jan. 8; Serial No. 547,665, published Oct. 2, 1951.
Lenses for goggles and helmets, Plastic cover. Willson Products, Inc. 553,204, Jan. 8; Serial No. 608,331, published Oct. 2, 1951.
Lenses, Photographic. Burleigh Brooks Co. 553,222, Jan. 8; Serial No. 609,586, published Oct. 2, 1951.
Phonograph-slide projector, Combination. M. Ronick. 553,083, Jan. 8; Serial No. 599,783, published Oct. 2, 1951.
Recorder or indicator, Electronic type. The Hays Corporation. 552,959, Jan. 8; Serial No. 563,407, published Oct. 2, 1951.
Refractory crucibles for analysis of metals. Lindberg Engineering Company. 553,103, Jan. 8; Serial No. 601,680, published Oct. 2, 1951.
Testing equipment, Electronic. Video Television, Inc. 553,058, Jan. 8; Serial No. 596,886, published Oct. 9, 1951.
Testing instruments. Bacharach Industrial Instrument Company. 552,975, Jan. 8; Serial No. 570,038, published Oct. 9, 1951.
Welding helmets, welding hand shields, etc. The Fibre Metal Products Company. 553,124, Jan. 8; Serial No. 603,521, published Oct. 2, 1951.

CLASS 27

Watches. Manhattan Novelty Corporation. 553,119, Jan. 8; Serial No. 607,224, published Oct. 23, 1951.
Watches and clocks. Felca S. A. 553,183, Jan. 8; Serial No. 606,938, published Sept. 27, 1951.
Watches, watch movements, and parts thereof. A. Blumstein, Inc. 553,011, Jan. 8; Serial No. 584,792, published Sept. 25, 1951.

CLASS 28

Badges, Fraternity, lapel buttons, etc. Beta Theta Pi. 287,743, renewed Oct. 6, 1951. O. G. Jan. 8.
Jewelry. Forstner Chain Corporation. 552,994, Jan. 8; Serial No. 579,812, published Sept. 25, 1951.

CLASS 29

Brooms. The New York Association for the Blind, Inc. 553,161, Jan. 8; Serial No. 606,029, published July 24, 1951.
Brooms. The New York Association for the Blind, Inc. 553,162, Jan. 8; Serial No. 606,031, published July 24, 1951.
Brooms. The New York Association for the Blind, Inc. 553,163, Jan. 8; Serial No. 606,038, published July 24, 1951.
Brooms. The New York Association for the Blind, Inc. 553,164, Jan. 8; Serial No. 606,040, published July 24, 1951.
Brooms, Household. Richmond Broom Company. 553,094, Jan. 8; Serial No. 600,511, published Sept. 4, 1951.
Brushes, Painters'. Whiting-Adams Company, Inc. 552,991, Jan. 8; Serial No. 577,242, published May 2, 1950.
Brushes, Tooth. Weco Products Company. 363,630, Jan. 3, 1939. Republished Jan. 8.
Mops, mop heads, and mop swabs. American Standard Mfg. Co. 553,057, Jan. 8; Serial No. 596,703, published Aug. 7, 1951.
Toothbrushes. C. W. Carey. 553,198, Jan. 8; Serial No. 607,929, published July 31, 1951.

CLASS 30

Vases, trays, cups, etc. Societa Ceramica Richard-Ginori. 553,021, Jan. 8; Serial No. 586,199, published Sept. 25, 1951.

CLASS 31

Coolers, Milk, freezers, low-temperature storage cabinets, etc. Wilson Refrigeration, Inc. 553,216, Jan. 8; Serial No. 608,804, published Aug. 28, 1951.
Dust collectors. Omega Machine Company. 553,001, Jan. 8; Serial No. 581,203, published Sept. 18, 1951.
Filter aid. Great Lakes Carbon Corporation. 553,044, Jan. 8; Serial No. 593,408, published Sept. 4, 1951.
Filter media, Air porous, sheet-like. American Air Filter Company, Inc. 553,028, Jan. 8; Serial No. 588,614, published Sept. 18, 1951.
Filter media, Air porous, sheet-like. American Air Filter Company, Inc. 553,031, Jan. 8; Serial No. 588,925, published Sept. 18, 1951.
Filters, Industrial air. Pangborn Corporation. 553,101, Jan. 8; Serial No. 601,562, published Oct. 9, 1951.
Ice boxes, Portable. American Gas Machine Company. 552,925, Jan. 8; Serial No. 514,679, published Sept. 4, 1951.
Molded desiccant material, Remco, Incorporated. 553,229, Jan. 8; Serial No. 610,761, published Sept. 18, 1951.
Refrigerated bottle containers, refrigerated salad display tables, refrigerated ice-cream cabinets, etc. Anderson Wagner Inc. 444,632, Jan. 8; Serial No. 495,937, published Sept. 4, 1951.
Refrigeration apparatus and parts thereof, Mechanical. Carrier Corporation. 553,097, Jan. 8; Serial No. 601,309, published Oct. 9, 1951.
Refrigeration apparatus and parts thereof, Mechanical. Carrier Corporation. 553,098, Jan. 8; Serial No. 601,310, published Oct. 2, 1951.
Refrigerators, Electric. Glenwood Range Company. 553,231, Jan. 8; Serial No. 610,963, published Sept. 18, 1951.
Water softening apparatus. Oilux Corporation. 552,980, Jan. 8; Serial No. 571,912, published Sept. 18, 1951.

CLASS 32

Bed and chair, Combined. Superior Sleeprite Corporation. 553,276, Jan. 8; Serial No. 593,248.
Cabinets and parts thereof, Metal kitchen. Western Metalcraft, Inc. 553,264, Jan. 8; Serial No. 574,937.
Cabinets, Steel bath room, steel kitchen cabinets, etc. United Metal Box Co., Inc. 552,937, Jan. 8; Serial No. 544,940, published Oct. 2, 1951.
Kitchen equipment, Custom-built. Coppes, Inc. 553,293, Jan. 8; Serial No. 607,006.
Mattresses. Star Bedding Company of Pittsburgh. 553,270, Jan. 8; Serial No. 585,868.

CLASS 34

Hood adapted to be mounted above a cooking stove. R. B. Sonntag. 553,272, Jan. 8; Serial No. 589,598.
Torches, Gasolene-operated. The Turner Brass Works. 85,526, re-renewed Feb. 20, 1952. O. G. Jan. 8.

CLASS 35

Elastic vehicle-tires. The Goodyear Tire & Rubber Company. 85,434, re-renewed Feb. 20, 1952. O. G. Jan. 8.

CLASS 36

Accordions, mouth organs, bandonions, etc. E. A. Bengtsson. 552,960, Jan. 8; Serial No. 563,453, published Oct. 23, 1951.
Mouthpieces for musical wind instruments. W. Lewis. 552,958, Jan. 8; Serial No. 563,124, published Oct. 23, 1951.
Musical horns. F. A. Reynolds Co. Inc. 553,138, Jan. 8; Serial No. 604,808, published Oct. 23, 1951.
Musical instruments. Hoosier Band Instrument Co. Inc. 553,105, Jan. 8; Serial No. 602,399, published Oct. 23, 1951.
Phonograph records, Grooved. Mercury Record Corporation. 553,056, Jan. 8; Serial No. 596,291, published Oct. 23, 1951.
Phonograph records, Mechanically grooved. Commodore Record Co., Inc. 552,926, Jan. 8; Serial No. 518,717, published Oct. 23, 1951.

CLASS 37

Paper, Coated. Ireland & Taub Paper Company, Inc. 290,804, renewed Jan. 19, 1952. O. G. Jan. 8.
Writing-paper. American Writing Paper Company. 84,804, re-renewed Jan. 9, 1952. O. G. Jan. 8.
Writing-paper. American Writing Paper Company. 85,030, re-renewed Jan. 23, 1952. O. G. Jan. 8.

CLASS 38

Advertising pieces and literature. American Furniture Sales Company. 553,150, Jan. 8; Serial No. 605,344, published Oct. 2, 1951.
Books. N. G. R. Schöldberg. 552,988, Jan. 8; Serial No. 574,928, published Oct. 2, 1951.
Books, Printed. C. Schuchardt. 553,169, Jan. 8; Serial No. 606,240, published Oct. 16, 1951.
Columns or sections of periodical publications, Broadcasting Publications, Inc. 552,949, Jan. 8; Serial No. 555,148, published Oct. 2, 1951.
House organ. Sandoz Chemical Works, Inc. 553,195, Jan. 8; Serial No. 607,722, published Oct. 2, 1951.
Magazine. Alfred M. Best Company, Inc. 553,288, Jan. 8; Serial No. 605,138.
Magazine. The Franciscan Fathers of the Province of Our Lady of Consolation, Inc. 552,984, Jan. 8; Serial No. 573,420, published Oct. 16, 1951.
Magazine. Ziff-Davis Publishing Company. 553,130, Jan. 8; Serial No. 603,978, published Oct. 9, 1951.
Magazine. Ziff-Davis Publishing Company. 553,141, Jan. 8; Serial No. 604,878, published Oct. 2, 1951.
Magazine. Ziff-Davis Publishing Company. 553,287, Jan. 8; Serial No. 603,972.
Magazine, Children's. Diamond Sales Corporation. 553,077, Jan. 8; Serial No. 598,897, published Oct. 2, 1951.
Magazines, Comic, stories in text and pictorial form, etc. The Eastern Color Printing Company. 553,273, Jan. 8; Serial No. 590,263.
Pamphlets and other publications. Libby, McNeill & Libby. 553,000, Jan. 8; Serial No. 581,137, published Oct. 2, 1951.
Periodical. American Trade Publishing Company. 553,180, Jan. 8; Serial No. 606,845, published Oct. 2, 1951.
Periodical. Haire Publishing Company. 553,207, Jan. 8; Serial No. 611,841.
Periodical. Hat Corporation of America. 553,289, Jan. 8; Serial No. 605,419.
Periodical. Hibbard, Spencer, Bartlett and Company. 553,197, Jan. 8; Serial No. 607,815, published Oct. 16, 1951.
Periodical. McGraw-Hill Publishing Company, Inc. 553,279, Jan. 8; Serial No. 599,108.
Periodicals. Sutton Publishing Company, Inc. 553,263, Jan. 8; Serial No. 572,806.
Prepared advertising. R. Mercado. 444,637, Jan. 8; Serial No. 518,550, published Oct. 2, 1951.
Prints and enlargements, Photographic. Recordak Corporation. 552,978, Jan. 8; Serial No. 570,378, published Oct. 2, 1951.
Publication. I. S. Schere. 553,290, Jan. 8; Serial No. 606,053.
Publication. Technicolor Motion Picture Corporation. 553,089, Jan. 8; Serial No. 600,091, published Oct. 2, 1951.
Publication, Employees'. Diamond Alkali Company. 553,079, Jan. 8; Serial No. 599,086, published Oct. 2, 1951.
Publication, Monthly. J. A. Folger & Company. 553,215, Jan. 8; Serial No. 608,793, published Oct. 16, 1951.
Publication, Periodical. Pacific Universal Products Corporation. 553,257, Jan. 8; Serial No. 522,257.
Publication, Printed. S. B. Gornbein. 553,095, Jan. 8; Serial No. 600,774, published Oct. 2, 1951.
Publication, Weekly. Editorial Dante Quinterno, Sociedad Anonima. 553,134, Jan. 8; Serial No. 604,557, published Oct. 16, 1951.
Publications, Periodical. Signal Oil Company. 553,189, Jan. 8; Serial No. 607,356, published Oct. 2, 1951.
Publications, Periodical. The Society of Christian Approach to the Jews, Inc. 553,278, Jan. 8; Serial No. 598,933.
Publications, Periodical. World Editions, Inc. 553,023, Jan. 8; Serial No. 586,899, published Oct. 2, 1951.
Trading stamps, discount stamps, printed tokens, etc. Eagle Stamp Company. 553,219–20, Jan. 8; Serial Nos. 609,080–1, published Oct. 16, 1951.

CLASS 39

Absorbent pads for use as diapers. S. Crane. 553,115, Jan. 8; Serial No. 603,002, published Oct. 16, 1951.
Blouse and slip, Combination. Little Mistress Togs. 553,267, Jan 8; Serial No. 578,604.
Boot and shoe heels. Corman Leather Company, Inc. 553,260, Jan. 8; Serial No. 560,549.
Brassières and bandeaux. Bali Brassière Co., Inc. 553,151, Jan. 8; Serial No. 605,459, published Oct. 16, 1951.
Coats and jackets, Ladies' and misses'. Philip Shlansky & Sons, Inc. 553,298, Jan. 8; Serial No. 613,309.
Coats and suits, Ladies'. Carl Goldberg, Inc. 553,262, Jan. 8; Serial No. 569,152.
Coats and suits, Ladies' and misses'. A. Davis & Sons, Inc. 553,295, Jan. 8; Serial No. 610,046.
Coats, Ladies' and girls'. Lovely Girl Inc. 553,259, Jan. 8; Serial No. 551,804.
Creeper, Infants'. Perfect Knit Togs, Inc. 553,165, Jan. 8; Serial No. 606,046, published Oct. 16, 1951.
Dresses, skirts, and aprons, Children's and ladies'. Perfection Frocks, Inc. 553,292, Jan. 8; Serial No. 606,392.
Dresses, Womens'. Blue Gem Dresses. 435,190, Dec. 16, 1947. Republished Jan. 8.
Fur pelts, plates, and trimmings. Gafco Co. Inc. 536,111, Jan. 9, 1951. Corrected. O. G. Jan. 8.
Garments, Cotton. Will Ross, Inc. 553,088, Jan. 8; Serial No. 599,979, published Oct. 16, 1951.
Hair nets. Western Bottle Manufacturing Company. 148,960, Nov. 29, 1921. Republished Jan. 8.
Handkerchiefs. Western Bottle Mfg. Co. 298,695, Nov. 1, 1932. Republished Jan. 8.
Hosiery. Chas. Chipman's Sons. 83,393, Sept. 12, 1911. Republished Jan. 8.
Hosiery, Ladies'. Cordele Hosiery Mills, Incorporated. 553,181, Jan. 8; Serial No. 606,853, published Oct. 16, 1951.
Hosiery, Ladies'. Hanes Hosiery Mills Company. 553,282, Jan. 8; Serial No. 600,265.
Hosiery, Ladies'. Holland-Nahas Import & Export Company. 552,955, Jan. 8; Serial No. 561,191, published Oct. 16, 1951.
Hosiery, Ladies' and girls'. Clayton, Inc. 553,268, Jan. 8; Serial No. 582,416.
Hosiery, Ladies', men's and children's. Knit Products Corporation. 553,118, Jan. 8; Serial No. 603,068, published Oct. 16, 1951.
Hosiery, Women's. Aberle, Inc. 553,003, Jan. 8; Serial No. 582,334, published Oct. 16, 1951.
Jackets, Boys' sleeveless. Reliance Manufacturing Company. 291,643, renewed Feb. 23, 1952. O. G. Jan. 8.
Outerwear, Sports. L. L. Snyder. 337,413, Aug. 4, 1936. New certificate. O. G. Jan. 8.
Shirts, Men's dress and negligee; women's and misses' waists, petticoats, etc. Trubu Fabrics Corporation. 553,258, Jan. 8; Serial No. 548,546.
Shoes. Gallenkamp Stores Co. 553,266, Jan. 8; Serial No. 578,013.
Shoes, Women's. N. J. Lissak. 553,296, Jan. 8; Serial No. 610,325.
Suits and coats, Ladies'. The Louis Marcus Corporation. 553,256, Jan. 8; Serial No. 521,142.
Underwear and foundation garments, Women's. Donel Foundations. 444,633, Jan. 8; Serial No. 500,373, published Oct. 16, 1951.
Underwear, hosiery, sport shirts, etc. Cooper's, Incorporated. 553,039, Jan. 8; Serial No. 592,195, published Oct. 16, 1951.

CLASS 40

Silk, cotton, worsted, and linen tapes, galloons, binding, etc. Anchor Webbing Company. 85,544, re-renewed Feb. 17, 1952. O. G. Jan. 8.

CLASS 42

Carpets and rugs, Textile. Artloom Carpet Co., Inc. 553,140, Jan. 8; Serial No. 604,830, published Oct. 16, 1951.
Cloth, Tobacco. Royston Mills, Inc. 553,281, Jan. 8; Serial No. 599,657.
Cotton goods in the piece. Cone Export and Commission Company. 291,017, renewed Jan. 26, 1952. O. G. Jan. 8.
Curtains, Lace, lace table cloths, etc. North American Lace Co., Inc. 553,271, Jan. 8; Serial No. 589,223.
Curtains, Window. Ashland Products Co., Inc. 553,286, Jan. 8; Serial No. 602,996.
Fabric, Spun rayon and cotton. Burlington Mills Corporation. 552,967, Jan. 8; Serial No. 566,119, published Oct. 16, 1951.
Fabrics. Joseph Bancroft & Sons Co. 553,237, Jan. 8; Serial No. 613,395, published Oct. 16, 1951.
Fabrics, Cotton. Goldfarb Bros. 553,143, Jan. 8; Serial No. 604,966, published Oct. 16, 1951.

Fabrics in the piece. Goodman & Theise Inc. 553,053, Jan. 8; Serial No. 595,499, published Oct. 16, 1951.
Fabrics in the piece. Shulman Abrash, Inc. 553,236, Jan. 8; Serial No. 613,284, published Oct. 16, 1951.
Fabrics, Pile. Sidney Blumenthal & Co., Inc. 553,285, Jan. 8. Serial No. 602,240.
Fabrics, Pile. Draper Brothers Company. 553,126, Jan. 8; Serial No. 603,774, published Oct. 16, 1951.
Fabrics, Textile. E. I. du Pont de Nemours and Company. 553,041, Jan. 8; Serial No. 592,482, published Jan. 30, 1951.
Fabrics, Textile. Jerry Rossman Corporation. 553,082, Jan. 8; Serial No. 599,529, published Oct. 16, 1951.
Fabrics, Textile and knitted. Lanificio Ermenegildo Zegna. 553,019–20, Jan. 8; Serial No. 586,123–4, published Oct. 16, 1951.
Nylon. Tanbro Fabrics Corp. 553,018, Jan. 8: Serial No. 585,872, published July 18, 1950.
Piece goods. Windsor Fabrics. 553,090, Jan. 8: Serial No. 600,159, published Oct. 16, 1951.
Piece goods, Cotton. Tootal Broadhurst Lee Co. Limited. 289,525, Dec. 1, 1931. Republished Jan. 8.
Piece goods, Cotton. United Merchants and Manufacturers, Inc. 553,190, Jan. 8; Serial No. 607,361, published Oct. 16, 1951.
Piece goods, Silk. Chantilly Textile Corporation. 553,192, Jan. 8; Serial No. 607,577, published Oct. 16, 1951.
Piece goods, Woolen. Forstmann & Huffmann Company. 287,448–52, renewed Sept. 29, 1951. O. G. Jan. 8.
Piece goods, Woolen. Forstmann & Huffmann Company. 288,268–69, renewed Oct. 20, 1951. O. G. Jan. 8.
Piece goods, Woolen. Madison Woolen Company. 271,902, renewed June 17, 1950. O. G. Jan. 8.
Piece goods, Woolen, silk, nylon, rayon, and cotton. H. Gldumal. 552,990, Jan. 8; Serial No. 576,861, published Oct. 16, 1951.
Rugs and carpets, Textile, woven, woolen. Mohawk Carpet Mills, Inc. 553,186, Jan. 8; Serial No. 607,090, published Oct. 16, 1951.
Spreads, Bed, draperies, textile rugs, and bath mats. W. Boyd. 553,167, Jan. 8; Serial No. 606,134, published Oct. 16, 1951.
Vinyl plastic film. Ross & Roberts, Inc. 553,006, Jan. 8; Serial No. 583,293, published June 13, 1950.

CLASS 44

Forceps, Tissue, towel forceps, tenaculum forceps, etc. Mercer Glass Works, Inc. 553,261, Jan. 8; Serial No. 565,792.

CLASS 45

Ginger ale and non-alcoholic maltless, carbonated drinks. The Saegertown Mineral Water Company. 276,150, Oct. 7, 1930. Republished Jan. 8.
Nonalcoholic, maltless syrups and concentrates. Orchard Products Company. 292,439, renewed Mar. 15, 1952. O. G. Jan. 8.

CLASS 46

Apple products. Duffy-Mott Company, Inc. 290,642, renewed Jan. 12, 1952. O. G. Jan. 8.
Apples, Fresh. B. C. Tree Fruits Limited. 553,131, Jan. 8; Serial No. 604,063, published Sept. 18, 1951.
Berries, Frozen, canned vegetables, canned berries, etc. Growers & Packers Cooperative Canning Co., Inc. 553,221, Jan. 8; Serial No. 609,297, published Oct. 2, 1951.
Bread. Fischer Baking Company. 553,084, Jan. 8; Serial No. 599,822, published Oct. 23, 1951.
Bread, rolls, coffee cakes, etc. Van de Kamp's Holland Dutch Bakers, Inc. 552,927, Jan. 8; Serial No. 527,028, published Sept. 18, 1951.
Candy. Halo-Star Corporation. 553,043, Jan. 8; Serial No. 593,000, published Sept. 11, 1951.
Candy. Peter Paul, Inc. 552,930, Jan. 8; Serial No. 530,117, published Oct. 2, 1951.
Candy. F. C. Stroeck. 553,010, Jan. 8; Serial No. 584,423, published Sept. 25, 1951.
Candy novelties. Candy Crafters, Inc. 364,034, Jan. 17, 1939. Republished Jan. 8.
Canned citrus fruit meats in juice. Bruce's Juices, Inc. 444,635, Jan. 8; Serial No. 510,231, published Aug. 28, 1951.
Canned fish. The French Sardine Company of California. 553,014, Jan. 8; Serial No. 585,581, published Oct. 9, 1951.
Canned olives. Terra Bella Olive Association. 553,283, Jan. 8; Serial No. 600,861.
Canned prepared top-shell. Fujii Junichi Shoten, Limited. 553,093, Jan. 8; Serial No. 600,428, published Sept. 18, 1951.
Canned salmon. Independent Salmon Canneries, Inc. 553,168, Jan. 8; Serial No. 606,225, published Aug. 28, 1951.
Canned sliced apples, canned baked apples, canned blackberries, etc. Patrick County Canning Co., Inc. 553,102, Jan. 8; Serial No. 601,564, published Sept. 25, 1951.
Canned vegetables and canned fruits. Kelley, Farquhar & Co. 553,117, Jan. 8; Serial No. 603,065, published Aug. 7, 1951.
Coffee. Johnson-Allen Coffee Co. 85,446, re-renewed Feb. 20, 1952. O. G. Jan. 8.
Coffee, Roasted. Rich Maid Manufacturing Company, Inc. 553,063, Jan. 8; Serial No. 597,295, published Oct. 23, 1951.
Confections, Frozen. J. Lowe. 553,203, Jan. 8; Serial No. 608,278, published Oct. 23, 1951.
Cookies. Liza-Jean Sweets, Inc. 553,026, Jan. 8; Serial No. 588,035, published Oct. 9, 1951.
Dates, Fresh. Farrar's Date Gardens. 553,291, Jan. 8; Serial No. 606,286.
Feed, Pigeon. The Philadelphia Seed Company. 553,038, Jan. 8; Serial No. 590,634, published Oct. 23, 1951.
Feed, Poultry and stock. Collin County Mill & Elevator Co. 289,229, renewed Nov. 24, 1951. O. G. Jan. 8.
Feeds, Animal. Ralston Purina Company. 552,944, Jan. 8; Serial No. 552,713, published Oct. 16, 1951.
Feeds, Stock, poultry feeds, horse, and mule feeds. Burrus Mill & Elevator Co. 262,614, Oct. 15, 1949. New certificate. O. G. Jan. 8.
Flour, Wheat. The Burrus Mill & Elevator Company. 50,479, Mar. 20, 1906. New certificate. O. G. Jan. 8.
Flour, Wheat. The Burrus Mill & Elevator Company. 55,938, Aug. 21, 1906. New certificate. O. G. Jan. 8.
Flour, Wheat. Burrus Mill and Elevator Co. 220,193, Nov. 2, 1926. New certificate. O. G. Jan. 8.
Flour, Wheat. Collin County Mill & Elevator Co. 182,644, Apr. 15, 1924. New certificate. O. G. Jan. 8.
Flour, Wheat. Collin County Mill & Elevator Co. 241,804–5, May 8, 1928. New certificate. O. G. Jan. 8.
Flour, Wheat. Collin County Mill & Elevator Co. 242,469, May 22, 1928. New certificate. O. G. Jan. 8.
Flour, Wheat. Collin County Mill & Elevator Co. 342,809, Feb. 2, 1937. New certificate. O. G. Jan. 8.
Flour, Wheat. Fisher Flouring Mills Company. 287,945, renewed Oct. 20, 1951. O. G. Jan. 8.
Flour, Wheat. Fisher Flouring Mills Company. 289,704, renewed Dec. 1, 1951. O. G. Jan. 8.
Flour, Wheat. Liberty Mills. 303,147, May 9, 1933. New certificate. O. G. Jan. 8.
Flour, Biscuit. Morten Milling Company. 303,823, June 6, 1933. New certificate. O. G. Jan. 8.
Flour, Wheat. Morten Milling Company. 221,548, Dec. 7, 1926. New certificate. O. G. Jan. 8.
Flour, Wheat. The New Century Milling Company. 47,061, Oct. 24, 1905. New certificate. O. G. Jan. 8.
Flour, Wheat. The New Century Milling Company. 63,316, June 11, 1907. New certificate. O. G. Jan. 8.
Food colors. H. Kohnstamm & Co., Inc. 553,045, Jan. 8; Serial No. 593,417, published Sept. 11, 1951.
Food, Poultry. Peerless Oyster Co. 84,518, re-renewed Dec. 19, 1951. O. G. Jan. 8.
Food product, Cream. Delsoy Products, Inc. 552,993, Jan. 8; Serial No. 579,586, published Sept. 11, 1951.
Frozen confection bars. Good Humor Corporation. 553,085, Jan. 8; Serial No. 599,869, published Sept. 11, 1951.
Fruits, Fresh. B. C. Tree. 553,086, Jan. 8; Serial No. 599,923, published Aug. 28, 1951.
Fruits, Fresh citrus. Exeter Orange Growers Association. 552,946, Jan. 8; Serial No. 554,967, published Oct. 2, 1951.
Fruits, Fresh citrus. Graves Brothers Co. 553,223, Jan. 8; Serial No. 609,646, published Oct. 23, 1951.
Fruits, Fresh deciduous, and fresh vegetables. Palmer C. Mendelson Co. 553,042, Jan. 8; Serial No. 592,773, published Sept. 11, 1951.
Hydrolyzed plant protein used as an ingredient in food compositions. A. E. Staley Manufacturing Company. 553,122, Jan. 8; Serial No. 603,341, published Oct. 23, 1951.
Ice cream. Old Hundred, Incorporated. 553,015, Jan. 8; Serial No. 585,679, published Oct. 16, 1951.
Ice cream bars. Foremost Dairies, Inc. 553,159, Jan. 8; Serial No. 605,948, published Sept. 11, 1951.
Kippered fish. A. Johnson. 553,070, Jan. 8; Serial No. 598,421, published Oct. 23, 1951.
Lemon juice, Bottled, and bottled lime juice. Puretex Lemon Juice, Inc. 553,034, Jan. 8; Serial No. 589,617, published Oct. 2, 1951.
Meat and meat products. Peer Food Products Company. 552,923, Jan. 8; Serial No. 500,565, published Sept. 11, 1951.
Meat products; and processed fruit. Peer Food Products Company. 552,924, Jan. 8; Serial No. 504,450, published Sept. 18, 1951.
Milk drink, Chocolate flavored, and concentrates. Nehi Corporation. 553,227, Jan. 8; Serial No. 610,294, published Oct. 23, 1951.
Mince-meat. The W. H. Marvin Company. 85,667, re-renewed Mar. 5, 1952. O. G. Jan. 8.
Oleomargarine, cottonseed oil and shortening. Haas, Baruch & Co. 553,059, Jan. 8; Serial No. 596,917, published Oct. 23, 1951.
Pears, Fresh. Barnes Bros. 553,072, Jan. 8; Serial No. 598,569, published Oct. 23, 1951.
Pie crust mix. American Stores Company. 553,179, Jan. 8; Serial No. 606,842, published Aug. 14, 1951.
Pork sausage. Armour and Company. 552,929, Jan. 8; Serial No. 529,859, published Oct. 9, 1951.
Potato salad and coleslaw. Lady Ann Food Products. 553,208, Jan. 8; Serial No. 608,502, published Oct. 23, 1951.

Salt. Worcester Salt Company. 288,488, renewed Oct. 27, 1951. O. G. Jan. 8.
Shrimp, Frozen. Pesquera e Industrializadora de Guaymas, S. A. 553,046, Jan. 8; Serial No. 593,498, published Oct. 2, 1951.
Syrup, Waffle, chocolate syrup, food flavoring emulsions, etc. R. D. McCrosky. 553,035, Jan. 8; Serial No. 590,170, published Oct. 23, 1951.
Wafers, cakes, crackers, and biscuits. Crispo Biscuit Company, Inc. 553,040, Jan. 8; Serial No. 592,311, published Sept. 11, 1951.
Wheat-flour. Collin County Mill & Elevator Company. 52,194, May 1, 1906. New certificate. O. G. Jan. 8.
Wheat-flour. Collin County Mill & Elevator Co. 182,035, Apr. 1, 1924. New certificate. O. G. Jan. 8.
Wheat-flour. Liberty Mills. 301,368, Feb. 28, 1933. New certificate. O. G. Jan. 8.
Wheat-flour. Liberty Mills. 333,939, Apr. 14, 1936. New certificate. O. G. Jan. 8.
Wheat-flour. Morten Milling Company. 189,901, Sept. 30, 1924. New certificate. O. G. Jan. 8.
Wheat-flour. The New Century Milling Company. 56,830, Oct. 23, 1906. New certificate. O. G. Jan. 8.

CLASS 49

Whiskey, Scotch. Glenforres Glenlivet Distillery Co. Limited. 292,528, renewed Mar. 15, 1952. O. G. Jan. 8.

CLASS 50

Closures for receptacles. Hazel-Atlas Glass Company. 553,050, Jan. 8; Serial No. 595,256, published Sept. 25, 1951.
Scaffolding and parts thereof. The Patent Scaffolding Co., Inc. 553,157, Jan. 8; Serial No. 605,759, published Sept. 25, 1951.
Signs, Plastic. Plastisign Corporation of America. 553,008, Jan. 8; Serial No. 584,346, published Sept. 25, 1951.
Stepladders. Chesebro-Whitman Company. 553,202, Jan. 8; Serial No. 608,267, published Sept. 25, 1951.
Straws, Drinking. Coast Maid Paper Products Co. 553,009, Jan. 8; Serial No. 584,386, published Sept. 25, 1951.

CLASS 51

Absorbent covered frangible ampules containing perfumes. Stuart-Chase Co. 553,182, Jan. 8; Serial No. 606,909, published Sept. 25, 1951.
Face powder, etc. Barbara Gould, Ltd. 292,296, renewed Mar. 8, 1952. O. G. Jan. 8.
Hair dressing preparation. Silson Products, Inc. 553,194, Jan. 8; Serial No. 607,689, published Sept. 25, 1951.
Lipstick, rouge, face powder, and mascara. Consolidated Cosmetics. 553,196, Jan. 8; Serial No. 607,798, published Sept. 25, 1951.
Perfume. Bourjois, Inc. 553,068, Jan. 8; Serial No. 597,663, published July 31, 1951.
Perfume. Richard Hudnut. 553,080, Jan. 8; Serial No. 599,093, published Sept. 25, 1951.
Perfumes, toilet waters, face lotions, etc. Vigny, Inc. 553,185, Jan. 8; Serial No. 607,058, published Sept. 25, 1951.
Sachet perfume. F. L. Boner. 552,962, Jan. 8; Serial No. 564,428, published Sept. 28, 1951.
Tooth paste. Western Bottle Manufacturing Company. 257,735, June 18, 1929. Republished Jan. 8.
Tooth powder. A. E. Drucker. 84,730, re-renewed Jan. 2, 1952. O. G. Jan. 8.
Tooth powder. F. B. Horton. 36,845, July 30, 1901. Republished Jan. 8.

CLASS 52

Cleaner and lubricant. B. Heller & Company. 553,051, Jan. 8; Serial No. 595,320, published Oct. 9, 1951.
Detergent. General Biochemicals, Inc. 553,087, Jan. 8; Serial No. 599,939, published Oct. 2, 1951.
Detergent cleansing powder. The Suds-Up Corporation. 444,634, Jan. 8; Serial No. 508,872, published Oct. 16, 1951.
Insecticides, liquid spreader compounds, etc. Leffingwell Rancho Company. 286,416, renewed Aug. 25, 1951. O. G. Jan. 8.
Preparations for the hair. L. Kinkade. 552,998, Jan. 8; Serial No. 580,196, published Oct. 16, 1951.
Protein digestant used for the removal of spots and stains. Pabst Brewing Company. 553,096, Jan. 8; Serial No. 600,968, published Oct. 16, 1951.
Surface active agent for cleaning glassware and utensils. The Emil Greiner Company. 553,116, Jan. 8; Serial No. 603,059, published Oct. 2, 1951.

CLASS 100

Investment counseling. M. E. Etienne. 553,243, Jan. 8; Serial No. 554,965, published Oct. 16, 1951.

CLASS 101

Advertising goods and services of others. Henri, Hurst & McDonald, Inc. 553,250, Jan. 8; Serial No. 596,423, published Oct. 2, 1951.
Advertising the goods and services of sponsors. B. H. Claster. 553,248, Jan. 8; Serial No. 593,470, published Oct. 23, 1951.

CLASS 102

Insurance brokerage. Pilgrim Associates, Inc. 553,241, Jan. 8; Serial No. 548,757, published Oct. 16, 1951.
Underwriting of life insurance, retirement income, and accident health insurance. Pacific Mutual Life Insurance Company. 553,245, Jan. 8; Serial No. 564,397, published Oct. 16, 1951.

CLASS 103

Arranging, planning, and constructing commercial displays, etc. Strauss Decorating and Exposition Company, Inc. 553,246, Jan. 8; Serial No. 576,023, published Oct. 16, 1951.
Cleaning of furs and fur garments. Kleinzway, Inc. 553,253, Jan. 8; Serial No. 609,765, published Sept. 11, 1951.
Repair and adjustment service on anatomical supports. S. H. Camp & Company. 553,238, Jan. 8; Serial No. 527,550, published Oct. 16, 1951.

CLASS 104

Radio program broadcasting services. Westinghouse Radio Stations, Inc. 553,244, Jan. 8; Serial No. 559,971, published Sept. 25, 1951.

CLASS 105

Transportation of passengers and freight. Compagnie Generale Transatlantique. 553,247, Jan. 8; Serial No. 589,379, published Oct. 16, 1951.
Transportation of passengers, baggage, express, etc. Continental Bus System, Inc. 553,242, Jan. 8; Serial No. 548,799, published Oct. 16, 1951.
Transportation of property by motor vehicle. Modern Transfer Company, Inc. 553,252, Jan. 8; Serial No. 606,561, published Oct. 16, 1951.

CLASS 106

Reproducing photographs. National Photo Service & Supply Co., Inc. 553,240, Jan. 8; Serial No. 539,338, published Oct. 2, 1951.

CLASS 107

Entertainment services. W. W. Kimball. 553,249, Jan. 8; Serial No. 595,896, published Oct. 23, 1951.
Entertainment service. Southern Radio and Television Equipment Company. 553,251, Jan. 8; Serial No. 602,344, published Oct. 23, 1951.
Instructing mechanics and repair men. Perfect Circle Corporation. 553,239, Jan. 8; Serial No. 537,820, published Oct. 16, 1951.

LIST OF DESIGN PATENTEES

Ambrose, Mary S., New Brighton, assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 165,625, Jan. 8.

Bausch & Lomb Optical Company, assignee: *See*— Hall, Leigh B.

Bates, John J., Detroit, Mich. Artificial lure. 165,626, Jan. 8.

Berusch, Philip, assignor to Hoburt Hosiery Corporation, New York, N. Y. Stocking. 165,627, Jan. 8.

Blazier, Arthur W., Montclair, N. J. Bird feeder. 165,628, Jan. 8.

Bochner, Simon, Yonkers, assignor to Covington Fabrics Corporation, New York, N. Y. Fabric or the like. 165,629, Jan. 8.

Bochner, Simon, Yonkers, assignor to Covington Fabrics Corporation, New York, N. Y. Fabric or the like. 165,630, Jan. 8.

Bregent, Edmond, Montreal, Quebec, Canada. Figurine. 165,631, Jan. 8.

Brown, Willard A., La Junta, Colo. Brooch or similar article. 165,632, Jan. 8.

Burdick, Richard, Dallas, Tex. Push bar for store doors. 165,633, Jan. 8.

Champion, William J., Mystic, Conn. Game board. 165,634, Jan. 8.

Chapman, Earle F., South Braintree, Mass. Decorative chess horse lamp. 165,635, Jan. 8.

Cherry, Peter W., Monroe, and C. N. Johnson, Stratford, Conn., assignors to General Electric Company. Suction cleaner. 165,636, Jan. 8.

Covington Fabrics Corporation, assignee: *See*— Bochner, Simon.

Detzel, Jacob J., assignor to Kayware Corporation, Chicago, Ill. Baby feeding dish. 165,637, Jan. 8.

Dreitzer, Albert J., New York, N. Y. Epergne or similar article. 165,638, Jan. 8.

Dumas, Francois U., Spencer, Mass. Key ring. 165,639, Jan. 8.

Dyer, Francis X. and J. E., Chicago, Ill. Combination food and food containers holding tray. 165,640, Jan. 8.

Dyer, Janann E.: *See*— Dyer, Francis X. and J. E.

Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Infant's crib. 165,641, Jan. 8.

Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Infant's crib. 165,642, Jan. 8.

Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Infant's crib. 165,643, Jan. 8.

Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Infant's crib. 165,644, Jan. 8.

Folding Products Manufacturing Corporation, assignee: *See*— Kramer, Ferdinand.

Fretz, John A., Jr., Philadelphia, Pa. Drafting instrument holder or similar article. 165,645, Jan. 8.

Fuld, Walter S., New York, N. Y. Pouring attachment for bottles. 165,646, Jan. 8.

General Electric Company, assignee: *See*— Cherry, Peter W., and Johnson. Johnson, Carl N.

George, Harry F., Chicago, Ill. Glare shield. 165,647, Jan. 8.

Hall, Leigh B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Substage condenser for microscopes. 165,648, Jan. 8.

Harrison, Seymour, Brooklyn, assignor to Plastics Innovations, Inc., New York, N. Y. Inflated toy. 165,649, Jan. 8.

Hoburt Hosiery Corporation, assignee: *See*— Berusch, Philip.

Hoffman, Larry, assignor to Perfumatic of Canada Limited, Toronto, Ontario, Canada. Automatic perfume dispenser. 165,650, Jan. 8.

Horn, William C., Orange, N. J. Cribbage board. 165,651, Jan. 8.

Ingolia, Anthony J., Jr., Chicago, Ill. Lamp. 165,652, Jan. 8.

Jacoby-Bender, Inc., assignee: *See*— Rodriguez, Emil.

Johnson, Carl N.: *See*— Cherry, Peter W., and Johnson.

Johnson, Carl N., Stratford, Conn., assignor to General Electric Company. Combined suction cleaner handle fitting and hose connection. 165,653, Jan. 8.

Kayware Corporation, assignee: *See*— Detzel, Jacob J.

Kramer, Ferdinand, Port Chester, assignor to Folding Products Manufacturing Corporation, Long Island City, N. Y. Umbrella. 165,654, Jan. 8.

Kramer, Murray B., Chicago, Ill. Automobile gasoline door guard. 165,655, Jan. 8.

Lathrop, Harvey, Forest Hills, N. Y. Holder for postage stamps in roll form. 165,656, Jan. 8.

Lyon, George A., Detroit, Mich. Wheel cover or similar article. 165,657, Jan. 8.

Maron, William, assignor to Wilmar Undergarment Corp., New York, N. Y. Panties. 165,658, Jan. 8.

Maron, William, assignor to Wilmar Undergarment Corp., New York, N. Y. Panties. 165,659, Jan. 8.

Mayer China Company, assignee: *See*— Ambrose, Mary S.

Miller, Alexander, Philadelphia, Pa. Lady's stocking. 165,660, Jan. 8.

Morris Dale R., Walla Walla, Wash. Golf cart handle article support. 165,661, Jan. 8.

Munn, Carolyn N., New York, N. Y. Handbag. 165,662, Jan. 8.

Parent, McKenzie H., Tampico, and A. V. Skarin, Prophetstown, Ill.; said Skarin assignor to said Parent. Combined mass card holder and deposit box. 165,663, Jan. 8.

Perfumatic of Canada Limited, assignee: *See*— Hoffman, Larry.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 165,664, Jan. 8.

Plastics Innovations, Inc., assignee: *See*— Harrison, Seymour.

Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 165,665, Jan. 8.

Rosenfeld, Anton M., New York, N. Y. Multicompartmented box. 165,666, Jan. 8.

Sheets, Whilman G., Bellmead, Tex. Automobile serving tray. 165,667, Jan. 8.

Sheppard, Elwood H., Bellvue, Colo. Display figure. 165,668, Jan. 8.

Skarin, Arthur V.: *See*— Parent, McKenzie H., and Skarin.

Statter, Estella E., Hutchinson County, S. Dak. Buckle for a sanitary belt. 165,669, Jan. 8.

Stengren, Jon, Forest Hills, N. Y. Jar. 165,670, Jan. 8.

Stengren, Jon, Forest Hills, N. Y. Bottle. 165,671, Jan. 8.

Stewart, Donald E., Grand Rapids, assignor to Winters & Crampton Corporation, Grandville, Mich. Control knob for gas stove or similar article. 165,672, Jan. 8.

Storkline Furniture Corporation, assignee: *See*— Feldman, Abraham G.

Strouth, Howard S., Forest Hills, N. Y. Calendar wristband. 165,673, Jan. 8.

Trifari, Krussman & Fishel, Inc., assignee: *See*— Philippe, Alfred.

Voss, Victor J., New Britain, Pa. Lady's stocking. 165,674, Jan. 8.

Westernacher, Fritz, New York, N. Y. Merchandise display stand or similar article. 165,675, Jan. 8.

Wilmar Undergarment Corp., assignee: *See*— Maron, William.

Winters & Crampton Corporation, assignee: *See*— Stewart, Donald E.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8th DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. P. Controls Corporation, assignee: *See*—
Biermann, William A., and Dulak.
Abraham, Lewis C., Anderghem-Brussels, Belgium. Scouring pad and manufacturing the same. 2,581,779, Jan. 8.
Acieries Reunies de Burbach-Eich-Dudelange Societe Anonyme, assignee: *See*—
Schaack, August.
Acme Shear Company, assignee: *See*—
Wheeler, Henry C.
Adams, Harold E., Norwalk, assignor to Nash Engineering Company, South Norwalk, Conn. Pump. 2,581,828, Jan. 8.
Adams, Paul R.: *See*—
Busignies, Henri G., and Adams.
Addressograph-Multigraph Corporation, assignee: *See*—
Benes, Gaspar P.
Gollwitzer, Walter T.
Admiral Corporation, assignee: *See*
Morton, Evans T., and Geever.
Aerosol Corporation of America, assignee: *See*—
Dautrebande, Lucien A. J.
Agriculture, United States of America as represented by the Secretary of, assignee, *See*—
Altschul, Aaron M., and Castillon.
Ahier, Georges C., Montmorency, and P. Buffet, Saint-Didier-au-Mont-d'Or, France. Phase and frequency modulation. 2,581,780, Jan. 8.
Ahlfors, Sten E. E., Hedemora, Sweden. Apparatus for automatic periodic cleaning of straining members. 2,581,781, Jan.
Air Preheater Corporation, The, assignee: *See*—
Karlsson, Per H.
Aktiebolaget Duba, assignee: *See*—
Larsen, Fridthiof O. V.
Aktiebolaget Elektrolux, assignee: *See*—
Bäckström, Sigurd M.
Aktiebolaget Siefuert & Fornander, assignee: *See*—
Dietmann, Paul W.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Thommen, Hans, and Meyer.
Albert, Donald J.: *See*—
Bornemann, William, and Albert.
Albert, Harry E.: *See*—
Smith, George E. P., Jr., and Albert.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Automatic hydroxy sulfides. 2,581,919, Jan. 8.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of rubber with a mixture of a phenol sulfide and trivalent antimony oxide. 2,581,930, Jan. 8.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of rubbery materials by the use of tin or antimony salts of phenol reaction products. 2,581,931, Jan. 8.
Albert, Harry E., and G. E. P. Smith, Jr., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of acrylonitrile-butadiene-1,3 copolymers. 2,581,909, Jan. 8.
Albert, Harry E., and G. E. P. Smith, Jr., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Acrylonitrile-butadiene-1,3 copolymers stabilized by antimonyl P-phenyl catecholate. 2,581,910, Jan. 8.
Albert, Harry E., and G. E. P. Smith, Jr., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Acrylonitrile-butadiene-1,3 copolymers stabilized by antimonyl pyrogallolate. 2,581,911, Jan. 8.
Aldred, John L., Jr.: *See*—
Willey, Elmer R., and Aldred.
Alexander, Malvin T., Seattle, Wash. Pole-stripping machine. 2,581,829, Jan. 8.
Alexander, Robert H., and C. Spicer, Warren, Pa., assignors to Sylvania Electric Products, Inc. Receptacle filling mechanism. 2,581,898, Jan. 8.
Alexander, William, deceased, Glasgow, Scotland; M. M. Durney or (Young), executrix. Apparatus for separating liquids. 2,581,341, Jan. 8.
Alfsen, Nikolai, Oslo, Norway. Device for barking of logs or the like. 2,581,617, Jan. 8.
Allen, Adda M., Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C. Associated equipment for nursing units. 2,581,340, Jan. 8.
Allen, Hugh C., Astoria, N. Y. Gravity operated closure with means to form an opening in a container. 2,581,897, Jan. 8.
Allied Chemical & Dye Corporation, assignee: *See*—
Gilbert, Everett E.

Alliger, Glen, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Producing N-mono-substituted sulfenamides. 2,581,921, Jan. 8.
Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Eriksson, Herbert.
Altschul, Aaron M., and L. E. Castillon, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Water-soluble combination products of gossypol and proteins. 2,581,342, Jan. 8.
Aluminum Company of America, assignee: *See*—
Kohl, George C.
Amanatides, George, New York, N. Y. Upright broiler. 2,581,570, Jan. 8.
American Can Company, assignee: *See*—
Nordquist, Ronald E. J.
American Cyanamid Company, assignee: *See*—
Cresswell, Arthur.
Dudley, James R.
American Optical Company, assignee: *See*—
Pincus, Alexis G.
American Steel Foundries, assignee: *See*—
Baselt, Walter H.
American Viscose Corporation, assignee: *See*—
Bailiff, Fred H., and Wicker.
Dooley, William P.
Ames, Butler, Boston, Mass. Electrical cooking apparatus. 2,581,343, Jan. 8.
Amorino, Victor A., West New York, and L. C. Bizzarro, Long Branch, N. J. Culinary implement for applying spread to foodstuffs. 2,581,745, Jan. 8.
Ancet, Victor M. J., Lyon, France. Lint collector for circular looms. 2,582,092, Jan. 8.
Anderson, Irvin B., Oneonta, N. Y. Adjustable extension device. 2,581,782, Jan. 8.
Anderson, John R., assignor to Koppers Company, Inc., Pittsburgh, Pa. Purification of distilled coke-oven benzene by distillation with added hydrocarbon material. 2,581,344, Jan. 8.
Anderson, Louis A., Dayton, Ohio, and J. J. Slattery, Chicago, Ill., said Anderson assignor to General Motors Corporation, Dayton, Ohio, said Slattery assignor to Montgomery Ward and Company, Inc., Chicago, Ill. Refrigerator cabinet. 2,581,618, Jan. 8.
Andrews, Edward F., assignor, by mesne assignments, to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,581,345, Jan. 8.
Anfinsen, Nils J., assignee: *See*—
Windahl, Gunnar.
Anglo American Corporation of South Africa, Limited, assignee: *See*—
Bradford, George, Mulock-Bentley, and Auret.
Annear, Reed B., Omaha, Nebr., assignor to Westinghouse Air Brake Company. Signaling system for single-track railroads. 2,581,509, Jan. 8.
Armitage, Frank L.: *See*—
Swanson, Carl R., Olson, and Armitage.
Armstrong, John W.: *See*—
Frank, Bernard E., Armstrong, and Histed.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Drake, Nathan L., and Eaker.
Arnold, George B., Coral Gables, assignor to Arnold Products, Inc., Miami, Fla. Window construction. 2,581,465, Jan. 8.
Arnold Products, Inc., assignee: *See*—
Arnold, George B.
Arrigo, Mike, Pueblo, Colo. Vehicle wheel chock. 2,581,619, Jan. 8.
Ashley, Carlyle M., assignor to Carrier Corporation, Syracuse, N. Y. Maintaining liquid level in heat-exchange apparatus. 2,581,466, Jan. 8.
Ashworth, Harry E., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Electric relays. 2,581,510, Jan. 8.
Auret, Norman H.: *See*—
Bradford, George, Mulock-Bentley, and Auret.
Austlid, Arnljot, Oslo, Norway. Sewing machine motor. 2,581,620, Jan. 8.
Automatic Electric Laboratories, Incorporated, assignee: *See*—
Baker, George T.
Glenger, Fred.
Mitchell, Len B.
Ostline, John E.

Automatic Poultry Feeder Company, assignee: *See*—
Smallegan, Marvin L.
Automatic Telephone & Electric Company Limited, assignee: *See*—
Pearce, Owen A., and Taylor.
Autry, Eugene, Brooklyn, N. Y. Dust mop cleaner. 2,581,346, Jan. 8.
Averill, John R., Webster Groves, Mo. Collapsible wall type expansion engine. 2,581,830, Jan. 8.
Ayers, John R., Nahant, Mass. Readily releasable loop retainer. 2,582,093, Jan. 8.
Ayerst, McKenna & Harrison, Limited, assignee: *See*—
Beall, Desmond, and Grant.
BLC Inc., assignee: *See*—
Goldman, Sydney B., and Krueger.
Babcock & Wilcox Company, The, assignee: *See*—
Woolley, Charles H.
Bachle, Carl F., Grosse Pointe, assignor to Continental Motors Corporation, Muskegon, Mich. Engine cooling system. 2,581,996, Jan. 8.
Bäckström, Sigurd M., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration apparatus and heating arrangement therefor. 2,581,347, Jan. 8.
Badenell, Herbert C.: *See*—
Behrens, Herbert C., and Badenell.
Bailey, Levi E., Owosso, Mich. Screw driver. 2,581,899, Jan. 8.
Bailey, Robert S., assignor to International Standard Electric Corporation, New York, N. Y. Antenna. 2,581,348, Jan. 8.
Bailiff, Fred H., and D. B. Wicker, Nitro, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Device for cutting staple fiber. 2,581,467, Jan. 8.
Baker, Benjamin P., Turtle Creek, Pa., and O. von Mehren, Lorain, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,581,571, Jan. 8.
Baker, Donald J., Los Angeles, Calif. Magnetic phonograph pickup. 2,581,511, Jan. 8.
Baker, George T., Liverpool, England, assignor to Automatic Electric Laboratories, Incorporated, Chicago, Ill. Emergency display for toll ticketing. 2,581,900, Jan. 8.
Baldwin, Curtis C., Whitney, Nebr., assignor to C. E. Hovey, trustee. Soil scarifier. 2,581,512, Jan. 8.
Balsam, Henry M.: *See*—
Balsam, Maurice M. and H. M.
Balsam, M. M., Inc., assignee: *See*—
Balsam, Maurice M. and H. M.
Balsam, Maurice M. and H. M., assignors to M. M. Balsam, Inc., New York, N. Y. Punching machine. 2,582,094, Jan. 8.
Barabash, Elisabeth: *See*—
White, Blanche B., and Barabash.
Barret, William M., assignor to Engineering Research Corporation, Shreveport, La. Electrical prospecting. 2,581,349, Jan. 8.
Barsel, Norman, assignee: *See*—
Fleischhacker, Desider, and Barsel.
Bartfield, James E.: *See*—
Stroukoff, Michael, and Bartfield.
Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Railway brake. 2,581,746, Jan. 8.
Basic Refractories, Inc., assignee: *See*—
Schoenlaub, Robert A.
Bassick Company, The, assignee: *See*—
Ferrer, Edwin R.
Bates, Wilmot S., assignor to Ellison Bronze Company, Inc., Jamestown, N. Y. Balanced door organization with pressure release. 2,581,783, Jan. 8.
Beall, Desmond, Westmount, and G. A. Grant, Montreal, assignors to Ayerst, McKenna & Harrison, Limited, St. Laurent, Quebec, Canada. 2-aminopyridine salt of estrone sulfate. 2,581,350, Jan. 8.
Beauregard, Charles, Providence, R. I. Child's coasting device. 2,581,572, Jan. 8.
Beesch, Samuel C.: *See*—
Legg, David A., and Beesch.
Beggs, James E., Scotia, N. Y., assignor to General Electric Company. Electron tube structure and the manufacture thereof. 2,581,997, Jan. 8.
Behrens, Herbert C., Canton, and H. C. Badenell, Navarre, assignors to Diebold, Incorporated, Canton, Ohio. Night depository theftproof closure construction. 2,581,621, Jan. 8.
Bell & Howell Company, assignee: *See*—
Moomaw, Lewis H., and Bernzott.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Espenschied, Lloyd, and Chaffee.
Bendix Aviation Corporation, assignee: *See*—
Marmont, George H.
Benes, Gaspar P., Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Apparatus for shaping metal plates. 2,581,622, Jan. 8.
Benjamin, Clarence F., North Harlowe, N. C. Hammock stand. 2,581,623, Jan. 8.
Bennett, Edward, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Measuring and reporting variables of electric and electromechanical systems. 2,581,831, Jan. 8.
Bergeron, Arthur J., Kittery, Maine. Individual poultry roost. 2,582,095, Jan. 8.
Bernzott, Hugo: *See*—
Moomaw, Lewis H., and Bernzott.
Bessell, Howard W., Manhasset, N. Y., assignor to The N. N. Hill Brass Company, East Hampton, Conn. Toy telephone. 2,582,096, Jan. 8.
Biermann, William A., and J. T. Dulak, Milwaukee County, Wis., assignors to A. P. Controls Corporation. Liquid level control device. 2,581,901, Jan. 8.
Bigelow, John E.: *See*—
Rich, Theodore A., and Bigelow.
Biles, John L., and H. C. Myers, Woodbury, T. A. Petry and W. H. Cowell, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separating waxy and oily materials. 2,581,573, Jan. 8.
Bishman, Walter A., Osseo, Minn. Inner tube tester. 2,581,998, Jan. 8.
Bishop, R. H., Company, assignee: *See*—
Royer, Celestine A.
Bizzarro, Leo C.: *See*—
Amorino, Victor A., and Bizzarro.
Black and Decker Manufacturing Company, The, assignee: *See*—
Riley, Robert H., Jr., and Decker.
Black, Eric A., Red Bank, N. J. Mast. 2,581,351, Jan. 8.
Black, Sivalls & Bryson, Inc., assignee: *See*—
Kimmell, Garman O., and Chenault.
Simpson, Roy L.
Blackwell, Richard L., Detroit, Mich. Cigarette holder. 2,582,097, Jan. 8.
Blatz, Walter L., Scotia, N. Y., assignor to General Electric Company. Hemispherical combustion chamber end dome having cooling air deflecting means. 2,581,999, Jan. 8.
Bliss, William R., Washington, D. C. Variable polarization antenna system. 2,581,352, Jan. 8.
Block, Carl H., Peoria Heights, Ill. Combined heat exchange system and auxiliary power plant for internal-combustion engines. 2,581,747, Jan. 8.
Bloomstran, Hilmer F., assignor to Watson Manufacturing Company, Inc., Jamestown, N. Y. Hand propelled vehicle. 2,582,000, Jan. 8.
Blum, Hosmer L., assignor to Bowser, Inc., Fort Wayne, Ind. Flow control device. 2,581,748, Jan. 8.
Blume, Roe C., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Heterogeneous, basic hydrolysis of carboxylic acid esters of polyvinyl alcohol with quaternary ammonium bases. 2,581,832, Jan. 8.
Bodine, Albert G., Jr., Van Nuys, Calif. Resonant gas compressor and method. 2,581,902, Jan. 8.
Boivin, Albert J., Rumford, Maine. Towing hitch. 2,581,833, Jan. 8.
Bonvillian, Claude A., Chattanooga, Tenn., R. C. Brierly, Narberth, Pa., and S. Letvin, Elmhurst, N. Y. Apparatus for the production and distribution of smoke, fog, vapor clouds. 2,581,353, Jan. 8.
Boothe, Guy L.: *See*—
Swisher, Max B., and Boothe.
Bordner, Charles A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Stabilization of adiponitrile. 2,581,354, Jan. 8.
Borg-Warner Corporation, assignee: *See*—
Ingersoll, Roy C.
Bornemann, William, and D. J. Albert, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic print making machine. 2,582,001, Jan. 8.
Bosshard, Werner: *See*—
Hartmann, Max, and Bosshard.
Bowser, Inc., assignee: *See*—
Blum, Hosmer L.
Boyden, Robert E., Los Angeles, and E. P. Drake, Glendale, assignors to Clary Multiplier Corporation, Los Angeles, Calif. Early factor mechanism. 2,581,624, Jan. 8.
Bradford, George, D. Mulock-Bentley, and N. H. Auret, assignors to Anglo American Corporation of South Africa, Limited, Johannesburg, Transvaal, Union of South Africa. Remote surplus energy dissipation for wound rotor induction motors. 2,581,749, Jan. 8.
Bradley, Stephen D., Detroit, Mich., assignor to Detroit Macoid Corporation. Weather strip. 2,581,574, Jan. 8.
Brady, Merle C., San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation. Reducing propeller vibrational effects. 2,581,625, Jan. 8.
Braithwaite, David G., assignor to National Aluminate Corporation, Chicago, Ill. Preparation of silica-magnesia bead catalyst. 2,582,099, Jan. 8.
Braithwaite, David G., and J. S. D'Amico, assignors to National Aluminate Corporation, Chicago, Ill. Phenol-aldehyde-amine anion exchange resin. 2,582,098, Jan. 8.
Bray, Malcolm D., Noblesville, assignor to Eli Lilly and Company, Indianapolis, Ind. Methylation of curare. 2,581,903, Jan. 8.
Briant, Raymond C., Baltimore, Md., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Chlorination of butadiene polymers and copolymers. 2,581,927, Jan. 8.
Brierly, Ralph C.: *See*—
Bonvillian, Claude A., Brierly, and Letvin.

Broadman, Arthur R., assignor to Heyden Chemical Corporation, New York, N. Y. Apparatus for the continuous production of water gas. 2,581,575, Jan. 8.

Brock, Irvin A., assignee: *See*—
Hill, Glenn.

Broden, Edwin N., Assonet, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Wheel finishing machine. 2,581,928, Jan. 8.

Brooks, John W., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Thienylthio carboxylic acids and thienylthio carboxylic acid esters in lubricating compositions. 2,581,626, Jan. 8.

Broos, Henricus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Reflex amplifier circuit for radio receivers. 2,582,100, Jan. 8.

Brown, Bertrand H., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Impeller mounting. 2,581,834, Jan. 8.

Brown & Bigelow, assignee: *See*—
De Fee, Le Emmette V.

Brown, Leo H., Glenville, Conn. Optical aiming device for indirect artillery fire. 2,581,355, Jan. 8.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Torsional support. 2,581,912, Jan. 8.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Aircraft undercarriage. 2,581,935, Jan. 8.

Brown, William W., Wheatland, Calif. Pruning saw jointer. 2,582,101, Jan. 8.

Browning, Melvin F.: *See*—
Schaffert, Roland M., and Browning.

Brumbaugh, Harold C., assignor of one-third to M. E. Krueger and one-third to H. Heltzel, Portland, Oreg. Folding bed for trailers. 2,581,576, Jan. 8.

Bubb, Alfred H., Southdene, Port Elizabeth, Union of South Africa. Waist-fitting wearing apparel. 2,581,627, Jan. 8.

Bucyrus-Erie Company, assignee: *See*—
Mork, George W., and Reuter.

Buffet, Paul: *See*—
Ahler, George C., and Buffet.

Bugos, John, Alpha, assignor to Goodman Manufacturing Company, Chicago, Ill. Self-loading device for shaker conveyers. 2,581,356, Jan. 8.

Burdick, Frederick E., New London, Conn. Signal attachment for flashlights. 2,581,784, Jan. 8.

Burns, Frances, Philadelphia, Pa. Diaper panty. 2,581,904, Jan. 8.

Burroughs Wellcome & Co. (U. S. A.) Inc., assignee *See*—
Timmis, Geoffrey M.

Bursik, Frank J., Los Angeles, Calif. Jamb. 2,581,750, Jan. 8.

Burstein, Frank I., Dayton, Ohio. Sleeping bag. 2,581,357, Jan. 8.

Burwell, Earl L., Warsaw, Ind. Mouse and rattrap with improved bait holder. 2,581,628, Jan. 8.

Busignies, Henri G., Forest Hills, N. Y., and P. R. Adams, Cranford, N. J., assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Display system indicating craft position and movement. 2,581,358, Jan. 8.

Butterworth, James E.: *See*—
Hilt, Carl, and Butterworth.

Buxton, Incorporated, assignee: *See*—
Harvey, Robert P.

Byrne, Russell W.: *See*—
Gardner, Adryl W., and Byrne.

C-Eight Laboratories, assignee: *See*—
Caruso, Mario.

Calderwood, Arthur J., Traer, Iowa. Window latching device. 2,581,629, Jan. 8.

California Research Corporation, assignee: *See*—
Denison, George H., Jr.
Egan, Clark J.
Standing, Marshall B., Yaplee, and Macaulay.

Callear, Thomas E.: *See*—
Sun, Kuan-Han, and Callear.

Campbell, Harris S., Bryn Athyn, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Auxiliary rotor for helicopters. 2,581,923, Jan. 8.

Candlin, James E., Jr., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car. 2,582,002, Jan. 8.

Candlin, James E., Jr., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Pivoted lavatory apparatus for railway cars. 2,582,003, Jan. 8.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture sensitometry. 2,582,004, Jan. 8.

Carey, Philip, Manufacturing Company, The, assignee: *See*—
Fasold, George A., and Grebler.

Carey, Robert M., assignee: *See*—
Miller, Hubert E.

Carlson, Wilbur L., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Stator and making same. 2,582,005, Jan. 8.

Carr, Edward L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Reaction of substituted sulfenamides with ketones and use of reaction product in rubber vulcanization. 2,581,936, Jan. 8.

Carr, Edward L., Akron, Ohio, and J. R. Rafter, Bristol Ferry, R. I., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Bivalent metal halide addition compounds of substituted sulfenamides. 2,581,905, Jan. 8.

Carr, Lillian E., Washington, D. C. Tress blocker. 2,581,513, Jan. 8.

Carrier Corporation, assignee: *See*—
Ashley, Carlyle M.

Carrigan, Tracy, Lansing, Mich., assignor to Food Machinery and Chemical Corporation. Wheel gauging apparatus. 2,581,630, Jan. 8.

Carta, Daniel L., Kansas City, Mo. Garment hanger. 2,581,631, Jan. 8.

Carter, Ben Keyesport, assignor of one-half to E. Courtwright, Granite City, Ill. Barrel truck. 2,582,102, Jan. 8.

Caruso, Mario, Maplewood, assignor to C-Eight Laboratories, Newark, N. J. Combination article display device and price indicator unit. 2,581,468, Jan. 8.

Castillon, Leah E.: *See*—
Altschul, Aaron M., and Castillon.

Cazier, Harold: *See*—
Lowe, Henry E., and Cazier.

Cedarleaf, Gordon R., assignor to G. E. Lindstrom, Rockford, Ill. Toothbrush holder. 2,582,006, Jan. 8.

Celanese Corporation of America, assignee: *See*—
White, Blanche B., and Barabash.
Whitehead, William, Brown, and Rooney.

Central Pharmacal Company, The, assignee: *See*—
Feinstone, Wolffe H.

Ceskoslovensky Prumysl Lihovarsky a drozdarsky, Narodni Podnik, assignee: *See*—
Roubiček, Richard.

Chaffee, Joseph G.: *See*—
Espenschied, Lloyd, and Chaffee.

Champion Paper and Fibre Company, The, assignee: *See*—
Cox, Edwin P.

Chance, A. B., Company, assignee: *See*—
Hubbard, David C., and Hollander.

Chase Aircraft Company, Inc., assignee: *See*—
Stroukoff, Michael, and Bartfield.

Chase, Fred L., Jr., Dedham, and H. G. Maeder, Jr., Belmont, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Forming side seams in metal can bodies. 2,581,751, Jan. 8.

Chenault, Harvey L.: *See*—
Kimmell, Garman O., and Chenault.

Chesus, Frank O.: *See*—
Richardson, Avery G., and Chesus.

Chilcote, Wilbur B., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Production of thiasuccinic acid derivatives. 2,581,514, Jan. 8.

Christian, Otto R., Kansas City, Mo. Drum and cymbal beating device. 2,581,515, Jan. 8.

Christiansen, Andrew L., Compton, Calif. Fish grading apparatus. 2,582,007, Jan. 8.

Chrysler Corporation, assignee: *See*—
Nims, Paul T.
Smith, Herman W., and Jackson.

Chubb, Loyde N.: *See*—
Olofsson, Gustav A., and Chubb.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Hartmann, Max, and Bosshard.

Clack, Thomas H., South Norwalk, Conn. Hand loom. 2,582,008, Jan. 8.

Clark, James, Dayton, Ohio. Electromagnetic pressure sensitive device. 2,581,359, Jan. 8.

Clark Thread Company, Inc., The, assignee: *See*—
Kershaw, Stanley C.

Clary Multiplier Corporation, assignee: *See*—
Boyden, Robert E., and Drake.

Clegg, Carlton, Rochdale, England. Electric heating of wash boilers and the like. 2,582,103, Jan. 8.

Cleveland Welding Company, The, assignee: *See*—
Mueller, Homer L.

Clipper Manufacturing Company, assignee: *See*—
Wright, Harold J.

Coble, Lucian G., Greensboro, N. C. Intraoral tracer and balancer for dentures. 2,582,104, Jan. 8.

Coe Manufacturing Company, The, assignee: *See*—
Parker, Clarence E.

Coffing, Frederick W., assignor to Coffing Hoist Company, Danville, Ill. Hoist jack. 2,581,577, Jan. 8.

Coffing Hoist Company, assignee: *See*—
Coffing, Frederick W.

Cohen, David, and E. Schreiner, New York, N. Y.; said Schreiner assignor to said Cohen. Folding metallic case. 2,582,189, Jan. 8.

Cohen, Meyer, Flushing, N. Y. Cup and integral straw. 2,581,516, Jan. 8.

Colbert, William H., and A. R. Weinrich, Brackenridge, and W. L. Morgan, Haverford, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Strongly adherent metallic coated article. 2,581,632, Jan. 8.

Collier, R. T., Corporation, assignee: *See*—
Collier, Robert T.

Collier, Robert T., Palos Verdes Estates, assignor to R. T. Collier Corporation, Los Angeles, Calif. Making ammonium sulfite. 2,581,752, Jan. 8.

Collins, Arthur R., F. A. Ryder, and R. D. Randall, Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill. Fuel burning air heater. 2,581,942, Jan. 8.

Collins, Fred V.: *See*—
Spalding, Kenneth F., and Collins.

Columbia Ribbon and Carbon Manufacturing Company, Inc., assignee: *See*—
Newman, Douglas A.

Combe, Louis J., Riverside, Calif. Panoramic camera spring motor. 2,581,633, Jan. 8.

Comtor Company, The, assignee: *See*—
Hunter, William B.

Connecticut Footwear, Inc., assignee: *See*—
Spack, Maurice.

Consolidated Engineering Corporation, assignee: *See*—
Robinson, Charles F.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Brady, Merle C.

Continental Motors Corporation, assignee: *See*—
Bachle, Carl F.

Coons, Burton C., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Pear feeding and orienting apparatus. 2,581,634, Jan. 8.

Cooper, Lee A., Ojus, Fla. Combined truck and implement carrier. 2,581,753, Jan. 8.

Corson, Dale R., Sandoval County, N. Mex., and W. G. Pree, Westchester County, N. Y., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Saw-tooth voltage generator. 2,582,190, Jan. 8.

Cosmos, William J., Chicago, Ill. Contact wheel section. 2,581,754, Jan. 8.

Costa, John E., and O. R. McIntire, assignors to The Dow Chemical Company, Midland, Mich. Stabilizing polymers comprising vinyl or vinylidene chlorides. 2,581,360, Jan. 8.

Couch, S. H., Company, Inc., assignee: *See*—
Johnson, Carl A. P., and Morrison.

Courtwright, Edward, assignee: *See*—
Carter, Ben.

Cowell, Willard H.: *See*—
Biles, John L., Myers, Petry, and Cowell.

Cox, Edwin P., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Wood fiber base material and making the same. 2,581,635, Jan. 8.

Cox, Norman L., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinning viscose. 2,581,835, Jan. 8.

Craighead, John R., Denver, Colo. Tooling articles of leather or the like. 2,581,361, Jan. 8.

Craine, Robert E., Sr., Great Bend, Kans. Rat hole drill. 2,581,362, Jan. 8.

Cramp, George B., Denver, Colo. Process and apparatus for carbonization. 2,581,517, Jan. 8.

Crane, Carlton L., assignee: *See*—
Malm, Carl J., and Crane.

Crane, Carlton L., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of cellulose acetate sulfates. 2,582,009, Jan. 8.

Crane Co., assignee: *See*—
Glaza, Thaddeus J.

Crane, Grant, and K. C. Eberly, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. 1,1-dichlorobutadiene-1,3, its preparation and polymers. 2,581,925, Jan. 8.

Creed and Company Limited, assignee: *See*—
Mason, Frederick P.

Creedon, Neil J., Glens Falls, N. Y. Refrigerator shelf with guide tracks. 2,581,363, Jan. 8.

Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Antistatic treatment of articles comprising vinyl resins and treated articles. 2,581,836, Jan. 8.

Critchley, Thomas, Brimsdown, Enfield, assignor to Johnson & Sons' Smelting Works Limited, Enfield, England. Oxidation of nitrogen oxide fumes. 2,581,518, Jan. 8.

Critchley, Thomas, Brimsdown, Enfield, assignor to Johnson & Sons' Smelting Works Limited, Enfield, England. Manufacture of metal nitrates. 2,581,519, Jan. 8.

Cronkhite, John T., Tulsa, Okla. Device for shutting off gases from pipe lines. 2,582,105, Jan. 8.

Crosby, Edward A., West Newton, Mass. Arbor. 2,582,010, Jan. 8.

Crowley, Andrew Y., Jr., and F. C. Newton, Jr., Griffin, Ga. Material handling machine. 2,582,106, Jan. 8.

Crown Fastener Corporation, assignee: *See*—
Gries, Otto, and Morin.

Crown Zellerbach Corporation, assignee: *See*—
Hyde, James B.

Croxall, Willard J.: *See*—
Van Hook, John O., and Croxall.

Cruise, Alvis L., Marshfield, Mo. Protective cap mold. 2,581,837, Jan. 8.

Cruse, Henry R., Gwynedd Valley, Pa. Traction device. 2,581,578, Jan. 8.

Cunningham, Leonard J., Lincoln, Nebr. Testing apparatus. 2,582,011, Jan. 8.

Cunningham, Lewis L., Sherman Oaks, Calif., and A. L. Judson, assignors to Iron Fireman Manufacturing Company, Portland, Oreg. Oil burner safety control system. 2,581,636, Jan. 8.

Currier, Arthur L., New Ipswich, N. H., assignor to Independent Lock Company, Fitchburg, Mass. Machine for operating on blanks. 2,582,012, Jan. 8.

Curtis, David, New York, N. Y. Amino salts of boric acid-aliphatic polyhydroxy carboxylic acid condensation product. 2,582,191, Jan. 8.

Cushman, Walton W., Webb City, Mo. Drum-handling attachment for industrial trucks. 2,581,364, Jan. 8.

Cutler-Hammer, Inc., assignee: *See*—
Bennett, Edward.
Randall, Cyril E.

Daisy Manufacturing Company, assignee: *See*—
Wells, William S.

Dakin, Guy L., Dansville, Mich. Propeller blade. 2,582,107, Jan. 8.

D'Amico, Joseph S.: *See*—
Braithwaite, David G., and D'Amico.

Danciger Oil & Refining Company, assignee: *See*—
Greene, David H.

Danly, George I.: *See*—
Danly, Philo H., G. I., and Georgeff.

Danly Machine Specialties, Inc., assignee: *See*—
Danly, Philo H., G. I., and Georgeff.

Danly, Philo H., Hinsdale, G. I. Danly, Elmhurst, and Y. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Clutch assembly for presses. 2,581,637, Jan. 8.

Darragh, Frank H., Jr., New Brighton, assignor of one-half to C. W. Read, New Castle, Pa. Crawler tractor friction wheel drive mechanism. 2,581,365, Jan. 8.

Darrow, Burgess, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for filling tires with a liquid. 2,581,914, Jan. 8.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car truck springs. 2,581,520, Jan. 8.

Dautrebande, Lucien A. J., Rhode-Saint-Genese, Belgium, assignor to Aerosol Corporation of America, New York, N. Y. Eliminating dust produced by pneumatic drills. 2,581,943, Jan. 8.

Davis, Arthur L.: *See*—
Earhart, Kenneth A., and Davis.

Davis, Robert O., assignor to Gene Olsen Corporation, Adrian, Mich. Concrete products molding machine. 2,581,579, Jan. 8.

Davis, Roy, Overland, Mo. Container perforator. 2,581,469, Jan. 8.

Davis, Wayne K., Berkeley, Calif. Building construction. 2,581,521, Jan. 8.

Dean, Harold R., Bird Island, Minn. Mower and windrower. 2,582,108, Jan. 8.

De Back, William, and F. H. Luhdorff, San Jose, assignors to Pacific Machinery Company, San Francisco, Calif. Peach pitting head. 2,581,785, Jan. 8.

Decker, Alonzo G., Jr.: *See*—
Riley, Robert H., Jr., and Decker.

Deering, Forrest F., assignor to The H. C. Godman Company, Columbus, Ohio. Tape wetting machine. 2,581,638, Jan. 8.

De Fee, Le Emmette V., assignor to Brown & Bigelow, St. Paul, Minn. Ash tray. 2,582,109, Jan. 8.

De France, Henri, Lyon, France. Moving picture projection device. 2,582,013, Jan. 8.

De France, Henri G., and H. Ernyei, assignors to Society: "La Radio-Industrie," S. A., Paris, France. Scanning device for television transmitters. 2,582,014, Jan. 8.

De Grazia, Joseph, Washington, D. C. Hood gathering means. 2,581,366, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated derivatives of certain solvent soluble phenol-aldehyde resins. 2,581,367, Jan. 8.

De Groote, Melvin, University City, B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Blown oxyalkylated derivatives of certain solvent soluble phenol-aldehyde resins. 2,581,368, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyethylated hydrophile derivatives of certain fractional esters of triricinolein. 2,581,369, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated hydroxy acetic acid-esterified oxyalkylated phenol aldehyde resins. 2,581,370, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Hydroxy acetic acid esters of oxyalkylated phenol-aldehyde resins. 2,581,371, Jan. 8.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of blown hydroxy acetylated ricinoleic acid compounds with oxyalkylated phenol aldehyde resins. 2,581,372, Jan. 8.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of hydroxy acetylated blown ricinoleic acid compounds with oxyalkylated phenol aldehyde resins. 2,581,373, Jan. 8.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of hydroxy acetylated blown ricinoleic acid compounds with oxyalkylated phenol aldehyde resins. 2,581,374, Jan. 8.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of sulfo high fatty acids with oxyalkylated phenol aldehyde resins. 2,581,375, Jan. 8.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Detergent forming monocarboxy acid esters of certain oxyalkylated phenol-aldehyde resins. 2,581,376, Jan. 8.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain esters of carboxy acids with oxyalkylated phenol-aldehyde resins. 2,581,377, Jan. 8.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of drastically oxidized dehydrated castor oil fatty acids with oxyalkylated phenol aldehyde resins. 2,581,378, Jan. 8.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of drastically oxidized castor oil fatty acids with oxyalkylated phenol aldehyde resins. 2,581,379, Jan. 8.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of oxyalkylated phenol aldehyde resins with polyhydric alcohol-polybasic carboxy acid-monocarboxy acid esters. 2,581,380, Jan. 8.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of certain oxyalkylated phenol-aldehyde resins with polyhydric alcohol-polybasic carboxy acid acyloxy acid esters. 2,581,381, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of alpha-halogen carboxy acids with oxyalkylated phenol-aldehyde resins. 2,581,382, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Heterocyclic quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. 2,581,383, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Acylated amino alcohol quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. 2,581,384, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Quaternary ammonium glyoxalidine derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. 2,581,385, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. High molal amine quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. 2,581,386, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. High molal amine quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. 2,581,387, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Hydroxy acids esters of oxyalkylated phenol-aldehyde resins. 2,581,388, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Drastic oxidation products of unsaturated fatty acid esters of oxyalkylated phenol-aldehyde resins. 2,581,389, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Unsaturated acid esters of oxyalkylated phenol-aldehyde resins. 2,581,390, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Chloro-oxypropylated derivatives of oxyalkylated phenol-aldehyde resins. 2,581,391, Jan. 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Quaternary ammonium derivatives of chloroxy propylated oxyalkylated phenol-aldehyde resins. 2,581,392, Jan. 8.

Deist, Herbert H., and F. H. Mason, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Mold for electronic vulcanization. 2,581,939, Jan. 8.

De Laval Steam Turbine Company, assignee: *See*—
Sennet, Morgan B.

Dellaira, Angelo J.: *See*—
Pakman, Marvin H., and Dellaira.

Demeulenaere, Marcel, and R., New York, N. Y. Computing device. 2,581,393, Jan. 8.

Demeulenaere, Robert: *See*—
Demeulenaere, Marcel, and R.

Den Hertog, Martinus: *See*—
Wright, Esmond P. G., and den Hertog.

Denison, George H., Jr., San Rafael, assignor to California Research Corporation, San Francisco, Calif. Diesel fuel oil. 2,582,192, Jan. 8.

Detroit Macoid Corporation, assignee: *See*—
Bradley, Stephen D.

Devoe & Raynolds Company, Inc., assignee: *See*—
Zech, John D.

Dewey and Almy Chemical Company, assignee: *See*—
Chase, Fred L., Jr., Maeder.

Diamond Alkali Company, assignee: *See*—
McDaniel, George R.

Diebold, Incorporated, assignee: *See*—
Behrens, Herbert C., and Badenell.
Talmage, John H., and Finley.

Dieffenderfer, John E., Constantine, assignor of one-half to J. M. Harvey, Dearborn, Mich. Electrical connection box. 2,581,755, Jan. 8.

Diemer, Gesinus: *See*—
Jonker, Johan L. H., and Diemer.

Dietmann, Paul W., Jonkoping, assignor to Aktiebolaget Siefuert & Fornander, Kalmar, Sweden. Machine for cutting match splints or the like. 2,581,786, Jan. 8.

Dinger, Jacob E., Washington, D. C. Method of and apparatus for measuring the thickness of nonconducting coatings or films. 2,581,394, Jan. 8.

Dingman, Thomas C., assignor to The Studebaker Corporation, South Bend, Ind. Door lock. 2,581,838, Jan. 8.

Disposable Bottle Corporation, assignee: *See*—
Allen, Adda M.

Distillers Company, Limited, The, assignee: *See*—
Twigg, George H.

Donna, Joseph D., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stoker control apparatus. 2,581,522, Jan. 8.

Donnell, John S., assignor to Florida Fibre Box Company, Sarasota, Fla. Container. 2,581,944, Jan. 8.

Dooley, William P., St. Albans, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Cutter. 2,581,470, Jan. 8.

Doran, Robert F., assignor to Sylvania Electric Products Inc., Emporium, Pa. Apparatus for sealing-in electron tubes and the like. 2,581,945, Jan. 8.

Doughty, Robert T., assignor to General Motors Corporation, Detroit, Mich. Valve rotating device. 2,581,471, Jan. 8.

Douglas Aircraft Company, Inc., assignee: *See*—
Harpoothian, Edward, and Miner.
Lombard, Nathaniel A., and Taggart.

Douglas, George T., Washington, D. C. Drawing instrument. 2,581,839, Jan. 8.

Dovica, Anthony, Los Angeles, Calif. Collar pin with control means. 2,581,580, Jan. 8.

Dow Chemical Company, The, assignee: *See*—
Costa, John E., and McIntire.

Dowdell, Sidney M., Natick, and I. L. Giovanella, Dover, assignors of one-third to E. L. Salisbury, Madison, and D. C. Steels, Basking Ridge, N. J. Quick-attaching traction device. 2,582,193, Jan. 8.

Drake, Edward P.: *See*—
Boyden, Robert E., and Drake.

Drake, Nathan L., College Heights, Md., and C. M. Eaker, Affton, Mo., assignors to the United States of America as represented by the Secretary of the Army. Insect repellent. 2,581,840, Jan. 8.

Drake, Nathan L., College Heights, Md., and C. M. Eaker, Affton, Mo., assignors to the United States of America as represented by the Secretary of the Army. Insect repellent. 2,581,841, Jan. 8.

Drake, Nathan L., College Heights, Md., and C. M. Eaker, Affton, Mo., assignors to the United States of America as represented by the Secretary of the Army. Insect repellent. 2,581,842, Jan. 8.

Draughon, R. C., trustee, assignee: *See*—
Randall, Norman B.

Dreyer, Albert, Lucerne, Switzerland. Manufacturing highly resilient corrugated tubes. 2,581,787, Jan. 8.

Driver-Harris Company, assignee: *See*—
Lohr, James M.

Drycor Felt Company, assignee: *See*—
Gates, Percival T.

Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Anion exchange resins which are polyamine-polyacrylate reaction products. 2,582,194, Jan. 8.

Dudley, Raymond H., Guilford, and C. A. Larson, assignors to The Whitney Blake Company, Hamden, Conn. Multiple conductor insulated wire. 2,581,472, Jan. 8.

Duerr, Leonard H., assignor to O P W Corporation, Cincinnati, Ohio. Automatic shutoff dispensing nozzle valve. 2,582,195, Jan. 8.

Duesler, Walter J., Gloversville, N. Y. Inside and outside calipers, height and depth gauge, with dial indicator. 2,581,946, Jan. 8.

Dulak, John T.: *See*—
Biermann, William A., and Dulak.

Duncan, James E., Brackenridge, and J. J. Smith, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company. Glass to metal seal and glass composition. 2,581,639, Jan. 8.

Duncan, Thomas P., Jr., Newport News, Va. Fishing lure for use in connection with haul seine systems. 2,582,015, Jan. 8.

Duncan, William E., Sea Cliff, N. Y. Time-measuring device. 2,582,196, Jan. 8.

Dunn, Fred P., Glendale, Calif. Parking lot way control. 2,581,788, Jan. 8.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Blume, Roe C.
Bordner, Charles A.
Cox, Norman L.
Eggleston, Watson.
Hochberg, Seymore.
Pyle, Cyrus, and Lane.

Duratube & Wire Limited, assignee: *See*—
Veit, Julius.

Durney, (Young), Mary M., executrix: *See*—
Alexander, William.

Dutcher, Harris A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of acetylene. 2,582,016, Jan. 8.

Duval, Montague H., Great Neck, N. Y. Compound outlet valve for faucets. 2,582,110, Jan. 8.

E & J Manufacturing Co., assignee: *See*—
Stanton, Philip L.

Eagle, John H., assignor to Eastman Kodak Company, Rochester, N. Y. Balance. 2,582,017, Jan. 8.

Eaker, Charles M.: *See*—
Drake, Nathan L., and Eaker.

Eakin, Lourie L., Ventura, Calif. Hoisting apparatus. 2,582,111, Jan. 8.

Earhart, Kenneth A., Baltimore, Md., and A. L. Davis, Hastings on Hudson, assignors, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Water-tolerant, heat-convertible, heat- and steam-setting resins for use in inks. 2,581,335, Jan. 8.

Eastman Kodak Company, assignee: *See*—
Bornemann, William, and Albert.
Capstaff, John G.
Crane, Carlton L.
Eagle, John H.
Malm, Carl J., and Crane.
Minsk, Louis M., and Taylor.
Reynolds, Delbert D., and Kenyon.
Scudder, Stanley L.
Sun, Kuan-Han, and Callear.
Tolle, Karl.
Turner, John R., and Elliott.

Eberly, Kenneth C.: *See*—
Crane, Grant, and Eberly.

Eberly, Kenneth C., Akron, and R. J. Reid, Canal Fulton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Chlorination of butadiene. 2,581,929, Jan. 8.

Edlund, Daniel L.: *See*—
Strauss, Jerome, and Edlund.

Edmonds, James T.: *See*—
Hillyer, John C., and Edmonds.

Edwards, Frederick J., West Kirby, England. Picture frame. 2,581,843, Jan. 8.

Egan, Clark J., Piedmont, assignor to California Research Corporation, San Francisco, Calif. Solvent extraction process. 2,582,197, Jan. 8.

Eggleston, Watson, Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous emulsion polymerization of vinyl acetate in the presence of methanol. 2,581,844, Jan. 8.

Eisele, Andrew, Detroit, Mich. Combination offset and straight internal bore gauge. 2,581,473, Jan. 8.

Ekco Products Company, assignee: *See*—
Zimmer, Myron J.

Elastic Stop Nut Corporation of America, assignee: *See*—
Peters, Howard, and Huedike.
Zitzewitz, Arthur F.

Electrolux Corporation, assignee: *See*—
Lampe, Robert C.

Elevator Supplies Company, Inc., assignee: *See*—
Orr, Carroll E.

Elfstrom, John A., Philadelphia, Pa. Gas piston operated firearm. 2,581,395, Jan. 8.

Elliott Company, assignee: *See*—
Roberts, Irving.

Elliott, Phillip N., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Forming fin vibration damper. 2,581,845, Jan. 8.

Elliott, Rudolph W.: *See*—
Turner, John R., and Elliott.

Ellison Bronze Company, Inc., assignee: *See*—
Bates, Wilmot S.

El-Said, Mohamed A. H., Giza, Egypt. Thermionic multiplying and measuring circuit. 2,582,018, Jan. 8.

Elsner, Frank, Hanover, Pa. Paster and hold-down means for labeling machines. 2,582,019, Jan. 8.

Emery, Sheldon B., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Electrolytic polishing. 2,582,020, Jan. 8.

Engineering Research Corporation, assignee: *See*—
Barret, William M.

Erickson, Frank A., Elizabeth City, N. C. Stabilizer for rotary wing aircraft. 2,581,396, Jan. 8.

Eriksson, Herbert, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Gyrostatic stabilizer. 2,581,846, Jan. 8.

Erisman, John L., Oak Park, Ill., assignor to Link-Belt Company. Rotary drier or cooler. 2,581,756, Jan. 8.

Ernst, George M., Compton, Calif. Vise-operated rod cutter. 2,582,021, Jan. 8.

Ernyei, Herbert: *See*—
de France, Henri G., and Ernyei.

Espenschied, Lloyd, Kew Gardens, N. Y., and J. G. Chaffee, Hackensack, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiant energy object locating system. 2,581,847, Jan. 8.

Etheridge, Oliver R., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Jet pasting of starch. 2,582,198, Jan. 8.

Ettl, Joseph, Brooklyn, N. Y. Coating machine. 2,581,848, Jan. 8.

Evangelista, Tullio, Milan-Bovisa, Italy. Self-centering chuck. 2,581,474, Jan. 8.

Evans, Ralph L., assignee: *See*—
Plentl, Albert A.

Even-Pul Foundations, Inc., assignee: *See*—
Rosner, Irving.

Fair, Davis L., Louisville, Miss. Endmatcher, woodworking machine. 2,581,947, Jan. 8.

Falk, Walter S., Kew Gardens, N. Y. Film vending machine. 2,581,581, Jan. 8.

Fargo Mfg. Company, Inc., assignee: *See*—
Schoonmaker, Raymond B.

Fasold, George A., Mount Healthy, and H. W. Greider, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company. Bituminous composition. 2,581,640, Jan. 8.

Federal Telecommunication Laboratories, Inc., assignee: *See*—
Bisignies, Henri G., and Adams.

Federal Telephone and Radio Corporation, assignee: *See*—
Richardson, Avery G., and Chesus.

Feinstone, Wolffe H., assignor to The Central Pharmacal Company, Seymour, Ind. Amino acid salts of mersalyl and preparing the same. 2,581,397, Jan. 8.

Feldman, Jack E., and W. M. Martin, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Mold part and fastening means. 2,582,022, Jan. 8.

Feldman, Julian, and M. Orchin, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Separation of α-methyl naphthalene from β-methyl naphthalene by azeotropic distillation. 2,581,398, Jan. 8.

Fenner, John N., Asheville, N. C. Jointer. 2,581,475, Jan. 8.

Ferguson Radio Corporation Limited, assignee: *See*—
Hodges, Gordon F.

Ferguson, Vernon E., Swan, Mo. Fire extinguisher. 2,582,112, Jan. 8.

Ferrari, Andrés, Jr., assignor, by mesne assignments, to Technicon Chemical Company, Inc., New York, N. Y. Staining slides and staining solutions therefor. 2,581,523, Jan. 8.

Ferrer, Edwin R., Fairfield, assignor to The Bassick Company, Bridgeport, Conn. Safety guard for presses. 2,582,023, Jan. 8.

Ferris, David R., assignor to Kysor Heater Company, Cadillac, Mich. Thermostatically operated valve. 2,581,582, Jan. 8.

Field, Edward A., Jr., Mendota, Ill. Draft control. 2,581,757, Jan. 8.

Fields, Ernest, New York, N. Y. Toy track system. 2,581,583, Jan. 8.

Fields, Ernest, New York, N. Y. Movement for animated toys. 2,581,584, Jan. 8.

Finken, Walter S.: *See*—
Frieder, Leonard P., and Finken.

Finken, Walter S., Brooklyn, and L. P. Frieder, Great Neck, N. Y., assignors, by mesne assignments, to the Reconstruction Finance Corporation, Philadelphia, Pa. Delay opening parachute pack and releasing assembly therefor. 2,582,113, Jan. 8.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Heat setting and temperature indication in flatirons. 2,582,024, Jan. 8.

Finley, Robert W.: *See*—
Talmage, John H., and Finley.

Firestone Tire & Rubber Company, The, assignee: *See*—
Albert, Harry E.
Albert, Harry E., and Smith.
Alliger, Glen.
Briant, Raymond C.
Broden, Edwin N.
Brown, Roy W.
Campbell, Harris S.
Carr, Edward L.
Carr, Edward L., and Rafter.
Crane, Grant, and Eberly.
Darrow, Burgess.
Deist, Herbert H., and Mason.
Eberly, Kenneth C., and Reid.
Groten, Frank J., and Reid.
Kinzinger, Siegfried M
Kitchen, Leland J.
Kubaugh, Le Roy M.
Kuhn, Leroy B.
Radcliffe, Milton R.
Secrest, William J.
Shinn, Byron H., and Ullman.
Smith, George E. P., Jr.
Smith, George E. P., Jr., and Albert.
Spencer, George A.
Stevens, Horace D.
Swanson, Carl R., Olson, and Armitage.

Fisch, Paul, assignor to Transimpex, Import, Export und Transit A. G., Zurich, Switzerland. Container with cap. 2,581,849, Jan. 8.

Fischer, Albert W., Highland Park, and A. D. McDuffie, Berkley, assignors to General Motors Corporation, Detroit, Mich. Gyroprocessing means. 2,581,476, Jan. 8.

Flax, Valer, Vic-Fezensac, Gers, France. Inking ribbon for typewriters and the like. 2,581,585, Jan. 8.

Fleischmcker, Desider, New York, and N. Barsel, Laurelton, assignors to International Hormones, Inc., Brooklyn, N. Y. Adrenochrome compositions. 2,581,850, Jan. 8.

Flora, Laurence H.: *See*—
Hartman, Richard A., and Flora.

Florida Fibre Box Company, assignee: *See*—
Donnell, John S.

Flounders, Clement G., Philadelphia, Pa. Lock for trolley wheels. 2,581,948, Jan. 8.

Food Machinery and Chemical Corporation, assignee: *See*—
Carrigan, Tracy.
Coons, Burton C.
Malin, Ralph D., and Stockdale.
Mumma, Harold J.
Thompson, Albert R.

Forbes, Charles J., Terre Haute, Ind. Cutting chain structure. 2,581,586, Jan. 8.

Ford, George C., San Marino, assignor to Joyce, Inc., Pasadena, Calif. Making midsole-outsole assemblies for shoes. 2,581,524, Jan. 8.

Fordon, Lee A., assignee: *See*—
Ulrich, Fred J.

Forgaard, Harcourt L., Wordsley, near Stourbridge, England. Nut. 2,581,641, Jan. 8.

Forman, Sylvan E., Baltimore, Md., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Azeotropic distillation of methanol and acetone with hexane. 2,581,789, Jan. 8.

Forney, Jim C., Chilton, Tex. Cotton chopping and weeding device. 2,581,642, Jan. 8.

Forster, John O., assignor, by mesne assignments, to Heli-Coil Corporation, Long Island City, N. Y. Thread insert for molded or cast material. 2,581,399, Jan. 8.

Fortuna Brothers, assignee: *See*—
Hauert, Henry.

Francis & Lusky Co., Inc., assignee: *See*—
Francis, Paul R.

Francis, Paul R., assignor to Francis & Lusky Co., Inc., Nashville, Tenn. Folding fan. 2,581,643, Jan. 8.

Frank, Bernard E., J. W. Armstrong, and G. E. Histed, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Tube cutting apparatus. 2,582,025, Jan. 8.

Frankenstein, William P., assignee: *See*—
Freel, William G., and Jones.

Franks, John H., Daytona Beach, Fla. Decaulking apparatus. 2,581,477, Jan. 8.

Franson, Herbert C.: *See*—
Solum, Thorsten, and Franson.

Freel, William G. and S. F. Jones, London, Ontario, Canada, assignors to W. P. Frankenstein, Cincinnati, Ohio. Carton. 2,581,400, Jan. 8.

Freeman, Robert M., United States Navy. Torpedo director. 2,581,401, Jan. 8.

Frick, Chester A., Glendale, Calif. Coin released skill game apparatus. 2,581,644, Jan. 8.

Frieder, Leonard P.: *See*—
Finken, Walter S., and Frieder.

Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y., assignors to Reconstruction Finance Corporation, Philadelphia, Pa. Delay opening parachute pack and knife plunger releasing assembly therefor. 2,581,645, Jan. 8.

Friedman, Max, High Point, N. C. Closure for container having a neck with a reduced outer portion and a bore, and seals for said bore and said reduced portion. 2,582,026, Jan. 8.

Friend, Dawson: *See*—
Smith, Lowell J., and Friend.

Frisch, Hans R., Montreal, Quebec, Canada, assignor to United States Rubber Company, New York, N. Y. Synthesis of styrene oxide. 2,582,114, Jan. 8.

Froelich, George E., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Clamped hold-down strap. 2,581,646, Jan. 8.

Frost, Orcutt W.: *See*—
Willey, Grant S., and Frost.

Fryling, Charles F., Phillips, Tex., assignor to Phillips Petroleum Company. Stabilized redox compositions. 2,581,402, Jan. 8.

Gabilan Iron and Machine Co., assignee: *See*—
King, Earle M.

Gabrielson, Elmer T., Yacolt, Wash. Concrete form clamp. 2,581,403, Jan. 8.

Gaddis, Gene T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control apparatus. 2,581,525, Jan. 8.

Gaddoni, Louis, New Rochelle, N. Y. Gasoline economizer valve. 2,581,478, Jan. 8.

Galliano, John B., Oakland, and J. R. Grigg, Alameda, assignors, by mesne assignments, to Industrial Ideas, Inc., Oakland, Calif. Harpoon cannon. 2,581,758, Jan. 8.

Gardner, Adryl W., Redlands, and R. W. Byrne, Glendale, assignors to Gardner-Byrne Construction Company Incorporated, Los Angeles, Calif. Roller-type aggregate compacting device. 2,582,199, Jan. 8.

Gardner-Byrne Construction Company Incorporated, assignee: *See*—
Gardner, Adryl W., and Byrne.

Garrett Corporation, Airesearch Manufacturing Company Division, The, assignee: *See*—
Mayer, Waldemar F.

Gates, Percival T., Suffield, Conn., assignor to Drycor Felt Company, Belleville, N. J. Industrial and papermaker's felt. 2,581,790, Jan. 8.

Geever, Chester L.: *See*—
Morton, Evans T., and Geever.

General Aniline & Film Corporation, assignee: *See*—
Rottschaefer, Bernard W.

General Electric Company, assignee: *See*—
Beggs, James E.
Blatz, Walter L.
Finlayson, Frank E.
Goff, Leon E., Jr.
Harbison, George C.
Hausler, George M.
Jewell, William R.
Lafferty, James M.
Phillips, Lester L.
Sprung, Murray M.
Swenson, Alfred G.
Terrey, Robert J.
Walthers, Earle R.

General Electric Company, Limited, The, assignee: *See*—
Willshaw, William E.

General Gas Light Company, assignee: *See*—
Humphrey, Robert P.

General Motors Corporation, assignee: *See*—
Anderson, Louis A., and Slattery.
Carlson, Wilbur L.
Doughty, Robert T.
Emery, Sheldon B.
Feldman, Jack E., and Martin.
Fischer, Albert W., and McDuffie.

General Motors Corporation, assignee: *See*—
Frank, Bernard E., Armstrong, and Histed.
Hawkins, Harry.
Larsen, Grayland T.
Oldham, Ernest.

General Railway Signal Company, assignee: *See*—
Stright, Benjamin M.
Wells, Robert F.

Genovese, Anthony L., assignor to The National Plastic Products Company, Odenton, Md. Crown cap and pad. 2,581,647, Jan. 8.

Georgeff, Vasil: *See*—
Danly, Philo H., G. I., and Georgeff.

Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,581,949, Jan. 8.

Geyer, Clarence P., Mason City, Iowa. Corn planter wheel shield. 2,581,526, Jan. 8.

Gianoli, Marcel, Neuilly-sur-Seine, assignor to Societe Civile D'Etudes De Constructions Aeronautiques E. C. A., Paris, France. Robot turn controlling device for airplanes. 2,581,851, Jan. 8.

Gibson, Harry L.: *See*—
Stone, Harry F., and Gibson.

Gienger, Fred, Highland Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Silent pawl and ratchet. 2,581,648, Jan. 8.

Gilbert, Everett E., Flushing, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Herbicide. 2,581,852, Jan. 8.

Gilman, Wilbert M., Wellesley Hills, assignor to Lewis-Shepard Company, Watertown, Mass. Industrial lift truck. 2,581,791, Jan. 8.

Gilson, Robert M., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Track circuit apparatus. 2,581,527, Jan. 8.

Ginzton, Edward L., Redwood, Calif., assignor to The Sperry Corporation. High-frequency modulator apparatus. 2,581,404, Jan. 8.

Giovanella, Italo L.: *See*—
Dowdell, Sidney M., and Giovanella.

Glaza, Thaddeus J., assignor to Crane Co., Chicago, Ill. Conduit indexing and coupling device. 2,581,853, Jan. 8.

Glegg, Gordon L., Kingston Hill, assignor of one-half to The Square Grip Reinforcement Company (London) Limited, London, England. Method and apparatus for determining water content of concrete in the fluid state. 2,581,950, Jan. 8.

Godman, H. C., Company, The, assignee: *See*—
Deering, Forrest F.

Goff, Leon E., Jr., Drexel Hill, Pa., assignor to General Electric Company. Automatic circuit breaker reclosing system and apparatus. 2,582,027, Jan. 8.

Gohorel, Fernand P., and G. J. M. Penet, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Marker-controlled selector system. 2,581,405, Jan. 8.

Goins, Robert R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater chamber design. 2,582,116, Jan. 8.

Goldman, Sydney B., Washington, D. C., and R. H. Krueger, Maplewood, N. J., assignors, by mesne assignments, to BLC Inc., Wilmington, Del. Lighter. 2,582,028, Jan. 8.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Zero suppressing means for printing machines. 2,581,649, Jan. 8.

Golumbic, Calvin, and M. Orchin, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Separation of individual phenols from a mixture of isomeric, homologous, or other closely-related phenols. 2,581,406, Jan. 8.

Goodell, Guy C., Jr., Worcester, Mass., assignor to Safety Hydraulics Company. Expansion and safety device for hydraulic brake systems. 2,581,792, Jan. 8.

Goodeve, James E., Brooklyn, N. Y. Posture attachment for chairs. 2,582,115, Jan. 8.

Goodman Manufacturing Company, assignee: *See*—
Bugos, John.

Goodrich, B. F., Company, The, assignee: *See*—
Hickler, Walter R.

Gorin, Everett, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Converting carbon to electrical energy. 2,581,650, Jan. 8.

Gorin, Everett, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Integrated gasification electrochemical system. 2,581,651, Jan. 8.

Goss Printing Press Company, The, assignee: *See*—
McWhorter, Henry L.

Goss, Worth C., assignor to United States Sheetwood Company, Seattle, Wash. Manufacturing sheet wood. 2,581,652, Jan. 8.

Grano, Gaspare: *See*—
Rutkiewicz, Joseph, and Grano.

Grant, Gordon A.: *See*—
Beall, Desmond, and Grant.

Grasham, Charles W., Dallas, Tex. Palm tree pruner. 2,581,479, Jan. 8.

Gray, G. A., Company, The, assignee: *See*—
Marx, Graham E.

Gray, Russell J., Meadeville, Minn. Endless track. 2,581,587, Jan. 8.

Green, Clarence J., assignor to Norton Company, Worcester, Mass. Cam grinding machine. 2,581,759, Jan. 8.

Greene, David H., Los Angeles, Calif., assignor to Danciger Oil & Refining Company, Fort Worth, Tex. Fluid flowmeter. 2,581,588, Jan. 8.

Greider, Harold W.: *See*—
Fasold, George A., and Greider.

Gries, Otto, New Rochelle, and L. H. Morin, Bronx, N. Y., said Gries assignor of one-half to Crown Fastener Corporation, Warren, R. I. Freeing and ejecting die castings formed on cores. 2,581,854, Jan. 8.

Griffith, Raymond C., Detroit, Mich. Valve. 2,581,855, Jan. 8.

Grigg, John R.: *See*—
Galliano, John B., and Grigg.

Grimshaw, Emile, London, England. Electrical pickup for string instruments. 2,581,653, Jan. 8.

Griswold, Dale G.: *See*—
Griswold, Sherwin B. and D. G.

Griswold, Sherwin B. and D. G., Newton, Kans. Vehicle suspension. 2,581,528, Jan. 8.

Groten, Frank J., Upper Montclair, N. J., and R. J. Reid, Canal Fulton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Friction elements. 2,581,926, Jan. 8.

Grove Regulator Company, assignee: *See*—
Witt, Richard M.

Gruss, Lucien R., Middletown, Ohio. Vehicle suspension. 2,581,856, Jan. 8.

Guercken, Nina K., executrix: *See*—
Kadenacy, Michel.

Guiberson Corporation, The, assignee: *See*—
Taylor, Raymond G., Jr.

Guillermet, Paul, and F. Planet, Lyon, France. Apparatus for cutting out optical glasses. 2,582,117, Jan. 8.

Gulf Research & Development Company, assignee: *See*—
Kennedy, Harvey T., and Rogers.

H & B American Machine Company, assignee: *See*—
Walsh, Samuel R.

Haas, Joseph D., assignor to U. S. Bedding Company, Memphis, Tenn. Spring attachment means. 2,581,761, Jan. 8.

Hadley, Walter N., Chicago, Ill. Expansible cleaning brush for hot-air furnace radiators or the like. 2,581,480, Jan. 8.

Haedike, Edward J.: *See*—
Peters, Howard, and Haedike.

Hain, George M., United States Navy. Joint lubricant and sealing composition. 2,581,407, Jan. 8.

Hall, Warren D., Oakland, Calif. Binding strap anchoring means. 2,581,529, Jan. 8.

Haller, Augustine C., Berwyn, Md. Airplane with movable wing tips. 2,582,118, Jan. 8.

Hallonquist, Earl G., assignor to Plywood Research Foundation, Tacoma, Wash. Dry process for making composite consolidated products with controlled presteaming of the raw materials. 2,581,654, Jan. 8.

Halward, Folke, Detroit, Mich. Die casting machine. 2,582,029, Jan. 8.

Halward, Folke, Detroit, Mich. Piston lock for die casting and other machines. 2,582,030, Jan. 8.

Hamilton, Donald R., Princeton, N. J., assignor to The Sperry Corporation. High-frequency electron discharge device. 2,581,408, Jan. 8.

Hamilton Manufacturing Company, assignee: *See*—
Froelich, George E.

Hansgirg, Fritz J., deceased, Black Mountain, N. C.; J. M. Hansgirg, administratrix, assignor to North Carolina Magnesium Development Corporation, Asheville, N. C. Production of magnesium. 2,582,119, Jan. 8.

Hansgirg, Fritz J., deceased, Yonkers, N. Y.; J. M. Hansgirg, administratrix, assignor to North Carolina Magnesium Development Corporation, Asheville, N. C. Production of magnesium. 2,582,120, Jan. 8.

Hansgirg, Josefine M., administratrix: *See*—
Hansgirg, Fritz J.

Harban, Arthur A.: *See*—
Lyon, Joseph P., and Harban.

Harbison, George C., Erie, Pa., assignor to General Electric Company, New York, N. Y. Drain mounting and sealing arrangement. 2,582,031, Jan. 8.

Harden, Kermit A., Fairview, Ill. Spark plug connection and seal. 2,581,655, Jan. 8.

Harless, Charles A., Riverside, Conn., assignor to R. Hoe & Co., Inc., New York, N. Y. Bearing support for printing presses. 2,581,656, Jan. 8.

Harlow, Earl V., Beaver, assignor to Koppers Company, Inc., Pittsburgh, Pa. Dry quenching coke. 2,581,409, Jan. 8.

Harmon, Robert R., and J. T. Michie, assignors to Southern Welding & Machine Company, Charlottesville, Va. Earth handling implement. 2,582,032, Jan. 8.

Harpoothian, Edward, Los Angeles, and M. A. Miner, Pacific Palisades, Calif., assignors to Douglas Aircraft Company, Inc. Airplane deicing construction. 2,581,760, Jan. 8.

Harris, Lewis E.: *See*—
Mourer, Kermit L., and Harris.

Harrison, Bertram M., Wellesley, Mass. Removable gate. 2,581,857, Jan. 8.

Harshaw Chemical Company, The, assignee: *See*—
Harshaw, William J., and Hay.

Harshaw, William J., Shaker Heights, and J. O. Hay, Cleveland Heights, assignors to The Harshaw Chemical Company, Cleveland, Ohio. Copper compounds and manufacture thereof. 2,581,951, Jan. 8.

Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Milking machine trap. 2,581,530, Jan. 8.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Broos, Henricus A.
Jonker, Johan L. H., and Diemer.
Kleis, Derk, and van Tol.
Mann, Ernö.

Hartman, Richard A., and L. H. Flora, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,581,481, Jan. 8.

Hartmann, Max, and W. Bosshard, Richen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Phenoxyethyl-dimethyl-dodecyl-ammonium halides. 2,581,336, Jan. 8.

Hartzog, Buford H., Texas City, Tex., assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions of matter comprising halogenated organic compounds. 2,582,200, Jan. 8.

Harvey, Herman S., Minersville, Pa. Dental mirror and retractor. 2,582,121, Jan. 8.

Harvey, J. Mark, assignee: *See*—
Dieffenderfer, John E.

Harvey, Robert P., Longmeadow, assignor to Buxton, Incorporated, Springfield, Mass. Key hanger support for key cases. 2,582,033, Jan. 8.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway car trucks. 2,581,531, Jan. 8.

Haskett, Burl W., Huntington, Ind. Gate structure. 2,582,122, Jan. 8.

Hauert, Henry, Guttenberg, assignor to Fortuna Brothers, North Bergen, N. J. Adjustable shoe tree. 2,581,952, Jan. 8.

Hausler, George M., Schenectady, N. Y., assignor to General Electric Company. Snap action switch. 2,582,034, Jan. 8.

Hawkins, Harry, Saginaw, assignor to General Motors Corporation, Detroit, Mich. Ball nut. 2,581,482, Jan. 8.

Hawley Products Company, assignee: *See*—
Johnson, Arthur H.

Hay, John O.: *See*—
Harshaw, William J., and Hay.

Heaton-Armstrong, Louis J., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric wave amplifier. 2,581,410, Jan. 8.

Hecht, Maynard L., Jackson Heights, and R. Sanford, Yonkers, assignors, by mesne assignments, to Insl-X Corporation, Briarcliff Manor, N. Y. Circuit for constant voltage amplifiers. 2,581,953, Jan. 8.

Heitz Instruments, Inc., assignee: *See*—
Heitz, Walter E.

Heitz, Walter E., Scarsdale, assignor to Heitz Instruments, Inc., New York, N. Y. Adjustable length sphygmomanometer cuff or sleeve. 2,582,123, Jan. 8.

Helgerud, Oyvind, Oslo, Norway. Process in pretreating vegetables and fruits before freezing. 2,581,484, Jan. 8.

Heli-Coil Corporation, assignee: *See*—
Forster, John O.

Heller, Maximilian, London, England. Suspended assembly for seats or the like. 2,581,483, Jan. 8.

Heltzel, Herbert, assignee: *See*—
Brumbaugh, Harold C.

Hem, Arne G., Hot Sulphur Springs, Colo. Ski. 2,581,532, Jan. 8.

Hendrickson, Fritz E., South Elgin, assignor of fifty per cent to M. Ireland, Elgin, Ill. Buffing wheel. 2,581,411, Jan. 8.

Heppner, Myron R., Round Lake, Ill. Focusing and centering device for cathode-ray tubes. 2,581,657, Jan. 8.

Herbst, Philip J., Princeton, N. J., assignor to Radio Corporation of America. Position indicating system. 2,581,589, Jan. 8.

Herkenham, Thomas A., Schenectady, N. Y. Fishing plug with guarded hook. 2,581,485, Jan. 8.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Geophysical exploration. 2,581,412, Jan. 8.

Hesse, Frank, Hackensack, N. J. Sign holder and post therefor. 2,581,762, Jan. 8.

Hettrick Manufacturing Company, The, assignee: *See*—
Smith, Isidore P.

Hewson Manufacturing Company Limited, The, assignee: *See*—
Oyston, William R.

Heyden Chemical Corporation, assignee: *See*—
Broadman, Arthur R.

Hickler, Walter R., Winthrop, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Briefcase and making same. 2,581,763, Jan. 8.

Hicks Russell, Los Angeles, Calif. Vertically adjustable table. 2,581,658, Jan. 8.

Hill, Earl J., Bahama, N. C. Toilet paper holder. 2,582,036, Jan. 8.

Hill, Glenn, assignor to I. A. Brock, Los Angeles, Calif. Extension for bed rails. 2,582,035, Jan. 8.

Hill, N. N., Brass Company, The, assignee: *See*—
Bessell, Howard W.

Hill, Rolo D., Los Angeles, Calif. Chair with flexible seat. 2,581,793, Jan. 8.

Hillyer, John C., Bartlesville, Okla., and J. T. Edmonds, Sunflower, Kans., assignors to Phillips Petroleum Company. Production of drying oils. 2,581,413, Jan. 8.

Hilt, Carl, Detroit, and J. E. Butterworth, Berkley, Mich. Trammel attachment for tape measures. 2,581,858, Jan. 8.

Hipple, James L., Chicago, Ill., assignor to International Harvester Company, Agricultural implement. 2,581,533, Jan. 8.

Histed, George E.: *See*—
Frank, Bernard E., Armstrong, and Histed.

Hlavaty, Rudolf F., assignee: *See*—
Truhlar, John, and Pantsios.

Hochberg, Seymore, Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dispersing pigments in film-forming materials. 2,581,414, Jan. 8.

Hodges, Gordon F., assignor to Ferguson Radio Corporation Limited, London, England. Suction cleaner with carpet beater and brush. 2,581,794, Jan. 8.

Hoe, R., & Co., Inc., assignee: *See*—
Harless, Charles A.

Hoffman, William J., Babylon, N. Y. Hydraulic dimpling unit. 2,581,659, Jan. 8.

Hoffmann-La Roche Inc., assignee: *See*—
Vogler, Karl.

Hollander, William L.: *See*—
Hubbard, David C., and Hollander.

Holmes, Raymond S., Alton, assignor to Olin Industries, Inc., East Alton, Ill. Ammunition. 2,582,124, Jan. 8.

Holmes, Raymond S., Alton, assignor to Olin Industries, Inc., East Alton, Ill. Ammunition. 2,582,125, Jan. 8.

Holst, Hans E. E., Lidingo, assignor to Hyresgasternas Sparkasse-och Byggnadeforeningars Riksforbund u. p. a., Stockholm, Sweden. Dismountable case. 2,582,126, Jan. 8.

Hoover Company, The, assignee: *See*—
Gerber, Dale C.
Kingston, Frederick S.
Smellie, Donald G.
Snyder, Eugene L.

Hort, Alfred J., Great Neck, N. Y. Necktie rack. 2,582,127, Jan. 8.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Actuator for convertible vehicle tops. 2,581,660, Jan. 8.

Hovey, C. E., trustee, assignee: *See*—
Baldwin, Curtis C.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container filling and material settling machine. 2,581,795, Jan. 8.

Hoye, James B., assignor to Veeder-Root Incorporated, Hartford, Conn. Predetermining counter with resetting controlled switch closing means. 2,581,859, Jan. 8.

Hubbard, David C., and W. L. Hollander, assignors to A. B. Chance Company, Centralia, Mo. Fused drop-out cutouts. 2,581,954, Jan. 8.

Hull, Henry E., Worthington, assignor, by mesne assignments, to Ohlen-Bishop Manufacturing Company, Columbus, Ohio. Saw-setting machine. 2,581,415, Jan. 8.

Hume, Horace D. Mendota, Ill. Cutting and harvesting vine and bush crops. 2,581,661, Jan. 8.

Humphrey, Robert P., assignor to General Gas Light Company, Kalamazoo, Mich. Safety gas pilot with draft guard. 2,581,590, Jan. 8.

Hungerford, William M., Manhattan, Kans. Marking instrument. 2,581,534, Jan. 8.

Hunter, Myrtle M., assignee: *See*—
Hunter, Noble A.

Hunter, Noble A., assignor of fifty per cent to M. M. Hunter, Capac, Mich. Apparatus for molding printing base material. 2,581,860, Jan. 8.

Hunter, William B., Wellesley, assignor to The Comtor Company, Waltham, Mass. Dial mounting for micrometer calipers. 2,581,955, Jan. 8.

Huntington, Samuel S., Idaho Springs, Colo, Ski lift. 2,582,201, Jan. 8.

Hurwitz, Melvin D., assignor ot Rohm & Haas Company, Philadelphia, Pa. Aldimines. 2,582,128, Jan. 8.

Hutchinson, Archibald D. L., Seattle, Wash. Dump truck. 2,581,662, Jan. 8.

Hyde, James B., Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Coating composition containing polyethylene and wax and paper coated therewith. 2,582,037, Jan. 8.

Hyresgasternas Sparkasse-och Byggnadeforeningars Riksforbund u. p. a., assignee: *See*—
Holst, Hans E. E.

Independent Lock Company, assignee: *See*—
Currier, Arthur L.

Industrial Ideas, Inc., assignee: *See*—
Galliano, John B., and Grigg.

Ingersoll, Roy C., Winnetka, assignor to Borg-Warner Corporation, Chicago, Ill. Blank holder cushion. 2,581,663, Jan. 8.

Ingre, Rudolf W.: *See*—
Jörgensen, Anders O., and Ingre.

Insl-X Corporation, assignee: *See*—
Hecht, Maynard L., and Sanford.

Interchemical Corporation, assignee: *See*—
Lee, Ernest D., and Schefbauer.
Radi, Lino J.

Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Feldman, Julian, and Orchin.
Golumbic, Calvin, and Orchin.

International Electronics Company, The, assignee: *See*—
Roberts, Bruce.

International Harvester Company, assignee: *See*—
Harstick, William H.
Hipple, James L.
Kolzing, Heinz.

International Hormones, Inc., assignee: *See*—
Fleischhacker, Desider, and Barsel.

International Standard Elcetric Corporation, assignee: *See*—
Bailey, Robert S.
Gohorel, Fernand P., and Penet.
Heaton-Armstrong, Louis J.
Reeves, Alec H.
Theillaumas, Clement M.
Vangeen, Abraham I.
Wright, Esmond P. G., and den Hertog.

Irby, James W., Dayton, and W. Johannesburg, Cleveland Heights, Ohio, assignors to the United States of America as represented by the Secretary of War. Spring shock and vibration isolator. 2,581,416, Jan. 8.

Ireland, Murray, assignee: *See*—
Hendrickson, Fritz E.

Iron Fireman Manufacturing Company, assignee: *See*—
Cunningham, Lewis L., and Judson.

Jack & Heintz Precision Industries, Inc., assignee: *See*—
Neff, Joseph J.

Jackson, Clifford C.: *See*—
Smith, Herman W., and Jackson.

Jackson, Henry F., Headland, Ala. Hole digging attachment for tractors. 2,581,535, Jan. 8.

Jacob, Carlyle W., Lynn, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electrical breakdown device. 2,582,202, Jan. 8.

Jacoby, Arthur L., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Prevention of corrosion in aqueous systems. 2,582,129, Jan. 8.

Jameson, Morton B., assignor to Waldorf Paper Products Company, St. Paul, Minn. Container. 2,581,664, Jan. 8.

Jamieson, Robert A., Renfrew, Ontario, Canada. Hay-shocking apparatus. 2,581,486, Jan. 8.

Jansen, Willem J. B., Haarlem, Netherlands. Temperature measuring device. 2,581,796, Jan. 8.

Jarmann, Herman, Schodack Landing, N. Y. Electromagnetic operating mechanism for typewriters. 2,581,665, Jan. 8.

Jenny, Dietrich A., Princeton, N. J., assignor to Radio Corporation of America. Color television reproduction tube. 2,581,487, Jan. 8.

Jewell, William R., Erie, Pa., assignor to General Electric Company. Drip tray guide wire and stop arrangement. 2,582,038, Jan. 8.

Johannesburg, Wilber: *See*—
Irby, James W., and Johannesburg.

Johns-Manville Corporation, assignee: *See*—
Miles, William S.

Johns, Stanley S., Baltimore, Md., assignor to Rheem Manufacturing Company, Richmond, Calif. Self-sealing test plug. 2,581,536, Jan. 8.

Johnson, Arthur H., assignor to Hawley Products Company, St. Charles, Ill. Acoustic diaphragm. 2,582,130, Jan. 8.

Johnson, Carl A. P., North Quincy, and A. T. Morrison, South Braintree, assignors to S. H. Couch Company, Inc., North Quincy, Mass. Electrical apparatus. 2,581,861, Jan. 8.

Johnson, Curtis W., Minneapolis, Minn. Parallel panes. 2,581,666, Jan. 8.

Johnson, John S., Verona, and E. L. Schulman, Wilkinsburg, Pa., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Insulation. 2,581,862, Jan. 8.

Johnson & Sons' Smelting Works Limited, assignee: *See*—
Critchley, Thomas.

Jones, Addis T., Bainbridge, Md. Automatic tuning device for radio broadcasting receivers. 2,582,039, Jan. 8.

Jones, Frederick M., assignor to The U. S. Thermo Control Co., Minneapolis, Minn. Refrigeration control device. 2,581,956, Jan. 8.

Jones, Norman B., assignor to The Toledo Plate & Window Glass Company, Toledo, Ohio. Automatic apparatus for silvering mirrors. 2,581,957, Jan. 8.

Jones, Samuel F.: *See*—
Freel, William G., and Jones.

Jones, Wendell C., Woodstock, N. Y. Luggage carrier having projectable and retractible supporting rollers. 2,581,417, Jan. 8.

Jonker, Johan L. H., and G. Diemer, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube. 2,582,203, Jan. 8.

Jordan, Harry F., assignee: *See*—
Jordan, John F.

Jordan, John F., assignor of twenty-four per cent to L. S. Jordan, and twenty-four per cent to H. F. Jordan, Brownsville, Pa. Folding vehicle door construction. 2,581,797, Jan. 8.

Jordan, Louis S., assignee: *See*—
Jordan, John F.

Jörgensen, Anders O., Traneberg, and R. W. Ingre, Hagersten, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Spring set for electromagnetic relays and similar connecting apparatus. 2,582,131, Jan. 8.

Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Extension beam drafting instrument. 2,581,538, Jan. 8.

Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Mining apparatus. 2,581,667, Jan. 8.

Joy Manufacturing Company, assignee: *See*—
Joy, Joseph F.
Maxson, Louis A.
Osgood, Robert C.
Simmons, Leon E.

Joyce, Inc., assignee: *See*—
Ford, George C.

Judson, Albert L.: *See*—
Cunningham, Lewis L., and Judson.

Kadenacy, Michel, deceased, Summit, N. J.; N. K. Guercken, executrix. Turbo-supercharged internal-combustion engine having implosive inlet and explosive exhaust. 2,581,668, Jan. 8.

Kadenacy, Michel, deceased, Summit, N. J.; N. K. Guercken, executrix. Gas turbine power plant with tank supplied by long conduit having volume over six times that of the intermittent combustion gas generator. 2,581,669, Jan. 8.

Kahn, Milton, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electrodepositing uranium dioxide. 2,581,863, Jan. 8.

Kallmann, Heinz E., New York, N. Y. Producing electric currents with cyclic wave form. 2,581,798, Jan. 8.

Kammritz, Arthur E., East Hartford, Conn. Installing propeller shaft struts. 2,582,040, Jan. 8.

Kaphan, Ludwig, New York, N. Y. Decorated flexible fabric and making the same. 2,582,132, Jan. 8.

Kaplan, Max, Bronx, N. Y. Safety razor. 2,582,041, Jan. 8.

Karlsson, Per H., Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Gas cleaning. 2,582,133, Jan. 8.

Kartridg-Pak Machine Co., assignee: *See*—
Sloan, Edward C.

Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Regeneration of fluidized catalyst. 2,581,670, Jan. 8.

Katter, Lincoln F., Minneapolis, Minn. Rod holder. 2,581,671, Jan. 8.

Kaufman, Robert M., assignee: *See*—
Tarter, Christopher C., and Licht.

Kaufmann, Alfred M., Jr., Newark, N. J. Arch support. 2,581,864, Jan. 8.

Keim, Simeon, Galt, assignor to Preco Incorporated, Los Angeles, Calif. Land leveler. 2,581,672, Jan. 8.

Keiser, Bernhard: *See*—
De Groote, Melvin, and Keiser.

Keith-Peabody, Inc., assignee: *See*—
Keith, William J.

Keith, William J., assignor to Keith-Peabody, Inc., Brookline, Mass. Closure cap. 2,581,539, Jan. 8.

Keller, H. V., Manufacturing Co., assignee: *See*—
Tonn, Christ, and Pine.

Kellogg, M. W., Company, The, assignee: *See*—
Solomon, Ernest.

Keltner, Barbara L.: *See*—
Keltner, Robert N. and B. L.

Keltner, Robert N. and B. L., Phoenix, Ariz. Retractable step assembly. 2,581,488, Jan. 8.

Kemptner, Frank, assignee: *See*—
Pica, Daniel.

Kennedy, Frank J., Dormont, assignor to National Electric Products Corporation, Pittsburgh, Pa. Continuous method of making butt weld tubing. 2,581,673, Jan. 8.

Kennedy, Harvey T., Oakmont, Pa., and W. F. Rogers, Houston, Tex., assignors to Gulf Research & Development Company, Pittsburgh, Pa. Reducing corrosion in wells. 2,581,540, Jan. 8.

Kenyon Instrument Company, Inc., assignee: *See*—
Tuttle, Clifton M., and Stafford.

Kenyon, William O.: *See*—
Reynolds, Delbert D., and Kenyon.

Kershaw, Norman, and H. Ryder, Leeds Yorkshire, England. Sectional cover for protecting the focusing mechanism of binoculars. 2,581,865, Jan. 8.

Kershaw, Stanley C., Saylesville, R. I., assignor to The Clark Thread Company, Inc., Newark, N. J. Thread-advancing reel. 2,581,866, Jan. 8.

Kiene, Dorothy S., assignee: *See*—
Kiene, William J.

Kiene, William J., assignor to D. S. Kiene, Park Ridge, Ill. Valve. 2,582,042, Jan. 8.

Kilgore, George R.: *See*—
Shulman, Carl I., and Kilgore.

Kilham, Charles O., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for making casts. 2,581,489, Jan. 8.

Kimmell, Garman O., and H. L. Chenault, Oklahoma City, Okla., assignors to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Indirect heater for fluids. 2,582,134, Jan. 8.

King, Earle M., assignor to Gabilan Iron and Machine Co., Salinas, Calif. Liquid dispensing roller. 2,581,674, Jan. 8.

Kingston, Frederick S., North Plainfield, N. J., assignor to The Hoover Company, North Canton, Ohio. Anti-friction bearing. 2,581,958, Jan. 8.

Kinzinger, Siegfried M., Pottstown, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Non-discoloring stabilized vinyl chloride resin compositions. 2,581,908, Jan. 8.

Kitchen, Leland J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Formation of terpene aryl ethers. 2,581,916, Jan. 8.

Kitchen, Leland J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Isobornyl aryl ethers. 2,581,917, Jan. 8.

Kleis, Derk, and M. van Tol, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Image transmission system. 2,582,135, Jan. 8.

Kline, John E.: *See*—
Peden, Douglas T., and Kline.

Knops, Edwin C., Berkeley, Calif. Reading stand. 2,581,541, Jan. 8.

Koblas, John S., Minneapolis, Minn. Snowplow. 2,582,136, Jan. 8.

Koehler, Adolph F., Riverdale, N. Y. Fluorescent lamp. 2,581,959, Jan. 8.

Kohl, George C., University Heights, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Machine for casting hollow articles. 2,581,418, Jan. 8.

Kolzing, Heinz, Shelbyville, Ill., assignor to International Harvester Company. Rotary baler. 2,581,542, Jan. 8.

Koppe, Alexander T., Chicago, Ill. Precision camera. 2,581,591, Jan. 8.

Koppers Company, Inc., assignee: *See*—
Anderson, John R.
Harlow, Earl V.

Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Tetraalkyl monothiopyrophosphate as an insecticide. 2,582,204, Jan. 8.

Kraft Foods Company, assignee: *See*—
Linstedt, William F.

Krahulec, Fred, Skokie, assignor to A. C. Nielsen Company, Chicago, Ill. Stylus for graphic recording. 2,582,043, Jan. 8.

Kramer, Stephen, Greenville, Calif. Logging tongs. 2,581,799, Jan. 8.

Krohnert, Paul, West Hill, Ontario, Canada. Refrigerated milk delivery vehicle. 2,581,867, Jan. 8.

Kronenwetter, Harold P., South Park, Emporium, Pa., assignor to Sylvania Electric Products Inc. Automatic grid cutting machine. 2,581,960, Jan. 8.

Krueger, Max E., assignee: *See*—
Brumbaugh, Harold C.

Krueger, Richard H.: *See*—
Goldman, Sydney B., and Krueger.

Kubaugh, Le Roy M., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Abrading roll. 2,581,934, Jan. 8.

Kuhn, Leroy B., Pottstown, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber to metal adhesive comprising dichlorobutadiene resin and a chlorinated elastomer and use thereof. 2,581,920, Jan. 8.

Kunz, Earl H.: *See*—
Yackley, Edward G., Young, and Kunz.

Kurkjian, Yervant H., Clifton, N. J. Automatic indicating means for photographic film holders. 2,582,044, Jan. 8.

Kux, Albert S., assignor to Kux Machine Co., Chicago, Ill. Automatically transferring and metering charges of molten metal. 2,582,137, Jan. 8.

Kux Machine Co., assignee: *See*—
Kux, Albert S.

Kyrides, Lucas P., assignor to Monsanto Chemical Company, St. Louis, Mo. N-(2-thenyl)-substituted ethylene diamines. 2,581,868, Jan. 8.

Kyrides, Lucas P., assignor to Monsanto Chemical Company, St. Louis, Mo. N-(5-halo-2-thenyl) substituted ethylenediamines. 2,581,869, Jan. 8.

Kysor Heater Company, assignee: *See*—
Ferris, David R.

La Cellulose Du Pin, assignee: *See*—
Michon, Jacques B. M.

Laclede-Christy Company, assignee: *See*—
Weber, Herman W.

Lafferty, James M., Schenectady, N. Y., assignor to General Electric Company. Tunable velocity modulated electron discharge device. 2,582,045, Jan. 8.

Lake, Ross A., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Signal comparing apparatus. 2,581,961, Jan. 8.

Lampe, Robert C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Suction cleaner with means for automatically removing the dust container. 2,582,046, Jan. 8.

Lane, George M., Greensboro, N. C. Garment hanger clamping mechanism. 2,581,800, Jan. 8.

Lane, James A.: *See*—
Pyle, Cyrus and Lane.

Lane, Russell W., Riverside, and W. H. Thompson, Downers Grove, assignors to National Aluminate Corporation, Chicago, Ill. Corrosion inhibiting composition for steam systems. 2,582,138, Jan. 8.

Langille, Wilfred O., Chester, H. A. Shumaker, Somerville, and E. P. Turner, Fanwood, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner with rotary floating dust brush supported solely from the mid-point. 2,581,962, Jan. 8.

Langloys, Rémy J. M. C., Saint-Cloud, assignor of one-half to Society "Etablissements Herburger," Paris, France. Reed for electrical musical instruments. 2,581,963, Jan. 8.

Lapik, John V., New York, N. Y. Oil filter. 2,581,337, Jan. 8.

La Roza, Edward W., Mamaroneck, N. Y. Safety switch assembly. 2,581,338, Jan. 8.

Larsen, Fridthiof O. V., Gentofte, Denmark, assignor to Aktiebolaget Duba, Stockholm, Sweden. Total transfer mechanism. 2,581,870, Jan. 8.

Larsen, Grayland T., Wyandotte, assignor to General Motors Corporation, Detroit, Mich. Electrolytic process of stripping metallic coatings from a ferrous metal base. 2,581,490, Jan. 8.

Larson, Carl A.: *See*—
Dudley, Raymond H., and Larson.

Larsson, George E., assignor to Olin Industries, Inc., New Haven, Conn. Single-trigger mechanism. 2,581,339, Jan. 8.

La Salle Steel Company, assignee: *See*—
See, Theodore S.

Lee, Ernest D., Sparta, and R. J. Schefbauer, Jr., Hasbrouck Heights, N. J., assignors to Interchemical Corporation, New York, N. Y. Resinous products of the reaction of styrene with resins derived from bituminous coals of Utah. 2,582,139, Jan. 8.

Lee, Frank H., Company, The, assignee: *See*—
Tucker, Harold H., and Trimpert.

Lee, Henry H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Combination isoparaffin-olefin and aromatic-olefin alkylation process. 2,582,047, Jan. 8.

Leek, Wayne E., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Shooting rest. 2,582,140, Jan. 8.

Le Febure Corporation, assignee: *See*—
Nabholz, Orvie E.

Lefebvre, Henry R., Sunland, Calif. Garment checking bag. 2,581,675, Jan. 8.

Legg, David A., and S. C. Beesch, assignors to Publicker Industries, Inc., Philadelphia, Pa. Producing riboflavin. 2,581,419, Jan. 8.

Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,581,543, Jan. 8.

Leibing, William E., Los Angeles, Calif. Metering fuel pump. 2,581,764, Jan. 8.

Lesner, Roy H.: *See*—
Mioduski, Joseph W., and Lesner.

Letvin, Samuel: *See*—
Bonvillian, Claude A., Brierly, and Letvin.

Lewis-Shepard Company, assignee: *See*—
Gilman, Wilbert M.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Colbert, William H., Weinrich, and Morgan.

Licht, Hyman S.: *See*—
Tarter, Christopher C., and Licht.

Lienart, Marcel, Brussels, Belgium, assignor to St. Regis Paper Company, New York, N. Y. Multiply bag tubing machine. 2,581,801, Jan. 8.

Lilly, Ell, and Company, assignee: *See*—
Bray, Malcolm D.

Lindstrom, Gust E., assignee: *See*—
Cedarleaf, Gordon R.

Line, John H., Riverdale, Ill. Spectacle lens layout device. 2,582,048, Jan. 8.

Link-Belt Company, assignee: *See*—
Erisman, John L.

Link, Herbert W., assignee: *See*—
Weber, Milton N.

Linstedt, William F., Freeport, Ill., assignor to Kraft Foods Company. Apparatus for setting up boxes. 2,581,491, Jan. 8.

Lister, Fred: *See*—
Zellner, Carl N., and Lister.

Loaney, William T., Minneapolis, Minn. Boat mooring apparatus. 2,581,676, Jan. 8.

Locke, Burton H., Framingham, Mass. Bobby pin tray. 2,581,592, Jan. 8.

Loecy, Joseph, Jr., Euclid, Ohio. Diamond tool assembly. 2,581,544, Jan. 8.

Lohr, James M., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Alloys. 2,581,420, Jan. 8.

Lombard, Nathaniel A., Glendale, and T. L. Taggart, Beverly Hills, said Lombard assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Method and apparatus for making structural elements. 2,581,421, Jan. 8.

Long, Weldon H., Muskegon, Mich. Aquatic amusement device. 2,581,545, Jan. 8.

Longacre, Andrew, Exeter, N. H., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Compound protective device for radio detection system. 2,582,205, Jan. 8.

Lowe, Henry E., and H. Cazier, Clearwater, Fla., said Cazier assignor to said Lowe. Educational and amusement device. 2,581,492, Jan. 8.

Lowell, Stephen E.: *See*—
Saxton, Stanley L., and Lowell.

Luhdorff, Frederick H.: *See*—
De Back, William, and Luhdorff.

Luse, Melvin J., Moville, Iowa. Poult feed saver. 2,581,422, Jan. 8.

Lustig, Peter A., assignor to Star Products Company, Detroit, Mich. Spring sash balance. 2,581,423, Jan. 8.

Luttenauer, Carlos, Mulhouse, France. Device for mounting engraved cylinders in machines for printing cloth and the like. 2,581,593, Jan. 8.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,581,424, Jan. 8.

Lyon, George A., Detroit, Mich. Wheel structure. 2,581,425, Jan. 8.

Lyon, Joseph P., Jr., and A. A. Harban, Phillips, Tex., assignors to Phillips Petroleum Company. Purification of mercaptans. 2,581,493, Jan. 8.

Lyons, Allan J., Glendale, Calif. Headrest. 2,581,802, Jan. 8.

M-O Valve Company, Limited, The, assignee: *See*—
Willshaw, William E.

Maas, Edmund W., Forest Park, Ill. Child's pull cart. 2,582,143, Jan. 8.

Macaulay, Malcolm: *See*—
Standing, Marshall B., Yaplee, and Macaulay.

Machlis, Samuel, New Rochelle, N. Y., and E. B. Michaels, assignors to The Stamford Chemical Company, Stamford, Conn. Phosphate detergent composition in homogeneous liquid form. 2,581,677, Jan. 8.

MacSorley, Olin L., Collingswood, N. J., assignor to Radio Corporation of America. Wide-rang high stability frequency generating system. 2,581,594, Jan. 8.

Madsen, Anna K. C. A. B.: *See*—
Madsen, Valdemar B. and A. K. C. A. B.

Madsen, Valdemar B. and A. K. C. A. B., Holte, Denmark. Signal lantern. 2,581,803, Jan. 8.

Maeder, Henry G., Jr.: *See*—
Chase, Fred L., Jr., Maeder.

Magis, Auguste A. G., Paris, France. Acetylene generator. 2,581,871, Jan. 8.

Malsch, Oliver, Chicago, Ill., assignor to Rheem Manufacturing Company, Richmond, Calif. Self-sealing test plug. 2,581,537, Jan. 8.

Malin, Ralph D., and A. C. Stockdale, Lansing, Mich., assignors to Food Machinery and Chemical Corporation. Wheeled spraying device. 2,581,678, Jan. 8.

Malm, Carl J., and C. L. Crane, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose triacetate. 2,582,049, Jan. 8.

Mann, Ernö, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, as trustee. Tubular electric discharge lamp unit. 2,581,546, Jan. 8.

Mann, Theodore G.: *See*—
Mann, Theodore H. and T. G.

Mann, Theodore H. and T. G., Los Angeles, assignors to Sound Engineering, Hollywood, Calif. Magnetic sound record. 2,581,765, Jan. 8.

Manson, Magnus W., Johannesburg, Transvaal, Union of South Africa. Attaching parts to wooden poles. 2,582,050, Jan. 8.

Marlow Pumps, Incorporated, assignee: *See*—
Moore, Charles R.

Marmont, George H., Chicago, Ill., assignor to Bendix Aviation Corporation, Detroit, Mich. Sonic tube. 2,582,141, Jan. 8.

Marshall, Manuel A., Escalon, Calif. Device for the relief of bloat in cattle. 2,581,679, Jan. 8.

Martenot, Maurice, Neuilly-sur-Seine, France. Movable tape condenser for electronic generators. 2,581,680, Jan. 8.

Martin, Fred P., Topeka, Kans. Fluid power steering gear for swinging axles. 2,582,142, Jan. 8.

Martin, Glenn L., Company, The, assignee: *See*—
Raab, Regis.
Rakowski, Paul B., Jr.

Martin, Paul N.: *See*—
O'Hagan, Bernard E., and Martin.

Martin, Wayne M.: *See*—
Feldman, Jack E., and Martin.

Martini, Florian K., Los Angeles, Calif. Rotary storage receptacle for disk-like objects. 2,581,547, Jan. 8.

Marx, Graham E., assignor to The G. A. Gray Company, Cincinnati, Ohio. Machine tool drive. 2,581,804, Jan. 8.

Mason, Fred H.: *See*—
Deist, Herbert H., and Mason.

Mason, Frederick P., assignor to Creed and Company Limited, Croydon, England. Arrangement for receiving telegraph impulses. 2,581,426, Jan. 8.

Matthews, Joseph N., Lakewood, Ohio. Liquid level gauge for ballast tanks. 2,581,427, Jan. 8.

Maxson, Louis A., Claremont, N. H., assignor to Joy Manufacturing Company. Feeding device. 2,581,805, Jan. 8.

May, Sam, assignor of one-half to R. T. Moloney, Chicago, Ill. Coin control. 2,581,681, Jan. 8.

Mayer, Waldemar F., assignor to The Garrett Corporation, Airesearch Manufacturing Company Division, Los Angeles, Calif. Cooling system for air supplied to compartments of aircraft. 2,581,964, Jan. 8.

Maytag Company, The, assignee: *See*—
Smith, Thomas R.

McCarthy, Thomas O., Pawling, N. Y. Compass correction system. 2,581,428, Jan. 8.

McCarthy, Thomas O., Pawling, N. Y. Motion transmission system. 2,581,436, Jan. 8.

McCloskey, Thomas P., Jr., Charleston, Mo. Mowing machine. 2,582,051, Jan. 8.

McConnell, Edward R., Syracuse, N. Y. Guide device for portable power saws. 2,581,766, Jan. 8.

McCormick, Elmer L., Dunns Station, Pa. Wedge sawing machine. 2,581,682, Jan. 8.

McDaniel, George R., Cincinnati, assignor to Diamond Alkali Company, Cleveland, Ohio. Making sodium silicate compositions. 2,582,206, Jan. 8.

McDuffie, Archie D.: *See*—
Fischer, Albert W., and McDuffie.

McEwan, James, San Jose, Calif. Variable-speed drive. 2,581,683, Jan. 8.

McFarlane, John, Bangor, Northern Ireland. Mechanism for automatically positioning a member in a series of predetermined positions. 2,581,548, Jan. 8.

McGaugh, Calvin C., Dallas, Tex. Reflecting signal glove. 2,581,549, Jan. 8.

McIntire, Otis R.: *See*—
Costa, John E., and McIntire.

McKenzie, Herbert W., Temple City, assignor to Western Sales Agency Corporation, Arcadia, Calif. Desiccator. 2,581,684, Jan. 8.

McMillan, Wallace A., Glenham, assignor to The Texas Company, New York, N. Y. Impregnation of absorbent material. 2,581,685, Jan. 8.

McRoskey, Edward L., San Francisco, Calif. Spring construction. 2,581,686, Jan. 8.

McShirley, Robert C., Glendale, Calif. Power supply means for percussor apparatus. 2,581,806, Jan. 8.

McWhorter, Henry L., assignor to The Goss Printing Press Company, Chicago, Ill. Ink roller vibrator. 2,581,687, Jan. 8.

Meier, Johann: *See*—
Mettler, Erhard K., and Meier.

Mennesson, Marcel L., assignor to Societe Solex, Neuilly-sur-Seine, France. Speed limiting device. 2,582,052, Jan. 8.

Merlin, Alfred G., Cleveland, Ohio. Shoe spike. 2,582,053, Jan. 8.

Messier, Rudolph J., Providence, R. I. Loom shuttle. 2,581,494, Jan. 8.

Mettler, Erhard K., Zollikon (Zurich), and J. Meier, Kusnacht (Zurich), Switzerland. Analytical balance. 2,581,807, Jan. 8.

Meyer, Franklin, Jr., Philadelphia, Pa. Fluid pressure regulator and valve structure thereof. 2,581,429, Jan. 8.

Meyer, Hans: *See*—
Thommen, Hans, and Meyer.

Michaels, Edwin B.: *See*—
Machlis, Samuel, and Michaels.

Michie, James T.: *See*—
Harmon, Robert R., and Michie.

Michon, Jacques B. M., assignor to La Cellulose Du Pin, Paris, France. Pulping process. 2,582,054, Jan. 8.

Micromatic Hone Corporation, assignee: *See*—
Peden, Douglas T., and Kline.

Miles, William S., Hastings on Hudson, assignor to Johns-Manville Corporation, New York, N. Y. Wall assembly. 2,582,144, Jan. 8.

Mileski, William J., Norwich, Conn. Manufacture of leakproof inner tubes. 2,581,767, Jan. 8.

Miller, Hubert E., assignor to R. M. Carey and L. W. Schmucker, Wichita, Kans. Vehicle lifting strut. 2,581,688, Jan. 8.

Miller, John C., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Rate gyroscope. 2,581,965, Jan. 8.

Milprint, Inc., assignee: *See*—
Rosenfeld, Harry.

Miner, Milton A.: *See*—
Harpoothian, Edward, and Miner.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Haseltine, Stacy B.
Lehman, Edward H.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Donna, Joseph D.
Gaddis, Gene T.
Miller, John C.
Riche, Arthur L.

Minsk, Louis M., and E. W. Taylor, assignors to Eastman Kodak Company, Rochester, N. Y. Improved method for polymerizing vinyl acetate in tertiary butyl alcohol. 2,582,055, Jan. 8.

Mioduski, Joseph W., and R. H. Lesner, Chicago, Ill. Educational apparatus. 2,581,595, Jan. 8.

Misfeldt, Charles C., Chicago, Ill. Extrusion molding machine. 2,581,550, Jan. 8.

Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Tuner. 2,581,966, Jan. 8.

Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Simplified chassis for electronic equipment. 2,581,967, Jan. 8.

Mitchell, Len B., Wheaton, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Party line identification dial. 2,581,689, Jan. 8.

Moehle, Walter, and Walter Moehle, Jr., Morristown, N. J. Locking thread structure. 2,581,690, Jan. 8.

Moehle, Walter, Jr.: *See*—
Moehle, Walter and Walter, Jr.

Moloney, Raymond T., assignee: *See*—
May, Sam.

Monaghan, J. J., Company, Inc., assignee: *See*—
Wilm, Carl C.

Monsanto Chemical Company, assignee: *See*—
Hartzog, Buford H.
Kosolapoff, Gennady M.
Kyrides, Lucas P.

Montgomery Ward and Company, Inc., assignee: *See*—
Anderson, Louis A., and Slattery.

Moomaw, Lewis H., Great Neck, N. Y., and H. Bernzott, Niles, assignors to Bell & Howell Company, Chicago, Ill. Photographic camera. 2,581,691, Jan. 8.

Moore, Charles R., Millburn, assignor to Marlow Pumps, Incorporated, Ridgewood, N. J. Transmission dynamometer. 2,582,145, Jan. 8.

Moore, Charles R., Millburn, assignor to Marlow Pumps, Incorporated, Ridgewood, N. J. Apparatus for measuring water power. 2,582,146, Jan. 8.

Moore Fabric Company, assignee: *See*—
Schiappa, Anthony.

Moran, Harold J., assignor to Switlik Parachute Company, Inc., Trenton, N. J. Parachute. 2,581,808, Jan. 8.

Morgan, Willard L.: *See*—
Colbert, William H., Weinrich, and Morgan.

Morgenstern, Morris: *See*—
Stitz, Harry, and Morgenstern.

Morin, Louis H.: *See*—
Gries, Otto, and Morin.

Mork, George W., and G. Reuter, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Fluid pressure control valve and associated parts. 2,581,430, Jan 8.

Morrison, Archie T.: *See*—
Johnson, Carl A. P., and Morrison.

Morrison, William E., assignor to The Torrington Manufacturing Co., Torrington, Conn. Propeller fan blade retaining construction. 2,581,872, Jan. 8.

Morrison, William E., assignor to The Torrington Manufacturing Co., Torrington, Conn. Fan blade and its formation. 2,581,873, Jan. 8.

Morton, Evans T., and C. L. Geever, assignors to Admiral Corporation, Chicago, Ill. Fastening device. 2,581,692, Jan. 8.

Motorola, Inc., assignee: *See*—
Mitchell, Donald H.
Race, William J.

Moule, Rex E., Holden, assignor to Norton Company, Worcester, Mass. Stripper mechanism for encapsulating machines. 2,581,874, Jan. 8.

Mount, George W., Greenfield, Mass. Pliers for bending connecting clips about wire members. 2,582,056, Jan. 8.

Mourer, Kermit L., and L. E. Harris, assignors to Norden Laboratories, Lincoln, Nebr. Sulfonamide composition. 2,582,147, Jan. 8.

Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Roller chain. 2,582,057, Jan. 8.

Mulock-Bentley, Desmond: *See*—
Bradford, George, Mulock-Bentley, and Auret.

Mumma, Harold J., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Quick-change sizer counter switch mounting. 2,581,693, Jan. 8.

Murray, Alan E., New York, N. Y. Roller skating suspension skates. 2,581,809, Jan. 8.

Myers, Harold C.: *See*—
Biles, John L., Myers, Petry, and Cowell.

Myrmirides, George M., Brooklyn, N. Y. Powering vehicles. 2,581,551, Jan. 8.

Nabholz, Orvie E., Shellsburg, assignor to Le Febure Corporation, Cedar Rapids, Iowa. Tray binder. 2,582,058, Jan. 8.

Nash Engineering Company, assignee: *See*—
Adams, Harold E.

National Aluminate Corporation, assignee: *See*—
Braithwaite, David G.
Braithwaite, David G., and D'Amico.
Jacoby, Arthur L.
Lane, Russell, W., and Thompson.

National Broach and Machine Company, assignee: *See*—
Praeg, Walter S.

National Distillers Products Corporation, assignee: *See*—
Earhart, Kenneth A., and Davis.
Forman, Sylvan E.

National Electric Products Corporation, assignee: *See*—
Kennedy, Frank J.

National Organ Supply Company, assignee: *See*—
Roehrl, Bruno C.

National Plastic Products Company, The, assignee: *See*—
Genovese, Anthony L.

National Slug Rejectors, Inc., assignee: *See*—
Wallin, Fred E.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Corson, Dale R., and Pree.
Jacob, Carlyle W.
Longacre, Andrew.
Sherwin, Chalmers W.

Nebel, Kurt W., Chicago, Ill. Metal piercing and cutting shears. 2,581,694, Jan. 8.

Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Tubular rail member. 2,582,059, Jan. 8.

Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electronic bore gauge. 2,581,495, Jan. 8.

Nelly, Henry M., Jr., Houston, Tex., assignor to J. F. Pritchard & Co., Kansas City, Mo. Recovering desirable liquefiable hydrocarbons. 2,582,148, Jan. 8.

Nelsen, Robert J., Seattle, Wash. Radiographic apparatus. 2,581,431, Jan. 8.

New Britain Machine Company, The, assignee: *See*—
Pulsifer, Clarence D.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Manifolding paper. 2,582,149, Jan. 8.

Newton, Floyd C., Jr.: *See*—
Crowley, Andrew Y., Jr., and Newton.

Newton, John A., Painesville, assignor to Thompson Products, Inc., Cleveland, Ohio. Valve rotating device. 2,582,060, Jan. 8.

Nichols, Edgar B., Moorestown, N. J. Drum type, rotary, perpetual calendar. 2,581,810, Jan. 8.

Niebuhr, Clayton J., Dearborn, Mich. Doll cradle. 2,582,061, Jan. 8.

Nielsen, A. C., Company, assignee: *See*—
Krabulec, Fred.

Nier, Alfred O. C., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Mass spectrometer apparatus. 2,582,150, Jan. 8.

Nims, Paul T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,581,596, Jan. 8.

Nissim, Raoul, London, England. Reduction of iron ores and the like by carbon. 2,581,597, Jan. 8.

Nolte, Albert C., trustee, assignee: *See*—
Stempel, Laszlo M.

Norden Laboratories, assignee: *See*—
Mourer, Kermit L., and Harris.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Cutter and transfer device for fish canning machines. 2,581,432, Jan. 8.

North, Esther: *See*—
North, John, and E.

North, John, and E., Chicago, Ill. Window shade. 2,581,433, Jan. 8.

North Carolina Magnesium Development Corporation, assignee: *See*—
Hansgirg, Fritz J.

Norton, Clyde J., Braintree, assignor to Sylvania Electric Products Inc., Salem, Mass. Discriminator circuit. 2,581,968, Jan. 8.

Norton Company, assignee: *See*—
Green, Clarence J.
Moule, Rex E.

Nowak, Alois K., Evanston, Ill. Press for metal stamping. 2,581,434, Jan. 8.

Nowak, Alois K., Evanston, Ill. Press with mechanical drive having harmonic motion and hydraulic transmission. 2,581,435, Jan. 8.

Null, Norman V., and H. L. Thompson, Waco, Tex. Seam presser. 2,582,151, Jan. 8.

Nye, Norman H.: *See*—
Rogers, Walter E., and Nye.

O P W Corporation, assignee: *See*—
Duerr, Leonard H.

O'Casey, Thornton E., Honolulu, Territory of Hawaii. Combined can opener and dispenser. 2,581,768, Jan. 8.

Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.), assignee: *See*—
Zakheim, Jacques.

O'Hagan, Bernard E., deceased, late of Swissvale, Pa., by C. O'Hagan, administratrix, and P. N. Martin, Penn Township, Allegheny County, Pa., assignors to Westinghouse Air Brake Company. Railway train describer. 2,581,552, Jan. 8.

O'Hagan, Clare, administratrix: *See*—
O'Hagan, Bernard E., and Martin.

Ohlen-Bishop Manufacturing Company, assignee: *See*—
Hull, Henry E.

Ohmer Corporation, assignee: *See*—
Yackley, Edward G., Young, and Kunz.

Oldham, Ernest, St. Catharines, Ontario, Canada, assignor to General Motors Corporation, Detroit, Mich. Attachment for dressing grinding wheels. 2,581,496, Jan. 8.

Olin Industries, Inc., assignee: *See*—
Holmes, Raymond S.
Larsson, George E.

Ollagnon, Paul, Saint-Etienne, France. Folding device for carriages, applicable in particular to perambulators. 2,582,152, Jan. 8.

Olofsson, Gustav A., and L. N. Chubb, assignors to Olofsson Tool & Die Company, Lansing, Mich. Weighing machine. 2,681,695, Jan. 8.

Olofsson Tool & Die Company, assignee: *See*—
Olofsson, Gustav A., and Chubb.

Olsen, Gene, Corporation, assignee: *See*—
Davis, Robert O.

Olson, Ernest W.: *See*—
Swanson, Carl R., Olson, and Armitage.

Olson, Mark W., Allendale, N. J., assignor to United States Rubber Company, New York, N. Y. Extrusion die. 2,581,769, Jan. 8.

Orchin, Milton: *See*—
Feldman, Julian, and Orchin.
Columbic, Calvin, and Orchin.

O'Reilly, Joseph A., Bellingham, Wash. Combination shirt board and collar protector. 2,581,696, Jan. 8.

Orr, Carroll E., Westfield, assignor to Elevator Supplies Company, Inc., Perth Amboy, N. J. Elevator car switch. 2,581,969, Jan. 8.

Osgood, Robert C., Claremont, N. H., assignor to Joy Manufacturing Company. Material loading apparatus. 2,581,437, Jan. 8.

Österman, Edvin M., assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Balancing mechanism for pressure logs. 2,581,811, Jan. 8.

Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Party line identification dial. 2,581,697, Jan. 8.

Ostrander, Robert F., Woodbridge, Conn. Towing apparatus. 2,582,153, Jan. 8.

Oyston, William R., assignor to The Hewson Manufacturing Company Limited, London, England. Weight per unit length sorting device. 2,581,698, Jan. 8.

Pacific Machinery Company, assignee: *See*—
De Back, William, and Luhdorff.

Page, Carl M., Van Nuys, Calif. Flammable gas detector. 2,581,812, Jan. 8.

Pakman, Marvin H., Trenton, N. J., and A. J. Dellaira, Astoria, N. Y. Tone-improving means for accordions. 2,581,553, Jan. 8.

Palmer, Philip, New York, N. Y. Pry type cap lifter. 2,581,875, Jan. 8.

Palmer, Winslow, West Hempstead, N. Y., assignor to The Sperry Corporation. Navigation computer and piloting system. 2,581,438, Jan. 8.

Pantsios, Athan A.: *See*—
Truhlar, John, and Pantsios.

Papendick, Clarence A., Normandy, Mo. Cutting machine. 2,582,154, Jan. 8.

Parker, Clarence E., assignor to The Coe Manufacturing Company, Painesville, Ohio. Sheet handling apparatus. 2,581,598, Jan. 8.

Parker, Clarence E., assignor to The Coe Manufacturing Company, Painesville, Ohio. Sheet handling apparatus. 2,581,599, Jan. 8.

Parker, William N., Lancaster, Pa., assignor to Radio Corporation of America. Grid structure for electron discharge devices. 2,581,876, Jan. 8.

Partiot, Maurice, New York, N. Y. System for controlling flow of electric currents. 2,581,970, Jan. 8.

Pateras Pescara, Raul, Paris, France, assignor to Societe d'Etudes et de Participations, Eau, Gaz Electricite, Energie, S. A., Geneva, Switzerland. Free piston motor compressor. 2,581,600, Jan. 8.

Patterson, William J., Leeds, England. Pedal propelled driving mechanism for bicycles and the like. 2,581,877, Jan. 8.

Pearce, Owen A., and R. Taylor, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England. Automatic switch. 2,581,699, Jan. 8.

Peden, Douglas T., Ann Arbor, and J. E. Kline, Grosse Pointe Farms, assignors to Micromatic Hone Corporation, Detroit, Mich. Honing tool. 2,581,601, Jan. 8.

Pedersen, Walfred L., Minneapolis, Minn. Match book dispenser. 2,582,155, Jan. 8.

Pegnani, Frank: *See*—
Zugaro, Sam, and Pegnani.

Penet, Gabriel J. M.: *See*—
Gohorel, Fernand P., and Penet.

Penney, Gaylord W., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Isotope separation. 2,581,813, Jan. 8.

Pentland, Alex M., U. S. Navy, Ann Arbor, Mich. Pliers for spark plug electrodes. 2,581,439, Jan. 8.

Perfection Stove Company, assignee: *See*—
Resek, Marc.
Schultz, Wilber A.

Permutit Company, The, assignee: *See*—
Pick, Eric.

Perrault, Lewis, Tulsa, Okla. Pipe line cradle. 2,581,971, Jan. 8.

Peters, Howard, Des Plaines, and E. J. Haedike, Chicago, Ill., assignors, by mesne assignments, to Elastic Stop Nut Corporation of America, Union, N. J. Machine for making spring dowel pins. 2,582,062, Jan. 8.

Peterson, Wilbur P., Independence, Mo. Dispensing apparatus and cartridge therefor. 2,582,156, Jan. 8.

Petrocarbon Limited, assignee: *See*—
Ruhemann, Martin S. W.

Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Keiser.

Petry, Theodor A.: *See*—
Biles, John L., Myers, Petry, and Cowell.

Philco Corporation, assignee: *See*—
Thompson, Milton L.

Phillips, Lester L., Pittsfield, Mass., assignor to General Electric Company. Stop joint for cables. 2,582,064, Jan. 8.

Phillips Petroleum Company, assignee: *See*—
Dutcher, Harris A.
Fryling, Charles F.
Goins, Robert R.
Hillyer, John C., and Edmonds.
Lee, Henry H.
Lyon, Joseph P., Jr., and Harban.

Pica, Daniel, Chicago, Ill., assignor of one-half to F. Kemptner, Silver Lake, Wis. Compressor. 2,582,157, Jan. 8.

Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Valve mechanism for controlling flow through ion exchange apparatus. 2,581,878, Jan. 8.

Pincus, Alexis G., Worcester, assignor to American Optical Company, Southbridge, Mass. Absorbing glasses and making same. 2,581,440, Jan. 8.

Pine, Frank B.: *See*—
Tonn, Christ, and Pine.

Pittinger, Charles B., Baltimore, Md. Antiskid device. 2,581,770, Jan. 8.

Pittsburgh Consolidation Coal Company, assignee: *See*—
Gorin, Everett.

Pittsburgh Plate Glass Company, assignee: *See*—
Duncan, James E., and Smith.

Planet, Felix: *See*—
Guillermet, Paul, and Planet.

Plentl, Albert A., New York, assignor to R. L. Evans, Bay Shore, N. Y. Preparation of glutamyl histidine. 2,581,814, Jan. 8.

Plywood Research Foundation, assignee: *See*—
Hallonquist, Earl G.

Pneumatic Scale Corporation, Limited, assignee: *See*—
Howard, Stanley R.

Podell, Morris, New York, N. Y. Electrical testing device. 2,581,497, Jan. 8.

Porter, James T., La Mesa, Calif. Sprinkling device. 2,582,158, Jan. 8.

Powers, Whitney S., Jr., assignor to Thatcher Glass Manufacturing Company, Inc., Elmira, N. Y. Bottle spinner. 2,581,879, Jan. 8.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Apparatus for finishing gears. 2,581,700, Jan. 8.

Praeg, Walter S., assignor to National Broach and Machine Company, Detroit, Mich. Finishing gears. 2,581,701, Jan. 8.

Preco Incorporated, assignee: *See*—
Kelm, Simeon.

Pree, Walter G.: *See*—
Corson, Dale R., and Pree.

Price, Lawson, Rensselaer, Ind. Automatic rural mailbox signal. 2,581,880, Jan. 8.

Pritchard, J. F., & Co., assignee: *See*—
Nelly, Henry M., Jr.

Productive Inventions, Inc., assignee: *See*—
Smulski, Theodore J.

Products & Licensing Corporation, assignee: *See*—
Toulon, Pierre M. G.

Publicker Industries, Inc., assignee: *See*—
Legg, David A., and Beesch.

Pullman-Standard Car Manufacturing Company, assignee: *See*—
Candlin, James E., Jr.

Pulsifer, Clarence D., Farmington, assignor to The New Britain Machine Company, New Britain, Conn. Tool slide. 2,581,602, Jan. 8.

Pyle, Cyrus, New Castle, Del., and J. A. Lane, Oak Ridge, Tenn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous formaldehyde distillation. 2,581,881, Jan. 8.

Quijada, Louis, Alhambra, Calif. Work turning and threading machine. 2,581,702, Jan. 8.

Raab, Regis, Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Solidified nonexplosive hydrocarbon and producing same. 2,581,441, Jan. 8.

Race, William J., Franklin Park, assignor to Motorola, Inc., Chicago, Ill. Universally adjustable antenna. 2,582,159, Jan. 8.

Radcliffe, Milton R., Winchester, Va., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilized vinyl chloride resin films. 2,581,915, Jan. 8.

Radford, Edward E., San Francisco, Calif. Demountable wheel. 2,581,554, Jan. 8.

Radi, Lino J., Somerville, N. J., assignor to Interchemical Corporation, New York, N. Y. Butadiene-acrylonitrile copolymer composition containing a resin occurring in Utah resin bearing coal. 2,582,160, Jan. 8.

Radio Corporation of America, assignee: *See*—
Herbst, Philip J.
Jenny, Dietrich A.
MacSorley, Olin L.
Parker, William N.
Shulman, Carl I., and Kilgore.
Thompson, Harry C.
Young, Charles J.

Rafter, John R.: *See*—
Carr, Edward L., and Rafter.

Rokowski, Paul B., Jr., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Explosive rivet gun tip assembly. 2,581,815, Jan. 8.

Randall, Cyril E., Bedford, England, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Device for protecting polyphase circuits. 2,581,882, Jan. 8.

Randall, Norman B., trustee, assignee: *See*— Randall, Norman B.

Randall, Norman B., assignor to R. C. Draughon and N. B. Randall, Tacoma, Wash., as trustees. Concrete molding machine. 2,582,161, Jan. 8.

Randall, Ross D.: *See*— Collins, Arthur R., Ryder, and Randall.

Randick, Herman, Chicago, Ill. Brake mechanism for casting reels. 2,581,555, Jan. 8.

Rasor, Orval, Portland, Oreg. Constructing cylindrical containers. 2,582,065, Jan. 8.

Ray, Charles S., Portland, Oreg., and C. W. Wrenn, Vancouver, Wash. Venetian blind. 2,582,162, Jan. 8.

Rayburn, Elwyn M., Sausalito, Calif. Variable-speed transmission. 2,581,498, Jan. 8.

Raytheon Manufacturing Company, assignee: *See*— Spencer, Percy L.

Read, Charles W., assignee: *See*— Darragh, Frank H., Jr.

Rechler, Morton D., assignor to Rexart Metal Industries, Inc., New York, N. Y. Baby bathing stand. 2,581,883, Jan. 8.

Reconstruction Finance Corporation, assignee: *See*— Finken, Walter S., and Frieder.
Frieder, Leonard P., and Finken.

Redding Manufacturing Company, Inc., assignee: *See*— Ryan, Albert O.

Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric pulse generator. 2,581,442, Jan. 8.

Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Speed-varying power transmission assembly. 2,582,067, Jan. 8.

Reeves Pulley Company, assignee: *See*— Reeves, Paul B.

Reid, Robert J.: *See*— Eberly, Kenneth C., and Reid.
Groten, Frank J., and Reid.

Reilly, Lucille G., Van Nuys, Calif. Device for holding strips of material to be stitched. 2,581,703, Jan. 8.

Remington Arms Company, Inc., assignee: *See*— Leek, Wayne E.

Reno, Reno R., Long Beach, Calif. Haircutting method. 2,581,704, Jan. 8.

Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Wall-mounted combustion space heater with window-accommodated air duct and flue. 2,582,066, Jan. 8.

Reuter, Gottfried: *See*— Mork, George W., and Reuter.

Rexart Metal Industries, Inc., assignee: *See*— Rechler, Morton D.

Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of N-substituted nitrogen heterocyclic bases. 2,581,443, Jan. 8.

Rheem Manufacturing Company, assignee: *See*— Johns, Stanley S.
Maisch, Oliver.

Rich, Theodore A., and J. E. Bigelow, Schenectady, N. Y., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Electrometer for pocket chambers. 2,582,163, Jan. 8.

Richardson, Avery G., Boonton, N. J., and F. O. Chesus, Bayport, N. Y., assignors, by mesne assignments, to Federal Telephone and Radio Corporation, Clifton, N. J. Direction finder. 2,581,444, Jan. 8.

Riche, Arthur L., Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Blade type snap acting device. 2,581,705, Jan. 8.

Riecken, George C.: *See*— Riecken, George L. and G. C.

Riecken, George L. and G. C., near Evansville, assignors to Schnacke Manufacturing Corporation, Evansville, Ind. Shoe sole cutting off device. 2,581,771, Jan. 8.

Riley, Robert H., Jr., and A. G. Decker, Jr., Towson, Md., assignors to The Black and Decker Manufacturing Company. Armature lead connection. 2,581,445, Jan. 8.

Rimbach, Harry J., Mount Dora, Fla. Self-leveling and stabilizing jack. 2,581,706, Jan. 8.

Ringel, Walter D., Monroe, Mich. Thumb grip nock. 2,581,884, Jan. 8.

Roberts, Bruce, assignor to The International Electronics Company, Philadelphia, Pa. Back-spacing device for dictating machines. 2,581,499, Jan. 8.

Roberts, Irving, Greensburg, assignor to Elliott Company, Jeannette, Pa. Method and apparatus for separating gases. 2,582,068, Jan. 8.

Robinson, Charles F., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Supporting means for vacuum electrodes. 2,581,446, Jan. 8.

Robinson, David M., assignor to The Stanley Works, New Britain, Conn. Connecting means for door latches. 2,581,885, Jan. 8.

Rockerath, John L., Utica, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser foot for sewing machines. 2,581,603, Jan. 8.

Rockwell, Albert M., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Automatically variable speed scavenge pump drive. 2,581,886, Jan. 8.

Roehrl, Bruno C., assignor to National Organ Supply Company, Erie, Pa. Slide fastener. 2,581,604, Jan. 8.

Roffee, Arthur P., Lincoln Park, R. I. Combination toy and savings bank. 2,581,707, Jan. 8.

Rogers, Curt R., Gatesville, Tex. Telescopic camping trailer. 2,581,556, Jan. 8.

Rogers, Walter E., Stow, and N. H. Nye, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Die holding and lubricating mechanism. 2,581,708, Jan. 8.

Rogers, Walter F.: *See*— Kennedy, Harvey T., and Rogers.

Rogers, William J., Brooklyn, N. Y. Air cooling system for tents or canopies. 2,581,709, Jan. 8.

Rohm & Haas Company, assignee: *See*— Hurwitz, Melvin D.
Van Hook, John O., and Croxall.

Rooney, William L.: *See*— Whitehead, William, Steidling, Brown, and Rooney.

Roos, George R., Chicago, Ill. Hatbox. 2,581,710, Jan. 8.

Roper, Colin V., assignor to G. Stibbe & Co. Limited, Leicester, England. Clutch mechanism for circular knitting machines. 2,582,164, Jan. 8.

Rose, Clarence W., assignor to Rose Manufacturing Company, Denver, Colo. Safety belt. 2,581,772, Jan. 8.

Rose, Leigh L., Los Angeles, Calif. Jet pump. 2,582,069, Jan. 8.

Rose Manufacturing Company, asignee: *See*— Rose, Clarence W.

Roselius, Louis W., Lake Success, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Mill roll stand. 2,581,711, Jan. 8.

Rosenfeld, Harry, Brooklyn, N. Y., assignor to Milprint, Inc., Milwaukee, Wis. Expansible tube tensilizing apparatus. 2,582,165, Jan. 8.

Rosner, Irving, assignor to Even-Pul Foundations, Inc., New York, N. Y. Form constricting and molding garment. 2,582,166, Jan. 8.

Rottig, Walter, Oberhausen-Sterkrade-Nordc, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Extracting oxygen compounds from hydrocarbon mixtures. 2,581,712, Jan. 8.

Rottschaefer, Bernard W., East Greenbush, assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of 2-chloro-4-methoxy-5-nitro-toluene and 2-chloro-4-methoxy-5-amino-toluene. 2,581,972, Jan. 8.

Rouhlíček, Richard, assignor to Ceskoslovensky Prumysl Lihovarsky a drozdarsky, Narodni Podnik, Prague, Czechoslovakia. Closure for multicompartmented bottle with means for selectively dispensing from any one of said compartments. 2,581,713, Jan. 8.

Rovere, Elmer, San Francisco, Calif. Riding saddle with radio receiving apparatus. 2,581,714, Jan. 8.

Royer, Celestine A., assignor to R. H. Bishop Company, Champaign, Ill. Hand metal stamping tool. 2,581,715, Jan. 8.

Rozas, Luis A. V., Cuzco, Peru. Parachute unfastener. 2,581,557, Jan. 8.

Ruhemann, Martin S. W., assignor to Petrocarbon Limited, Loudon, England. Plural stage cooling machine. 2,581,558, Jan. 8.

Ruhrchemie Aktiengellschaft, assignee: *See*— Rottig, Walter.

Rutkiewicz, Joseph, and G. Grano, Philadelphia, Pa. Box liner spreading jig. 2,581,447, Jan. 8.

Ryan, Albert O., assignor to Redding Manufacturing Company, Inc., Norwalk, Conn. Manufacture of filamentary articles. 2,581,559, Jan. 8.

Ryder, Frank A.: *See*— Collins, Arthur R., Ryder, and Randall.

Ryder, Harry: *See*— Kershaw, Norman, and Ryder.

S & S Corrugated Paper Machinery Co., Inc., assignee: *See*— Roselius, Louis W.

Safer, Louis T., Los Angeles, Calif. Easel. 2,582,070, Jan. 8.

Safety Hydraulics Company, assignee: *See*— Goodell, Guy C., Jr.

St. Regis Paper Company, assignee: *See*— Lienart, Marcel.

Salisbury, Eva L., assignee: *See*— Dowdell, Sidney M., and Giovanella.

Sanford, Richard: *See*— Hecht, Maynard L., and Sanford.

Santosuosso, Leonard, Revere, Mass. Safety latch for automobile doors. 2,582,167, Jan. 8.

Sasgen Derrick Co., assignee: *See*— Sasgen, Matthias F.

Sasgen, Matthias F., assignor to Sasgen Derrick Co., Chicago, Ill. Construction of drum for hoists, winches and the like. 2,581,716, Jan. 8.

Sato, Takeo, Honolulu, Territory of Hawaii. Adjustable column form. 2,582,168, Jan. 8.

Saxton, Stanley L., and S. E. Lowell, La Crosse, Wis. Cargo lift. 2,581,887, Jan. 8.

Schaack, August, Esch/Alzette, Luxembourg, assignor to Acieries Reunies de Burbach-Eich-Dudelange Societe Anonyme, Luxembourg, Grand Duchy of Luxembourg. Joint for sheet piles. 2,581,717, Jan. 8.

Schaffer, George H., Waterbury, Conn. Reduction gear box. 2,581,973, Jan. 8.

Schaffert, Roland M., and M. F. Browning, Columbus, Ohio. Preparing duplicate plastic-backed printing plates. 2,581,718, Jan. 8.

Schefbauer, Rupert J., Jr.: *See*— Lee, Ernest D., and Schefbauer.

Schering Corporation, assignee: *See*— Schwenk, Erwin.

Schiappa, Anthony, assignor to Moore Fabric Company, Pawtucket, R. I. Selvage edge construction in woven elastic fabric. 2,582,169, Jan. 8.

Schiegel, Richard J.: *See*— Schiegel, William A. and R. J.

Schiegel, William A., Napoleon, and R. J. Defiance, Ohio. Automobile seat cover. 2,581,888, Jan. 8.

Schlueter, Ernest, Troy, assignor to Simmons Fastener Corporation, Albany, N. Y. Fastener for butt joints. 2,581,816, Jan. 8.

Schmucker, Loftin W., assignee: *See*— Miller, Hubert E.

Schnacke Manufacturing Corporation, assignee: *See*— Riecken, George L. and G. C.

Schoenlaub, Robert A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Obtaining magnesia from magnesia-containing rock. 2,581,719, Jan. 8.

Scholl, William M., Chicago, Ill. Arch support and making same. 2,581,605, Jan. 8.

Schon, Einar B., Sun Prairie, Wis. Duplicating attachment for contour shaping machines. 2,582,170, Jan. 8.

Schoonmaker, Raymond B., assignor to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y. Transformer terminal connector. 2,581,500, Jan. 8.

Schreiner, Ernest: *See*— Cohen, David, and Schreiner.

Schulman, Earl L.: *See*— Johnson, John S., and Schulman.

Schulte, Theodore B., Dorchester, Iowa. Attachment for corn pickers. 2,581,720, Jan. 8.

Schultz, Wilber A., Lakewood, assignor to Perfection Stove Company, Cleveland, Ohio. Suspended air-heating furnace. 2,582,071, Jan. 8.

Schwenk, Erwin, Montclair, assignor to Schering Corporation, Bloomfield, N. J. Manufacture of Δ9(11)-12-keto steroid acids and products obtained thereby. 2,581,448, Jan. 8.

Schwinn, Frank W., Chicago, Ill. Battery case. 2,582,072, Jan. 8.

Scudder, Stanley L., assignor to Eastman Kodak Company, Rochester, N. Y. Photoelectric plotting densitometer. 2,582,073, Jan. 8.

Seaman, David J., and A. E. Wood, Battle Creek, Mich., said Wood assignor to said Seaman. Door latch construction. 2,581,606, Jan. 8.

Sebring, Walter A., Tyler, Tex. Candy forming and dispensing machine. 2,582,074, Jan. 8.

Secrest, William J., Cuyahoga Falls, assignor to the Firestone Tire & Rubber Company, Akron, Ohio. Bias cutter control mechanism. 2,581,937, Jan. 8.

See, Theodore S., Hammond, Ind., assignor to La Salle Steel Company, Chicago, Ill. High-speed machining of ferrous materials. 2,581,449, Jan. 8.

Seeburg, J. P., Corporation, assignee: *See*— Andrews, Edward F.

Seeler, Henry, Dayton, Ohio. Resuscitator. 2,581,450, Jan. 8.

Sennet, Morgan B., assignor to De Laval Steam Turbine Company, Trenton, N. J. Mixing pump. 2,581,451, Jan. 8.

Service Diamond Tool Company, assignee: *See*— Small, Louis.

Severi, Mentore, Buenos Aires, Argentina. Removing nicotine from tobacco. 2,582,075, Jan. 8.

Shankland, Rodney V., Chicago, Ill., S. E. Shields, Whiting, Ind., and E. W. Thiele, assignors to Standard Oil Company, Chicago, Ill. Refining of synthetic hydrocarbon mixtures. 2,581,560, Jan. 8.

Shaver, George W., Los Angeles, Calif. Cutting element for slicing machines. 2,581,501, Jan. 8.

Shaw, Gilbert, Middlebury, Vt. Filament package and producing same. 2,581,561, Jan. 8.

Shaw, Thomas, Cranston, R. I., assignor to Stackbim Corporation. Open-topped receptacle and a hopper extending upwardly therefrom, both forming a stackable unit. 2,582,207, Jan. 8.

Shell Development Company, assignee: *See*— Van 't Spijker, Peter, and 't Hart.

Sheppard, William F., Chicago, Ill. Sectional buffing wheel. 2,582,076, Jan. 8.

Sherwin, Chalmers W., Leonia, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Synchro exciter. 2,582,208, Jan. 8.

Sherwood, Almond H., Whittier, Calif. Warning device for an oil well. 2,581,721, Jan. 8.

Shields, Stanley E.: *See*— Shankland, Rodney V., Shields, and Thiele.

Shinn, Byron H., Springfield Township, Summit County, Ohio, and J. E. Ullman, Dublin, Pa., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Brake with lubricated disks. 2,581,941, Jan. 8.

Shulman, Carl L., and G. R. Kilgore, Princeton, N. J., assignors to Radio Corporation of America. Multisegment single cavity magnetron. 2,581,607, Jan. 8.

Shumaker, Howard A.: *See*— Langille, Wilfred O., Shumaker, and Turner.

Signode Steel Strapping Company, assignee: *See*— Weiss, Le Roy.

Simmer, Otto, Mondsee, Austria. Packing ring. 2,581,817, Jan. 8.

Simmons Fastener Corporation, assignee: *See*— Schlueter, Ernest.

Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Antifriction bearing. 2,581,722, Jan. 8.

Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,581,723, Jan. 8.

Simpson, Roy L., North Kansas City, assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Safety device. 2,582,171, Jan. 8.

Singer Manufacturing Company, The, assignee: *See*— Langille, Wilfred O., Shumaker, and Turner.
Rockerath, John L.
Turner, Edgar P.

Slatkin, Alfred D., Birmingham, Mich. Electric vulcanizing machine. 2,581,608, Jan. 8.

Slattery, James J.: *See*— Anderson, Louis A., and Slattery.

Sloan, Edward C., Madison, Wis., assignor to Kartridg-Pak Machine Co., Chicago, Ill. Banding machine. 2,581,724, Jan. 8.

Small, Louis, Detroit, assignor to Service Diamond Tool Company, Ferndale, Mich. Diamond tool. 2,581,609, Jan. 8.

Smallegan, Marvin L., assignor to Automatic Poultry Feeder Company, Zeeland, Mich. Poultry feeder. 2,581,725, Jan. 8.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,581,974, Jan. 8.

Smith, Bert, assignor to G. Stibbe & Co. Limited, Leicester England. Lubricating arrangement for machines and mechanisms. 2,582,172, Jan. 8.

Smith, George E. P., Jr.: *See*— Albert, Harry E., and Smith.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Antiflex-cracking agents in rubber. 2,581,906, Jan. 8.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making stannous salts of polyhydroxy aromatic compounds. 2,581,913, Jan. 8.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tetrahydrobenzothiazole sulfenamides. 2,581,932, Jan. 8.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stannous alkylcatecholates. 2,581,940, Jan. 8.

Smith, George E. P., Jr., and H. E. Albert, assignors to The Firestone Tire & Rubber Compnay, Akron, Ohio. Rubbery diolefinic polymers containing as antioxidant a mixture of antimony oxide and a 2,4,6 trihydrocarbon substituted phenol. 2,581,907, Jan. 8.

Smith, George E. P., Jr., and H. E. Albert, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of rubbers. 2,581,924, Jan. 8.

Smith, Herman W., Highland Park, and C. C. Jackson, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Visor apparatus. 2,581,610, Jan. 8.

Smith, Isidore P., Maumee, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Combined metallic and fabric awning structure. 2,581,726, Jan. 8.

Smith, John J.: *See*— Duncan, James E., and Smith.

Smith, Kline & French Laboratories, assignee: *See*— Ullyot, Glenn E.

Smith, Lowell J., and D. Friend, assignors to Stant Manufacturing Company, Connersville, Ind. Pressure vacuum relief radiator cap. 2,582,209, Jan. 8.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Spring type clutch. 2,582,077, Jan. 8.

Smith, William E., Milltown, N. J. Filling mechanism for automatic weighing machinery. 2,581,562, Jan. 8.

Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Wiper arm apparatus. 2,582,173, Jan. 8.

Snyder, Eugene L., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,581,975, Jan. 8.

Societe Civile d'Etudes de Constructions Aeronautiques E. C. A., assignee: *See*— Gianoli, Marcel.

Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A., assignee: *See*— Pateras Pescara, Raul.

Societe Genevoise d'Instruments de Physique, assignee: *See*—
Turrettini, Fernand W.

Societe Solex, assignee: *See*—
Mennesson, Marcel L.

Society "Etablissements Herburger," assignee: *See*—
Langloys, Rémy J. M. C.

Society: "La Radio-Industrie," S. A., assignee: *See*—
De France, Henri G., and Ernyei.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Biles, John L., Myers, Petry, and Cowell.
Brooks, John W.

Solomon, Ernest, Nutley, assignor to The M. W. Kellogg Company, Jersey City, N. J. Dehydration of organic acids. 2,581,452, Jan. 8.

Solomon, Louis, Chicago, Ill. Gear shift for toy steering wheels. 2,581,976, Jan. 8.

Solum, Thorsten, and H. C. Franson, Norwalk, Conn. Glass cutting apparatus. 2,582,078, Jan. 8.

Somerset, Charles H., Hartford, Conn. Planing device. 2,581,818, Jan. 8.

Soplata, Louis, Novelty, Ohio. Ventilated window sill. 2,581,727, Jan. 8.

Sound Engineering, assignee: *See*—
Mann, Theodore H. and T. G.

Southern Welding & Machine Company, assignee: *See*—
Harmon, Robert R., and Michie.

Spack, Maurice, Brookline, Mass., assignor to Connecticut Footwear, Inc., Shelton, Conn. Retainer-welt slipper sock. 2,581,728, Jan. 8.

Spalding, Kenneth F., Chicago, and F. V. Collins, Des Plaines, assignors to W. F. Stahl, Kenilworth, Ill. Apparatus for sealing plastics. 2,581,977, Jan. 8.

Spencer, George A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Foaming apparatus. 2,581,918, Jan. 8.

Spencer, George A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for and method of forming filaments. 2,581,922, Jan. 8.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic cooking. 2,582,174, Jan. 8.

Sperry Corporation, The, assignee: *See*—
Gluxton, Edward L.
Hamilton, Donald R.
Palmer, Winslow.

Spicer, Curtis: *See*—
Alexander, Robert H., and Spicer.

Spring, Harry W., Waterbury, Conn. Toolmaker's parallel screw clamp. 2,581,978, Jan. 8.

Sprung, Murray M., Schenectady, N. Y., assignor to General Electric Company. High-boiling esters as solvents for polychlorotrifluoroethylene. 2,581,453, Jan. 8.

Sprung, Murray M., Schenectady, N. Y., assignor to General Electric Company. Suspensions of polymeric chlorotrifluoroethylene. 2,581,454, Jan. 8.

Square Grip Reinforcement Company (London) Limited, The, assignee: *See*—
Clegg, Gordon L.

Stackbin Corporation, assignee: *See*—
Shaw, Thomas.

Stafford, Paris H.: *See*—
Tuttle, Clifton M., and Stafford.

Stahl, William F., assignee: *See*—
Spalding, Kenneth F., and Collins.

Staley, A. E., Manufacturing Company, assignee: *See*—
Etheridge, Oliver R.

Stalker, Edward A., Bay City, Mich. Aircraft rotor blade and blade flap pitch control. 2,581,773, Jan. 8.

Stamford Chemical Company, The, assignee: *See*—
Machlis, Samuel, and Michaels.

Standard Oil Company, assignee: *See*
Chicote, Wilbur R.
Shankland, Rodney V., Shields, and Thiele.

Standing, Marshall B., H. S. Yaplee, and M. Macaulay, Whittier, assignors to California Research Corporation, San Francisco, Calif. Method and apparatus for locating well fluid loss. 2,581,979, Jan. 8.

Stanley Works, The, assignee: *See*—
Robinson, David M.

Stant Manufacturing Company, assignee: *See*
Smith, Lowell J., and Friend.

Stanton, Philip L., Flintridge, assignor to E & J Manufacturing Co., Glendale, Calif. Apparatus for positive respiration during gas anesthesia. 2,582,210, Jan. 8.

Star Products Company, assignee: *See*
Lustig, Peter A.

Steels, D. C., assignee: *See*—
Dowdell, Sidney M., and Giovanella.

Stelding, John B.: *See*—
Whitehead, William, Brown, and Rooney.

Stempel, Laszlo M., assignor to L. M. Stempel, New York, and A. C. Nolte, Plandome, N. Y., as joint trustees. Adjustable bearing device. 2,581,455, Jan. 8.

Stevens, Horace D., Sarasota, Fla., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stitcher for tire-building apparatus. 2,581,933, Jan. 8.

Stewart-Warner Corporation, assignee: *See*—
Collins, Arthur R., Ryder, and Randall.

Stibbe, G., & Co., Limited, assignee: *See*—
Roper, Colin V.
Smith, Bert.

Stitz, Harry, and M. Morgenstern, New York, N. Y.; said Morgenstern assignor to said Stitz. Soap salvager and soaper. 2,582,175, Jan. 8.

Stockdale, Allen C.: *See*—
Mallu, Ralph D., and Stockdale.

Stone, Harry F., and H. L. Gibson, Los Angeles, Calif. Method and apparatus for producing valve stems. 2,581,774, Jan. 8.

Stover, Roy L., Wichita, Kans. Safety razor. 2,582,176, Jan. 8.

Strandberg, Malcom W. P., Cambridge, Mass. Coaxial termination for noise diodes. 2,581,819, Jan. 8.

Strauss, Jerome, New York, N. Y., and D. L. Edlund, Bethel, Pa., assignors to Vanadium Corporation of America, New York, N. Y. Composition for addition to cast iron or steel. 2,582,079, Jan. 8.

Strauss, Walter L., New York, N. Y. Latching means for handbag frames. 2,581,729, Jan. 8.

Stright, Benjamin M., assignor to General Railway Signal Company, Rochester, N. Y. Soldering flux. 2,581,820, Jan. 8.

Stroukoff, Michael, Lawrenceville, and J. E. Bartfield, Trenton, assignors to Chase Aircraft Company, Inc., West Trenton, N. J. Space vector analyzer. 2,582,080, Jan. 8.

Studebaker Corporation, The, assignee: *See*—
Dingman, Thomas C.

Suber, Louis J., Vallejo, Calif. Adjustable toolholder for latches. 2,581,980, Jan. 8.

Sun, Kuan-Han, Pittsburgh, Pa., and T. E. Callear, assignors to Eastman Kodak Company, Rochester, N. Y. Neutron-absorbing borate glass. 2,582,081, Jan. 8.

Sun Oil Company, assignee: *See*—
Winterhalter, Alfred C.

Sutton, James C., Lyman, S. C. Selvage opening means. 2,581,821, Jan. 8.

Svenska Ackumulator Aktiebolaget Jungner, assignee: *See*—
Österman, Edvin M.

Swanson, Carl R., Central Village, E. W. Olson, Swansea, Mass., and F. L. Armitage, Barrington, R. I., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for applying powder to thread. 2,581,938, Jan. 8.

Swenson, Alfred G., Ontario, Calif., assignor to General Electric Company. Flatiron having a retractable support. 2,582,082, Jan. 8.

Swift, Irvin H., Grant City, Mo. Computing amplifier. 2,581,456, Jan. 8.

Swisher, Max B., Leeton, and G. L. Boothe, Kansas City, Mo. Powered caster wheel for vehicles. 2,582,177, Jan. 8.

Switlik Parachute Company, Inc., assignee: *See*—
Moran, Harold J.

Sykes, Thomas R.: *See*—
Wallace, Richard E., and Sykes.

Sylvania Electric Products, Inc., assignee: *See*—
Alexander, Robert H., and Spicer.
Doran, Robert F.
Kronenwetter, Harold P.
Norton, Clyde J.

Szulce, Zygmunt, Warsaw, Poland. Flexible mattress support. 2,581,611, Jan. 8.

Taggart, Thomas L.: *See*—
Lombard, Nathaniel A., and Taggart.

Talmage, John H., and R. W. Finley, assignors to Diebold, Incorporated, Canton, Ohio. Filing appliance. 2,581,730, Jan. 8.

Tarter, Christopher C., and H. S. Licht, assignors of thirty per cent to R. M. Kaufman, Los Angeles, Calif. Ring. 2,582,083, Jan. 8.

Taylor, Erle W.: *See*—
Minsk, Louis M., and Taylor.

Taylor, Raymond G., Jr., assignor to The Gulberson Corporation, Dallas, Tex. Weil swab. 2,581,981, Jan. 8.

Taylor, Reginald: *See*—
Pearce, Owen A., and Taylor.

Technicon Chemical Company, Inc., assignee: *See*—
Ferrari, Andrés, Jr.

Telefonaktiebolaget L M Ericsson, assignee: *See*—
Jörgensen, Anders O., and Ingre.

Teletype Corporation, assignee: *See*—
Lake, Ross A.

Terrey, Robert J., Allentown, Pa., assignor to General Electric Company. Guide bearing and shaft. 2,582,084, Jan. 8.

Terry, Irl W., Manteca, Calif. Front end implement mount for tractors. 2,581,731, Jan. 8.

Terry, Lila G., Valparaiso, Ind. Manicuring device. 2,581,982, Jan. 8.

Texas Company, The, assignee: *See*—
Herzog, Gerhard.
McMillan, Wallace A.

't Hart, Marius: *See*—
Van 't Spijker, Peter, and 't Hart.

Thatcher Glass Manufacturing Company, Inc., assignee: *See*—
Powers, Whitney S., Jr.

Theillaumas, Clement M., Seine, France, assignor to International Standard Electric Corporation, New York, N. Y. Electronic stop circuit for switches. 2,581,457, Jan. 8.

Thiele, Ernest W.: *See*—
Shankland, Rodney V., Shields, and Thiele.

Thommen, Hans, and H. Meyer, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas blast circuit breaker having parallel connected impedance. 2,581,822, Jan. 8.

Thompson, Albert R., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Apparatus for feeding and orienting pears. 2,581,732, Jan. 8.

Thompson, Harry C., Chester, Vt., assignor to Radio Corporation of America. Electron discharge device of the beam deflection type. 2,581,612, Jan. 8.

Thompson, Hugh L.: *See*—
Null, Norman V., and Thompson.

Thompson, Hugh L., Waco, Tex. Garment conveyer. 2,582,178, Jan. 8.

Thompson, Leslie D., Jolo, P. I. Method and apparatus for operating internal-combustion engines on composite mixtures of diesel fuel oil and gasoline. 2,581,458, Jan. 8.

Thompson, Milton L., Huntingdon Valley, assignor to Philco Corporation, Philadelphia, Pa. Line-cord antenna. 2,581,983, Jan. 8.

Thompson Products, Inc., assignee: *See*—
Newton, John A.

Thompson, William H.: *See*—
Lane, Russell W., and Thompson.

Thomson, David, Flint, Mich. Sundial and nocturnal celestial timepiece. 2,582,179, Jan. 8.

Tide Water Associated Oil Company, assignee: *See*—
Zellner, Carl N.
Zellner, Carl N., and Lister.

Timmis, Geoffrey M., London, England, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Preparing pyrimidopyrazines. 2,581,889, Jan. 8.

Tinnerman Products, Inc., assignee: *See*—
Hartman, Richard A., and Flora.

Toledo Plate & Window Glass Company, The, assignee: *See*—
Jones, Norman B.

Tolle, Karl, assignor to Eastman Kodak Company, Rochester, N. Y. Wide-angle lens attachment with front element of high index glass. 2,582,085, Jan. 8.

Tom-Petersen, Ditlev, Odense, Denmark. Longitudinal and transversal bulkheads in ships. 2,581,890, Jan. 8.

Tonn, Christ, Minneapolis, and F. B. Pine, St. Paul, assignors to H. V. Keller Manufacturing Co., Minneapolis, Minn. Ironing table having folding supports. 2,582,180, Jan. 8.

Toronto Star Limited, The, assignee: *See*—
Wallace, Richard E., and Sykes.

Torrington Manufacturing Co., The, assignee: *See*—
Morrison, William E.

Toulon, Pierre M. G., assignor to Products & Licensing Corporation, New York, N. Y. High-frequency relay. 2,581,984, Jan. 8.

Transimplex, Import, Export und Transit A. G., assignee: *See*—
Fisch, Paul.

Trask, Harry, New York, N. Y. Picture frame. 2,581,733, Jan. 8.

Trico Products Corporation, assignee: *See*—
Horton, Erwin C.

Trimpert, Raymond J.: *See*—
Tucker, Harold H., and Trimpert.

Triplett Electrical Instrument Company, The, assignee: *See*—
Triplett, William R.

Triplett, William R., assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio. Instrument case and cover. 2,581,734, Jan. 8.

Tropic-Aire, Inc., assignee: *See*—
Weingardt, George C.
White, Lester W.

True, Erwin B., assignee: *See*—
West, Arthur E.

Truhlar, John, Clarendon Hills, and A. A. Pantsios, Chicago, assignors to R. F. Hlavaty, Westchester, Ill. Fireproofing compositions containing water-insolub'e phosphorylamides, and articles fireproofed therewith. 2,582,181, Jan. 8.

Tucker, Harold H., Scarsdale, N. Y., and R. J. Trimpert, Newtown, assignors to The Frank H. Lee Company, Danbury, Conn. Composition for carroting fur and the like. 2,582,086, Jan. 8.

Tuerk, Paul F., Indianapolis, Ind. Detachable leakproof truck canvas connector. 2,581,985, Jan. 8.

Turner, Edgar P.: *See*—
Langille, Wilfred O., Shumaker, and Turner.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Tension releasing device for sewing machines. 2,582,211, Jan. 8.

Turner, George K., Cimarron, N. Mex. Calf branding table. 2,581,735, Jan. 8.

Turner, John R., and R. W. Elliott, assignors to Eastman Kodak Company, Rochester, N. Y. Blocking and unblocking lens blanks for surfacing operations. 2,582,087, Jan 8.

Turrettini, Fernand W., Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Projection optical measuring device for machine tools. 2,581,823, Jan. 8.

Tuttle, Clifton M., Hudesite, and P. H. Stafford, assignors to Kenyon Instrument Company, Inc., Huntington, N. Y. Apparatus for rapid processing of film. 2,582,182, Jan. 8.

Twigg, George H., Cambridge, England, assignor to The Distillers Company, Limited, Edinburgh, Scotland. Drying alcohols and ketones. 2,582,214, Jan. 8.

Tyra, Thomas D., United States Navy. Stereoscopic and stroboscopic gunnery fire control system. 2,581,459, Jan. 8.

Ullman, John E.: *See*—
Shinn, Byron H., and Ullman.

Ulrich, Fred J., Kalamazoo, assignor to L. A. Fordon, Detroit, Mich. Stacking box or tray. 2,581,613, Jan. 8.

Ullyot, Glenn E., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Preparation of aminophthalidylalkane salts. 2,581,986, Jan. 8.

United Aircraft Corporation, assignee: *See*—
Brown, Bertrand H.
Elliott, Philip N.
Rockwell, Albert M.

United Shoe Machinery Corporation, assignee: *See*—
Killam, Charles O.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Johnson, John S., and Schulman.
Kahn, Milton.
Rich, Theodore A., and Bigelow.

U. S. Bedding Company, assignee: *See*—
Haas, Joseph D.

United States Gypsum Company, assignee: *See*—
Willey, Grant S., and Frost.

United States Rubber Company, assignee: *See*—
Frisch, Hans R.
Olson, Mark W.

United States Sheetwood Company, assignee: *See*—
Goss, Worth C.

U. S. Thermo Control Co., The, assignee: *See*—
Jones, Frederick M.

Universal Oil Products Company, assignee: *See*—
Kassel, Louis S.

Universal Wire Spring Company, The, assignee: *See*—
Neely, William H.

University of Minnesota, Regents of the, assignee: *See*—
Nier, Alfred O. C.

Vanadium Corporation of America, assignee: *See*—
Strauss, Jerome, and Edlund.

Vangeen, Abraham I., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electron multiplier. 2,581,460, Jan. 8.

Van Hook, John O., Philadelphia, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Conversion of acyloxymethylene-4-pentenoates to ether esters. 2,582,212, Jan. 8.

Van Tol Martinus: *See*—
Kleis, Derk, and van Tol.

Van 't Spijker, Peter, The Hague, and M. 't Hart, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Synthesis of carbinols. 2,581,988, Jan. 8.

Vaughan, Clarence J., Kansas City, Kans. Window check rail painter. 2,581,563, Jan. 8.

Vaughn Machinery Company, The, assignee: *See*—
Rogers, Walter E., and Nye.

Veeder-Root Incorporated, assignee: *See*—
Hoye, James B.

Velt, Gertrud, executrix: *See*—
Velt, Julius.

Velt, Julius, deceased, Hounslow West, England, G. Velt, executrix, assignor to Duratube & Wire Limited, Feltham, England. Apparatus for the manufacture of patterned thermoplastic strip material. 2,581,614, Jan. 8.

Villegas, Jaime, Manizales, Colombia. Atraumatic surgical needle. 2,581,564, Jan. 8.

Vogler, Karl, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Decreasing the degree of polymerization of polyvinyl alcohol. 2,581,987, Jan. 8.

Von Mehren, Oswald: *See*—
Baker, Benjamin P., and von Mehren.

Waber, James W., Chicago, Ill. Rim and tire assembly. 2,581,736, Jan. 8.

Wade, Louis R., Los Angeles, Calif. Screen printing machine. 2,581,775, Jan. 8.

Waldorf Paper Products Company, assignee: *See*—
Jameson, Morton B.

Walker, James R., Lansing, Mich. Window sash construction. 2,581,503, Jan. 8.

Wallace, Frances N., executrix: *See*—
Wallace, Richard E., and Sykes.

Wallace, Richard E., deceased; by F. N. Wallace, executrix, and T. R. Sykes, assignors, by mesne assignments, to The Toronto Star Limited, Toronto, Ontario, Canada. Baling machine. 2,581,776, Jan. 8.

Wallin, Fred E., assignor to National Slug Rejectors, Inc., St. Louis, Mo. Coin changer. 2,581,502, Jan. 8.

Walsh, Samuel R., South Attleboro, Mass., assignor to H & B American Machine Company. Drawing mechanism for textile fibers. 2,582,213, Jan. 8.

Walters, William, assignee: *See*—
West, Arthur E.
Walthers, Earle R., Schenectady, N. Y., assignor to General Electric Company. Two-stage hydraulic amplifier. 2,582,088, Jan. 8.
War, United States of America as represented by the Secretary of, assignee: *See*—
Irby, James W., and Johannesburg.
Watson Manufacturing Company, Inc., assignee: *See*—
Bloomstran, Hilmer F.
Weber, Herman W., Richmond Heights, Mo., assignor to Laclede-Christy Company. Furnace wall structure. 2,581,989, Jan. 8.
Weber, Milton N., assignor of one-half to H. W. Link, Detroit, Mich. Load transmitting means for dynamometers. 2,581,990, Jan. 8.
Weidler, Walter, Milwaukee, Wis. Cup or glass-supporting plate. 2,582,183, Jan. 8.
Weingardt, George C., Toledo, Ohio, assignor, by mesne assignments, to Tropic-Aire, Inc., Chicago, Ill. Window retaining means. 2,581,891, Jan. 8.
Weinrich, Arthur R.: *See*—
Colbert, William H., Weinrich, and Morgan.
Weiss, Le Roy, assignor to Signode Steel Strapping Company, Chicago, Ill. Load retaining door having center support. 2,581,991, Jan. 8.
Wells, Robert F., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 2,582,089, Jan. 8.
Wells, William S., Palo Alto, Calif., assignor to Daisy Manufacturing Company, Plymouth, Mich. Loading mechanism for pneumatic guns. 2,581,505, Jan. 8.
West, Arthur E., assignor of one-fourth to J. H. West, one-fourth to W. Walters and one-fourth to E. B. True, Ladysmith, Wis. Safety device for motors. 2,581,737, Jan. 8.
West, Jay H., assignee: *See*—
West, Arthur E.
Western Sales Agency Corporation, assignee: *See*—
McKenzie, Herbert W.
Westinghouse Air Brake Company, assignee: *See*—
Annear, Reed B.
Ashworth, Harry E.
Gilson, Robert M.
O'Hagan, Bernard E., and Martin.
Westinghouse Electric Corporation, assignee: *See*—
Baker, Benjamin P., and von Mehren.
Penney, Gaylord W.
Wheeler, Henry C., assignor to Acme Shear Company, Bridgeport, Conn. Pinking shears. 2,582,184, Jan. 8.
White, Blanche B., Summit, and E. Barabash, New Providence, N. J., assignors to Celanese Corporation of America, New York, N. Y. Cellulose esters. 2,581,565, Jan. 8.
White, Lester W., Toledo, Ohio, assignor, by mesne assignments, to Tropic-Aire, Inc., Chicago, Ill. Cover hinge. 2,581,892, Jan. 8.
Whitehead, William, Forest Hills, N. Y., J. B. Stelding, Midland, L. B. Brown, and W. L. Rooney, Cumberland, Md., assignors to Celanese Corporation of America. Production of spun yarns. 2,581,566, Jan. 8.
Whitelaw, Hamilton, Cranston, R. I., assignor to Douglas Young, Inc. Display box. 2,581,615, Jan. 8.
Whitney Blake Company, The, assignee: *See*—
Dudley, Raymond H., and Larson.
Wicker, Dan B.: *See*—
Bailiff, Fred H., and Wicker.
Wilder, Milton H., Niles, assignor to Wilder Products Company, Springfield, Ohio. Smoke pipe top. 2,581,992, Jan. 8.
Wilder Products Company, assignee: *See*—
Wilder, Milton H.
Wiley, Darrell R., Jackson, Mich. Buffer backing pad. 2,581,567, Jan. 8.
Wilfley, A. R., and Sons., Inc., assignee: *See*—
Wilfley, Elmer R., and Aldred.
Wilfley, Elmer R., and J. L. Aldred, Jr., assignors to A. R. Wilfley and Sons, Inc., Denver, Colo. Centrifugal pump. 2,581,504, Jan. 8.
Willey, Grant S., Chicago, Ill., and O. W. Frost, Gaston, Oreg., assignors to United States Gypsum Company, Chicago, Ill. Making acoustical tile. 2,581,993, Jan. 8.
Williams, Earl E., El Dorado, Kans. Golf game. 2,581,738, Jan. 8.
Willshaw, William E., Kenton, assignor to The M-O Valve Company, Limited, London, England. Cavity resonator magnetron. 2,582,185, Jan. 8.
Willshaw, William E., Kenton, assignor to The General Electric Company, Limited, London, England. Apparatus for accelerating charged particles, especially electrons, to very high velocity. 2,582,186, Jan. 8.
Wilm, Carl C., assignor to J. J. Monaghan Company, Inc., Denver, Colo. Respirator. 2,581,893, Jan. 8.
Wilson, Clifford B., Ossett, England. Rug making needle. 2,581,894, Jan. 8.
Wilson, Glenn C., Oak Park, Ill. Invoice assembly for service items. 2,581,895, Jan. 8.
Windahl, Gunnar, assignor to Nils Jan Anfinsen, Oslo, Norway. Fastening arrangement for skis. 2,581,824, Jan. 8.
Wineinger, Gail, Hewins, Kans. Fishing hook guard. 2,582,090, Jan. 8.
Wing, Russell T., Excelsior, Minn. Fountain pen. 2,581,739, Jan. 8.
Wing, Russell T., Excelsior, Minn. Fountain pen. 2,581,740, Jan. 8.
Winterhalter, Alfred C., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Cable provided with polarized outlets for seismic prospecting. 2,581,994, Jan. 8.
Wirth, Henry E., Philadelphia, Pa. Coding device. 2,581,461, Jan. 8.
Witt, Richard M., San Francisco, Calif., assignor, by mesne assignments, to Grove Regulator Company. Fluid control apparatus. 2,582,091, Jan. 8.
Wolowitz, William H., Washington, D. C. Printing machine for duplicating indicia. 2,582,187, Jan. 8.
Wood, Albert E.: *See*—
Seaman, David J., and Wood.
Wooley, Cecil C., Cottage Grove, Oreg. Apparatus for handling concrete blocks. 2,581,568, Jan. 8.
Woolley, Charles H., Cranford, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Vapor generator. 2,581,896, Jan. 8.
Wrenn, Carl W.: *See*—
Ray, Charles S., and Wrenn.
Wright, Edmond P. G., London, England, and M. den Hertog, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Multipulse voice-frequency code signaling circuit. 2,581,462, Jan. 8.
Wright, Harold J., assignor to Clipper Manufacturing Company, Kansas City, Mo. Combination connecting and stabilizing bar for masonry saws. 2,581,777, Jan. 8.
Wulkan, Ernest, Partille, Sweden. Modified starch process. 2,581,741, Jan. 8.
Yackley, Edward G., N. L. Young, and E. H. Kunz, assignors to Ohmer Corporation, Dayton, Ohio. Cash register. 2,581,463, Jan. 8.
Yaplee, Harry S.: *See*—
Standing, Marshall B., Yaplee, and Macaulay.
You, Ah F. L. A., Honolulu, Territory of Hawaii. Clasp. 2,581,825, Jan. 8.
Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Facsimile scanner. 2,581,616, Jan. 8.
Young, Douglas, Inc., assignee: *See*—
Whitelaw, Hamilton.
Young, Lewis D.
Young, Harold A., Milton, Oreg. Retort can tray loader. 2,581,742, Jan. 8.
Young, Lewis D., Providence, R. I., assignor to Douglas Young, Inc. Sectional receptacle. 2,581,778, Jan. 8.
Young, Norman L.: *See*—
Yackley, Edward G., Young, and Kunz.
Yount, Stanley G., Los Angeles, Calif. Bag. 2,581,826, Jan. 8.
Zakheim, Jacques, assignor to Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.), Paris, France. Automatic system for aircraft. 2,581,743, Jan. 8.
Zaloom, Joseph A., Rutherford, N. J. Preparation of toasted nut meats. 2,582,188, Jan. 8.
Zech, John D., Anchorage, assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Epoxide compositions. 2,581,464, Jan. 8.
Zellner, Carl N., New Providence, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Treatment of oxidized hydrocarbons. 2,581,506, Jan. 8.
Zellner, Carl N., Providence, and F. Lister, Elizabeth, assignors to Tide Water Associated Oil Company, Bayonne, N. J. Treatment of oxidized hydrocarbon mixtures and products thereof. 2,581,507, Jan. 8.
Zellner, Carl N., Berkeley Heights, and F. Lister, Elizabeth, assignors to Tide Water Associated Oil Company, Bayonne, N. J. Treatment of oxidized hydrocarbon mixtures and products thereof. 2,581,508, Jan. 8.
Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Pressure cooker cover support. 2,581,995, Jan. 8.
Zimmerman, William G., Paynesville, Minn. Heating and cooling air conditioning system. 2,581,744, Jan. 8.
Zitzewitz, Arthur F., Chicago, Ill., assignor, by mesne assignments to Elastic Stop Nut Corporation of America, Union, N. J. Making short pins. 2,582,063, Jan. 8.
Zugaro, Sam and F. Pegnani, Powhatan Point, Ohio. Tire removing and replacing machine with a rotatable wheel support. 2,581,569, Jan. 8.
Zveibil, Salvador M., Sao Paulo, Brazil. Awning for doors, windows, and similar openings. 2,581,827, Jan. 8.

LIST OF DESIGN INVENTIONS

Artificial lure. J. J. Bates, 165,626, Jan. 8.
Board, Cribbage. W. C. Horn. 165,631, Jan. 8.
Board, Game. W. J. Champion. 165,634, Jan. 8.
Bottle. J. Stengren. 165,671, Jan. 8.
Box, Multicompartmented. A. M. Rosenfeld. 165,666, Jan. 8.
Brooch or similar article. W. A. Brown. 165,632, Jan. 8.
Brooch or similar article. A. Philippe. 165,664, Jan. 8.
Buckle for a sanitary belt. E. E. Statter. 165,669, Jan. 8.
Condenser for microscopes, Substage. L. B. Hall. 165,648, Jan. 8.
Crib, Infant's. A. G. Feldman. 165,641–4, Jan. 8.
Dish, Baby feeding. J. J. Detzel. 165,637, Jan. 8.
Dispenser, Automatic perfume. L. Hoffman. 165,650, Jan. 8.
Display figure. E. H. Sheppard. 165,668, Jan. 8.
Display stand or similar article, Merchandise. F. Westernacher. 165,675, Jan. 8.
Door guard, Automobile gasoline. M. B. Kramer. 165,655, Jan. 8.
Epergne or similar article. A. J. Dreitzer. 165,638, Jan. 8.
Fabric or the like. S. Bochner. 165,629–30, Jan. 8.
Feeder, Bird. A. W. Blazier. 165,628, Jan. 8.
Figurine. E. Bregent. 165,631, Jan. 8.
Handbag. C. N. Munn. 165,662, Jan. 8.
Handle article support, Golf cart. D. R. Morris. 165,661, Jan. 8.
Holder and deposit box, Combined mass card. M. H. Parent and A. V. Skarin. 165,663, Jan. 8.
Holder for postage stamps in roll form. H. Lathrop. 165,656, Jan. 8.
Holder or similar article, Drafting instrument. J. A. Fretz, Jr. 165,645, Jan. 8.
Jar. J. Stengren. 165,670, Jan. 8.
Key ring. F. U. Dumas. 165,639, Jan. 8.
Knob for gas stove or similar article, Control. D. E. Stewart. 165,672, Jan. 8.
Lamp. A. J. Ingolia, Jr. 165,652, Jan. 8.
Lamp, Decorative chess horse. E. F. Chapman. 165,635, Jan. 8.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 165,665, Jan. 8.
Panty. W. Maron. 165,658–9, Jan. 8.
Plate or the like. M. S. Ambrose. 165,625, Jan. 8.
Pouring attachment for bottles. W. S. Fuld. 165,646, Jan. 8.
Push bar for store doors. R. Burdick. 165,633, Jan. 8.
Shield, Glare. H. F. George. 165,647, Jan. 8.
Stocking. P. Berusch. 165,627, Jan. 8.
Stocking, Lady's. A. Miller. 165,660, Jan. 8.
Stocking, Lady's. V. J. Voss. 165,674, Jan. 8.
Suction cleaner. P. W. Cherry and C. N. Johnson. 165,636, Jan. 8.
Suction cleaner handle fitting and hose connection, Combined. C. N. Johnson. 165,653, Jan. 8.
Toy, Inflated. S. Harrison. 165,649, Jan. 8.
Tray, Automobile serving. W. G. Sheets. 165,667, Jan. 8.
Tray, Combination food and food containers holding. F. N. and J. E. Dyer. 165,640, Jan. 8.
Umbrella. F. Kramer. 165,654, Jan. 8.
Wheel cover or similar article. G. A. Lyon. 165,657, Jan. 8.
Wristband, Calendar. H. S. Strouth. 165,673, Jan. 8.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8th DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading roll. L. M. Kubaugh. 2,581,934, Jan. 8.
Absorbing glasses and making same. A. G. Pincus. 2,581,440, Jan. 8.
Absorption refrigeration apparatus and heating arrangement therefor. S. M. Blickström. 2,581,347, Jan. 8.
Acetylene generator. A. A. G. Magis. 2,581,871, Jan. 8.
Acetylene, Production of. H. A. Dutcher. 2,582,016, Jan. 8.
Acoustic diaphragm. A. H. Johnson. 2,582,130, Jan. 8.
Acrylonitrile-butadiene-1,3 copolymers stabilized by antimonyl P phenyl catecholate. H. E. Albert and G. E. P. Smith, Jr. 2,581,910, Jan. 8.
Acrylonitrile-butadiene-1,3 copolymers stabilized by antimonyl pyrogallolate. H. E. Albert and G. E. P. Smith, Jr. 2,581,911, Jan. 8.
Actuator for convertible vehicle tops. E. C. Horton. 2,581,660, Jan. 8.
Acylated amino alcohol quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,384, Jan. 8.
Adjustable extension device. I. B. Anerson. 2,581,782, Jan. 8.
Adjustable length sphygmomanometer cuff or sleeve. W. E. Heitz. 2,582,123, Jan. 8.
Adrenochrome compositions. D. Fleischhacker and N. Barsel. 2,581,850, Jan. 8.
Air cooling system for tents or canopies. W. J. Rogers. 2,581,709, Jan. 8.
Aircraft rotor blade and blade flap pitch control. E. A. Stalker. 2,581,773, Jan. 8.
Aircraft undercarriage. R. W. Brown. 2,581,935, Jan. 8.
Airplane deicing construction. B. Harpoothian and M. A. Miner. 2,581,760, Jan. 8.
Airplane with movable wing tips. A. C. Haller. 2,582,118, Jan. 8.
Aldimines. M. D. Hurwitz. 2,582,128, Jan. 8.
Alloys. J. M. Lohr. 2,581,420, Jan. 8.
Amino acid salts of mersalyl and preparing the same. W. H. Feinstone. 2,581,397, Jan. 8.
Aminophthalidylalkane salts, Preparation of. G. E. Ullyot. 2,581,986, Jan. 8.
Amino salts of boric acid-aliphatic polyhydroxy carboxylic acid condensation product. D. Curtis. 2,582,191, Jan. 8.
Ammonium sulfite, Making. R. T. Collier. 2,581,752, Jan. 8.
Ammunition. R. S. Holmes. 2,582,124–5, Jan. 8.
Amplifier, Computing. I. H. Swift. 2,581,456, Jan. 8.
Amplifier, Electric wave. L. J. Heaton-Armstrong. 2,581,410, Jan. 8.
Amplifier, Two-stage hydraulic. E. R. Walthers. 2,582,088, Jan. 8.
Amusement device, Aquatic. W. H. Long. 2,581,545, Jan. 8.
Analytical balance. E. K. Mettler and J. Meier. 2,581,807, Jan. 8.
Anion exchange resins which are polyamine-polyacrylate reaction products. J. R. Dudley. 2,582,194, Jan. 8.
Antenna. R. S. Bailey. 2,581,348, Jan. 8.
Antenna, Line-cord. M. L. Thompson. 2,581,983, Jan. 8.
Antenna system, Variable polarization. W. R. Bliss. 2,581,352, Jan. 8.
Antenna, Universally adjustable. W. J. Race. 2,582,159, Jan. 8.
Antiflex-cracking agents in rubber. G. E. P. Smith, Jr. 2,581,906, Jan. 8.
Antifriction bearing. F. S. Kingston. 2,581,958, Jan. 8.
Antifriction bearing. L. E. Simmons. 2,581,722, Jan. 8.
Antiskid device. C. B. Pittinger. 2,581,770, Jan. 8.
Antistatic treatment of articles comprising vinyl resins and treated articles. A. Cresswell. 2,581,836, Jan. 8.
Apparatus for accelerating charged particles, especially electrons, to very high velocity. W. E. Willshaw. 2,582,186, Jan. 8.
Apparatus for and method of forming filaments. G. A. Spencer. 2,581,922, Jan. 8.
Apparatus for applying powder to thread. C. R. Swanson, E. W. Olson, and F. L. Armitage. 2,581,938, Jan. 8.
Apparatus for automatic periodic cleaning of straining members. S. E. E. Ahlfors. 2,581,781, Jan. 8.
Apparatus for cutting out optical glasses. P. Guillermet and F. Planet. 2,582,117, Jan. 8.
Apparatus for feeding and orienting pears. A. R. Thompson. 2,581,732, Jan. 8.

Apparatus for filling tires with a liquid. B. Darrow. 2,581,914, Jan. 8.
Apparatus for finishing gears. W. S. Praeg. 2,581,700, Jan. 8.
Apparatus for handling concrete blocks. C. C. Wooley. 2,581,568, Jan. 8.
Apparatus for making casts. C. O. Kilham. 2,581,489, Jan. 8.
Apparatus for measuring water power. C. R. Moore. 2,582,146, Jan. 8.
Apparatus for molding printing base material. N. A. Hunter. 2,581,860, Jan. 8.
Apparatus for positive respiration during gas anesthesia. P. L. Stanton. 2,582,210, Jan. 8.
Apparatus for rapid processing of film. C. M. Tuttle and P. H. Stafford. 2,582,182, Jan. 8.
Apparatus for sealing-in electron tubes and the like. R. F. Doran. 2,581,945, Jan. 8.
Apparatus for sealing plastics. K. F. Spalding and F. V. Collins. 2,581,977, Jan. 8.
Apparatus for separating liquids. W. Alexander. 2,581,341, Jan. 8.
Apparatus for setting up boxes. W. F. Linstedt. 2,581,491, Jan. 8.
Apparatus for shaping metal plates. G. P. Benes. 2,581,622, Jan. 8.
Apparatus for the continuous production of water gas. A. R. Broadman. 2,581,575, Jan. 8.
Apparatus for the manufacture of patterned thermoplastic strip material. J. Velt. 2,581,614, Jan. 8.
Apparatus for the production and distribution of smoke, fog, vapor clouds. C. A. Bonvillian, R. C. Brierly, and S. Letvin. 2,581,353, Jan. 8.
Aqueous emulsion polymerization of vinyl acetate in the presence of methanol. W. Eggleston. 2,581,844, Jan. 8.
Aqueous formaldehyde distillation. C. Pyle and J. A. Lane. 2,581,881, Jan. 8.
Arbor. E. A. Crosby. 2,582,010, Jan. 8.
Arch support. A. M. Kaufmann, Jr. 2,581,864, Jan. 8.
Arch support and making same. W. M. Scholl. 2,581,605, Jan. 8.
Armature lead connection. R. H. Riley, Jr., and A. G. Decker, Jr. 2,581,445, Jan. 8.
Aromatic hydroxy sulfides. H. E. Albert. 2,581,919, Jan. 8.
Arrangement for receiving telegraph impulses. F. P. Mason. 2,581,426, Jan. 8.
Article display device and price indicator unit, Combination. M. Caruso. 2,581,468, Jan. 8.
Ash tray. L. V. deFee. 2,582,109, Jan. 8.
Associated equipment for nursing units. A. M. Allen. 2,581,340, Jan. 8.
Attaching parts to wooden poles. M. W. Manson. 2,582,050, Jan. 8.
Attachment for corn pickers. T. B. Schulte. 2,581,720, Jan. 8.
Attachment for dressing grinding wheels. E. Oldham. 2,581,496, Jan. 8.
Automatic apparatus for silvering mirrors. N. B. Jones. 2,581,957, Jan. 8.
Automatic circuit breaker reclosing system and apparatus. L. E. Goff, Jr. 2,582,027, Jan. 8.
Automatic grid cutting machine. H. P. Kronenwetter. 2,581,960, Jan. 8.
Automatic indicating means for photographic film holders. Y. H. Kurkjian. 2,582,044, Jan. 8.
Automatic rural mailbox signal. L. Price. 2,581,880, Jan. 8.
Automatic shutoff dispensing nozzle valve. L. H. Duerr. 2,582,195, Jan. 8.
Automatic switch. O. A. Pearce and R. Taylor. 2,581,699, Jan. 8.
Automatic system for aircraft. J. Zakhelm. 2,581,743, Jan. 8.
Automatic tuning device for radio broadcasting receivers. A. T. Jones. 2,582,039, Jan. 8.
Automatically transferring and metering charges of molten metal. A. S. Kux. 2,582,137, Jan. 8.
Automatically variable speed scavenge pump drive. A. M. Rockwell. 2,581,886, Jan. 8.
Automobile seat cover. W. A. and R. J. Schlegel. 2,581,888, Jan. 8.
Awning for doors, windows, and similar openings. S. M. Zveibil. 2,581,827, Jan. 8.
Azeotropic distillation of methanol and acetone with hexane. S. E. Forman. 2,581,789, Jan. 8.

Baby bathing stand. M. D. Rechler. 2,581,883, Jan. 8.
Back-spacing device for dictating machines. B. Roberts. 2,581,499, Jan. 8.
Bag: *See*—
Garment checking bag. Sleeping bag.
Bag. S. G. Yount. 2,581,826, Jan. 8.
Bag tubing machine, Multiply. M. Lienart. 2,581,801, Jan. 8.
Balance. J. H. Eagle. 2,582,017, Jan. 8.
Balancing mechanism for pressure logs. E. M. Österman. 2,581,811, Jan. 8.
Baler, Rotary. H. Kolzing. 2,581,542, Jan. 8.
Baling machine. R. E. Wallace and T. R. Sykes. 2,581,776, Jan. 8.
Ball nut. H. Hawkins. 2,581,482, Jan. 8.
Banding machine. E. C. Sloan. 2,581,724, Jan. 8.
Bar for masonry saws, Combination connecting and stabilizing. H. J. Wright. 2,581,777, Jan. 8.
Battery case. F. W. Schwinn. 2,582,072, Jan. 8.
Bearing: *See*—
Antifriction bearing.
Bearing device, Adjustable. L. M. Stempel. 2,581,455, Jan. 8.
Bearing support for printing presses. C. A. Harless. 2,581,656, Jan. 8.
Bed for trailers, Folding. H. C. Brumbaugh. 2,581,576, Jan. 8.
Belt, Safety. C. W. Rose. 2,581,772, Jan. 8.
Bias cutter control mechanism. W. J. Secrest. 2,581,937, Jan. 8.
Binding strap anchoring means. W. D. Hall. 2,581,529, Jan. 8.
Bituminous composition. G. A. Fasold and H. W. Greider. 2,581,640, Jan. 8.
Bivalent metal halide addition compounds of substituted sulfenamides. E. L. Carr and J. R. Rafter. 2,581,905, Jan. 8.
Blade type snap acting device. A. L. Riche. 2,581,705, Jan. 8.
Blocking and unblocking lens blanks for surfacing operations. J. R. Turner and R. W. Elliott. 2,582,087, Jan. 8.
Blown oxyalkylated derivatives of certain solvent soluble phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,368, Jan. 8.
Boat mooring apparatus. W. T. Loaney. 2,581,676, Jan. 8.
Bottle spinner. W. S. Powers, Jr. 2,581,879, Jan. 8.
Box: *See*—
Display box. Reduction gear box.
Electrical connection box.
Box liner spreading jig. J. Rutkiewicz and G. Grano. 2,581,447, Jan. 8.
Box or tray, Stacking. F. J. Ullrich. 2,581,613, Jan. 8.
Brake: *See*—
Railway brake.
Brake mechanism for casting reels. H. Randick. 2,581,555, Jan. 8.
Brake with lubricated disks. B. H. Shinn and J. E. Ullman. 2,581,941, Jan. 8.
Briefcase and making same. W. R. Hickler. 2,581,763, Jan. 8.
Broiler, Upright. G. Amanatides. 2,581,570, Jan. 8.
Brush for hot-air furnace radiators or the like, Expansible cleaning. W. N. Hadley. 2,581,480, Jan. 8.
Buffer backing pad. D. R. Wiley. 2,581,567, Jan. 8.
Buffing wheel. F. E. Hendrickson. 2,581,411, Jan. 8.
Building construction. W. K. Davis. 2,581,521, Jan. 8.
Butadiene-acrylonitrile copolymer composition containing a resin occurring in Utah resin bearing coal. L. J. Radl. 2,582,160, Jan. 8.
Cabinet: *See*—
Refrigerator cabinet.
Cable provided with polarized outlets for seismic prospecting. A. C. Winterhalter. 2,581,994, Jan. 8.
Calendar, Drum type, rotary, perpetual. E. B. Nichols. 2,581,810, Jan. 8.
Calf branding table. G. K. Turner. 2,581,735, Jan. 8.
Cam grinding machine. C. J. Green. 2,581,759, Jan. 8.
Camera, Photographic. L. H. Moomaw and H. Bernzott. 2,581,691, Jan. 8.
Camera, Precision. A. T. Koppe. 2,581,591, Jan. 8.
Candy forming and dispensing machine. W. A. Sebring. 2,582,074, Jan. 8.
Cap: *See*—
Closure cap.
Pressure vacuum relief radiator cap.
Car: *See*—
Railway car.
Carbonization, Process and apparatus for. G. B. Cramp. 2,581,517, Jan. 8.
Cargo lift. S. L. Saxton and S. E. Lowell. 2,581,887, Jan. 8.
Cart, Child's pull. E. W. Maas. 2,582,143, Jan. 8.
Carton. W. G. Freel and S. F. Jones. 2,581,400, Jan. 8.
Case: *See*—
Battery case. Folding metallic case.
Dismountable case.
Case and cover, Instrument. W. R. Triplett. 2,581,734, Jan. 8.
Cash register. E. G. Yackley, N. L. Young, and E. H. Kunz. 2,581,463, Jan. 8.

Cavity resonator magnetron. W. E. Willshaw. 2,582,185, Jan. 8.
Cellulose acetate sulfates, Preparation of. C. L. Crane. 2,582,009, Jan. 8.
Cellulose esters. B. B. White and E. Barabash. 2,581,565, Jan. 8.
Cellulose triacetate, Manufacture of. C. J. Malm and C. L. Crane. 2,582,049, Jan. 8.
Centrifugal pump. E. R. Wilfley and J. L. Aldred, Jr. 2,581,504, Jan. 8.
Certain esters of carboxy acids with oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,377, Jan. 8.
Chain: *See*—
Cutter chain. Roller chain.
Chair with flexible seat. R. D. Hill. 2,581,793, Jan. 8.
Child's coasting device. C. Beauregard. 2,581,572, Jan. 8.
Chlorination of butadiene. K. C. Eberly and R. J. Reid. 2,581,929, Jan. 8.
Chlorination of butadiene polymers and copolymers. R. C. Briant. 2,581,927, Jan. 8.
Chloro-oxypropylated derivatives of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,391, Jan. 8.
Cigarette holder. R. L. Blackwell. 2,582,097, Jan. 8.
Circuit: *See*—
Discriminator circuit.
Thermionic multiplying and measuring circuit.
Circuit for constant voltage amplifiers. M. L. Hecht and R. Sanford. 2,581,953, Jan. 8.
Circuit for radio receivers, Reflex amplifier. H. A. Broos. 2,582,100, Jan. 8.
Circuit for switches, Electronic stop. C. M. Theillaumas. 2,581,457, Jan. 8.
Circuit interrupter. B. P. Baker and O. von Mehren. 2,581,571, Jan. 8.
Clamp: *See*—
Concrete form clamp.
Toolmaker's parallel screw clamp.
Clasp. A. F. L. A. You. 2,581,825, Jan. 8.
Cleaner: *See*—
Dust mop cleaner. Suction cleaner.
Cleaner with carpet beater and brush, Suction. G. F. Hodges. 2,581,794, Jan. 8.
Closure cap. W. J. Keith. 2,581,539, Jan. 8.
Closure for container having a neck with a reduced outer portion and a bore, and seals for said bore and said reduced portion. M. Friedman. 2,582,026, Jan. 8.
Closure for multicompartmented bottle with means for selectively dispensing from any one of said compartments. R. Roubiček. 2,581,713, Jan. 8.
Clutch: *See*—
Spring type clutch.
Clutch assembly for presses. P. H. and G. I. Danly, and V. Georgeff. 2,581,637, Jan. 8.
Clutch mechanism for circular knitting machines. C. V. Roper. 2,582,164, Jan. 8.
Coating composition containing polyethylene and wax and paper coated therewith. J. B. Hyde. 2,582,037, Jan. 8.
Coating machine. J. Etti. 2,581,848, Jan. 8.
Coaxial termination for noise diodes. M. W. P. Strandberg. 2,581,819, Jan. 8.
Coding device. H. E. Wirth. 2,581,461, Jan. 8.
Coin changer. F. E. Wallin. 2,581,502, Jan. 8.
Coin control. S. May. 2,581,681, Jan. 8.
Coin released skill game apparatus. C. A. Frick. 2,581,644, Jan. 8.
Collapsible wall type expansion engine. J. R. Averill. 2,581,830, Jan. 8.
Collar pin with control means. A. Dovica. 2,581,580, Jan. 8.
Color television reproduction tube. D. A. Jenny. 2,581,487, Jan. 8.
Column form, Adjustable. T. Sato. 2,582,168, Jan. 8.
Combination offset and straight internal bore gauge. A. Eisele. 2,581,473, Jan. 8.
Combined heat exchange system and auxiliary power plant for internal-combustion engines. C. H. Block. 2,581,747, Jan. 8.
Compass correction system. T. O. McCarthy. 2,581,428, Jan. 8.
Composition for addition to cast iron or steel. J. Strauss and D. L. Edlund. 2,582,079, Jan. 8.
Composition for carroting fur and the like. H. H. Tucker and R. J. Trimpert. 2,582,086, Jan. 8.
Compositions of matter comprising halogenated organic compounds. B. H. Hartzog. 2,582,200, Jan. 8.
Compound protective device for radio detection system. A. Longacre. 2,582,205, Jan. 8.
Compressor. D. Pica. 2,582,157, Jan. 8.
Computer and piloting system, Navigation. W. Palmer. 2,581,438, Jan. 8.
Computing device. M. and R. Demeulenaere. 2,581,393, Jan. 8.
Concrete form clamp. E. T. Gabrielson. 2,581,403, Jan. 8.
Condenser for electronic generators, Movable tape. M. Martenot. 2,581,680, Jan. 8.
Conduit indexing and coupling device. T. J. Glaza. 2,581,853, Jan. 8.
Connecting means for door latches. D. M. Robinson. 2,581,885, Jan. 8.

Connector: *See*—
Detachable leakproof truck canvas connector. Transformer terminal connector.
Construction cylindrical containers. O. Rasor. 2,582,065, Jan. 8.
Construction of drum for hoists, winches and the like. M. F. Sasgen. 2,581,716, Jan. 8.
Container. J. S. Donnell. 2,581,944, Jan. 8.
Container. M. B. Jameson. 2,581,664, Jan. 8.
Container filing and material settling machine. S. R. Howard. 2,581,795, Jan. 8.
Container perforator. R. Davis. 2,581,469, Jan. 8.
Container with cap. P. Fisch. 2,581,849, Jan. 8.
Continuous method of making butt weld tubing. F. J. Kennedy. 2,581,673, Jan. 8.
Conversion of acyloxymethylene-4-pentenoates to ether esters. J. O. Van Hook and W. J. Croxall. 2,582,212, Jan. 8.
Converting carbon to electrical energy. E. Gorin. 2,581,650, Jan. 8.
Conveyer, Garment. H. L. Thompson. 2,582,178, Jan. 8.
Cooking apparatus, Electrical. B. Ames. 2,581,343, Jan. 8.
Cooling system for air supplied to compartments of aircraft. W. F. Mayer. 2,581,964, Jan. 8.
Copper compounds and manufacture thereof. W. J. Harshaw and J. O. Hay. 2,581,951, Jan. 8.
Corn planter wheel shield. C. P. Geyer. 2,581,526, Jan. 8.
Corrosion inhibiting composition for steam systems. R. W. Lane and W. H. Thompson. 2,582,138, Jan. 8.
Cotton chopping and weeding device. J. C. Forney. 2,581,642, Jan. 8.
Cover: *See*—
Automobile seat cover. Wheel cover.
Cover hinge. L. W. White. 2,581,892, Jan. 8.
Cradle, Doll. C. J. Niebuhr. 2,582,061, Jan. 8.
Crawler tractor friction wheel drive mechanism. F. H. Darragh, Jr. 2,581,365, Jan. 8.
Crown cap and pad. A. L. Genovese. 2,581,647, Jan. 8.
Cup and integral straw. M. Cohen. 2,581,516, Jan. 8.
Cup or glass-supporting plate. W. Weidler. 2,582,183, Jan. 8.
Cushion, Blank holder. R. C. Ingersoll. 2,581,663, Jan. 8.
Cutter: *See*—
Vise-operated rod cutter.
Cutter. W. P. Dooley. 2,581,470, Jan. 8.
Cutter and transfer device for fish canning machines. R. E. J. Nordquist. 2,581,432, Jan. 8.
Cutter chain. L. E. Simmons. 2,581,723, Jan. 8.
Cutting and harvesting vine and bush crops. H. D. Hume. 2,581,661, Jan. 8.
Cutting chain structure. C. J. Forbes. 2,581,586, Jan. 8.
Cutting element for slicing machines. G. W. Shaver. 2,581,501, Jan. 8.
Cutting machine. C. A. Papendick. 2,582,154, Jan. 8.
Decaulking apparatus. J. H. Franks. 2,581,477, Jan. 8.
Decreasing the degree of polymerization of polyvinyl alcohol. K. Vogler. 2,581,987, Jan. 8.
Dehydration of organic acids. E. Solomon. 2,581,452, Jan. 8.
Delay opening parachute pack and knife plunger releasing assembly therefor. L. P. Frieder and W. S. Finken. 2,581,645, Jan. 8.
Delay opening parachute pack and releasing assembly therefor. W. S. Finken and L. P. Frieder. 2,582,113, Jan. 8.
$\Delta^{9(11)}$ 12-keto steroid acids and products obtained thereby. Manufacture of. E. Schwenk. 2,581,448, Jan. 8.
Demountable wheel. E. E. Radford. 2,581,554, Jan. 8.
Desiccator. H. W. McKenzie. 2,581,684, Jan. 8.
Detachable leakproof truck canvas connector. P. F. Tuerk. 2,581,985, Jan. 8.
Detergent forming monocarboxy acid esters of certain oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,376, Jan. 8.
Determining water content of concrete in the fluid state. Method and apparatus for. G. L. Glegg. 2,581,950, Jan. 8.
Device for barking of logs or the like. N. Alfsen. 2,581,617, Jan. 8.
Device for cutting staple fiber. F. H. Bailiff and D. B. Wicker. 2,581,467, Jan. 8.
Device for holding strips of material to be stitched. L. G. Reilly. 2,581,703, Jan. 8.
Device for mounting engraved cylinders in machines for printing cloth and the like. C. Luttenauer. 2,581,593, Jan. 8.
Device for protecting polyphase circuits. C. E. Randall. 2,581,882, Jan. 8.
Device for shutting off gases from pipe lines. J. T. Cronkhite. 2,582,105, Jan. 8.
Device for the relief of bloat in cattle. M. A. Marshall. 2,581,679, Jan. 8.
Dial mounting for micrometer calipers. W. B. Hunter. 2,581,955, Jan. 8.
Dial, Party line identification. J. E. Ostline. 2,581,697, Jan. 8.
Diamond tool. L. Small. 2,581,609, Jan. 8.
Die: *See*—
Extrusion die.
Die casting machine. F. Halward. 2,582,029, Jan. 8.
Die holding and lubricating mechanism. W. E. Rogers and N. H. Nye. 2,581,708, Jan. 8.
Diesel fuel oil. G. H. Denison, Jr. 2,582,192, Jan. 8.
Direction finder. A. G. Richardson and F. O. Chesus. 2,581,444, Jan. 8.
Discriminator circuit. C. J. Norton. 2,581,968, Jan. 8.
Dismountable case. H. E. E. Holst. 2,582,126, Jan. 8.
Dispenser: *See*—
Match book dispenser.
Dispensing apparatus and cartridge therefor. W. P. Peterson. 2,582,156, Jan. 8.
Dispersing pigments in film-forming materials. S. Hochberg. 2,581,414, Jan. 8.
Display box. H. Whitelaw. 2,581,615, Jan. 8.
Display system indicating craft position and movement. H. G. Busignies and P. R. Adams. 2,581,358, Jan. 8.
Door construction, Folding vehicle. J. F. Jordan. 2,581,797, Jan. 8.
Door having center support, Load retaining. L. Weiss. 2,581,991, Jan. 8.
Door lock. T. C. Dingman. 2,581,838, Jan. 8.
Door organization with pressure release, Balanced. W. S. Bates. 2,581,783, Jan. 8.
Draft control. E. A. Field, Jr. 2,581,757, Jan. 8.
Drain mounting and sealing arrangement. G. C. Harbison. 2,582,031, Jan. 8.
Drastic oxidation products of unsaturated fatty acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,389, Jan. 8.
Drawing mechanism for textile fibers. S. R. Walsh. 2,582,213, Jan. 8.
Drier or cooler, Rotary. J. L. Erisman. 2,581,756, Jan. 8.
Drill: *See*—
Rat hole drill.
Drip tray guide wire and stop arrangement. W. R. Jewell. 2,582,038, Jan. 8.
Drum and cymbal beating device. O. R. Christian. 2,581,515, Jan. 8.
Drum-handling attachment for industrial trucks. W. W. Cushman. 2,581,364, Jan. 8.
Dry process for making composite consolidated products with controlled prestreaming of the raw materials. E. G. Hallonquist. 2,581,654, Jan. 8.
Dry quenching coke. E. V. Harlow. 2,581,409, Jan. 8.
Drying alcohols and ketones. G. H. Twigg. 2,582,214, Jan. 8.
Drying oils, Production of. J. C. Hillyer and J. T. Edmonds. 2,581,413, Jan. 8.
Duplicating attachment for contour shaping machines. E. B. Schon. 2,582,170, Jan. 8.
Dust mop cleaner. E. Autry. 2,581,346, Jan. 8.
Early factor mechanism. R. E. Boyden and E. P. Drake. 2,581,624, Jan. 8.
Easel. L. T. Safer. 2,582,070, Jan. 8.
Educational and amusement device. H. E. Lowe and H. Cazier. 2,581,492, Jan. 8.
Educational apparatus. J. W. Mioduski and R. H. Lesner. 2,581,595, Jan. 8.
Electric currents with cyclic wave form, Producing. H. E. Kallmann. 2,581,798, Jan. 8.
Electric discharge tube. J. L. H. Jonker and G. Diemer. 2,582,203, Jan. 8.
Electric heating of wash boilers and the like. C. Clegg. 2,582,103, Jan. 8.
Electric pulse generator. A. H. Reeves. 2,581,442, Jan. 8.
Electric relays. H. E. Ashworth. 2,581,510, Jan. 8.
Electrical apparatus. C. A. P. Johnson and A. T. Morrison. 2,581,861, Jan. 8.
Electrical breakdown device. C. W. Jacob. 2,582,202, Jan. 8.
Electrical connection box. J. E. Dieffenderfer. 2,581,755, Jan. 8.
Electrical pickup for string instruments. E. Grimshaw. 2,581,653, Jan. 8.
Electrical prospecting. W. M. Barret. 2,581,349, Jan. 8.
Electrical testing device. M. Podell. 2,581,497, Jan. 8.
Electrodepositing uranium dioxide. M. Kahn. 2,581,863, Jan. 8.
Electrolytic polishing. S. B. Emery. 2,582,020, Jan. 8.
Electrolytic process of stripping metallic coatings from a ferrous metal base. G. T. Larsen. 2,581,490, Jan. 8.
Electromagnetic operating mechanism for typewriters. H. Jarmann. 2,581,665, Jan. 8.
Electromagnetic pressure sensitive device. J. Clark. 2,581,359, Jan. 8.
Electrometer for pocket chambers. T. A. Rich and J. E. Bigelow. 2,582,163, Jan. 8.
Electron discharge device of the beam deflection type. H. C. Thompson. 2,581,612, Jan. 8.
Electron multiplier. A. I. Vangeen. 2,581,460, Jan. 8.
Electron tube structure and the manufacture thereof. J. E. Beggs. 2,581,997, Jan. 8.
Electronic bore gauge. J. J. Neff. 2,581,495, Jan. 8.
Electronic cooking. P. L. Spencer. 2,582,174, Jan. 8.
Elevator car switch. C. E. Orr. 2,581,969, Jan. 8.
Eliminating dust produced by pneumatic drills. L. A. J. Dautrebande. 2,581,943, Jan. 8.
Emergency display for toll ticketing. G. T. Baker. 2,581,900, Jan. 8.
Endless track. R. J. Gray. 2,581,587, Jan. 8.

Endmatcher, woodworking machine. D. L. Fair. 2,581,947, Jan. 8.
Engine: *See*—
Collapsible wall type expansion engine.
Engine cooling system. C. F. Bachle. 2,581,996, Jan. 8.
Epoxide compositions. J. D. Zech. 2,581,464, Jan. 8.
Esters of alpha-halogen carboxy acids with oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,382, Jan. 8.
Esters of blown hydroxy acetylated ricinoleic acid compounds with oxyalkylated phenol aldehyde resins. M. De Groote and B. Keiser. 2,581,372, Jan. 8.
Esters of certain oxyalkylated phenol-aldehyde resins with polyhydric alcohol-polybasic carboxy acid acyloxy acid esters. M. De Groote and B. Keiser. 2,581,381, Jan. 8.
Esters of drastically oxidized castor oil fatty acids with oxyalkylated phenol aldehyde resins. M. De Groote and B. Keiser. 2,581,379, Jan. 8.
Esters of drastically oxidized dehydrated castor oil fatty acids with oxyalkylated phenol aldehyde resins. M. De Groote and B. Keiser. 2,581,378, Jan. 8.
Esters of hydroxy acetylated blown ricinoleic acid compounds with oxyalkylated phenol aldehyde resins. M. De Groote and B. Keiser. 2,581,373–4, Jan. 8.
Esters of oxyalkylated phenol aldehyde resins with polyhydric alcohol-polybasic carboxy acid-monocarboxy acid esters. M. De Groote and B. Keiser. 2,581,380, Jan. 8.
Esters of sulfo high fatty acids with oxyalkylated phenol aldehyde resins. M. De Groote and B. Keiser. 2,581,375, Jan. 8.
Expansible tube tensilizing apparatus. H. Rosenfeld. 2,582,165, Jan. 8.
Expansion and safety device for hydraulic brake systems. G. C. Goodell, Jr. 2,581,792, Jan. 8.
Explosive rivet gun tip assembly. P. B. Rakowski, Jr. 2,581,815, Jan. 8.
Extension for bed rails. G. Hill. 2,582,035, Jan. 8.
Extracting oxygen compounds from hydrocarbon mixtures. W. Rottig. 2,581,712, Jan. 8.
Extrusion die. M. W. Olson. 2,581,769, Jan. 8.
Fabric and making the same, Decorated flexible. L. Kaphan. 2,582,132, Jan. 8.
Facsimile scanner. C. J. Young. 2,581,616, Jan. 8.
Fan blade and its formation. W. E. Morrison. 2,581,873, Jan. 8.
Fan, Folding. P. R. Francis. 2,581,643, Jan. 8.
Fastener: *See*—
Slide fastener.
Fastener for butt joints. E. Schlueter. 2,581,816, Jan. 8.
Fastening arrangement for skis. G. Windahl. 2,581,824, Jan. 8.
Fastening device. R. A. Hartman and L. H. Flora. 2,581,481, Jan. 8.
Fastening device. E. T. Morton and C. L. Geever. 2,581,692, Jan. 8.
Feeder: *See*—
Poultry feeder.
Feeding device. L. A. Maxson. 2,581,805, Jan. 8.
Filament package and producing same. G. Shaw. 2,581,561, Jan. 8.
Filamentary articles, Manufacture of. A. O. Ryan. 2,581,559, Jan. 8.
Filing appliance. J. H. Talmage and R. W. Finley. 2,581,730, Jan. 8.
Filling mechanism for automatic weighing machinery. W. E. Smith. 2,581,562, Jan. 8.
Filter: *See*—
Oil filter.
Finishing gears. W. S. Praeg. 2,581,701, Jan. 8.
Fire extinguisher. V. E. Ferguson. 2,582,112, Jan. 8.
Fireproofing compositions containing water-insoluble phosphorylamides, and articles fireproofed therewith. J. Truhlar and A. A. Pantsios. 2,582,181, Jan. 8.
Fish grading apparatus. A. L. Christiansen. 2,582,007, Jan. 8.
Fishing hook guard. G. Wineinger. 2,582,090, Jan. 8.
Fishing lure for use in connection with haul seine systems. T. P. Duncan, Jr. 2,582,015, Jan. 8.
Fishing plug with guarded hook. T. A. Herkenham. 2,581,485, Jan. 8.
Flammable gas detector. C. M. Page. 2,581,812, Jan. 8.
Flatiron having a retractable support. A. G. Swenson. 2,582,082, Jan. 8.
Flexible mattress support. Z. Szulce. 2,581,611, Jan. 8.
Flow control device. H. L. Blum. 2,581,748, Jan. 8.
Flowmeter, Fluid. D. H. Greene. 2,581,588, Jan. 8.
Fluid control apparatus. R. M. Witt. 2,582,091, Jan. 8.
Fluorescent lamp. A. F. Koehler. 2,581,959, Jan. 8.
Foaming apparatus. G. A. Spencer. 2,581,918, Jan. 8.
Focusing and centering device for cathode ray tubes. M. R. Heppner. 2,581,657, Jan. 8.
Folding device for carriages, applicable in particular to perambulators. P. Ollagnon. 2,582,152, Jan. 8.
Folding metallic case. D. Cohen and E. Schreiner. 2,582,189, Jan. 8.
Formation of terpene aryl ethers. L. J. Kitchen. 2,581,916, Jan. 8.
Forming fin vibration damper. P. N. Elliott. 2,581,845, Jan. 8.
Forming side seams in metal can bodies. F. L. Chase, Jr. and H. G. Maeder, Jr. 2,581,751, Jan. 8.
Frame: *See*—
Picture frame.
Freeing and ejecting die castings formed on cores. O. Gries and L. H. Morin. 2,581,854, Jan. 8.
Friction elements. F. J. Groten and R. J. Reid. 2,581,926, Jan. 8.
Friction shock absorber for railway car truck springs. G. E. Dath. 2,581,520, Jan. 8.
Friction shock absorber for railway car trucks. E. H. Lehman. 2,581,543, Jan. 8.
Friction shock absorbing mechanism for railway car trucks. S. B. Haseltine. 2,581,531, Jan. 8.
Fuel burning air heater. A. R. Collins, F. A. Ryder, and R. D. Randall. 2,581,942, Jan. 8.
Furnace: *See*—
Suspended air-heating furnace.
Furnace wall structure. H. W. Weber. 2,581,989, Jan. 8.
Fused drop-out cutouts. D. C. Hubbard and W. L. Hollander. 2,581,954, Jan. 8.
Garment checking bag. H. R. Lefebvre. 2,581,675, Jan. 8.
Garment, Form constricting and molding. I. Rosner. 2,582,166, Jan. 8.
Garment hanger. D. L. Carta. 2,581,631, Jan. 8.
Gas blast circuit breaker having parallel connected impedance. H. Thommen and H. Meyer. 2,581,822, Jan. 8.
Gas cleaning. P. H. Karlsson. 2,582,133, Jan. 8.
Gas piston operated firearm. J. A. Elfstrom. 2,581,395, Jan. 8.
Gas turbine power plant with tank supplied by long conduit having volume over six times that of the intermittent combustion gas generator. M. Kadenacy. 2,581,669, Jan. 8.
Gasoline economizer valve. L. Gaddoni. 2,581,478, Jan. 8.
Gate: *See*—
Removable gate.
Gate structure. B. W. Haskett. 2,582,122, Jan. 8.
Gauge: *See*—
Combination offset and straight internal bore gauge.
Electronic bore gauge.
Gauge for ballast tanks, Liquid level. J. N. Matthews. 2,581,427, Jan. 8.
Gear for swinging axles, Fluid power steering. F. P. Martin. 2,582,142, Jan. 8.
Gear shift for toy steering wheels. L. Solomon. 2,581,976, Jan. 8.
Generator: *See*—
Acetylene generator. Vapor generator.
Electric pulse generator.
Saw tooth voltage generator.
Geophysical exploration. G. Herzog. 2,581,412, Jan. 8.
Glass cutting apparatus. T. Solum and H. C. Franson. 2,582,078, Jan. 8.
Glass to metal seal and glass composition. J. E. Duncan and J. J. Smith. 2,581,639, Jan. 8.
Glutamyl histidine, Preparation of. A. A. Plentl. 2,581,814, Jan. 8.
Golf game. E. E. Williams. 2,581,738, Jan. 8.
Gravity operated closure with means to form an opening in a container. H. C. Allen. 2,581,897, Jan. 8.
Grid structure for electron discharge devices. W. N. Parker. 2,581,876, Jan. 8.
Guide bearing and shaft. R. J. Terrey. 2,582,084, Jan. 8.
Guide device for portable power saws. E. R. McConnell. 2,581,766, Jan. 8.
Gyroprocessing means. A. W. Fischer and A. D. McDuffie. 2,581,476, Jan. 8.
Gyrostatic stabilizer. H. Eriksson. 2,581,846, Jan. 8.
Haircutting method. R. R. Reno. 2,581,704, Jan. 8.
Hammock stand. C. F. Benjamin. 2,581,623, Jan. 8.
Hand loom. T. H. Clack. 2,582,008, Jan. 8.
Hand metal stamping tool. C. A. Royer. 2,581,715, Jan. 8.
Hand propelled vehicle. H. F. Bloomstran. 2,582,000, Jan. 8.
Hanger: *See*—
Garment hanger.
Hanger clamping mechanism, Garment. G. M. Lane. 2,581,800, Jan. 8.
Harpoon cannon. J. B. Balliano and J. R. Grigg. 2,581,758, Jan. 8.
Hatbox. G. R. Roos. 2,581,710, Jan. 8.
Hay-shocking apparatus. R. A. Jamieson. 2,581,486, Jan. 8.
Headrest. A. J. Lyons. 2,581,802, Jan. 8.
Heat setting and temperature indication in flatirons. F. E. Finlayson. 2,582,024, Jan. 8.
Heater: *See*—
Fuel burning air heater.
Heater for fluids, Indirect. G. O. Kimmell and H. L. Chenault. 2,582,134, Jan. 8.
Heater with window-accommodated air duct and flue, Wall-mounted combustion space. M. Resek. 2,582,066, Jan. 8.
Heating and cooling air conditioning system. W. G. Zimmerman. 2,581,744, Jan. 8.
Hemispherical combustion chamber end dome having cooling air deflecting means. W. L. Blatz. 2,581,999, Jan. 8.
Herbicide. E. E. Gilbert. 2,581,852, Jan. 8.

Heterocyclic quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,383, Jan. 8.

Heterogeneous, basic hydrolysis of carboxylic acid esters of polyvinyl alcohol with quaternary ammonium bases. R. C. Blume. 2,581,832, Jan. 8.

High-boiling esters as solvents for polychlorotrifluoroethylene. M. M. Sprung. 2,581,453, Jan. 8.

High-frequency electron discharge device. D. R. Hamilton. 2,581,408, Jan. 8.

High-frequency modulator apparatus. E. L. Ginzton. 2,581,404, Jan. 8.

High-frequency relay. P. M. G. Toulon. 2,581,984 Jan. 8.

High molal amine quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,386–7, Jan. 8.

High-speed machining of ferrous materials. T. S. See. 2,581,449, Jan. 8.

Hoist jack. F. W. Cotting. 2,581,577, Jan. 8.

Hoisting apparatus. L. L. Eakin. 2,582,111, Jan. 8.

Holder: *See*—
- Cigarette holder.
- Rod holder.
- Toilet paper holder.
- Toothbrush holder.

Holder and post therefore, Sign. F. Hesse. 2,581,762, Jan. 8.

Hole digging attachment for tractors. H. F. Jackson. 2,581,535, Jan. 8.

Honing tool. D. T. Peden and J. E. Kline. 2,581,601, Jan. 8.

Hood gathering means. J. De Grazia. 2,581,366, Jan. 8.

Hydraulic dimpling unit. W. J. Hoffman. 2,581,659, Jan. 8.

Hydroxy acetic acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,371, Jan. 8.

Hydroxy acids esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,388, Jan. 8.

Image transmission system. D. Kiels and M. V. Tol. 2,582,135, Jan. 8.

Impeller mounting. B. H. Brown. 2,581,834, Jan. 8.

Implement, Agricultural. J. L. Hipple. 2,581,533, Jan. 8.

Implement, Earth handling. R. R. Harmon and J. T. Michie. 2,582,032, Jan. 8.

Implement for applying spread to foodstuffs, Culinary. V. A. Amorino and L. C. Bizzarro. 2,581,745, Jan. 8.

Implement mount for tractors, Front end. I. W. Terry. 2,581,731, Jan. 8.

Impregnation of absorbent material. W. A. McMillan. 2,581,685, Jan. 8.

Improved method for polymerizing vinyl acetate in tertiary butyl alcohol. L. M. Minsk and E. W. Taylor. 2,582,055, Jan. 8.

Industrial and papermaker's felt. P. T. Gates. 2,581,790, Jan. 8.

Ink roller vibrator. H. L. McWhorter. 2,581,687, Jan. 8.

Inking ribbon for typewriters and the like. V. Flax. 2,581,585, Jan. 8.

Inner tube tester. W. A. Bishman. 2,581,998, Jan. 8.

Insect repellent. N. L. Drake and C. M. Eaker. 2,581,840–2, Jan. 8.

Inside and outside calipers, height and depth gauge, with dial indicator. W. J. Duesler. 2,581,946, Jan. 8.

Installing propeller shaft struts. A. E. Kammritz. 2,582,040, Jan. 8.

Instrument, Drawing. G. T. Douglas. 2,581,839, Jan. 8.

Instrument, Extension beam drafting. J. F. Joy. 2,581,538, Jan. 8.

Instrument, Marking. W. M. Hungerford. 2,581,534, Jan. 8.

Insulation. J. S. Johnson and E. L. Schulman. 2,581,862, Jan. 8.

Integrated gasification electrochemical system. E. Gorin. 2,581,651, Jan. 8.

Intraoral tracer and balancer for dentures. L. G. Coble. 2,582,104, Jan. 8.

Invoice assembly for service items. G. C. Wilson. 2,581,895, Jan. 8.

Isobornyl aryl ethers. L. J. Kitchen. 2,581,917, Jan. 8.

Isoparaffin-olefin and aromatic-olefin alkylation process, Combination. H. H. Lee. 2,582,047, Jan. 8.

Isotope separation. G. W. Penney. 2,581,813, Jan. 8.

Jack: *See*—
- Hoist jack.
- Self-leveling and stabilizing jack.

Jamb. F. J. Bursik. 2,581,750, Jan. 8.

Jet pasting of starch. O. R. Etheridge. 2,582198, Jan. 8.

Jet pump. L. L. Rose. 2,582,069, Jan. 8.

Joint for sheet piles. A. Schaack. 2,581,717, Jan. 8.

Joint lubricant and sealing composition. G. M. Hain. 2,581,407, Jan. 8.

Jointer. J. N. Fenner. 2,581,475, Jan. 8.

Key hanger support for key cases. R. P. Harvey. 2,582,033, Jan. 8.

Lamp: *See*—
- Fluorescent lamp.

Lamp unit, Tubular electric discharge. E. Mann. 2,581,546, Jan. 8.

Land leveler. S. Keim. 2,581,672, Jan. 8.

Lantern, Signal. V. B. and A. K. C. A. B. Madsen. 2,581,803, Jan. 8.

Latch construction, Door. D. J. Seaman and A. E. Wood. 2,581,606, Jan. 8.

Latch for automobile doors, Safety. L. Santosuosso. 2,582,167, Jan. 8.

Latching means for handbag frames. W. L. Strauss. 2,581,729, Jan. 8.

Lavatory apparatus for railway cars, Pivoted. J. E. Candlin, Jr. 2,582,003, Jan. 8.

Lifter: *See*—
- Pry type cap lifter.

Lighter. S. B. Goldman and R. H. Krueger. 2,582,028, Jan. 8.

Lint collector for circular looms. V. M. J. Ancet. 2,582,092, Jan. 8.

Liquid dispensing roller. E. M. King. 2,581,674, Jan. 8.

Liquid level control device. W. A. Biermann and J. T. Dulak. 2,581,901, Jan. 8.

Load transmitting means for dynamometers. M. N. Weber. 2,581,990, Jan. 8.

Loading mechanism for pneumatic guns. W. S. Wells. 2,581,505, Jan. 8.

Locating well fluid loss, Method and apparatus for. M. B. Standing, H. S. Yaplee, and M. Macaulay. 2,581,979, Jan. 8.

Lock: *See*—
- Door lock.

Lock for die casting and other machines, Piston. F. Halward. 2,582,030, Jan. 8.

Lock for trolley wheels. C. G. Flounders. 2,581,948, Jan. 8.

Locking thread structure. W. Moehle and W. Moehle, Jr. 2,581,690, Jan. 8.

Logging tongs. S. Kramer. 2,581,799, Jan. 8.

Longitudinal and transversal bulkheads in ships. D. Tom-Petersen. 2,581,890, Jan. 8.

Loom: *See*—
- Hand loom.

Loom shuttle. R. J. Messler. 2,581,494, Jan. 8.

Loop retainer, Readily releasable. J. R. Ayers. 2,582,093, Jan. 8.

Lubricating arrangement for machines and mechanisms. B. Smith. 2,582,172, Jan. 8.

Luggage carrier having projectable and retractable supporting rollers. W. C. Jones. 2,581,417, Jan. 8.

Machine for casting hollow articles. G. C. Kohl. 2,581,418, Jan. 8.

Machine for cutting match splints or the like. P. W. Dietmann. 2,581,786, Jan. 8.

Machine for making spring dowel pins. H. Peters and E. J. Hasslke. 2,582,062, Jan. 8.

Machine for operating on blanks. A. L. Currier. 2,582,012, Jan. 8.

Machine tool drive. G. E. Marx. 2,581,804, Jan. 8.

Magnesium, Production of. F. J. Hansgirg. 2,582,119, Jan. 8.

Magnesium, Production of. F. J. Hansgirg. 2,582,120, Jan. 8.

Magnetic sound record. T. H. and T. G. Mann. 2,581,765, Jan. 8.

Maintaining liquid level in heat-exchange apparatus. C. M. Ashley. 2,581,466, Jan. 8.

Making acoustical tile. G. S. Willey and O. W. Frost. 2,581,993, Jan. 8.

Making midsole-outsole assemblies for shoes. G. C. Ford. 2,581,524, Jan. 8.

Making short pins. A. F. Zitzewitz. 2,582,063, Jan. 8.

Making structural elements, Method and apparatus for. N. A. Lombard and T. L. Taggart. 2,581,421, Jan. 8.

Manicuring device. L. G. Terry. 2,581,982, Jan. 8.

Manufacture of leakproof inner tubes. W. J. Mileski. 2,581,767, Jan. 8.

Manufacturing highly resilient corrugated tubes. A. Dreyer. 2,581,787, Jan. 8.

Marker-controlled selector system. F. P. Goborel and G. J. M. Penet. 2,581,405, Jan. 8.

Mass spectrometer apparatus. A. O. C. Nier. 2,582,150, Jan. 8.

Mast. E. A. Black. 2,581,351, Jan. 8.

Match book dispenser. W. L. Pedersen. 2,582,155, Jan. 8.

Material handling machine. A. Y. Crowley, Jr. and F. C. Newton, Jr. 2,582,106, Jan. 8.

Material loading apparatus. R. C. Osgood. 2,581,437, Jan. 8.

Measuring and reporting variables of electric and electromechanical systems. E. Bennett. 2,581,831, Jan. 8.

Measuring the thickness of nonconducting coatings or films, Method of and apparatus for. J. E. Dinger. 2,581,394, Jan. 8.

Mechanism for automatically positioning a member in a series of predetermined positions. J. McFarlane. 2,581,548, Jan. 8.

Metal nitrates, Manufacture of. T. Critchley. 2,581,519, Jan. 8.

Metal piercing and cutting shears. K. W. Nebel. 2,581,694, Jan. 8.

Metallic and fabric awning structure, Combined. I. P. Smith. 2,581,726, Jan. 8.

Metallic coated article, Strongly adherent. W. H. Colbert, A. R. Weingrich, and W. L. Morgan. 2,581,632, Jan. 8.

Metering fuel pump. W. E. Leibing. 2,581,764, Jan. 8.

Methylation of curare. M. D. Bray. 2,581,903, Jan. 8.

Milking machine trap. W. H. Harstick. 2,581,530, Jan. 8.

Mill roll stand. L. W. Roselius. 2,581,711, Jan. 8.

Mining apparatus. J. F. Joy. 2,581,667, Jan. 8.

Mirror and retractor, Dental. H. S. Harvey. 2,582,121, Jan. 8.

Mixing pump. M. B. Sennet. 2,581,451, Jan. 8.

Mold: *See*—
- Protective cap mold.

Mold for electronic vulcanization. H. H. Deist and F. H. Mason. 2,581,939, Jan. 8.

Mold part and fastening means. J. E. Feldman and W. M. Martin. 2,582,022, Jan. 8.

Molding machine, Concrete. N. B. Randall. 2,582,161, Jan. 8.

Molding machine, Concrete products. R. O. Davis. 2,581,579, Jan. 8.

Molding machine, Extrusion. C. C. Misfeldt. 2,581,550, Jan. 8.

Motion-picture sensitometry. J. G. Capstaff. 2,582,004, Jan. 8.

Motion transmission system. T. O. McCarthy. 2,581,436, Jan. 8.

Motor: *See*—
- Panoramic camera spring motor.
- Sewing machine motor.

Motor compressor, Free piston. R. Pateras Pescara. 2,581,600, Jan. 8.

Mounting: *See*—
- Impeller mounting.
- Quick-change sizer counter switch mounting.

Mouse and rattrap with improved bait holder. E. L. Burwell. 2,581,628, Jan. 8.

Movement for animated toys. E. Fields. 2,581,584, Jan. 8.

Moving picture projection device. H. de France. 2,582,013, Jan. 8.

Mower and windrower. H. R. Dean. 2,582,108, Jan. 8.

Mowing machine. T. P. McCloskey, Jr. 2,582,051, Jan. 8.

Multiple conductor insulated wire. R. H. Dudley and C. A. Larson. 2,581,472, Jan. 8.

Multipulse voice-frequency code signaling circuit. E. P. G. Wright and M. den Hertog. 2,581,462, Jan. 8.

Multisegment single cavity magnetron. C. I. Shulman and G. R. Kilgore. 2,581,607, Jan. 8.

N-(5-halo-2-thenyl) substituted ethylenediamines. L. P. Kyrides. 2,581,869, Jan. 8.

N-mono-substituted sulfenamides, Producing. G. Alliger. 2,581,921, Jan. 8.

N-substituted nitrogen heterocyclic bases, Preparation of. D. D. Reynolds and W. O. Kenyon. 2,581,443, Jan. 8.

N-(2-thenyl)-substituted ethylene diamines. L. P. Kyrides. 2,581,868, Jan. 8.

Necktie rack. A. J. Hort. 2,582,127, Jan. 8.

Neddle, Atraumatic surgical. J. Villegas. 2,581,564, Jan. 8.

Needle, Rug making. C. B. Wilson. 2,581,894, Jan. 8.

Neutron-absorbing borate glass. K. Sun and T. E. Callear. 2,582,081, Jan. 8.

Night depository theftproof closure construction. H. C. Behrens and H. C. Badenell. 2,581,621, Jan. 8.

Nondiscoloring stabilized vinyl chloride resin compositions. S. M. Kinzinger. 2,581,908, Jan. 8.

Nut. H. L. Forgaard. 2,581,641, Jan. 8.

Obtaining magnesia from magnesia-containing rock. R. A. Schoenlaub. 2,581,719, Jan. 8.

Oil burner safety control system. L. L. Cunningham and A. L. Judson. 2,581,636, Jan. 8.

Oil filter. J. V. Lapik. 2,581,337, Jan. 8.

1,1-dichlorobutadiene-1,3, its preparation and polymers. G. Crane and K. C. Eberly. 2,581,925, Jan. 8.

Opener and dispenser, Combined can. T. E. O'Casey. 2,581,768, Jan. 8.

Operating internal-combustion engines on composite mixtures of diesel fuel oil and gasoline, Method and apparatus for. L. D. Thompson. 2,581,458, Jan. 8.

Optical aiming device for indirect artillery fire. L. H. Brown. 2,581,355, Jan. 8.

Oxidation of nitrogen oxide fumes. T. Critchley. 2,581,518, Jan. 8.

Oxyalkylated derivatives of certain solvent soluble phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,367, Jan. 8.

Oxyalkylated hydroxy acetic acid-esterified oxyalkylated phenol aldehyde resins. M. De Groote and B. Keiser. 2,581,370, Jan. 8.

Oxyethylated hydrophile derivatives of certain fractional esters of triricinolein. M. De Groote and B. Keiser. 2,581,369, Jan. 8.

Packing ring. O. Simmer. 2,581,817, Jan. 8.

Pad: *See*—
- Buffer backing pad.

Palm tree pruner. C. W. Grasham. 2,581,479, Jan. 8.

Panoramic camera spring motor. L. J. Combe. 2,581,633, Jan. 8.

Panty, Diaper. F. Burns. 2,581,904, Jan. 8.

Paper, Manifolding. D. A. Newman. 2,582,149, Jan. 8.

Parachute. H. J. Moran. 2,581,808, Jan. 8.

Parachute unfastener. L. A. V. Rozas. 2,581,557, Jan. 8.

Parallel panes. C. W. Johnson. 2,581,666, Jan. 8.

Parking lot way control. F. P. Dunn. 2,581,788, Jan. 8.

Party line identification dial. L. B. Mitchell. 2,581,689, Jan. 8.

Paster and hold-down means for labeling machines. F. Elsner. 2,582,019, Jan. 8.

Peach pitting head. W. de Back and F. H. Luhdorff. 2,582,785, Jan. 8.

Pear feeding and orienting apparatus. B. C. Coons. 2,581,634, Jan. 8.

Pebble heater chamber design. R. R. Goins. 2,582,116, Jan. 8.

Pedal propelled driving mechanism for bicycles and the like. W. J. Patterson. 2,581,877, Jan. 8.

Pen, Fountain. R. T. Wing. 2,581,739–40, Jan. 8.

Phase and frequency modulation. G. C. Ahler and P. Buffet. 2,581,780, Jan. 8.

Phenol-aldehyde-amine anion exchange resin. D. G. Braithwaite and J. S. D'Amico. 2,582,098, Jan. 8.

Phenoxyethyl - dimethyl - dodecyl-ammonium halides. M. Hartmann and W. Bosshard. 2,581,336, Jan. 8.

Phonograph, Automatic. E. F. Andrews. 2,581,345, Jan. 8.

Phonograph pickup, Magnetic. D. J. Baker. 2,581,511, Jan. 8.

Phosphate detergent composition in homogeneous liquid form. S. Machlis and E. B. Michaels. 2,581,677, Jan. 8.

Photoelectric plotting densitometer. S. L. Scudder. 2,582,073, Jan. 8.

Photographic print making machine. W. Bornemann and D. J. Albert. 2,582,001, Jan. 8.

Picture frame. F. J. Edwards. 2,581,843, Jan. 8.

Picture frame. H. Trask. 2,581,733, Jan. 8.

Pipe line cradle. L. Perrault. 2,581,971, Jan. 8.

Planing device. C. H. Somerset. 2,581,818, Jan. 8.

Pliers for bending connecting clips about wire members. G. W. Mount. 2,582,056, Jan. 8.

Pliers for spark plug electrodes. A. M. Pentland. 2,581,439, Jan. 8.

Plug: *See*—
- Self-sealing test plug.

Plural stage cooling machine. M. S. W. Ruhemann. 2,581,558, Jan. 8.

Pole-stripping machine. M. T. Alexander. 2,581,829, Jan. 8.

Position indicating system. P. J. Herbst. 2,581,589, Jan. 8.

Posture attachment for chairs. J. E. Goodeve. 2,582,115, Jan. 8.

Poult feed saver. M. J. Luse. 2,581,422, Jan. 8.

Poultry feeder. M. L. Smallegan. 2,581,725, Jan. 8.

Poultry roost, Individual. A. J. Bergeron. 2,582,095, Jan. 8.

Power supply means for percussor apparatus. R. C. McShirley. 2,581,806, Jan. 8.

Power transmission. P. T. Nims. 2,581,596, Jan. 8.

Powering vehicles. G. M. Myrmirides. 2,581,551, Jan. 8.

Predetermining counter with resetting controlled switch closing means. J. B. Hoye. 2,581,859, Jan. 8.

Preparation of toasted nut meats. J. A. Zaloom. 2,582,188, Jan. 8.

Preparing duplicate plastic-backed printing plates. R. M. Schaffert and M. F. Browning. 2,581,718, Jan. 8.

Press for metal stamping. A. K. Nowak. 2,581,434, Jan. 8.

Press with mechanical drive having harmonic motion and hydraulic transmission. A. K. Nowak. 2,581,435, Jan. 8.

Presser foot for sewing machines. J. L. Rockerath. 2,581,603, Jan. 8.

Pressure cooker cover support. M. J. Zimmer. 2,581,995, Jan. 8.

Pressure vacuum relief radiator cap. L. J. Smith and D. Friend. 2,582,209, Jan. 8.

Prevention of corrosion in aqueous systems. A. L. Jacoby. 2,582,129, Jan. 8.

Printing machine for duplicating indicia. W. H. Wolowitz. 2,582,187, Jan. 8.

Process in pretreating vegetables and fruits before freezing. O. Helgerud. 2,581,484, Jan. 8.

Producing valve stems, Method and apparatus for. H. F. Stone and H. L. Gibson. 2,581,774, Jan. 8.

Projection optical measuring device for machine tools. F. W. Turrettini. 2,581,823, Jan. 8.

Propeller blade. G. L. Dakin. 2,582,107, Jan. 8.

Propeller fan blade retaining construction. W. E. Morrison. 2,581,872, Jan. 8.

Protective cap mold. A. L. Cruise. 2,581,837, Jan. 8.

Pruning saw jointer. W. W. Brown. 2,582,101, Jan. 8.

Pry type cap lifter. P. Palmer. 2,581,875, Jan. 8.

Pulping process. J. B. M. Michon. 2,582,054, Jan. 8.

Pump: *See*—
- Centrifugal pump.
- Jet pump.
- Metering fuel pump.
- Mixing pump.

Pump. H. E. Adams. 2,581,828, Jan. 8.

Punching machine M. M. and H. M. Balsam. 2,582,094, Jan. 8.

Purification of distilled coke-oven benzene by distillation with added hydrocarbon material. J. R. Anderson. 2,581,344, Jan. 8.

Purification of mercaptans. J. P. Lyon, Jr., and A. A. Harban. 2,581,493, Jan. 8.
Pyrimidopyrazines, Preparing. G. M. Timmis. 2,581,889, Jan. 8.
Quaternary ammonium derivatives of chloroxy propylated oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,392, Jan. 8.
Quaternary ammonium glyoxalidine derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,385, Jan. 8.
Quick-attaching traction device. S. M. Dowdell and I. L. Giovanella. 2,582,193, Jan. 8.
Quick-change sizer counter switch mounting. H. J. Mumma. 2,581,693, Jan. 8.
Rack: *See*—
Necktie rack.
Radiant energy object locating system. L. Espenschied and J. G. Chaffee. 2,581,847, Jan. 8.
Radiographic apparatus. R. J. Nelsen. 2,581,431, Jan. 8.
Railway brake. W. H. Baselt. 2,581,746, Jan. 8.
Railway car. J. E. Candlin, Jr. 2,582,002, Jan. 8.
Railway traffic controlling system. R. F. Wells. 2,582,089, Jan. 8.
Railway train describer. B. E. O'Hagan and P. N. Martin. 2,581,552, Jan. 8.
Rat hole drill. R. E. Craine, Sr. 2,581,362, Jan. 8.
Rate gyroscope. J. C. Miller. 2,581,965, Jan. 8.
Razor, Safety. M. Kaplan. 2,582,041, Jan. 8.
Razor, Safety. R. L. Stover. 2,582,176, Jan. 8.
Reaction of substituted sulfonamides with ketones and use of reaction product in rubber vulcanization. E. L. Carr. 2,581,936, Jan. 8.
Reading stand. E. C. Knops. 2,581,541, Jan. 8.
Receptacle: *See*—
Sectional receptacle.
Receptacle and a hopper extending upwardly therefrom, both forming a stackable unit, Open-stopped. T. Shaw. 2,582,207, Jan. 8.
Receptacle filling mechanism. R. H. Alexander and C. Spicer. 2,581,898, Jan. 8.
Receptacle for disk like objects, Rotary storage. F. K. Martini. 2,581,547, Jan. 8.
Recovering desirable liquefiable hydrocarbons. H. M. Nelly, Jr. 2,582,148, Jan. 8.
Reducing corrosion in wells. H. T. Kennedy and W. F. Rogers. 2,581,540, Jan. 8.
Reducing propeller vibrational effects. M. C. Brady. 2,581,625, Jan. 8.
Reduction gear box. G. H. Schaffer. 2,581,973, Jan. 8.
Reduction of iron ores and the like by carbon. R. Nissim. 2,581,597, Jan. 8.
Reed for electrical musical instruments. R. J. M. C. Langloys. 2,581,963, Jan. 8.
Reel: *See*—
Thread-advancing reel.
Refining of synthetic hydrocarbon mixtures. R. V. Shankland, S. E. Shields, and E. W. Thiele. 2,581,560, Jan. 8.
Reflecting signal glove. C. C. McGaugh. 2,581,549, Jan. 8.
Refrigerated milk delivery vehicles. P. Krohnert. 2,581,867, Jan. 8.
Refrigeration control device. F. M. Jones. 2,581,956, Jan. 8.
Refrigerator cabinet. L. A. Anderson and J. J. Slattery. 2,581,618, Jan. 8.
Refrigerator shelf with guide tracks. N. J. Creedon. 2,581,363, Jan. 8.
Regeneration of fluidized catalyst. L. S. Kassel. 2,581,670, Jan. 8.
Regulator and valve structure thereof, Fluid pressure. F. Meyer, Jr. 2,581,429, Jan. 8.
Remote surplus energy dissipation for wound rotor induction motors. G. Bradford and N. H. Auret. 2,581,749, Jan. 8.
Removable gate. B. M. Harrison. 2,581,857, Jan. 8.
Removing nicotine from tobacco. M. Severi. 2,582,075, Jan. 8.
Resinous products of the reaction of styrene with resins derived from bituminous coals of Utah. E. D. Lee and R. J. Schefbauer, Jr. 2,582,139, Jan. 8.
Resonant gas compressor and method. A. G. Bodine, Jr. 2,581,902, Jan. 8.
Respirator. C. C. Wilm. 2,581,893, Jan. 8.
Resuscitator. H. Seeler. 2,581,450, Jan. 8.
Retort can tray loader. H. A. Young. 2,581,742, Jan. 8.
Riboflavin, Producing. D. A. Legg and S. C. Beesch. 2,581,419, Jan. 8.
Riding saddle with radio receiving apparatus. E. Rovere. 2,581,714, Jan. 8.
Rim and tire assembly. J. W. Waber. 2,581,736, Jan. 8.
Ring: *See*—
Packing ring.
Ring. C. C. Tarter and H. S. Licht. 2,582,083, Jan. 8.
Robot turn controlling device for airplanes. M. Glanoll. 2,581,851, Jan. 8.
Rod holder. L. F. Katter. 2,581,671, Jan. 8.
Roller chain. H. L. Mueller. 2,582,057, Jan. 8.
Roller skating suspension skates. A. E. Murray. 2,581,809, Jan. 8.
Roller-type aggregate compacting device. A. W. Gardner and R. W. Byrne. 2,582,199, Jan. 8.
Rotor for helicopters, Auxiliary. H. S. Campbell. 2,581,923, Jan. 8.
Rubber to metal adhesive comprising dichlorobutadiene resin and a chlorinated elastomer and use thereof. L. B. Kuhn. 2,581,920, Jan. 8.
Rubbery diolefinic polymers containing as anti-oxidant a mixture of antimony oxide and a 2,4,6 trihydrocarbon substituted phenol. G. E. P. Smith, Jr., and H. E. Albert. 2,581,907, Jan. 8.
Safety device. R. L. Simpson. 2,582,171, Jan. 8.
Safety device for motors. A. E. West. 2,581,737, Jan. 8.
Safety gas pilot with draft guard. R. P. Humphrey. 2,581,590, Jan. 8.
Safety guard for presses. E. R. Ferrer. 2,582,023, Jan. 8.
Salvager and soaper, Soap. H. Stitz and M. Morgenstern. 2,582,175, Jan. 8.
Saw-setting machine. H. E. Hull. 2,581,415, Jan. 8.
Saw-tooth voltage generator. D. R. Corson and W. G. Pree. 2,582,190, Jan. 8.
Scanning device for television transmitters. H. G. de France and H. Ernyei. 2,582,014, Jan. 8.
Scouring pad and manufacturing the same. L. C. Abraham. 2,581,779, Jan. 8.
Screen printing machine. L. R. Wade. 2,581,775, Jan. 8.
Screw driver. L. E. Bailey. 2,581,899, Jan. 8.
Seam presser. N. V. Null and H. L. Thompson. 2,582,151, Jan. 8.
Sectional buffing wheel. W. F. Sheppard. 2,582,076, Jan. 8.
Sectional cover for protecting the focusing mechanism of binoculars. N. Kershaw and H. Ryder. 2,581,865, Jan. 8.
Sectional receptacle. L. D. Young. 2,581,778, Jan. 8.
Self-centering chuck. T. Evangelista. 2,581,474, Jan. 8.
Self-leveling and stabilizing jack. H. J. Rimbach. 2,581,706, Jan. 8.
Self-loading device for shaker conveyers. J. Bugos. 2,581,356, Jan. 8.
Self-sealing test plug. S. S. Johns. 2,581,536, Jan. 8.
Self-sealing test plug. O. Maisch. 2,581,537, Jan. 8.
Selvage edge construction in woven elastic fabric. A. Schiappa. 2,582,169, Jan. 8.
Selvage opening means. J. C. Sutton. 2,581,821, Jan. 8.
Separating gases, Method and apparatus for. I. Roberts. 2,582,068, Jan. 8.
Separating waxy and oily materials. J. L. Biles, H. C. Myers, T. A. Petry, and W. H. Cowell. 2,581,573, Jan. 8.
Separation of α-methyl naphthalene from β-methyl naphthalene by azeotropic distillation. J. Feldman and M. Orchin. 2,581,398, Jan. 8.
Separation of individual phenols from a mixture of isomeric, homologous, or other closely related phenols. C. Golumbic and M. Orchin. 2,581,406, Jan. 8.
Sewing machine motor. A. Austlid. 2,581,620, Jan. 8.
Shears, Pinking. H. C. Wheeler. 2,582,184, Jan. 8.
Sheet handling apparatus. C. E. Parker. 2,581,598–9, Jan. 8.
Sheet wood, Manufacturing. W. C. Goss. 2,581,652, Jan. 8.
Shirt board and collar protector, Combination. J. A. O'Reilly. 2,581,696, Jan. 8.
Shoe sole cutting off device. G. L. and G. C. Riecken. 2,581,771, Jan. 8.
Shoe spike. A. G. Merlin. 2,582,053, Jan. 8.
Shoe tree, Adjustable. H. Hauert. 2,581,952, Jan. 8.
Shooting rest. W. E. Leek. 2,582,140, Jan. 8.
Signal: *See*—
Automatic rural mail-box signal.
Signal attachment for flashlights. F. E. Burdick. 2,581,784, Jan. 8.
Signal comparing apparatus. R. A. Lake. 2,581,961, Jan. 8.
Signaling system for single-track railroads. R. B. Annear. 2,581,509, Jan. 8.
Silent pawl and ratchet. F. Glenger. 2,581,648, Jan. 8.
Silica-magnesia bead catalyst, Preparation of. D. G. Braithwaite. 2,582,099, Jan. 8.
Simplified chassis for electronic equipment. D. H. Mitchell. 2,581,967, Jan. 8.
Single-trigger mechanism. G. E. Larsson. 2,581,339, Jan. 8.
Ski. A. G. Hem. 2,581,532, Jan. 8.
Ski lift. S. S. Huntington. 2,582,201, Jan. 8.
Sleeping bag. F. I. Burstein. 2,581,357, Jan. 8.
Slide fastener. B. C. Roehrl. 2,581,604, Jan. 8.
Slipper sock, Retainer-welt. M. Spack. 2,581,728, Jan. 8.
Smoke pipe top. M. H. Wilder. 2,581,992, Jan. 8.
Snap action switch. G. M. Hausler. 2,582,034, Jan. 8.
Snowplow. J. S. Koblas. 2,582,136, Jan. 8.
Sodium silicate compositions, Making. G. R. McDaniel. 2,582,206, Jan. 8.
Soil scarifier. C. C. Baldwin. 2,581,512, Jan. 8.
Soldering flux. B. M. Stright. 2,581,820, Jan. 8.
Solidified nonexplosive hydrocarbon and producing same. R. Raab. 2,581,441, Jan. 8.
Solvent extraction process. C. J. Egan. 2,582,197, Jan. 8.
Sonic tube. G. H. Marmont. 2,582,141, Jan. 8.
Space vector analyzer. M. Stroukoff and J. E. Bartfield. 2,582,080, Jan. 8.
Spark plug connection and seal. K. A. Harden. 2,581,855, Jan. 8.

Spectacle lens layout device. J. H. Line. 2,582,048, Jan. 8.
Speed limiting device. M. L. Mennesson. 2,582,052, Jan. 8.
Speed-varying power transmission assembly. P. B. Reeves. 2,582,067, Jan. 8.
Spinning viscose. N. L. Cox. 2,581,835, Jan. 8.
Spraying device, Wheeled. R. D. Malin and A. C. Stockdale. 2,581,678, Jan. 8.
Spring attachment means. J. D. Haas. 2,581,761, Jan. 8.
Spring construction. E. L. McRoskey. 2,581,686, Jan. 8.
Spring sash balance. P. A. Lustig. 2,581,423, Jan. 8.
Spring set for electromagnetic relays and similar connecting apparatus. A. O. Jörgensen and R. W. Ingre. 2,582,131, Jan. 8.
Spring shock and vibration isolator. J. W. Irby and W. Johannesburg. 2,581,416, Jan. 8.
Spring type clutch. T. R. Smith. 2,582,077, Jan. 8.
Sprinkling device. J. T. Porter. 2,582,158, Jan. 8.
Spun yarns, Production of. W. Whitehead, J. B. Steiding, L. B. Brown, and W. L. Rooney. 2,581,566, Jan. 8.
Stabilization of acrylonitrile-butadiene-1,3 copolymers. H. E. Albert and G. E. P. Smith, Jr. 2,581,909, Jan. 8.
Stabilization of adiponitrile. C. A. Bordner. 2,581,354, Jan. 8.
Stabilization of rubber with a mixture of a phenol sulfide and trivalent antimony oxide. H. E. Albert. 2,581,930, Jan. 8.
Stabilization of rubbers. G. E. P. Smith, Jr., and H. E. Albert. 2,581,924, Jan. 8.
Stabilization of rubbery materials by the use of tin or antimony salts of phenol reaction products. H. E. Albert. 2,581,931, Jan. 8.
Stabilized redox compositions. C. F. Fryling. 2,581,402, Jan. 8.
Stabilized vinyl chloride resin films. M. R. Radcliffe. 2,581,915, Jan. 8.
Stabilizer for rotary wing aircraft. F. A. Erickson. 2,581,396, Jan. 8.
Stabilizing polymers comprising vinyl or vinylidene chlorides. J. E. Costa and O. R. McIntire. 2,581,360, Jan. 8.
Staining slides and staining solutions therefor. A. Ferrari, Jr. 2,581,523, Jan. 8.
Stand: *See*—
Baby bathing stand.
Hammock stand.
Mill roll stand.
Reading stand.
Stannous alkylcatecholates. G. E. P. Smith, Jr. 2,581,940, Jan. 8.
Stannous salts of polyhydroxy aromatic compounds, Making. G. E. P. Smith, Jr. 2,581,913, Jan. 8.
Starch process, Modified. E. Wulkan. 2,581,741, Jan. 8.
Stator and making same. W. L. Carlson. 2,582,005, Jan. 8.
Step assembly, Retractable. R. N. and B. L. Keltner. 2,582,488, Jan. 8.
Stereoscopic and stroboscopic gunnery fire control system. T. D. Tyra. 2,581,459, Jan. 8.
Stitcher for tire-building apparatus. H. D. Stevens. 2,581,933, Jan. 8.
Stoker control apparatus. J. D. Donna. 2,581,522, Jan. 8.
Stop joint for cables. L. L. Phillips. 2,582,064, Jan. 8.
Strap, Clamped hold-down. G. E. Froelich. 2,581,646, Jan. 8.
Stripper mechanism for encapsulating machines. R. E. Moule. 2,581,874, Jan. 8.
Stylus for graphic recording. F. Krahulec. 2,582,043, Jan. 8.
Suction cleaner. D. C. Gerber. 2,581,949, Jan. 8.
Suction cleaner. D. C. Smellie. 2,581,974, Jan. 8.
Suction cleaner with means for automatically removing the dust container. R. C. Lampe. 2,582,046, Jan. 8.
Sulfonamide composition. K. L. Mourer and L. E. Harris. 2,582,147, Jan. 8.
Sundial and nocturnal celestial timepiece. D. Thomson. 2,582,179, Jan. 8.
Support: *See*—
Arch support.
Flexible mattress support.
Pressure cooker cover support.
Torsional support.
Supporting means for vacuum electrodes. C. F. Robinson. 2,581,446, Jan. 8.
Suspended air-heating furnace. W. A. Schultz. 2,582,071, Jan. 8.
Suspended assembly for seats or the like. M. Heller. 2,581,483, Jan. 8.
Suspensions of polymeric chlorotrifluoroethylene. M. M. Sprung. 2,581,454, Jan. 8.
Switch: *See*—
Automatic switch.
Elevator car switch.
Snap action switch.
Switch assembly, Safety. E. W. La Roza. 2,581,338, Jan. 8.
Synchro exciter. C. W. Sherwin. 2,582,208, Jan. 8.
Synthesis of carbinols. P. van 't Spijker and M. 't Hart. 2,581,988, Jan. 8.
Synthesis of styrene oxide. H. R. Frisch. 2,582,114, Jan. 8.
System for controlling flow of electric currents. M. Partiot. 2,581,970, Jan. 8.
Table: *See*—
Calf branding table.
Vertically adjustable table.
Table having folding supports, Ironing. C. Tonn and F. B. Pine. 2,582,180, Jan. 8.
Tape wetting machine. F. F. Deering. 2,581,638, Jan. 8.
Temperature control apparatus. G. T. Gaddis. 2,581,525, Jan. 8.
Temperature measuring device. W. J. B. Jansen. 2,581,796, Jan. 8.
Tension releasing device for sewing machines. E. P. Turner. 2,582,211, Jan. 8.
Testing apparatus. L. J. Cunningham. 2,582,011, Jan. 8.
Tetraalkyl monothiopyrophosphate as an insecticide. G. M. Kosolapoff. 2,582,204, Jan. 8.
Tetrahydrobenzothiazole sulfenamides. G. E. P. Smith, Jr. 2,581,932, Jan. 8.
Thermionic multiplying and measuring circuit. M. A. H. El-Said. 2,582,018, Jan. 8.
Thermostatically operated valve. D. R. Ferris. 2,581,582, Jan. 8.
Thiasuccinic acid derivatives, Production of. W. B. Chilcote. 2,581,514, Jan. 8.
Thienylthio carboxylic acids and thienylthio carboxylic acid esters in lubricating compositions. J. W. Brooks. 2,581,626, Jan. 8.
Thread-advancing reel. S. C. Kershaw. 2,581,866, Jan. 8.
Thread insert for molded or cast material. J. O. Forster. 2,581,399, Jan. 8.
Thumb grip nock. W. D. Ringel. 2,581,884, Jan. 8.
Time-measuring device. W. E. Duncan. 2,582,196, Jan. 8.
Tire removing and replacing machine with a rotatable wheel support. S. Zugaro and F. Pegnani. 2,581,569, Jan. 8.
Toaster, Electric. E. L. Snyder. 2,581,975, Jan. 8.
Toilet paper holder. E. J. Hill. 2,582,036, Jan. 8.
Tone improving means for accordions. M. H. Pakman and A. J. Dellaira. 2,581,553, Jan. 8.
Tool: *See*—
Diamond tool.
Hand metal stamping tool.
Honing tool.
Tool assembly, Diamond. J. Loecy, Jr. 2,581,544, Jan. 8.
Toolholder for lathes, Adjustable. L. J. Suber. 2,581,980, Jan. 8.
Toolmaker's parallel screw clamp. H. W. Spring. 2,581,978, Jan. 8.
Tool slide. C. D. Pulsifer. 2,581,602, Jan. 8.
Tooling articles of leather or the like. J. R. Craighead. 2,581,361, Jan. 8.
Toothbrush holder. G. R. Cedarleaf. 2,582,006, Jan. 8.
Torpedo director. R. M. Freeman. 2,581,401, Jan. 8.
Torsional support. R. W. Brown. 2,581,912, Jan. 8.
Total transfer mechanism. F. O. V. Larsen. 2,581,870, Jan. 8.
Towing apparatus. R. F. Ostrander. 2,582,153, Jan. 8.
Towing hitch. A. J. Boivin. 2,581,833, Jan. 8.
Toy and savings bank, Combination. A. P. Roffee. 2,581,707, Jan. 8.
Toy telephone. H. W. Bessell. 2,582,096, Jan. 8.
Toy track system. E. Fields. 2,581,583, Jan. 8.
Track circuit apparatus. R. M. Gilson. 2,581,527, Jan. 8.
Traction device. H. R. Cruse. 2,581,578, Jan. 8.
Trailer, Telescopic camping. C. R. Rogers. 2,581,556, Jan. 8.
Trammel attachment for tape measures. C. Hilt and J. E. Butterworth. 2,581,858, Jan. 8.
Transformer terminal connector. R. B. Schoonmaker. 2,581,500, Jan. 8.
Transmission dynamometer. C. R. Moore. 2,582,145, Jan. 8.
Trap: *See*—
Milking machine trap.
Tray binder. O. E. Nabholz. 2,582,058, Jan. 8.
Tray, Bobby pin. B. H. Locke. 2,581,592, Jan. 8.
Treatment of oxidized hydrocarbon mixtures and products thereof. C. N. Zellner and F. Lister. 2,581,507–8, Jan. 8.
Treatment of oxidized hydrocarbons. C. N. Zellner. 2,581,506, Jan. 8.
Tress blocker. L. E. Carr. 2,581,513, Jan. 8.
Truck and implement carrier, Combined. L. A. Cooper. 2,581,753, Jan. 8.
Truck, Barrel. B. Carter. 2,582,102, Jan. 8.
Truck, Dump. A. D. L. Hutchinson. 2,581,662, Jan. 8.
Truck, Industrial lift. W. M. Gilman. 2,581,791, Jan. 8.
Tube: *See*—
Color television reproduction tube.
Electric discharge sonic tube.
Tube cutting apparatus. B. E. Frank, J. W. Armstrong, and G. E. Histed. 2,582,025, Jan. 8.
Tubular rail member. W. H. Neely. 2,582,059, Jan. 8.
Tunable velocity modulated electron discharge device. J. M. Lafferty. 2,582,045, Jan. 8.
Tuner. D. H. Mitchell. 2,581,966, Jan. 8.
Turbo-supercharged internal-combustion engine having implosive inlet and explosive exhaust. M. Kadenacy. 2,581,668, Jan. 8.
2-aminopyridine salt of estrone sulfate. D. Beall and G. A. Grant. 2,581,350, Jan. 8.

2-chloro-4-methoxy-5-nitro-toluene and 2-chloro-4-methoxy-5-amino-toluene, Preparation of. B. W. Rottschaefer. 2,581,972, Jan. 8.
Unsaturated acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,390, Jan. 8.
Vacuum cleaner with rotary floating dust brush supported solely from the mid-point. W. O. Langille, H. A. Shumaker, and E. P. Turner. 2,581,962, Jan. 8.
Valve: *See*—
Automatic shut-off dispensing nozzle valve.
Gasoline economizer valve.
Thermostatically operated valve.
Valve. R. C. Griffith. 2,581,855, Jan. 8.
Valve. W. J. Kiene. 2,582,042, Jan. 8.
Valve and associated parts, Fluid pressure control. G. W. Mork and G. Reuter. 2,581,430, Jan. 8.
Valve for faucets, Compound outlet. M. H. Duval. 2,582,110, Jan. 8.
Valve mechanism for controlling flow through ion exchange apparatus. E. Pick. 2,581,878, Jan. 8.
Valve rotating device. R. T. Doughty. 2,581,471, Jan. 8.
Valve rotating device. J. A. Newton. 2,582,060, Jan. 8.
Vapor generator. C. H. Woolley. 2,581,896, Jan. 8.
Variable-speed drive. J. McEwan. 2,581,683, Jan. 8.
Variable-speed transmission. E. M. Rayburn. 2,581,498, Jan. 8.
Vehicle: *See*—
Hand propelled vehicle.
Refrigerated milk delivery vehicle.
Vehicle lifting strut. H. E. Miller. 2,581,688, Jan. 8.
Vehicle suspension. S. B. and D. G. Griswold. 2,581,528, Jan. 8.
Vehicle suspension. L. R. Gruss. 2,581,856, Jan. 8.
Vehicle wheel chock. M. Arrigo. 2,581,619, Jan. 8.
Vending machine, Film. W. S. Falk. 2,581,581, Jan. 8.
Venetian blind. C. S. Ray and C. W. Wrenn. 2,582,162, Jan. 8.
Vertically adjustable table. R. Hicks. 2,581,658, Jan. 8.
Vise-operated rod cutter. G. M. Ernst. 2,582,021, Jan. 8.
Visor apparatus. H. W. Smith and C. C. Jackson. 2,581,610, Jan. 8.
Vulcanizing machine, Electric. A. D. Slatkin. 2,581,608, Jan. 8.
Wall assembly. W. S. Miles. 2,582,144, Jan. 8.
Warning device for an oil well derrick. A. H. Sherwood. 2,581,721, Jan. 8.
Water-soluble combination products of gossypol and proteins. A. M. Altschul and L. E. Castillon. 2,581,342, Jan. 8.
Water-tolerant, heat-convertible, heat- and steam-setting resins for use in inks. K. A. Earhart and A. L. Davis. 2,581,335, Jan. 8.
Wearing apparel, Waist-fitting. A. H. Bubb. 2,581,627, Jan. 8.
Weather strip. S. D. Bradley. 2,581,574, Jan. 8.
Wedge sawing machine. E. L. McCormick. 2,581,682, Jan. 8.
Weighing machine. G. A. Olofsson and L. N. Chubb. 2,681,695, Jan. 8.
Weight per unit length sorting device. W. R. Oyston. 2,581,698, Jan. 8.
Well swab. R. G. Taylor, Jr. 2,581,981, Jan. 8.
Wheel: *See*—
Buffing wheel.
Demountable wheel.
Sectional buffing wheel.
Wheel cover. G. A. Lyon. 2,581,424, Jan. 8.
Wheel finishing machine. E. N. Broden. 2,581,928, Jan. 8.
Wheel for vehicles, Powered caster. M. B. Swisher and G. L. Boothe. 2,582,177, Jan. 8.
Wheel gauging apparatus. T. Carrigan. 2,581,630, Jan. 8.
Wheel section, Contact. W. J. Cosmos. 2,581,754, Jan. 8.
Wheel structure. G. A. Lyon. 2,581,425, Jan. 8.
Wide-angle lens attachment with front element of high index glass. K. Tolle. 2,582,085, Jan. 8.
Wide-range high stability frequency generating system. O. L. MacSorley. 2,581,594, Jan. 8.
Window check rail painter. C. J. Vaughan. 2,581,563, Jan. 8.
Window construction. G. B. Arnold. 2,581,465, Jan. 8.
Window latching device. A. J. Calderwood. 2,581,629, Jan. 8.
Window retaining means. G. C. Weingardt. 2,581,891, Jan. 8.
Window sash construction. J. R. Walker. 2,581,503, Jan. 8.
Window shade. J. and E. North. 2,581,433, Jan. 8.
Window sill, Ventilated. L. Sopinta. 2,581,727, Jan. 8.
Wiper arm apparatus. T. J. Smulski. 2,582,173, Jan. 8.
Wood fiber base material and making the same. E. P. Cox. 2,581,635, Jan. 8.
Wood turning and threading machine. L. Quijada. 2,581,702, Jan. 8.
Zero suppressing means for printing machines. W. T. Gollwitzer. 2,581,649, Jan. 8.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 8, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Condition of Applications Under Examination at Close of Business Dec. 21, 1951

Total number of patent applications awaiting action, 105,875. Date of oldest new application, February 21, 1951; date of oldest amended application, February 23, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	2-26-51	2-23-51	2236
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	6-4-51	5-17-51	1071
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	5-4-51	5-3-51	1612
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	3-3-51	3-1-51	1984
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	5-3-51	5-1-51	1226
6. SURLE, H., Carbon Chemistry (part)	4-5-51	4-9-51	1970
7. GONSALVES, J. E., Optics; Photography (part)	4-27-51	4-18-51	1289
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	3-13-51	3-14-51	1823
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	3-3-51	3-3-51	1585
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-Electric Crystals.	3-1-51	3-2-51	1143
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	4-4-51	3-26-51	1055
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-28-51	3-9-51	1051
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	2-26-51	3-7-51	1241
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	3-12-50	3-8-50	1654
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	5-9-51	5-8-51	1257
16. LOVEWELL, N. N., Television, Telephony	3-5-51	2-24-51	1249
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	3-2-51	3-2-51	1833
18. KURZ, J. A., Power Plants; Speed Responsive Devices	3-2-51	2-28-51	1497
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	2-28-51	2-28-51	1167
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	3-15-51	3-15-51	1457
21. MADER, R. C., Textiles	2-28-51	2-23-51	1460
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	3-9-51	3-5-51	1288
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	2-23-51	2-24-51	864
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	5-1-51	4-26-51	1617
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	4-19-51	4-6-51	1341
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	3-1-51	2-26-51	1220
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	2-28-51	2-23-51	1894
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	3-2-51	3-2-51	1503
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	3-5-51	3-2-51	1473
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	4-27-51	4-27-51	1540
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-19-51	4-13-51	2021
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	3-27-51	3-20-51	1338
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	3-16-51	3-13-51	2169
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	3-22-51	3-22-51	1312
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	3-1-51	3-1-51	1621
36. McFADYEN, A. D., Measuring and Testing	2-21-51	2-23-51	1370
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	4-23-51	4-14-51	1222
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	3-31-51	3-3-51	1487
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	4-14-51	4-14-51	2192
40. DRUMMOND, E. J., Receptacles (part); Packages	3-12-51	3-26-51	2522
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	3-3-51	3-1-51	1230

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 105,875. Date of oldest new application, February 21, 1951; date of oldest amended application, February 23, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	3-26-51	3-19-51	1329
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	4-19-51	5-5-51	1194
44. HARVEY, L. P., Beds; Chairs, Seats	3-16-51	3-8-51	1456
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	2-28-51	3-1-51	1520
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	3-30-51	3-26-51	986
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	3-13-51	3-12-51	1476
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	3-27-51	3-13-51	1539
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	3-12-51	3-6-51	1678
50. LEVIN, S., Synthetic Resins	6-11-51	6-1-51	1601
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	2-27-51	2-24-51	1103
52. WHITNEY, F. L., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	3-1-51	3-1-51	2230
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	4-26-51	4-4-51	1126
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	3-19-51	3-21-51	1656
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	4-5-51	4-18-51	1167
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	4-11-51	4-11-51	1722
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	4-6-51	4-7-51	1830
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	3-29-51	3-16-51	1250
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	3-16-51	3-14-51	1237
60. LEVY, M. L., Electricity—Heating, Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	3-20-51	3-24-51	1099
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-13-51	3-23-51	1359
62. SHAPIRO, A., Games; Toys, Amusements and Exercising Devices; Mechanical Guns and Projectors	3-21-51	3-9-51	1415
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages, Carbon Chemistry (part)	4-10-51	4-2-51	1786
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	5-10-51	5-11-51	1826
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	4-2-51	4-2-51	1430
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	3-2-51	2-27-51	1109
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	3-27-51	3-26-51	1282
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	2-28-51	3-2-51	1780
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	3-1-51	3-2-51	1364
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making, Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	2-23-51	2-27-51	1609
DESIGNS. A. BREHM, G. L., Industrial Arts	8-3-51	8-16-51	970
DESIGNS. B. GRAY, M. A., Household, Personal and Fine Arts	7-13-51	8-16-51	662

Total number of trade-mark applications awaiting action (including renewals and republications), 15,677. Date of oldest new application, May 25, 1951; date of oldest amended application, May 22, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	5-25-51	5-22-51	4903
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	6-27-51	6-27-51	3120
Renewals (All Classes)	10-12-51	11-15-51	603
Republications (All Classes)	11-1-51	11-15-51	305
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	6-1-51	6-1-51	3728
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	6-21-51	6-4-51	3018

DECISIONS IN PATENT AND TRADE-MARK CASES

United States Court of Appeals
District of Columbia Circuit

FLORENCE M. FORD, ANNE E. HALL, EXECUTRIX OF THE ESTATE OF WILLIAM P. HALL, DECEASED, AND JOSEPH BANCROFT & SONS CO., APPELLANTS,

v.

JOHN A. MARZALL, COMMISSIONER OF PATENTS, APPELLEE

No. 10,905. Decided December 6, 1951

[— F.2d —; 91 USPQ 315]

1. CLAIMS—DEPENDENT—BASIC CLAIM CONSIDERED SEPARATELY.

Where a dependent claim includes the feature urged as novel, *Held* that the basic claim, which does not embrace the novel step, must stand or fall without reliance on the step separately described in the dependent claim.

2. PATENTABILITY—INVENTION—DIFFERENCE IN PRODUCT MUST BE SUBSTANTIAL.

Held that the teaching of a claim is hardly patentable where the prior art disclosures are similar and the applicant's witness testified that the difference in the final product brought about by the applicant's process was but slight.

3. CLAIMS — CONSTRUCTION — BASIS OF IMPROVEMENT MUST BE ELUCIDATED.

Assuming that the applicant's process differs from the prior art and brings about an improved product, the difficulty remains that the basis of the improvement and the means of producing it are not elucidated in the claim, when read against the prior art.

4. PATENTABILITY—PARTICULAR SUBJECT MATTER—PROCESS OF MAKING LUSTROUS FABRICS.

The judgment of the district court, holding certain claims to a process for making lustrous fabrics unpatentable over the prior art, is affirmed.

APPEAL from the United States District Court for the District of Columbia.

AFFIRMED.

Harvey L. Lechner (*C. Willard Hayes* and *William M. Cushman* of counsel) for appellants.

E. L. Reynolds (*Joseph Schimmel* of counsel) for appellee.

Before CLARK, WILBUR K. MILLER and WASHINGTON, *Circuit Judges*

PER CURIAM:

This is a suit to obtain a patent under R. S. 4915 (35 U. S. C. 63), covering a process for making chintz and other lustrous fabrics. The principal claim in the patent application reads as follows:

"22. The process of imparting durable lustrous mechanical effects to cellulose and regenerated cellulose fibers and fabric, which comprises sizing the material with a water solution containing a polysaccharide carbohydrate and an aldehyde selected from the group consisting of formaldehyde, paraformaldehyde, glyoxal and acetaldol, drying the material to dampness, imparting a lustrous mechanical finish to the material by a pressure mechanical finishing machine, and curing the treated material by heating the material to from substantially 280° F. to substantially 400° F."

In refusing a patent to appellants, the Patent Office relied on the disclosures of the prior art, chiefly as reflected in patents granted to Horst et al., No. 2,099,765, on November 23, 1937, and to Lippert, No. 2,148,316, on February 21, 1939. The district court upheld the action of the Patent Office. We have not been persuaded of the incorrectness of these determinations. Claim 22, as quoted, can fairly be read on the two patents mentioned, taken collectively if not individually; Horst and Lippert both teach the composition of a water sizing solution in formulas closely similar to appellants', and Lippert further teaches the drying, finishing and curing of the treated fabric. [1] The distinction now urged upon us by appellants is that their process involves the use of an excess of aldehyde beyond that which will react initially with the polysaccharide carbohydrate, so as to produce a second reaction between the excess aldehyde ("free aldehyde") and the cellulose of the fabric during the curing process. But that teaching is not set out in the basic claim. Claim 25 specifically covers "the process of Claim 22 in which an excess of aldehyde over the amount required to react with the carbohydrate is employed." Claim 22, accordingly, must stand or fall without reliance on the step separately described in Claim 25. See *In re Seabury*, 23 App. D. C. 377, 381, 110 O. G. 2238. [2] The teaching of Claim 25 in itself is hardly patentable, in view of the similar disclosures in Exhibit 9 of the Horst patent and the testimony of appellants' witness that the difference in the final product brought about by the excess aldehyde was but slight. *In re Haller*, 24 CCPA 887, 87 F.2d 520, 481 O. G. 6.

Appellants also contend that the Lippert process results in the impregnation of the fibers of the fabric with unpolymerized material, which is then polymerized, whereas their own process results in

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the coating of the fibers with a substance already polymerized and having a molecular structure too large to penetrate or impregnate the fibers. [3] Assuming for present purposes that this contention is factually sound, and also that appellants' process brings about an improved product, the difficulty remains that the basis of the improvement and the means of producing it are not elucidated in the claim, when read against the prior art. See *A. & P. Tea Co.* v. *Supermarket Corp.*, 340 U. S. 147 at 149 (1950), 642 O. G. 5.

[4] The judgment of the district court dismissing the complaint will accordingly be affirmed.

AFFIRMED.

NOTICES

Extension of Patents Granted

Patent No. 2,185,711. BIOLOGICAL APPARATUS. Granted Jan. 2, 1940. James A. Reyniers. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 2 years and 328 days from the expiration of the original term thereof.

Patent No. 2,219,564. SURGICAL OPERATING DEVICE. Granted Oct. 29, 1940. James A. Reyniers. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 2 years and 328 days from the expiration of the original term thereof.

Patent No. 2,244,082. APPARATUS FOR, AND METHOD OF, MAINTAINING AND WORKING WITH BIOLOGICAL SPECIMENS IN A GERM-FREE CONTROLLED ENVIRONMENT. Granted June 3, 1941. James A. Reyniers. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 2 years and 328 days from the expiration of the original term thereof.

Patent No. 2,248,199. METHOD AND MEANS FOR PREVENTING CROSS INFECTION. Granted July 8, 1941. James A. Reyniers. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 2 years and 328 days from the expiration of the original term thereof.

Errata

All references to Patent No. 2,579,508 to Carl W. Mott, assignor to The Kendall Company, for Surgical Sponge or Like Article, appearing in the OFFICIAL GAZETTE of December 25, 1951, should be deleted as the application was withdrawn from issue and the patent was not issued

All references to Patent No. 2,580,183 to Carl W. Mott, assignor to The Kendall Company, for Method of Making Fabric Sacks, Especially for Surgical Sponges and the Like, appearing in the OFFICIAL GAZETTE of December 25, 1951, should be deleted as the application was withdrawn from issue and the patent was not issued.

All references to Patent No. 2,580,194 to Howard C. Riordan and Leo Bethke, assignors to The Kendall Company, for Surgical Sponge and Method for Making Same, appearing in the OFFICIAL GAZETTE of December 25, 1951, should be deleted as the application was withdrawn from issue and the patent was not issued.

Adjudicated Patents

(D. C. N. J.) Ellis Patent No. 2,063,542, for improved process for making resins for use in varnish and lacquer industry. Claims 2, 17, 19, and 28 *Held* invalid. *Ellis Foster Co.* v. *Reichhold Chemicals*, 100 F. Supp. 594; — USPQ —.

(Ct. Cl.) Jones Patent No. 2,078,854, for boundary layer air control. Claims 1, 3, 7, 9, 10, 11, 15, 16, and 18 *Held* not infringed and claim 9 *Held* invalid. *Jones* v. *United States*, 100 F. Supp. 628; 91 USPQ 10.

(Ct. Cl.) Rindfleisch Patent No. 2,257,126, for propeller. Claims 25, 26, and 27 *Held* not infringed and claims 8 and 31 *Held* invalid. *Bocjl Corp.* v. *United States*, 100 F. Supp. 600; 91 USPQ 7.

(D. C. Pa.) Bruen Patent No. 2,340,862, for a rotatable horizontal card file. Claims 1, 2, 4, 5, 7, 15, 17, 18, and 19 *Held* invalid. *Bruen et al.* v. *Huff et al.*, 100 F. Supp. 713; — USPQ —.

Cancellation Notices

American Smoked Cheese Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Kraft Foods Company, 500 Peshtigo Court, Chicago, Ill., to effect the cancellation of trade-mark registration of American Smoked Cheese Company, 1237 39th St., Brooklyn, N. Y., No. 397,039, dated August 11, 1942, and the notice of such proceeding sent by registered mail to the said American Smoked Cheese Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said American Smoked Cheese Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Assistant Commissioner of Patents.

Dec. 6, 1951.

Harry N. Drucker, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Chicago Roller Skate Company, 4450 W. Lake St., Cook County, Chicago, Ill., to effect the cancellation of trade-mark registration of Harry N. Drucker, 419 E. Mitchell Ave., Cincinnati, Ohio, No. 344,907, dated April 6, 1937, and the notice of such proceeding sent by registered mail to the said Drucker at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Drucker, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Assistant Commissioner of Patents.

Dec. 6, 1951.

John L. Nilson, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by John P. Demling, 1105 Hayes Avenue, Oak Park, Ill., to effect the cancellation of trade-mark registration of John L. Nilson, 4751 Sheridan Road, Chicago, Ill., No. 440,505, dated September 7, 1948, and the notice of such proceeding sent by registered mail to the said Nilson, at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Nilson, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Assistant Commissioner of Patents.

Dec. 6, 1951.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,564,513. Fish Net Support. Patented Aug. 14, 1951. Supporting and clamping device is detachably secured to a collapsible hoop which holds the mouth of a fish net bag open. The device may be clamped to the side of a boat to hold the bag suspended alongside the boat with the lower portion of the bag disposed in the water. When fish are caught and placed in the bag, they can remain submerged in the water and thus kept alive until fisherman leaves for home or camp. (Owner) Harry Terwilliger, P. O. Box 91, Weidman, Mich. Group 39—49. Reg. No. 46,113.

Pat. 2,563,701. Apparatus for Resurfacing Plastic Phonograph Records or the Like. Patented Aug. 7, 1951. Apparatus for erasing the sound tracks of plastic phonograph records. A frame has a plate with a spindle to receive a record. A housing projecting from a hinge post secured to frame swings over record. A plunger aligned with spindle is moved downwardly to contact record and prevent rotation. Circular grooved scrubbing members connected to gears carried by shafts have non-abrasive surfaces to contact record. A reservoir contains a solvent to be fed between the rotating scrubbing members and record to treat and soften the surface as the scrubbing members move across record, obliterating sound tracks. Thereafter, the solvent is removed, to harden the surface. (Owner) Albert I. Kegan, 29 South LaSalle St., Chicago 3, Ill. Groups 28—34; 35—59; 36—61; 39—81. Reg. No. 46,114.

Pat. 2,444,530. Torque Responsive Clutch for Controlling Shifting of Gear Ratios of Transmissions. Patented July 6, 1948. Reg. No. 46,115.

Pat. 2,544,107. Automatic and Manually Operated Clutch. Patented Mar. 6, 1951. Reg. No. 46,116.

These two patents disclose automatic clutches particularly adapted for Diesel-driven trains, heavy busses and trucks, heavy armored tanks, and other automotive vehicles. Positive driving connection is effected between the driving and driven members of the clutches when final engagement is had. In Pat. 2,444,530 positive driving connection may be effected or disrupted by sufficient change in the torque ratio between the driving and driven members. In Pat. 2,544,107 the driving member must attain a predetermined speed before positive driving engagement is had. The clutch may also be manually engaged or disengaged easily and silently under load regardless of the speed of the driving and driven members and the magnitude of the load. (Owner) Carroll H. Richards, 42 Peterboro St., Boston, Mass. Groups 35—66; 38—31.

Pat. 2,560,122. Window Scaffold. Patented July 10, 1951. Window scaffold has a closed portion and leg portions bent to form a pair of parallel V-shaped portions. A long pipe extended onto the threaded ends of the legs is held thereon by nuts. This pipe engages the inner side of window frame, while the closed end portion engages the exterior of building wall below window sill. The bent legs support a seat. A detachable U-shaped back has hooks to engage spaced eyes at rear edge of seat. May be attached or removed from window by an average layman. (Owner) Scott M. Moats, 15 North Sandusky St., Columbus 8, Ohio. Group 25—99. Reg. No. 46,117.

Pat. 2,560,123. Window Scaffold. Patented July 10, 1951. This window scaffold has a light weight platform reinforced and supported by bars and braces. The platform has rolled edges with an upwardly extended flange on outer end and a downwardly extended flange on inner end. The platform is suspended by rods from a tube extended across inner surface of window frame. A detachable back rail has downwardly extended end rods with hooks to engage openings in flange on outer end of platform. May be attached or removed from window by an average layman. (Owner) Scott M. Moats, 15 North Sandusky St., Columbus 8, Ohio. Group 25—99. Reg. No. 46,118.

Pat. 2,531,137. Preparation of Sulfuric Acid and Sodium Chloride From Sodium Sulfate Solutions. Patented Nov. 21, 1950. A process for using waste liquor from viscose spinning or casting processes, containing sodium sulphate, for producing sulphuric acid and sodium chloride. Sulphur dioxide and chlorine are introduced into an aqueous solution of sodium sulphate. The material is cooled during the reaction to such a degree that the sodium chloride completely precipitates from the solution. The sodium chloride is filtered off, and the sulphuric acid and hydrogen chloride are separated. (Owners) Otto Laubi and Max Gerber. Correspondence to Singer, Stern & Carlberg, 14 East Jackson Blvd., Chicago 4, Ill. Groups 22—23; 28—89. Reg. No. 46,119.

Pat. 2,559,199. Plural Armature Relay. Patented July 3, 1951. Relay is especially designed for use in controlling supplementary circuits from a motor circuit operating on a variable current, without materially reducing or interfering with the effectiveness of the motor circuit. The relay has a magnetic frame with insulated trunnions of a pair of inverted L-shaped armatures journaled in the frame. At least one trunnion of each armature carries a conducting member with pivoted conducting brushes resiliently engaging the conducting members. The upper arms of the armatures are counterweighted to swing downwardly by gravity and swing the depending arms outwardly. The upper arms have contacts normally engaging contacts on the magnetic frame, and the depending arms have contacts normally out of engagement with contacts at the ends of the core bar of an electromagnetic coil. (Owner) Hubert Perkins, 2923 Heyward St., Columbia 5, S. C. Group 36—19. Reg. No. 46,120.

Des. 163,067. Ring or Similar Article. Patented Apr. 24, 1951. Design for a square-type ring or similar article has identical depressed areas in the top, bottom, and ends. Matching triangular depressions are provided at each corner on each side of the ring. (Owner) Mabel C. Redmond, 900 Anza St., San Francisco 18, Calif. Groups 34—51; 39—71. Reg. No. 46,121.

Hotpoint Inc. offers the following 16 patents for nonexclusive licensing on reasonable terms to domestic manufacturers. Applications for license may be addressed to the Patent Counsel, Hotpoint Inc., 5600 West Taylor St., Chicago 44, Ill.

The patents relate to dishwashing machines. Group 35—89. Reg. Nos. 46,122 through 46,137.

Pat. 2,022,637. Washing Apparatus. Nov. 26, 1935.

Pat 2,025,571. Washing Apparatus. Dec. 24, 1935.

Pat. 2,136,259. Dish Washing Apparatus. Nov. 8, 1938.

Pat. 2,142,902. Washing Apparatus. Jan. 3, 1939.

Pat. 2,142,924. Washing Apparatus. Jan. 3, 1939.

Pat. 2,142,927. Washing Apparatus. Jan. 3, 1939.

Pat. 2,142,928. Washing Apparatus. Jan. 3, 1939.

Pat. 2,142,929. Washing Apparatus. Jan. 3, 1939.

Pat. 2,155,254. Washing Apparatus. Apr. 18, 1939.

Pat. 2,250,974. Washing Apparatus. July 29, 1941.

Pat. 2,276,801. Detergent Cup for Washing Apparatus. Mar. 17, 1942.

Pat. 2,284,456. Washing Apparatus. May 26, 1942.

Pat. 2,290,653. Washing Apparatus. July 21, 1942.

Pat. 2,300,989. Hinge Construction for Cabinets. Nov. 3, 1942.

Pat. 2,314,666. Washing Apparatus. Mar. 23, 1943.

Pat. 2,314,673. Washing Apparatus. Mar. 23, 1943.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms to domestic manufacturers. Applications for license may be addressed to: Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The 47 patents listed below are classified in Group 36—11—12—13—19—41—61—92. Reg. Nos. 46,138 through 46,184.

Pat. 2,008,515. Electric System. July 16, 1935.

Pat. 2,008,519. Harmonic Suppression Means for Space Discharge Apparatus Circuits. July 16, 1935.

Pat. 2,024,173. Electric Translating Circuit. Dec. 17, 1935.

Pat. 2,044,593. Balancing Means for Rectifiers. June 16, 1936.

Pat. 2,046,972. Compounding System for Rectifiers. July 7, 1936.

Pat. 2,070,462. Parallel Operation of Thyratrons. Feb. 9, 1937.

Pat. 2,078,151. High Frequency Power Supply Circuit. Apr. 20, 1937.

Pat. 2,084,870. System of Electrical Distribution. June 22, 1937.

Pat. 2,107,934. Parallel Multianode Transformer Connection. Feb. 8, 1938.

Pat. 2,136,227. Electric Valve Converting Apparatus. Nov. 8, 1938.

Pat. 2,157,851. Protective Arrangement for Electric Valve Converting Systems. May 9, 1939.

Pat. 2,157,897. Electric Valve Converting System. May 9, 1939.

Pat. 2,158,934. Protective Means for Hot-Cathode Rectifiers. May 16, 1939.

Pat. 2,166,814. Excitation System for Third Harmonic Inter Phase Transformers. July 18, 1939.

Pat. 2,166,825. Electric Valve Converting System. July 18, 1939.

Pat. 2,169,876. Grid Control Rectifier. Aug. 15, 1939.

Pat. 2,174,392. Electric Translating System. Sept. 26, 1939.

Pat. 2,180,991. Electric Valve Converting System. Nov. 21, 1939.

Pat. 2,190,524. Electric Valve Converting System. Feb. 13, 1940.

Pat. 2,192,028. Protective System. Feb. 27, 1940.

Pat. 2,209,818. Control System for Electric Valve Apparatus. July 30, 1940.

Pat. 2,213,091. Electric Signaling and Indicating System. Aug. 27, 1940.

Pat. 2,220,735. Electric Valve Circuit. Nov. 5, 1940.

Pat. 2,231,604. Electric Valve Converting Apparatus. Feb. 11, 1941.

Pat. 2,246,150. Electric Valve Circuit. June 17, 1941.

Pat. 2,246,173. Electric Valve Converting System. June 17, 1941.

Pat. 2,247,057. Electric Valve Converting System. June 24, 1941.

Pat. 2,247,078. Electric Valve Translating Apparatus. June 24, 1941.

Pat. 2,253,180. Electric Valve Excitation Circuits. Aug. 19, 1941.

Pat. 2,253,982. Electric Valve Translating Apparatus. Aug. 26, 1941.

Pat. 2,264,854. Electric Valve Converting System. Dec. 2, 1941.

Pat. 2,278,211. Electric Circuits. Mar. 31, 1942.

Pat. 2,289,119. Electric Valve Control Circuit. July 7, 1942.

Pat. 2,297,364. Electric Valve Converting System and Excitation Apparatus Therefor. Sept. 29, 1942.

Pat. 2,320,790. Electric Valve Circuits. June 1, 1943.

Pat. 2,331,103. Electric Control System. Oct. 5, 1943.

Pat. 2,337,918. Electric Valve Circuits. Dec. 28, 1943.

Pat. 2,359,181. Electric Valve Circuits. Sept. 26, 1944.

Pat. 2,361,254. Electric Valve Apparatus. Oct. 24, 1944.

Pat. 2,362,295. Electric Valve Circuit. Nov. 7, 1944.

Pat. 2,366,561. Electric Valve Circuit. Jan. 2, 1945.

Pat. 2,388,072. Electric Translating Apparatus and Control Equipment Therefor. Oct. 30, 1945.

Pat. 2,389,889. Electric Valve Translating Apparatus and a Method of Operating the Same. Nov. 27, 1945.

Pat. 2,404,614. Electric Control Circuit. July 23, 1946.

Pat. 2,427,542. Electric Control Circuit. Sept. 16, 1947.

Pat. 2,428,604. Means Producing a Steep Wave Front Potential for Control of Electric Discharge Devices. Oct. 7, 1947.

Pat. 2,437,066. Electric Control Circuit. Mar. 2, 1948.

The 31 patents listed below relate to the field of radio. Groups 25—11; 36—19—61.

Pat. 2,152,472. Protective Equipment. Mar. 28, 1939. Reg. No. 46,185.

Pat. 2,262,505. Electric Converting Apparatus. Nov. 11, 1941. Reg. No. 46,186.

Pat. 2,566,056. Keystone Correction Circuit. Aug. 28, 1951. Reg. No. 46,187.

Pat. 2,566,057. Audio Amplifier System. Aug. 28, 1951. Reg. No. 46,188.

Pat. 2,566,064. Cabinet Construction. Aug. 28, 1951. Reg. No. 46,189.

Pat. 2,167,472. Thermostatic Control of Electron Discharge Apparatus. July 25, 1939. Reg. No. 46,190.

Pat. 2,196,022. Temperature Controlling System for Electrical Apparatus. Apr. 2, 1940. Reg. No. 46,191.

Pat. 2,564,471. Balanced Phase Detector. Aug. 14, 1951. Reg. No. 46,192.

Pat. 2,565,298. Evacuating and Gas Charging Apparatus With Movable Support and Vacuum Pump Carried Thereon. Aug. 21, 1951. Reg. No. 46,193.

Pat. 2,565,327. Cathode-Ray Tube Mounting Means. Aug. 21, 1951. Reg. No. 46,194.

Pat. 2,565,331. Wide Angle Sweep Yoke Assembly. Aug. 21, 1951. Reg. No. 46,195.

Pat. 2,350,206. Anode Power Supply. May 30, 1944. Reg. No. 46,196.

Pat. 2,479,400. Method of Forming Coil Assemblies. Aug. 16, 1949. Reg. No. 46,197.

Pat. 2,492,748. Oscillatory Circuit. Dec. 27, 1949. Reg. No. 46,198.

Pat. 2,541,842. Electric Discharge Device. Feb. 13, 1951. Reg. No. 46,199.

Pat. 2,561,172. Pulse Timing Circuit. July 17, 1951. Reg. No. 46,200.

Pat. 2,561,184. Transmission Line Attenuator. July 17, 1951. Reg. No. 46,201.

Pat. 2,562,694. Stair-Step Wave Generator. July 31, 1951. Reg. No. 46,202.

Pat. 2,562,703. Multiple Channel Radio Receiving System. July 31, 1951. Reg. No. 46,203.

Pat. 2,562,707. Stylus for Magnetic Recording and Reproducing Apparatus. July 31, 1951. Reg. No. 46,204.

Pat. 2,562,744. Electronic Alternating Voltage Regulator. July 31, 1951. Reg. No. 46,205.

Pat. 2,551,250. Pulse Discriminator. May 1, 1951. Reg. No. 46,206.

Pat. 2,553,294. Ratio Circuit. May 15, 1951. Reg. No. 46,207.

Pat. 2,554,172. Linear Sweep Wave Generator. May 22, 1951. Reg. No. 46,208.

Pat. 2,554,196. Power Factor Indicator for Antennas. May 22, 1951. Reg. No. 46,209.

Pat. 2,554,230. Combined Converter and Oscillator Circuit. May 22, 1951. Reg. No. 46,210.

Pat. 2,554,457. Circuit for Increasing the Output of Class C Amplifiers. May 22, 1951. Reg. No. 46,211.

Pat. 2,554,977. Electronic Voltage Regulator. May 29, 1951. Reg. No. 46,212.

Pat. 2,554,982. Wire Lead Detector. May 29, 1951. Reg. No. 46,213.

Pat. 2,554,994. Electronic Switching Circuit. May 29, 1951. Reg. No. 46,214.

Pat. 2,562,697. Pulse Rate Measurement. July 31, 1951. Reg. No. 46,215.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 8, 1952

[VOL. 654. NO. 2]

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 558,024. John W. Eshelman & Sons, Lancaster, Pa. Filed May 28, 1948. (Classified in Class 46.) (Sec. 2f.)

Eshelman

Applicant claims ownership of Registrations Nos. 248,851 and 253,916.

For Poultry Foods Having as Their Principal Ingredients Mixed Grains, Meat Scrap and Minerals; Pigeon Feed Having Mixed Grains and Peas as Principal Ingredients; Livestock Foods—Namely, Dog and Puppy Foods and Dog Biscuits, Both Having as Their Principal Ingredients Meat Meal, Grains, Soy Beans and Added Vitamins and Minerals; Horsefeed Consisting Primarily of Mixed Grains; Pig and Hog Meal Consisting Primarily of Mixed Grains and Minerals; Steer Feed Consisting Primarily of Cottonseed Meal, Soybean Oil Meal, Linseed Oil Meal and Added Minerals; Steer Supplement Consisting Primarily of Meat Scrap, Linseed Oil Meal, Cottonseed Meal, Soybean Oil Meal, Molasses, and Bone Meal; and Dairy Feed Consisting Primarily of Cottonseed Meal, Grains, Vegetable Fats, and Minerals; Corn Meal, Wheat Flour for Use in Animal Feeds, Oats, Corn in the Whole Grain and Steel Cut Corn, Wheat, Barley, Kaffir and Milo, Alfalfa Meal, Hominy Feed, Brewers' Dried Grains, Distillers' Dried Grains, Cottonseed Meal, Soybean Oil Meal, Wheat Bran, Linseed Oil Meal, Middlings, Dried Whey, Granite Grit for Poultry, Salt, Oyster Shells for Poultry, Meat Scrap, Bone Meal, Charcoal for Poultry and Wheat Germ Oil for Addition to Animal Feeds.

Claims use since 1885.

Ser. No. 596,871. Societe Anonyme Novacel (Nouvelles Applications Chimiques et Cellulosiques), Paris, France. Filed May 4, 1950.

SPONGYL

Applicant claims ownership of French Registration No. 358,386, dated May 8, 1945.

For Artificial and Natural Sponges for Cleaning and Toilet Purposes, and Sponges Made From Products Derived From Cellulose.

Ser. No. 596,872. Societe Anonyme Novacel (Nouvelles Applications Chimiques et Cellulosiques), Paris, France. Filed May 4, 1950.

SPONTEX

Applicant claims ownership of French Registration No. 283,498, dated Nov. 16, 1932.

For Artificial and Natural Sponges for Cleaning and Toilet Purposes, and Sponges Made From Products Derived From Cellulose.

Ser. No. 600,710. Wagner Fur, Inc., New York, N. Y. Filed July 14, 1950.

BLU MYST

The word "Blu" is disclaimed.

For Furred Skins.

Claims use since June 28, 1950.

Ser. No. 600,711. Wagner Fur, Inc., New York, N. Y. Filed July 14, 1950.

GOLDEN BROWN MYST

The words "Golden Brown" are disclaimed.

For Furred Skins.

Claims use since June 28, 1950.

Ser. No. 602,631. H. H. Robertson Company, Pittsburgh, Pa. Filed Aug. 23, 1950.

STYPOL

For Synthetic Resins in Powdered and Paste Form for Use as Casting Materials for Producing Art Objects and Other Cast Articles.

Claims use since Jan. 15, 1948.

Ser. No. 603,852. Peterson-Biddick Company, Wadena, Minn. Filed Sept. 21, 1950.

P.B. THE EMBLEM OF QUALITY

The words "The Emblem of Quality" are disclaimed.

For Seeds—Namely, Field and Hybrid Seed Corn.

Claims use since Jan. 1, 1932.

CLASS 2

RECEPTACLES

Ser. No. 596,811. Sho-Me, Inc., New York, N. Y. Filed May 3, 1950.

POR-TO-MIX

The word "Mix" is disclaimed.
For Multiple Section Storage Boxes Used for Transporting Materials Such as Cement and Aggregate To Be Mixed, Said Materials To Be Kept Separate During Transportation.
Claims use since Dec. 23, 1949.

Ser. No. 597,450. Meese, Inc., Madison, Ind. Filed May 15, 1950.



The words "Made of Cork" are disclaimed. The drawing is lined for the colors brown and green. Applicant claims ownership of Registration No. 339,426.
For Cork Insulated and Canvas Covered Shipping and Storage Cases for Shipping and Storing Packages Containing Frozen Foods.
Claims use since Jan. 2, 1931.

Ser. No. 599,959. Marathon Corporation, Rothschild, Wis. Filed June 29, 1950.

Pick Pak

The word "Pak" is disclaimed. Applicant claims ownership of Registration No. 414,826.
For Collapsible Cardboard Cartons Suitable for Packaging Sliced Bacon and Other Foods for Display Purposes.
Claims use since May 29, 1950.

Ser. No. 603,655. James H. Young, doing business as J. H. Young Company, Pittsburgh, Pa. Filed Sept. 16, 1950.

SAHARA

Applicant claims ownership of Registration No. 529,017.
For Canisters Having Metal Covers and Body Portions for Use in Storing Crackers, Cookies, Pretzels, Popcorn, Sugar, Potato Chips, Salted Nuts, Breakfast Food, Salt, and the Like.
Claims use since July 11, 1950.

Ser. No. 607,904. Shelton Manufacturing Co., Inc., Long Island City, N. Y. Filed Dec. 20, 1950.

SHELLTITE

For Corrugated Paper Boxes.
Claims use since Sept. 14, 1950.

Ser. No. 610,483. Wolf Brothers, Inc., Philadelphia, Pa. Filed Feb. 23, 1951. (Sec. 2f.)

DOUBLE-U-LOCK

Applicant claims ownership of Registration No. 395,812.
For Merchandise Bags and Merchandise Envelopes Made of Paper.
Claims use since Dec. 3, 1940.

Ser. No. 611,318. Vacuum Products Corporation, Newark, N. J. Filed Mar. 14, 1951.

Duo Therm

For Insulated Vacuum Bottle.
Claims use since Feb. 2, 1951.

Ser. No. 614,873. The Diamond Match Company, New York, N. Y. Filed June 7, 1951.

Diamond

Applicant claims ownership of Registration No. 271,456.
For Plates Made of Paper or Pulp.
Claims use since July 7, 1949.

Ser. No. 615,157. Clayton & Lambert Manufacturing Company, Louisville, Ky. Filed June 14, 1951.

BUCKEYE

For Metal Corn Cribs and Grain Bins.
Claims use since 1912.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 591,419. Hanson-Van Winkle-Munning Company, Matawan, N. J., and elsewhere. Filed Jan. 25, 1950.

ACME
RUFF-L-BUFF

The word "Ruff-L-Buff" is disclaimed. Applicant claims ownership of Registration No. 285,490.
For Industrial Polishing Buffs.
Claims use since Nov. 2, 1949.

Ser. No. 602,468. Pangborn Corporation, Hagerstown, Md. Filed Aug. 19, 1950. (Sec. 2f.)

PANGBORN

Applicant claims ownership of Registration No. 301,538.
For Granular Abrasive Materials To Be Projected Against the Surfaces of Various Objects for Cleaning, Finishing, Cutting, and Carving Same.
Claims use since April 1907.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 552,110. Arkansas Company, Inc., Newark, N. J. Filed Mar. 17, 1948. (Sec. 2f.)

ARKO

Applicant claims ownership of Registrations Nos. 405,026, 402,127, 292,294, 309,241, and 441,639.
For Oils, Chemicals, Softeners, and Finishers for Wet Processing of Textile Fibers—Namely, Cationic, Non-Ionic and Anionic Surface Active Agents, Penetrants, Leveling Agents, Dye Assistants, Finishing Compounds, Water Repellants, Fume-Proofing Compositions, Fire-Proofing Compositions, Emulsifying Agents, Enzyme Preparations, Tanning Agents, Mordants, Sulfonated Oils, Scouring, Winding and Cutting Glyceride or Mineral Oils or Mixtures Thereof of Sulfonated or Non-Sulfonated Character Used for Application in Scouring Baths, in Cleansing Baths for Cutting Purposes or in Connection With the Throwing or Winding of Textile Yarns, Reducing Agents, Resin Finishes, Self-Emulsifying Oils Useful as Textile Lubricants and Finishing Oils.
Claims use since 1922.

Ser. No. 576,157. Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia. Filed Mar. 26, 1949.

REDWING

For Refined Flour Sulphur.
Claims use since 1921.

Ser. No. 576,645. Koppers Company, Inc., Pittsburgh, Pa. Filed Apr. 5, 1949. (Sec. 2f as to the word "Koppers.")

KOPPERS

Applicant claims ownership of Registrations Nos. 271,243, 289,526, 270,852, and 270,853.
For Mono- and Poly-Hydroxyphenols, Alkylphenols, Aromatic (Coal Tar) Hydrocarbons in Crude and Pure Form Including Benzene, Benzene Derivatives, Naphthalene, Naphthalene Derivatives and Mixtures Thereof, Mineral Acids, Inorganic Salts, Organic Acids, Wood Preservatives Including Creosote and Creosote Combined With Coal Tar Oils, Insecticides and Disinfectants Including Cresylic Acid Compounds, Naphthalene and Paradichlorobenzene Products, Ammonium Thiocyanate, Sulphur Paste, Sulphur, Coal Tar Bases in Crude and Pure Form Including Quinoline and Pyridine, Beta-Methyl-Umbelliferone, Propiophenone, Synthetic Resins Including Polystyrene in Powder and Granular Form, and Olefines Including Styrene.
Claims use since Aug. 10, 1948, as to the mark shown; and since May 24, 1929, as to "Koppers."

Ser. No. 589,032. Monsanto Chemical Company, St. Louis, Mo. Filed Dec. 8, 1949.

LYTRON

For Synthetic Resins in the Form of Powders, Granules, Emulsions, Solutions, and Other Forms for Use in the Industrial Arts and Further Manufacture.
Claims use since Nov. 22, 1949.

Ser. No. 589,724. Ionite Battery Corporation, Price, Utah. Filed Dec. 21, 1949.

IONITE

The drawing is lined for the color orange.
For Electrolytes or Solutions for Batteries.
Claims use since Apr. 1, 1946.

Ser. No. 610,800. Roberts & Porter, Inc., Chicago, Ill. Filed Mar. 3, 1951.

COPPERLITH

For Plate Solutions for Chemically Depositing Copper in a Lithographing Plate Image.
Claims use since Nov. 16, 1950.

Ser. No. 611,027. Emerson Radio and Phonograph Corporation, New York, N. Y. Filed Mar. 8, 1951.

"ANTIPULV"

For Static Dust Preventive Which Is Used for Coating Surfaces To Eliminate Static Electricity Accumulations Thereon, and To Repel Dust Therefrom.
Claims use since Feb. 19, 1951.

Ser. No. 612,089. Research Products Company, Kansas City, Mo. Filed Mar. 31, 1951.

MAX
EIGHTY 80-20 TWENTY

The numbers "80" and "20" and the words "Eighty" and "Twenty" are disclaimed. Applicant claims ownership of Registration No. 539,985.
For Insecticides—Namely, Grain Fumigants.
Claims use since June 26, 1950.

Ser. No. 612,090. Research Products Company, Kansas City, Mo. Filed Mar. 31, 1951.

MAX
Spot Kill

The word "Kill" is disclaimed. Applicant claims ownership of Registration No. 539,985.
For Insecticides—Namely, Fumigants for Killing Insects.
Claims use since Jan. 31, 1950.

Ser. No. 613,216. Emery Industries, Inc., Cincinnati, Ohio. Filed Apr. 27, 1951.



For Dimer Acid.
Claims use since Mar. 14, 1951.

Ser. No. 614,099. Sears, Roebuck and Co., Chicago, Ill. Filed May 19, 1951.

Cross Country

For Herbicides—Namely, Weed Killer Liquid, Weed Killer Dust; Insecticides, Fungicides—Namely, Insect Spray, Potato Spray, Miscible Oil Spray, Liquid Lime Sulphur Spray, 3-Way Garden Spray, Dry Lime Sulphur, Dormant Miscible Spray, Liquid Lime Sulphur Spray, Arsenate of Lead, Magnesium Bordeau Arsenate of Lead, Rotenone Dust Spray, 40% Nicotine Sulphate Spray.
Claims use since July 15, 1948.

Ser. No. 615,251. Shell Chemical Corporation, New York, N. Y. Filed June 15, 1951.

DIELDREX I

For Insecticide.
Claims use since Sept. 18, 1950.

Ser. No. 615,614. Tobal Products Inc., Chicago, Ill. Filed June 23, 1951.

ratero

For Rodenticide.
Claims use since June 14, 1951.

Ser. No. 615,721. Reilly-Whiteman-Walton Company, Conshohocken, Pa. Filed June 26, 1951.

MICROTAN

For Supplementary Synthetic Tanning.
Claims use since June 20, 1939.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 578,706. Marcel Quercia, Paris, France. Filed May 12, 1949.

GENTRY

Priority under Sec. 44(d). French application Reg. No. 393,889, dated Apr. 28, 1949.
For Pyrophoric Lighters for Smokers.

Ser. No. 613,944. Paul Ernest Perry, New York, N. Y. Filed May 16, 1951.

YOUR Extra HAND

For Ashtrays.
Claims use since Apr. 10, 1951.

CLASS 10

FERTILIZERS

Ser. No. 597,090. Missouri Valley Organic Fertilizer Mix, Inc., Union Star, Mo. Filed May 8, 1950.

FERTIL-GREEN

The word "Fertil" is disclaimed.
For Soil Conditioner and Plant Food Composed of Marine Life Obtained by Surface Mining of Dry Lake Beds.
Claims use since June 1, 1949.

Ser. No. 600,169. Hyper-Humus Company, Bryn Mawr, Pa. Filed July 3, 1950.

RHODO-GRO

The word "Gro" is disclaimed.
For Plant Soil.
Claims use since Apr. 3, 1926.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 594,586. J. A. Sexauer Mfg. Co., Inc., New York, N. Y. Filed Mar. 24, 1950. (Sec. 2f.)

SEXAUER

For Pipe Joint Cement, Gas Fitters Cement, Spud Cement, and Porcelain Cement.
Claims use since 1921.

Ser. No. 602,039. Libbey-Owens-Ford Glass Company, Toledo, Ohio. Filed Aug. 10, 1950.



Applicant claims ownership of Registrations Nos. 118,792, 285,973, and 384,518.
For Colored Opaque Glass Tiles; Multiple Glass Sheet Glazing Units Composed of Two or More Lites of Glass Separated by an Air Space for Buildings, Display Windows, Display Cases, and the Like; and Window Units Embodying Sheets or Plates of Glass Coated With Transparent Oxide for Use in Glazing Openings Where De-Icing or Electrostatic Dissipation or Radio Frequency Shielding Is Desired.
Claims use since May 31, 1950.

Ser. No. 606,745. American Asphalt Roof Corporation, Kansas City, Mo. Filed Nov. 22, 1950. (Sec. 2f.)

SHINGLSTIK

For Roofing Cement for Cementing Down the Edges of Any Type Roofing.
Claims use since Jan. 1, 1943.

Ser. No. 608,697. Blair Products, Detroit, Mich. Filed Jan. 12, 1951.

BlaiRite

For Granulated or Powdered Refractory Materials for Fireproofing, Heating Insulation, and Confining Molten Metals.
Claims use since Nov. 24, 1950.

Ser. No. 609,901. Duratile of Texas, Incorporated, Tyler, Tex. Filed Jan. 25, 1951.

Duratile

The representation of the goods is disclaimed.
For Aluminum Wall Tile.
Claims use since Jan. 7, 1950.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 580,053. The Everedy Company, Frederick, Md. Filed June 7, 1949.

Econo-BAKER

No claim is made for the word "Baker."
For Metal Hollow Ware Ovens for Use on the Top of Stoves for Heating, Baking, and Cooking Purposes.
Claims use since May 24, 1949.

Ser. No. 581,803. The Everedy Company, Frederick, Md. Filed July 12, 1949. (Sec. 2f.)

EVEREDY

Applicant claims ownership of Registrations Nos. 234,983 and 269,765.
For Metal Hollow Ware for Use on the Top of Stoves—Namely, Frying Pans, Skillets, and Cooking Pans Comprising a Central Fryer Portion Surrounded by an Annular Inclined Ledge Portion Having Up-Struck Projections Thereon for Supporting and Maintaining Strips of Bacon Thereon While Eggs Are Being Fried in the Central Portion, Where the Annular Portion and the Central Portion Are Connected by an Annular Grease-Receiving Trough and Where the Trough Has Supporting Feet Thereunder for Mounting the Metal Hollow Ware on the Top of a Stove.
Claims use since May 4, 1936.

Ser. No. 582,019. T. R. Brawley Felt Co. Inc., Brooklyn, N. Y. Filed July 15, 1949. (Sec. 2f as to "Brawley.")

Brawley felt feet

The words "Felt Feet" are disclaimed.
For Cushioned Glides Used on Furniture, Electrical Appliances, and the Like To Prevent the Marring of Polished Surfaces.
Claims use since Nov. 9, 1926.

Ser. No. 582,559. The Consolidated Iron-Steel Mfg. Co., Cleveland, Ohio. Filed July 27, 1949. (Sec. 2f.)

CLEVELAND

For Sash Pulleys.
Claims use since July 1, 1902.

Ser. No. 588,924. Ace Specialty Manufacturing Company, Minneapolis, Minn. Filed Dec. 7, 1949.

PRESTO

For Corner Shields—Namely, Flexible Pieces of Metal With Attaching Means Which Are Inserted Into Corners of Stairs and Other Places and Which Shield the Same and Prevent Accumulation of Dirt in Corners Which Otherwise Could Not Be Removed.
Claims use since Nov. 8, 1949.

Ser. No. 598,496. The Ohio Corrugating Company, Warren, Ohio. Filed June 2, 1950. (Sec. 2f.)

TRU-LOC

Applicant claims ownership of Registration No. 351,280.
For Metallic Closure Rings for Barrels, Kegs, Buckets, and Similar Receptacles.
Claims use since Jan. 7, 1936.

Ser. No. 615,678. Black Panther Tool Company, Philadelphia, Pa. Filed June 26, 1951.

Black Panther

For Glazier Points and Axe and Hammer Wedges.
Claims use since Oct. 18, 1950.

Ser. No. 616,178. The McKay Company, Pittsburgh, Pa. Filed July 6, 1951. (Sec. 2f.)

MULTI-GRIP

Applicant claims ownership of Registration No. 290,977.
For Tire Chains.
Claims use since Dec. 6, 1930.

Ser. No. 616,184. Nichols Wire & Aluminum Co., Davenport, Iowa. Filed July 6, 1951.



For Metal Fencing, Poles, Braces, Columns, and Anchors Therefor.
Claims use since December 1935.

Ser. No. 616,331. The National Plastic Products Company, Odenton, Md. Filed July 11, 1951.



The word "Color" is disclaimed.
For Thermoplastic Injection Molded Venetian Blind Fittings.
Claims use since August 1947.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 616,807. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed July 23, 1951.

AMERSTRIP

For Steel Strip.
Claims use since July 26, 1940.

Ser. No. 617,594. Aktiebolaget Bofors, Bofors, Sweden. Filed July 11, 1951.

BODUR

Applicant claims ownership of Swedish Registration No. 65,665, dated Jan. 7, 1949, on an application filed Sept. 8, 1948.
For Plates of Tungsten Carbide and Cutlery Steel.

Ser. No. 617,832. Allegheny Ludlum Steel Corporation, Pittsburgh, Pa. Filed Aug. 18, 1951.

ALHEAD

For All Steel Used in the Production of Metal Working Tools and Dies.
Claims use since Jan. 26, 1951.

Ser. No. 618,364. Northill Company, Inc., Los Angeles, Calif. Filed Sept. 4, 1951.

NORTHILL

For Marine Anchors.
Claims use since January 1939.

CLASS 15

OILS AND GREASES

Ser. No. 591,273. Ashland Oil & Refining Company, Ashland, Ky. Filed Jan. 23, 1950.

Ashland

For Gasoline, Kerosene, Lubricating Oils and Greases, Protective Oils and Greases (Products Used To Coat Metals or Other Materials To Keep Them From Oxidizing or Rusting and/or To Help Preserve Them), Fuel Oil, Floor Oil (Products Used on the Surfaces of Wooden Floors To Keep Dust Down and Impregnate the Fibers of the Wood in Order to Preserve It), Coal Spray Oil, Oil for Facilitating the Cutting of Metals and Other Substances, Penetrating Oils, Brick Oil (Products Used To Lubricate the Forms Which Are Used in the Manufacture of Bricks, Thereby Keeping the Brick From Sticking to the Form), Form Oil, Paraffin Oil (Products Used in the Blending of Motor Oils as Well as in Transformer Oils, Hydraulic Oils, and Floor Oils), Castor Oil (Product Used for Lubricating Purposes and General Uses in the Industrial Arts), and Oils and Greases for Use as Pressure Mediums in Hydraulic Pressure Apparatus.
Claims use since Jan. 12, 1946.

Ser. No. 612,221. Addie Mae Smith, doing business as Hi-Q-Lo-P Oil Company, Bedford, Ind. Filed Apr. 4, 1951.



The terms "High Quality" and "Low Price" are disclaimed.
For Gasoline, Lubricating Oils, and Greases.
Claims use since Oct. 15, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 500,695. Preservative Paint Co., Seattle, Wash. Original filed, act of 1905, Apr. 22, 1946; amended to application, act of 1946, Principal Register, Sept. 8, 1947.



The drawing is lined to indicate the color red but the color is disclaimed.
For Ready-Mixed Paints, Asphalt-Base Paints, Paint Primers and Undercoaters, Oil Base Paste Paints for Interior and Exterior Use, Rubber Base Paints, All for Household, Industrial and Marine Uses; Varnishes of the Exterior Spar, Interior Floor and Trim, Four-Hour, and Synthetic Resin Types; Synthetic Resin Paints; Ester Cellulose and Nitro-Cellulose Lacquers; Thinners of Natural and Synthetic Sources for Use in Paint, Varnish, Enamel, and Lacquer; Painting Enamels for Household, Marine, and Industrial Use, of Natural and Synthetic Origin; Turpentine for Use as a Thinner for Paint, Varnish, Enamel, and Lacquer; Drying Oils—Namely, Linseed Oil, China Wood Oil, and Related Vegetable Oils for Use in Paint, Varnish, Enamel, and Lacquer; and Shellac of Natural and Synthetic Sources.
Claims use since Sept. 1, 1945.

Ser. No. 538,364. Chicago Paints, Inc., Chicago, Ill. Filed Oct. 20, 1947. (Sec. 2f.)

DU-KWIK

For Paint Enamels.
Claims use since 1928.

Ser. No. 568,152. Ellis Paint Company, Long Beach, Calif. Filed Aug. 30, 1948. (Sec. 2f.)



The words "Marine Paint" are disclaimed. Applicant claims ownership of Registration No. 428,607.
For Ready-Mixed Marine Paints.
Claims use since June 1, 1937.

Ser. No. 611,821. West Disinfecting Company, Long Island City, N. Y. Filed Mar. 26, 1951. (Sec. 2f.)

KWYKWAX

Applicant claims ownership of Registration No. 300,133.
For Floor Wax.
Claims use since November 1931.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 603,758. Brown & Williamson Tobacco Corporation, Louisville, Ky. Filed Sept. 20, 1950.



Applicant claims ownership of Registrations Nos. 317,709, 319,567, and 520,428.
For Cigarettes.
Claims use since Mar. 6, 1950.

Ser. No. 603,761. Brown & Williamson Tobacco Corporation, Louisville, Ky. Filed Sept. 20, 1950.



Applicant claims ownership of Registrations Nos. 317,709, 319,567, and 520,428.
For Cigarettes.
Claims use since Mar. 6, 1950.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 558,024. John W. Eshelman & Sons, Lancaster, Pa. Filed May 28, 1948. (Classified in Class 46.) (Sec. 2f.)

Eshelman

Applicant claims ownership of Registrations Nos. 248,851 and 253,916.
For Poultry Foods Having as Their Principal Ingredients Mixed Grains, Meat Scrap and Minerals; Pigeon Feed Having Mixed Grains and Peas as Principal Ingredients; Livestock Foods—Namely, Dog and Puppy Foods and Dog Biscuits, Both Having as Their Principal Ingredients Meat Meal, Grains, Soy Beans and Added Vitamins and Minerals; Horsefeed Consisting Primarily of Mixed Grains; Pig and Hog Meal Consisting Primarily of Mixed Grains and Minerals; Steer Feed Consisting Primarily of Cottonseed Meal, Soybean Oil Meal, Linseed Oil Meal and Added Minerals; Steer Supplement Consisting Primarily of Meat Scrap, Linseed Oil Meal, Cottonseed Meal, Soybean Oil Meal, Molasses, and Bone Meal; and Dairy Feed Consisting Primarily of Cottonseed Meal, Grains, Vegetable Fats, and Minerals; Corn Meal, Wheat Flour for Use in Animal Feeds, Oats, Corn in the Whole Grain and Steel Cut Corn, Wheat, Barley, Kaffir and Milo, Alfalfa Meal, Hominy Feed, Brewers' Dried Grains, Distillers' Dried Grains, Cottonseed Meal, Soybean Oil Meal, Wheat Bran, Linseed Oil Meal, Middlings, Dried Whey, Granite Grit for Poultry, Salt, Oyster Shells for Poultry, Meat Scrap, Bone Meal, Charcoal for Poultry and Wheat Germ Oil for Addition to Animal Feeds.
Claims use since 1885.

Ser. No. 600,741. Societe Belge de l'Azote et des Produits Chimiques du Marly, Liege, Belgium. Filed July 15, 1950.

ANAROXYL

For Adrenochrome Monosemi-Carbazone, a Haemostatic Composition Which Is a Derivative of Adrenochrome.
Claims use since May 26, 1950; and use in commerce with the United States on May 26, 1950.

Ser. No. 602,977. Schenley Laboratories, Inc., New York, N. Y. Filed Aug. 30, 1950.

orapen

For Penicillin Tablets Composed of Units of Crystalline Penicillin G Potassium Buffered With Calcium Carbonate.
Claims use since Jan. 17, 1949.

Ser. No. 603,124. Nyrope, Inc., New York, N. Y. Filed Sept. 2, 1950.

BARK-EEZ

For Tablets Used for Sore Throats and Post-Tonsillectomies.
Claims use since Aug. 1, 1950.

Ser. No. 604,746. Rougier Freres, Compagnie Incorporee, Montreal, Quebec, Canada. Filed Oct. 11, 1950.

PHENITRINOSE

Applicant claims ownership of Canadian Registration No. N. S. 35,721, Reg. 139, dated June 23, 1950.

For Pharmaceutical Product Used as a Vaso-Dilator.

Ser. No. 610,912. The Knox Company, Los Angeles, Calif. Filed Mar. 6, 1951.

ACI-NO

For Medicinal Preparation Indicated in and for the Prevention, Mitigation, and Treatment of Acidosis, Biliousness, Dyspepsia, Gastritis, Halitosis, Heartburn, Hyperacidity, Indigestion, Stomach Distress, and All Such Analogous, Related, or Similar Pathological Conditions and Physical Disorders as May Result From Excess Acidity of the Stomach and Digestive Tract.

Claims use since Jan. 10, 1951.

Ser. No. 611,248. E. R. Squibb & Sons, New York, N. Y. Filed Mar. 13, 1951.

DICRYSTICINA

For Antibiotic-Containing Antibacterial Preparation.

Claims use since Feb. 9, 1951.

Ser. No. 611,381. E. R. Squibb & Sons, New York, N. Y. Filed Mar. 15, 1951.

DUMONE

For Estrogenic-Hormone Preparation.

Claims use since Feb. 21, 1951.

Ser. No. 611,388. Vineland Poultry Laboratories, Landis Township, Cumberland County, N. J. Filed Mar. 15, 1951.

AQUA-NOXALINE

The word "Aqua" is disclaimed.

For Veterinary Medicine for Use in Coccidiosis of Chickens and Turkeys and for Checking Immediate Mortality in Acute Fowl Cholera.

Claims use since Feb. 13, 1951.

Ser. No. 612,705. Wayne J. Saari, doing business as Charm Pederma Co., Chicago, Ill. Filed Apr. 16, 1951.



For Foot Powder for Use for the Treatment of Sore, Perspiring Feet, for Corns, Callouses, Process Accumulations, Bunions, and Athletes Foot.

Claims use since 1917.

Ser. No. 612,742. Heyden Chemical Corporation, New York, N. Y. Filed Apr. 17, 1951.

RESERVCILLIN

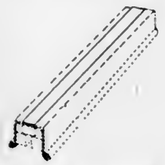
For Penicillin Salt Preparations—Namely, Procaine Salts of Penicillin.

Claims use since Apr. 27, 1949.

CLASS 19

VEHICLES

Ser. No. 572,824. The Bailey Company, Incorporated, Amesbury, Mass. Filed Jan. 26, 1949.



The mark consists of a relatively wide white stripe disposed longitudinally as a median on the exterior surface of the back wall of the channel, where it is applied by attaching a white adhesive strip to the back wall of the channel.

For Vehicle Glass Run Channels.

Claims use since June 1938.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 593,183. Naamloze Vennootschap Fabriek van Electrische Apparaten voorheen F. Hazemeyer & Co., Hengelo, Netherlands. Filed Feb. 28, 1950.



Applicant claims ownership of Netherlands Registration No. 100,758, dated June 17, 1949.

For Electrical Apparatus and Parts Thereof—Namely, Switches, Switchgear, Switch-Boxes, Switch-Boards, Protecting Covers for Switches, Rain Covers for Outdoor Switch-Boards, Resistors, Circuit Breakers, Contacts, Insulators, Electromagnetic Contactors, Fuses, Fuse Boxes, Fuse Holders, Carriers for Cartridge Fuses, Spares for Fuses, Fuse-Fittings, Cable Boxes, Cable Dividing Boxes, Cable Sealing Boxes, Connecting Boxes, Distribution Boxes, Wall Boxes, Bus-Bar Boxes, Junction Boxes, Tee-Off Boxes, Feeder Boxes, Relay Boxes for Boilers, Boxes for Accommodation of Current Transformers and Meters, High Tension Cable Dividing Boxes, High Tension Straight Through Cable Boxes, Wires, Cables, Cable Protecting Tubes, Cable Lugs, Cable Connectors, Meterboards, Meterbrackets, Inlet and Joint Pieces for Meterboards, Front Covers With Meter Supports, Motor Starters, Starting Rheostats, Starting Controllers for Motors, Speed Regulators for Motors, Testing Contacts, High Tension Indicating Poles, Electrodes, High Tension and Low Tension Electrical Insulating Compound Sold in Powder Form, Lightning Arresters, Theater and Cinema-Light Dimmers, Adaptors, Adaptor Plates, Branch Connections, Bus-Bar Spacers, Bus-Bar Clamps, Bus-Bar Supports, Plugs, Sockets, Offset Units, Water-Tight Fittings, Couplings and Connectors for Electric Cable and Conduit, Grip Fittings for Conduit, End Caps for Boxes, Framework for Switchboards, Protective Sleeves, Terminals, Ferrules for Cable Boxes, and Distance Pieces for Cable Boxes.

Ser. No. 595,909. C. Gilbert Paden, Harrisburg, Pa., assignor to Whirlaway Egg Washer Company, Harrisburg, Pa., a partnership composed of himself and Miriam J. Wachtman, Harrisburg, Pa. Filed Apr. 18, 1950.

WHIRL-A-WAY

For Electrically Heated Egg Washer.

Claims use since Oct. 1, 1949.

Ser. No. 599,588. Rembrandt Lamp Corporation, Chicago, Ill. Filed June 22, 1950. (Sec. 2f as to "Rembrandt.")



The words "Lamps" and "Masterpieces" are disclaimed. The drawing is lined for shading only. The portrait is that of Rembrandt Harmanszoon van Rijn, deceased. Applicant claims ownership of Registrations Nos. 276,950, 411,887, and 414,292.

For Lamp Shades Primarily Intended for Electrical Lamps.

Claims use since July 27, 1939.

Ser. No. 605,776. Ace Engineering & Machine Co., Inc., Philadelphia, Pa. Filed Nov. 2, 1950.



The words "Shielded," "Rooms," and "Phila Pa" are disclaimed.

For Shielding Enclosures—Namely, Prefabricated Metallic Screen Panels for Protection Against Sources of Electrical Interference.

Claims use since Nov. 29, 1949.

Ser. No. 606,138. Sol Epstein, doing business as Televex Company, Los Angeles, Calif. Filed Nov. 9, 1950.



The words "The New" and "Clover" are disclaimed.

For Television and Radio Antenna and Aerials and Replacement Parts Therefor.

Claims use since Nov. 1, 1949.

Ser. No. 606,653. FKG Fritz Kesselring Gerätebau A. G., Bachtobel-Weinfelden, Thurgau, Switzerland. Filed Nov. 20, 1950.

ALCATRON

Priority is claimed under Sec. 44(d). Swiss application filed May 20, 1950, Registration No. 133,744, dated June 13, 1950.

For Alkali-Vaporous Discharge Tubes.

Ser. No. 606,654. FKG Fritz Kesselring Gerätebau A. G., Bachtobel-Weinfelden, Thurgau, Switzerland. Filed Nov. 20, 1950.

TRANSRECTOR

Priority is claimed under Sec. 44(d). Swiss application filed May 20, 1950, Registration No. 133,744, dated June 13, 1950.

For Alkali-Vaporous Discharge Tubes.

Ser. No. 613,874. Hipwell Manufacturing Company, Pittsburgh, Pa. Filed May 15, 1951.



The word "Lite" is disclaimed.

For Flash Lights.

Claims use since Mar. 30, 1951.

Ser. No. 613,895. B & B Engineering Corporation, Norwood, La. Filed May 16, 1951

KLYO

For Spring Driven Gongs That Are Electrically Controlled and Tripped, Gongs That Are Operated by Solenoids or Electromagnets or the Like, and Gongs Which Are Operated by Electric Motors and Which Are of the Type Used on Railway Crossings, Bridges, and the Like.

Claims use since Nov. 21, 1948.

Ser. No. 613,953. Duro-Test Corporation, North Bergen, N. J. Filed Mar. 27, 1951.

DURE-X

Applicant claims ownership of Registration No. 414,559.

For Incandescent and Fluorescent Lamps.

Claims use since Mar. 1, 1944.

Ser. No. 614,524. Unimatic Corporation, Nutley, N. J. Filed May 29, 1951.

HARBOT

For Electrical Cable Connectors.

Claims use since Dec. 27, 1949.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 604,657. Noma Electric Corporation, New York, N. Y. Filed Oct. 9, 1950.

NOMA

Applicant claims ownership of Registration No. 403,086.
For Floor Toys in the Nature of Cube Blocks and Interlocking Blocks and Pull Toys in the Nature of Walking Dogs and Walking Ducks Which Are Adapted To Be Pulled by Children.
Claims use since Mar. 19, 1943.

Ser. No. 604,658. Noma Electric Corporation, New York, N. Y. Filed Oct. 9, 1950.

NOMA

Applicant claims ownership of Registration No. 403,086.
For Pop-Up Blocks, Mechanical Skiing Figure Toy, Interlocking Type Blocks, and Wheeled Pull Toys in the Form of a Goose or Other Fowl.
Claims use since Mar. 19, 1943.

Ser. No. 610,943. A & H Doll Manufacturing Corp., Woodside, N. Y. Filed Mar. 7, 1951.

LOVELY ALICE

For Miniature Dressed Dolls.
Claims use since Feb. 10, 1951.

Ser. No. 611,674. A & H Doll Manufacturing Corp., Woodside, N. Y. Filed Mar. 23, 1951.

MAID MARIAN

For Miniature Dressed Dolls.
Claims use since Mar. 5, 1951.

Ser. No. 614,399. Domingo R. Bragado, doing business as Jewel Filipino Spinning Top Co., Brooklyn, N. Y. Filed May 26, 1951.

JEWEL

For Spinning Tops of the Bandalore Type.
Claims use since Nov. 1, 1947.

Ser. No. 615,263. Sarah Elizabeth Sellers, doing business as The Puppet House, Cincinnati, Ohio. Filed June 14, 1951.



The word "Puppet" and the representation of the puppets are disclaimed.
For Puppets.
Claims use since May 29, 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 569,097. Productive Equipment Corporation, Chicago, Ill. Filed Nov. 19, 1948.

Gyroset

For Vibrating Screen Devices.
Claims use since May 1939.

Ser. No. 571,695. Geo. H. Maus, Inc., Amsterdam, N. Y. Filed Dec. 3, 1948. (Sec. 2f.)

GOLD MEDAL

Applicant claims ownership of Registration No. 308,675.
For Lawn Broom Rakes and Parts Thereof.
Claims use since 1913.

Ser. No. 574,501. Filter Materials, Inc., Waupaca, Wis. Filed Feb. 25, 1949.

FILMAT

For Filler Materials in the Form of Disks, Which Become Permanent Parts of Finishing Rolls, for Glossing Paper.
Claims use since Dec. 1, 1948.

Ser. No. 581,195. L. G. S. Spring Clutch Corporation, Indianapolis, Ind., assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio. Filed June 28, 1949.

LGS

For Spring Clutch Mechanism Units and Parts Thereof.
Claims use since Jan. 1, 1948.

Ser. No. 582,762. ACF-Brill Motors Company, Philadelphia, Pa. Filed Aug. 1, 1949. (Sec. 2f.)

HALL-SCOTT

For Internal Combustion Engines and Parts Thereof.
Claims use since July 1, 1917.

Ser. No. 586,372. Union Trading Company Ltd., Basel, Switzerland. Filed Oct. 15, 1949.

UTC

Swiss Registration No. 125,494, dated May 13, 1948.
For Knives, Spoons, Forks, Razors, Razor Blades, Tin Openers, Corkscrews, Axes, Hatchets, Hoes, Machetes, Spades, Shovels; Hammers, Pincers, Files, Saws, Planes, Chisels, and Drills.
Claims use since Feb. 18, 1922; and since Feb. 18, 1922, in commerce between Switzerland and the United States.

Ser. No. 594,100. Cameron Machine Company, Brooklyn, N. Y. Filed Mar. 17, 1950.

Pneucut

For Slitting Wheel Assembly for Automatically Slitting Webs of Paper or Other Flexible Material.
Claims use since Dec. 22, 1949.

Ser. No. 598,318. Northrup Equipment Company, Parkersburg, W. Va. Filed May 29, 1950.

NECO

Applicant claims ownership of Registration No. 149,188.
For Oil and Gas Well Pumps and Parts Thereof.
Claims use since June 3, 1920.

Ser. No. 598,797. Howard Foundry Company, Chicago, Ill. Filed June 8, 1950.

STENTORPHONE

For Pneumatic Horns.
Claims use since Feb. 1, 1950.

Ser. No. 601,141. Isaac Goodin, Ontario, Calif. Filed July 24, 1950.

MIGHTY MIDGET PUMP

The word "Pump" is disclaimed.
For Electric Motor Driven Centrifugal Pumps Used for Pumping Water or Other Liquid From a Storage Unit.
Claims use since June 12, 1950.

Ser. No. 602,731. A. E. Betzel Engineering Company, Arlington, Tex. Filed Aug. 22, 1950.

TAPESTER

For Machines With Which To Wrap Cylindrical Objects With Material in Tape Form.
Claims use since May 15, 1950.

Ser. No. 602,922. William Spratling, Taxco, Gro., Mexico. Filed Jan. 10, 1951.



Applicant claims ownership of Mexican Registration No. 46,539, dated May 27, 1950.
For Pocket Knives, Hunting Knives, Meat, Fruit, and Butter Knives, Paper Cutters.

Ser. No. 603,663. Chef-Way, Inc., Kansas City, Mo. Filed Sept. 18, 1950.



For Coin Controlled, Electrically Operated Vending Machines for Vending Liquid Food Products in Measured Quantities.
Claims use since Aug. 22, 1950.

Ser. No. 603,960. Roy M. Magnuson, doing business as Magnuson Engineers, San Jose, Calif. Filed Sept. 25, 1950.

HYDROUT

For Hydraulically Operated Apparatus for Coring and Trimming Fruits and Vegetables.
Claims use since Aug. 16, 1947.

Ser. No. 605,148. Crompton & Knowles Loom Works, Worcester, Mass. Filed Oct. 19, 1950.

C-6

The drawing is lined to represent the colors red and gold. Applicant claims ownership of Registration No. 523,309.
For Looms and Parts Thereof, Used in Weaving Textile Fabrics.
Claims use since Oct. 4, 1939.

Ser. No. 606,052. The Ridge Tool Company, Elyria, Ohio. Filed Nov. 7, 1950.



For Threading Dies.
Claims use since June 15, 1950.

Ser. No. 609,671. Thomas A. White, doing business as The Pioneer Welding-Bit Works, Quanah, Tex. Filed Feb. 5, 1951.

PIONEER

For Bits for Drilling Wells.
Claims use since May 12, 1946.

Ser. No. 611,608. Huwood-Irwin Corporation, Irwin, Pa. Filed Mar. 21, 1951.



The name "Irwin" is disclaimed.
For Belt and Chain Conveyors.
Claims use since Jan. 29, 1951

Ser. No. 612,411. Panamex Corporation, Beverly Hills, Calif. Filed Apr. 9, 1951.

FLAMINGO

For Scissors and Shears.
Claims use since Feb. 1, 1951.

Ser. No. 613,083. Pekay Machine & Engineering Co., Chicago, Ill. Filed Apr. 24, 1951.

M-T-MATIC

For Conveyor Buckets.
Claims use since Feb. 20, 1951.

Ser. No. 614,445. Link-Belt Company, Chicago, Ill. Filed May 28, 1951.

FR

For Drive Chains and Conveyor Chains
Claims use since Apr. 19, 1951.

Ser. No. 614,446. Link-Belt Company, Chicago, Ill. Filed May 28, 1951. (Sec. 2f as to "Link-Belt.")

LINK-BELT
F R

Applicant claims ownership of Registrations Nos. 63,052, 63,503, and others.
For Drive Chains and Conveyor Chains.
Claims use since Apr. 19, 1951, on the mark as shown; and since 1880 on the term "Link-Belt."

Ser. No. 614,702. Lowell Specialty Company, Chicago, Ill. Filed June 4, 1951.

NU-DAY

For Portable Hand-Manipulable Sprayers Used for Applying Fly Repellants, Insecticides, Disinfectants, Deodorants, and Liquid Solutions.
Claims use since Sept. 1, 1927.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 599,766. Harry A. Hosey, doing business as The Old Hickory Sales Company, Old Hickory, Tenn. Filed June 26, 1950.

C-CLIP

The word "Clip" is disclaimed. Applicant claims ownership of Registration No. 537,298.
For Laundry Fastener or Clip of Metal or a Plastic Material for Holding Closed the Cuffs and Neck-Bands of Shirts.
Claims use since Apr. 28, 1950.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 479,558. Esquire, Inc., Chicago, Ill. Original filed, act of 1905, Feb. 8, 1945; amended to application under act of 1946, Principal Register, Oct. 29, 1948.

CORONET

For Developed Motion Picture Film, Frames Thereof and Reproductions Thereof on Film, and Developed Still Picture Film and Reproductions Thereof on Film.
Claims use since June 26, 1941.

Ser. No. 596,157. The Cross Company, Detroit, Mich. Filed Apr. 22, 1950.

TOOLOMETER

For Gauges for Registering the Estimated Life of a Tool or Tools in Automatic Machine Tools.
Claims use since Mar. 31, 1950.

Ser. No. 597,997. Begwaco Meters Limited, Farnworth, near Bolton, England. Filed May 24, 1950.

BEGWACO

Priority under Sec. 44(d). British application filed Apr. 17, 1950, Reg. No. 688,258, dated Apr. 17, 1950.
For Gas Meters.

Ser. No. 599,203. Whitehouse Products, Inc., Brooklyn, N. Y. Filed June 15, 1950.

Beacon
Two-twenty five

Applicant claims ownership of Registration Nos. 435,889 and 520,978.
For Cameras, Flash Attachments and Camera Cases.
Claims use since Apr. 20, 1950.

Ser. No. 609,826. Wasser, Kay & Phillips, Inc., Pittsburgh, Pa. Filed Feb. 8, 1951.

VIZ QUIZ

For Exposed Motion Picture Films Ready To Be Projected.
Claims use since Aug. 1, 1949.

Ser. No. 610,760. Pyrometer Service Company, North Arlington, N. J. Filed Mar. 2, 1951.

P&S

Pyro-Serv

For Pyrometers and Electrical Controls for Pyrometers Responsive to Fluctuations in Temperature as Indicated by Temperature Sensitive Switches for Actuating the Same.
Claims use since July 1, 1941.

Ser. No. 616,768. Jiffy Bobbin Corporation, North Hollywood, Calif. Filed July 21, 1951.

STARGYLE

The term "Star" is disclaimed.
For Knitting Patterns Comprising Color and Stitch Charts.
Claims use since Jan. 10, 1951.

Ser. No. 618,766. Sunstripe Corporation, Rochester, N. Y. Filed Sept. 13, 1951.

SUNSTRIPE

For Volumetric Glassware for Laboratory Use, i. e., Hollow Glassware Employed in Laboratories for Measuring Volumes of Liquids.
Claims use since Mar. 5, 1951.

Ser. No. 619,158. Harry J. Graw, Chicago, Ill. Filed Sept. 24, 1951.

Sandmar

For Camera Lenses.
Claims use since Aug. 9, 1951.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 612,758. Pierce Watch Company, Inc., New York, N. Y. Filed Apr. 17, 1951. (Sec. 2f.)

PIERCE

Applicant claims ownership of Registration No. 347,455.
For Watches; Chronographs—Namely, a Combination of Timepiece and Stop Watch in One Instrument; Stop Watches, Watch Movements, Chronograph Movements, Stop Watch Movements, Watch Cases, Chronograph Cases, and Stop Watch Cases.
Claims use since Apr. 15, 1931.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 566,114. Alwin Brush & Supply Company, Milwaukee, Wis. Filed Sept. 30, 1948.

HANDY DANDY

For Floor Brushes.
Claims use since Aug. 1, 1948.

Ser. No. 584,408. Lactona Incorporated, St. Paul, Minn. Filed Sept. 2, 1949.

BLUE LINE

The word "Line" is disclaimed.
For Toothbrushes.
Claims use since May 31, 1949.

Ser. No. 594,610. Lois S. Adams, New York, N. Y. Filed Mar. 25, 1950.

MULTI-MIT

The word "Mit" is disclaimed.
For Cleaning Mit.
Claims use since Mar. 8, 1950.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 605,671. Charles A. Navlen, New York, N. Y. Filed Oct. 31, 1950.

TRADER HORN

For Gas and Electric Household Refrigerators and Electric Household Freezers.
Claims use since May 8, 1950.

Ser. No. 616,168. General Ceramics and Steatite Corp., Keasbey, N. J. Filed July 6, 1951.

IMPERVITE

For Sectional Cascade Coolers.
Claims use since Aug. 1, 1948.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 513,274. Bunny Bear Inc., Everett, Mass., assignee of Rand Rubber Company, Inc. Original filed, act of 1905, Nov. 26, 1946; amended to application under act of 1946, Principal Register, Feb. 9, 1950. (Sec. 2f.)

NEVAWET

Applicant claims ownership of Registration No. 195,852.
For Infants' Crib Mattresses.
Claims use since May 3, 1924.

Ser. No. 593,907. Chautauqua Cabinet Company, doing business under the name "Kling Factories," Mayville, N. Y. Original filed, act of 1946, Supplemental Register, Mar. 14, 1950; amended to application, Principal Register, Feb. 27, 1951. (Sec. 2f.)

KLING

Applicant claims ownership of Registrations Nos. 392,977 and 393,397.
For Bedroom Furniture—Namely, Dressers, Chests, Vanities, Beds, Chests on Chests, Chest Desks, Chest Robes, Highboys, Lowboys, Night Tables, Chairs, Stools, and Benches.
Claims use since Jan. 28, 1938, on the word "Kling"; and since 1947 on the mark as shown.

Ser. No. 598,798. Harold L. Kirby, Glendale, Calif. Filed June 8, 1950.

Gadabout

For Baby Furniture and Equipment—Namely, Baby Bassinets.
Claims use since May 29, 1950.

Ser. No. 603,301. Knoll Associates, Inc., New York, N. Y. Filed Sept. 8, 1950. (Sec. 2f as to "Knoll.")

KNOLL INTERNATIONAL

For Articles of Furniture—Namely, Tables, Desks, Seats, Chairs, Stools, Couches, Sofas, Beds, Chests, Cabinets, and Trays.
Claims use since Aug. 23, 1950, as to the mark shown; since Feb. 26, 1947, as to "Knoll International"; and since Nov. 23, 1949, as to "Knoll International" and design.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 551,865. The Cussins and Fearn Company, Columbus, Ohio. Filed Mar. 13, 1948. CONCURRENT USE with Serial No. 554,415 for the territory comprising the States of the United States lying east of the Mississippi River.

RELIANCE

For Coal, Kerosene, Crude Oil, and Gas-Fired Space Heaters; Radiant Space Heaters; Magazine-Type Heaters; Gas, Coal, and Kerosene-Fired Cooking Ranges; Gas-Fired Hot Plates; Gas Fired Bathroom Heaters; Coal-Fired Laundry Heaters; Coal, Gas, and Oil-Fired Heating Furnaces; Furnace Blowers; Furnace Stokers; Kerosene and Gasoline-Fired Camp Stoves; Gas, Coal, and Oil-Fired Water Heaters; and Range Boilers.
Claims use since Sept. 1, 1921.

Ser. No. 554,415. Reliance Products Corporation, Portland, Oreg. Filed Apr. 12, 1948. CONCURRENT USE with Serial No. 551,865 for the area comprising the States west of the Mississippi River.

RELIANCE

For Oil Burners, Oil Burning Stoves, and Parts Thereof.
Claims use since February 1938.

Ser. No. 596,666. Hook & Ackerman, Inc., New York, N. Y. Filed May 1, 1950.

HYDROTHERM

Applicant claims ownership of Registration No. 352,344.
For Gas Fired Hot Water Boilers.
Claims use since Jan. 1, 1946.

Ser. No. 604,021. Oesterreichische Knopf und Metallwarenfabrik J. Meister & Co., Vienna, Austria. Filed Sept. 26, 1950.

Flashmaster

Applicant claims ownership of Austrian Registration No. 17,630, dated Jan. 30, 1950.
For Igniters Emitting Sparks Which Ignite Gas Such as the Gas Which Comes From a Kitchen Stove.

Ser. No. 605,672. Charles A. Navlen, New York, N. Y. Filed Oct. 31, 1950.

TRADER HORN

For Household Air Conditioning Units.
Claims use since May 8, 1950.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 599,043. Wilkening Manufacturing Company, Philadelphia, Pa. Filed June 13, 1950.

CROMFLEX

Applicant claims ownership of Registration No. 270,464.
For Piston Rings.
Claims use since May 11, 1950.

Ser. No. 609,797. Hanover Cordage Company Incorporated, Hanover, Pa. Filed Feb. 8, 1951.

DU-AL

For Packing Materials Made Wholly of or From Various Combinations of Fibre, Cordage, Hemp, and/or Jute, Used in Making Watertight Joints in Plumbing Fixtures.
Claims use since May 9, 1950.

Ser. No. 612,508. Robbins Tire & Rubber Company, Inc., Tuscumbia, Ala. Filed Apr. 11, 1951.



The drawing is lined for shading.
For Inner Tubes for Pneumatic Tires.
Claims use since Nov. 6, 1950.

CLASS 37

PAPER AND STATIONERY

Ser. No. 546,927. Mid-States Gummed Paper Co., Chicago, Ill. Filed Sept. 9, 1947.



The representation of the roll of paper is disclaimed. The trade-mark consists in the green coloring of the core upon which the paper is wound. Applicant claims ownership of Registrations Nos. 210,556, 223,866, and 229,810.
For Kraft Paper, Sulphite Paper, Bond Paper, Ground-Wood Paper, and Manila Paper, Both Gummed and Ungummed, Sold in Wide Rolls.
Claims use since Nov. 1, 1919.

Ser. No. 589,819. John H. Willig, doing business as Celwa Products Co., New York, N. Y. Filed Dec. 22, 1949.

CELWA

For Paper Pads and Paper Paddings, Paper Wadding Pads and Paper Moulds, Paper Packing Pads, Mailing and Correspondence Envelopes, Paper Candy Paddings, Facial Tissues Made of Paper and Cleansing Tissue, Paper Napkins, Toilet Paper, Paper Coasters, and Paper Doilies.
Claims use since June 1941.

Ser. No. 599,244. Inland Empire Paper Company, Millwood, Wash. Filed June 16, 1950. (Sec. 2f.)

FIBRETINT

For Mimeograph Paper and Bristol Paper.
Claims use since September 1936.

Ser. No. 603,223. Curtis Paper Company, Newark, Del. Filed Sept. 7, 1950.



Utopian

For Book Paper.
Claims use since 1944.

Ser. No. 612,817. National Blank Book Company, Holyoke, Mass. Filed Apr. 18, 1951. (Sec. 2f.)

EYE-EASE

Applicant claims ownership of Registrations Nos. 315,168 and 513,727.
For Blank Sheets for Bookkeeping Records; Paper Sheet Packs for Filling Loose Leaf Binders; Blank Sheets of Writing Paper, and Paper Sheets for Bound Blank Books.
Claims use since June 1933.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 590,610. Mercury Advertising Agency, Inc., Los Angeles, Calif. Filed Jan. 10, 1950. (Sec. 2f.)

NEWS VIEWS

For Prepared Advertising, Sold as Such.
Claims use since September 1939.

Ser. No. 604,383. Phi Alpha Theta, Allentown, Pa. Filed Oct. 3, 1950. (Sec. 2f.)

The HISTORIAN

For Publication Published Semi-Annually.
Claims use since December 1939.

Ser. No. 605,848. Douglas Fir Plywood Association, Tacoma, Wash. Filed Nov. 3, 1950.

THE MODERN MIRACLE IN WOOD

For House Organ Published From Time to Time.
Claims use since Sept. 3, 1943.

Ser. No. 614,620. Alan Foster, doing business as Alan Foster Associates, New York, N. Y. Filed June 1, 1951.

VERITOX

For Photographic Prints.
Claims use since Oct. 5, 1950.

Ser. No. 614,689. De Walt Inc., Lancaster, Pa. Filed June 4, 1951.

saw tips

For Leaflets Published Periodically.
Claims use since Mar. 22, 1951.

Ser. No. 615,020. Penguin Books, Inc., Baltimore, Md. Filed June 11, 1951



For Books.
Claims use since 1940.

CLASS 39

CLOTHING

Ser. No. 551,829. Tame Shoe Corporation, New York, N. Y. Filed Mar. 12, 1948. (Sec. 2f.)

Boyd & Haig

Applicant claims ownership of Registration No. 359,637.
For Shoes Made of Leather.
Claims use since Mar. 27, 1925.

Ser. No. 565,631. Keystone Slipper Co., Inc., Philadelphia, Pa. Filed Sept. 22, 1948.

TOPKIX

For Women's Shoes.
Claims use since July 2, 1945.

Ser. No. 580,388. Wells Lamont Corporation, Chicago, Ill. Filed June 13, 1949.



For Work Gloves of Fabric.
Claims use since Apr. 20, 1949.

Ser. No. 587,182. David Crystal, Inc., New York, N. Y. Filed Nov. 2, 1949.

David CRYSTAL

The words "David Crystal" is the name of an individual, whose consent is given. Applicant claims ownership of Registrations Nos. 393,659 and 513,749.
For Ladies' and Misses' Dresses, Coats, Suits, Blouses, and Skirts.
Claims use since 1906.

Ser. No. 589,501. Desco Shoe Corp., New York, N. Y. Filed Dec. 17, 1949.

Revelations by DESCO

Applicant claims ownership of Registrations Nos. 437,027, 437,530, 443,706, and 517,052.
For Misses', Girls', Boys', Men's, Women's, and Children's Shoes of Leather, Fabric, or Part Leather and Part Fabric.
Claims use since Oct. 19, 1949.

Ser. No. 591,850. A. Harris and Company, Dallas, Tex. Filed Feb. 2, 1950.

Texas Norther

The word "Texas" is disclaimed.
For Women's Sling Capes.
Claims use since Aug. 1, 1949.

Ser. No. 597,119. Bates Shoe Company, Webster, Mass. Filed May 9, 1950. (Sec. 2f as to "Bates.")

BATES *Originaire*

Applicant claims ownership of Registrations Nos. 53,371, 211,925, 205,460, 354,260, 413,961, and 430,627.
For Shoes.
Claims use since Mar. 8, 1950, as to the mark shown; and since Jan. 1, 1890, as to "Bates."

Ser. No. 598,190. International Shoe Company, St. Louis, Mo. Filed May 26, 1950.

Vitality wanderlust

Applicant claims ownership of Registration No. 273,668.
For Shoes of Leather, Fabric and/or Combinations Thereof for Men, Women, and Children.
Claims use since May 3, 1950.

Ser. No. 600,041. The Florsheim Shoe Company, Chicago, Ill. Filed June 30, 1950.

PED WELD

The word "Weld" is disclaimed. Applicant claims ownership of Registrations Nos. 305,602 and 249,479.
For Men's and Women's Shoes, Made of Leather.
Claims use since 1930.

Ser. No. 600,637. Winer Manufacturing Co., Inc., Hammond, Ind. Filed July 13, 1950.

TWINsulation

For Men's Outer Jackets.
Claims use since Mar. 15, 1950.

Ser. No. 601,388. Winer Manufacturing Co., Inc., Hammond, Ind. Filed July 28, 1950.



The word "Fluffy" is disclaimed.
For Men's Outer Jackets.
Claims use since Feb. 7, 1949.

Ser. No. 601,389. Winer Manufacturing Co., Inc., Hammond, Ind. Filed July 28, 1950.



For Men's Outer Jackets.
Claims use since Feb. 14, 1950.

Ser. No. 602,594. Bellerose Products Co., Manhasset, N. Y. Filed Aug. 23, 1950.

SLOGS

For Canvas Reversible Safety Shoes, for Industrial Use by Both Men and Women.
Claims use since Nov. 4, 1949.

Ser. No. 603,189. Julius Garfinckel & Co., Incorporated, Washington, D. C. Filed Sept. 6, 1950.

Greenbrier

Applicant claims ownership of Registrations Nos. 173,383 and 408,767.
For Ladies', Misses', and Girls' Suits, Dresses, Skirts, Coats, Waists, Sweaters, Riding Habits, Knickerbockers, Bathing Suits, Scarfs, Stockings, All-Leather Gloves and Gloves of All Fabric and Gloves of Combined Leather and Fabric, and Hats; Women's, Men's, and Children's Clothing—Namely, Sweaters, Sport Coats, Casual Jackets, Snowsuits, Outerwear—Namely, Coats and Jackets, and Leather Jackets.
Claims use since Dec. 28, 1922.

Ser. No. 603,917. Fairfield Glove Co., Fairfield, Iowa. Filed Sept. 23, 1950.

Sittin SOX

The word "Sox" is disclaimed per se.
For Slipper Sox for Men, Women, and Children Made of Leather and Knitted Fabrics Combined.
Claims use since July 5, 1950.

Ser. No. 604,715. A. J. Beford Shoe, Incorporated, Lititz, Pa. Filed Oct. 11, 1950.



For Infants', Children's, Misses', and Little Gents' Cowboy Boots and Felt Slippers.
Claims use since Apr. 14, 1950.

Ser. No. 606,074. Corset Specialties, Inc., New York, N. Y. Filed Nov. 8, 1950.

PORAY

For Brassières, Girdles, and Combinations of Brassières and Girdles.
Claims use since May 17, 1950.

Ser. No. 606,292. Gotham Hosiery Company, Inc., New York, N. Y. Filed Nov. 13, 1950.

Fashion Four

The word "Fashion" is disclaimed.
For Women's Hosiery.
Claims use since Oct. 20, 1950.

Ser. No. 607,210. Arch-Aid Shoe Shop, Inc., New York, N. Y. Filed Dec. 2, 1950. (Sec. 2f.)

Archaid

The drawing is lined for shading purposes only.
For Shoes for Men and Women.
Claims use since May 1, 1926.

Ser. No. 607,801. James De Marco, Middle Village, N. Y. Filed Dec. 18, 1950.

ROCKETTES

For Ladies', Misses', and Children's Shoes, Slippers Made of Leather, Fabrics, and Compositions and Combinations Thereof.
Claims use since July 1950.

Ser. No. 608,839. Trimfoot Company, Farmington, Mo. Filed Jan. 16, 1951.

Trimwelt

Applicant claims ownership of Registrations Nos. 210,581 and 402,683.
For Shoes Made Substantially of Leather, Fabric or Rubber or Combinations Thereof, for Women and Children.
Claims use since Oct. 30, 1950.

Ser. No. 609,798. Hickok Manufacturing Co. Inc., Rochester, N. Y. Filed Feb. 8, 1951. (Sec. 2f.)

HICKOK

Applicant claims ownership of Registrations Nos. 274,484, 419,890, and 517,146.
For Boys' and Men's Raincoats, Jackets, Gloves, Pants, Hats, and Outer Shirts.
Claims use since June 20, 1932.

Ser. No. 610,275. Phil Jacobs Co., Inc., Kansas City, Mo. Filed Feb. 19, 1951.

phil jacobs

For Women's Suits, Coats, and Dresses.
Claims use since February 1946.

Ser. No. 610,288. Midwest Footwear, Inc., Sullivan, Mo. Filed Feb. 19, 1951.

Nite-Aires

For Shoes, Slippers, and Moccasins of Leather, Cloth, Plastic, Felt, or Combinations Thereof for Women.
Claims use since Jan. 26, 1951.

Ser. No. 610,928. Sherrod Shirt Company, High Point, N. C. Filed Mar. 6, 1951.

TRACTOR

For Work Shirts.
Claims use since May 16, 1928.

Ser. No. 611,507. Ellay Stores, Inc., New York, N. Y. Filed Mar. 19, 1951.

Ellbrook

For Men's and Women's Suits and Coats.
Claims use since Aug. 1, 1929.

Ser. No. 611,527. Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Filed Mar. 19, 1951.

ALCO

For Light-Weight Rubber Shoes for Men and Boys.
Claims use since Sept. 15, 1915.

Ser. No. 611,770. Craddock-Terry Shoe Corporation, Lynchburg, Va. Filed Mar. 26, 1951. (Sec. 2f.)

Poise Modelle

Applicant claims ownership of Registration No. 296,706.
For Women's Shoes.
Claims use since 1927.

Ser. No. 611,857. Royce Shoe Corporation, Boston, Mass. Filed Mar. 27, 1951.

Calipso

The word "Originals" is disclaimed.
For Women's Shoes Made of Leather, Fabric, Synthetic Materials, and Combinations Thereof.
Claims use since Jan. 5, 1951.

Ser. No. 611,858. Royce Shoe Corporation, Boston, Mass. Filed Mar. 27, 1951.

Rockette by Nancy Claire

The name "Nancy Claire" is fanciful.
For Women's Shoes Made of Leather, Fabric, Synthetic Materials, and Combinations Thereof.
Claims use since Dec. 14, 1950.

Ser. No. 611,859. Royce Shoe Corporation, Boston, Mass. Filed Mar. 27, 1951.

Nancy Claire

The name "Nancy Claire" is fanciful.
For Women's Shoes Made of Leather, Fabric, Synthetic Materials, and Combinations Thereof.
Claims use since Dec. 14, 1950.

Ser. No. 611,873. Algy Shoes, Inc., Everett, Mass. Filed Mar. 28, 1951.

Fiddle

For Shoes for Men, Women, and Girls.
Claims use since Mar. 20, 1951.

Ser. No. 612,893. Bridal Originals, St. Louis, Mo. Filed Apr. 20, 1951.

Sylvia of the Bridal Originals

The term "Bridal Originals" is disclaimed. The picture of the girl is fanciful. Applicant claims ownership of Registration No. 538,287.
For Women's and Misses' Wedding Gowns and Dresses for Formal Wear.
Claims use since Jan. 1, 1947.

Ser. No. 612,901. Leslie Fay Fashions, Inc., New York, N. Y. Filed Apr. 20, 1951.

Briarbrook

Applicant claims ownership of Registration No. 314,342.
For Women's and Misses' Coats and Suits of Woolen, Silk, Rayon, and Cotton Fabrics.
Claims use since Jan. 1, 1934.

Ser No. 613,165. Endicott Johnson Corporation, Endicott, N. Y. Filed Apr. 26, 1951.

Permacounter

For Shoe Counters.
Claims use since Mar. 27, 1951.

Ser. No. 613,218. Faleck & Lamkay Co., New York, N. Y. Filed Apr. 27, 1951.

Falenti

For Ladies' Shoes.
Claims use since October 1950.

Ser. No. 613,351. Tupper Shoes, Inc., New York, N. Y. Filed Apr. 30, 1951.

Falenti

For Ladies' Shoes of Cloth, Leather, Rubber, and Combinations Thereof.
Claims use since Feb. 15, 1951.

Ser. No. 613,654. Seg-Mar, Inc., New Orleans, La. Filed May 8, 1951.

BIG GONG

For Clothing for Men and Boys—Namely, Underwear, Sport Shirts, Work Shirts, Work Pants, and Dress Pants.
Claims use since Apr. 11, 1946.

Ser. No. 613,757. Barbara Jean Hosiery Company, Penndel, Pa. Filed May 11, 1951.

Barbara Jean

For Women's Hosiery.
Claims use since Jan. 10, 1939.

Ser. No. 614,080. Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C.

DEAUVILLE

Filed May 19, 1951.
For Women's Hosiery.
Claims use since May 3, 1951.

Ser. No. 614,801. Artistic Foundations, Inc., New York, N. Y. Filed June 4, 1951.

FULL BLOOM

For Brassières.
Claims use since May 28, 1951.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 597,803. Abbeville Mills, Abbeville, S. C. Filed May 20, 1950.

DURAMIL

For Water Repellent and Wrinkle Resistant Fabrics Made of Wool, Nylon, and Rayon or Mixtures Thereof.
Claims use since Apr. 21, 1950.

Ser. No. 598,455. Copley Fabrics, Inc., New York, N. Y. Filed June 2, 1950.

EL CABELLERO

For Rayon Piece Goods.
Claims use since May 1, 1948.

Ser. No. 611,826. The Calico Printers' Association Limited, Manchester, England. Filed Mar. 27, 1951.

The numerals "4444" are disclaimed. Applicant claims ownership of British Registration No. 690,822, dated July 18, 1950.
For Piece Goods of Cotton, Silk, Rayon, Nylon, Linen, Hemp, Wool, Worsted, or Hair, or Mixtures of These Materials.

Ser. No. 611,885. Broad Brook Company, Broad Brook and East Windsor, Conn. Filed Mar. 28, 1951.

Chevi Twist

The word "Twist" is disclaimed. Applicant claims ownership of Registration No. 372,932.
For Cloth—Namely, Woolen and Worsted Fabrics, All in the Bolt or Piece, and for Use as Overcoating, Suiting, Automobile Robe and Upholstery Material.
Claims use since Feb. 1, 1939.

Ser. No. 612,251. Gloversville Knitting Company, Gloversville, N. Y. Filed Apr. 5, 1951.

Aristopac

For Lining Fabrics Composed of Cotton Cloth Backing Having an Alpaca Wool Pile on One Side.
Claims use since Mar. 30, 1951.

Ser. No. 612,542. Greeff Fabrics, Inc., New York, N. Y. Filed Apr. 12, 1951.

Document

Applicant claims ownership of Registration No. 332,903.
For Textile Fabrics in the Piece Composed of Cotton, Rayon, and Wool Fibres.
Claims use since September 1938.

Ser. No. 612,699. McConnell-Kerr Company, Detroit, Mich. Filed Apr. 16, 1951.

BAR-NONE

For Sheets and Pillowcases and Sheeting by the Yard.
Claims use since October 1924.

Ser. No. 614,113. Martin Weiner Corp., New York, N. Y., and Clifton, N. J. Filed May 19, 1951.

Dynella

For Textile Fabrics in the Piece Composed of Rayon, Cotton, Wool, Silk, Linen, Nylon, and Combinations Thereof.
Claims use since Feb. 19, 1951.

CLASS 43

THREAD AND YARN

Ser. No. 604,959. Drummondville Cotton Company, Limited, Montreal, Quebec, Canada. Filed Oct. 16, 1950.

BLUENOSE

Applicant claims ownership of Canadian Registration No. 29/8166, dated Apr. 14, 1937.
For Threads for Use in the Fishing Industry and for Commercial or Industrial Purposes.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 614,664. J. F. Jelenko & Co., Inc., New York, N. Y. Filed June 2, 1951.

Colora

For Gold Alloy Used for Dental Purposes—Namely, for Orthodontic Work, Bridgework, and Partial Dentures.
Claims use since Mar. 26, 1951.

Ser. No. 614,818. The Columbus Dental Manufacturing Co., Columbus, Ohio. Filed June 6, 1951. (Sec. 2f as to "Steele's.")

Steele's
D-B

Applicant claims ownership of Registrations Nos. 98,365 and 98,366.
For Metallic Backings for Artificial Teeth.
Claims use since Feb. 5, 1951, as to the mark shown; and since 1902 as to "Steele's."

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 583,277. National Retailer-Owned Grocers, Inc., Chicago, Ill. Filed Aug. 10, 1949. (Sec. 2f.)

Shurfine

For Grape Juice, and Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts for Making Same.
Claims use since June 1, 1936.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 508,886. Balbo Oil Corporation, Brooklyn, N. Y., assignee of Balbo Oil Co. Original filed, act of 1905, Sept. 12, 1946; amended to act of 1946, Principal Register, Dec. 17, 1947. (Sec. 2f.)



For Olive Oil.
Claims use since Jan. 1, 1935.

Ser. No. 515,125. C. F. Mueller Company, Jersey City, N. J., by merger with C. F. Mueller Co. Original filed, act of 1905, Dec. 31, 1946; amended to application under act of 1946, Principal Register, Feb. 9, 1949. (Sec. 2f.)

MUELLER

Applicant claims ownership of Registration No. 83,685.
For Alimentary Pastes.
Claims use since Aug. 1, 1907.

Ser. No. 529,280. Maritime Milling Co. Inc., Buffalo, N. Y. Filed July 23, 1947.

B-B

Applicant claims ownership of Registrations Nos. 204,081 and 284,352.
For Poultry Feed Comprised Principally of Corn Meal, Soybean Oil Meal, Alfalfa Meal, Oats, and Bran; Scratch Feed Comprised of Cracked Corn, Wheat, Barley, and Clipped Oats; Horse Feed Comprised Principally of Cracked Corn, Crimped Oats, Wheat Bran, and Alfalfa Meal; Goat Feed Comprised Principally of Corn Meal, Crushed Oats, Dehydrated Alfalfa Meal, and Wheat Bran; and Calf Meal Comprised Principally of Corn Meal, Wheat Middlings, Soybean Oil Meal, and Pulverized Barley.
Claims use since Jan. 4, 1929.

Ser. No. 535,018. Harvey C. Fox, doing business as Fox Candy Company, Cleveland, Ohio. Filed Sept. 19, 1947.

Frances Willard

The name "Frances Willard" is the name of a well-known American woman now deceased. Applicant claims ownership of Registration No. 429,778.
For Candy.
Claims use since Sept. 14, 1940.

Ser. No. 546,302. Hygrade Food Products Corporation, New York, N. Y. Filed Jan. 6, 1948. (Sec. 2f.)

CADILLAC

Applicant claims ownership of Registrations Nos. 75,383, 182,222, and 400,272.
For Sausage, Ham, Bacon, Lard, and Cheese.
Claims use since December 1908.

Ser. No. 550,023. Clinton Industries Inc., Clinton, Iowa, now by change of name Clinton Foods Inc., a corporation of Delaware. Filed Feb. 18, 1948. (Sec. 2f.)

CLINTON

The drawing is lined for the color red. Applicant claims ownership of Registrations Nos. 169,121, 202,085, 202,086, 390,235, and others.
For Corn Syrup, Corn Oil for Use in Salads and Cooking, Corn Gluten Feed for Live Stock, Corn Oil Meal for Live Stock, Corn Starch for Use in Cooking, Soy Bean Oil for Use in Salads and Cooking, Soy Bean Oil Meal for Stock Feeds, Dessert Powders, Refined Corn Sugar, Corn Gluten Meal for Stock Feeds, Edible Lactic Acid for Use in Preserves, Pickles, Confections, and Other Food Preparations.
Claims use since Jan. 6, 1921.

Ser. No. 558,024. John W. Eshelman & Sons, Lancaster, Pa. Filed May 28, 1948. (Sec. 2f.)
Applicant claims ownership of Registrations Nos. 248,851 and 253,916.

Eshelman

For Poultry Foods Having as Their Principal Ingredients Mixed Grains, Meat Scrap, and Minerals; Pigeon Feed Having Mixed Grains and Peas as Principal Ingredients; Livestock Foods—Namely, Dog and Puppy Foods and Dog Biscuits, Both Having as Their Principal Ingredients Meat Meal, Grains, Soy Beans, and Added Vitamins and Minerals; Horsefeed Consisting Primarily of Mixed Grains; Pig and Hog Meal Consisting Primarily of Mixed Grains and Minerals; Steer Feed Consisting Primarily of Cottonseed Meal, Soybean Oil Meal, Linseed Oil Meal, and Added Minerals; Steer Supplement Consisting Primarily of Meat Scrap, Linseed Oil Meal, Cottonseed Meal, Soybean Oil Meal, Molasses, and Bone Meal; and Dairy Feed Consisting Primarily of Cottonseed Meal, Grains, Vegetable Fats, and Minerals; Corn Meal, Wheat Flour for Use in Animal Feeds, Oats, Corn in the Whole Grain and Steel Cut Corn, Wheat, Barley, Kaffir and Milo, Alfalfa Meal, Hominy Feed, Brewers Dried Grains, Distillers Dried Grains, Cottonseed Meal, Soybean Oil Meal, Wheat Bran, Linseed Oil Meal, Middlings, Dried Whey, Granite Grit for Poultry, Salt, Oyster Shells for Poultry, Meat Scrap, Bone Meal, Charcoal for Poultry, and Wheat Germ Oil for Addition to Animal Feeds.
Claims use since 1885.

Ser. No. 560,685. Continental Coffee Company, Inc., Chicago, Ill. Filed July 3, 1948.

CONTINENTAL

For Cocoa.
Claims use since Mar. 1, 1915.

Ser. No. 561,883. Cia. Anma. Toddy Venezolana, Caracas, Venezuela. Filed July 22, 1948. (Sec. 2f.)

DENIA

Applicant claims ownership of Registration No. 383,102.
For Powdered Milk.
Claims use since Sept. 7, 1938; and first used in commerce among the several States on Sept. 7, 1938.

Ser. No. 563,893. Beloit Milling Company, Beloit, Ohio. Filed Aug. 24, 1948. (Sec. 2f.)

BELOIT

For Soft Winter Wheat Pastry Flour.
Claims use since October 1910.

Ser. No. 568,007. Sunnydale Ice Cream Co. Inc., Brooklyn, N. Y. Filed Nov. 1, 1948.

André

For Bulk Ice Cream and Ice Cream Novelties—Namely, Ice Cream Cakes, Fruit Ices, Ice Cream Sandwiches, Ice Cream Pops, Ice Cream Sundaes, Ice Cream Tarts, Twin Ice Sticks.
Claims use since Aug. 15, 1948.

Ser. No. 570,562. The Kosto Co., Chicago, Ill. Filed Dec. 15, 1948.

KOSTO

Applicant claims ownership of Registrations Nos. 257,301, 264,958, and 323,235.

For Food Preparation in Powdered Form for Making Puddings, Pies, Desserts and Cakes.

Claims use since Sept. 25, 1936.

Ser. No. 571,305. Vaca Foods, Inc., Chicago, Ill. Filed Dec. 29, 1948.

LITTLE GOOSE

For Preserved Sea Foods—Namely, Sardines and Shrimp Cocktail; and Anchovies and Crackers.

Claims use since Jan. 1, 1947.

Ser. No. 573,429. Joe Lowe Corporation, New York, N. Y. Filed Feb. 7, 1949.

PATTY-CAKE

The word "Cake" is disclaimed. Applicant claims ownership of Registration No. 349,175.

For Frozen Confections on a Stick and Powdered Flavoring Materials for Making the Same.

Claims use since Jan. 31, 1949.

Ser. No. 574,269. H. B. Hunter Company, Inc., Norfolk, Va. Filed Jan. 26, 1949. (Sec. 2f.)

CHOC-O-MIX

For Cooked and Emulsified Product of Cocoa, Sugar, and Flavorings for Flavoring Ice Cream.

Claims use since Jan. 1, 1925.

Ser. No. 580,385. Frank Verga, Moss Landing, Calif., assignor to Santa Cruz Canning Company, San Francisco, Calif., a corporation. Filed June 13, 1949.

Surf King

For Canned Sardines.

Claims use since Jan. 29, 1949.

Ser. No. 580,995. Leader Novelty Candy Co., Inc., Brooklyn, N. Y. Filed June 24, 1949.



The portrait on the drawing is that of a fictitious individual.

For Chocolates and Hard Candy.

Claims use since Dec. 20, 1948.

Ser. No. 583,058. Tip Top Ice Cream Company (Wellington) Limited, Waterloo Quay, Wellington, New Zealand. Filed Aug. 5, 1949.

Flavorflo

Applicant claims ownership of New Zealand Registration No. 47,193, dated Nov. 23, 1948.

For Water Ices, and Ice Cream in bulk and in Various Frozen Shapes and Forms.

Ser. No. 586,224. Chivers & Sons, Limited, Histon, Cambridge, England. Filed Oct. 1, 1949. (Sec. 2f.)

Chivers'

Applicant claims ownership of United States Registration No. 193,039.

For Marmalade, Fruit Jellies, and Jams.

Claims use since 1873 in England; and since March 1909 in commerce between Great Britain and the United States.

Ser. No. 587,134. S & S Cone Corporation, New York, N. Y. Filed Nov. 1, 1949. (Sec. 2f.)

MANHATTAN

Applicant claims ownership of Registrations Nos. 258,229, 258,230, and 303,231.

For Empty Ice Cream Cones.

Claims use since February 1919.

Ser. No. 589,735. Merkel, Inc., Jamaica, N. Y. Filed Dec. 21, 1949.

QUEEN'S TASTE

The word "Taste" is disclaimed.

For Meats—Namely, Canned Ham, Smoked Pork Shoulder, and Bacon.

Claims use since October 1929.

Ser. No. 589,960. Dupuis Produce Company, Breaux Bridge, La. Filed Dec. 27, 1949.



The picture of the boy is of a fanciful person. The representation of the yams is disclaimed.

For Raw, Whole Yams.

Claims use since Jan. 10, 1948.

Ser. No. 592,020. Euclid Candy Company of California, Inc., San Francisco, Calif. Filed Feb. 6, 1950.

EUCLID'S

Applicant claims ownership of Registrations Nos. 362,289, 370,554, and 387,603.

For Candy.

Claims use since 1918.

Ser. No. 592,274. The Mann Company of Washington, Washington, D. C. Filed Feb. 10, 1950.

Comanchees

For Deep Fried Cheese Flavored Corn Meal Product in Puffed Form.

Claims use since Jan. 9, 1950.

Ser. No. 593,182. Adolf J. Mainzer, Inc., New York and Long Island City, N. Y. Filed Feb. 28, 1950.



The figure shown in the drawing is fanciful. Applicant claims ownership of Registration No. 207,897.

For Candied Fruit Peel and Fruit for Inclusion in Cakes and Other Baked Goods and for Toppings Therefor and Icings for Pastries, Tarts, Cakes, Creams, and Meringues, Consisting of Sugar, Fruit, and Agar-Agar.

Claims use since Apr. 1, 1926.

Ser. No. 593,805. Little Crow Milling Company, Inc., Warsaw, Indiana. Filed Mar. 11, 1950.

Miracle MAIZE

The word "Maize" is disclaimed.

For Mix of Corn Meal, Wheat Flour, and Other Ingredients for Corn Bread, Corn Sticks, Muffins, Pancakes, and the Like.

Claims use since Nov. 16, 1939.

Ser. No. 594,197. Herbert K. Clofine, Philadelphia, Pa. Filed Mar. 18, 1950.

CHEE-WAY

The word "Way" is disclaimed.

For Dried Cheese Whey.

Claims use since Jan. 9, 1950.

Ser. No. 596,300. Geo. F. Stuhmer & Company, Brooklyn, N. Y. Filed Apr. 25, 1950. (Sec. 2f as to "Stuhmer's.")

STUHMER'S

Applicant claims ownership of Registrations Nos. 302,530, 302,531, and others.

For Bakery Products—Namely, Bread.

Claims use since Oct. 13, 1949, on the mark as shown; and since 1884 on the word "Stuhmer's."

Ser. No. 597,035. Parkview Markets, Inc., Cincinnati, Ohio. Filed Apr. 5, 1950.

Little Skipper



For Canned Vegetables—Namely, Corn, Beans With Pork, Kidney Beans, Tomatoes, Tomato Puree, Spinach; Canned Fruits—Namely, Apple Sauce, Pears.

Claims use since Apr. 9, 1948.

Ser. No. 597,695. The John G. Paton Company, Inc., New York, N. Y. Filed May 18, 1950.

Golden Blossom

Applicant claims ownership of Registrations Nos. 140,090 and 347,462.

For Canned Crushed Pineapple, Canned Fine Cut Pineapple, and Canned Sliced Pineapple.

Claims use since June 20, 1949.

Ser. No. 597,741. Fred Fear & Co., Brooklyn, N. Y. Filed May 19, 1950.

Puritan

Applicant claims ownership of Registration No. 255,902.

For Flavored Syrups, Flavoring Extracts, and Flavored Frostings for Food Purposes.

Claims use since 1906.

Ser. No. 597,752. Hart's Bakery, Inc., Sikeston, Mo. Filed May 19, 1950. (Sec. 2f.)

Hart's

For Bread and Rolls.

Claims use since May 1, 1943.

Ser. No. 600,311. Swift & Company, Chicago, Ill., doing business as Iowa Packing Company, Division of Swift & Company, Des Moines, Iowa. Filed July 6, 1950.

Gridiron

For Bacon.
Claims use since 1929.

Ser. No. 600,778. S. S. Kresge Company, Detroit, Mich. Filed July 17, 1950.

FRANKLIN VILLAGE



For Candy.
Claims use since July 5, 1950.

Ser. No. 601,275. C. J. Patterson Company, Kansas City, Mo. Filed July 26, 1950.

UniMalt

The word "Malt" is disclaimed.
For Highly Diastatic Malt Used as an Ingredient for Foods.
Claims use since Dec. 15, 1949.

Ser. No. 602,015. American Stores Company, Philadelphia, Pa. Filed Aug. 10, 1950.

Ideal

Applicant claims ownership of Registrations Nos. 50,065, 52,923, 52,924, 54,591, 440,178, and 26,322.
For Fresh Eggs.
Claims use since July 15, 1950.

Ser. No. 602,436. Clinton Foods Inc., Clinton, Iowa. Filed Aug. 19, 1950.

CLINTAN

For Non-Crystallizable Corn Sugar Syrup for Use in the Manufacture of Caramel Color.
Claims use since Mar. 3, 1950.

Ser. No. 603,340. National Cranberry Association, Hanson, Mass. Filed Aug. 29, 1950.

Ocean Spray

Applicant claims ownership of Registrations Nos. 106,795, 283,708, 378,109, and 397,586.
For Canned Frozen Cranberry Juice for Food Purposes.
Claims use since Mar. 8, 1950.

Ser. No. 605,380. The Suffolk Peanut Company, Suffolk, Va. Filed Oct. 24, 1950. (Sec. 2f.)

No. 1

Applicant claims ownership of Registration No. 75,518.
For Raw Unshelled Peanuts.
Claims use since Jan. 1, 1894.

Ser. No. 606,224. Independent Salmon Canneries, Inc., Seattle, Wash. Filed Nov. 10, 1950.

Little Fisherman

For Canned Salmon.
Claims use since Sept. 19, 1950.

Ser. No. 608,049. Stockyards Packing Co. Inc., Chicago, Ill. Filed Dec. 23, 1950.

Pleasure Chest

The word "Chest" is disclaimed.
For Beef Steaks Put Up and Sold in Package Form.
Claims use since November 1950.

Ser. No. 611,325. Zion Industries, Inc., Zion, Ill. Filed Mar. 14, 1951.

Cookie Basket

The word "Cookie" is disclaimed.
For Cookies.
Claims use since May 24, 1950.

Ser. No. 611,700. Nathan George Horwitt, doing business as Yankee Foods, Lee, Mass. Filed Mar. 23, 1951.

Yankee Noodle

The word "Noodle" is disclaimed.
For Noodles Sold in Packages.
Claims use since Mar. 10, 1951.

Ser. No. 613,095. United States Department of Agriculture, Washington, D. C. Filed Apr. 24, 1951. CERTIFICATION MARK.

USDA

For Carcasses of Beef, Lamb, Veal, Pork and Parts Thereof.
Claims use since Dec. 29, 1950.

Ser. No. 613,617. L. J. Tupper, doing business under the name and style of Mapleton Cheese Factory, Oconomowoc, Wis. Filed May 7, 1951. (Sec. 2f.)

MAPLETON

For Cheese.
Claims use since Mar. 1, 1936.

Ser. No. 613,959. Allied Mills, Inc., Chicago, Ill. Filed May 17, 1951.

TAIL CURLER

For Pig and Hog Feed.
Claims use since Nov. 6, 1950.

Ser. No. 614,043. Pietro Di Pietro, New York, N. Y. Filed May 18, 1951.

Pete's

For Food Sauces for Use on Sea Food, Meat, Spaghetti, and Omelets.
Claims use since May 1, 1951.

Ser. No. 614,405. Hershel California Fruit Products Co., San Jose, Calif. Filed May 26, 1951.

Contadina

Applicant claims ownership of Registrations Nos. 340,001, 124,957, and 204,436.
For Food Products—Namely, Plum Preserves, Grape Jelly, Grape Jam, Apple Juice, Corn Syrup, Maple Syrup, Salad Dressing, Salad Oil, Olive Oil, Tomato Catsup, Pickles, Cider Vinegar, and Peanut Butter.
Claims use since Mar. 10, 1924.

Ser. No. 615,726. Safie Brothers, New Baltimore, Mich. Filed June 26, 1951.

MERNO'S

For Olives.
Claims use since Feb. 8, 1951.

CLASS 47

WINES

Ser. No. 595,830. Ellis Brothers, Inc., Chicago, Ill. Filed Apr. 17, 1950.

LUCKY SEVEN

For Wines.
Claims use since Mar. 1, 1950.

Ser. No. 597,148. House of Old Molineaux, Inc., Boston, Mass. Filed May 9, 1950. (Sec. 2f.)

Old Madrid

For Wines.
Claims use since March 1934.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 576,028. Atlas Brewing Company, Chicago, Ill. Filed Mar. 25, 1949. (Sec. 2f.)

Prager

Applicant claims ownership of Registrations Nos. 345,387, 347,105, and 354,448.
For Beer and Ale.
Claims use since November 1933.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 562,791. New England Distillers, Incorporated, Clinton, Mass. Filed Aug. 4, 1948.



For Gin.
Claims use since July 2, 1948.

Ser. No. 609,498. Sovereign Importers, Ltd., New York, N. Y. Filed Feb. 1, 1951.

Jean Levasseur

The mark "Jean Levasseur" is fictitious and not the name of any living or deceased individual.
For Brandy.
Claims use since Oct. 10, 1949.

Ser. No. 611,798. Maryland Import Company, Chicago, Ill. Filed Mar. 26, 1951. (Sec. 2f.)

STOCK AND BOND CLUB



Applicant claims ownership of Registration No. 359,749.
For Whiskey.
Claims use since Feb. 26, 1938.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 587,577. Animal Trap Company of America, Lititz, Pa. Filed Aug. 26, 1949.

KLEFLOCK

Applicant claims ownership of Registration No. 243,657.
For Snares.
Claims use since Nov. 1, 1927.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 561,468. Richard Hudnut, New York, N. Y. Filed July 15, 1948.

TRES GAI

For Perfume.
Claims use since May 19, 1948.

Ser. No. 577,179. The F. W. Fitch Company, Des Moines, Iowa, assignor to The Grove Laboratories, Inc., St. Louis, Mo., a corporation of Delaware. Filed Apr. 15, 1949.

DRESAIR

For Hair Dressing.
Claims use since March 1949.

Ser. No. 579,583. Margaret Whitley Crewett, Philadelphia, Pa. Filed May 27, 1949.

BEAUTY BUTTERFLY

The word "Beauty" is disclaimed.
For Cleansing Face Cream.
Claims use since Apr. 18, 1949.

Ser. No. 589,146. Chen Yu, Inc., New York, N. Y., assignor to Richard Hudnut, New York, N. Y., a corporation of New York. Filed Dec. 10, 1949.

OPIUM POPPY

The word "Poppy" is disclaimed.
For Lipstick and Nail Lacquer.
Claims use since Nov. 1, 1949.

Ser. No. 593,664. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 9, 1950.

SOLPROTEX

Applicant claims ownership of Registration No. 357,718.
For Artificial and Synthetic Perfumery Compositions; Natural and Synthetic Essential Oils Used as a Base or as an Ingredient in Perfumery; Aromatic Chemicals From Natural or Other Sources Used as an Ingredient in Perfumery; Specialties Composed of Combinations of Artificial Synthetic Perfumery Materials With Natural and Synthetic Essential Oils and Aromatic Chemicals From Natural or Other Sources.
Claims use since June 1, 1937.

Ser. No. 602,481. Adam's Perfumes, Inc., New York, N. Y. Filed Aug. 21, 1950.

FLEURS FLOTANTE

For Perfumes, Cologne, Toilet Waters.
Claims use since Aug. 17, 1950.

Ser. No. 603,054. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Sept. 1, 1950.

LILANTHEME

For Natural or Synthetic Perfumery Compositions, Aromatic Chemicals From Natural or Other Sources Used as a Base or an Ingredient for Cosmetics and Toilet Preparations.
Claims use since Aug. 1, 1930.

Ser. No. 603,254. Helena Rubinstein, Inc., New York, N. Y. Filed Sept. 7, 1950.

BLUE VIXEN

The word "Blue" is disclaimed. Applicant claims ownership of Registration No. 409,080.
For Hair Rinse and Lipstick.
Claims use since Aug. 30, 1950.

Ser. No. 603,255. Helena Rubinstein, Inc., New York, N. Y. Filed Sept. 7, 1950.

RED HELLION

The word "Red" is disclaimed. Applicant claims ownership of Registration No. 433,166.
For Hair Rinse and Lipstick.
Claims use since Aug. 30, 1950.

Ser. No. 603,443. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Sept. 12, 1950.

ANTHEROSIA

Applicant claims ownership of Registration No. 284,585.
For Natural or Synthetic Perfumery Compositions, Natural and Synthetic Essential Oils, Aromatic Chemicals, Used as a Base or an Ingredient in Perfumery.
Claims use since Nov. 8, 1930.

Ser. No. 607,800. Consolidated Cosmetics, Chicago, Ill. Filed Dec. 18, 1950.

TEAM OF HORSES

For Antiseptic and Deodorizing Denture Adhesive.
Claims use since Dec. 8, 1950

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 500,186. Savonneries Lever, Paris, France. Original filed, act of 1905, Apr. 13, 1946; amended to application under act of 1946, Principal Register, Feb. 2, 1950.



The name "Felix Eydoux," shown on the drawing, is that of a deceased predecessor.
For Household Soap, Toilet Soap, Medicated Soap, Automobile Soap, and Cleansers Having a Soap Base for Cleaning Surfaces Such as Tiles, Parkets, Painted Surfaces, Glass, Lavatories, and the Like.
Claims use since 1862.

Ser. No. 529,947. Allied Home Products Corporation, Beloit, Wis. Filed July 30, 1947.

MARV

For Synthetic Detergents for Washing Dishes, Silverware, and Fabrics.
Claims use since June 2, 1947.

Ser. No. 543,864. Armour and Company, Chicago, Ill. Filed Dec. 10, 1947. (Sec. 2f.)

Babbitt's

Applicant claims ownership of Registration No. 79,390.
For Soap.
Claims use since 1851.

Ser. No. 587,413. Wyandotte Chemicals Corporation, Wyandotte, Mich. Filed Nov. 5, 1949.

KELVAR

For Synthetic Detergent Compound for General Washing Purposes for Use in the Home, on the Farm, in Industry, and in Public Service Institutions, Such as Schools, Hospitals, and Restaurants.
Claims use since Apr. 26, 1948.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 531,900. Farmers Educational and Cooperative Union of America, Denver, Colo. Filed Aug. 20, 1947. (Classified in Class 102.) (Sec. 2f.)

FARMERS UNION

For Services Comprising the Dissemination of Information Pertaining to Farming and Related Industries, and Particularly Information in Connection With Cooperatives To Aid the Farmer in Marketing His Produce, Information Relating To Educational and Entertainment Programs for Farmers and Their Families, Information as to Proposed Legislation That Directly or Indirectly May Affect Those Engaged in Farming and Related Industries, and Services to and for the Farmer Relating to Storage of Produce, the Making of Mortgage Loans, the Brokerage of Produce and Livestock, the Sale of Insurance, and the Servicing of Farm Equipment.
Claims use since 1902.

Ser. No. 550,632. United Motor Courts, Incorporated, Pasadena, Calif., and Denver, Colo. Filed Feb. 26, 1948. CERTIFICATION MARK.



The words "Motor Courts" are disclaimed.
For Provision and Maintenance of Lodgings and Other Motor Court and Motel Accommodations of High Quality for the Public Traveling by Automobiles.
Claims use since December 1937.

Ser. No. 561,313. Interchemical Corporation, New York, N. Y. Filed July 14, 1948. (Classified in Class 106.)

Polyfax

For Etching of Plates and Cylinders and the Furnishing of Advisory Services in Connection With the use Thereof in the Reproduction of Wood Graining and analogous Textures.
Claims use since Jan. 30, 1948.

Ser. No. 567,916. W. Schuyler Hopper, doing business as The Schuyler Hopper Co., New York, N. Y. Filed Oct. 30, 1948. (Classified in Class 101.)

"DITCH-DIGGING" ADVERTISING

The word "Advertising" is disclaimed.
For Advertising Services Rendered to and on Behalf of Clients—Namely, Investigating, Analyzing, and Compiling Information to Determine the Marketability of Products and the Formulation and Execution of Sales Promotion Plans.
Claims use since Oct. 10, 1945.

Ser. No. 589,371. Blue Shield Medical Care Plans, Chicago, Ill., by change of name from Associated Medical Care Plans. Filed Dec. 15, 1949. COLLECTIVE MARK.

BLUE SHIELD

For Furnishing Medical Care on a Pre-Payment Basis.
Claims use since Sept. 23, 1939.

Ser. No. 603,564. Alpha Chi Rho Fraternity, New York, N. Y. Filed Sept. 15, 1950. COLLECTIVE MARK.



The mark consists of the ancient form of the Labarum.
For Organizing of Chapters in a National Collegiate Fraternity and Maintaining Membership Therein.
Claims use since June 1895.

Ser. No. 615,420. John R. Thompson Co., Chicago, Ill. Filed June 19, 1951. (Sec. 2f.)

Thompson's

Applicant claims ownership of Registrations Nos. 134,288 and 176,487.
For Restaurant Services.
Claims use since 1893.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 532,511. Thomas L. Smith, Charleston, S. C. Filed Aug. 26, 1947.

RADIO RING-O

The word "Radio" is disclaimed.

For Advertising Goods and Services of Others Through the Medium of Radio Broadcast Programs Wherein Letters and Numbers Are Called Out Which, If They Tally With Numbers and Letters on the Listener's Cards, enables the Listener to Win a Prize.

Claims use since Aug. 15, 1947.

Ser. No. 533,017. Great Trails Broadcasting Corporation, Dayton, Ohio. Filed Sept. 2, 1947.

WING
The Dayton Station

The letters "Wing" and the words "The Dayton Station" are disclaimed.

For Radio Program Broadcasting; for Entertainment Services Through the Medium of Radio in the Nature of Musical, Dramatic, and Dramatico-Musical Programs; and for the Advertising of Goods and Services of Others Through the Medium of Radio Broadcast Programs.

Claims use since Aug. 12, 1946.

Ser. No. 533,050. Radio Voice of Springfield, Inc., Springfield, Ohio. Filed Sept. 2, 1947.

WIZE Promotes Springfield

For Radio Program Broadcasting; for Entertainment Services Through the Medium of Radio in the Nature of Musical, Dramatic, and Dramatico-Musical Programs; and for the Advertising of Goods and Services of Others Through the Medium of Radio Broadcast Programs.

Claims use since Aug. 12, 1946.

Ser. No. 539,630. Alton Hall Blackington, Lynn, Mass. Filed Oct. 31, 1947.

YANKEE YARNS

The word "Yarns" is disclaimed.

For Advertising and Entertainment Services Through the Medium of Radio Program Broadcasts in the Nature of Narrated Stories.

Claims use since Apr. 23, 1937.

Ser. No. 567,916. W. Schuyler Hopper, doing business as The Schuyler Hopper Co., New York, N. Y. Filed Oct. 30, 1948.

"DITCH-DIGGING" ADVERTISING

The word "Advertising" is disclaimed.

For Advertising Services Rendered to and on Behalf of Clients Namely, Investigating, Analyzing, and Compiling Information To Determine the Marketability of Products and the Formulation and Execution of Sales Promotion Plans.

Claims use since Oct. 10, 1945.

Ser. No. 604,386. Dick Powell, doing business as Powell Enterprises, Hollywood, Calif. Filed Oct. 3, 1950.

RICHARD DIAMOND
Private Detective

"Richard Diamond" is a fictitious character. The words "Private Detective" are disclaimed.

For Advertising the Goods of Others Through the Medium of a Series of Dramatic Radio and Television Broadcasts.

Claims use since Mar. 21, 1949.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 531,900. Farmers Educational and Cooperative Union of America, Denver, Colo. Filed Aug. 20, 1947. (Sec. 2f.)

FARMERS UNION

For Services Comprising the Dissemination of Information Pertaining to Farming and Related Industries, and Particularly Information in Connection With Cooperatives To Aid the Farmer in Marketing His Produce, Information Relating to Educational and Entertainment Programs for Farmers and Their Families, Information as to Proposed Legislation That Directly or Indirectly May Affect Those Engaged in Farming and Related Industries, and Services to and for the Farmer Relating to Storage of Produce, the Making of Mortgage Loans, the Brokerage of Produce and Livestock, the Sale of Insurance, and the Servicing of Farm Equipment.

Claims use since 1902.

Ser. No. 606,403. Blue Shield Medical Care Plans, Chicago, Ill. Filed Nov. 13, 1950. COLLECTIVE MARK.

BLUE SHIELD

For Underwriting the Expense of Medical Care.

Claims use since Sept. 23, 1939.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 531,900. Farmers Educational and Cooperative Union of America, Denver, Colo. Filed Aug. 20, 1947. (Classified in Class 102.) (Sec. 2f.)

FARMERS UNION

For Services Comprising the Dissemination of Information Pertaining to Farming and Related Industries, and Particularly Information in Connection With Cooperatives To Aid the Farmer in Marketing His Produce, Information Relating to Educational and Entertainment Programs for Farmers and Their Families, Information as to Proposed Legislation That Directly or Indirectly May Affect Those Engaged in Farming and Related Industries, and Services to and for the Farmer Relating to Storage of Produce, the Making of Mortgage Loans, the Brokerage of Produce and Livestock, the Sale of Insurance, and the Servicing of Farm Equipment.

Claims use since 1902.

Ser. No. 578,181. Aubrey Wilson, doing business as The Tool Crib, Pasadena, Calif. Filed May 3, 1949.

The Tool Crib

The word "Tool" is disclaimed.

For Rental of Tools and Equipment—Namely, Post Hole Diggers, Picks, Shovels, Tractors, Bulldozers, Power Shovels, Harrows, Scrapers, Rollers, Trucks, Dump Trucks, Stake Trucks, Tractor-Trailer Combinations, Trailers To Be Attached to Private Automobiles, Electric Saws, Power Drills, Spray Outfits, Air Compressors, Mixing Tanks, Electric Saws, and Power Drills.

Claims use since Jan. 2, 1949.

Ser. No. 592,156. John T. Myers, doing business as Connett Plumbing and Heating, Fort Wayne, Ind. Filed Feb. 8, 1950.

SWIFTY CONNETT

The name "Connett" is disclaimed.

For Installation and Repair of Plumbing Fixtures.

Claims use since Jan. 2, 1947.

Ser. No. 603,777. Electrolux Corporation, Dover, Del., and New York, N. Y. Filed Sept. 20, 1950.

The lining on the drawing forms part of the mark and does not designate color. Applicant claims ownership of Registrations Nos. 252,515, 271,365, 284,378, and 284,977.

For Service, Maintenance and Repair of Vacuum Cleaners and Floor Polishers, and Accessories Therefor, and for the Installation of Repair Parts for Said Vacuum Cleaners and Floor Polishers, and Accessories Therefor.

Claims use since 1924.

CLASS 104

COMMUNICATION

Ser. No. 533,017. Great Trails Broadcasting Corporation, Dayton, Ohio. Filed Sept. 2, 1947. (Classified in Class 101.)

WING
The Dayton Station

The letters "WING" and the words "The Dayton Station" are disclaimed.

For Radio Program Broadcasting; for Entertainment Services Through the Medium of Radio in the Nature of Musical, Dramatic, and Dramatico-Musical Programs; and for the Advertising of Goods and Services of Others Through the Medium of Radio Broadcast Programs.

Claims use since Aug. 12, 1946.

Ser. No. 533,050. Radio Voice of Springfield, Inc., Springfield, Ohio. Filed Sept. 2, 1947. (Classified in Class 101.)

WIZE Promotes Springfield

For Radio Program Broadcasting; for Entertainment Services Through the Medium of Radio in the Nature of Musical, Dramatic, and Dramatico-Musical Programs; and for the Advertising of Goods and Services of Others Through the Medium of Radio Broadcast Programs.

Claims use since Aug. 12, 1946.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 578,181. Aubrey Wilson, doing business as The Tool Crib, Pasadena, Calif. Filed May 3, 1949. (Classified in Class 103.)

The Tool Crib

The word "Tool" is disclaimed.

For Rental of Tools and Equipment—Namely, Post Hole Diggers, Picks, Shovels, Tractors, Bulldozers, Power Shovels, Harrows, Scrapers, Rollers, Trucks, Dump Trucks, Stake Trucks, Tractor-Trailer Combinations, Trailers To Be Attached to Private Automobiles, Electric Saws, Power Drills, Spray Outfits, Air Compressors, Mixing Tanks, Electric Saws, and Power Drills.

Claims use since Jan. 2, 1949.

CLASS 106

MATERIAL TREATMENT

Ser. No. 507,921. Spincraft, Inc., Milwaukee, Wis., by change of name from Milwaukee Metal Spinning Company. Original filed, act of 1905, Aug. 23, 1946; amended to application under act of 1946, Principal Register, Sept. 26, 1947. (Sec. 2f.)

Spincraft

Applicant claims ownership of Registration No. 344,118.

For Spinning Metal Parts From Flat Sheet Metal on Customer's Order and to His Specifications.

Claims use since Aug. 30, 1932.

Ser. No. 561,313. Interchemical Corporation, New York, N. Y. Filed July 14, 1948.

Polyfax

For Etching of Plates and Cylinders and the Furnishing of Advisory Services in Connection With the Use Thereof in the Reproduction of Wood Graining and Analogous Textures.

Claims use since Jan. 30, 1948.

Ser. No. 590,873. Distributors Photo Finishing Co., Cincinnati, Ohio. Filed Jan. 13, 1950.

SPE-D-PICS

For Developing, Enlarging, Reproducing, Coloring, and Printing of Pictures From Photographic Film.

Claims use since Oct. 1, 1948.

Ser. No. 604,144. The Bron-Shoe Company, doing business as The Senti-Metal Company, Columbus, Ohio. Filed Sept. 28, 1950.

Senti-Metal

The words "Metal Process" are disclaimed.

For Plating of Sentimentally Valuable Articles To Preserve Them for Gift and Novelty Purposes.

Claims use since April 1947.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 533,017. Great Trails Broadcasting Corporation, Dayton, Ohio. Filed Sept. 2, 1947. (Classified in Class 101.)

WING
The Dayton Station

The letters "WING" and the words "The Dayton Station" are disclaimed.

For Radio Program Broadcasting; for Entertainment Services Through the Medium of Radio in the Nature of Musical, Dramatic and Dramatico-Musical Programs; and for the Advertising of Goods and Services of Others Through the Medium of Radio Broadcast Programs.

Claims use since Aug. 12, 1946.

Ser. No. 533,050. Radio Voice of Springfield, Inc., Springfield, Ohio. Filed Sept. 2, 1947. (Classified in Class 101.)

WIZE Promotes Springfield

For Radio Program Broadcasting; for Entertainment Services Through the Medium of Radio in the Nature of Musical, Dramatic, and Dramatico-Musical Programs; and for the Advertising of Goods and Services of Others Through the Medium of Radio Broadcast Programs.

Claims use since Aug. 12, 1946.

Ser. No. 539,630. Alton Hall Blackington, Lynn, Mass. Filed Oct. 31, 1947. (Classified in Class 101.)

YANKEE YARNS

The word "Yarns" is disclaimed.

For Advertising and Entertainment Services Through the Medium of Radio Program Broadcasts in the Nature of Narrated Stories.

Claims use since Apr. 23, 1937.

Ser. No. 598,320. Optimist International, St. Louis, Mo. Filed May 29, 1950. COLLECTIVE MARK.

OPTIMIST INTERNATIONAL

The term "International" is disclaimed. Applicant claims ownership of Registrations Nos. 426,074 and 428,048.

For Rendering Civic and Moral Educational Services in Forming and Teaching Groups of Boys To Take Interest in Civic and Governmental Affairs, Sports and Educational Activities.

Claims use since June 1919.

Ser. No. 605,279. Joseph J. Buchicchio, New Orleans, La. Filed Oct. 18, 1950.

JOEY BUCK PRO ACCORDION

The drawing is lined for red and blue. All wording except "Joey-Buck" is disclaimed.

For Instructing in the Playing of the Accordion, a Musical Instrument.

Claims use since May 15, 1938.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,631. Portable Table Electric Hot Plates. Star Glow Electric Products, Inc., Chicago, Ill.
Filed Nov. 23, 1945, Serial No. 492,106. Published May 17, 1949. Class 21.

444,632. Refrigerated Bottle Containers, Refrigerated Salad Display Tables, Refrigerated Ice-Cream Cabinets, and Iced Cocktail-Bars. Anderson Wagner, Inc., Los Angeles, Calif.
Filed Feb. 1, 1946, Serial No. 495,937. Published Sept. 4, 1951. Class 31.

444,633. Women's Underwear and Foundation Garments. Donel Foundations, New York, N. Y.
Filed Apr. 17, 1946, Serial No. 500,373. Published Oct. 16, 1951. Class 39.

444,634. Detergent Cleansing Powder, Used Either Dry or In Solution. The Suds-Up Corporation, Buffalo, N. Y.
Filed Sept. 11, 1946, Serial No. 508,872. Published Oct. 16, 1951. Class 52.

444,635. Canned Citrus Fruit Meats in Juice. Bruce's Juices, Inc., Tampa, Fla.
Filed Oct. 4, 1946, Serial No. 510,231. Published Aug. 28, 1951. Class 46.

444,636. Medicinal Preparations Containing Amino Acids and Vitamin B Complex Factors for Use as a Nutritional Supplement. Physiological Chemicals Company, Inc., New York, N. Y.
Filed Oct. 19, 1946, Serial No. 511,183. Published Nov. 2, 1948. Class 18.

444,637. Prepared Advertising Sold as Such. Rafael Mercado, New York, N. Y.
Filed Mar. 5, 1947, Serial No. 518,550. Published Oct. 2, 1951. Class 38.

444,638. Construction Materials—Viz., Asbestos Shingles, Asbestos Siding, Asphalt Flooring in Rolls, Fabric Base, Etc. The Lehon Company, Chicago, Ill.
Filed Apr. 15, 1947, Serial No. 520,725. Published Sept. 18, 1951. Class 12.

444,639. Electric Fans. Bennett Asquith, doing business as Asquith Associates, Boston, Mass., assignor to Asquith Associates, Inc., Boston, Mass., a corporation of Massachusetts.
Filed May 16, 1947, Serial No. 522,550. Published Dec. 9, 1947. Class 21.

444,640. Insecticidal Composition for Use on Plants and Animals Packaged for Use by Retail Consumers. Food Machinery Corporation, San Jose, Calif., and Middleport, N. Y., now by change of name Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware.
Filed May 22, 1947, Serial No. 522,853. Published Jan. 31, 1950. Class 6.

ACT OF 1946, PRINCIPAL REGISTER

552,922. Ready Mixed Oil and Synthetic Paints; Oil and Water Miscible Concentrated Paints, Etc. Coast Paint & Chemical Company, Los Angeles, Calif.
Original filed, act of 1905, Apr. 8, 1946; amended to application under act of 1946, Principal Register, Dec. 26, 1947, Serial No. 499,824. Published Oct. 2, 1951. Class 16.

552,923. Meat and Meat Products—Namely, Ham, Bacon, Pork Shoulder Butt, Pork Hocks, Pickled Pigs' Feet, Pigs' Feet Slices, Lamb Tongues, Frankfurters; and Olives. Peer Food Products Company, Chicago, Ill.
Original filed, act of 1905, Apr. 19, 1946; amended to application under act of 1946, Principal Register, Mar. 16, 1948, Serial No. 500,565. Published Sept. 11, 1951. Class 46.

552,924. Meat Products—Namely, Lamb Tongues, Frankfurters, Pickled Pigs' Feet, and Pigs' Feet Slices; and Processed Fruit—To-Wit, Olives. Peer Food Products Company, Chicago, Ill.
Original filed, act of 1905, June 22, 1946; amended to application under act of 1946, Principal Register, Mar. 25, 1948, Serial No. 504,450. Published Sept. 18, 1951. Class 46.

552,925. Portable Ice Boxes. American Gas Machine Company, Albert Lea, Minn.
Original filed, act of 1905, Dec. 23, 1946; amended to application under act of 1946, Principal Register, May 11, 1951, Serial No. 514,679. Published Sept. 4, 1951. Class 31.

552,926. Mechanically Grooved Phonograph Records. Commodore Record Co., Inc., New York, N. Y.
Original filed, act of 1905, Mar. 8, 1947; amended to application under act of 1946, Principal Register, Feb. 4, 1948, Serial No. 518,717. Published Oct. 23, 1951. Class 36.

552,927. Bread, Rolls, Coffee Cakes, Cakes, Pies, Donuts, Cookies, Candy, and Ice Cream. Van de Kamps Holland Dutch Bakers, Inc., Los Angeles, Calif.
Filed July 5, 1947, Serial No. 527,028. Published Sept. 18, 1951. Class 46.

552,928. Enamel Paint and Clear Varnish Ready for Use. Minnesota Paints, Inc., Minneapolis, Minn., formerly Minnesota Linseed Oil Paint Co., doing business as The Chi-Namel Paint & Varnish Co.
Filed July 5, 1947, Serial No. 527,675. Published Sept. 25, 1951. Class 16.

552,929. Pork Sausage. Armour and Company, Chicago, Ill.
Filed July 29, 1947, Serial No. 529,859. Published Oct. 9, 1951. Class 46.

552,930. Candy. Peter Paul, Inc., Naugatuck, Conn.
Filed July 31, 1947, Serial No. 530,117. Published Oct. 2, 1951. Class 46.

552,931. Metal Water Pipe and Tubing; Pipe and Tube Fittings, Etc. Brass-Craft Manufacturing Company, Detroit, Mich.
Filed Sept. 27, 1947, Serial No. 535,927. Published Oct. 23, 1951. Class 13.

552,932. Metal Water Pipe and Tubing; Pipe and Tube Fittings, Etc. Brass-Craft Manufacturing Company, Detroit, Mich.
Filed Sept. 27, 1947, Serial No. 535,928. Published Oct. 23, 1951. Class 13.

552,933. Washable Interior Resin Paste Paints. Seidlitz Paint & Varnish Co., Kansas City, Mo.
Filed Sept. 29, 1947, Serial No. 536,153. Published Oct. 2, 1951. Class 16.

552,934. Varnishes (Clear or Colored), Etc. Minnesota Linseed Oil Paint Company, doing business as The Chi-Namel Paint & Varnish Co., Minneapolis, Minn., and Fort Wayne, Ind., now by change of name Minnesota Paints Inc., a corporation of Minnesota.
Filed July 5, 1947, Serial No. 539,608. Published Sept. 4, 1951. Class 16.

552,935. Sole Leather. Armour and Company, Chicago, Ill..
Filed Dec. 5, 1947, Serial No. 543,387. Published Oct. 23, 1951. Class 1.

552,936. Sole Leather. Armour and Company, Chicago, Ill.
Filed Dec. 5, 1947, Serial No. 543,388. Published Oct. 23, 1951. Class 1.

552,937. Steel Bath Room Cabinets Including Medicine and Utility Cabinets, and So Forth, for Steel Kitchen Cabinets, Including Base, Wall, Linen, Broom, Open Shelf, and Storage Cabinets, and So Forth, and Fillers for Such Kitchen Cabinets. United Metal Box Co., Inc., Brooklyn, N. Y.
Filed Dec. 19, 1947, Serial No. 544,940. Published Oct. 2, 1951. Class 32.

552,938. Reeled Barbed Wire. Continental Steel Corporation, Kokomo, Ind.
Filed Dec. 22, 1947, Serial No. 545,091. Published Oct. 23, 1951. Class 13.

552,939. Drafting Machines. Scintilla Ltd., Soleure, Switzerland.
Filed Jan. 21, 1948, Serial No. 547,665. Published Oct. 2, 1951. Class 26.

552,940. Renewable Edges for Plowshares. The Silver Streak Manufacturing Co., Dyersville, Iowa.
Filed Jan. 23, 1948, Serial No. 547,876. Published Oct. 2, 1951. Class 23.

552,941. Air Duct Sterilizer Units Including a Base Plate, a Housing With a Starter and Ballast, Lamps and Supports Therefor as a Unit for Use in Air Ducts. Coleman-Pettersen Corporation, Cleveland, Ohio.
Filed Feb. 19, 1948, Serial No. 550,122. Published Oct. 16, 1951. Class 21.

552,942. Ready Mixed Liquid, Paste, and Emulsified Paints, Etc. The Paraffine Companies, Inc., San Francisco, Calif., now by change of name Pabco Products Inc., a corporation of Delaware.
Filed Mar. 1, 1948, Serial No. 550,937. Published Sept. 25, 1951. Class 16.

552,943. Tempera Colors in Liquid Form Used as an Ink With a Pen or Drawing Brush. The Carter's Ink Company, Cambridge, Mass.
Filed Mar. 9, 1948, Serial No. 551,524. Published July 24, 1951. Class 11.

552,944. Animal Feeds for Rats, Mice, Dogs, Cats, Monkeys, Hamsters, Poultry, and Cattle. Ralston Purina Company, St. Louis, Mo.
Filed Mar. 22, 1948, Serial No. 552,713. Published Oct. 16, 1951. Class 46.

552,945. Electrical Boxes—Namely, Switch, Outlet, Ceiling, Cable, Conduit, Utility, Junction, Cutout, Pull, and Receptacle Boxes, Concrete Rings, Etc. All-Steel Equipment Inc., Aurora, Ill.
Filed Apr. 9, 1948, Serial No. 554,196. Published Oct. 9, 1951. Class 21.

552,946. Fresh Citrus Fruits. Exeter Orange Growers Association, also doing business as Cooperative Citrus Association, Exeter, Calif.
Filed Apr. 19, 1948, Serial No. 554,967. Published Oct. 2, 1951. Class 46.

552,947. Ready Mixed Oil Paint. Country Stores Brands, Inc., Chicago, Ill.
Filed Apr. 20, 1948, Serial No. 555,055. Published Sept. 4, 1951. Class 16.

552,948. Ready Mixed Oil Paint. Country Stores Brands, Inc., Chicago, Ill.
Filed Apr. 20, 1948, Serial No. 555,056. Published Sept. 18, 1951. Class 16.

552,949. Columns or Sections of Periodical Publications. Broadcasting Publications, Inc., Washington, D. C.
Filed Apr. 21, 1948, Serial No. 555,148. Published Oct. 2, 1951. Class 38.

552,950. Thermo-Setting Colored Coating Composition for Decorating Glass, Metal, China, Plastic, and Similar Surfaces. The American Crayon Company, Sandusky, Ohio.
Filed May 10, 1948, Serial No. 556,614. Published Sept. 4, 1951. Class 16.

552,951. Door Interviewers, Specifically Peepholes Fitted With 175-Degree Wide-Angle Lenses. The Arthur-Lloyd Corp., New York, N. Y.
Filed June 16, 1948, Serial No. 559,271. Published Oct. 9, 1951. Class 26.

552,952. Ready-Mixed Self-Leveling Flat Paint. Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich.
Filed May 13, 1948, Serial No. 559,466. Published Sept. 25, 1951. Class 16.

552,953. Ready-Mixed Paints for Coating Metals. Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich.
Filed May 13, 1948, Serial No. 559,467. Published Sept. 25, 1951. Class 16.

552,954. Pigmented Oleo-Resinous Paints and Air Drying Paint Enamels. Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich.
Filed May 13, 1948, Serial No. 559,468. Published Sept. 25, 1951. Class 16.

552,955. Ladies' Hosiery. Holland-Nahas Import & Export Company, New York, N. Y.
Filed July 12, 1948, Serial No. 561,191. Published Oct. 16, 1951. Class 39.

552,956. Sawdust Blowers. Chase Turbine Mfg. Co., Orange, Mass.
Filed July 28, 1948, Serial No. 562,320. Published Sept. 18, 1951. Class 23.

552,957. Commercial Electrically Heated, Electrically Operated Apparatus—Namely, Popcorn Machines, Grills, Deep Fat Fryers, Food Warmers, Etc. Hercules Steel Products Corporation, doing business as Star Manufacturing Company, Galion, Ohio, and St. Louis, Mo.
Filed Aug. 5, 1948, Serial No. 562,857. Published Oct. 9, 1951. Class 21.

552,958. Mouthpieces for Musical Wind Instruments. Wayne Lewis, New York, N. Y.
Filed Aug. 10, 1948, Serial No. 563,124. Published Oct. 23, 1951. Class 36.

552,959. Electronic Type Recorder or Indicator in the Nature of a Self-Balancing Potentiometer. The Hays Corporation, Michigan City, Ind.
Filed Aug. 14, 1948, Serial No. 563,407. Published Oct. 2, 1951. Class 26.

552,960. Accordions, Mouth Organs, Bandonions, Etc. Erik Algot Bengtsson, doing business as Dragspelst Jänst, Stockholm, Sweden.
Filed Aug. 16, 1948, Serial No. 563,453. Published Oct. 23, 1951. Class 36.

552,961. Brief Cases and Hand Luggage All Made of Fabrics or Impregnated Fabrics. Burlington Mills Incorporated, Burlington, Wis.
Filed Aug. 24, 1948, Serial No. 563,899. Published Oct. 9, 1951. Class 3.

552,962. Sachet Perfume in the Form of Cakes. Frank L. Boner, doing business as Lady Joan Laboratories, Reading, Pa.
Filed Aug. 31, 1948, Serial No. 564,428. Published Sept. 18, 1951. Class 51.

552,963. Steel Structural Shapes, Metal Road and Garden Curbing, Steel Roofing and Siding Steel Rails, Steel Reinforcing Bars for Use in Concrete, Etc. Joseph T. Ryerson & Son, Inc., Chicago, Ill.
Filed Sept. 9, 1948, Serial No. 564,902. Published Aug. 28, 1951. Class 12.

552,964. Steel Structural Shapes, Metal Road and Garden Curbing, Etc. Joseph T. Ryerson & Son, Inc., Chicago, Ill.
Filed Sept. 9, 1948, Serial No. 564,903. Published Aug. 28, 1951. Class 12.

552,965. Bowling Alley Combination Cleaner and Polish. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed Sept. 16, 1948, Serial No. 565,230. Published Sept. 18, 1951. Class 4.

552,966. Quick Drying Synthetic Lustreless Enamel Designed To Secure One Coat Obliteration of Stencilling Marks on Wood, Metal, or Fibre Cases. Phelan-Faust Paint Mfg. Co., St. Louis, Mo.
Filed Sept. 23, 1948, Serial No. 565,717. Published Sept. 4, 1951. Class 16.

552,967. Spun Rayon and Cotton Fabric. Burlington Mills Corporation, Greensboro, N. C.
Filed Sept. 30, 1948, Serial No. 566,119. Published Oct. 16, 1951. Class 42.

552,968. Tire Repair Equipment—Namely, Tire Retreading and Recapping Molds, and Parts Thereof, Etc. Super Mold Corporation of California, Lodi, Calif.
Filed Oct. 20, 1948, Serial No. 567,282. Published Oct. 2, 1951. Class 23.

552,969. Electric Motor-Operated Portable Spray Guns. Payswell Products Corporation, Chicago, Ill.
Filed Oct. 26, 1948, Serial No. 567,645. Published Sept. 11, 1951. Class 21.

552,970. Photographic Cameras, Photographic Dark Rooms Mounted on Wheels for Mobility and Having Photographic Developing Tanks and Trays Therein and Forming a Part Thereof, Photographic Developing Tanks, and Photographic Printing Apparatus. Colormatic Co. of America, Kansas City, Mo.
Filed Nov. 22, 1948, Serial No. 569,191. Published Oct. 9, 1951. Class 26.

552,971. Plastic Floor Tile Containing Asbestos and a Binder. Johns-Manville Corporation, New York, N. Y.
Filed Nov. 22, 1948, Serial No. 569,207. Published Sept. 11, 1951. Class 12.

552,972. Cargo Winches. Lake Shore Engineering Company, Iron Mountain, Mich.
Filed Nov. 27, 1948, Serial No. 569,526. Published Sept. 18, 1951. Class 23.

552,973. Household Refrigerators, Refrigeration Condensing Units, Electrical Water Coolers. International Standard Electric Corporation, New York, N. Y.
Filed Dec. 1, 1948, Serial No. 569,702. Published Sept. 18, 1951. Class 31.

552,974. Air Drying Phenolic Varnish as a Protective Coating for Wood, Metal, and Concrete. Minnesota Platon Corporation, Pipestone, Minn.
Filed Dec. 4, 1948, Serial No. 569,981. Published Sept. 4, 1951. Class 16.

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552,975. Testing Instruments for Determining the Carbon Content of Flue Gases. Bacharach Industrial Instrument Company, Pittsburgh, Pa.
Filed Dec. 6, 1948, Serial No. 570,038. Published Oct. 9, 1951. Class 26.

552,976. Plaster. Beautex Plaster Manufacturing Company, doing business as The Beautex Plaster Co., Lebanon, Pa.
Filed Dec. 10, 1948, Serial No. 570,284. Published Aug. 28, 1951. Class 12.

552,977. Tractors. The Oliver Corporation, Chicago, Ill.
Filed Dec. 10, 1948, Serial No. 570,316. Published Sept. 18, 1951. Class 23.

552,978. Photographic Prints and Enlargements. The Recordak Corporation, New York, N. Y.
Filed Dec. 11, 1948, Serial No. 570,378. Published Oct. 2, 1951. Class 38.

552,979. (1) Stop-Off Lacquer for Selective Masking of Machines Parts for Hard Chromium Plating, Etc. Michigan Chrome & Chemical Company, Detroit, Mich.
Filed Dec. 30, 1948, Serial No. 571,338. Published Oct. 2, 1951. Class 16.

552,980. Water Softening Apparatus of the Type Wherein Water Is Circulated Through a Tank Containing Zeolite or Other Water Softening Agent. Oilux Corporation, Fort Wayne, Ind.
Filed Jan. 10, 1949, Serial No. 571,912. Published Sept. 18, 1951. Class 31.

552,981. Electrically Heated Counter Appliances—Namely, Food Warmers, Grills, and Fryers. Hercules Steel Products Corporation, doing business as Star Manufacturing Company, Galion, Ohio.
Filed Jan. 13, 1949, Serial No. 572,100. Published Oct. 23, 1951. Class 21.

552,982. Ready-Mixed Interior and Exterior Paints, Paint Enamel, Varnish, Varnish Stain; Barn, Bridge, and Roof Paint, and Truck, Tractor, and Implement Paint. The Hanna Paint Manufacturing Co., Columbus, Ohio.
Filed Jan. 25, 1949, Serial No. 572,738. Published Sept. 25, 1951. Class 16.

552,983. Ladies' Handbags. J. Rudolph, Inc., New York, N. Y.
Filed Jan. 25, 1949, Serial No. 572,774. Published Oct. 23, 1951. Class 3.

552,984. Magazine. The Franciscan Fathers of the Province of Our Lady of Consolation, Inc., Louisville, Ky.
Filed Feb. 7, 1949, Serial No. 573,420. Published Oct. 16, 1951. Class 38.

552,985. Hand Operated, Cable-Type Power Pullers for General Use. The Wyeth-Scott Company, Newark, Ohio.
Filed Feb. 8, 1949, Serial No. 573,517. Published Sept. 25, 1951. Class 23.

552,986. Multiple Port Valves of the Type Used for the Control of the Liquid Flow in Base Exchange Water Treatment Apparatus. Automatic Pump & Softener Corporation, Rockford, Ill.
Filed Mar. 3, 1949, Serial No. 574,812. Published Dec. 5, 1950. Class 13.

552,987. Rubber Base and Varnish Base Paints and Sealers. Red Hand Compositions Company, Inc., New York, N. Y.
Filed Mar. 3, 1949, Serial No. 574,861. Published Sept. 25, 1951. Class 16.

552,988. Books for Learning Foreign Languages. Nils Gerhard Robert Scholdberg, doing business as Bokförlaget The Polyglot Club Schöldberg & Gustafsson, Stockholm, Sweden.
Filed Mar. 4, 1949, Serial No. 574,928. Published Oct. 2, 1951. Class 38.

552,989. Wall Tile. Robertson Manufacturing Company, Morrisville, Pa.
Filed Mar. 30, 1949, Serial No. 576,364. Published Sept. 11, 1951. Class 12.

552,990. Woolen, Silk, Nylon, Rayon, and Cotton Piece Goods. Hira Gidumal, doing business as Gidumal and Sons, New York, N. Y.
Filed Apr. 9, 1949, Serial No. 576,861. Published Oct. 16, 1951. Class 42.

552,991. Painters' Brushes. Whiting-Adams Company, Inc., Boston, Mass.
Filed Apr. 15, 1949, Serial No. 577,242. Published May 2, 1950. Class 29.

552,992. Finish Preservers and Waxes of the Type Which Apply a Protective Coating. Mirror Bright Polish Co., Pasadena, Calif., assignor to Mirror Bright Polish Co., Pasadena, Calif., a firm composed of Maurice W. Meguiar, Malcolm E. Meguiar and Kenneth Meguiar.
Filed May 16, 1949, Serial No. 578,936. Published Oct. 16, 1951. Class 16.

552,993. Cream Food Product in Liquid Form Packed Under Pressure So That It Is Automatically Whipped as It Is Ejected From the Container. Delsoy Products, Inc., Dearborn, Mich., assignor to Delsoy Distributors, Dearborn, Mich.
Filed May 27, 1949, Serial No. 579,586. Published Sept. 11, 1951. Class 46.

552,994. Jewelry for Personal Adornment, Not Including Watches, Etc. Forstner Chain Corporation, Irvington, N. J.
Filed June 1, 1949, Serial No. 579,812. Published Sept. 25, 1951. Class 28.

552,995. Vitamin C Solution. Special Milk Products, Inc., West Los Angeles, Calif., now by change of name Jackson-Mitchell Pharmaceuticals, Inc., a corporation of California.
Filed June 1, 1949, Serial No. 579,842. Published Nov. 7, 1950. Class 18.

552,996. Medicinal Tablets for Treatment of Hypertension. Cabot Chemical Company, Los Angeles, Calif., now by change of name Riker Laboratories, Inc., a corporation of Delaware.
Filed June 7, 1949, Serial No. 580,046. Published Aug. 8, 1950. Class 18.

552,997. Organic Chemicals for Preserving Plant Products Such as Cut Alfalfa and Alfalfa Meal Due to the Loss of Vitamin Content. The B. F. Goodrich Company, doing business as B. F. Goodrich Chemical Company, New York, N. Y., and Akron and Cleveland, Ohio.
Filed June 9, 1949, Serial No. 580,192. Published July 31, 1951. Class 6.

552,998. Preparations for the Hair—Namely, Shampoos. Louise Kinkade, Fremont, Nebr.
Filed June 9, 1949, Serial No. 580,196. Published Oct. 16, 1951. Class 52.

552,999. Machines for Making Paper Bags and Tubes, Paper Printing and Paper Coating Machines. Potdevin Machine Company, Brooklyn, N. Y.
Filed June 10, 1949, Serial No. 580,261. Published Sept. 18, 1951. Class 23.

553,000. Pamphlets and Other Publications Issued From Time to Time. Libby, McNeill & Libby, Chicago, Ill.
Filed June 27, 1949, Serial No. 581,137. Published Oct. 2, 1951. Class 38.

553,001. Dust Collectors of the Filter-Cloth Bag Type for General Industrial Use. Omega Machine Company, Providence, R. I.
Filed June 28, 1949, Serial No. 581,203. Published Sept. 18, 1951. Class 31.

553,002. Filled Insecticide Dispenser in the Nature of Valved Pressure Containers. Casco Products Corporation, Bridgeport, Conn.
Filed July 21, 1949, Serial No. 582,271. Published Sept. 18, 1951. Class 6.

553,003. Women's Hosiery. Aberle, Inc., Philadelphia, Pa.
Filed July 22, 1949, Serial No. 582,334. Published Oct. 16, 1951. Class 39.

553,004. Preparation for the Treatment of Ailments of the Liver, Kidneys and Bladder and for Colic, Nephritis, and Menstrual Disturbances. Solution Schoum & Neutadrol, doing business under the name and style of Laboratoire Schoum, Paris, France.
Filed July 28, 1949, Serial No. 582,656. Published July 24, 1951. Class 18.

553,005. Packing House Equipment—Namely, Dropper Hooks and Guides for Use in Overhead Conveyors for Animal Carcasses, and Shackles, and Tubes for Stuffing Sausage Meat Into Casings, Screen-Equipped Pans for Draining Fats and Cracklings, and Pans for Use in Cooking Veal Loaf. The Allbright-Nell Company, Chicago, Ill.
Filed Aug. 6, 1949, Serial No. 583,069. Published Sept. 25, 1951. Class 13.

553,006. Vinyl Plastic Film Sold in Sheet Form for Making Up Aprons, Shower Curtains, Baby Pants, Table Covers, and Various Other Items. Ross & Roberts, Inc., West Haven, Conn., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Aug. 10, 1949, Serial No. 583,293. Published June 13, 1950. Class 42.

553,007. Diamond Set Drill Bits for Mining Purposes. Wheel Trueing Tool Company, Detroit, Mich.
Filed Aug. 10, 1949, Serial No. 583,304. Published June 26, 1951. Class 23.

553,008. Plastic Signs. Plastisign Corporation of America, Philadelphia, Pa.
Filed Sept. 1, 1949, Serial No. 584,346. Published Sept. 25, 1951. Class 50.

553,009. Drinking Straws. Coast Maid Paper Products Co., Los Angeles, Calif.
Filed Sept. 2, 1949, Serial No. 584,386. Published Sept. 25, 1951. Class 50.

553,010. Candy. Franklin C. Stroeck, doing business as Frank Sale Service, Inc., San Antonio, Tex.
Filed Sept. 2, 1949, Serial No. 584,423. Published Sept. 25, 1951. Class 46.

553,011. Watches, Watch Movements, and Parts Thereof. A. Blumstein, Inc., New York, N. Y.
Filed Sept. 14, 1949, Serial No. 584,792. Published Sept. 25, 1951. Class 27.

553,012. Sedative. The Douglas Chemical Corporation, Evanston, Ill.
Filed Sept. 26, 1949, Serial No. 585,316. Published July 31, 1951. Class 18.

553,013. A Transparent Rubber-Free Resinous Plastic Composition for Temporary Application, Etc. American Silver Company, Inc., Flushing, N. Y.
Filed Sept. 29, 1949, Serial No. 585,504. Published Feb. 13, 1951. Class 16.

553,014. Canned Fish. The French Sardine Company of California, Terminal Island, Calif.
Filed Sept. 30, 1949, Serial No. 585,581. Published Oct. 9, 1951. Class 46.

553,015. Ice Cream. Old Hundred, Incorporated, Southbury, Conn.
Filed Oct. 1, 1949, Serial No. 585,679. Published Oct. 16, 1951. Class 46.

553,016. Serums. The Children's Hospital of Philadelphia, Philadelphia, Pa.
Filed Oct. 6, 1949, Serial No. 585,830. Published Sept. 11, 1951. Class 18.

553,017. Sewing Machines, and Sewing Machine Parts. Necchi Sewing Machine Sales Corp., New York, N. Y.
Filed Oct. 6, 1949, Serial No. 585,856. Published Sept. 25, 1951. Class 23.

553,018. Nylon and Nylon in Conjunction With Cotton, Rayon, and Silk Goods in the Piece. Tanbro Fabrics Corp., New York, N. Y.
Filed Oct. 6, 1949, Serial No. 585,872. Published July 18, 1950. Class 42.

553,019. Textile and Knitted Fabrics Made of Wool, Silk, Cotton, Horsehair, Jute, Hemp, Flax, and Mixtures of Such Fabrics. Lanificio Ermenegildo Zegna, Trivero (Vercelli), Italy.
Filed Oct. 11, 1949, Serial No. 586,123. Published Oct. 16, 1951. Class 42.

553,020. Textile and Knitted Fabrics Made of Wool, Silk, Cotton, Horsehair, Jute, Hemp, Flax, and Mixtures of Such Fabrics. Lanificio Ermenegildo Zegna, Trivero (Vercelli), Italy.
Filed Oct. 11, 1949, Serial No. 586,124. Published Oct. 16, 1951. Class 42.

553,021. Vases, Trays, Cups, Plates, Bottles, Jars, Dishes, Center Pieces, Ornamented Tiles, Small Covered Boxes for Jewelry, Candy, and the Like, All Said Goods Being Made of Earthenware and Porcelain. Societa Ceramica Richard-Ginori, Milan, Italy.
Filed Oct. 12, 1949, Serial No. 586,199. Published Sept. 25, 1951. Class 30.

553,022. Leather in the Piece. Bolton Leathers Limited, Bolton, England.
Filed Oct. 13, 1949, Serial No. 586,386. Published July 17, 1951. Class 1.

553,023. Periodical Publications. World Editions, Inc., New York, N. Y.
Filed Oct. 26, 1949, Serial No. 586,899. Published Oct. 2, 1951. Class 38.

553,024. Anti-Histaminic Tablet for the Symptomatic Relief of Colds and Hay Fever. Purepac Corporation, New York, N. Y.
Filed Nov. 9, 1949, Serial No. 587,561. Published Aug. 29, 1950. Class 18.

553,025. Foldable Shopping Carts. Louis S. Weast, doing business as Weast, Los Angeles, Calif.
Filed Nov. 14, 1949, Serial No. 587,772. Published Sept. 4, 1951. Class 19.

553,026. Cookies. Liza-Jean Sweets, Inc., Cleveland, Ohio.
Filed Nov. 18, 1949, Serial No. 588,035. Published Oct. 9, 1951. Class 46.

553,027. Starching Machines. G. H. Bishop Co., Chicago, Ill.
Filed Nov. 26, 1949, Serial No. 588,363. Published Oct. 16, 1951. Class 24.

553,028. Air Porous, Sheet-Like Filter Media, Etc. American Air Filter Company, Inc., Louisville, Ky.
Filed Dec. 1, 1949, Serial No. 588,614. Published Sept. 18, 1951. Class 31.

553,029. Wire Staples Used in Stapling Papers, Cardboard, Wood, and Metal. California Wire Products Co., Inc., Visalia, Calif.
Filed Dec. 2, 1949, Serial No. 588,676. Published Oct. 23, 1951. Class 13.

553,030. Heat Treated Mineral Dehumidifying Materials in Fabric Bags, for Use in Institutional Refrigerating Units. McDonald Industries, Inc., Boston, Mass., assignor to The McDonald Company, Boston, Mass., a corporation of Massachusetts.
Filed Dec. 3, 1949, Serial No. 588,765. Published Oct. 9, 1951. Class 6.

553,031. Air Porous, Sheet-Like Filter Media, Etc. American Air Filter Company, Inc., Louisville, Ky.
Filed Dec. 7, 1949, Serial No. 588,925. Published Sept. 18, 1951. Class 31.

553,032. Medicinal Preparation for the Treatment of Coughs. The Upjohn Company, Kalamazoo, Mich.
Filed Dec. 8, 1949, Serial No. 589,055. Published July 31, 1951. Class 18.

553,033. Medical Preparation for Symptoms of Excessive Stomach Acidity. The Dill Company, Norristown, Pa.
Filed Dec. 14, 1949, Serial No. 589,307. Published July 24, 1951. Class 18.

553,034. Bottled Lemon Juice and Bottled Lime Juice. Puretex Lemon Juice, Inc., Raymondville, Tex.
Filed Oct. 7, 1949, Serial No. 589,617. Published Oct. 2, 1951. Class 46.

553,035. Waffle Syrup, Chocolate Syrup for Food Purposes, and Food Flavoring Emulsions, Food Flavoring Extracts, Food Flavoring Syrups, and Food Flavoring Concentrates. Ralston D. McCrosky, doing business as Akron Fruit Topping, Akron, Ohio.
Filed Dec. 30, 1949, Serial No. 590,170. Published Oct. 23, 1951. Class 46.

553,036. Grommets. Collord, Incorporated, Detroit, Mich.
Filed Jan. 5, 1950, Serial No. 590,352. Published Oct. 16, 1951. Class 13.

553,037. Automatic Hose Winding Machines and Housings Therefor, Etc. John Wood Company, New York, N. Y., and Muskegon Heights, Mich.
Filed Jan. 7, 1950, Serial No. 590,539. Published Oct. 9, 1951. Class 23.

553,038. Pigeon Feed. The Philadelphia Seed Company, Philadelphia, Pa.
Filed Dec. 3, 1949, Serial No. 590,634. Published Oct. 23, 1951. Class 46.

553,039. Underwear for Men, Women, and Children; Hosiery; Sport Shirts; Sweaters; Swim Trunks; Sport Shorts and T-Shirts. Cooper's, Incorporated, Kenosha, Wis.
Filed Feb. 9, 1950, Serial No. 592,195. Published Oct. 16, 1951. Class 39.

553,040. Wafers, Cakes, Crackers, and Biscuits. Crispo Biscuit Company, Inc., Clifton, N. J.
Filed Feb. 11, 1950, Serial No. 592,311. Published Sept. 11, 1951. Class 46.

553,041. Textile Fabrics of Synthetic Fibers. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Feb. 15, 1950, Serial No. 592,482. Published Jan. 30, 1951. Class 42.

553,042. Fresh Deciduous Fruits and Fresh Vegetables. Palmer C. Mendelson Co., San Francisco, Calif.
Filed Feb. 20, 1950, Serial No. 592,773. Published Sept. 11, 1951. Class 46.

553,043. Candy. Halo-Star Corporation, Oak Park, Ill.
Filed Feb. 24, 1950, Serial No. 593,000. Published Sept. 11, 1951. Class 46.

553,044. Filter Aid Based on Diatomaceous Earth Which Is Particularly Adapted to the Filtration of Colloidal Suspensions and Oil-in-Water Emulsions. Great Lakes Carbon Corporation, New York, N. Y.
Filed Mar. 4, 1950, Serial No. 593,408. Published Sept. 4, 1951. Class 31.

553,045. Food Colors. H. Kohnstamm & Co., Inc., New York, N. Y.
Filed Mar. 4, 1950, Serial No. 593,417. Published Sept. 11, 1951. Class 46.

553,046. Frozen Shrimp. Pesquera e Industrializadora de Guaymas, S. A., Guaymas, Sonora, Mexico.
Filed Mar. 6, 1950, Serial No. 593,498. Published Oct. 2, 1951. Class 46.

553,047. Plywood, Unfinished and Finished Lumber. Lehwood Corporation, South Bend, Ind.
Filed Mar. 17, 1950, Serial No. 594,130. Published Aug. 7, 1951. Class 12.

553,048. Lauryl Sulfate. The Stepan Chemical Company, Chicago, Ill.
Filed Mar. 28, 1950, Serial No. 594,813. Published Oct. 9, 1951. Class 6.

553,049. Metal Windows and Parts Thereof—Namely, Frames and Lintels, Casings and Surrounds; Window Screens; Metal Doors; Metal Joists; Beams, Hangers for Anchoring Metal Joist to Beams; Etc. Truscon Steel Company, Youngstown, Ohio.
Filed Mar. 28, 1950, Serial No. 594,818. Published Aug. 14, 1951. Class 12.

553,050. Closures for Receptacles. Hazel-Atlas Glass Company, Wheeling W. Va.
Filed Apr. 5, 1950, Serial No. 595,256. Published Sept. 25, 1951. Class 50.

553,051. Cleaner and Lubricant for Flatwork Ironers and Presses. B. Heller & Company, Chicago, Ill.
Filed Apr. 6, 1950, Serial No. 595,320. Published Oct. 9, 1951. Class 52.

553,052. Ceramic Ready-Mixed Underglaze, Glaze, and Over-Glaze Color Coatings. Paul H. Houser, doing business as West Coast Trading Company, Los Angeles, Calif.
Filed Apr. 7, 1950, Serial No. 595,377. Published Sept. 4, 1951. Class 16.

553,053. Fabrics in the Piece of Wool, Rayon, Silk, Cotton, and Mixtures Thereof for Use in the Manufacture of Neckties. Goodman & Theise Inc., New York, N. Y.
Filed Apr. 10, 1950, Serial No. 595,499. Published Oct. 16, 1951. Class 42.

553,054. White Disinfectant and Preservative Gaseous Disk Put Up in Jars. American Drug & Chemical Co., Minneapolis, Minn
Filed Apr. 17, 1950, Serial No. 595,816. Published Oct. 9, 1951. Class 6.

553,055. Prepared Building Blocks. The Union Sand and Supply Corporation, Painesville, Ohio.
Filed Apr. 18, 1950, Serial No. 595,922. Published Aug. 7, 1951. Class 12.

553,056. Grooved Phonograph Records. Mercury Record Corporation, Chicago, Ill.
Filed Apr. 25, 1950, Serial No. 596,291. Published Oct. 23, 1951. Class 36.

553,057. Mops, Mop Heads, and Mop Swabs. American Standard Mfg. Co., Chicago, Ill.
Filed May 2, 1950, Serial No. 596,703. Published Aug. 7, 1951. Class 29.

553,058. Electronic Testing Equipment, i. e., Apparatus for Producing Electrical Signals Which Are Adapted for Testing Television Receivers, Cathode Ray Tube Circuits, High Voltage Circuits, and the Like. Video Television, Inc., New York, N. Y.
Filed May 4, 1950, Serial No. 596,886. Published Oct. 9, 1951. Class 26.

553,059. Oleomargarine, Cottonseed Oil for Use in Salads, and Shortening Made of Vegetable Oil. Haas, Baruch & Co., Los Angeles, Calif.
Filed May 5, 1950, Serial No. 596,917. Published Oct. 23, 1951. Class 46.

553,060. Tanning Substances. Wargöns Aktiebolag, Vargon, Sweden.
Filed May 5, 1950, Serial No. 596,964. Published Oct. 9, 1951. Class 6.

553,061. Chemical for Industrial Use Which Is Obtained by the Evaporation to Solid Condition of Waste Sulphite Liquor. Wargöns Aktiebolag, Vargon, Sweden.
Filed May 5, 1950, Serial No. 596,965. Published Oct. 9, 1951. Class 6.

553,062. Inositol Hexanitrate Composition for Use in Treatment of Hypertension. Commercial Solvents Corporation, New York, N. Y.
Filed May 11, 1950, Serial No. 597,253. Published July 31, 1951. Class 18.

553,063. Roasted Coffee. Rich Maid Manufacturing Company, Inc., Richmond, Va.
Filed May 11, 1950, Serial No. 597,295. Published Oct. 23, 1951. Class 46.

553,064. Fireworks. Tang Bick Tong, carrying on business under the name of Kwan Yick Fireworks Company, Macau, Victoria, Hong Kong.
Filed May 12, 1950, Serial No. 597,361. Published Sept. 11, 1951. Class 9.

553,065. Fireworks. Tang Kuen Hung, carrying on business under the name of Wang Yick Fireworks Company, Victoria, Hong Kong.
Filed May 12, 1950, Serial No. 597,362. Published Oct. 9, 1951. Class 9.

553,066. Saddles, Saddle Bags, Bridles, Martingales, Breast Collars, and Halters. Minnesota Wholesalers, Inc., Minneapolis, Minn.
Filed May 13, 1950, Serial No. 597,410. Published Oct. 9, 1951. Class 3.

553,067. Room Deodorizers and Air Sanitizers, Moth Proofing Preparations, Insect Sprays. Tru-Pine Company, Chicago, Ill.
Filed May 13, 1950, Serial No. 597,418. Published Oct. 9, 1951. Class 6.

553,068. Perfume. Bourjois, Inc., New York, N. Y.
Filed May 18, 1950, Serial No. 597,663. Published July 31, 1951. Class 51.

553,069. Portable Electric Broilers for Cooking Purposes. Robert M. Fairbanks, Bradenton, Fla.
Filed June 1, 1950, Serial No. 598,415. Published Oct. 9, 1951. Class 21.

553,070. Kippered Fish in Boxes. Andrew Johnson, Knudtzon, Ltd., Hull, England.
Filed June 1, 1950, Serial No. 598,421. Published Oct. 23, 1951. Class 46.

553,071. Compositions Comprising Streptomycin and Glucuronolactone for Use in Decreasing and Suppressing the Growth of Enteric Bacteria. Commercial Solvents Corporation, New York, N. Y.
Filed June 3, 1950, Serial No. 598,522. Published July 24, 1951. Class 18.

553,072. Fresh Pears. Barnes Bros., Medford, Oreg.
Filed June 5, 1950, Serial No. 598,569. Published Oct. 23, 1951. Class 46.

553,073. Coal. Lafayette Coal Company, Chicago, Ill.
Filed June 7, 1950, Serial No. 598,729. Published Sept. 25, 1951. Class 1.

553,074. Coal. Lafayette Coal Company, Chicago, Ill.
Filed June 7, 1950, Serial No. 598,730. Published Sept. 25, 1951. Class 1.

553,075. Coal. Lafayette Coal Company, Chicago, Ill.
Filed June 7, 1950, Serial No. 598,731. Published Sept. 25, 1951. Class 1.

553,076. Coal. Lafayette Coal Company, Chicago, Ill.
Filed June 7, 1950, Serial No. 598,732. Published Sept. 25, 1951. Class 1.

553,077. Children's Magazine. Diamond Sales Corporation, New York, N. Y.
Filed June 10, 1950, Serial No. 598,897. Published Oct. 2, 1951. Class 38.

553,078. Machine for the Production of Venetian Blind Steel Head Channels, Steel Bottom Rails, Steel Tilt Rods. Carey-McFall Company, Philadelphia, Pa.
Filed June 14, 1950, Serial No. 599,082. Published Oct. 9, 1951. Class 23.

553,079. Employees' Publication Issued From Time To Time. Diamond Alkali Company, Cleveland, Ohio.
Filed June 14, 1950, Serial No. 599,086. Published Oct. 2, 1951. Class 38.

553,080. Perfume. Richard Hudnut, New York, N. Y.
Filed June 14, 1950, Serial No. 599,093. Published Sept. 25, 1951. Class 51.

553,081. Threading Taps. Sossner Tap and Tool Corporation, New York, N. Y.
Filed June 15, 1950, Serial No. 599,197. Published Oct. 2, 1951. Class 23.

553,082. Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibers, and Mixtures Thereof. Jerry Rossman Corporation, New York, N. Y.
Filed June 21, 1950, Serial No. 599,529. Published Oct. 16, 1951. Class 42.

553,083. Combination Phonograph-Slide Projector. Murray Ronick, New York, N. Y.
Filed June 26, 1950, Serial No. 599,783. Published Oct. 2, 1951. Class 26.

553,084. Bread. Fischer Baking Company, Newark, N. J.
Filed June 27, 1950, Serial No. 599,822. Published Oct. 23, 1951. Class 46.

553,085. Frozen Confection Bars. Good Humor Corporation, Brooklyn, N. Y.
Filed June 28, 1950, Serial No. 599,869. Published Sept. 11, 1951. Class 46.

553,086. Fresh Fruits. B. C. Tree Fruits Limited, Kelowna, British Columbia, Canada.
Filed June 29, 1950, Serial No. 599,923. Published Aug. 28, 1951. Class 46.

553,087. Detergent for Laundry Uses. General Biochemicals, Inc., Chagrin Falls, Ohio, now by change of name Chagrin Falls Chemicals, Inc., a corporation of Ohio, assignor, by mesne assignments, to General Biochemicals, Inc. (1951), Chagrin Falls, Ohio, a corporation of Ohio.
Filed June 29, 1950, Serial No. 599,939. Published Oct. 2, 1951. Class 52.

553,088. Cotton Garments Especially Adapted for Hospital Use, and Comprising: Children's Gowns, Infants' Gowns, Etc. Will Ross, Inc., Milwaukee, Wis.
Filed June 29, 1950, Serial No. 599,979. Published Oct. 16, 1951. Class 39.

553,089. Publication Published From Time to Time. Technicolor Motion Picture Corporation, Los Angeles and Hollywood, Calif.
Filed June 30, 1950, Serial No. 600,091. Published Oct. 2, 1951. Class 38.

553,090. Piece Goods of Synthetic Fibers. Windsor Fabrics, New York, N. Y.
Filed July 1, 1950, Serial No. 600,159. Published Oct. 16, 1951. Class 42.

553,091. Commercial Laundry Machinery or Apparatus—Namely, Commercial Flatwork Ironers and Parts Therefor. The American Laundry Machinery Company, Cincinnati, Ohio.
Filed July 6, 1950, Serial No. 600,249. Published Oct. 16, 1951. Class 24.

553,092. Combined Metal Tray and Clamp. Henry M. Peters, doing business under the style and name of Tatch-A-Tray Products, Chicago, Ill.
Filed July 7, 1950, Serial No. 600,348. Published Oct. 23, 1951. Class 13.

553,093. Canned Prepared Top-Shell. Fujii Junichi Shoten, Limited, Honolulu, Territory of Hawaii.
Filed July 10, 1950, Serial No. 600,428. Published Sept. 18, 1951. Class 46.

553,094. Household Brooms. Richmond Broom Company, Richmond, Va.
Filed July 11, 1950, Serial No. 600,511. Published Sept. 4, 1951. Class 29.

553,095. Printed Publication, Issued Monthly. Samuel B. Gornbein, Los Angeles, Calif.
Filed July 17, 1950, Serial No. 600,774. Published Oct. 2, 1951. Class 38.

553,096. Protein Digestant Used for the Removal of Spots and Stains From Clothing and Similar Items Normally Cleaned by the Dry Cleaning Industry. Pabst Brewing Company, Chicago, Ill.
Filed July 20, 1950, Serial No. 600,968. Published Oct. 16, 1951. Class 52.

553,097. Mechanical Refrigeration Apparatus and Parts Thereof—Namely, Compressors and Condensing Units; Ice Makers for Bulb and Cube Ice; Refrigerated Display Cases; Etc. Carrier Corporation, Syracuse, N. Y.
Filed July 27, 1950, Serial No. 601,309. Published Oct. 9, 1951. Class 31.

553,098. Mechanical Refrigeration Apparatus and Parts Thereof, Etc. Carrier Corporation, Syracuse, N. Y.
Filed July 27, 1950, Serial No. 601,310. Published Oct. 2, 1951. Class 31.

553,099. Electric Welding Machinery Consisting of Spot Welders, Butt Welders, Flash Welders, Seam Welders, Chain Welders, Projection Welders, Weld Flash Trimming Machines, and Special Welding Machines. Swift Electric Welder Company, Detroit, Mich.
Filed July 29, 1950, Serial No. 601,483. Published Sept. 25, 1951. Class 21.

553,100. Luminous Fluorescent Signs and Displays and Parts Thereof. Defiance Manufacturing Company, Inc., Los Angeles, Calif
Filed Aug. 1, 1950, Serial No. 601,538. Published Oct. 9, 1951. Class 21.

553,101. Industrial Air Filters of the Screen Type for Separating and Collecting Dust, and Parts Thereof. Pangborn Corporation, Hagerstown, Md.
Filed Aug. 1, 1950, Serial No. 601,562. Published Oct. 9, 1951. Class 31.

553,102. Canned Sliced Apples, Canned Baked Apples, Canned Blackberries, Canned Huckleberries, Canned Tomatoes, Canned Peaches, Jams, and Jellies. Patrick County Canning Co., Inc., Stuart, Va.
Filed Aug. 1, 1950, Serial No. 601,564. Published Sept. 25, 1951. Class 46.

553,103. Refractory Crucibles for Analysis of Metals. Lindberg Engineering Company, Chicago, Ill.
Filed Aug. 3, 1950, Serial No. 601,680. Published Oct. 2, 1951. Class 26.

553,104. Paints in Dry Paste, and Ready-Mixed Form, Lacquers, Paint Enamels, Aeroplane Dopes, Solvents for Paints, Lacquers, Varnishes, Enamels, Shellacs, Etc. Coating Materials Laboratories, Inc., Belleville, N. J.
Filed July 20, 1950, Serial No. 601,864. Published Sept. 11, 1951. Class 16.

553,105. Musical Instruments, Such as Clarinets, Trumpets, Cornets, Trombones, Piccolos, Flutes, and Oboes. Hoosier Band Instrument Co. Inc., Elkhart, Ind.
Filed Aug. 18, 1950, Serial No. 602,399. Published Oct. 23, 1951. Class 36.

553,106. Shingles of Asphalt Roofing Material. Certain-teed Products Corporation, Ardmore, Pa.
Filed Aug. 22, 1950, Serial No. 602,545. Published Sept. 11, 1951. Class 12.

553,107. Molding or Casting Plaster of Calcined Gypsum. Certain-teed Products Corporation, Ardmore, Pa.
Filed Aug. 22, 1950, Serial No. 602,546. Published Sept. 11, 1951. Class 12.

553,108. Varnishes and Lacquers. Interchemical Corporation, New York, N. Y.
Filed Aug. 22, 1950, Serial No. 602,557. Published Sept. 25, 1951. Class 16.

553,109. Enamels. General Paint Corporation of Canada Limited, Vancouver, British Columbia, Canada.
Priority under Sec. 44(d). Canadian Registration No. N. S. 34,473/134, filed Feb. 25, 1950.
Filed Aug. 23, 1950, Serial No. 602,611. Published Sept. 18, 1951. Class 16.

553,110. Electrically Operated Printing Machines—Namely, Electrically Operated Printing Machines for Printing Addresses, Accounting Data, and Other Matter. Addressograph-Multigraph Corporation, Cleveland, Ohio.
Filed Aug. 24, 1950, Serial No. 602,661. Published Oct. 9, 1951. Class 21.

553,111. Electrically Operated Printing Machines—Namely, Electrically Operated Duplicating Machines Addressograph-Multigraph Corporation, Cleveland, Ohio.
Filed Aug. 24, 1950, Serial No. 602,662. Published Oct. 9, 1951. Class 21.

553,112. Electrically Operated Printing Machines—Namely, Electrically Operated Duplicating Machines. Addressograph-Multigraph Corporation, Cleveland, Ohio.
Filed Aug. 24, 1950, Serial No. 602,663. Published Oct. 9, 1951. Class 21.

553,113. Electrically Operated Machines for Embossing Printing Characters on Printing Plates. Addressograph-Multigraph Corporation, Cleveland, Ohio.
Filed Aug. 24, 1950, Serial No. 602,664. Published Oct. 9, 1951. Class 21.

553,114. Electrically Operated Printing Machines—Namely, Electrically Operated Printing Machines for Printing Addresses, Accounting Data, and Other Matter, Electrically Operated Duplicating Machines, and Electrically Operated Machines for Embossing Printing Characters on Printing Plates. Addressograph-Multigraph Corporation, Cleveland, Ohio.
Filed Aug. 24, 1950, Serial No. 602,665. Published Oct. 9, 1951. Class 21.

553,115. Absorbent Pads for Use as Diapers. Sigmund Crane, New York, N. Y.
Filed Aug. 31, 1950, Serial No. 603,002. Published Oct. 16, 1951. Class 39.

553,116. Surface Active Agent Solution for Dilution Into Solutions for Cleaning Glassware and Utensils. The Emil Greiner Company, New York, N. Y.
Filed Sept. 1, 1950, Serial No. 603,059. Published Oct. 2, 1951. Class 52.

553,117. Canned Vegetables and Canned Fruits. Kelley, Farquhar & Co., Tacoma, Wash.
Filed Sept. 1, 1950, Serial No. 603,065. Published Aug. 7, 1951. Class 46.

553,118. Ladies', Men's, and Children's Hosiery. Knit Products Corporation, Belmont, N. C.
Filed Sept. 1, 1950, Serial No. 603,068. Published Oct. 16, 1951. Class 39

553,119. Watches. Manhattan Novelty Corporation, New York, N. Y.
Filed Dec. 2, 1950, Serial No. 607,224. Published Oct. 23, 1951. Class 27.

553,120. Synthetic Plastic Materials in the Form of Rods, Strips, and Tubing, and Particularly Rods, Strips, and Tubing Made From Nylon. The Polymer Corporation, Reading, Pa.
Filed Sept. 6, 1950, Serial No. 603,204. Published Sept. 25, 1951. Class 1.

553,121. Liquid Paints. Synthetic & Industrial Finishes Limited, Watford, England.
Filed Sept. 6, 1950, Serial No. 603,211. Published Sept. 25, 1951. Class 16.

553,122. Hydrolyzed Plant Protein Used as an Ingredient in Food Compositions. A. E. Staley Manufacturing Company, Decatur, Ill.
Filed Sept. 7, 1950, Serial No. 603,341. Published Oct. 23, 1951. Class 46.

553,123. Water Color Paint. Hamilton Dwight Company, Inc., New York, N. Y.
Filed Sept. 12, 1950, Serial No. 603,449. Published Sept. 25, 1951. Class 16.

553,124. Welding Helmets, Welding Hand Shields, Glass for Same, Sand Blast Helmets, and Face Shields. The Fibre Metal Products Company, Chester, Pa.
Filed Sept. 14, 1950, Serial No. 603,521. Published Oct. 2, 1951. Class 26.

553,125. Lightning Protection Apparatus and Parts Thereof, Etc. Independent Protection Co. Inc., Goshen, Ind.
Filed Sept. 14, 1950, Serial No. 603,531. Published Sept. 25, 1951. Class 21.

553,126. Pile Fabrics in the Piece Made of Cotton and/or Wool and/or Synthetic Fibers. Draper Brothers Company, Canton, Mass.
Filed Sept. 20, 1950, Serial No. 603,774. Published Oct. 16, 1951. Class 42.

553,127. Tablets Containing Monobromisovaleryl Urea and Used as a Sedative. Tablerock Laboratories, Inc., doing business under the style name Tablerock Laboratories, Greenville, S. C.
Filed Sept. 22, 1950, Serial No. 603,903. Published July 31, 1951. Class 18.

553,128. Tablets Containing Monobromisovaleryl Urea With Belladonna Alkaloids Used as a Sedative and Anti-Spasmodic. Tablerock Laboratories, Inc., doing business under the style name Tablerock Laboratories, Greenville, S. C.
Filed Sept. 22, 1950, Serial No. 603,904. Published July 31, 1951. Class 18.

553,129. Color Concentrates To Be Mixed With Paints. General Paint Corporation, San Francisco, Calif.
Filed Sept. 23, 1950, Serial No. 603,920. Published Sept. 25, 1951. Class 16.

553,130. Magazine. Ziff-Davis Publishing Company, Chicago, Ill.
Filed Sept. 21, 1950, Serial No. 603,978. Published Oct. 9, 1951. Class 38.

553,131. Fresh Apples. B. C. Tree Fruits Limited, Kelowna, British Columbia, Canada.
Filed Sept. 27, 1950, Serial No. 604,063. Published Sept. 18, 1951. Class 46.

553,132. Chemical Compositions Having Antiseptic, Germicidal, and Fungicidal Properties Such as Para Chloro Meta Xylenol. The Ottawa Chemical Company, Toledo, Ohio.
Filed Sept. 27, 1950, Serial No. 604,103. Published Oct. 9, 1951. Class 18.

553,133. Hydraulic Cement. Universal Atlas Cement Company, New York, N. Y.
Filed Oct. 5, 1950, Serial No. 604,501. Published Aug. 28, 1951. Class 12.

553,134. Weekly Publication. Editorial Dante Quinterno, Sociedad Anonima, Buenos Aires, Argentina.
Original filed, act of 1946, Supplemental Register, Sept. 18, 1950; amended to application, Principal Register, Oct. 6, 1950, Serial No. 604,557. Published Oct. 16, 1951. Class 38.

553,135. Antibiotic Preparation. Chas. Pfizer & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc., a corporation of Delaware.
Filed Oct. 11, 1950, Serial No. 604,741. Published July 24, 1951. Class 18.

553,136. Plywood. Plywood Incorporated, Detroit, Mich.
Filed Oct. 11, 1950, Serial No. 604,743. Published Aug. 7, 1951. Class 12.

553,137. Lawnmowers. Monark Silver King, Inc., Chicago, Ill.
Filed Oct. 12, 1950, Serial No. 604,790. Published Oct. 9, 1951. Class 23.

553,138. Musical Horns. F. A. Reynolds Co. Inc., Cleveland, Ohio.
Filed Oct. 12, 1950, Serial No. 604,808. Published Oct. 23, 1951. Class 36.

553,139. Oral Preparation Containing Vitamin B_{12} and Folic Acid. Abbott Laboratories, North Chicago, Ill.
Filed Oct. 13, 1950, Serial No. 604,829. Published July 24, 1951. Class 18.

553,140. Textile Carpets and Rugs. Artloom Carpet Co., Inc., Philadelphia, Pa.
Filed Oct. 13, 1950, Serial No. 604,830. Published Oct. 16, 1951. Class 42.

553,141. Magazine. Ziff-Davis Publishing Company, Chicago, Ill.
Filed Oct. 13, 1950, Serial No. 604,878. Published Oct. 2, 1951. Class 38.

553,142. Lawnmowers. Monark Silver King, Inc., Chicago, Ill.
Filed Oct. 14, 1950, Serial No. 604,918. Published Sept. 18, 1951. Class 23.

553,143. Cotton Fabrics. Goldfarb Bros., New York, N. Y.
Filed Oct. 16, 1950, Serial No. 604,966. Published Oct. 16, 1951. Class 42.

553,144. Saddlery Hardware—Namely, Bits, Stirrups, Spurs, Buckles, and Rings. "Little Joe" Wiesenfeld Co., Baltimore, Md.
Filed Oct. 16, 1950, Serial No. 604,976. Published Oct. 9, 1951. Class 3.

553,145. Antirheumatic, Analgesic, Antipyretic Preparation. Geigy Company, Inc., New York, N. Y.
Filed Oct. 17, 1950, Serial No. 605,024. Published July 31, 1951. Class 18.

553,146. Dog Collars. Louis S. Elsinger, Atlanta, Ga., assignor to The Show Off Corporation, Dover, Del., a corporation of Delaware.
Filed Oct. 18, 1950, Serial No. 605,092. Published Oct. 9, 1951. Class 3.

553,147. Combination Windows. The Burrowes Corporation, Portland, Maine.
Filed Oct. 20, 1950, Serial No. 605,195. Published Sept. 11, 1951. Class 12.

553,148. Storm Windows, Both Rigid and Flexible. The Columbia Mills, Inc., Syracuse, N. Y.
Filed Oct. 20, 1950, Serial No. 605,199. Published Aug. 7, 1951. Class 12.

553,149. Paint and Varnish Remover. Pockrandt, Inc., Bay City, Mich.
Filed Oct. 21, 1950, Serial No. 605,264. Published Sept. 25, 1951. Class 16.

553,150. Advertising Pieces and Literature—Namely, Business Reply Cards, All Sold as Such and Directed to the Advertising of Various Merchandise and Issued and Distributed From Time to Time. American Furniture Sales Company, Cleveland, Ohio.
Filed Oct. 24, 1950, Serial No. 605,344. Published Oct. 2, 1951. Class 38.

553,151. Brassières and Bandeaux. Bali Brassiere Co., Inc., New York, N. Y.
Filed Oct. 27, 1950, Serial No. 605,459. Published Oct. 16, 1951. Class 39.

553,152. Floor Wax. Chemical Service of Baltimore, Baltimore, Md.
Filed Oct. 27, 1950, Serial No. 605,466. Published Sept. 18, 1951. Class 16.

553,153. Floor Wax. Chemical Service of Baltimore, Baltimore, Md.
Filed Oct. 30, 1950, Serial No. 605,578. Published Sept. 4, 1951. Class 16.

553,154. Fire Brick. A. P. Green Fire Brick Company, Mexico, Mo.
Filed Oct. 30, 1950, Serial No. 605,583. Published Aug. 28, 1951. Class 12.

553,155. Paint Products—Namely, Casein Base Water Paints. De Soto Paint & Varnish Co., Memphis, Tenn.
Filed Oct. 31, 1950, Serial No. 605,635. Published Sept. 4, 1951. Class 16.

553,156. Paint Products—Namely, Aluminum Paints for Interior and Exterior Use. De Soto Paint & Varnish Co., Memphis, Tenn.
Filed Oct. 31, 1950, Serial No. 605,636. Published Sept. 4, 1951. Class 16.

553,157. Scaffolding and Parts Thereof. The Patent Scaffolding Co., Inc., Long Island City, N. Y.
Filed Nov. 1, 1950, Serial No. 605,759. Published Sept. 25, 1951. Class 50.

553,158. Colored Cement Stone Slabs for Exterior and Interior Building Facings and the Like. Beard Builders, Stanton, Mich.
Filed Nov. 3, 1950, Serial No. 605,839. Published Aug. 7, 1951. Class 12.

553,159. Ice Cream Bars. Foremost Dairies, Inc., Jacksonville, Fla.
Filed Nov. 6, 1950, Serial No. 605,948. Published Sept. 11, 1951. Class 46.

553,160. Hand Held Electric Motor Driven Tool Holders for Drilling, Polishing, Etc. Casco Products Corporation, Bridgeport, Conn.
Filed Nov. 7, 1950, Serial No. 605,991. Published Oct. 23, 1951. Class 21.

553,161. Brooms. The New York Association for the Blind, Inc., New York, N. Y.
Filed Nov. 7, 1950, Serial No. 606,029. Published July 24, 1951. Class 29.

553,162. Brooms. The New York Association For The Blind, Inc., New York, N. Y.
Filed Nov. 7, 1950, Serial No. 606,031. Published July 24, 1951. Class 29.

553,163. Brooms. The New York Association For The Blind, Inc., New York, N. Y.
Filed Nov. 7, 1950, Serial No. 606,038. Published July 24, 1951. Class 29.

553,164. Brooms. The New York Association For The Blind, Inc., New York, N. Y.
Filed Nov. 7, 1950, Serial No. 606,040. Published July 24, 1951. Class 29.

553,165. Infant's Creeper. Perfect Knit Togs, Inc., New York, N. Y.
Filed Nov. 7, 1950, Serial No. 606,046. Published Oct. 16, 1951. Class 39.

553,166. Pharmaceutical Preparation for the Control of Pre-Menstrual Tension. Nutrition Research Laboratories, Inc., Chicago, Ill.
Filed Nov. 8, 1950, Serial No. 606,080. Published July 24, 1951. Class 18.

553,167. Bed Spreads, Draperies, Textile Rugs, and Bath Mats. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,134. Published Oct. 16, 1951. Class 42.

553,168. Canned Salmon. Independent Salmon Canneries, Inc., Seattle, Wash.
Filed Nov. 10, 1950, Serial No. 606,225. Published Aug. 28, 1951. Class 46.

553,169. Printed Books Published at Irregular Intervals. Charlotte Schuchardt, executrix under the last will and testament of Alfred Korzybski (deceased), carrying on a business under the name of International Non-Aristotelian Library Publishing Company, Lakeville, Conn.
Filed Nov. 10, 1950, Serial No. 606,240. Published Oct. 16, 1951. Class 38.

553,170. Electric Signs and Transformers Employed Therein. GHN Neon Co., Culver City, Calif.
Filed Nov. 13, 1950, Serial No. 606,291. Published Sept. 25, 1951. Class 21.

553,171. Wall Tiles. Hunter Douglas Corporation, New York, N. Y.
Filed Nov. 14, 1950, Serial No. 606,381. Published Aug. 28, 1951. Class 12.

553,172. Hand Luggage. Platt Luggage, Inc., Chicago, Ill.
Filed Nov. 15, 1950, Serial No. 606,436. Published Oct. 23, 1951. Class 3.

553,173. Lacquers. The Sherwin-Williams Company, Cleveland, Ohio.
Filed Nov. 16, 1950, Serial No. 606,496. Published Sept. 18, 1951. Class 16.

553,174. Pharmaceutical Preparation, Having Analgesic and Anodyne Properties, Which Tend To Relieve Pain Associated With Rheumatism, Neuralgia, Neuritis, Lumbago, Sciatica, Colds, Headache, Tonsilitis, Influenza, and for Minor Pains Generally. The S. E. Massengill Company, Bristol, Tenn.
Filed Nov. 17, 1950, Serial No. 606,537. Published July 31, 1951. Class 18.

553,175. Veterinary Preparation Having Stimulant, Antiseptic, and Carminative Actions. The S. E. Massengill Company, Bristol, Tenn.
Filed Nov. 17, 1950, Serial No. 606,544. Published July 31, 1951. Class 18.

553,176. Doors, Windows; Complete Window Units Including a Frame, a Window, and a Weatherstrip; Moldings, Screens, Overhead Garage Doors. Associated Door and Plywood Company, Chicago, Ill.
Filed Nov. 21, 1950, Serial No. 606,691. Published Aug. 28, 1951. Class 12.

553,177. Defoaming Agents Used in Dyeing Processes. American Aniline Products, Inc., New York, N. Y.
Filed Nov. 22, 1950, Serial No. 606,744. Published Oct. 9, 1951. Class 6.

553,178. Billfolds, Wallets, and Key Cases. Paul Weinberger, doing business under the name of Triumph Leather Goods Co., New York, N. Y.
Filed Nov. 22, 1950, Serial No. 606,830. Published Oct. 23, 1951. Class 3.

553,179. Pie Crust Mix. American Stores Company, Philadelphia, Pa.
Filed Nov. 24, 1950, Serial No. 606,842. Published Aug. 14, 1951. Class 46.

553,180. Periodical. American Trade Publishing Company, New York, N. Y.
Filed Nov. 24, 1950, Serial No. 606,845. Published Oct. 2, 1951. Class 38.

553,181. Ladies' Hosiery. Cordele Hosiery Mills, Incorporated, Cordele, Ga.
Filed Nov. 24, 1950, Serial No. 606,853. Published Oct. 16, 1951. Class 39.

553,182. Absorbent Covered Frangible Ampules Containing Perfumes of Various Fragrances Manufactured by Others Than Applicant. Stuart-Chase Co., North Bergen, N. J.
Filed Nov. 24, 1950, Serial No. 606,909. Published Sept. 25, 1951. Class 51.

553,183. Watches and Clocks. Felca S. A., Grenchen, Switzerland.
Filed Nov. 25, 1950, Serial No. 606,938. Published Sept. 25, 1951. Class 27.

553,184. Adjustable Shores. Baker-Roos, Inc., Indianapolis, Ind.
Filed Nov. 27, 1950, Serial No. 606,965. Published Sept. 11, 1951. Class 12.

553,185. Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lipsticks. Vigny, Inc., New York, N. Y.
Filed Nov. 28, 1950, Serial No. 607,058. Published Sept. 25, 1951. Class 51.

553,186. Textile, Woven, Woolen Rugs and Carpets. Mohawk Carpet Mills, Inc., Amsterdam, N. Y.
Filed Nov. 29, 1950, Serial No. 607,090. Published Oct. 16, 1951. Class 42.

553,187. Penicillin and Dihydrostreptomycin Product for Aqueous Injection and for Use in Tablet and Ointment Form. Schenley Laboratories, Inc., New York, N. Y.
Filed Dec. 1, 1950, Serial No. 607,198. Published Sept. 18, 1951. Class 18.

553,188. Permanent Magnets and Magnetic Alloys and Compositions. Carboloy Company, Inc., Detroit, Mich., now by merger General Electric Company, a corporation of New York.
Filed Dec. 2, 1950, Serial No. 607,215. Published Oct. 9, 1951. Class 21.

553,189. Periodical Publications Published and Distributed From Time To Time. Signal Oil Company, Los Angeles, Calif.
Filed Dec. 6, 1950, Serial No. 607,356. Published Oct. 2, 1951. Class 38.

553,190. Cotton Piece Goods. United Merchants and Manufacturers, Inc., New York, N. Y.
Filed Dec. 6, 1950, Serial No. 607,361. Published Oct. 16, 1951. Class 42.

553,191. Preparation Applied to the Skin and the Scalp for Treating Infections and Irritations and Used as an Emollient and Scalp Tonic. The Benet Drug Corporation, Cincinnati, Ohio.
Filed Dec. 7, 1950, Serial No. 607,372. Published Sept. 11, 1951. Class 18.

553,192. Silk Piece Goods. Chantilly Textile Corporation, New York, N. Y.
Filed Dec. 12, 1950, Serial No. 607,577. Published Oct. 16, 1951. Class 42.

553,193. Electric Generators and Motors, Electric Batteries and Accumulators, Electric Transformers, Electric Switches and Circuit Breakers, Insulated Electric Cables, Electrical Insulators, Electrical Insulating Bodies, Electric Condensers, Etc. Comagnie Generale d'Electricite, Paris, France.
Filed Dec. 12, 1950, Serial No. 607,580. Published Oct. 9, 1951. Class 21.

553,194. Hair Dressing Preparation. Silson Products, Inc., Cambridge, Mass.
Filed Dec. 14, 1950, Serial No. 607,689. Published Sept. 25, 1951. Class 51.

553,195. House Organ Containing News and Information of Interest to the Medical Profession. Sandoz Chemical Works, Inc., New York, N. Y.
Filed Dec. 15, 1950, Serial No. 607,722. Published Oct. 2, 1951. Class 38.

553,196. Lipstick, Rouge, Face Powder, and Mascara. Consolidated Cosmetics, Chicago, Ill.
Filed Dec. 18, 1950, Serial No. 607,798. Published Sept. 25, 1951. Class 51.

553,197. Periodical Published From Time to Time—Namely, an Annual Catalog. Hibbard, Spencer, Bartlett and Company, Evanston, Ill.
Filed Dec. 18, 1950, Serial No. 607,815. Published Oct. 16, 1951. Class 38.

553,198. Toothbrushes. Clarence W. Carey, Palo Alto, Calif.
Filed Dec. 21, 1950, Serial No. 607,929. Published July 31, 1951. Class 29.

553,199. Butter and Margarine Measure for Measuring Quarter Pound Prints Thereof. Paul V. Shell, doing business as The Paul V. Shell Co., Kansas City, Mo.
Filed Dec. 21, 1950, Serial No. 607,968. Published Oct. 9, 1951. Class 26.

553,200. Roof Cement and Calking Cements. Hockaday, Inc., Chicago, Ill.
Filed Dec. 22, 1950, Serial No. 608,002. Published Sept. 11, 1951. Class 12.

553,201. Money Belt. Florine Cates, Denver, Colo.
Filed Dec. 23, 1950, Serial No. 608,032. Published Oct. 23, 1951. Class 3.

553,202. Stepladders. Chesebro-Whitman Company, Long Island City, N. Y.
Filed Jan. 2, 1951, Serial No. 608,267. Published Sept. 25, 1951. Class 50.

553,203. Frozen Confections On-a-Stick and a Chocolate Flavoring Powder for Use in Making the Same. Joe Lowe Corporation, New York, N. Y.
Filed Jan. 2, 1951, Serial No. 608,278. Published Oct. 23, 1951. Class 46.

553,204. Plastic Cover Lenses for Goggles and Helmets. Willson Products, Inc., Reading, Pa.
Filed Jan. 3, 1951, Serial No. 608,331. Published Oct. 2, 1951. Class 26.

553,205. Ladies' Handbags. Jack Greenbaum, New York, N. Y.
Filed Jan. 6, 1951, Serial No. 608,455. Published Oct. 23, 1951. Class 3.

553,206. Flexible Sealing Strips of Rubber-Like Material Adapted To Be Cemented at the Junction of Intersecting Surfaces Such as Wall and Bathtub Surfaces. Keller Products, Inc., Cleveland, Ohio.
Filed Jan. 6, 1951, Serial No. 608,459. Published Sept. 11, 1951. Class 12.

553,207. Lock-Nuts and Bolts. The Delron Company, Inc., Los Angeles, Calif.
Filed Jan. 8, 1951, Serial No. 608,496. Published Oct. 23, 1951. Class 13.

553,208. Potato Salad and Coleslaw. Lady Ann Food Products, Chicago, Ill.
Filed Jan. 8, 1951, Serial No. 608,502. Published Oct. 23, 1951. Class 46.

553,209. Electrical Apparatus — Namely, Vacuum Cleaners. Plymouth Wholesale Dry Goods Corporation, New York, N. Y.
Filed Jan. 9, 1951, Serial No. 608,566. Published Oct. 9, 1951. Class 21.

553,210. Hydrated Lime. The Woodville Lime Products Company, Toledo, Ohio.
Filed Jan. 9, 1951, Serial No. 608,583. Published Aug. 7, 1951. Class 12.

553,211. Planographic Printing Machines and Parts Thereof. A. B. Dick Company, Niles, Ill.
Filed Jan. 11, 1951, Serial No. 608,652. Published Oct. 9, 1951. Class 23.

553,212. Automatic Tag Marking and Affixing Machines. The Monarch Marking System Company, Dayton, Ohio.
Filed Jan. 11, 1951, Serial No. 608,661. Published Oct. 2, 1951. Class 23.

553,213. Soundproof Doors. Hardwood Products Corporation, Neenah, Wis.
Filed Jan. 12, 1951, Serial No. 608,704. Published Aug. 28, 1951. Class 12.

553,214. Matches. Björneborgs Tändsticksfabriks Aktiebolag, Pori, Finland.
Filed Jan. 13, 1951, Serial No. 608,740. Published Oct. 9, 1951. Class 9.

553,215. Monthly Publication. J. A. Folger & Company, Kansas City, Mo.
Filed Jan. 15, 1951, Serial No. 608,793. Published Oct. 16, 1951. Class 38.

553,216. Milk Coolers, Freezers, Low-Temperature Storage Cabinets, Walk-In Refrigerators, Walk-In Coolers, and Beverage Coolers. Wilson Refrigeration, Inc., Smyrna, Del.
Filed Jan. 15, 1951, Serial No. 608,804. Published Aug. 28, 1951. Class 31.

553,217. Corrosion Resistant Cement. The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa.
Filed Jan. 22, 1951, Serial No. 609,068. Published Aug. 28, 1951. Class 12.

553,218. Wallets or Billfolds. Crosden Leather Products, Inc., New York, N. Y.
Filed Jan. 22, 1951, Serial No. 609,078. Published Oct. 23, 1951. Class 3.

553,219. Trading Stamps, Discount Stamps, Printed Tokens, and Coupons. Eagle Stamp Company, St. Louis, Mo.
Filed Jan. 22, 1951, Serial No. 609,080. Published Oct. 16, 1951. Class 38.

553,220. Trading Stamps, Discount Stamps, Printed Tokens, and Coupons. Eagle Stamp Company, St. Louis, Mo.
Filed Jan. 22, 1951, Serial No. 609,081. Published Oct. 16, 1951. Class 38.

553,221. Frozen Berries, Canned Vegetables, Canned Berries, and Canned Tomato Juice. Growers & Packers Cooperative Canning Co., Inc., North Collins, N. Y.
Filed Jan. 26, 1951, Serial No. 609,297. Published Oct. 2, 1951. Class 46.

553,222. Photographic Lenses. Burleigh Brooks Co., New York, N. Y.
Filed Feb. 3, 1951, Serial No. 609,586. Published Oct. 2, 1951. Class 26.

553,223. Fresh Citrus Fruits. Graves Brothers Co., Wabasso, Fla.
Filed Feb. 5, 1951, Serial No. 609,646. Published Oct. 23, 1951. Class 46.

553,224. Lawn Mowers. The E. T. Rugg Company, Newark, Ohio.
Filed Feb. 8, 1951, Serial No. 609,816. Published Sept. 25, 1951. Class 23.

553,225. Water Faucet Hose Connections. Knickerbocker Rubber Company, Chicago, Ill.
Filed Feb. 16, 1951, Serial No. 610,179. Published Oct. 23, 1951. Class 13.

553,226. Steel Rolling Fire Doors. The Cookson Company, San Francisco, Calif.
Filed Feb. 19, 1951, Serial No. 610,257. Published Aug. 28, 1951. Class 12.

553,227. Chocolate Flavored Milk Drink and Concentrates for Making the Same. Nehi Corporation, Columbus, Ga.
Filed Feb. 19, 1951, Serial No. 610,294. Published Oct. 23, 1951. Class 46.

553,228. Electric Lamp Shades. The Associated Merchandising Corporation, New York, N. Y.
Filed Feb. 27, 1951, Serial No. 610,537. Published Oct. 9, 1951. Class 21.

553,229. Molded Desiccant Material Forming a Filler of a Drier Filter Used in a Refrigerating System. Remco, Incorporated, Zelienople, Pa.
Filed Mar. 2, 1951, Serial No. 610,761. Published Sept. 18, 1951. Class 31.

553,230. Electric Lighting Fixtures. Moe Light, Inc., Fort Atkinson, Wis.
Filed Mar. 5, 1951, Serial No. 610,860. Published Oct. 9, 1951. Class 21.

553,231. Electric Refrigerators. Glenwood Range Company, Taunton, Mass.
Filed Mar. 7, 1951, Serial No. 610,963. Published Sept. 18, 1951. Class 31.

553,232. Electric Motors, Switch Box Covers, and Electric Welders and Component Parts Thereof. Rockwell Manufacturing Company, Pittsburgh, Pa.
Filed Mar. 19, 1951, Serial No. 611,539. Published Oct. 16, 1951. Class 21.

553,233. Hinges. Brownie Hinge & Specialties, Chicago, Ill.
Filed Mar. 22, 1951, Serial No. 611,638. Published Oct. 23, 1951. Class 13.

553,234. Electrical Condensers. Cornell-Dubilier Electric Corporation, South Plainfield, N. J.
Filed Mar. 23, 1951, Serial No. 611,686. Published Oct. 9, 1951. Class 21.

553,235. Door Locksets Including Necessary Handles and Escutcheons. Aug. Stenman Aktiebolag, Eskilstuna, Sweden.
Filed Mar. 26, 1951, Serial No. 611,751. Published Oct. 16, 1951. Class 25.

553,236. Fabrics in the Piece, of Cotton, Rayon, and Silk, and Combinations Thereof. Shulman Abrash, Inc., Paterson, N. J.
Filed Apr. 28, 1951, Serial No. 613,284. Published Oct. 16, 1951. Class 42.

553,237. Fabrics of Cotton, of Rayon, and of Mixtures of Cotton and of Rayon. Joseph Bancroft & Sons Co., Wilmington, Del.
Filed May 2, 1951, Serial No. 613,395. Published Oct. 16, 1951. Class 42.

Service Marks

553,238. Repair and Adjustment Service on Anatomical Supports. S. H. Camp & Company, Jackson, Mich.
Filed July 5, 1947, Serial No. 527,550. Published Oct. 16, 1951. Class 103.

553,239. Instructing Mechanics and Repair Men in Methods of Overhauling and Repairing Internal Combustion Engines, Etc. Perfect Circle Corporation, Hagerstown, Ind.
Filed Oct. 14, 1947, Serial No. 537,820. Published Oct. 16, 1951. Class 107.

553,240. Reproducing Photographs Upon Various Articles of Manufacture. National Photo Service & Supply Co., Inc., Appomattox, Va.
Filed Oct. 28, 1947, Serial No 539,338. Published Oct. 2, 1951. Class 106.

553,241. Insurance Brokerage Namely, Casualty, Accident, and Health Insurance. Pilgrim Associates, Inc., New York, N. Y.
Filed Feb. 4, 1948, Serial No. 548,757. Published Oct. 16, 1951. Class 102.

553,242. Transportation of Passengers, Baggage, Express, Mail, and Newspaper Publications by Motor Bus. Continental Bus System, Inc., Dallas, Tex.
Filed Feb. 5, 1948, Serial No. 548,799. Published Oct. 16, 1951. Class 105.

553,243. Investment Counseling—Namely, Organizing the Results of Such Studies, Rendering Reports Thereof to Clients, and Advising Them With Respect to Their Investments. Myron E. Etienne, Beverly Hills, Calif.
Filed Apr. 19, 1948, Serial No. 554,965. Published Oct. 16, 1951. Class 100.

553,244. Radio Program Broadcasting Services. Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa.
Filed June 22, 1948, Serial No. 559,971. Published Sept. 25, 1951. Class 104.

553,245. Underwriting of Life Insurance, Retirement Income, and Accident Health Insurance. Pacific Mutual Life Insurance Company, Los Angeles, Calif.
Filed Aug. 30, 1948, Serial No. 564,397. Published Oct. 16, 1951. Class 102.

553,246. Arranging, Planning, and Constructing Commercial Displays, Decorations, and Exhibits. Strauss Decorating and Exposition Company, Inc., New York, N. Y.
Filed Mar. 24, 1949, Serial No. 576,023. Published Oct. 16, 1951. Class 103.

553,247. Transportation of Passengers and Freight by Surface Ships. Compagnie Generale Transatlantique, Paris, France, and New York, N. Y.
Filed Dec. 15, 1949, Serial No. 589,379. Published Oct. 16, 1951. Class 105.

553,248. Advertising the Goods and Services of Sponsors Through the Medium of a Television Program. Bertram H. Claster, Baltimore, Md.
Filed Mar. 6, 1950, Serial No. 593,470. Published Oct. 23, 1951. Class 101.

553,249. Entertainment Services in the Nature of a Jazz Band. Ward W. Kimball, San Gabriel, Calif.
Filed Apr. 18, 1950, Serial No. 595,896. Published Oct. 23, 1951. Class 107.

553,250. Advertising Goods and Services of Others Through the Medium of a Television Program. Henri, Hurst & McDonald, Inc., Chicago, Ill.
Filed Apr. 27, 1950, Serial No. 596,423. Published Oct. 2, 1951. Class 101.

553,251. Entertainment Service Through the Medium of a Television Program Consisting of a Charades Contest. Southern Radio and Television Equipment Company, doing business as Television Station WTVJ, Miami, Fla.
Filed Aug. 17, 1950, Serial No. 602,344. Published Oct. 23, 1951. Class 107.

553,252. Transportation of Property by Motor Vehicle. Modern Transfer Company, Inc., Allentown, Pa.
Filed Nov. 17, 1950, Serial No. 606,561. Published Oct. 16, 1951. Class 105.

553,253. Cleaning of Furs and Fur Garments. Kleinzway, Inc., Chicago, Ill.
Filed Dec. 16, 1950, Serial No. 609,765. Published Sept. 11, 1951. Class 103.

Collective Mark

553,254. Fir Doors. Fir Door Institute, Tacoma, Wash.
Filed Sept. 20, 1950, Serial No. 603,780. Published Aug. 28, 1951. Class 12.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

553,255. (Class 22. Games, Toys, and Sporting Goods.) Ed. Lane & Co., Inc., Wyoming, N. Y., assignee of Lane & Co. Original filed, act of 1905, Nov. 4, 1946; amended to application, under act of 1946, Principal Register, Nov. 9, 1948; amended to Supplemental Register, Sept. 14, 1951, Serial No. 512,005.

LANE'S
Atomic
Wobbler

The word "Wobbler" is disclaimed.
For Fishing Tackle—Namely, Artificial Lures.
Claims use since Nov. 1, 1945.

553,256. (Class 39. Clothing.) The Louis Marcus Corporation, Baltimore, Md. Original filed, act of 1905, Apr. 22, 1947; amended to application under act of 1946, Supplemental Register, Sept. 10, 1951, Serial No. 521,142.

DUOLINER

MASTER of WEATHER

For Ladies' Suits and Coats.
Claims use since Apr. 1, 1947.

553,257. (Class 38. Prints and Publications.) Pacific Universal Products Corporation, Pasadena, Calif., assignee of Lane-Wells Company. Original filed, act of 1905, May 12, 1947; amended to application under act of 1946, Supplemental Register, Oct. 12, 1951, Serial No. 522,257.

TOPICS-OPTICS

For Periodical Publication Devoted to Optical and Ophthalmic Matters.
Claims use since Dec. 15, 1946.

553,258. (Class 39. Clothing.) Truhu Fabrics Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 13, 1948; amended to application, Supplemental Register, Oct. 17, 1950, Serial No. 548,546.

"If it's TRUHU it's Washable"

Applicant claims ownership of Registration No. 345,934.
For Men's Dress and Negligee Shirts; Women's and Misses' Waists, Petticoats, Slips, Underwear of Knitted and Textile Fabrics, Mufflers, Pajamas, and Dresses.
Claims use since Mar. 30, 1920.

553,259. (Class 39. Clothing.) Lovely Girl Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 12, 1948; amended to application, Supplemental Register, Aug. 13, 1951, Serial No. 551,804.



For Ladies' and Girls' Coats.
Claims use since June 1947.

553,260. (Class 39. Clothing.) Corman Leather Company, Inc., Chelsea, Mass. Original filed, act of 1946, Principal Register, July 1, 1948; amended to application, Supplemental Register, Oct. 19, 1951, Serial No. 560,549.

BEATS-M-ALL

For Boot and Shoe Heels.
Claims use since Jan. 3, 1948.

553,261. (Class 44. Dental, Medical, and Surgical Appliances.) Mercer Glass Works, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 24, 1948; amended to application, Supplemental Register, Oct. 6, 1951, Serial No. 565,792.

SURGEON'S BRAND

For Tissue Forceps (Intestinal), Towel Forceps, Tenaculum Forceps, Vulsellum Forceps, Hemostatic Forceps, Mosquito Forceps, Splinter Forceps, Ear Forceps, Dissecting Forceps, Specimen Forceps, Stuffing Forceps, Thumb Dressing Forceps, Sponge Holding Forceps, Uterine Dressing Forceps, Needle Holders, Suture Clips, Blood Lancets, Hypodermic Needles, Clinical Thermometers, Sputum Cup Holders, Intestinal Clamps, Surgical Scissors, Dissecting Scissors, Stitch Scissors, Bandage Scissors, Stopcocks, Scalpels, Elastic and Non-Elastic Bandages, Adhesive and Non-Adhesive Bandages.
Claims use since Oct. 23, 1947.

553,262. (Class 39. Clothing.) Carl Goldberg, Inc., New York, N. Y. Filed Nov. 20, 1948, Serial No. 569,152.

Carl
of New York
ORIGINAL

For Ladies' Coats and Suits.
Claims use since 1941.

553,263. (Class 38. Prints and Publications.) Sutton Publishing Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 12, 1949; amended to Supplemental Register, Oct. 26, 1951, Serial No. 572,806.

CONTRACTORS'
ELECTRICAL EQUIPMENT

Applicant claims ownership of Registrations Nos. 398,455, 422,850, and others.
For Periodicals Published From Time To Time.
Claims use since Dec. 9, 1948.

553,264. (Class 32. Furniture and Upholstery.) Western Metalcraft, Inc., Olympia, Wash. Original filed, act of 1946, Principal Register, Mar. 4, 1949; amended to application, Supplemental Register, Apr. 17, 1951, Serial No. 574,937.

Olympia

For Metal Kitchen Cabinets and Parts Thereof—Namely, Cabinet Fronts, Doors, Drawers, and Shelves; Metal Clothes Lockers, Metal General Utility Cabinets, Metal Shelves, Metal Wardrobe Cabinets for Schools, Hospitals, and Residences.
Claims use since May 25, 1948.

553,265. (Class 4. Abrasives and Polishing Materials.) Tone Manufacturing Company, Grand Rapids, Mich., assignee of The Tone Mfg. Co. Original filed, act of 1946, Principal Register, Mar. 7, 1949; amended to application, Supplemental Register, Mar. 6, 1951, Serial No. 575,023.

TONE

For Combination Polishing and Cleaning Preparations for Use on Wood and Metal Surfaces.
Claims use since Jan. 7, 1949.

553,266. (Class 39. Clothing.) Gallenkamp Stores Co., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Apr. 30, 1949; amended to application, Supplemental Register, Aug. 7, 1950, Serial No. 578,013.

Gallen Kamp's
Cushion-Trad

Applicant claims ownership of Registrations Nos. 290,495 and 505,515.
For Shoes Made of Leather or Partly of Leather for Men, Women and Children.
Claims use since Aug. 18, 1948.

553,267. (Class 39. Clothing.) Little Mistress Togs, New York, N. Y. Original filed, act of 1946, Principal Register, May 11, 1949; amended to application, Supplemental Register, Oct. 24, 1951, Serial No. 578,604.

SLIP-B-LOW

For Combination Blouse and Slip for Women and Girls.
Claims use since Apr. 1, 1949.

553,268. (Class 39. Clothing). Clayton, Inc., Baltimore, Md. Original filed, act of 1946, Principal Register, July 23, 1949; amended to application, Supplemental Register, May 18, 1951, Serial No. 582,416.

Clayton

For Ladies' and Girls' Hosiery.
Claims use since May 1, 1949.

553,269. (Class 8. Smokers' Articles Not Including Tobacco Products.) Wyrwik, Inc., Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Aug. 2, 1949; amended to application, Supplemental Register, Mar. 8, 1951, Serial No. 582,873.

WYRWIK

For Lighter Wicks.
Claims use since June 29, 1949.

553,270. (Class 32. Furniture and Upholstery.) Star Bedding Company of Pittsburgh, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, Oct. 6, 1949; amended to application, Supplemental Register, Oct. 12, 1951, Serial No. 585,868.

LOCKTUFT

For Mattresses.
Claims use since May 1, 1943.

553,271. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) North American Lace Co., Inc., Philadelphia, Pa. Filed Dec. 12, 1949, Serial No. 589,223.

Fashionet

Designed for
TODAY'S LIVING

Applicant claims ownership of Registration No. 508,330.
For Lace Curtains, Lace Table Cloths, Lace Bed Spreads, and Lace Piece Goods.
Claims use since Nov. 1, 1948.

553,272. (Class 34. Heating, Lighting, and Ventilating Apparatus.) Robert B. Sonntag, Dallas, Tex. Original filed, act of 1946, Principal Register, Dec. 19, 1949; amended to application, Supplemental Register, July 11, 1951, Serial No. 589,598.

KitchenKanopy

For Hood Adapted To Be Mounted Above a Cooking Stove for Collecting and Carrying Off Cooking Odors.
Claims use since June 1, 1948.

553,273. (Class 38. Prints and Publications.) The Eastern Color Printing Company, doing business under the name Famous Funnies Publications, Waterbury, Conn. Original filed, act of 1946, Principal Register, Jan. 3, 1950; amended to application, Supplemental Register, July 24, 1951, Serial No. 590,263.

Personal LOVE

For Comic Magazines, Consisting of Cartoons, Comic and Cartoon Strips, Stories in Text and Pictorial Form, Lessons, Advice to the Lovelorn, and Advertisements, Published in a Series.
Claims use since Nov. 29, 1949.

553,274. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Aristocrat Leather Products, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 17, 1950; amended to application, Supplemental Register, Feb. 14, 1951, Serial No. 592,595.

WALLET-ALBUM

For Wallets and Billfolds.
Claims use since Feb. 13, 1950.

553,275. (Class 24. Laundry Appliances and Machines.) The American Laundry Machinery Company, Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Feb. 25, 1949; amended to application, Supplemental Register, Feb. 23, 1951, Serial No. 593,047.

TRUFORM

For Laundry Machinery—Namely, Garment Finishing Apparatus.
Claims use since Dec. 27, 1949.

553,276. (Class 32. Furniture and Upholstery.) Superior Sleeprite Corporation, Chicago, Ill. Original filed, act of 1946, Principal Register, Mar. 1, 1950; amended to application, Supplemental Register, Apr. 23, 1951, Serial No. 593,248.

TV CHAIR-BED

For Combined Bed and Chair.
Claims use since Dec. 23, 1949.

553,277. (Class 20. Linoleum and Oiled Cloth.) Pabco Products Inc., San Francisco, Calif., by change of name from The Paraffine Companies, Inc. Original filed, act of 1946, Principal Register, June 5, 1950; amended to application, Supplemental Register, Mar. 21, 1951, Serial No. 598,597.

California Original

For Linoleum Floor Coverings Sold in Sheet or Roll Form of the Fabric Base Type.
Claims use since Apr. 1, 1948.

553,278. (Class 38. Prints and Publications.) The Society of Christian Approach to the Jews, Inc., Kansas City, Mo. Original filed, act of 1946, Principal Register, June 10, 1950; amended to application, Supplemental Register, July 30, 1951, Serial No. 598,933.

The PALESTINE PILGRIM News

The drawing is lined for brown.
For Periodical Publications.
Claims use since May 1934.

553,279. (Class 38. Prints and Publications.) McGraw-Hill Publishing Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 14, 1950; amended to application, Supplemental Register, Oct. 23, 1951, Serial No. 599,108.

ORIGINAL EQUIPMENT MARKETS

For Periodical Published Monthly.
Claims use since May 4, 1950.

553,280. (Class 21. Electrical Apparatus, Machines, and Supplies.) S. C. Johnson & Son, Inc., Racine, Wis. Original filed, act of 1946, Principal Register, June 16, 1950; amended to application, Supplemental Register, June 28, 1951, Serial No. 599,246.

SUPER 16

For Electric Floor Scrubbing and Wax Polishing Machine.
Claims use since June 30, 1949.

553,281. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Royston Mills, Inc., Royston, Ga. Original filed, act of 1946, Principal Register, June 23, 1950; amended to application, Supplemental Register, July 30, 1951, Serial No. 599,657.

ROYSTON TPROOF TOBACCO CLOTH

For Tobacco Cloth.
Claims use since May 26, 1950.

553,282. (Class 39. Clothing.) Hanes Hosiery Mills Company, Winston-Salem, N. C., and New York, N. Y. Original filed, act of 1946, Principal Register, July 6, 1950; amended to application, Supplemental Register, May 29, 1951, Serial No. 600,265.

Beauty Clox

For Ladies' Hosiery.
Claims use since May 18, 1950.

553,283. (Class 46. Foods and Ingredients of Foods.) Terra Bella Olive Association, Terra Bella, Calif. Original filed, act of 1946, Principal Register, July 18, 1950; amended to application, Supplemental Register, Oct. 22, 1951, Serial No. 600,861.

TERRA BELLA

For Canned Olives.
Claims use since June 14, 1950.

553,284. (Class 22. Games, Toys, and Sporting Goods.) The Hecht Company, Washington, D. C. Original filed, act of 1946, Principal Register, July 21, 1950; amended to application, Supplemental Register, Sept. 7, 1951, Serial No. 601,039.

SHELDON

For Golf Balls.
Claims use since Mar. 31, 1949.

553,285. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Sidney Blumenthal & Co., Inc., New York, N. Y. Filed June 20, 1950, Serial No. 602,240.

MATCHED Kleersheer COLORS

The words "Matched" and "Colors" are disclaimed.
For Pile Fabrics in the Piece Composed of Combinations of Mohair, Wool, Cotton, and Rayon.
Claims use since July 5, 1948.

553,286. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Ashland Products Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 31, 1950; amended to application, Supplemental Register, Aug. 30, 1951, Serial No. 602,996.

Curtain-Sub

For Window Curtains.
Claims use since May 1949.

553,287. (Class 38. Prints and Publications.) Ziff-Davis Publishing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 25, 1950; amended to application, Supplemental Register, Oct. 19, 1951, Serial No. 603,972.

Romantic MARRIAGE

For Magazine.
Claims use since Sept. 1, 1950.

553,288. (Class 38. Prints and Publications.) Alfred M. Best Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 19, 1950; amended to application, Supplemental Register, Oct. 15, 1951, Serial No. 605,138.

SAFETY MAINTENANCE & PRODUCTION

Applicant claims ownership of Registration No. 372,711.
For Magazine.
Claims use since Oct. 3, 1950.

553,289. (Class 38. Prints and Publications.) Hat Corporation of America, Norwalk, Conn. Original filed, act of 1946, Principal Register, Oct. 25, 1950; amended to application, Supplemental Register, Oct. 30, 1951, Serial No. 605,419.

THE HATTER

For Periodical Issued From Time To Time.
Claims use since Oct. 1, 1950.

553,290. (Class 38. Prints and Publications.) Irving S. Schere, doing business under the name and style of Food Sales Publishing Company, New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 7, 1950; amended to application, Supplemental Register, Oct. 10, 1951, Serial No. 606,053.

The FOOD Buyer

For Publication Printed Periodically.
Claims use since Aug. 23, 1950.

553,291. (Class 46. Foods and Ingredients of Foods.) Farrar's Date Gardens, Indio, Calif. Original filed, act of 1946, Principal Register, Nov. 13, 1950; amended to application, Supplemental Register, Oct. 29, 1951, Serial No. 606,286.

Farrar's "PRIDE of the DESERT"

For Fresh Dates.
Claims use since Oct. 12, 1950.

553,292. (Class 39. Clothing.) Perfection Frocks, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 14, 1950; amended to application, Supplemental Register, Oct. 3, 1951, Serial No. 606,392.



For Children's and Ladies' Dresses, Skirts, and Aprons.
Claims use since Aug. 15, 1950.

553,293. (Class 32. Furniture and Upholstery.) Coppes, Inc., Nappanee, Ind. Original filed, act of 1946, Principal Register, Nov. 28, 1950; amended to application, Supplemental Register, Sept. 18, 1951, Serial No. 607,006.

COPPES NAPANEE

Applicant claims ownership of Registration No. 104,014.
For Custom-Built Kitchen Equipment—Namely, Base Cabinets, Wall Cupboards, Tables, Sink Cabinets, Sink and Counter Tops, Cabinet Fronts for Sink Installations, Linen Bases, Tray Compartment Bases, Desks, Breakfast Bars, Broom Closets, Dish Closets, Wood Valances, Open Shelves, and Mixer Shelves.
Claims use since Oct. 4, 1948.

553,294. (Class 22. Games, Toys, and Sporting Goods.) Mercon Inc. Portland, Oreg. Original filed, act of 1946, Principal Register, Jan. 18, 1951; amended to application, Supplemental Register, Nov. 9, 1951, Serial No. 608,938.

MERCON

For Casings for Punch Boards.
Claims use since Mar. 6, 1950.

553,295. (Class 39. Clothing.) A. Davis & Sons, Inc., New York, N. Y. Filed Feb. 14, 1951, Serial No. 610,046.

KENISTON SPORTMASTER

Applicant claims ownership of Registrations Nos. 351,240 and 513,537.
For Ladies' and Misses' Coats and Suits.
Claims use since Mar. 15, 1948.

553,296. (Class 39. Clothing.) Nathan J. Lissak, New Bedford, Mass. Original filed, act of 1946, Principal Register, Feb. 20, 1951; amended to application, Supplemental Register, Oct. 12, 1951, Serial No. 610,325.

Lissak

For Women's Shoes of Leather, Fabric or Combinations Thereof.
Claims use since June 1, 1949.

553,297. (Class 38. Prints and Publications.) Haire Publishing Company, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 27, 1951; amended to application, Supplemental Register, Oct. 26, 1951, Serial No. 611,841.

COSMETICS & TOILETRIES

Applicant claims ownership of Registration No. 432,731.
For Periodical.
Claims use since Aug. 8, 1948.

553,298. (Class 39. Clothing.) Philip Shlansky & Sons, Inc., New York, N. Y. Filed Apr. 28, 1951, Serial No. 613,309.

ADJUSTA CUFF BY DONNYBROOK

Applicant claims ownership of Registrations Nos. 333,759, 333,972, 362,098, 406,768, 412,920, 425,770, and 400,187.
For Ladies' and Misses' Coats and Jackets.
Claims use since Apr. 11, 1949.

553,299. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Pennsylvania Pump and Compressor Company, Easton, Pa. Filed May 14, 1951, Serial No. 613,854.

THRUSTFRE

For Centrifugal Pumps for Water and Other Liquids.
Claims use since Sept. 1, 1938.

553,300. (Class 6. Chemicals and Chemical Compositions.) Super-Charger Laboratories, Jacksonville, Fla. Filed June 19, 1951, Serial No. 615,418.



For Chemical Compound To Extend the Life Expectancy and Increase the Efficiency of Lead-Acid Storage Batteries.
Claims use since Mar. 17, 1947.

Certification Mark

553,301. (Class 6. Chemicals and Chemical Compositions.) Irwin P. Heus, New Holstein, Wis. Original filed, act of 1946, Principal Register, July 15, 1949; amended to application, Supplemental Register, Oct. 23, 1951, Serial No. 582,045.

Metergas

For Propane Gas.
Claims use since Feb. 1, 1949.

TRADE-MARK REGISTRATIONS RENEWED

83,116. LINGERWETT. Registered Aug. 15, 1911. Wilson Remover Co., Newark, N. J., and New York, N. Y. Re-renewed Aug. 15, 1951, to Wilson-Imperial Company, Newark, N. J., a corporation of Delaware. Paint and Varnish Solvents and Removers, Including Both Wax-Containing and Wax-Free Compounds in a Liquid Condition, or Mixtures of Such Compounds. Class 16.

84,344. SELAS. Registered Nov. 28, 1911. "Selas" Gesellschaft mit beschränkter Haftung, Berlin, Germany. Re-renewed Nov. 28, 1951, to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania. Gas-Mixing Apparatus, Carburetors, Pressure-Regulators for Air and Gaseous and Vaporous Fuel, Etc. Class 23.

84,509. NITROLENE. Registered Dec. 19, 1911. The National Utilization Co. Re-renewed Dec. 19, 1951, to F. S. Royster Guano Company, Norfolk, Va., a corporation of Virginia. Tankage. Class 10.

84,518. PEERLESS. Registered Dec. 19, 1911. Peerless Oyster Co. Re-renewed Dec. 19, 1951, to The Potomac Poultry Food Co., Inc., Baltimore, Md., a corporation of Maryland. Poultry Food. Class 46.

84,730. REVELATION. Registered Jan. 2, 1912. August E. Drucker. Re-renewed Jan. 2, 1952, to Plough Sales Corporation of California, San Francisco, Calif., a corporation of California. Tooth Powder. Class 51.

84,790. AMMOLENE. Registered Jan. 2, 1912. The National Utilization Co. Re-renewed Jan. 2, 1952, to F. S. Royster Guano Company, Norfolk, Va., a corporation of Virginia. Tankage. Class 10.

84,804. ARCHIVE. Registered Jan. 9, 1912. American Writing Paper Company. Re-renewed Jan. 9, 1952, to American Writing Paper Corporation, Holyoke, Mass., a corporation of Delaware. Writing-Paper. Class 37.

85,030. DERBY. Registered Jan. 23, 1912. American Writing Paper Company. Re-renewed Jan. 23, 1952, to American Writing Paper Corporation, Holyoke, Mass., a corporation of Delaware. Writing-Paper. Class 37.

85,269. MUELLER. Registered Feb. 6, 1912. H. Mueller Manufacturing Company. Re-renewed Feb. 6, 1952, to Mueller Co., Decatur, Ill., a corporation of Illinois. Combined Waste and Overflows and Parts of Same, Traps, Etc. Class 13.

85,434. REPRESENTATION OF TIRE WITH BAND LINED FOR BLUE. Registered Feb. 20, 1912. The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Re-renewed Feb. 20, 1952. Elastic Vehicle-Tires. Class 35.

85,446. PEACEMAKER. Registered Feb. 20, 1912. Johnson-Allen Coffee Co. Re-renewed Feb. 20, 1952, to Dining Car Coffee Company, St. Louis, Mo., a corporation of Missouri. Coffee. Class 46.

85,526. HOT BLAST. Registered Feb. 20, 1912. The Turner Brass Works, Sycamore and Chicago, Ill. Re-renewed Feb. 20, 1952, to The Turner Brass Works, Sycamore, Ill., a corporation of Illinois. Gasolene-Operated Torches Having a Tank Suitable for Containing Gasolene or Alcohol, Etc. Class 34.

85,544. "AWEBCO" ETC. AND DESIGN. Registered Feb. 27, 1912. Anchor Webbing Company, Woonsocket, R. I. Re-renewed Feb. 17, 1952, to Anchor Webbing Company, Pawtucket, R. I., a corporation of Rhode Island. Silk, Cotton, Worsted, and Linen Tapes, Galloons, Binding, Etc. Class 40.

85,667. BLUE RIBBON. Registered Mar. 5, 1912. The W. H. Marvin Company, Urbana, Ohio, a corporation of Ohio. Re-renewed Mar. 5, 1952. Mince-Meat. Class 46.

271,902. "CASH-O-RAN" AND DESIGN. Registered June 17, 1930. Madison Woolen Company, Madison, Maine. Renewed June 17, 1950, to The Cotwool Manufacturing Corporation, Wilmington, Del., a corporation of Delaware. Woolen Piece Goods and Woolen Piece Goods Especially Adapted To Be Used for Ladies' Coats. Class 42.

284,346. "F" WITHIN DESIGN. Registered June 23, 1931. Firestone Battery Company. Renewed June 23, 1951, to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Spark Plugs. Class 21.

285,733. FIRESTONE. Registered Aug. 4, 1931. Firestone Battery Company. Renewed Aug. 4, 1951, to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Spark Plugs. Class 21.

286,416. XXX TRIPLE X. Registered Aug. 25, 1931. Leffingwell Rancho Company, Whittier, Calif. Renewed Aug. 25, 1951, to Leffingwell Chemical Company, East Whittier, Calif., a corporation of California. Insecticides, Liquid Spreader Compounds, Etc. Class 52.

287,448. CHONGORA. Registered Sept. 29, 1931. Forstmann & Huffmann Company Renewed Sept. 29, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

287,449. DESTINA. Registered Sept. 29, 1931. Forstmann & Huffmann Company. Renewed Sept. 29, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

287,450. FALDA. Registered Sept. 29, 1931. Forstmann & Huffmann Company. Renewed Sept. 29, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

287,451. JORNA. Registered Sept. 29, 1931. Forstmann & Huffmann Company. Renewed Sept. 29, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

287,452. KASHMIRAC. Registered Sept. 29, 1931. Forstmann & Huffmann Company. Renewed Sept. 29, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

287,743. REPRESENTATION OF GREEK LETTERS BETA THETA PI. Registered Oct. 6, 1931. Beta Theta Pi, New York, N. Y. Renewed Oct. 6, 1951, to Beta Theta Pi, Oxford, Ohio, a corporation of Ohio. Fraternity Badges, Lapel Buttons, Scarf, Lapel, and Breast Pins, Etc. Class 28.

287,806. SCRAMBLE. Registered Oct. 13, 1931. The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio. Renewed Oct. 13, 1951. Artificial Bait. Class 22.

287,818. REPRESENTATION OF TWO CHEVRONS. Registered Oct. 13, 1931. Crane Co., Chicago, Ill., a corporation of Illinois. Renewed Oct. 13, 1951. Globe and Check Valves. Class 13.

287,945. SPUN WHITE. Registered Oct. 20, 1931. Fisher Flouring Mills Company, Seattle, Wash. Renewed Oct. 20, 1951, to Fisher Flouring Mills Company, Harbor Island, Seattle, Wash., a corporation of Washington. Wheat Flour. Class 46.

288,268. JORNELLA. Registered Oct. 20, 1931. Forstmann & Huffmann Company. Renewed Oct. 20, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

288,269. KASHMIROLGA. Registered Oct. 20, 1931. Forstmann & Huffmann Company. Renewed Oct. 20, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

288,488. UNIVERSAL. Registered Oct. 27, 1931. Worcester Salt Company, New York, N. Y. Renewed Oct. 27, 1951, to Morton Salt Company, Chicago, Ill., a corperation of Illinois. Salt. Class 46.

289,229. "GOLD BAND" AND RECTANGULAR DESIGN LINED FOR GOLD. Registered Nov. 24, 1931. Collin County Mill & Elevator Co., McKinney, Tex. Renewed Nov. 24, 1951, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware. Poultry and Stock Feed. Class 46.

289,357. "VR" WITHIN CIRCLE. Registered Nov. 24, 1931. Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut. Renewed Nov. 24, 1951. Die Castings. Class 14.

289,526. "KOPPERS FLOTATION SULPHUR" AND DESIGN. Registered Dec. 1, 1931. Koppers Products Company. Renewed Dec. 1, 1951, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. Sulphur. Class 6.

289,704. "LA BONISIMA" AND DRAWING. Registered Dec. 1, 1931. Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Renewed Dec. 1, 1951, to Fisher Flouring Mills Company, Harbor Island, Seattle, Wash., a corporation of Washington. Wheat Flour. Class 46.

289,901. TARPSAIL. Registered Dec. 15, 1931. The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio. Renewed Dec. 15, 1951. Fish Lines. Class 22.

290,165. "FIBREBOARD PRODUCTS INC." AND DRAWING. Registered Dec. 22, 1931. Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware. Renewed Dec. 22, 1951. Containers and Receptacles and Parts Thereof Made From Paper, Etc. Class 2.

290,282. BROOKINS. Registered Dec. 29, 1931. Brookins Manufacturing Company, Dayton, Ohio. Renewed Dec. 29, 1951, to Balcrank, Inc., Cincinnati, Ohio, a corporation of Ohio. Emergency Liquid Containers for Vehicles and Portable Drain Tanks. Class 2.

290,481. TEX-IT. Registered Jan. 5, 1932. The Muralo Company, Inc., New Brighton, N. Y. Renewed Jan. 5, 1952, to The Muralo Company, Inc., Haskell, N. J., a corporation of New York. Dry Powder To Be Mixed With Water and Used as a Plastic Paint for Producing Textured and Relief Decorations for Wall and Ceiling Surfaces. Class 16.

290,642. MOTT'S. Registered Jan. 12, 1932. Duffy-Mott Company, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 12, 1952. Apple Products—Namely, Vinegar and Apple Sauce. Class 46.

290,804. SKID ENAMEL. Registered Jan. 19, 1932. Ireland & Taub Paper Company, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 19, 1952. Coated Paper Suitable for Printing. Class 37.

290,835. "H M" ETC. AND DESIGN. Registered Jan. 19, 1932. Mueller Co., Decatur, Ill., a corporation of Illinois. Renewed Jan. 19, 1952. Non-Ferrous Pipe. Class 13.

290,840. "BRIGGS" ETC. AND DRAWING. Registered Jan. 19, 1932. Briggs Manufacturing Co., Detroit, Mich., a corporation of Michigan. Renewed Jan. 19, 1952. Vehicle Bodies. Class 19.

291,017. "CONE FABRICS" ETC. AND DESIGN WITH CONTRASTING COLOR. Registered Jan. 26, 1932. Cone Export and Commission Company. Renewed Jan. 26, 1952, to Cone Export and Commission Co., Inc., New York, N. Y., a corporation of New York. Cotton Goods in the Piece—Namely, Printed, Woven, and Piece-Dyed Cotton Fabrics. Class 42.

291,131. SYNODAL. Registered Jan. 26, 1932. H. A. Metz Laboratories, Inc. Renewed Jan. 26, 1952, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware. Preparation for Use in the Treatment of Peptic Ulcers. Class 18.

291,643. "YANKOVER" ETC. AND DESIGN LINED FOR GOLD AND RED. Registered Feb. 23, 1932. Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois. Renewed Feb. 23, 1952. Boys' Sleeveless Jackets. Class 39.

291,937. PEARLSTEARIC. Registered Feb. 23, 1932. Darling & Company, Chicago, Ill., a corporation of Illinois. Renewed Feb. 23, 1952. Stearic Acid. Class 6.

292,296. BG. Registered Mar. 8, 1932. Barbara Gould, Ltd. Renewed Mar. 8, 1952, to Barbara Gould, Inc., New York, N. Y., a corporation of New York. Face Powder, Etc. Class 51.

292,439. ORCHARD MAID. Registered Mar. 15, 1932. Orchard Products Company, Chicago, Ill., a corporation of Illinois. Renewed Mar. 15, 1952. Nonalcoholic, Maltless Syrups and Concentrates for Making or Flavoring Soft Drinks or Beverages. Class 45.

292,528. KING'S RANSOM. Registered Mar. 15, 1932. Glenforres Glenlivet Distillery Co. Limited, Burnside and Leith, Scotland, and London, England. Renewed Mar. 15, 1952, to William Whiteley & Co. Inc., Newark, N. J., a corporation of Delaware. Scotch Whiskey. Class 49.

292,567. SUPERTAB. Registered Mar. 15, 1932. The Ruberoid Co., Bound Brook, N. J., and New York, N. Y., a corporation of New Jersey. Renewed Mar. 15, 1952. Composition Shingles. Class 12.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

290,430. POZZOLITH. Registered Jan. 5, 1932. The Master Builders Company, Cleveland, Ohio. Material in the Nature of Portland Cement but Containing Ingredients Intended To Stabilize, Strengthen and Increase Resistance to Disintegration. Class 12. Corrected as follows: In the statement, lines 7, 8, 9, 10, 11, and 12, the description of goods should be deleted and *finely divided material, to be added to Portland cement, containing ingredients intended to stabilize, strengthen and increase resistance to disintegration* should be inserted in lieu thereof.

536,111. "PYRAMID" AND DESIGN. Registered Jan. 9, 1951. Gafco Co. Inc., New York, N. Y. Fur Pelts, Plates, and Trimmings. Class 39. Corrected as follows: In the certificate, lines 2 and 13; in the heading to the statement; in line 1 of the statement; and in the printed signature, "Co." should be deleted.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

47,061. "BLUE BONNET" AND DRAWING. Registered Oct. 24, 1905. Renewed Oct. 24, 1925. Re-renewed Oct. 24, 1945. The New Century Milling Company. Wheat Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

50,479. LIGHT CRUST. Registered Mar. 20, 1906. Renewed Mar. 20, 1926. Re-renewed Mar. 20, 1946. The Burrus Mill & Elevator Company. Wheat Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

52,194. MARECHAL NEIL. Registered May 1, 1906. Renewed May 1, 1926. Re-renewed May 1, 1946. Collin County Mill & Elevator Company. Wheat-Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

55,938. "LIGHT CRUST" ETC. Registered Aug. 21, 1906. Renewed Aug. 21, 1926. Re-renewed Aug. 21, 1946. The Burrus Mill & Elevator Company. Wheat Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

56,830. "COTTON WHITE" AND DESIGN. Registered Oct. 23, 1906. Renewed Oct. 23, 1926. Re-renewed Oct. 23, 1946. The New Century Milling Company. Wheat-Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

63,316. "HOLLY" AND DESIGN. Registered June 11, 1907. Renewed June 11, 1927. Re-renewed June 11, 1947. The New Century Milling Company. Wheat Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

182,035. "SWEET PEA" AND DRAWING. Registered Apr. 1, 1924. Renewed Apr. 1, 1944. Collin County Mill & Elevator Co. Wheat-Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

182,644. "WHITE BILLOWS" AND DESIGN. Registered Apr. 15, 1924. Renewed Apr. 15, 1944. Collin County Mill & Elevator Co. Wheat Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

189,901. "DRINK WATER" AND DRAWING. Registered Sept. 30, 1924. Renewed Sept. 30, 1944. Morten Milling Company. Wheat-Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

220,193. "T N T" AND DRAWING. Registered Nov. 2, 1926. Renewed Nov. 2, 1946. The Burrus Mill and Elevator Co. Wheat Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

221,548. "MORTEN MILLING CO. LA FRANCE" AND DESIGN. Registered Dec. 7, 1926. Renewed Dec. 7, 1946. Morten Milling Company. Wheat Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

241,804. "EL ORGULLO DE TEXAS" ETC. AND DESIGN. Registered May 8, 1928. Renewed May 8, 1948. Collin County Mill & Elevator Co. Wheat Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

241,805. "FLOR DE McKINNEY" ETC. AND DRAWING. Registered May 8, 1928. Renewed May 8, 1948. Collin County Mill & Elevator Co. Wheat Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

242,469. "DE GRAN FUERZA" ETC. AND DRAWING. Registered May 22, 1928. Renewed May 22, 1948. Collin County Mill & Elevator Co. Wheat Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

262,614. FARMER BOY. Registered Oct. 15, 1929. Renewed Oct. 15, 1949. Burrus Mill & Elevator Co. Stock Feeds, Poultry Feeds, Horse and Mule Feeds. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

301,368. ROSE OF TEXAS. Registered Feb. 28, 1933. Liberty Mills. Wheat-Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

303,147. BAKEBEST. Registered May 9, 1933. Liberty Mills. Wheat Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

303,823. LA FRANCE. Registered June 6, 1933. Morten Milling Company. Biscuit Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

333,939. LAS FLORES. Registered Apr. 14, 1936. Liberty Mills. Wheat-Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

337,413. "MARATHON" ETC. Registered Aug. 4, 1936. Lou L. Snyder, doing business as The Marathon Underwear Company. Sports Outerwear—Namely, Polo Shirts; and Men's Underwear—Namely, Woven or Knit Cloth Unionsuits, Etc. Class 39. New certificate under section 7(c) issued Jan. 8, 1952, to Ainsbrooke Co., Inc., New York, N. Y., a corporation of Illinois.

342,809. HEARTH-BRED. Registered Feb. 2, 1937. Collin County Mill & Elevator Co. Wheat Flour. Class 46. New certificate under section 7(c) issued Jan. 8, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 5

ADHESIVES

Reg. No. 306,505. Registered Sept. 19, 1933. G. C. Hilton, doing business as Leech Products Company, Hutchinson, Kans. Republished by registrant.



The words "Sticks Like a Fluid Cement" are disclaimed apart from the mark as shown.

For Liquid or Fluid Adhesive Cement or Glue for Mechanical and Household Uses.

Claims use since Jan. 1, 1931.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 287,145. Registered Sept. 15, 1931. The Forestal Land, Timber and Railways Company Limited, London, England. Republished by La Forestal Argentina Sociedad Anonima de Tierras, Maderas y Explotaciones Comerciales e Industriales, Buenos Aires, Argentina, a company organized under the laws of Argentina.



For Tanning Extracts.

Claims use since July 4, 1908.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 275,717. Registered Sept. 30, 1930. Steelcote Manufacturing Company, St. Louis, Mo. Republished by Steelcote Manufacturing Company (1946), St. Louis, Mo., a corporation of Missouri.



The words "Products," "Wear Like Steel" are disclaimed apart from the mark as shown.

For Caulk and Roofing Cement.

Claims use since June 1915.

CLASS 15

OILS AND GREASES

Reg. No. 384,774. Registered Feb. 4, 1941. Billups Petroleum Company, Jackson, Greenwood, Clarksdale, Miss., and elsewhere, a corporation of Mississippi. Republished by registrant.



For Fuel Oil, Illuminating Oil, Lubricating Oil, Gasoline, and Gear Grease.

Claims use since Sept. 18, 1935.

Reg. No. 389,883. Registered Aug. 26, 1941. Billups Petroleum Company, Greenwood, Jackson, Clarksdale, Miss., and elsewhere, a corporation of Mississippi. Republished by registrant.



For Fuel Oil, Illuminating Oil, Lubricating Oil, Gasoline, and Gear Grease.

Claims use since Jan. 1, 1939.

Reg. No. 391,180. Registered Oct. 28, 1941. Billips Petroleum Company, Greenwood, Jackson, Clarksdale, Miss., and elsewhere, a corporation of Mississippi. Republished by registrant.



The word "Penn" is disclaimed apart from the mark as shown.

For Fuel Oil, Illuminating Oil, Lubricating Oil, Gasoline, and Gear Grease.

Claims use since Jan. 1, 1939.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 329,623. Registered Nov. 5, 1935. Steelcote Manufacturing Company, St. Louis, Mo. Republished by Steelcote Manufacturing Company (1946), St. Louis, Mo., a corporation of Missouri.



The words "Products Wear Like Steel" are disclaimed apart from the mark as shown.

For Paints in Dry, Paste, and Ready-Mixed Forms (Not Including Structural Steel Paint); Varnishes; Paint Enamels; Lacquers; Stains; Paint Primers and Surfacers of All Kinds; Colors in Oil; Paint Driers; Paint and Varnish Removers; Putty; Wood Fillers; and Painters' Wall Size.

Claims use since 1915.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 41,324. Registered Oct. 20, 1903. Albert Levy, London, England. Republished by Ardath Tobacco Company, Limited, London, England, a corporation of Great Britain and Northern Ireland.

STATE EXPRESS

For Smoking Tobacco and Cigarettes.

Claims use since Mar. 10, 1896.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 372,962. Registered Nov. 21, 1939. Maggot Products Company, Chicago, Ill. Republished by Weco Products Company, Chicago, Ill., a corporation of Illinois.

PROLARMON

For Pharmaceutical Preparation Having Astringent, Vasoconstrictive, Antiseptic, and Anesthetic Properties.

Claims use since May 16, 1939.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 363,630. Registered Jan. 3, 1939. Weco Products Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Miracle-Tuft

The word "Tuft" is disclaimed apart from the mark as shown.

For Tooth Brushes.

Claims use since July 8, 1938.

CLASS 39

CLOTHING

Reg. No. 83,393. Registered Sept. 12, 1911. Chas. Chipman's Sons, Easton and Selinsgrove, Pa. Republished by Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York.

PALL MALL

For Hosiery.

Claims use since Feb. 13, 1911.

Reg. No. 148,960. Registered Nov. 29, 1921. Western Bottle Manufacturing Company, Chicago, Ill. Republished by Weco Products Company, Chicago, Ill., a corporation of Illinois.

Gainsborough

For Hair Nets.

Claims use since Mar. 15, 1920.

Reg. No. 298,695. Registered Nov. 1, 1932. Western Bottle Mfg. Co., doing business as The Western Company, Chicago, Ill. Republished by Weco Products Company, Chicago, Ill., a corporation of Illinois.

KEC

For Handkerchiefs.

Claims use since June 9, 1932.

Reg. No. 435,190. Registered Dec. 16, 1947. Blue Gem Dresses, New York, N. Y., a partnership. Republished by registrant.

a Blue Gem MODE

The words "Blue" and "Mode" are disclaimed apart from the mark as shown.

For Women's Dresses.

Claims use since May 8, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 289,525. Registered Dec. 1, 1931. Tootal Broadhurst Lee Co. Limited, Manchester, England, a limited liability company of Great Britain.

LOYO

For Cotton Piece Goods.

Claims use since Nov. 24, 1930.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 276,150. Registered Oct. 7, 1930. The Saegertown Mineral Water Company, Saegerstown, Pa. Republished by Saegertown Sparkling Beverages, Inc., Saegerstown, Pa., a corporation of Pennsylvania.



For Ginger Ale and Non-Alcoholic Maltless, Carbonated Drinks.

Claims use since Jan. 1, 1930.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 364,034. Registered Jan. 17, 1939. Candy Crafters, Inc., Lansdowne, Pa. Republished by Skyline, Inc., Lansdowne, Pa., a corporation of Pennsylvania.



For Candy Novelties for Decorating Cakes, Ice Cream, Cookies, and Desserts.

Claims use since August 1937.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 36,845. Registered July 30, 1901. Frederick B. Horton, South Manchester, Conn. Republished by Lambert Pharmacal Company, St. Louis, Mo., a corporation of Delaware.

LISTERATED

For Tooth Powder.

Claims use since on or about the month of May 1891.

Reg. No. 257,735. Registered June 18, 1929. Western Bottle Manufacturing Company, Chicago, Ill. Republished by Weco Products Company, Chicago, Ill., a corporation of Illinois.

Dr. West's WECO Product

The word "Product" is disclaimed apart from the mark as shown.

For Tooth Paste.

Claims use since Dec. 13, 1928.

PATENTS

GRANTED JANUARY 8, 1952

2,581,335

WATER-TOLERANT, HEAT-CONVERTIBLE, HEAT- AND STEAM-SETTING RESINS FOR USE IN INKS

Kenneth A. Earhart, Baltimore, Md., and Arthur L. Davis, Hastings on Hudson, N. Y., assignors, by mesne assignments, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia

No Drawing. Application May 26, 1949, Serial No. 95,584

9 Claims. (Cl. 260—26)

6. The method for the preparation of a water-tolerant, heat-convertible composition of matter which comprises heating glycerol alpha-monochlorohydrin and an alkali metal salt of a Diels-Alder addition product of rosin and at least one material selected from the group consisting of fumaric acid, maleic acid and maleic anhydride, at a temperature within the range of 120°–160° C., the said salt being prepared by neutralizing said addition product with at least one-half the equivalent amount of alkali metal base, based on the acid number of said addition product, the glycerol alpha-monochlorohydrin being used in an amount equivalent to the alkali metal base, the heating being effected with the reactants in solution in at least one solvent selected from the group consisting of saturated aliphatic monohydric alcohols and glycols, said solvent being completely miscible with water at room temperature.

2,581,336

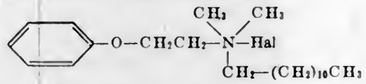
PHENOXYETHYL-DIMETHYL-DODECYL-AMMONIUM HALIDES

Max Hartmann and Werner Bosshard, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.

No Drawing. Application December 19, 1949, Serial No. 133,952. In Switzerland November 24, 1944

2 Claims. (Cl. 260—567.6)

1. A β-phenoxylethyl-dimethyl-dodecyl-ammonium halide of the formula



wherein Hal stands for a member of the group consisting of chlorine and bromine atoms.

2,581,337

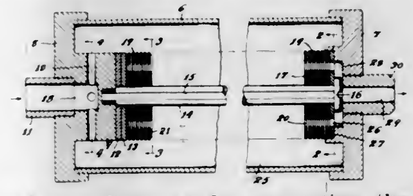
OIL FILTER

John V. Lapik, New York, N. Y.

Application January 10, 1948, Serial No. 1,591

3 Claims. (Cl. 210—164)

1. An oil filter including a casing, a cover secured to each end of said casing to form a chamber therein, an integral hub on one of said covers extending inwardly into the said chamber and having an inlet chamber therein communicating with the chamber in the casing through radial passages in the said hub, a supporting rod threaded to the said hub and extending axially of the casing, a plurality of filter disks stacked upon said rod, an end plate on said rod at the end of the stack of said disks, a head on said rod engaging the said end plate for urging the disks against the said hub and into close relation for filtering oil passing between them; the said disks providing a series of longitudinal passages extending parallel to said rod, access to said passages being provided between every other of said disks to thereby cause a filtering of oil passing between the disks and through the longitudinal



passages, and means for supporting the said disks at the end opposite the said hub including a hub on the other of said covers extending into the casing and having a recess therein snugly and slidably receiving the said end plate, a chamber opening into said recess and communicating with said passages through openings in said end plate, and an outlet from the chamber through which the filtered oil passes.

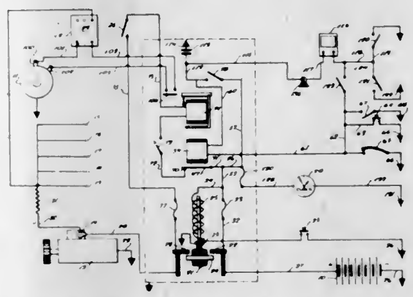
2,581,338

SAFETY SWITCH ASSEMBLY

Edward W. La Roza, Mamaroneck, N. Y.

Application April 4, 1950, Serial No. 153,796

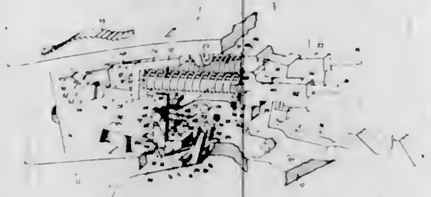
6 Claims. (Cl. 177—311)



1. A safety switch assembly comprising a main switch for connection between a source of electrical energy and an associated wiring system, a solenoid connected to said main switch for closing the latter, said main switch being spring urged to open position, a push button switch connected to said solenoid for energizing the latter to close said main switch, means releasably latching said main switch in closed position, an electromagnet disposed adjacent said latching means to release said main switch to open, a second push button switch connected to said electromagnet for energizing the latter, a generator control switch, means operated by said latching means opening said generator control switch to render the associated generator inoperative when said main switch is opened, an auxiliary circuit connected

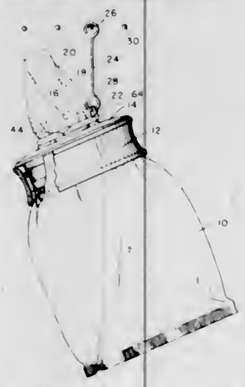
across said main switch, a coil operated overload switch in said auxiliary circuit effective to open said auxiliary circuit when subjected to current above a predetermined amount of current, a signal device connected with said main switch and a signal switch connected to said signal device to energize the latter if said signal switch is closed while said main switch is closed.

2,581,339
SINGLE-TRIGGER MECHANISM
George E. Larsson, New Haven, Conn., assignor to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware
Application August 3, 1948, Serial No. 42,238
7 Claims. (Cl. 42—42)



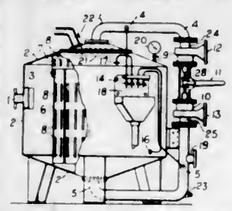
2. In a single-trigger mechanism for multiple-barrel firearms, the combination with a pair of firing-mechanisms including a pair of sears: of a trigger having a trigger-stop; a pair of sear-actuators, each actuator being carried by one of said sears and arranged to be cooperatively associated with said trigger with capacity for pivotal movement with respect thereto for actuating the respective sears; and a recoil-actuated element cooperatively associated with one of said sear-actuators to pivot said one sear-actuator forwardly into engagement with said trigger-stop on recoil of said firearm thereby to lock said trigger from involuntary release on recoil of said firearm so as to effect the release of said firing-mechanisms in a predetermined sequence when said trigger is pulled to discharge said firearm.

2,581,340
ASSOCIATED EQUIPMENT FOR NURSING UNITS
Adda M. Allen, Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C., a corporation of Delaware
Application April 18, 1947, Serial No. 742,377
2 Claims. (Cl. 215—11)



1. A sterile nursing unit adapted to be supported from the grill of a refrigerator, comprising a thin, transparent flexible and retractible container portion, an annular neck ring having means for securing a nursing nipple thereto, a hood for said nipple made of the same material as that of said container and having a closed top and open bottom to pass over and protect the nipple, and a contractible clamp adapted to grip around the open bottom of said hood and seal the same against said nipple, said clamp having means on one side thereof including a hook portion for suspending said unit by said clamp from the grill of the refrigerator with said neck ring canted from the horizontal yet supporting the flexible filled container in a substantially vertical position.

2,581,341
APPARATUS FOR SEPARATING LIQUIDS
William Alexander, Glasgow, Scotland; Mary Miller Durney or Young executrix of said William Alexander, deceased
Application December 27, 1946, Serial No. 718,789
In Great Britain October 4, 1946
6 Claims. (Cl. 210—51)



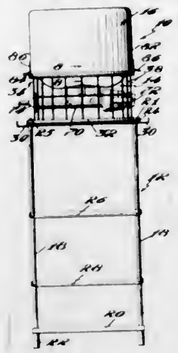
1. A separator apparatus for separating liquids of different specific gravities, comprising a closed separator shell, an inlet passageway for supplying a mixture of liquids of different specific gravities into the shell, an outlet pipe for discharging liquid of one specific gravity from the shell connected into an upper portion of the shell, an outlet pipe for discharging liquid of a higher specific gravity from the shell connected into a lower portio nof the shell, a manually operable discharge valve in each of said outlet pipes for controlling the flow in its pipe independently of the volume of flow therethrough, and means operatively coupling said valves to cause movement of one valve to decrease the flow through its outlet pipe when the other valve is moved to increase the flow through its outlet pipe.

2,581,342
WATER-SOLUBLE COMBINATION PRODUCTS OF GOSSYPOL AND PROTEINS
Aaron M. Altschul and Leah E. Castillon, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application July 11, 1950, Serial No. 173,221
9 Claims. (Cl. 260—119)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of preparing a water-soluble, toxic, gossypol product comprising dissolving gossypol and protein in dilute aqueous alkali, and neutralizing with acid.

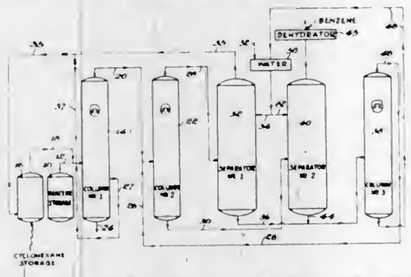
2,581,343
ELECTRICAL COOKING APPARATUS
Butler Ames, Boston, Mass.
Application July 13, 1948, Serial No. 38,399
3 Claims. (Cl. 219—37)

1. A portable stove comprising a shallow bowl having a flanged rim including a bead and shoulders at opposite sides thereof and having apertures in its bottom, a radiant heater element situated in the bowl above the bottom and substantially at the focal point thereof, a reflective screen below the heater element, a protective screen above the heater element, a grid resting on the shoulder inside of the bead above the radiant heater and protective screen having a reticulated surface upon which may be placed



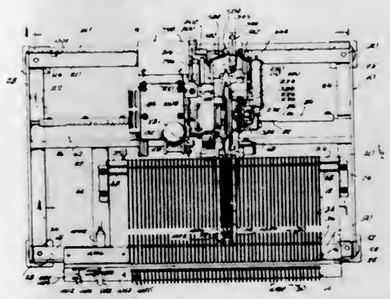
viands to be cooked, an open-mouth receptacle resting in an inverted position above the grid with its mouth resting on the shoulder outside of the bead, said receptacle defining an enclosed cooking space above the grid which confines the cooking vapors and odors, and a tray siutated below and outside of the bowl for receiving cooking juices draining from the vicinity of the heater at the bottom of the bowl through said apertures.

2,581,344
PURIFICATION OF DISTILLED COKE-OVEN BENZENE BY DISTILLATION WITH ADDED HYDROCARBON MATERIAL
John R. Anderson, Pittsburgh, Pa., assignor to Koppers Company, Inc, Pittsburgh, Pa., a corporation of Delaware
Application June 4, 1948, Serial No. 31,098
7 Claims. (Cl. 202—42)



1. A method for the purification of distilled coke-oven benzene which contains a small amount of non-aromatic hydrocarbon impurities higher boiling than benzene and substantially inseparable therefrom by simple distillation, which comprises distilling in a fractional distillation zone a mixture of said benzene and added non-aromatic hydrocarbon material, said hydrocarbon material boiling normally between 75° and 85° C. and being present in said mixture in an amount in excess of that required to form an azeotrope with said benzene, removing from said distillation zone the azeotrope of benzene and said hydrocarbon material as an overhead fraction, removing at least a portion of the excess hydrocarbon material and said high boiling impurities from said distillation zone as a distillation residue, separating benzene and said hydrocarbon material by distillation with a polar azeotropic agent in a second fractional distillation zone and recovering purified benzene freed of high boiling non-aromatic impurities from a fraction from said second distillation zone.

2,581,345
AUTOMATIC PHONOGRAPH
Edward F. Andrews, Chicago, Ill., assignor, by mesne assignments, to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application February 8, 1949, Serial No. 75,100
18 Claims. (Cl. 274—10)

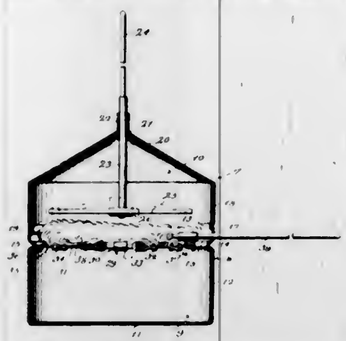


1. A phonograph comprising a magazine unit having a plurality of record spaces, a playing unit including turntable means and record transfer means, motor driven means for driving said turntable means, causing relative movement between said units in an operative direction and actuating said record transfer means, an actuable member corresponding to each record space and movable into two actuated positions, a contact on said playing unit arranged to engage any actuated actuable member, electromagnetic means controlled by such engagement to terminate the relative movement between said units and initiate the operation of said record transfer means to transfer the corresponding record to the turntable for the playing of one side, trip means actuated by said playing unit for initiating the operation of said transfer means to return the record towards the magazine, a contact on said playing unit engaging an actuated member in its second actuated position, contact means actuated by means associated with said record transfer means during its return movement, and drive reversing means controlled jointly by the engagement of the second mentioned contact with an actuatable member in its second actuated position and said contact means, whereby the operation of the transfer means and the turntable means is reversed and the record is returned to the turntable means for the playing of the other side.

2,581,346
DUST MOP CLEANER
Eugene Autry, Brooklyn, N. Y.
Application February 25, 1949, Serial No. 78,419
4 Claims. (Cl. 15—91)

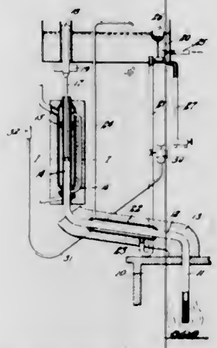
4. A mop head cleaner comprising a container, a resilient spider-shaped member mounted in the container including a ring, a plurality of straps fixed to and projecting radially from the ring and means secured to the outer ends of the straps and connecting the straps to the container to normally support said spider-shaped member within the container and with the parts thereof

in extended coplanar positions; a beater head disposed in the container between which and said spider-shaped member a mop head is adapt-



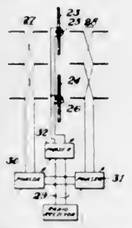
ed to be disposed, and actuating means connected to the beater head and projecting from the container and operable to forcibly displace the beater head toward the spider-shaped member.

2,581,347
ABSORPTION REFRIGERATION APPARATUS AND HEATING ARRANGEMENT THEREFOR
Sigurd Mattias Bäckström, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application August 5, 1944, Serial No. 548,221
In Sweden July 9, 1943
11 Claims. (Cl. 62—5)



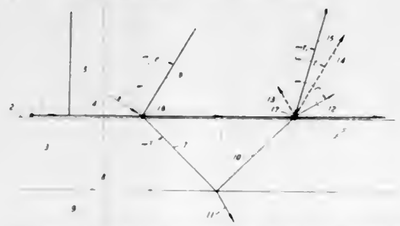
1. Absorption refrigeration apparatus including a vapor expulsion unit containing absorption solution from which refrigerant vapor is expelled by heating, structure for transferring heat to such vapor expulsion unit from a source of heat of varying temperature comprising an hermetically closed circuit containing an inert gas and a vaporizable fluid having a relatively high boiling point whose vapor is substantially immiscible with the gas, said circuit including a vaporizing element associated with said heat source for vaporizing fluid therein by heat derived from the latter, a condensing element in thermal exchange relation with said vapor expulsion unit and in which such vaporized fluid condenses to transfer heat to absorption solution in such unit, a member for delivering vaporized fluid from said vaporizing element to said condensing element, said circuit having an internal gas pressure to effect initial boiling of said fluid at a temperature of at least 100° C. or higher and continued boiling thereof at increasingly higher temperatures to cause the vaporized fluid produced by such boiling to displace inert gas in said circuit, the delivery member being of such cross-sectional dimension throughout its length that, irrespective of the rate at which the vaporized fluid is formed and moves through said delivery member, a more or less definite boundary is established between the inert gas and vaporized fluid formed due to such heating which advances in said delivery member from said vaporizing element toward said condensing element and always reaches said condensing element to transfer heat to said vapor expulsion unit to effect operation of the refrigeration apparatus only at a predetermined minimum temperature at which condensation of vaporized fluid takes place in said condensing element.

2,581,348
ANTENNA
Robert S. Bailey, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 10, 1948, Serial No. 20,322
6 Claims. (Cl. 250—33.59)



1. A composite antenna for very high frequency electromagnetic waves, comprising an antenna unit in the form of a rod of compacted powdered magnetic material which is selectively responsive to the magnetic components of an arriving electromagnetic wave, said rod being mounted parallel to the magnetic component of said wave, a non-magnetic antenna unit which is selectively responsive to the electric components of said wave, said non-magnetic unit being mounted parallel to the electric component of said wave, and phasing means to combine the responses of both said antenna units in additive phase.

2,581,349
METHOD OF ELECTRICAL PROSPECTING
William M. Barret, Shreveport, La., assignor to Engineering Research Corporation, Shreveport, La., a corporation of Louisiana
Application October 3, 1945, Serial No. 620,011
26 Claims. (Cl. 175—182)



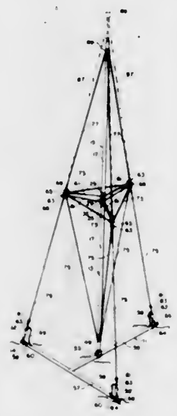
1. The method of determining the presence and depth of an underground mass having an anomalous index of refraction, comprising propagating electromagnetic waves along the earth's surface

so as to refract some of the said waves therein, receiving the said waves at successive points along a traverse located above and adjacent to the said mass and directed substantially toward the source of the said waves, measuring at the said points the tilt of the wave front associated with the said waves, and measuring the distance between the source of the said waves and the nearest point along the said traverse at which anomalous tilt angles are observed, the occurrence of the said anomalous tilt angles being indicative of the presence of the said underground mass, and the said distance being a measure of the depth of the said mass.

2,581,350
2-AMINOPYRIDINE SALT OF ESTRONE SULFATE
Desmond Beall, Westmount, Quebec, and Gordon A. Grant, Montreal, Quebec, Canada, assignors to Ayerst, McKenna & Harrison, Limited, St. Laurent, Quebec, Canada, a corporation of Canada
No Drawing. Application October 31, 1950, Serial No. 193,288
1 Claim. (Cl. 260—239.5)

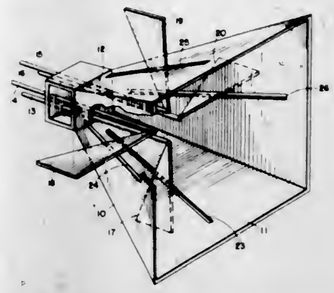
As a new compound, the 2-aminopyridine salt of estrone 3-monosulphate.

2,581,351
MAST
Eric A. Black, Red Bank, N. J.
Application February 21, 1946, Serial No. 649,450
12 Claims. (Cl. 189—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



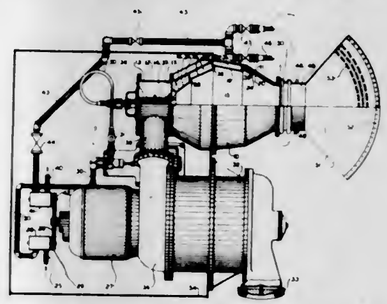
1. In a mast, a vertically disposed central post, a strut system for said post including a spider longitudinally adjustable relative to said post and a stiff spider strut disposed obliquely to said post and pivotably secured at its inner end to said spider, means to adjust said spider longitudinally relative to said post, an upper brace secured at its lower end to the outer end of said spider strut and secured at its upper end to the central post at a point higher than said strut system, and a lower brace secured at its upper end to the outer end of said spider strut and secured at its lower end to the central post at a point lower than said strut system.

2,581,352
VARIABLE POLARIZATION ANTENNA SYSTEM
William Roderic Bliss, Washington, D. C.
Application December 11, 1945, Serial No. 634,342
5 Claims. (Cl. 250—33.65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. An antenna comprising an elongated horn type reflecting structure, a plurality of longitudinal slots formed in the surface of said horn, and dipole radiator means movably disposed within the horn for energizing the same, the individual radiator elements of said dipole means extending through said slots whereby axial movement of said radiator means varies the tuning of the dipole radiator means.

2,581,353
APPARATUS FOR THE PRODUCTION AND DISTRIBUTION OF SMOKE, FOG, OR VAPOR CLOUDS
Claude A. Bonvillian, Chattanooga, Tenn., Ralph C. Brierly, Narberth, Pa., and Samuel Letvin, Elmhurst, N. Y.
Original application June 26, 1943, Serial No. 492,360. Divided and this application August 29, 1949, Serial No. 113,016. In Great Britain June 26, 1943
10 Claims. (Cl. 158—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Apparatus for producing vapor clouds comprising a combustion chamber including a convergent outlet section, means for delivering fuel to said chamber, means for delivering compressed air to said chamber, an outlet unit for said chamber including a tubular section connected to said outlet section at its reduced end and a gas distributor connected to said tubular section, and means for injecting vapor cloud producing substance into said tubular section whereby said substance mixes with the products of combustion issuing from said combustion chamber.

2,581,354
STABILIZATION OF ADIPONITRILE
Charles A. Bordner, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 6, 1950, Serial No. 199,583
9 Claims. (Cl. 260—465.8)

7. A composition of improved heat stability comprising adiponitrile and a minor amount of ammonium dihydrogen phosphate.

2,581,355
OPTICAL AIMING DEVICE FOR INDIRECT ARTILLERY FIRE
Leo H. Brown, Glenville, Conn.
Application October 11, 1949, Serial No. 120,806
11 Claims. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



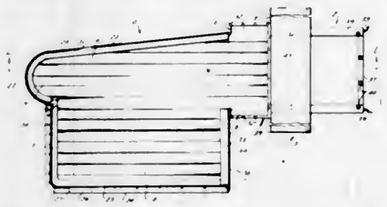
2. In a device for indirect aiming of a gun having an aiming sight mounted thereon, a transparent member having a muliplicity of parallel grating lines, a plane reflector member, and means uniting and supporting said members with the reflecting surface of said reflector member making an acute angle with said grating lines, said grating lines being reflected from the reflecting surface of said reflecting member toward the sight, to thereby produce a sight pattern indicating the proper aim of the sight with respect to the device.

2,581,356
SELF-LOADING DEVICE FOR SHAKER CONVEYERS
John Bugos, Alpha, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 27, 1947, Serial No. 731,309
7 Claims. (Cl. 198—14)



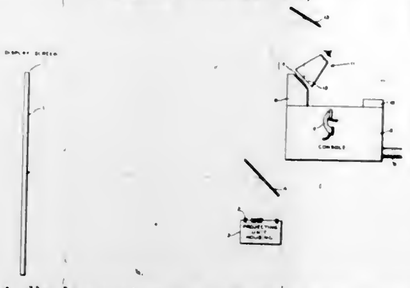
5. In a self-loading device for shaker conveyors and in combination with a swivelable shaker conveyor trough line including a swivel trough and a reciprocating trough discharging its contents into the forward end of said swivel trough, an extensible trough mounted for extensible movement with respect to said reciprocating trough and having a shovel on its forward end, a frame connected with said swivel and extending along said reciprocating and extensible troughs and forming a non-reciprocating guide means therefor, and self-contained power operated means mounted on said frame beneath said troughs, for swinging said troughs laterally and for advancing said troughs and frame with respect to said trough line, including a tread frame, a motor mounted to one side of said tread frame, a continuous tread traction device guided for movement about said tread frame, a drive connection from said motor to said continuous tread traction device and a pivotal connection between said tread frame and said non-reciprocating frame, a shoe adapted to engage the ground at the forward end of said non-reciprocating frame and an adjustable connection between said shoe and the forward end of said frame for elevating said frame and shoe with respect to the ground and raising said tread device above the ground, to permit said tread device to be moved into position to move said frame and troughs laterally about said swivel, and to be moved into position to advance said troughs and swivel with respect to the trough line, to extend the trough line, and means selectively operable from one side of said non-reciprocating frame for locking said tread frame and continuous tread device in their various desired positions of adjustment.

2,581,357
SLEEPING BAG
Frank I. Burstein, Dayton, Ohio
Application June 24, 1946, Serial No. 678,763
6 Claims. (Cl. 5—343)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



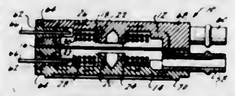
1. A sleeping bag made up of a uniplanar section of insulated bedding foldable on a longitudinal line intermediate of its width to provide a mattress and a cover, an integral foot flap extending from the foot end of said mattress and beyond the foot end of said cover when the cover is folded over the mattress, an integral pillow flap extending from the head end of said mattress and beyond the head end of said cover when said cover is folded over the mattress, a frost cloth detachably secured to the free end of said pillow flap and a shielding flap secured to the underside of said mattress and extending lengthwise beyond the free end of said pillow flap and said frost cloth, two series of snap fasteners each spaced along said head end of said cover and on the outside thereof when said cover is folded over the mattress, and two series of similarly spaced complementary snap fasteners, one series extending longitudinally along each side of the pillow flap, a series of spaced apart snap fasteners beginning at the junction of the foot end of the cover with the foot flap, and extending along said foot end of the cover and along the free side of the cover to said head end thereof and a complementary series of similarly spaced snap fasteners extending from the same said junction and extending around the periphery of the foot flap and along the free side of the mattress to said head end thereof, and a zipper having its permanently joined end at the same said junction and having one branch extending along said foot end of the cover and along the free side of the cover to said head end thereof, and a complementary branch extending around the periphery of the foot flap and along the free side of the mattress to said head end thereof.

2,581,358
DISPLAY SYSTEM INDICATING CRAFT POSITION AND MOVEMENT
Henri G. Busignies, Forest Hills, N. Y., and Paul R. Adams, Cranford, N. J., assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application February 5, 1946, Serial No. 645,669
7 Claims. (Cl. 88—24)



1. A display system for displaying the position and movement of craft about a given location, comprising a screen, means for producing an optical representation of a craft, means for projecting said representation on said screen, and means for controlling said projecting means for moving said representation on the screen to represent the movement of said craft, wherein said controlling means includes a stationary train, a first member arranged for rotation in one plane, a second member arranged for rotation in a plane at right angles to the plane of said first member and carried thereby, a third member mounted for rotation on said second member in a plane at right angles to the plane in which said second member rotates and carried by said second member, and a fourth member mounted on said third member for rotation in a plane at right angles to the plane in which said third member rotates.

2,581,359
ELECTROMAGNETIC PRESSURE SENSITIVE DEVICE
James Clark, Dayton, Ohio
Application March 21, 1947, Serial No. 736,183
3 Claims. (Cl. 171—242)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

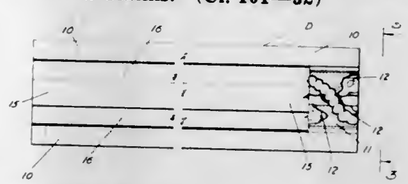


1. A pressure sensitive electromagnetic device comprising a hollow shell of magnetic material, a flexible flux conducting diaphragm secured throughout its peripheral portions to said shell and separating the hollow of said shell into two similar pressure-tight chambers, the central portion of the diaphragm having a small spacing from adjacent portions of the shell to provide a single air gap at each side of the diaphragm, a pair of windings at each side of said diaphragm arranged coaxially with said diaphragm adapted for connection in a bridge circuit, means to subject the diaphragm at opposite sides thereof to different pressures to cause it to flex and inversely vary the lengths of said air gaps to inversely vary the reluctance of the magnetic circuits at opposite sides of the diaphragm, and means for insulatedly bringing the terminals of said windings through the shell to the outside thereof.

2,581,360
METHOD OF STABILIZING POLYMERS COMPRISING VINYL OR VINYLIDENE CHLORIDES
John E. Costa and Otis Ray McIntire, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application March 11, 1950, Serial No. 149,207
2 Claims. (Cl. 260—45.7)

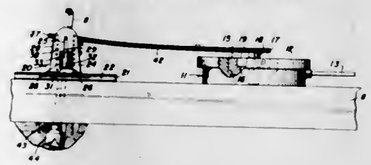
1. The method which comprises mixing intimately in an evaporative atmosphere a stream of an aqueous latex-like dispersion of a polymer which contains at least 10 per cent of a member selected from the group consisting of vinyl chloride and vinylidene chloride polymerized therein, with a stream of an aqueous solution of a normally solid, water-soluble inorganic stabilizer for such polymer, the said streams being supplied at rates to provide from 5 to 40 parts by weight of the stabilizer while correspondingly from 95 to 60 parts of the polymer are being supplied, flashing water vapor from the so-mixed streams, recovering the spray-dried concentrate of stabilizer in polymer, and blending this concentrate intimately with additional powdered polymer in a proportion to provide from 0.1 to 2 per cent of the stabilizer in the final mixture.

2,581,361
METHOD OF TOOLING ARTICLES OF LEATHER OR THE LIKE
John R. Craighead, Denver, Colo.
Application April 16, 1946, Serial No. 662,493
2 Claims. (Cl. 101—32)



1. The method of tooling a leather article or the like, which comprises inserting a strip of such material having a convex surface and a relatively flat surface in a die of substantially concave contour, and moving the relatively flat surface of said strip against the concave die surface under sufficient pressure to impress the die pattern in reverse arrangement throughout said originally flat surface of the strip brought in contact therewith and to reverse the contour of said strip.

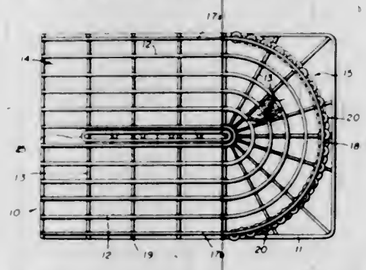
2,581,362
RAT HOLE DRILL
Robert E. Craine, Sr., Great Bend, Kans.
Application August 24, 1948, Serial No. 45,906
3 Claims. (Cl. 255—23)



1. In a rat hole drilling mechanism, a rat hole rotary comprising a base having spaced uprights, a sleeve arranged between and pivotally and slidably mounted in said uprights for lateral

tilting adjustment about a horizontal axis and for rectilinear vertical adjustment, and a hubbed sprocket wheel resting on the upper end of said sleeve and having its hub journaled in said sleeve and adapted to receive and turn a Kelly rod, said sprocket wheel adapted to have a sprocket chain passed around the same to transmit motion thereto from a drive sprocket wheel assembled to the master bushing in the turntable of the main rotary of an oil well drilling rig, said hubbed sprocket wheel being split diametrically into two halves, and arcuate plates disposed on and bolted on the top of said hubbed sprocket wheel to join the halves thereof.

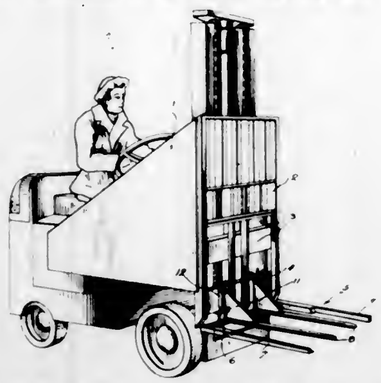
2,581,363
REFRIGERATOR SHELF WITH GUIDE TRACKS
Neil J. Creedon, Glens Falls, N. Y.
Application March 20, 1947, Serial No. 735,946
3 Claims. (Cl. 211—152)



1. In a shelf construction for refrigerator cabinets and other containers, a compartment of U-shaped cross section, having in longitudinal direction the form of a U-shaped channel with closely adjacent sections, consisting of a cage like structure formed by intercrossing bars, with an outer lateral guiding wall provided with longitudinal guiding rails arranged at a distance running along the wall, with straight sections and a curved section joining the same, held by vertical cross bars arranged at a distance, an uninterrupted trackway consisting of horizontal guide rails arranged at a distance and held by horizontal cross bars arranged at a distance, said guide rails having straight sections joined by curved sections substantially parallel to the guide wall sections, rows of staggered rollers arranged in close proximity to each other on the outer curved wall section on axles at right angle to the trackway, and a common inner guide wall for both closely adjacent channel sections, consisting of a straight wall section and provided with horizontal guide rails arranged at a distance and of vertical cross bars arranged at a distance holding the same.

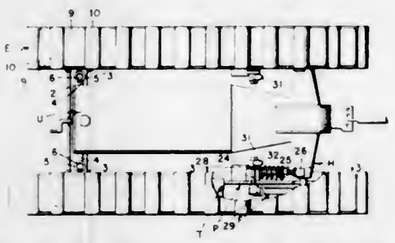
2,581,364
DRUM-HANDLING ATTACHMENT FOR INDUSTRIAL TRUCKS
Walton W. Cushman, Webb City, Mo.
Application August 2, 1946, Serial No. 687,859
2 Claims. (Cl. 214—113)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A drum-handling attachment for an industrial truck having a vertically-movable carriage provided with a crossbar, comprising a horizontally disposed base member, a plurality of forwardly extending tines secured to and extending normally of the base member, a pair of bracket hangers each having a hook portion at the upper end thereof, said bracket hangers being fixedly secured to the base member and extending upwardly therefrom with said hook portions extending rearwardly and adapted to engage over the crossbar, a pair of sleeves fixedly secured to said hangers, hook-shaped bolts each having one arm slidably mounted in a sleeve leaving the other



arm free to engage about the lower edge of the crossbar, coil springs encircling a portion of each of the first-mentioned arms and adapted to press said hook-shaped bolts downwardly and rotate them about the axis of said sleeves, and means for drawing said hook-shaped bolts into engagement with the lower edge of said crossbar against the pressure of said springs.

2,581,365
CRAWLER TRACTOR FRICTION WHEEL DRIVE MECHANISM
Frank H. Darragh, Jr., New Brighton, Pa., assignor of one-half to Charles W. Read, New Castle, Pa.
Application November 5, 1947, Serial No. 784,219
6 Claims. (Cl. 180—9.1)



1. A tractor structure of the character described comprising a power unit having laterally projecting axles, a long plate body extending lengthwise of each side of the power unit with its longitudinal margins vertically spaced and having each end edge substantially semi-circular, a continuous track plate encircling each long plate and secured to the periphery thereof, the track plate projecting laterally beyond a vertical face of the supporting plate body, each of said plate bodies having an axle extending therethrough concentric with one semi-circular edge of the plate body, means coupling the forward end of each plate body with the adjacent part of the power unit whereby vertical swinging movement of the plate body with the adjacent part of the power unit whereby vertical swinging movement of the plate body relative to the power unit is permitted, an endless traction element encircling each track plate and comprising a plurality of pivotally coupled tread members, a roller carried by each of the tread members and engaging the outer face of the track plate, a roller carried by each of the tread members and having rolling contact with the inner face of the track plate, a friction wheel secured upon each of the axles and having its periphery in spaced relation with the inner face of the track plate, and each of said last mentioned rollers being adapted to pass between the periphery of the adjacent wheel and the inner face of the track plate for simultaneous driving contact with the wheel periphery and track plate.

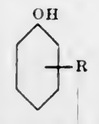
2,581,366
HOOD GATHERING MEANS
Joseph De Grazia, Washington, D. C.
Application July 17, 1947, Serial No. 761,650
5 Claims. (Cl. 2—203)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A hood comprising a body portion formed of flexible material and shaped to provide a face opening and chin portion, a hem encircling the top and sides of the face opening and provided with an outlet at each side of the chin portion, a drawstring located in the hem and having its terminal portions extending through said outlets, and a friction clamp slidably mounted on each terminal portion and having an internal diameter greater than that of the respective outlet.

2,581,367
OXYALKYLATED DERIVATIVES OF CERTAIN SOLVENT SOLUBLE PHENOL-ALDEHYDE RESINS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application February 16, 1948, Serial No. 8,725. In Venezuela March 7, 1947
6 Claims. (Cl. 260—53)

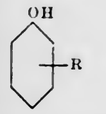
1. Hydrophile synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula



in which R is a carboalkoxy radical substituted in the 2,4,6-position having at least 2 and not more than 24 carbon atoms, said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyl groups of a plurality of divalent radicals having the formula $(R_1O)_n$ in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,368
BLOWN OXYALKYLATED DERIVATIVES OF CERTAIN SOLVENT SOLUBLE PHENOL-ALDEHYDE RESINS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application May 29, 1948, Serial No. 30,184
7 Claims. (Cl. 260—53)

1. Blown, hydrophile, synthetic products; said hydrophile, synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, phenolaldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive towards said phenol; said resin being formed in the substantial absence of phenols of functionality greater than 2; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 8 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyl groups of a plurality of divalent radicals having the formula $(R_1O)_n$ in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus; said blowing being conducted by means of a gaseous oxygen-containing medium said blown product having increased viscosity and reduced hydrophile property as compared with the unblown oxyalkylated resin.

2,581,369

OXYETHYLATED HYDROPHILE DERIVATIVES OF CERTAIN FRACTIONAL ESTERS OF TRIRICINOLEIN

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application May 29, 1948, Serial No. 30,185

9 Claims. (Cl. 260—404.8)

1. A water miscible ester which is the resultant of the oxyethylation, with ethylene oxide, of a ricinoleic acid-polycarboxy acid-glycerol ester, which ester (*a*) contains at least one ricinoleic acid radical, at least one radical of a polycarboxy acid which is saturated and has not over 10 carbon atoms, and at least one glyceryl radical, the three types of radicals being joined by ester linkages, (*b*) contains less than three ricinoleic acid radicals for each glyceryl radical, and (*c*) is characterized by the presence of a hydroxyl radical reactive towards ethylene oxide, as distinguished from a ricinoleyl hydroxyl radical.

2,581,370

OXYALKYLATED HYDROXY ACETIC ACID-ESTERIFIED OXYALKYLATED PHENOL ALDEHYDE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application November 12, 1948, Serial No. 59,774

20 Claims. (Cl. 260—53)

1. Hydrophile synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, hydroxyacetic acid-esterified alkylene oxide-modified phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive towards said phenol; said resin being formed in the substantial absence of phenols of functionality greater than 2; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said resin being reacted with the aforementioned alkylene oxide so as to convert at least a majority of the phenolic hydroxyls per resin molecule into aliphatic hydroxyl radicals but in a molecular proportion; so that less than two moles of the alkylene oxide are used for each phenolic hydroxyl; said alkylene oxide-modified phenol-aldehyde resin being reacted with hydroxyacetic acid so as to convert at least a majority of the alkanol radicals replacing the phenolic hydroxyl radicals, but, in any event, at least two such alkanol radicals into the corresponding hydroxyacetic acid ester radicals, and finally, said esterified alkylene oxide-modified phenol-aldehyde resin being characterized by the introduction into the resin molecule at the hydroxyl groups of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least two moles of alkylene oxide calculated on a total basis, both before and after esterification, be introduced for each phenolic nucleus present in the original unmodified phenolaldehyde resin.

2,581,371

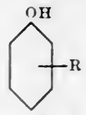
HYDROXY ACETIC ACID ESTERS OF OXYALKYLATED PHENOL-ALDEHYDE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application November 12, 1948, Serial No. 59,775

19 Claims. (Cl. 260—53)

1. A modified phenol-aldehyde resin which is an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, hydroxyacetic acid-esterified alkylene oxide-modified phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive towards said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said resin being reacted with an alpha, beta-alkylene oxide having not more than four carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methyl glycide so as to convert at least a majority of the phenolic hydroxyls per resin molecule into aliphatic hydroxyl radicals but in a molecular proportion so that less than two moles of the alkylene oxide are used for each phenolic hydroxyl; and said alkylene oxide-modified phenol-aldehyde resin being reacted with hydroxyacetic acid so as to convert at least a majority of the alkanol radicals replacing the phenolic hydroxyl radicals, but, in any event, at least two such alkanol radicals into the corresponding hydroxyacetic acid ester radicals.

2,581,372

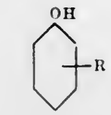
ESTERS OF BLOWN HYDROXY ACETYLATED RICINOLEIC ACID COMPOUNDS WITH OXYALKYLATED PHENOL ALDEHYDE RESINS

Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1948, Serial No. 64,445

11 Claims. (Cl. 260—19)

1. An ester in which the acyl radical is that of the fatty acid of a blown hydroxyacetylated ricinoleic acid compounds selected from the class consisting of castor oil, triricinolein, diricinolein, monoricinolein, superglycerinated castor oil, castor oil estolides, polyricinoleic acid and ricinoleic acid, and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,373

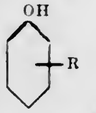
ESTERS OF HYDROXY ACETYLATED BLOWN RICINOLEIC ACID COMPOUNDS WITH OXYALKYLATED PHENOL ALDEHYDE RESINS

Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1948, Serial No. 64,447

11 Claims. (Cl. 260—19)

1. An ester in which the acyl radical is that of the fatty acid of a hydroxyacetylated blown ricinoleic acid compound selected from the class consisting of blown castor oil, blown triricinolein, blown diricinolein, blown monoricinolein, blown superglycerinated castor oil, superglycerinated blown castor oil, blown ricinoleic acid, blown polyricinoleic acid and blown castor oil estolides, and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,374

ESTERS OF HYDROXY ACETYLATED BLOWN RICINOLEIC ACID COMPOUNDS WITH OXYALKYLATED PHENOL ALDEHYDE RESINS

Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1948, Serial No. 64,449

12 Claims. (Cl. 260—19)

1. An ester in which the acyl radical is that of the fatty acid of a hydroxyacetylated blown dehydrated ricinoleic acid compound selected from the class consisting of blown dehydrated castor oil, blown dehydrated triricinolein, blown dehydrated diricinolein, blown dehydrated monoricinolein, blown dehydrated ricinoleic acid, blown dehydrated polyricinoleic acid, and the estolides of blown dehydrated castor oil, and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula

in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydrox-

ybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,375

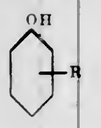
ESTERS OF SULFO HIGH FATTY ACIDS WITH OXYALKYLATED PHENOL ALDEHYDE RESINS

Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1948, Serial No. 64,451

12 Claims. (Cl. 260—19)

1. An ester of a sulfo high fatty acid having at least 8 carbon atoms and not more than 22 carbon atoms in the fatty acid acyl group and in which the hydrogen atom of the sulfo radical has been replaced by a cation, and the ester linkage involved is by virtue of the higher fatty acid carboxylic radical and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,376

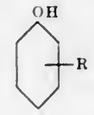
DETERGENT FORMING MONOCARBOXY ACID ESTERS OF CERTAIN OXYALKYLATED PHENOL-ALDEHYDE RESINS

Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1948, Serial No. 64,455

7 Claims. (Cl. 260—19)

1. An ester in which the acyl radical is that of a detergent-forming monocarboxy acid of the type R'COOH in which R' is a member selected from the group consisting of aliphatic hydrocarbon, chlorinated aliphatic hydrocarbon, hydroxylated aliphatic hydrocarbon, cycloaliphatic hydrocarbon, and brominated cycloaliphatic hydrocarbon radicals having at least 7 and not over 31 carbon atoms, and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,377

CERTAIN ESTERS OF CARBOXY ACIDS WITH OXYALKYLATED PHENOL-ALDEHYDE RESINS

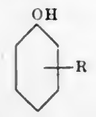
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1948, Serial No. 64,457

7 Claims. (Cl. 260—19)

1. A mixed ester in which the acyl radicals include an acyl radical of a detergent-forming monocarboxy acid having at least 8 and not over 32 carbon atoms in conjunction with the acyl radical of an alpha halogen monocarboxy acid having not over 6 carbon atoms, and in which the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality

greater than two; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,378

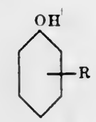
ESTERS OF DRASTICALLY OXIDIZED DEHYDRATED CASTOR OIL FATTY ACIDS WITH OXYALKYLATED PHENOL ALDEHYDE RESINS

Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1948, Serial No. 64,459

7 Claims. (Cl. 260—19)

1. An ester in which the acyl radical is that of the fatty acid of blown dehydrated castor oil, and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para, said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,379

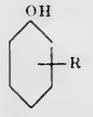
ESTERS OF DRASTICALLY OXIDIZED CASTOR OIL FATTY ACIDS WITH OXYALKYLATED PHENOL ALDEHYDE RESINS

Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1948, Serial No. 64,461

7 Claims. (Cl. 260—19)

1. An ester in which the acyl radical is that of the fatty acid of blown castor oil, and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,380

ESTERS OF OXYALKYLATED PHENOL ALDEHYDE RESINS WITH POLYHYDRIC ALCOHOL-POLYBASIC CARBOXY ACID-MONOCARBOXY ACID ESTERS

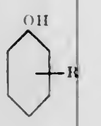
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1948, Serial No. 64,463

7 Claims. (Cl. 260—20)

1. The resultant of the esterification reaction involving on the one hand an acidic ester containing (*a*) at least one polyhydric alcohol radical of a polyhydric alcohol having not more than 6 carbon atoms and containing only carbon, hydrogen and oxygen; (*b*) at least one polybasic carboxylic acid radical; and (*c*) a plurality of acyloxy radicals, each having 8 to 22 carbon atoms derived from any detergent-forming monocarboxy acid having 8 to 22 carbon atoms, with the proviso that at least one of said acyloxy radicals is derived from hydroxylated detergent-

forming monocarboxy acid having 8 to 22 carbon atoms, each said polyhydric alcohol radical being ester-linked with a plurality of groups, each of which groups contains at least one of said acyloxy radicals, the number of said groups ester-linked to each polyhydric alcohol radical being at least equal in number in each instance to the valency of the polyhydric alcohol radical, so that each polyhydric alcohol radical is free from any uncombined hydroxyl radical directly attached thereto and at least one of said groups containing a polybasic carboxylic acid radical linked thereto by an ester linkage; and on the other hand hydrophile synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than 2; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,381

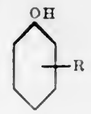
ESTERS OF CERTAIN OXYALKYLATED PHENOL-ALDEHYDE RESINS WITH POLYHYDRIC ALCOHOL - POLYBASIC CARBOXY ACID ACYLOXY ACID ESTERS

Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1948, Serial No. 64,465

7 Claims. (Cl. 260—20)

1. The resultant of the esterification reaction involving on the one hand an acidic ester containing: (a) a polyhydric alcohol radical having not more than 6 carbon atoms and composed of hydrogen, carbon and oxygen; (b) a polybasic carboxylic acid radical having not more than 10 carbon atoms; and (c) an acyloxy radical containing 8 to 32 carbon atoms derived from a detergent-forming monocarboxy acid having 8 to 32 carbon atoms, said radicals being joined by ester linkages, at least one polyhydric alcohol radical being ester-linked with a group containing said acyloxy radical and the number of said groups ester-linked with at least one polyhydric alcohol radical being less than the valency of said polyhydric alcohol radical, and on the other hand certain hydrophile synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,382

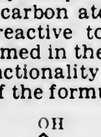
ESTERS OF ALPHA-HALOGEN CARBOXY ACIDS WITH OXYALKYLATED PHENOL-ALDEHYDE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 13, 1948, Serial No. 65,081

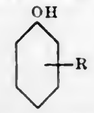
8 Claims. (Cl. 260—53)

1. An ester in which the acyl radical is that of an alpha-halogen monocarboxylic acid having not over 6 carbon atoms and composed of carbon, hydrogen, oxygen and halogen and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive towards said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

tial absence of phenols of functionality greater than two; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 2 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,383

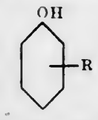
HETEROCYCLIC QUATERNARY AMMONIUM DERIVATIVES OF ALPHA-HALOGEN CARBOXY ACID ESTERS OF OXYALKYLATED PHENOL-ALDEHYDE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 13, 1948, Serial No. 65,083

13 Claims. (Cl. 260—53)

1. A quaternary ammonium compound obtained by reaction between a heterocyclic compound of the pyridine series consisting of pyridine, quinoline, isoquinoline, and carbon-linked methyl homologues thereof, and an ester in which the acyl radical is that of an alpha-halogen monocarboxylic acid having not over 6 carbon atoms and composed of carbon, hydrogen, oxygen and halogen and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide, and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, phenolaldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive towards said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,384

ACYLATED AMINO ALCOHOL QUATERNARY AMMONIUM DERIVATIVES OF ALPHA-HALOGEN CARBOXY ACID ESTERS OF OXYALKYLATED PHENOL-ALDEHYDE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

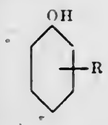
No Drawing. Application December 13, 1948, Serial No. 65,085

8 Claims. (Cl. 260—53)

1. A quaternary ammonium compound obtained by reaction between a basic acylated aminoalcohol, in which there is at least one occurrence of the radical

$$RCO.(OR')_{n'}N<$$

in which RCO is the acyl radical of a monocarboxy detergent-forming acid having at least 8 and not more than 32 carbon atoms; the amino nitrogen atom is tertiary and basic; R′ is an alkylene radical having at least 2 and not more than 10 carbon atoms; and n is a small whole number varying from 1 to 10; and the molecular weight of said compound in monomeric form being at least 213 and not over 4,000; and an ester in which the acyl radical is that of an alpha-halogen monocarboxylic acid having not over 6 carbon atoms and composed of carbon, hydrogen, oxygen and halogen and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive towards said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,385

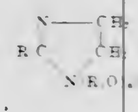
QUATERNARY AMMONIUM GLYOXALIDINE DERIVATIVES OF ALPHA-HALOGEN CARBOXY ACID ESTERS OF OXYALKYLATED PHENOL-ALDEHYDE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

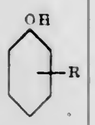
No Drawing. Application December 13, 1948, Serial No. 65,087

8 Claims. (Cl. 260—53)

1. A quaternary ammonium compound obtained by reaction between a hydroxylated glyoxalicine of the formula:



in which RC is the residue of the radical RCO, which, in turn, is the acyl radical of a detergent-forming monocarboxy acid having at least 8 and not more than 22 carbon atoms, and R_1O is an alkylene oxide radical having not over 4 carbon atoms and selected from the class consisting of ethylene oxide radicals, propylene oxide radicals, butylene oxide radicals, glycide radicals, and methylglycide radicals; and n' is a numeral varying from 1 to 3; and an ester in which the acyl radical is that of an alpha-halogen monocarboxylic acid having not over 6 carbon atoms and composed of carbon, hydrogen, oxygen and halogen and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide, and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive towards said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,386

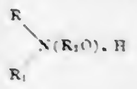
HIGH MOLAL AMINE QUATERNARY AMMONIUM DERIVATIVES OF ALPHA-HALOGEN CARBOXY ACID ESTERS OF OXYALKYLATED PHENOL-ALDEHYDE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

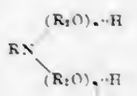
No Drawing. Application December 13, 1948, Serial No. 65,089

8 Claims. (Cl. 260—53)

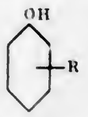
1. A quaternary ammonium compound obtained by reaction between a hydroxylated high molal amine selected from the class consisting of



and



in which R is an alkyl radical having at least 8 and not more than 26 carbon atoms; R_1 is an alkyl radical having not over 26 carbon atoms; R_2O is an alkylene oxide radical having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, butylene oxide, glycide and methylglycide radicals; n' represents the numerals 1 to 6, and n'' represents the numeral 1 to 3; and an ester in which the acyl radical is that of an alpha-halogen monocarboxylic acid having not over 6 carbon atoms and composed of carbon, hydrogen, oxygen and halogen and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide, and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive towards said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,387

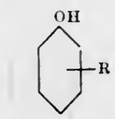
HIGH MOLAL AMINE QUATERNARY AMMONIUM DERIVATIVES OF ALPHA-HALOGEN CARBOXY ACID ESTERS OF OXYALKYLATED PHENOL-ALDEHYDE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 13, 1948, Serial No. 65,091

8 Claims. (Cl. 260—53)

1. A quaternary ammonium compound obtained by reaction between a dimethylated higher aliphatic amine in which the aliphatic radical has at least 10 and not more than 22 carbon atoms, and an ester in which the acyl radical is that of an alpha-halogen monocarboxylic acid having not over 6 carbon atoms and composed of carbon, hydrogen, oxygen and halogen, and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide, and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic, solvent-soluble, water-insoluble, phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,388

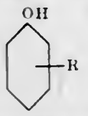
HYDROXY ACID ESTERS OF OXYALKYLATED PHENOL-ALDEHYDE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application April 22, 1949, Serial No. 89,139

8 Claims. (Cl. 260—52)

1. An ester in which the acyl radical is that of an unsubstituted hydroxylated, aliphatic monocarboxy acid having at least 2 and less than 8 carbon atoms and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide, and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic, solvent-soluble, water-insoluble, phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than 2; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,581,389

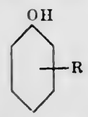
DRASTIC OXIDATION PRODUCTS OF UNSATURATED FATTY ACID ESTERS OF OXYALKYLATED PHENOL-ALDEHYDE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application April 22, 1949, Serial No. 89,141

8 Claims. (Cl. 260—19)

1. A blown ester in which the acyl radical is that of an unsaturated fatty acid having at least 8 and not more than 22 carbon atoms, and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide, and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than 2; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which

R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, an n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus, and with the final proviso that the blowing of the ester be by means of a gaseous oxygen-containing medium.

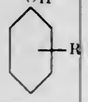
2,581,390

UNSATURATED ACID ESTERS OF OXYALKYLATED PHENOL-ALDEHYDE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application May 6, 1949, Serial No. 91,883
8 Claims. (Cl. 260—52)

1. An ester in which the acyl radical is that of an unsubstituted alpha-beta mono-olefinic monocarboxy acid saturated except for the alpha-beta olefinic linkage and having less than 8 carbon atoms, and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide, and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than 2; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

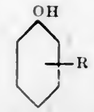
2,581,391

CHLORO-OXYPROPYLATED DERIVATIVES OF OXYALKYLATED PHENOL-ALDEHYDE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application May 6, 1949, Serial No. 91,885
8 Claims. (Cl. 260—52)

1. A chloro-oxypropylated derivative of hydrophile hydroxylated synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide, and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than 2; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus; said chloro-oxypropylated compounds being obtained by reaction with epichlorohydrin.

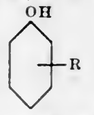
2,581,392

QUATERNARY AMMONIUM DERIVATIVES OF CHLOROXY PROPYLATED OXYALKYLATED PHENOL-ALDEHYDE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application May 6, 1949, Serial No. 91,887
10 Claims. (Cl. 260—52)

1. A quaternary ammonium compound derived by reaction between (1) a chloro-oxypropylated derivative of hydrophile hydroxylated synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than 2; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule

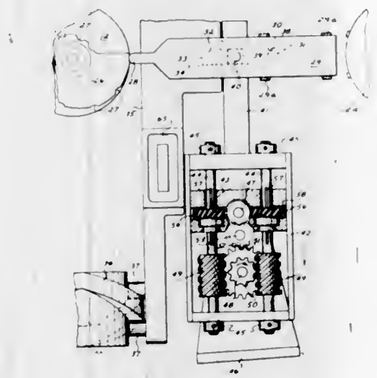
at the phenolic hydroxyls of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus; said chloro-oxypropylated compounds being obtained by reaction with epichlorohydrin; and (2) a basic tertiary amine having not over 50 carbon atoms.

2,581,393

COMPUTING DEVICE

Marcel Demeulenaere and Robert Demeulenaere, New York, N. Y.

Application May 14, 1946, Serial No. 669,651
22 Claims. (Cl. 74—122)



1. In a computing device, a quantitative responsive device, a computing shaft, toothed pinions on said shaft, actuators having teeth operable during axial movement of the actuators to impart rotary motion to the pinions by rack drive action and operable during rotary movement to impart further rotary motion to the pinions by worm drive action, settable drive means for imparting selectively variable axial rack drive movements to said actuators in accordance with selectable variable factors, means for actuating said drive means in proportional accordance with the output of said quantitative responsive device, and means operable by certain of the pinions rotated by axial movement of the related actuators for imparting rotary worm drive movement to the actuator related to one of the adjacent pinions.

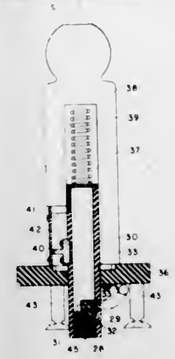
2,581,394

METHOD OF AND APPARATUS FOR MEASURING THE THICKNESS OF NONCONDUCTING COATINGS OR FILMS

Jacob E. Dinger, Washington, D. C.

Application August 20, 1945, Serial No. 611,672
14 Claims. (Cl. 33—147)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an apparatus for measuring the thickness of a non-conducting film on a non-magnetic conducting base, a pick-up probe, a super-audio frequency oscillator comprising a frequency determining coil located in an end of said probe, and means associated with said probe for predetermining the location of said coil with respect to a surface being examined.



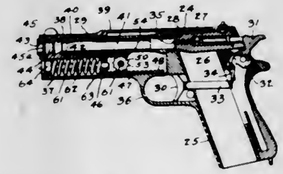
13. The method of measuring the thickness of a non-conducting film which comprises connecting an inductance to an electric circuit to form an oscillatory circuit having a frequency in the super-audio band, placing said inductance adjacent to a non-magnetic conductive base to establish a reference frequency of said oscillations, placing the non-conducting film on the non-magnetic conductive base, placing said inductance adjacent said film and indicating the thickness of the film as a function of the change in frequency of said oscillations from said reference frequency.

2,581,395

GAS PISTON OPERATED FIREARM

John A. Elfstrom, Philadelphia, Pa.

Application October 25, 1949, Serial No. 123,493
1 Claim. (Cl. 89—191)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In combination with a magazine type firearm provided with a gun frame, a hand grip, a barrel rigidly fixed to said frame, a hammer, a trigger for releasing said hammer, a trigger guard and a firing pin, the improvement which comprises a housing, a muzzle brake sleeve, a reciprocative breech block provided with a lateral recess making an acute angle with the direction of reciprocation of said block, a muzzle brake sleeve provided with a bore for the muzzle of said barrel and a plurality of annular shoulders each opening into an outwardly coned recess having a plurality of radial gas vents, a terminal shoulder opening into a terminal bore, a radially extending arm provided with a shaft bearing, a gear rack rigidly secured to said arm, a pinion operatively engaged with said rack, a second rack also operatively engaged with said pinion, a slidable arm connected with said second rack, a breech block slide arm provided with a lug for operative engagement in the recess of said breech block, a compression spring coil for returning said breech block to initial position and a shaft for said spring mounted in said bearing.

2,581,396

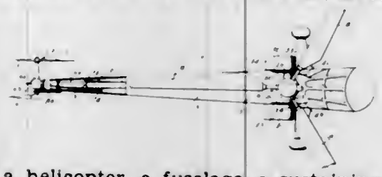
STABILIZER FOR ROTARY WING AIRCRAFT

Frank A. Erickson, Elizabeth City, N. C.

Original application December 5, 1947, Serial No. 790,005. Divided and this application August 9, 1951, Serial No. 241,148

1 Claim. (Cl. 244—17.19)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a helicopter, a fuselage, a sustaining rotor mounted upon the fuselage, cyclic pitch control means for the sustaining rotor including a non-rotatable swash plate section, stabilizer vanes mounted upon the non-rotatable swash plate section, a variable pitch torque compensating rotor mounted upon the fuselage, a directional stabilizer vane mounted upon the fuselage, means to vary the pitch of the torque compensating rotor, and connecting means between the directional stabilizer vane and said means to vary the pitch of the torque compensating rotor in response to changes in airflow relative to said directional stabilizer vane.

2,581,397

AMINO ACID SALTS OF MERSALYL AND METHOD OF PREPARING THE SAME

Wolffe Harry Feinstone, Seymour, Ind., assignor to The Central Pharmacal Company, Seymour, Ind., a corporation of Indiana

No Drawing. Application April 29, 1949, Serial No. 90,547

12 Claims. (Cl. 260—434)

1. An aliphatic amino acid salt of ortho (hydroxymercurimethoxypropylcarbamyl) phenoxy acetic acid.

2,581,398

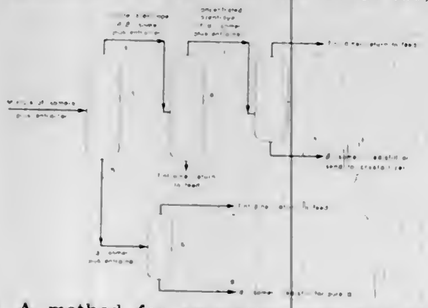
METHOD FOR THE SEPARATION OF α-METHYL NAPHTHALENE FROM β-METHYL NAPHTHALENE BY AZEOTROPIC DISTILLATION

Julian Feldman and Milton Orchin, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior

Original application February 9, 1950, Serial No. 143,288. Divided and this application August 28, 1951, Serial No. 244,084

5 Claims. (Cl. 202—42)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method for separating α-methyl naphthalene from β-methyl naphthalene comprising the steps of adding an entrainer comprising 2-amino-3-methyl pyridine to a mixture containing these isomers, and distilling the resultant mixture at a subatmospheric pressure selected so that said 2-amino-3-methyl pyridine forms an azeotrope at least with β-methyl naphthalene.

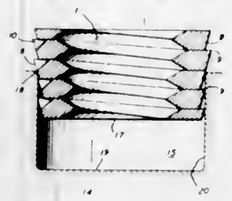
2,581,399

THREAD INSERT FOR MOLDED OR CAST MATERIAL

John O. Forster, Long Island City, N. Y., assignor, by mesne assignments, to Heli-Coil Corporation, Long Island City, N. Y., a corporation of Delaware

Application November 3, 1947, Serial No. 783,823

1 Claim. (Cl. 85—32)



A screw thread insert for a cylindrical hole in a boss member consisting of a wire helically wound so as to form a cylindrical coil having an extreme outer diameter slightly larger than the diameter of the hole for which the coil is destined, the wire of the coil having an inner thread-forming portion and having an outer portion including one outer face substantially at right angles to the coil axis and another outer face slightly slanted in relation to the coil axis at an angle of not more than 30° so that each convolution is slightly tapered toward the one coil end which is leading when the coil is being inserted, said taper being such as to cause contraction of a convolution if an axial pressure is exerted on its said slanted face from the side of said coil end, and the helical edge formed by said outer faces being provided with a plurality of teeth-forming recesses each of which having a pair of flanks symmetrical with respect to the center line of the recess.

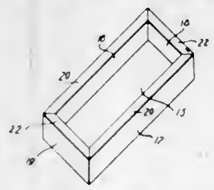
2,581,400

CARTON

William Glidden Freel and Samuel Floyd Jones, London, Ontario, Canada, assignors to William P. Frankenstein, Cincinnati, Ohio

Original application January 21, 1941, Serial No. 375,306. Divided and this application September 9, 1947, Serial No. 772,972. In Canada January 19, 1940

3 Claims. (Cl. 229—33)



1. In a carton of the class described the combination of a bottom panel, side walls along two opposed sides of said bottom panel, each comprising an upstanding inner wall member integrally hingedly connected to said bottom panel and an outer wall member integrally hingedly connected to the inner wall member to depend in parallelism with said inner wall member, a securing flap portion hingedly connected to the lower end of the outer wall member and permanently connected to the under surface of the bottom panel, corner flaps at the ends of the side walls inner wall members adapted to be disposed transversely of the bottom panel, and end walls along the remaining two opposed sides of the bottom panel each comprising an upstanding end wall inner wall member integrally hingedly connected to said bottom panel and an end wall outer wall member integrally hingedly connected to the end wall outer wall member to depend in parallelism with said end wall inner wall member, said corner flaps being adapted to be enfolded by the end walls inner and outer wall members, and a flap at the lower end of each of the end walls outer wall members adapted to be inserted between the corner flaps and end wall inner wall member of its end wall for releasably securing the end walls in position.

2,581,401

TORPEDO DIRECTOR

Robert M. Freeman, United States Navy

Application April 1, 1946, Serial No. 658,724

4 Claims. (Cl. 33—46.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a torpedo director for aircraft, a front sight post, a support rotatable on a vertical axis, a horizontal pivot mounted across the axis of said support, a rod pivotally supported at one end on said horizontal pivot and having a rear sight ball at its other end, means for adjusting said rod to vary the horizontal displacement of said ball relative to said vertical axis, means for adjusting the angular position of said rotatable support to vary the azimuth of said ball relative to said vertical axis, and a model target mounted for rotation with said horizontal pivot and headed in the direction of the azimuth of said ball.

2,581,402

STABILIZED REDOX COMPOSITIONS

Charles F. Fryling, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application April 24, 1947, Serial No. 743,717

14 Claims. (Cl. 260—84.1)

1. In the production of synthetic rubber by the polymerization in an aqueous emulsion of a monomeric material comprising a major amount of a polymerizable 1,3-diolefin and a minor amount of an unsaturated organic compound copolymerizable therewith in aqueous emulsion, said polymerization being conducted in the presence of a redox composition comprising an oxidant, a reductant, and an iron pyrophosphate catalyst therefor, the improvement which comprises employing as said oxidant a peroxide material and as said reductant and iron pyrophosphate an aqueous solution prepared by dissolving in water sodium pyrophosphate, a soluble ferric pyrophosphate, and a reducing sugar, heating said solution to its boiling point at atmospheric pressure and boiling same for a period of about 5 to about 60 minutes, and subsequently incorporating the resulting solution in said polymerization in an amount that, per 100 parts of monomeric material, the added solution contains about 0.1 to about 0.35 part of ferric pyrophosphate, about 0.5 to about 3 parts of sodium pyrophosphate, and about 1 to about 4 parts of said reducing sugar.

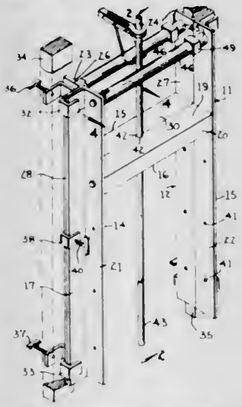
2,581,403

CONCRETE FORM CLAMP

Elmer T. Gabrielson, Yacolt, Wash.

Application October 20, 1950, Serial No. 191,168

3 Claims. (Cl. 25—131)



1. A concrete form clamp device of the character described comprising a generally H-shaped frame having a pair of spaced side legs and a crossbar connecting the intermediate portions of said side legs, the lower portions of said side legs being adapted to be secured to respective parallel plate members defining the walls of a concrete form, a first shaft element rigidly secured to the top portion of one of said side legs and extending parallel to said crossbar, a second shaft element rotatably secured to the top portion of the other side leg coaxially with and engaging the first shaft element, and interengaging cam means on the abutting end portions of said shaft elements arranged to vary the spacing between the top ends of the side legs responsive to rotation of said second shaft element.

2,581,396

STABILIZER FOR ROTARY WING AIRCRAFT

Frank A. Erickson, Elizabeth City, N. C.

Original application December 5, 1947, Serial No. 790,005. Divided and this application August 9, 1951, Serial No. 241,148

1 Claim. (Cl. 244—17.19)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a helicopter, a fuselage, a sustaining rotor mounted upon the fuselage, cyclic pitch control means for the sustaining rotor including a non-rotatable swash plate section, stabilizer vanes mounted upon the non-rotatable swash plate section, a variable pitch torque compensating rotor mounted upon the fuselage, a directional stabilizer vane mounted upon the fuselage, means to vary the pitch of the torque compensating rotor, and connecting means between the directional stabilizer vane and said means to vary the pitch of the torque compensating rotor in response to changes in airflow relative to said directional stabilizer vane.

2,581,397

AMINO ACID SALTS OF MERSALYL AND METHOD OF PREPARING THE SAME

Wolffe Harry Feinstone, Seymour, Ind., assignor to The Central Pharmacal Company, Seymour, Ind., a corporation of Indiana

No Drawing. Application April 29, 1949, Serial No. 90,547

12 Claims. (Cl. 260—434)

1. An aliphatic amino acid salt of ortho (hydroxymercurimethoxypropylcarbamyl) phenoxy acetic acid.

2,581,398

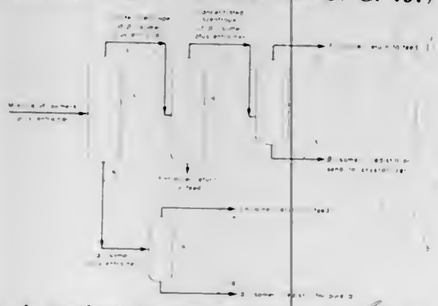
METHOD FOR THE SEPARATION OF α-METHYL NAPHTHALENE FROM β-METHYL NAPHTHALENE BY AZEOTROPIC DISTILLATION

Julian Feldman and Milton Orchin, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior

Original application February 9, 1950, Serial No. 143,288. Divided and this application August 28, 1951, Serial No. 244,084

5 Claims. (Cl. 202—42)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method for separating α-methyl naphthalene from β-methyl naphthalene comprising the steps of adding an entrainer comprising 2-amino-3-methyl pyridine to a mixture containing these isomers, and distilling the resultant mixture at a subatmospheric pressure selected so that said 2-amino-3-methyl pyridine forms an azeotrope at least with β-methyl naphthalene.

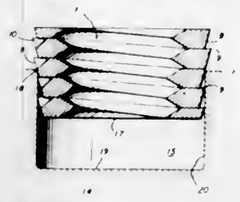
2,581,399

THREAD INSERT FOR MOLDED OR CAST MATERIAL

John O. Forster, Long Island City, N. Y., assignor, by mesne assignments, to Heli-Coil Corporation, Long Island City, N. Y., a corporation of Delaware

Application November 3, 1947, Serial No. 783,823

1 Claim. (Cl. 85—32)



A screw thread insert for a cylindrical hole in a boss member consisting of a wire helically wound so as to form a cylindrical coil having an extreme outer diameter slightly larger than the diameter of the hole for which the coil is destined, the wire of the coil having an inner thread-forming portion and having an outer portion including one outer face substantially at right angles to the coil axis and another outer face slightly slanted in relation to the coil axis at an angle of not more than 30° so that each convolution is slightly tapered toward the one coil end which is leading when the coil is being inserted, said taper being such as to cause contraction of a convolution if an axial pressure is exerted on its said slanted face from the side of said coil end, and the helical edge formed by said outer faces being provided with a plurality of teeth-forming recesses each of which having a pair of flanks symmetrical with respect to the center line of the recess.

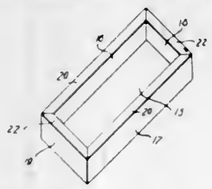
2,581,400

CARTON

William Glidden Freel and Samuel Floyd Jones, London, Ontario, Canada, assignors to William P. Frankenstein, Cincinnati, Ohio

Original application January 21, 1941, Serial No. 375,306. Divided and this application September 9, 1947, Serial No. 772,972. In Canada January 19, 1940

3 Claims. (Cl. 229—33)



1. In a carton of the class described the combination of a bottom panel, side walls along two opposed sides of said bottom panel, each comprising an upstanding inner wall member integrally hingedly connected to said bottom panel and an outer wall member integrally hingedly connected to the inner wall member to depend in parallelism with said inner wall member, a securing flap portion hingedly connected to the lower end of the outer wall member and permanently connected to the under surface of the bottom panel, corner flaps at the ends of the side walls inner wall members adapted to be disposed transversely of the bottom panel, and end walls along the remaining two opposed sides of the bottom panel each comprising an upstanding end wall inner wall member integrally hingedly connected to said bottom panel and an end wall outer wall member integrally hingedly connected to the end wall outer wall member to depend in parallelism with said end wall inner wall member, said corner flaps being adapted to be enfolded by the end walls inner and outer wall members, and a flap at the lower end of each of the end walls outer wall members adapted to be inserted between the corner flaps and end wall inner wall member of its end wall for releasably securing the end walls in position.

2,581,401

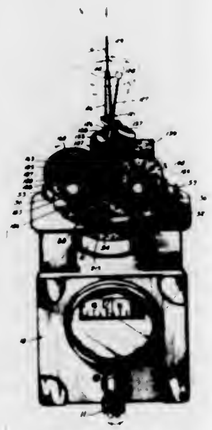
TORPEDO DIRECTOR

Robert M. Freeman, United States Navy

Application April 1, 1946, Serial No. 658,724

4 Claims. (Cl. 33—46.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a torpedo director for aircraft, a front sight post, a support rotatable on a vertical axis, a horizontal pivot mounted across the axis of said support, a rod pivotally supported at one end on said horizontal pivot and having a rear sight ball at its other end, means for adjusting said rod to vary the horizontal displacement of said ball relative to said vertical axis, means for adjusting the angular position of said rotatable support to vary the azimuth of said ball relative to said vertical axis, and a model target mounted for rotation with said horizontal pivot and headed in the direction of the azimuth of said ball.

2,581,402

STABILIZED REDOX COMPOSITIONS

Charles F. Fryling, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application April 24, 1947, Serial No. 743,717

14 Claims. (Cl. 260—84.1)

1. In the production of synthetic rubber by the polymerization in an aqueous emulsion of a monomeric material comprising a major amount of a polymerizable 1,3-diolefin and a minor amount of an unsaturated organic compound copolymerizable therewith in aqueous emulsion, said polymerization being conducted in the presence of a redox composition comprising an oxidant, a reductant, and an iron pyrophosphate catalyst therefor, the improvement which comprises employing as said oxidant a peroxide material and as said reductant and iron pyrophosphate an aqueous solution prepared by dissolving in water sodium pyrophosphate, a soluble ferric pyrophosphate, and a reducing sugar, heating said solution to its boiling point at atmospheric pressure and boiling same for a period of about 5 to about 60 minutes, and subsequently incorporating the resulting solution in said polymerization in an amount that, per 100 parts of monomeric material, the added solution contains about 0.1 to about 0.35 part of ferric pyrophosphate, about 0.5 to about 3 parts of sodium pyrophosphate, and about 1 to about 4 parts of said reducing sugar.

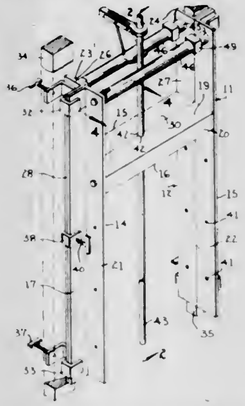
2,581,403

CONCRETE FORM CLAMP

Elmer T. Gabrielson, Yacolt, Wash.

Application October 20, 1950, Serial No. 191,168

3 Claims. (Cl. 25—131)

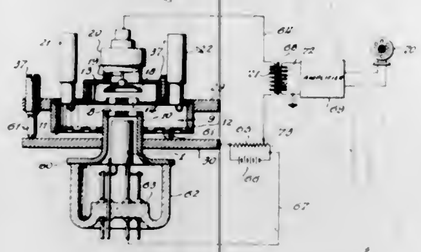


1. A concrete form clamp device of the character described comprising a generally H-shaped frame having a pair of spaced side legs and a crossbar connecting the intermediate portions of said side legs, the lower portions of said side legs being adapted to be secured to respective parallel plate members defining the walls of a concrete form, a first shaft element rigidly secured to the top portion of one of said side legs and extending parallel to said crossbar, a second shaft element rotatably secured to the top portion of the other side leg coaxially with and engaging the first shaft element, and interengaging cam means on the abutting end portions of said shaft elements arranged to vary the spacing between the top ends of the side legs responsive to rotation of said second shaft element.

2,581,404
HIGH-FREQUENCY MODULATOR APPARATUS

Edward L. Ginzton, Redwood, Calif., assignor to The Sperry Corporation, a corporation of Delaware

Original application January 29, 1942, Serial No. 428,682, now Patent No. 2,414,785, dated January 21, 1947. Divided and this application December 14, 1946, Serial No. 716,212
11 Claims. (Cl. 332—6)

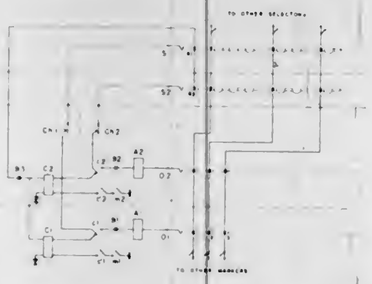


1. High frequency modulator apparatus comprising a cavity resonator, means for projecting an electron stream through said resonator for effecting regularly-recurrent velocity changes in the electron stream, a reflecting electrode means positioned in the path of said stream for reflecting the stream back into said resonator in the form of regularly-recurrent bunches whereby oscillations are produced, said apparatus having a frequency versus reflector voltage characteristic with a substantially linear portion, and means for maintaining the direct current potential of said reflecting electrode at substantially the center value of said linear portion of said characteristic, and means for varying the potential of said reflecting electrode in response to intelligence signals to effect frequency modulation of the oscillations of said resonator by said signals.

2,581,405
MARKER-CONTROLLED SELECTOR SYSTEM

Fernand P. Gohorel and Gabriel J. M. Penet, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application February 14, 1947, Serial No. 728,632
In France August 31, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 31, 1965
16 Claims. (Cl. 179—18)



1. In an automatic switching system, means for establishing connections between calling and called lines comprising a selector having groups of terminals and at least one reference terminal, wipers for said terminals, means for moving said wipers over said terminals, a marker having a plurality of contacts, means for causing said marker to select a contact, marker wires multiplied to said selector terminals and said marker contacts, a normally ineffective circuit including the marker wire connected to the selected marker contact for stopping said wiper-moving means, and means for making said stopping circuit effective only after said selector wipers have moved over a reference terminal.

2,581,406
SEPARATION OF INDIVIDUAL PHENOLS FROM A MIXTURE OF ISOMERIC, HOMOLOGOUS, OR OTHER CLOSELY RELATED PHENOLS

Calvin Golumbic and Milton Orchin, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior

Application May 4, 1949, Serial No. 91,382
9 Claims. (Cl. 260—627)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In the process of separating mixtures of phenols into individual phenols by counter-current distribution, involving the steps of agitating and intimately contacting a mixture of structurally closely related phenols with liquids which are immiscible under the conditions of separation and possess different densities, one of said liquids being an organic liquid possessing solvent properties for each of the phenols and the other of the liquids being a buffered aqueous solution possessing different solvent properties for these phenols, the partition coefficient in these two solvents being different for each phenol in the mixture, permitting stratification after this intimate mixing, separating the upper extract phase from the lower extract phase, and successively extracting said upper extract phase with fresh quantities of that solvent which is denser with respect to said upper extract phase and successively extracting said lower extract phase with fresh quantities of that solvent which is lighter with respect to said lower extract phase, while employing the denser phase extracts resulting from said successive extractions of said upper extract phase to successively extract the lighter phase extracts resulting from said successive extractions of said lower extract phase, the improvement which consists in employing a buffered aqueous solution which has a pH value in the order of 11, whereby the partition coefficients of the individual phenols, and the ratios of the partition coefficients of the individual phenols, are shifted to values most favorable to the separation of the mixture of phenols into its individual components.

2,581,407
JOINT LUBRICANT AND SEALING COMPOSITION

George M. Hain, United States Navy

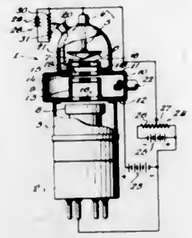
No Drawing. Application December 11, 1945, Serial No. 634,344
7 Claims. (Cl. 252—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. A sealing composition comprising from about 45 to 90% by weight of a high viscosity, low volatility polybutene of molecular weight within the range of about 3000 to 10,000, from about 10 to 50% by weight of a finely divided solid lubricant dispersed therein, and from about 0.5 to 5% by weight of a compatible dispersing agent for the solid lubricant.

2,581,408
HIGH-FREQUENCY ELECTRON DISCHARGE DEVICE

Donald R. Hamilton, Princeton, N. J., assignor to The Sperry Corporation, a corporation of Delaware

Application April 16, 1947, Serial No. 741,895
16 Claims. (Cl. 315—5)

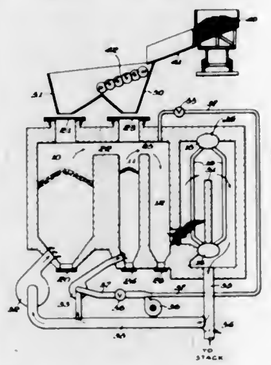


1. An ultra-high-frequency electron-discharge device comprising a resonator having a pair of aligned electron permeable walls, a cathode disposed on one side of said resonator and aligned with said walls, a reflector disposed on the other side of said resonator and a secondary-emissive grid structure intermediate said resonator and said reflector.

2,581,409
METHOD OF DRY QUENCHING COKE

Earl V. Harlow, Beaver, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

Application August 17, 1948, Serial No. 44,663
1 Claim. (Cl. 202—37)

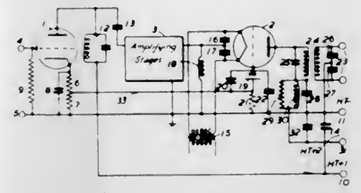


In a process wherein hot coke is cooled by recycling an inert gas through a bed of said coke and through an indirect heat transfer zone, the improvement which comprises segregating the hot coke into fine and coarse components, passing said coarse and fine components through individual zones as separate downwardly moving beds, passing separate streams of cool inert gas upwardly through each of said beds, mingling the streams of heated inert gas from the tops of said beds and thereafter passing the commingled stream to and through the indirect heat transfer zone and maintaining the amount of heat supplied to said indirect heat exchange zone constant during variations in the rate of flow of the coke by adding a regulated amount of air to the stream of inert gas passing upwardly through the bed of fine components of the coke and thus burning a portion of the fine components of the coke.

2,581,410
ELECTRIC WAVE AMPLIFIER

Louis John Heaton-Armstrong, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application March 3, 1949, Serial No. 79,466
In Great Britain March 5, 1948
4 Claims. (Cl. 179—171)



1. An electric wave amplifier comprising an input stage, a power stage including a tube having a grid electrode, said power stage adapted to be excited by said input stage, said grid electrode adapted to draw current when excited to a predetermined level, an alternating current bypass condenser and a resistance connected in parallel and serially connecting said grid electrode to ground, a connection between said grid electrode and said input stage for feeding back a voltage in positive phase to compensate for the additional load on said input stage caused by the drawing of current of said grid electrode.

2,581,411
BUFFING WHEEL

Fritz E. Hendrickson, South Elgin, Ill., assignor of fifty per cent to Murray Ireland, Elgin, Ill.

Application May 14, 1947, Serial No. 748,085
4 Claims. (Cl. 51—193)



1. In combination in a composite buffing wheel, a hub having means providing a radially extending throat, a folded buffing section extending through the throat, the fold lying radially inward therefrom, and a rigid body lying in the fold supported thereby and movable therewith for enlarging said fold to prevent its passage outward through the throat to thereby retain said buffing section on said hub.

2,581,412
GEOPHYSICAL EXPLORATION

Gerhard Herzog, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application July 6, 1948, Serial No. 37,301
16 Claims. (Cl. 250—83.6)

1. In geophysical exploration, the improvement which comprises determining the spectrum of natural neutrons emitted from an earth mass.

2,581,413

PRODUCTION OF DRYING OILS

John C. Hillyer, Bartlesville, Okla., and James T. Edmonds, Sunflower, Kans., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application October 8, 1947, Serial No. 778,720
9 Claims. (Cl. 260—407)

1. A process for the condensation of an unsaturated glyceride oil with an aliphatic conjugated polyolefin to produce an improved drying oil, which comprises heating from 0.5 to 4.0 parts by weight of an unsaturated glyceride oil with one part by weight of such an aliphatic conjugated polyolefin having at least 4 and not more than 10 carbon atoms per molecule, under pressure sufficient to maintain a liquid phase, at a temperature within the limits of 200 to 350° F. and for a period of from 2 to 20 hours, whereby said polyolefin reacts with said unsaturated glyceride oil to form a condensate; removing unreacted aliphatic conjugated polyolefin and separately heating a resulting condensation product of said polyolefin and said oil at a temperature within the limits of from 350 to 600° F. for a period of from 1 to 10 hours, whereby the said condensation product is stabilized and bodied; and recovering stabilized condensation product as said improved drying oil.

2,581,414

PROCESS FOR DISPERSING PIGMENTS IN FILM-FORMING MATERIALS

Seymore Hochberg, Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application August 13, 1948, Serial No. 44,152
4 Claims. (Cl. 241—22)

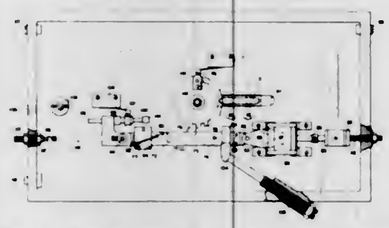
1. The method of dispersing a commercial pigment in a film-forming material, which comprises agitating the pigment and film-forming material with a sand which is of 20–40 mesh size, and remains within about this size range, the agitating being continued until the commercial size pigment is reduced to a fineness of not more than 0.0005 inch when measured on a scrape-type fineness of grind tester that is graduated from 0.002 to 0.0000 inch, and separating the sand from the dispersed pigment and film-forming material.

2,581,415

SAW-SETTING MACHINE

Henry E. Hull, Worthington, Ohio, assignor, by mesne assignments, to Ohlen-Bishop Manufacturing Company, Columbus, Ohio, a corporation of Ohio

Application July 19, 1949, Serial No. 105,560
9 Claims. (Cl. 76—58)



1. In an apparatus for setting the teeth of circular saw blades, a forming member, a rotatable, circular support for said circular saw blade having a shaped surface coincident with the teeth of the circular saw and forming an anvil for cooperation with said forming member to set the saw teeth, and means for rotating said base to bring successive preselected teeth of the saw into registry with said forming member.

2,581,416

SPRING SHOCK AND VIBRATION ISOLATOR

James W. Irby, Dayton, and Wilbur Johannesburg, Cleveland Heights, Ohio, assignors to the United States of America as represented by the Secretary of War

Application October 2, 1945, Serial No. 619,910
1 Claim. (Cl. 248—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



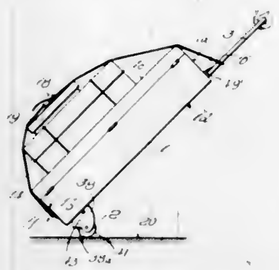
In a vibration isolator, two spirally wound conical springs having intermediate helices axially spaced at greater distances than the remaining helices and succeeding helices of such respective diameters as to allow telescoping thereof, means for anchoring base helices of said springs in operative position, means for anchoring apex helices of said springs in operative position, a cantilever type helper spring operatively connected to each of said two coils and means for anchoring said helper spring in operative position.

2,581,417

LUGGAGE CARRIER HAVING PROJECTABLE AND RETRACTIBLE SUPPORTING ROLLERS

Wendell Cooley Jones, Woodstock, N. Y.

Application July 29, 1948, Serial No. 41,369
5 Claims. (Cl. 280—38)



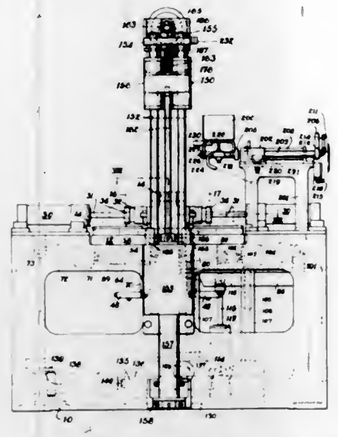
1. A luggage carrier comprising a case substantially in the form of a parallelepiped having one of the walls thereof slotted at spaced positions adjacent one end of the carrier, a fitting disposed in each of the slotted portions of the carrier, a frame pivotally mounted in each of said fittings adjacent the end of the carrier, each of said fittings including a base portion adapted to extend in coplanar relation with the side wall of said carrier when said frame members are moved to retracted position within the carrier, a roller member journaled in each of said frame members and adapted to support the load of said carrier when said frame members are moved to projected position, a pair of spaced tubular members disposed within said carrier adjacent one wall thereof and connected with each of said fittings, and a handle member projectable into and extendible in said tubular members.

2,581,418

MACHINE FOR CASTING HOLLOW ARTICLES

George C. Kohl, University Heights, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Continuation of application Serial No. 781,794, October 24, 1947. This application August 9, 1950, Serial No. 178,520
11 Claims. (Cl. 22—57)



7. In a cup-shaped article casting mechanism comprising a mold having a cavity and a sectional core extending into said cavity and defining the interior surface of the cup-shaped article, said sectional core comprising oppositely disposed side sections and an axially withdrawable central section, the improvement comprising a rectilinearly inclined support for each side core section having a slight downward incline below said mold, a complementary inclined surface on each side core in bearing relationship on its support, and means for translating each side core downwardly and inwardly in a rectilinear path along its inclined support into abutting position in the space vacated by the central core section.

2,581,419

PROCESS FOR PRODUCING RIBOFLAVIN

David A. Legg and Samuel C. Beesch, Philadelphia, Pa., assignors to Publicker Industries, Inc., Philadelphia, Pa.

No Drawing. Application October 9, 1945, Serial No. 621,384
5 Claims. (Cl. 195—42)

1. A process for producing substances having relatively high riboflavin content which comprises preparing an aqueous mash containing approximately 4–6% of granular wheat flour and fermenting the mash with *Clostridium acetobutylicum*.

2,581,420

ALLOYS

James M. Lohr, Morristown, N. J., assignor to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application September 23, 1949, Serial No. 117,510
8 Claims. (Cl. 75—171)

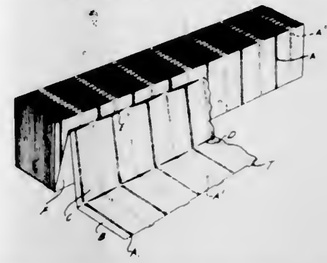
1. A nickel - chromium - iron alloy consisting essentially of 50 to 70 percent nickel, 10 to 25 percent chromium, .01 to .20 percent calcium, .01 to 1.0 percent aluminum, a trace to .50 percent of a rare earth metal, balance essentially iron.

2,581,421

METHOD AND APPARATUS FOR MAKING STRUCTURAL ELEMENTS

Nathaniel A. Lombard, Glendale, and Thomas L. Taggart, Beverly Hills, Calif.; said Lombard assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.

Application April 27, 1948, Serial No. 23,486
33 Claims. (Cl. 154—1)



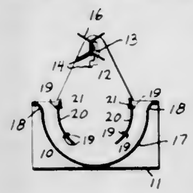
15. Apparatus for manufacturing from a continuous web a multi-cellular, multi-layer pack, including: means at the input end of the apparatus for supporting a supply of the web material; means operatively associated therewith for advancing the web therefrom; means operatively associated with the opposite faces of the advancing web for applying to opposite faces of the advancing web, longitudinally extending lines of an adhesive with the lines on the one face relatively spaced in staggered relationship to the lines on the other face; means for incising the advancing web in transversely extending, longitudinally equidistant, lines of slits with the slits in adjacent lines so mutually staggered laterally that the slits in one of said adjacent lines of slits are bisected by the lines of adhesive on one face of said web and the slits in the other of said adjacent lines are bisected by the lines of adhesive on the other face of said web; means for folding the advancing web alternately in opposite directions on said lines of incisions; means disposed onwardly of said advancing and folding means for stacking the folds contiguously to unite the same in the first said lines to form a depthwise and breadthwise multi-cellular, longitudinally compact mass; and means for severing the thus-produced mass from the web.

2,581,422

POULT FEED SAVER

Melvin J. Luse, Moville, Iowa

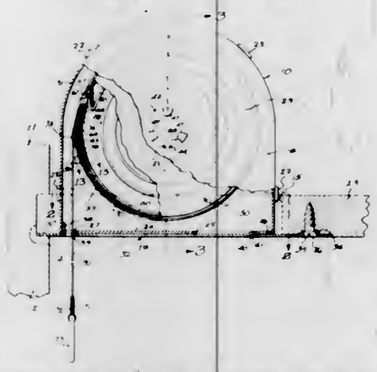
Application December 30, 1949, Serial No. 135,881
1 Claim. (Cl. 119—61)



A poult feed saver comprising a semi-cylindrical trough, a pair of arcuate partitions concentric with said cylindrical trough and inwardly spaced therefrom for providing substantially arcuate passageways for feed spilled over said arcuate partitions, there being an open space at the bottom of said partitions to provide means for containing feed in said trough, end members attached to said trough, said end members having

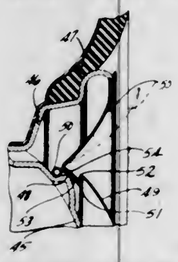
ears struck outwardly therefrom, said ears lying adjacent to said arcuate partitions for allowing removal and insertion of said partitions, said partitions having ears extending therefrom for bearing against said end ears to support said partitions.

2,581,423
SPRING SASH BALANCE
Peter A. Lustig, Detroit, Mich., assignor to Star Products Company, Detroit, Mich., a corporation of Michigan
Application May 3, 1946, Serial No. 667,135
1 Claim. (Cl. 16—198)



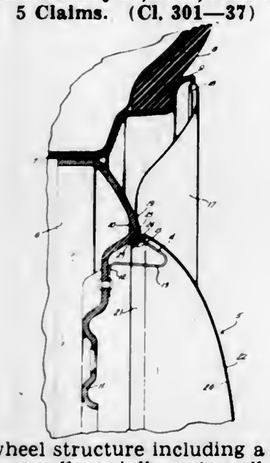
A spring sash balance comprising a casing, an axle mounted in said casing, a drum mounted in said casing comprising a pair of oppositely disposed cupped cylindrical members having peripheral flanges arranged in nesting engagement and engaging said axle at axially spaced locations thereon, a spring within said drum connected at one end to said axle and at the other end to said drum, and an elongated flexible element connected to said drum and windable on the outside of the outermost flange for attachment to the sash, one of said drum members having a peripheral recess and the other drum member having a peripheral projection extending into said recess whereby to retain said members in nesting engagement.

2,581,424
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application September 21, 1946, Serial No. 698,585
10 Claims. (Cl. 301—37)



1. In a wheel structure including a wheel body and a tire rim, a cover assembly including inner and outer cover members wherein the outer cover member constitutes a trim ring adapted to conceal the tire rim and the inner cover member has means thereon retainingly engageable with the wheel and bears against the wheel body, said outer cover member being formed from resiliently flexible material and having an inner marginal flange divergently related to the body of the outer cover member, said flange extending in generally radially inwardly and axially outward direction and interlockingly engaging said inner cover member, said flange being releasable from the interlocking relation with the inner cover member by turning a portion of the outer cover member flexibly upon itself and pulling radially inwardly thereon.

2,581,425
WHEEL STRUCTURE
George Albert Lyon, Detroit, Mich.
Application February 15, 1949, Serial No. 76,477
5 Claims. (Cl. 301—37)

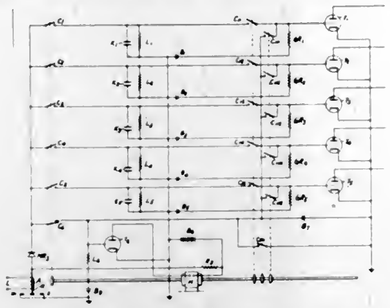


1. In a wheel structure including a wheel body having a generally axially outwardly extending annular reinforcing nose bulge and a tire rim supported by the wheel body, a cover for substantially completely concealing the outer side of the wheel including a one piece disk having an outer marginal trim ring portion of generally convex cross-section with the outer margin turned under and providing a finishing and reinforcing bead and the inner portion thereof being of concave cross-section providing a seat on its inner side against the reinforcing nose bulge of the wheel body, the central portion of the cover member being of convex crowned shape, a folded juncture joining the outer marginal portion and the crowned portion and extending generally axially and radially inwardly and bearing against the radially inner side of the nose bulge, spring clips carried by the central portion of the wheel body and retainingly engaging said folded juncture and bearing generally axially inwardly and radially outwardly against said folded juncture to retain the cover seated on said nose bulge.

2,581,426
ARRANGEMENT FOR RECEIVING TELEGRAPH IMPULSES
Frederick Percival Mason, Croydon, England, assignor to Creed and Company Limited, Croydon, England, a British company
Application December 13, 1946, Serial No. 716,150
In Great Britain March 24, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires March 24, 1959
6 Claims. (Cl. 178—33)

1. Receiving arrangement for a printing telegraph system comprising means for registering consecutive changes in the electrical condition of a signal line during reception over the line of a signal consisting of a series of consecutive

elements each represented by a line condition, said means including a relay connected to said line and actuated by said changes, the relay having an armature shifted between two contacts by each such change, a signal registering unit including a plurality of registering elements, an operating circuit for said elements connected to the armature means for rendering the operating



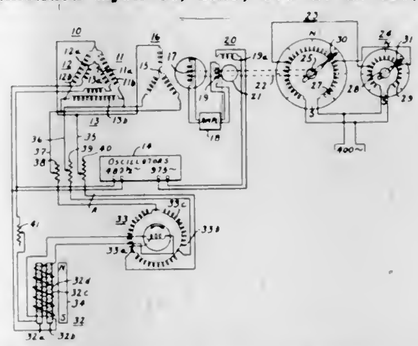
circuit effective only wnen the armature is out of engagement with said contacts, and means for connecting the operating circuit to said registering elements in succession during the periods of change-over from one signal element to the next; and means controlled by the registering means for producing corresponding simultaneous changes in the electrical conditions of a plurality of printing telegraph control lines.

2,581,427
LIQUID LEVEL GAUGE FOR BALLAST TANKS
Joseph N. Matthews, Lakewood, Ohio
Application May 24, 1947, Serial No. 750,328
2 Claims. (Cl. 73—302)



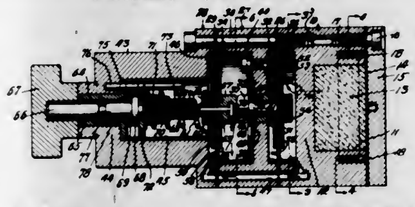
1. In a system for determining at an operating station the liquid levels in the ballast tanks of a ship consisting of a plurality of pipes, each depending vertically into one of the tanks and terminating at a position adjacent the bottom thereof, each said pipe having an unobstructed lower open end to permit intake of liquid into said pipe and discharge of liquid therefrom, a source of supply of a gaseous medium under pressure, gaseous medium supply connections between said source of supply and said depending pipes consisting of a main conduit leading from said source of supply and branch conduits connected to and leading from said main conduit to the upper ends of said depending pipes, respectively, a pressure regulating valve in said main conduit, a gage having connection with said main conduit outwardly of said valve, and a valve mechanism in said connections outwardly of the connection of said gage with said main conduit and arranged to selectively supply the gaseous medium to each depending pipe to displace all of the liquid therein, and indicate the pressure on said gage, a separate conduit provided between said source of supply of gaseous medium and said main conduit to by-pass said regulating valve, the connection of said separate conduit to said main conduit consisting of a valve arranged to simultaneously close off the supply of said medium through said main conduit and connect said separate conduit thereto, whereby upon operation of said valve mechanism the gaseous medium may be supplied direct from said source of supply to each of said branch conduits to displace sediment and foreign matter accumulated therein.

2,581,428
COMPASS CORRECTION SYSTEM
Thomas O'Connell McCarthy, Pawling, N. Y.
Continuation of application Serial No. 535,529, May 13, 1944. This application July 11, 1949, Serial No. 104,122
24 Claims. (Cl. 33—224)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



18. An earth-inductor-compass system, comprising a multi-leg fluxgate, indicator means connected to said fluxgate for indicating the azimuthal position of said fluxgate, a source of alternating current for energizing said fluxgate, means including a control transformer having a plurality of generally angularly related secondary windings and a relatively movable primary winding and adapted to be energized with alternating current from said source, and means combining the output of the secondary windings of said control transformer with the output of angularly corresponding legs of said fluxgate.

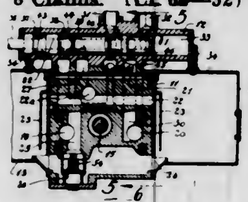
2,581,429
FLUID PRESSURE REGULATOR AND VALVE STRUCTURE THEREOF
Franklin Meyer, Jr., Philadelphia, Pa.
Application March 3, 1948, Serial No. 12,857
5 Claims. (Cl. 50—13)



1. A fluid pressure regulator comprising, in combination, a supply pressure chamber, a diaphragm defining one wall of said supply chamber, a pressure balancing chamber, another diaphragm defining one wall of said balancing chamber, a delivery chamber interposed between said diaphragms with one wall thereof defined by said balancing chamber diaphragm on the side opposite that which defines one wall of said balancing chamber, means isolating said supply chamber diaphragm from fluid in said delivery chamber, rigid means interposed between said diaphragms to permit transmission of pushing

force from one to the other, means providing a supply fluid inlet passage to said supply chamber and a communicating passage between that chamber and said balancing chamber, means providing a delivery passage leading from said balancing chamber to said delivery chamber and from the latter, valve means upstream of said delivery chamber for controlling flow through the delivery passage including a movable valve element connected to said balancing chamber diaphragm and a relatively fixed cooperating valve element, regulating spring means for biasing said movable valve element toward open position, and means to adjust the biasing force of said spring means.

2,581,430
FLUID PRESSURE CONTROL VALVE AND ASSOCIATED PARTS
George W. Mork and Gottfried Reuter, South Milwaukee, Wis., assignors to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application January 23, 1946, Serial No. 642,924
8 Claims. (Cl. 60—52)



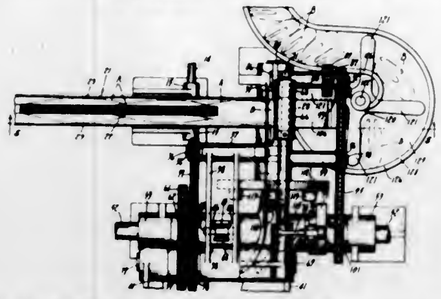
1. In a fluid-pressure distributing valve, the combination of: a valve-casing, having a longitudinal cylindrical bore to serve as a valve seat, and having radial holes connecting with the longitudinal bore, to serve as ports; and an axially movable cylindrical plunger snugly fitting in the longitudinal bore, said plunger having an axial bore, external annular depressions separated by annular lands, and radial holes connecting some of these depressions with the axial bore in the plunger; said distributing valve being further characterized by the fact that the radial holes in the casing are in aligned opposing pairs, that there is in the casing, with respect to each such pair of radial holes, a common conduit and two separate passages, and that the two radial holes of each such pair are connected each by one of said separate passages to said common conduit perpendicular to said radial holes, and that said two radial holes and said two passages are symmetrical with respect to the center-line of said common conduit.

2,581,431
RADIOGRAPHIC APPARATUS
Robert J. Nelsen, Seattle, Wash.
Application September 12, 1949, Serial No. 115,191
6 Claims. (Cl. 250—64)



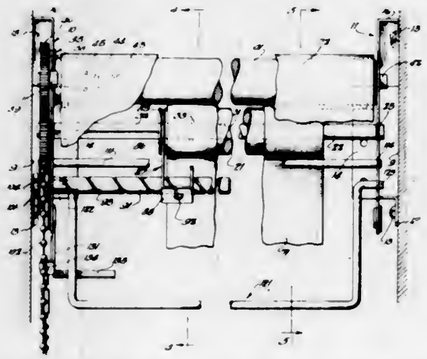
1. Radiographic apparatus for use in connection with a housing enclosing a source of X-rays, comprising: an extension tube for positioning in front of said housing with its longitudinal axis coincident with the axis of the beam of X-rays emanable from said source, means for attaching said tube to said housing, said tube being transparent and having along its longitudinal axis a radiolucent, visible filament extending substantially the length of the tube, and means supporting said filament in said position.

2,581,432
CUTTER AND TRANSFER DEVICE FOR FISH CANNING MACHINES
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 27, 1946, Serial No. 679,849
8 Claims. (Cl. 17—4)



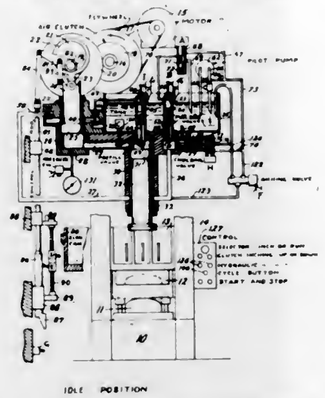
1. In a fish canning machine, the combination of cutter means for cutting fish into pieces of predetermined measured length, a conveyor for feeding fish into said cutter means, a stop plate gauge located beyond said conveyor and in the path of the fish for gauging the length of fish to be cut, a pivotally mounted support adjacent said cutter means for supporting the pieces of fish to be cut off while being gauged and while being cut, a rotatable turret adjacent said cutter means and having a plurality of pockets for receiving the cut fish pieces and for turning them into a different position, a transfer finger for engaging the fish pieces after cutting and for moving them into a turret pocket, and a rotatable feeding device having a plurality of feeding fingers movable through the pockets of said turret for removing the turned fish pieces from said turret and for advancing them in their turned position for canning.

2,581,433
WINDOW SHADE
John North and Esther North, Chicago, Ill.
Application September 29, 1945, Serial No. 619,394
19 Claims. (Cl. 160—120)



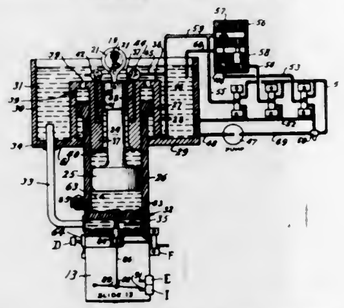
6. A window shade comprising in combination a plurality of flexible sheets, each sheet having a plurality of non-transparent vertically disposed stripes alternated with a plurality of vertically disposed transparent stripes, the said sheets being disposed in parallel relation, and means for effecting shifting of the sheets relative to one another in a lateral direction.

2,581,434
PRESS FOR METAL STAMPING
Alois Karl Nowak, Evanston, Ill.
Application November 5, 1947, Serial No. 784,123
24 Claims. (Cl. 60—54.5)



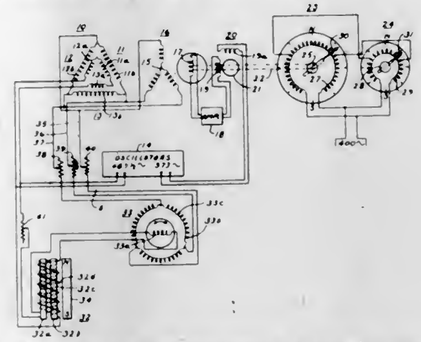
14. In a draw press, the combination of a slide, an intermittently operated mechanical drive for the slide including a device for applying variable pressure during the draw stroke, an extensible connection between the drive and the slide, means independent of said drive for extending said connection to move the slide from full open position through a substantial part of its approach stroke, means responsive to a predetermined extension of said connection for starting the mechanical drive, and means for returning the slide to said full open position.

2,581,435
PRESS WITH MECHANICAL DRIVE HAVING HARMONIC MOTION AND HYDRAULIC TRANSMISSION
Alois Karl Nowak, Evanston, Ill.
Application March 31, 1948, Serial No. 18,110
14 Claims. (Cl. 60—54.5)



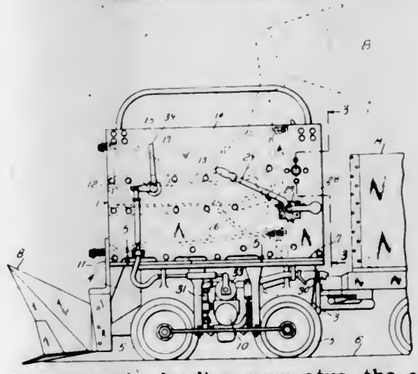
6. In a press, a slide, a mechanical drive for the slide having harmonic motion, and a hydraulic transmission and pullback between the drive and the slide, including a piston movable with the drive, a combination piston and cylinder member movable with the slide and telescopically receiving the piston, and a relatively fixed cylinder telescopically receiving said member, and means for filling and venting the transmission and pullback under controlled conditions during the press cycle.

2,581,436
MOTION TRANSMISSION SYSTEM
Thomas O'Connell McCarthy, Pawling, N. Y.
Continuation of application Serial No. 554,930, September 20, 1944, which is a division of application Serial No. 535,529, May 13, 1944. This application June 21, 1951, Serial No. 232,857
10 Claims. (Cl. 318—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A system for transmission of angular motion comprising a motion transmitting device having armature and field elements, a motion repeating device having similar elements, conductive connections between the armatures of said devices, and electrical means including an induction device having a pair of relatively movable windings, adjustable impedance means connecting one said winding to said conductive connections for cyclically modifying the voltages impressed upon the armature of said repeating device from the armature of said transmitting device in accordance with the instant angular position of said transmitting device.

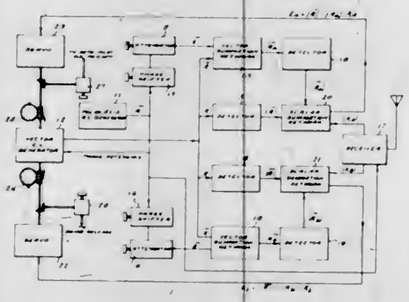
2,581,437
MATERIAL LOADING APPARATUS
Robert C. Osgood, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application December 22, 1945, Serial No. 636,811
7 Claims. (Cl. 214—132)



1. In a material loading apparatus, the combination comprising a base element, a frame element mounted on said base element to swing

horizontally with respect thereto, a shovel mounted on said frame element to swing horizontally therewith into a lateral digging position at one side of said base element and to move upwardly with respect to said frame element during the loading operation, power operated means for horizontally swinging said frame element from a lateral position into alignment with said base element, including a cam of substantial lateral extent on one element, a cam-engaging-member guided for rectilinear movement on said other element and engaging said cam in all lateral positions of said shovel relative to said base element and a power device for moving said member to cause the latter to travel along the surface of said cam, means to move said shovel upward, and control devices for effecting operation of said last mentioned means and said power device to effect movement of said frame element into its aligned position before said shovel reaches it raised discharging position.

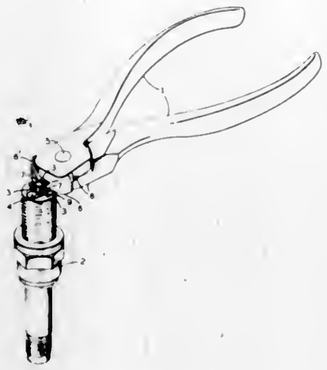
2,581,438
NAVIGATION COMPUTER AND PILOTING SYSTEM
Winslow Palmer, West Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application March 30, 1946, Serial No. 658,427
7 Claims. (Cl. 250—2)



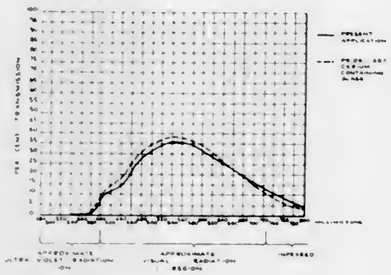
1. In a navigation system based on a system of geographic coordinates utilizing a plurality of radio transmitters and a radio receiver located at a craft, a computer comprising means for converting said received radio signals into unidirectional voltages according to the position of said craft at the interception of a pair of said geographic coordinates; alternating current means generating an electrical voltage corresponding to the absolute magnitude of an assumed electrical vector, means generating a plurality of electrical voltages corresponding to the absolute magnitudes of known positional data and means for algebraically adding said voltages to obtain a signal used in developing an electrical vector corresponding to the position of said craft from one of said stations.

2,581,439
PLIERS FOR SPARK PLUG ELECTRODES
Alex M. Pentland, United States Navy, Ann Arbor, Mich.
Application October 23, 1946, Serial No. 705,117
1 Claim. (Cl. 81—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A pliers for increasing the spark gap of a spark plug having a spark plug shell and a bendable ground electrode projection therefrom, comprising: an upper and lower pivoted jaw, arms for moving said jaws relative to each other, said jaws including a pair of flat faced opposing blocks having outwardly and downwardly projecting teeth at their forward ends, said teeth having opposing flat faces to grip said electrode therebetween, said block on the lower jaw having a flat tapered forward end on its bottom face to facilitate it functioning as a fulcrum.



2,581,440
ABSORBING GLASSES AND METHOD OF MAKING SAME
Alexis G. Pincus, Worcester, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application July 3, 1948, Serial No. 36,975
15 Claims. (Cl. 106—52)

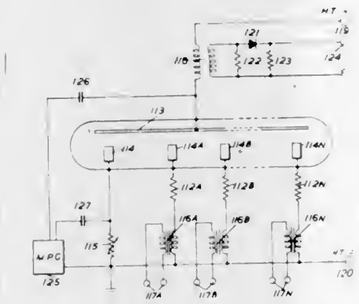


1. An infra-red and ultra-violet absorbing glass having its dominant wave length of transmission adjacent the middle part of the visible region of the spectrum, with its transmission characteristics for wave lengths on each side of said dominant wave length progressively decreasing to substantially complete absorption in the ultra-violet and infra-red regions, said glass consisting of a silica-soda-potash-lime base combined with from about 1.5 to 6.5 per cent by weight of a mixture of ferric and ferrous oxides and a small fraction of one per cent of a metal oxide selected from the group consisting of vanadium oxides, chromium oxides and mixtures thereof, the silica content comprising the predominant constituent of the glass.

2,581,441
SOLIDIFIED NONEXPLOSIVE HYDROCARBON AND PROCESS FOR PRODUCING SAME
Regis Raab, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
No Drawing. Application February 26, 1948, Serial No. 11,318
3 Claims. (Cl. 44—7)

1. A new composition of matter comprising a non-explosive mass of solidified pellets of a liquid hydrocarbon fuel that normally is highly combustible, said solidified pellets being prepared by dispersing said liquid hydrocarbon fuel in a solidifying composition in which sodium alginate, dextrine and sucrose are the sole solidifying ingredients for the hydrocarbon fuel, said solidifying composition consisting essentially of an aqueous mixture of sodium alginates consisting essentially of an unrefined sodium alginate of relatively high viscosity containing about 10 to 12% insoluble matter in the form of cellulose and a refined sodium alginate of relatively low viscosity containing dextrine and sucrose, and introducing the resulting dispersion in sub-divided form into an approximately 10% calcium chloride bath to produce a mass of solid gel pellets containing the liquid hydrocarbon fuel dispersed in and surrounded by solid protective barriers of calcium alginate, dextrine and sucrose, the total amount of sodium alginates used being about 4% by weight of the starting liquid hydrocarbon fuel.

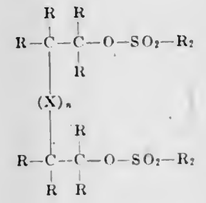
2,581,442
ELECTRIC PULSE GENERATOR
Alec Harley Reeves, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 18, 1948, Serial No. 15,581
In Great Britain March 20, 1947
10 Claims. (Cl. 332—9)



1. An electric pulse modulator comprising a discharge device having a discharge gap, means for gradually lowering the resistance of said gap, means for applying a voltage to said gap while said resistance is being lowered to a value sufficient to cause said gap to fire when the resistance has reached a predetermined level, means for applying a signal voltage to said gap for varying the effective voltage on said gap and the time of firing thereof, and means responsive to the firing of said gap for deriving an output pulse.

2,581,443
PREPARATION OF N-SUBSTITUTED NITROGEN HETEROCYCLIC BASES
Delbert D. Reynolds and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 15, 1949, Serial No. 110,468
9 Claims. (Cl. 260—247)

1. A process for preparing an N-substituted nitrogen heterocyclic base selected from the group consisting of an N-substituted piperidine, an N-substituted pyrrolidine, and an N-substituted morpholine, which comprises condensing a disulfonate compound represented by the following general formula:



wherein R represents a member selected from the group consisting of an atom of hydrogen and a methyl group, R_2 represents a member selected from the group consisting of an alkyl group containing from 1 to 4 carbon atoms, a phenyl group, a tolyl group, a naphthyl group, a benzyl group, and a phenylethyl group, n represents a member selected from the group consisting of zero and 1, and X represents a member selected from the group consisting of an atom of oxygen and a methylene group, with a primary amine having the general formula:

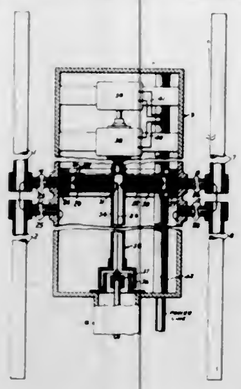
$$R_1—NH_2$$

wherein R_1 represents a member selected from the group consisting of an alkyl group containing from 1 to 4 carbon atoms, an allyl group, a phenyl group, a benzyl group, and a cyclohexyl group, in the proportions of at least 3 gram-moles of the said primary amine to each gram-mole of the said disulfonate compound, adding to the reaction mixture an alkali-metal hydroxide in the proportions of at least 2 gram-moles of the said alkali-metal hydroxide to each gram-mole of the said disulfonate compound and separating the formed N-substituted nitrogen heterocyclic base from the reaction mixture.

2,581,444
DIRECTION FINDER
Avery Groat Richardson, Boonton, N. J., and Frank O. Chesus, Bayport, N. Y., assignors, by mesne assignments, to Federal Telephone and Radio Corporation, Clifton, N. J., a corporation of Delaware
Application September 28, 1949, Serial No. 118,222
15 Claims. (Cl. 343—124)

1. A directive antenna system comprising a plurality of antennas, a goniometer having a stator and a rotor, means for maintaining said goniometer at a given potential above ground, and means coupling said antennas to said stator

member and to ground to effect both capacitive and inductive coupling between said stator and



said rotor to provide a directional response pattern of cardioidal shape.

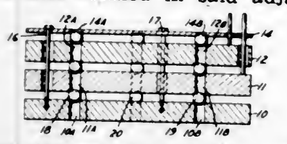
2,581,445
ARMATURE LEAD CONNECTION
Robert H. Riley, Jr., and Alonzo G. Decker, Jr., Towson, Md., assignors to The Black and Decker Manufacturing Company, a corporation of Maryland
Application October 6, 1949, Serial No. 119,865
11 Claims. (Cl. 171—252)



1. A rotary electric armature including a core having winding slots therein, insulated conductor wires forming windings in said slots, a commutator, tubular lead connections from the windings to the corresponding commutator bars each comprising a conducting member wound in a helix, tubular insulation enclosing said tubular lead connection, the connection being seated in and closely engaged within a core slot, the tubular insulation engaging the insulation of the core windings, said connection being chambered at one end to receive a pair of conductor lead wires, said wires being inserted and metallically connected therein, the other end of the connection being secured to a commutator bar head, each said helix being hollow and carrying the full current of its respective winding.

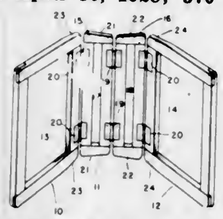
2,581,446
SUPPORTING MEANS FOR VACUUM ELECTRODES
Charles F. Robinson, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application October 31, 1949, Serial No. 124,641
13 Claims. (Cl. 313—81)

1. In a vacuum tube having a plurality of electrodes, means for holding the electrodes in fixed geometric relationship comprising a plurality of spherical insulating spacers disposed between adjacent electrodes and seating in spaced, axially aligned cavities formed in said adjacent elec-



trodes, and clamping means clamping the electrodes against the spacers.

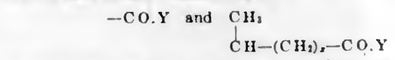
2,581,447
BOX LINER SPREADING JIG
Joseph Rutkiewicz and Gaspare Grano, Philadelphia, Pa.
Application October 24, 1945, Serial No. 624,280
1 Claim. (Cl. 93—36.01)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A jig for spreading a lining within a container to cause the lining to take substantially the shape of the interior of the container, comprising first and second thin substantially planiform backs, a junction base therebetween, first and second horizontal axis hinges joining the bottoms of said backs respectively to opposite sides of said junction base, said junction base comprising two substantially identical sections approximately coextensive in width with said backs at said first and second hinges, third horizontal axis hinge means joining said sections mutually, each of said sections having ends that taper inwardly in the direction of said third hinge means, said hinges being all disposed on the inner surfaces of the backs and junction base sections, the bottoms of the backs and the ends of the said backs and base sections having smooth bounding edge surfaces, said jig having a collapsed position with said base sections and said backs face to face in parallel planes and each base section substantially coplanar with its adjoining back, so that while so collapsed said jig may be inserted into a preformed collapsed lining envelope and said backs spread laterally apart from each other in said lining, and whereby when said junction base contacts the bottom of said lining envelope and said sections swing into coplanar relation substantially at right angles to said backs said backs are forced apart and said liner envelope is spread substantially smoothly against the bottom and walls of the container.

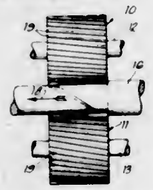
2,581,448
PROCESS FOR THE MANUFACTURE OF $\Delta^{9(11)}$-12-KETO STEROID ACIDS AND PRODUCTS OBTAINED THEREBY
Erwin Schwenk, Montclair, N. J., assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application June 12, 1947, Serial No. 754,278
14 Claims. (Cl. 260—397.1)

1. Process for the manufacture of 12-keto steroid acids and their esters which comprises heating a 12-keto steroid having at the 3-position a member of the class consisting of hydroxyl and groups convertible into hydroxyl with the aid of hydrolysis, and having at the 17-position a member of the class consisting of



in an inert solvent with a member of the group consisting of selenium dioxide and selenious acid to effect dehydrogenation at the 11-carbon, x being an integer from 0 to 2 inclusive, while Y is a member of the group consisting of OH and alcohol radicals.

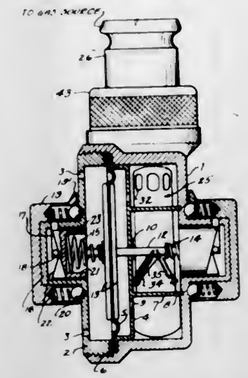
2,581,449
HIGH-SPEED MACHINING OF FERROUS MATERIALS
Theodore S. See, Hammond, Ind., assignor to La Salle Steel Company, Chicago, Ill., a corporation of Delaware
Application June 30, 1950, Serial No. 171,397
6 Claims. (Cl. 90—11)



1. The improvement in the art of machining ferrous metals, which comprises moving a continuous series of cutting teeth having a tooth spacing of one half inch or less successively into engagement with a ferrous metal workpiece at a tooth travel rate in excess of one thousand feet per minute, maintaining at least two of said teeth in engagement with said workpiece at all times during the cutting operation, thereby to minimize individual tooth vibration while said teeth are engaged with said workpiece, and moving said workpiece and said teeth relative to each other at a feed rate sufficiently in excess of ninety inches per minute to produce continuous effective chip loading of all of said teeth while engaged with said workpiece, thereby to minimize wear and heating of said teeth due to engagement of said teeth with said workpiece.

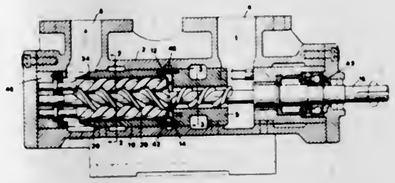
2,581,450
RESUSCITATOR
Henry Seeler, Dayton, Ohio
Application February 26, 1951, Serial No. 212,818
6 Claims. (Cl. 128—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A resuscitator comprising, a housing defining a gas receiving chamber, said housing being provided with a port adapted for connection with a mask, conduit means traversing said chamber, said conduit means being fitted at one end for attachment to a source of gas under pressure and the other end thereof defining a discharge port open to the ambient atmosphere, jet pump means within said conduit means and including a nozzle and an adjacent constriction spaced downstream from the nozzle, a rotatably mounted valve positioned between said constriction and said discharge port for opening and closing said conduit means, a crankshaft rigidly connected to said valve and extending outside of said conduit means, a valve actuating diaphragm in said housing communicating at one side with said gas receiving chamber, a slidably mounted rod secured centrally of said diaphragm, spring means extending laterally from said rod and connected to said crankshaft, port means in said conduit upstream from said constriction and connecting



with said gas receiving chamber, whereby gas flowing into said conduit will alternately flow through said port means and to the lungs of a patient wearing said mask or flow through said jet pump to the ambient atmosphere as said valve is closed or opened respectively by action of said diaphragm, rod, spring means and crankshaft.

2,581,451
MIXING PUMP
Morgan B. Sennet, Trenton, N. J., assignor to De Laval Steam Turbine Company, Trenton, N. J., a corporation of New Jersey
Application September 14, 1949, Serial No. 115,671
13 Claims. (Cl. 259—6)

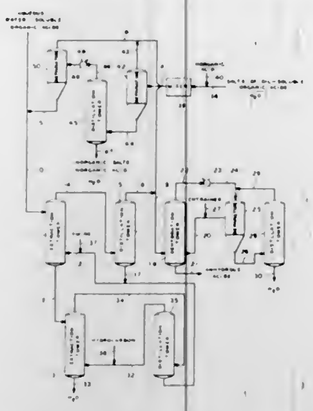


1. In a mixing device, in combination, a nonpositive multiple screw pump including a power screw and at least one idler screw, a second multiple screw pump including a power screw and at least one idler screw, said power screws being coaxially mounted and rotating together and said idler screws being coaxially mounted and rotating together, said pumps having a common housing, and said second pump being constructed and arranged to force a fluent mixture through the first mentioned pump in a direction opposing the pumping action of the first mentioned pump.

2,581,452
DEHYDRATION OF ORGANIC ACIDS
Ernest Solomon, Nutley, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application March 29, 1947, Serial No. 738,176
14 Claims. (Cl. 260—419)

1. A process for the dehydration of an aqueous solution of a fatty organic acid which comprises

contacting said solution with at least one compound selected from the group consisting of the alkyl amines and alkylated aromatic amines



whose boiling point is higher than that of the acid to be dehydrated and which is insoluble in water to produce an extract phase and a raffinate phase, and separating said phases.

2,581,453

HIGH-BOILING ESTERS AS SOLVENTS FOR POLYCHLOROTRIFLUOROETHYLENE

Murray M. Sprung, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application November 25, 1949, Serial No. 129,531
8 Claims. (Cl. 260—29.1)

1. A solution comprising (1) a solute phase consisting essentially of polychlorotrifluoroethylene and (2) a solvent phase comprising a high boiling organic ester selected from the class consisting of dibutyl phthalate, dibutyl sebacate, butyl stearate, dibutyl adipate, dioctyl sebacate, methyl stearate, tributyl citrate, tributyl tricarballylate, acetyl tributyl citrate, dihexyl tetrachlorophthalate, dioctyl tertachlorophthalate, triethylene glycol di-(2-ethylhexoate), and beta-naphthyl benzoate, the solvent phase being maintained at the temperature at which solution of the solute phase takes place.

2,581,454

SUSPENSION OF POLYMERIC CHLOROTRIFLUOROETHYLENE

Murray M. Sprung, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application November 25, 1949, Serial No. 129,535
17 Claims. (Cl. 260—29.6)

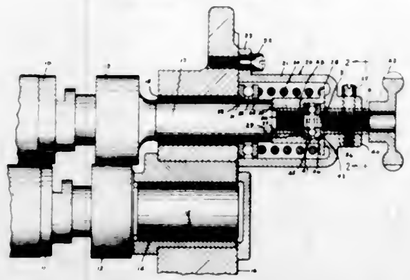
1. A liquid suspension comprising (1) a dispersed phase comprising finely divided polychlorotrifluoroethylene as the sole polymeric ingredient and (2) a dispersing medium for (1) comprising (*a*) water and (*b*) a water-soluble, oxygen-containing compound having a boiling point above 50° C. and selected from the class consisting of aliphatic ethers, saturated, aliphatic, monohydric alcohols, aliphatic ketones, aliphatic esters, mixtures of monohydric, saturated aliphatic alcohols and dihydric saturated, aliphatic alcohols, and mixtures thereof.

2,581,455

ADJUSTABLE BEARING DEVICE

Laszlo M. Stempel, New York, N. Y., assignor to Laszlo M. Stempel, New York, and Albert Charles Nolte, Plandome, N. Y., as joint trustees

Application May 28, 1948, Serial No. 29,832
11 Claims. (Cl. 308—233)



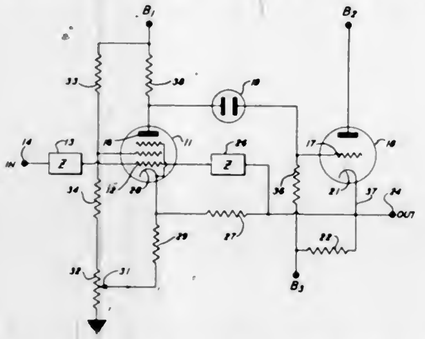
1. In combination, a shaft supported for rotation, and a device for adjusting said shaft axially comprising a pressure member mounted on said shaft for axial movement therewith, and including a sleeve embracing a portion of said shaft and having a flange ring, a coil spring around the axis of said shaft having one end pressing against said ring and serving to urge said shaft axially in one direction, an adjusting screw coaxial with said shaft, and a thrust bearing in said sleeve between one end of said adjusting screw and said shaft, said screw being adjustable to allow said shaft to move axially in said direction by the action of said spring or to move said shaft in an opposite direction against the action of said spring.

2,581,456

COMPUTING AMPLIFIER

Irvin H. Swift, Grant City, Mo.

Application January 14, 1949, Serial No. 71,002
9 Claims. (Cl. 179—171)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An operational amplifier comprising a first tube, an impedance connected to the grid of said first tube, the other end of said impedance constituting the input terminal for the amplifier, a second tube, circuit means connecting the output appearing on the plate of said first tube to the grid of said second tube, a negative feed-back impedance connected between the cathode of said second tube and the grid of said first tube, an adjustable source of low voltage, a cathode resistor connecting the cathode of said first tube to said source, and a positive feed-back resistor

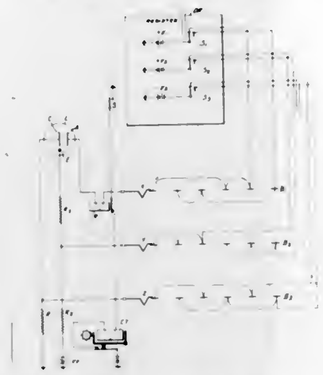
connected between the respective cathodes of said tubes, of magnitude equal substantially to R(G–1), where R is the magnitude of said cathode resistor, and G is the gain of the amplifier.

2,581,457

ELECTRONIC STOP CIRCUIT FOR SWITCHES

Clement M. Theillaumas, Seine, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application April 10, 1946, Serial No. 661,015
In France June 15, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 15, 1962
6 Claims. (Cl. 179—18)



1. A telephone switching arrangement for controlling a circuit comprising a plurality of sources of different, fixed electric potentials, an electron discharge tube having a plurality of electrodes, said tube being capable of conducting upon application of a predetermined combination of potentials to the electrodes thereof, a plurality of potential hunting devices, each connected to a different one of the electrodes of said tube, a plurality of contacts adapted to be swept by said devices, there being one row of contacts for each device, means for connecting said predetermined combination of said potentials from said sources to a group of said contacts including the same contact in each row, whereby when said devices reach said same contacts said tube will be caused to conduct, means to drive said devices simultaneously, current sensitive means serially connected to an electrode of said tube, said last named means controlling the operation of said driving means.

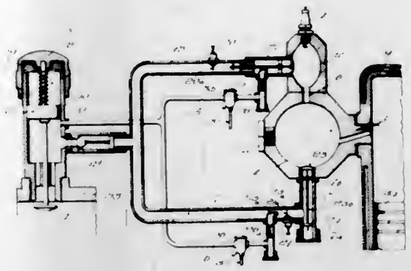
2,581,458

METHOD AND APPARATUS FOR OPERATING INTERNAL-COMBUSTION ENGINES ON COMPOSITE MIXTURES OF DIESEL FUEL OIL AND GASOLINE

Leslie D. Thompson, Jolo, P. I.

Application January 22, 1946, Serial No. 642,626
6 Claims. (Cl. 123—33)

3. An internal combustion engine comprising an engine cylinder and co-acting piston therein, a pair of fuel feed lines, one of which delivers gasoline and the other of which delivers heavier oil fuel, a pre-combustion chamber including a gasoline combustion section and an interconnected heavier fuel oil combustion section, means interconnecting said heavier oil combustion section with said engine cylinder, a connection from the gasoline fuel feed line with said first mentioned section, a connection between said heavier oil fuel feed line and said second mentioned section, said last mentioned connection and the interconnection between the gasoline combustion section and the heavier oil combustion section being diametrically aligned on opposite sides of said heavier oil combustion section and independently adjustable means for developing a flow of air through each of said connections, adjustable means for introducing atomized gasoline in said first mentioned connection, adjustable means for introducing atomized heavier oil fuel in said second mentioned connection, and means for igniting gasoline fuel in said first mentioned section for sequentially firing the heavier oil fuel in said second mentioned section for conjointly establishing a composite pressure force in said engine cylinder.



2,581,459

STEREOSCOPIC AND STROBOSCOPIC GUNNERY FIRE CONTROL SYSTEM

Thomas D. Tyra, United States Navy

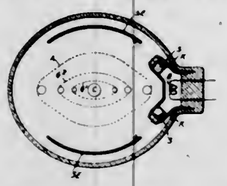
Application September 1, 1942, Serial No. 456,868
2 Claims. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a system of gunnery fire control the steps comprising firing a succession of projectiles from a gun at a moving target, rendering visible a portion of the trajectory of at least some of said projectiles, binocularly viewing said target and visible trajectory of said projectiles from said gun over converging lines of sight spaced along a base line normal to the bore of said gun at a distance exceeding the interpupillary distance whereby to increase the ability to perceive depth at the range of said target from said gun, pe-

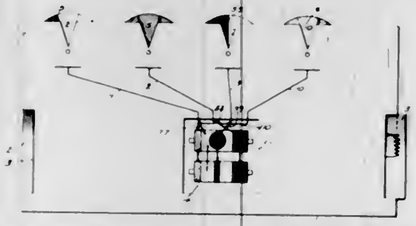
riodically obscuring vision over said converging lines of sight for a predetermined interval to cause said visible portion of said trajectory to appear as a series of projectiles stationary in space, and thereafter directing said apparently stationary projectiles into intersection with said moving target.

2,581,460
ELECTRON MULTIPLIER
Abraham Isidore Vangeen, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application August 7, 1947, Serial No. 767,018
In Great Britain February 3, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires February 3, 1959
9 Claims. (Cl. 313—104)



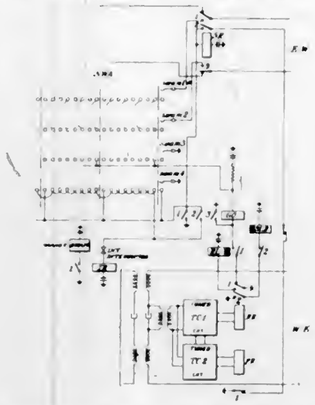
5. Electron discharge device comprising a secondary electron-emissive electrode wherein the secondary emissive material of said electrode comprises a borate of a metal selected from the group including alkali and alkaline earth metals.

2,581,461
CODING DEVICE
Henry E. Wirth, Philadelphia, Pa.
Application July 5, 1945, Serial No. 603,394
2 Claims. (Cl. 35—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



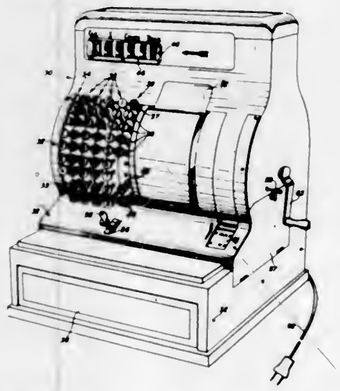
1. A device for encoding as code markings certain characteristics of electric circuit components or for decoding such code markings to determine such characteristics, comprising: a body; a member mounted on and movable with respect to the body; on the member, a plurality of representations of electric circuit components, each representation being marked in a code which indicates certain characteristics of the components and guide lines associated with the elements of said code; on the body, adjustable indicating means bearing code markings corresponding to those on the member and additional markings for translating the code; said body including guide lines with which the code markings of a representation may be aligned, these lines on said body being adapted for alignment with the guide lines on said member thereby serving also to associate the member code markings with the indicating means; the indicating means being adjustable so that the code markings thereon may be matched up with the code markings of the member.

2,581,462
MULTIPULSE VOICE-FREQUENCY CODE SIGNALING CIRCUIT
Esmond Philip Goodwin Wright, London, England, and Martinus den Hertog, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y.
Application April 28, 1948, Serial No. 23,843
In Great Britain April 29, 1947
6 Claims. (Cl. 179—16)



1. An electric signalling system comprising a calling station, a called station, circuit means connecting said calling and called stations, means at said calling station for transmitting a multielement constant total signal to said called station, means at said called station for receiving said signal, control means at said called station operative to transmit an acknowledgement signal to said calling station, and means controlled by the elements of said signal for operating said control means when the penultimate element of a signal is received by said receiving means.

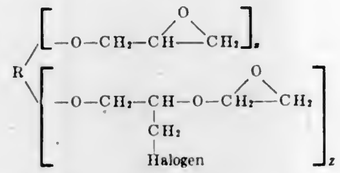
2,581,463
CASH REGISTER
Edward G. Yackley, Norman L. Young, and Earl H. Kunz, Dayton, Ohio, assignors to Ohmer Corporation, Dayton, Ohio, a corporation of New York
Application September 14, 1948, Serial No. 49,204
10 Claims. (Cl. 235—11)



1. In a register, a reciprocable control element, a reciprocable bar operable to follow the movement of said control element; selectable means for stopping said bar in any one of several selectable positions; means for indicating the position of said bar when stopped by said selectable means; an electric motor drive, said drive including a crank pin and a rod connecting said crank pin to said control element, whereby said drive is operable to move said control element in a fixed cycle first in one direction and then back to its home position; a release plate mounted for reciprocating movement away from and toward its home position, said release plate being shiftable away from its home position by said selectable means; said plate being effective to energize said motor drive when shifted from its home position; and means operative to connect said control element and said release plate during the return stroke of said control element, to move said release plate back to home position, whereby said motor drive is de-energized.

2,581,464
EPOXIDE COMPOSITIONS
John D. Zech, Anchorage, Ky., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky., a corporation of New York
No Drawing. Application September 16, 1947, Serial No. 774,429
8 Claims. (Cl. 260—348)

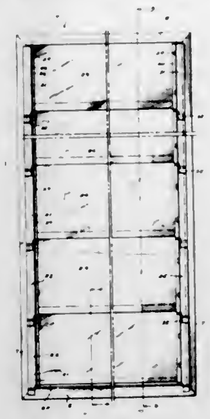
1. Halogen-containing polyether polyepoxide compositions of matter, obtainable by partial dehydrohalogenation of polyhalohydrin polyethers of aliphatic polyhydric alcohols containing from 3 to 6 hydroxyl groups, said composition being a mixture of epoxide products having an average composition expressed by the following general formula



in which x is at least 1, z varies from less than 1 to more than 1, and x and z together are at least 2 and not more than 6, and R is the residue of the polyhydric alcohol remaining after replacement of at least 2 of the hydroxyl groups thereof with the epoxide ether groups of the above formula and any remaining groups of the residue being free hydroxyl groups.

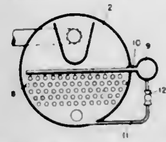
2,581,465
WINDOW CONSTRUCTION
George B. Arnold, Coral Gables, Fla., assignor to Arnold Products, Inc., Miami, Fla.
Application February 7, 1950, Serial No. 142,870
10 Claims. (Cl. 189—62)

1. In a window structure including an open frame having side jambs, of a plurality of closure panels horizontally mounted in the frame to swing in a vertical plane, end brackets for the support of the panels in swinging movement, weathering flanges on the brackets adapted to have parallel contacting weathering engagement with the jambs when the panels are closed, the panels being angularly disposed to the weathering flanges and having their upper and lower edges in overlapping engagement in the closed position, means for swinging the panels to open and closed position, said swinging means serving to individually lock the several panels against movement in the closed position with the weathering flanges in weathering



contact with the jambs and in weathering overlapping contact with each other.

2,581,466
MEANS FOR MAINTAINING LIQUID LEVEL IN HEAT-EXCHANGE APPARATUS
Carlyle M. Ashley, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application February 3, 1948, Serial No. 6,083
1 Claim. (Cl. 62—115)

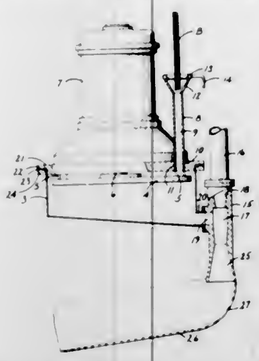


In a centrifugal refrigeration system, the combination of a compressor, a condenser and a cooler connected in a closed circuit, a coil in the cooler through which a medium to be cooled passes, a pool of liquid refrigerant in the cooler surrounding at least a portion of the coil, ebullition of the liquid occurring during operation of the system thereby increasing the liquid level in the cooler, a chamber without the cooler extending longitudinally of the cooler and connected thereto to receive excess refrigerant only when the liquid level in the cooler reaches a predetermined maximum under overload conditions, a line connecting the chamber and the cooler to return refrigerant from the chamber to the cooler, and a valve in said line to regulate return of refrigerant from the chamber to the cooler.

2,581,467
DEVICE FOR CUTTING STAPLE FIBER
Fred H. Bailiff and Dan B. Wicker, Nitro, W. Va., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 6, 1947, Serial No. 753,144
4 Claims. (Cl. 164—61)

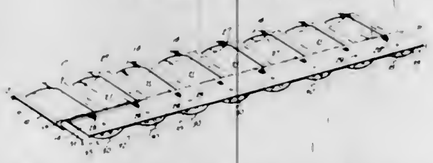
1. A device for cutting a continuous filamentary bundle to fibers comprising a housing having a top wall and a sloped bottom wall, a conduit connected to the housing adjacent the lowest part of the bottom wall, an aspirator-type of suction device having a lateral suction port connected to the conduit and having a discharge port for

removing cut material from the housing, an opening in the top wall of the housing, an upper conduit above the housing terminating in fluid-tight relationship with the opening for guiding



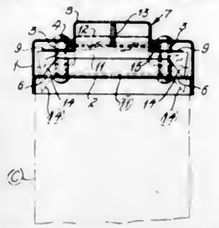
the bundle downwardly into the housing, means for supplying liquid to the upper conduit, and means inside the housing for repeatedly cutting the bundle as it is fed into the housing.

2,581,468
COMBINATION ARTICLE DISPLAY DEVICE AND PRICE INDICATOR UNIT
Mario Caruso, Maplewood, N. J., assignor to C-Eight Laboratories, Newark, N. J.
Original application December 26, 1946, Serial No. 718,529. Divided and this application December 10, 1947, Serial No. 790,845
7 Claims. (Cl. 40—5)



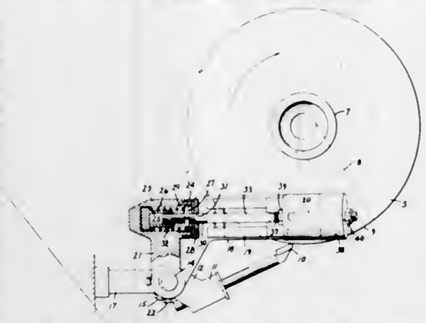
1. In a device for displaying in vending machines and the like articles of merchandise and their prices, a self-contained structure adapted for bodily placement into and removal from such vending machine, said structure comprising a frame having a step-shaped base provided at its rear edge with a supporting flange, an upwardly bent front flange and a forwardly directed ledge, said base having a plurality of apertures separated by spacing areas; a continuous top structure superimposed over and attached to the spacing areas of the base and having upwardly bowed, apertured sections registering with the base apertures and forming with their respective apertured base portions individual receptacles; bowed, translucent article-representing displays removably held within said receptacles and having cutouts at their ends; an angular front-supporting member for the frame associated with and spaced from said ledge; a plurality of registering apertures provided in said ledge and in said angular member, a plurality of opaque rotary price-bearing discs operative between the ledge and said member and having translucent numerals adapted to be aligned with the registering apertures provided in the ledge and in said angular front-supporting member, said apertures in the ledge and in the angular member being aligned with the center portions of said apertured sections of the top structure attached to the base.

2,581,469
CONTAINER PERFORATOR
Roy Davis, Overland, Mo.
Application September 29, 1947, Serial No. 776,794
2 Claims. (Cl. 30—6.1)



1. A container perforating and closure device comprising a tubular member provided with an apertured closure at one end thereof; a plate provided with cutter blade apertures; means for supporting said plate in said tubular member which includes a plurality of circumferentially arranged sleeves for maintaining a predetermined spacing between said apertured closure and said plate; a second tubular member provided with a closure at one end thereof and arranged in the aperture of said apertured closure; a plurality of apertured flanges secured to the other end of said second tubular member, said sleeves disposed within the apertures in said flanges and capable of movement relative thereto; a cutter bar; means for supporting said cutter bar on the flanged end of said second tubular member; cutting blades on said bar and movable in the apertures in said plate; and a spring for moving said tubular members relative to each other.

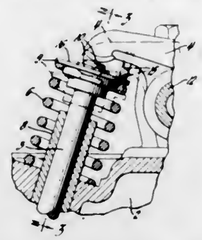
2,581,470
CUTTER
William P. Dooley, St. Albans, W. Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application August 25, 1947, Serial No. 770,405
1 Claim. (Cl. 164—38)



A cutting device for cutting continuous filamentary material to discontinuous lengths comprising a disc-shaped shear member having a channel extending therethrough to guide a strip of the material to be cut radially outwardly therefrom, means for rotating the shear member about its axis, a fixed bracket, a shaft rotatable in the bracket about an axis generally parallel to that of the shear member, a knife fixedly mounted on the shaft for pivotal motion about the axis of the shaft to dispose its cutting edge adjacent the periphery of the member, means for urging the knife edge into cutting relationship against the periphery of the member comprising an arm fixedly secured to the shaft, an

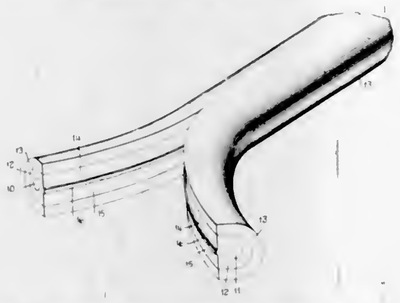
element movably mounted on the arm, resilient means interconnecting the element and arm for resiliently transmitting force from the element to the arm, and a weighted lever for urging the element against the resilient means, said lever being pivotally mounted on an axis transverse of the axis of the shaft.

2,581,471
VALVE ROTATING DEVICE
Robert T. Doughty, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 7, 1950, Serial No. 142,753
7 Claims. (Cl. 123—90)



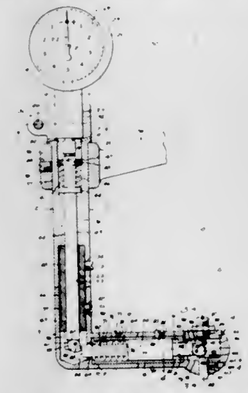
1. In an internal combustion engine, a poppet valve having a stem, means including a rocker engageable with the stem for opening the valve, a spring for returning the valve to closed position and acting to rotate the valve as the valve is reciprocated, and a brake carried by the rocker and directly engageable with means associated with said stem to limit valve rotation to one direction.

2,581,472
MULTIPLE CONDUCTOR INSULATED WIRE
Raymond H. Dudley, Guilford, and Carl A. Larson, Hamden, Conn., assignors to The Whitney Blake Company, Hamden, Conn., a corporation of Connecticut
Application March 30, 1948, Serial No. 17,898
3 Claims. (Cl. 174—117)



1. A multiple conductor insulated wire comprising: substantially parallel electrical conductors spaced from each other; an inner sheath of insulation within which said conductors are embedded and by which they are held in spaced, insulated condition with respect to each other; said inner sheath being formed to provide intermediate respectively adjacent conductors a laterally open, longitudinal parting-groove whose side walls, at an intermediate stage of manufacture of the completed wire, are spaced apart a substantial distance, said groove extending in depth only partway through said inner sheath to leave only a relatively slender, integral, longitudinal coupling-web disposed between adjacent portions of said inner sheath, whereby said side walls of said parting-groove are normally urged into substantially parallel spaced-apart relation by said web; and an outer sheath of insulation laterally enveloping said inner sheath and compressing the same under pressure sufficient to positively deform said web and to hold the respective normally spaced-apart side walls of said parting-groove in contact with each other so as to close the lateral opening of said groove.

2,581,473
COMBINATION OFFSET AND STRAIGHT INTERNAL BORE GAUGE
Andrew Eisele, Detroit, Mich.
Application August 21, 1947, Serial No. 769,885
1 Claim. (Cl. 33—178)

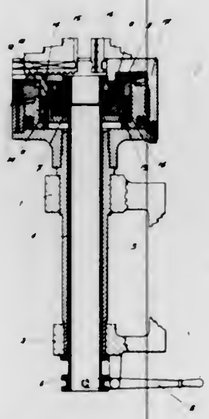


A combination straight and offset internal bore gauge comprising an elongated body structure, a dial indicator mounted thereon, an elbow structure removably mounted on said body structure, a measuring head structure removably mounted on said elbow structure, a fixed measuring pin and a movable measuring pin mounted in said head structure, and motion-transmitting mechanism mounted on and extending through said structures, said mechanism operatively interconnecting said dial indicator and said movable measuring pin, said mechanism including an elongated reciprocable motion-transmitting rod mounted in said body structure and operatively connected to said dial indicator, and a sector-shaped motion-transmitting member pivotally mounted on one of said structures and having contact edges disposed at an obtuse angle relatively to one another, one of said contact edges engaging said movable measuring pin and the other contact edge engaging said rod, said body structure and said head structure having mating stem and socket portions thereon and said elbow structure having stem and socket portions thereon mating with the stem and socket portions of said body and head structures, whereby said measuring head structure is interchangeably mountable on said body structure in place of said elbow structure.

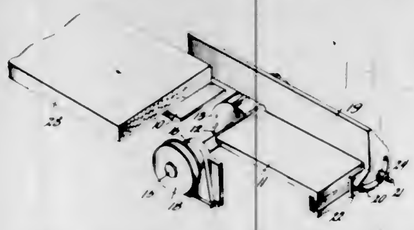
2,581,474
SELF-CENTERING CHUCK
Tullio Evangelista, Milan-Bovisa, Italy
Application October 28, 1948, Serial No. 56,970
In Italy November 5, 1947
2 Claims. (Cl. 279—114)

2. In a rotatable chuck for a lathe or the like, the combination of a chuck body having ra-

dially disposed guideways upon one side thereof; a rotatably adjustable scroll plate in the chuck body having a plurality of spiral grooves upon one side thereof; a plurality of radially movable jaws upon the chuck body slidably guided in the radial guideways thereon and having inward projections corresponding to and meshing with the spiral grooves in the scroll plate; an axially displaceable member having at least one portion thereof disposed in the chuck body; a collar fixed on the side of the scroll plate opposite to that carrying the spiral grooves; first helicoidal teeth fixed within the collar and inclined in one direction with respect to the central axis of the chuck; an annulus secured in the chuck body in substantial alignment with the collar; further helicoidal teeth fixed in the annulus and inclined in another direction with respect to central axis of said chuck; means for axially shifting the axially displaceable member; an annular member rotatably mounted upon the latter displaceable member and positively axially displaceable therewith; and peripheral teeth fixed on said annular member for simultaneously engaging with the first and further helicoidal teeth in axial direction of movement of said displaceable member to rotatably adjust said scroll plate and thereby correspondingly move said jaws in said radial guideways.

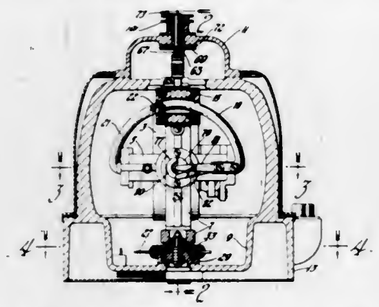


2,581,475
JOINTER
John N. Fenner, Asheville, N. C.
Application December 7, 1946, Serial No. 714,795
1 Claim. (Cl. 144—253)



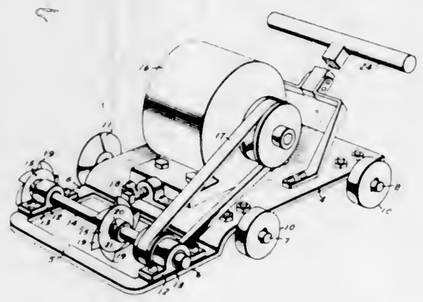
A jointer comprising spaced tables, a rotary cutter head between said tables, one of said tables having a transverse slot across its outer end, a block slidable in said slot, a fence at one side of the table, said fence having an arcuate slot, and a bolt on said block passing through said slot for supporting said fence on said block, whereby tightening of a nut on the bolt will clamp the fence against either transverse movement or tilting movement.

2,581,476
GYRO PRECESSING MEANS
Albert W. Fischer, Highland Park, and Archie D. McDuffie, Berkley, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 3, 1945, Serial No. 591,796
5 Claims. (Cl. 74—5.47)



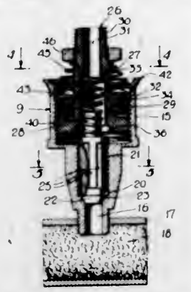
1. A directional gyroscope for controlling steering mechanism comprising a gyroscope rotor supported by gimbals on a frame for normal rotation about a horizontal axis parallel to the base of the frame, resilient driving means including a reversible erection motor for applying torque to the gimbals and rotor in either direction about the vertical axis of the frame when the frame is tilted to maintain the rotor axis parallel to the base of the frame, erection motor reversing control contacts between the gimbals operable by relative movement between the gimbals upon tilting of the frame.

2,581,477
DECAULKING APPARATUS
John H. Franks, Daytona Beach, Fla.
Application May 31, 1949, Serial No. 96,299
4 Claims. (Cl. 262—20)



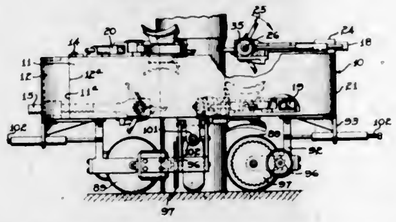
1. Decaulking apparatus comprising a portable platform, front and rear axles thereon, ground wheels on the axles at one side edge of the platform, seam entrant and bearing guide wheels on the axles at the opposite side edge of the platform cooperating with said ground wheels to provide wheeled support for the platform, a driven shaft journaled on the platform in advance of the front axle, stripper means on said shaft and rotatable therewith for engaging and removing seam caulking from at least one seam determined by the entrant location of the guide wheels, and power means on the platform in driving connection with said driven shaft.

2,581,478
GASOLINE ECONOMIZER VALVE
Louis Gaddoni, New Rochelle, N. Y.
Application July 21, 1944, Serial No. 546,010
3 Claims. (Cl. 251—145)



1. A valve mechanism comprising a valve casing provided interiorly with a cylindrical valve guiding chamber, an enlarged chamber at one end of said guiding chamber providing a shoulder at said end, a reduced section at the other end of said guiding chamber providing a valve seat ported to the exterior, a spring pressed piston type valve mounted for reciprocation in said guiding chamber and provided at one end with a valve face cooperating with said seat and provided in its cylindrical face with grooves tapering with increasing cross section toward said end of said valve and cooperating with said shoulder to control the area of the passageway between said valve and shoulder.

2,581,479
PALM TREE PRUNER
Charles W. Grasham, Dallas, Tex.
Application April 19, 1948, Serial No. 21,843
4 Claims. (Cl. 47—1)



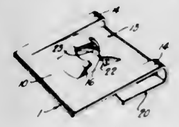
1. In a palm tree pruner, the combination of: an annular ring, a primary group of cutter assemblies supported on the ring, said cutter assemblies being individually rotatable about horizontal axes contained in a first horizontal plane, a secondary group of cutter assemblies supported on the ring and each individually rotatable about horizontal axes contained in a second horizontal plane, said planes being vertically spaced, cutter blades on each of the cutter assemblies having arcuate cutting edges adapted to contact the tree trunk, the cutting edges of the cutter assemblies in one group overlapping the cutting edges of the cutter assemblies in the other group to define the finished circumference of the tree trunk, and power means adapted to rotate each of said cutter assemblies.

2,581,480
EXPANSIBLE CLEANING BRUSH FOR HOT-AIR FURNACE RADIATORS OR THE LIKE
Walter N. Hadley, Chicago, Ill.
Application February 9, 1946, Serial No. 646,589
6 Claims. (Cl. 15—162)



1. A tool for cleaning the inside surfaces of the tortuous passages of hot-air heating furnace radiators or the like comprising a central operating stem or handle having lateral flexibility and resiliency and longitudinal rigidity enabling it to be pushed through the curved passage of the radiator from the outside, a cluster of brushes surrounding the flexible handle, spring ribs carrying said brushes at their outer ends and secured in pivotal relation at their inner ends to the handle, spring stays connecting said ribs intermediate their ends with the handle, a movable rod alongside the handle with which the inner ends of said stays are connected, and manually operated means associated with the handle for moving said rod therealong either to fold the ribs and brushes compactly toward and about the handle or to expand and hold them in working position, whereby the cleaner may be folded into compact form when not in use or for insertion through a restricted entrance into the passage to be cleaned and thereafter expanded into working positions to clean the inside of the passage as the cleaner is pushed therethrough by the handle from the outside, said stem having a forward end projecting forwardly beyond the brushes and having guide means thereon adapted to steer the brushes into the proper channel, the whole constituting a resilient flexible brush and stem or handle enabling it to adapt itself to the form and curves of the passage and to clean the same by a single push-stroke therethrough.

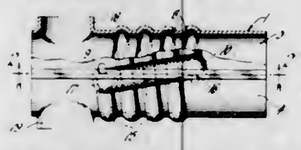
2,581,481
FASTENING DEVICE
Richard A. Hartman and Laurence H. Flora, Cleveland, Ohio, assignors to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 28, 1948, Serial No. 4,914
1 Claim. (Cl. 151—41.75)



A fastener comprising a piece of sheet metal having a return bend defining a pair of spaced, slightly converging body portions extending in the same general direction and adapted to receive therebetween in attached relation any of several apertured parts of different thicknesses between the limits of a thin part of considerably less thickness than the spacing of said body portions to a thick part having a thickness slightly less than the spacing of said body portions, one of said body portions being provided with a spring arm stamped therefrom having a free end extending toward said return bend of the fastener, said spring arm having an opening substantially cen-

trally thereof and provided with thread engaging means on the periphery of said opening for threadedly engaging a bolt or screw, said spring arm being bent bodily inwardly toward the other body portion such that said free end thereof is spaced from said other body portion a distance less than the thickness of any part with which the fastener is intended to be used, said inwardly bent spring arm being adapted to yield in accordance with the thickness of the part to which the fastener is applied to cooperate with said other body portion of the fastener in engaging opposite sides of said part in the attached position of the fastener thereon, said spring arm in such attached position of the fastener being adapted to lie substantially parallel to the part to which the fastener is applied with said other body portion in surface engagement with said part regardless of the thickness of said part and with said thread engaging means on said spring arm in position for even and uniform threaded engagement with a bolt or screw to be applied to said thread engaging means with the axis of said bolt or screw in normal relation to said part, said other body portion having an opening concentric with said thread engaging means and of such size as to permit free passage of said bolt or screw, and an inwardly projecting detent adjacent said latter opening, said detent having a surface sloping downwardly toward the free end of said other body portion for facilitating application of the fastener to said part, and said detent being receivable in the aperture in said part to retain the fastener in said attached position on said part.

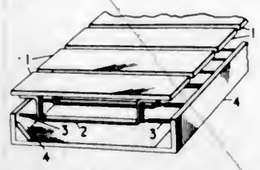
2,581,482
BALL NUT
Harry Hawkins, Saginaw, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 27, 1948, Serial No. 11,442
6 Claims. (Cl. 74—459)



1. A ball nut consisting of two semi-cylindrical parts, flanges extending from a straight edge of said parts, said flanges being secured together in face-to-face relationship, a continuous helical groove in the inner surface of said parts, a return passage consisting of a groove in each flange, said grooves tapering in depth from substantially the ball diameter to zero and said tapered grooves being reversely disposed in face-to-face relationship.

2,581,483
SUSPENDED ASSEMBLY FOR SEATS OR THE LIKE
Maximilian Heller, London, England
Application April 25, 1946, Serial No. 664,751
In Great Britain June 6, 1945
2 Claims. (Cl. 5—241)

1. A furniture assembly comprising a rigid support frame, a substantially horizontal top structure extending over the area enclosed by said support frame, secured to the underside of said top structure at least one spacing member of substantial length and of comparatively small height and short tensile springs which are substantially horizontal when the furniture assembly is unoccupied, the inner end of each of said tensile springs being secured to a bottom edge of said spacing member and the outer end of each of said tensile springs being anchored to said support frame, at least two bottom edges of said spacing member being spaced inwardly relatively to the edges of said top structure, the



whole arrangement being such that at least two edge portions of said top structure extend over said tensile springs as far as the outer ends of said tensile springs and said top structure is held suspended and moves downwardly on occupation and the tilting movement of said top structure is slight when carrying an occupant's weight off-centre.

2,581,484
PROCESS IN PRETREATING VEGETABLES AND FRUITS BEFORE FREEZING
Oyvind Helgerud, Oslo, Norway
No Drawing. Application August 7, 1947, Serial No. 767,328. In Norway August 24, 1946
1 Claim. (Cl. 99—154)

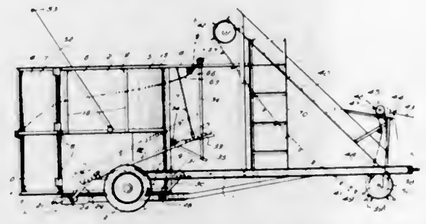
Process in pretreating vegetables and fruits before freezing, comprising in subjecting the vegetables to the action of water or steam of about 100° C. in a confined space thereby expelling the air from the confined space, and thereafter cooling the vegetable products in a vacuum, said vacuum being produced in the confined space solely by a condensation of the water vapor which is present in the confined space and by the water evaporated from the surface of the vegetable products which during evaporation cools down the vegetable products without access of air.

2,581,485
FISHING PLUG WITH GUARDED HOOK
Thomas A. Herkenham, Schenectady, N. Y.
Application December 6, 1950, Serial No. 199,481
10 Claims. (Cl. 43—42.36)



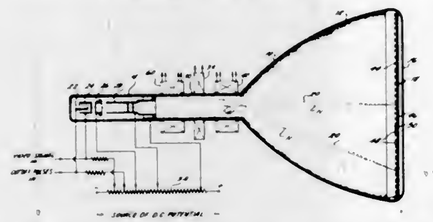
1. A fishing lure of the plug type comprising an elongated body of buoyant material having a passage extending longitudinally therethrough, a bar disposed in said passage and having a line attaching element at one end, a fish hook attached to the other end of said bar and having a shank movable with said bar into said passage where said hook is guarded by said body, means for biasing said body to float normally with said hook at the lowermost end thereof and to float with a predetermined side downward when said lure is drawn horizontally through the water, and a gravity biased element mounted in said body on the side of said passage remote from said predetermined side and positioned to engage said bar and to lock it against movement through said passage when said lure is drawn through the water with said hook outside said body, whereby said hook moves to its position outside said body when said lure is idle in the water and is locked outside said body when said lure is being drawn through the water.

2,581,486
HAY-SHOCKING APPARATUS
Robert A. Jamieson, Renfrew, Ontario, Canada
Application November 17, 1948, Serial No. 60,475
8 Claims. (Cl. 56—346)



1. For use with a hay shock-supporting frame, a hay shocking and treating machine comprising a wheel supported main frame, an upright bin carried on the rearward portion of the main frame, the top and major portion of the bottom of the bin being free from closure means, pins journalled in the frame at the base of said bin, a plurality of separate, spaced feet fixed to the pins and extending rearwardly thereof, said feet being disposed in normally horizontal relation directly below the open bottom of the bin, said feet being arranged to support said supporting frame in the bin, a lever fixed to each pin, a second lever reciprocally mounted in the frame, and linkage means connecting the levers to rotate said pins in the same direction in response to reciprocation of said second lever, and to swing said feet into downwardly inclined position to permit disengagement of said supporting frame therefrom.

2,581,487
COLOR TELEVISION REPRODUCTION TUBE
Dietrich A. Jenny, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 1, 1950, Serial No. 147,034
8 Claims. (Cl. 313—76)



1. An electron discharge device comprising, an electron gun means for forming a beam of electrons along a normal path, a target electrode positioned transversely to said beam path, means for scanning said beam over a surface of said target, a phosphor coating on portions of said target surface, each of said coated portions being responsive to specific directions of beam approach, means between said gun and said target electrode for producing a beam deflecting field transverse to said beam path, a first focusing means for bringing the electrons of said beam to a cross-over point within the region of said deflecting field, and a second focusing means between said target and said beam deflecting means for imaging said cross-over point on said target surface and for returning said beam to its normal path at an angle thereto.

2,581,488
RETRACTABLE STEP ASSEMBLY
Robert Neil Keltner and Barbara Lea Keltner, Phoenix, Ariz.
Application July 29, 1947, Serial No. 764,298
1 Claim. (Cl. 228—48)

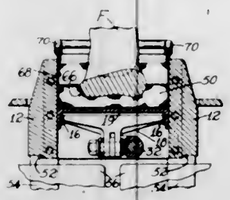


A retractable step assembly comprising a recessed housing having a base and a marginal wall and being adapted to be secured to a vertical foundation, a step element pivotally mounted at one edge of said housing, a vertical leg element pivoted at one end adjacent the opposite edge of said step element and adapted to engage a floor with its free end, and a stabilizer element pivotally mounted between said housing and said leg element, said step, leg and stabilizer elements being bodily foldable into the recess of said housing, the pivotal connections between said step and stabilizer elements and said housing, being disposed farther from said base than the true center lines of the pivotal connections between said step and stabilizer elements and said leg element when said elements are folded into said recess, whereby the weight of said elements will tend to maintain them folded and in said recess.

2,581,489
APPARATUS FOR MAKING CASTS
Charles O. Kilham, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 9, 1948, Serial No. 20,075
1 Claim. (Cl. 18—5.1)

An apparatus for making successive casts of different shaped objects comprising, in combination, an impervious flexible container having an open top and a non-flexible rim, means for holding said container terminating below said rim, said means having mechanism therein for supporting the container in different heightwise

positions relatively thereto, a mass of small iron balls in said container readily displaceable to receive successive impressions of different objects pressed against them, means for creating a magnetic field in the space occupied by said iron balls, thereby locking them rigidly in position after each impression has been formed therein, an impervious flexible sheet for lining each impression after it has been rendered rigid, said



sheet having a non-flexible rim thereon larger in circumference than the rim of said container and adapted to be placed over said container after an impression has been made therein to render the container airtight, and means for withdrawing air from the container below said sheet to force the sheet into said impression to line the same by reason of the unbalanced atmospheric pressures above and below said sheet.

2,581,490

ELECTROLYTIC PROCESS OF STRIPPING METALLIC COATINGS FROM A FERROUS METAL BASE

Grayland T. Larsen, Wyandotte, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application March 11, 1947, Serial No. 733,978
7 Claims. (Cl. 204—146)

1. A process of electrolytically stripping a metal coating consisting of at least one metal of the class consisting of copper, nickel and chromium from a ferrous metal base without etching the base metal which comprises, passing electric current from said coated base as anode through a stripping solution consisting essentially of about at least two pounds of a commercial alkali metal nitrate containing an alkali metal chloride as a normal impurity, about one-eighth ounce of alkali chloride being present in each two pounds of said commercial alkali nitrate, about one-half ounce to about four ounces of an alkali metal nitrite and about one-twentieth to one-half ounce of an alkali metal hydroxide per gallon of water until said coating is stripped from the ferrous metal base, said solution temperature being within the range of about 100°–220° F. during said stripping operation.

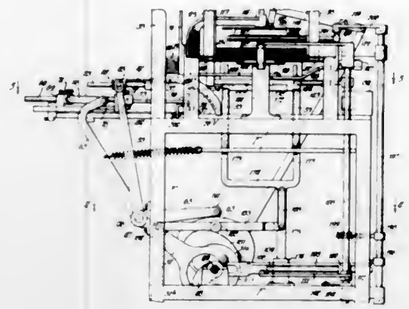
2,581,491

APPARATUS FOR SETTING UP BOXES

William F. Linstedt, Freeport, Ill., assignor to Kraft Foods Company, a corporation of Delaware

Application November 26, 1943, Serial No. 511,811
6 Claims. (Cl. 93—39)

4. Box making apparatus of the class described, comprising a magazine for supporting a stack of horizontally disposed box blanks, a normally stationary, vertically extending mandrel, blank feeding and guiding means for conducting said blanks in horizontal position and delivering the same to said mandrel in an upright, on-edge position, and



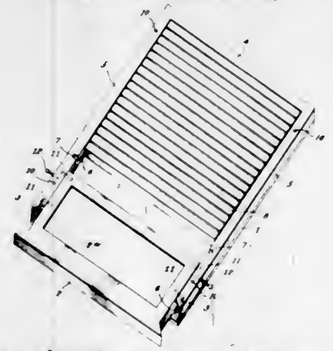
means for folding the delivered blank horizontally around said mandrel.

2,581,492

EDUCATIONAL AND AMUSEMENT DEVICE

Henry E. Lowe and Harold Cazier, Clearwater, Fla.; said Cazier assignor to said Lowe

Application March 28, 1950, Serial No. 152,332
6 Claims. (Cl. 35—62)



1. In an educational device, the combination of a rectangular base, grooved rails along two opposite sides of the base, a plurality of spindles having reduced ends positioned in the grooves of said rails for sliding and rotational movement therein, notches in the grooved rails for admitting the reduced ends of the spindles into the grooves in the rails, a fixed rail joining the grooved side rails at one end of the base, a movable member at the opposite end of the base having means slidable in the grooves of the side rails for maintaining said spindles in assembled position, and means on a said rail engaging said movable member for holding the same in adjusted position in said base.

2,581,493

PURIFICATION OF MERCAPTANS

Joseph P. Lyon, Jr., and Arthur A. Harban, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application October 1, 1945, Serial No. 619,704
10 Claims. (Cl. 260—609)

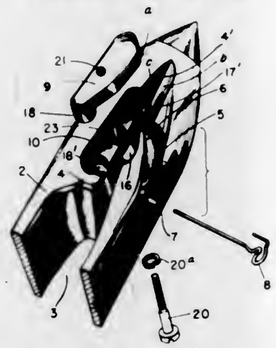
1. A process for the recovery of pure tertiary alkyl mercaptans from an impure mixture containing the same, which comprises treating said mixture at a temperature of about 40° F. with a soluble readily ionizable lower organic acid salt of a metal from the group consisting of cadmium and zinc, precipitating and recovering resulting crystalline metallic mercaptides, washing said crystalline mercaptides to dissolve and separate impurities therefrom, dispersing said mercaptides in a solvent and an inorganic acid, boiling the resulting dispersion to hydrolyze said mercaptides, and separately recovering said pure mercaptans.

2,581,494

LOOM SHUTTLE

Rudolph J. Messier, Providence, R. I.

Application January 18, 1950, Serial No. 139,225
2 Claims. (Cl. 139—223)



1. A loom shuttle provided with a bobbin chamber and a threading groove extending forward from said chamber, a threading plate set into the shuttle top at one side of said groove and provided with a flange extending laterally across said groove into overlapping relationship with the portion of said shuttle at the opposite side of the groove so that the thread must pass over, around, and under said flange in moving into its running position during the threading-up operation, said flange having a thread guiding edge extending diagonally across said groove, said plate being provided near its front and rear ends with lugs extending downwardly from the lower side thereof and the forward thread guiding edge of said plate extending across the path of travel of the thread during the threading-up operation and meeting said lug at a point above the lower end of the lug, said shuttle having a socket in which said front lug is positioned.

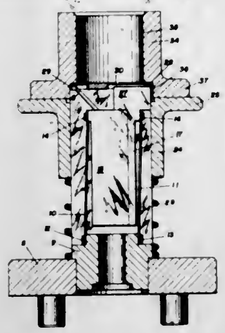
2,581,495

ELECTRONIC BORE GAUGE

Joseph J. Neff, South Euclid, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware

Application August 18, 1945, Serial No. 611,314
2 Claims. (Cl. 33—178)

1. In an electrical measuring instrument for measuring the inside diameter of the bore of a piece of work as to its concentricity and longitudinal taper, a housing, a base and a pair of longitudinally extending parallel leaf springs each having one end connected to said base, a displacement pickup unit supported by said housing and including a pair of pickup coils and an armature, a stylus for carrying said armature for linear movement within said coils, said housing for said pickup unit being connected to the other ends of said leaf springs to be supported thereby in spaced relationship with said base, said leaf springs being adapted to oppose movements of said housing, work supporting means, means for resiliently supporting said work supporting means slidably about said housing for longitudinal movement relative thereto, a work engaging member on said stylus adjacent one of said leaf springs, a rigid work engaging member on said housing diametrically opposite the work engaging member on said stylus and adjacent the other leaf spring.

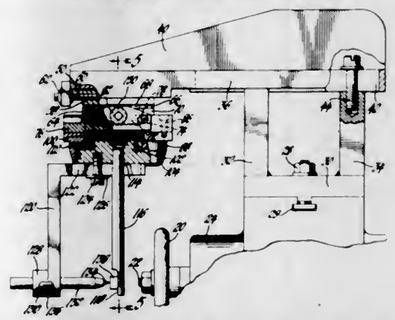


2,581,496

ATTACHMENT FOR DRESSING GRINDING WHEELS

Ernest Oldham, St. Catharines, Ontario, Canada, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

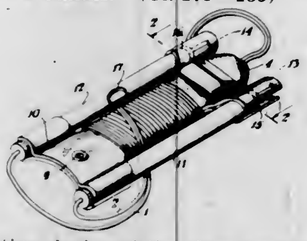
Application May 11, 1948, Serial No. 26,388
4 Claims. (Cl. 125—11)



1. An attachment for dressing abrasive wheels in which the abrasive wheel is carried by a spindle in a housing having a T-slot in the upper face thereof, an adjustable support mounted on said housing having means securing the support to the T-slot in said housing and having an upper arm extending parallel to and in a plane above the abrasive wheel spindle, an outer end of said arm having ways thereon for supporting a first slide, a first slide carried by said ways, screw means operably connected to said first slide to move said slide on said ways, a member angularly adjustable with respect to said first slide and carried thereby having ways at the bottom thereof adapted to carry a second slide, said angularly adjustable member having graduations thereon to represent desired degrees of angularity, means securing said angularly adjustable member to said

slide in a desired angular relation with respect to said first slide, a second slide carried by the ways on said angularly adjustable member, screw means operably connected to said second slide to move said second slide on the ways on said angularly adjustable means, a housing carried by said second slide, mechanism rotatably carried by said housing, an adjustable right angular bracket having a horizontal leg and a vertical leg, a diamond tool carried by said vertical leg and located in a horizontal plane through the axis of rotation of the abrasive wheel spindle and means securing the horizontal leg of the bracket in adjusted position so that the diamond tool is spaced a predetermined distance from the axis of rotation of the mechanism rotatably carried by said housing.

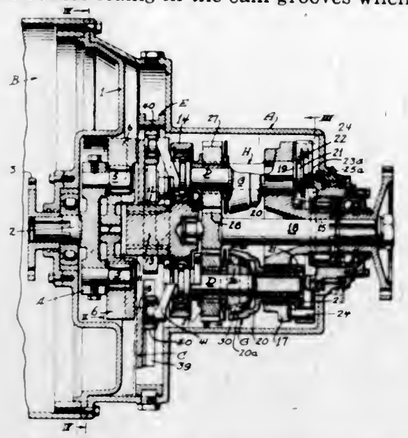
2,581,497
ELECTRICAL TESTING DEVICE
Morris Podell, New York, N. Y.
Application January 23, 1948, Serial No. 3,953
4 Claims. (Cl. 175—183)



1. A testing device of the class described comprising the combination of a plurality of conductors each having a test prong connected with one end thereof and a contact terminal connected with another end thereof, a resistance unit in series with each of said conductors adjacent said test prongs, a gaseous tube electric discharge lamp in series with one of said conductors and its resistance unit, a capacitance coupled in parallel with both said lamp and the resistance unit which is in series therewith, holder members secured to said test prongs with one holder member carrying the resistance unit and lamp and condenser of one conductor and with another holder member carrying the resistance unit of another conductor, means attached with said conductors having yieldable members for releasably retaining said holder members, and a contact bar carried by said means adapted to electrically connect together said contact terminals.

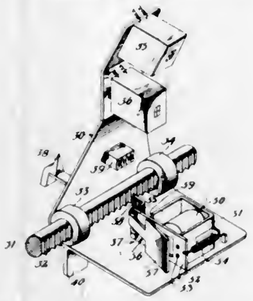
2,581,498
VARIABLE-SPEED TRANSMISSION
Elwyn M. Rayburn, Sausalito, Calif.
Application June 11, 1946, Serial No. 675,885
12 Claims. (Cl. 74—679)

1. A variable speed transmission comprising a rotating driving member, a rotatable driven cam disc having an axis paralleling the driving member axis, means for shifting the axis of the disc transversely along a diametrically extending line that intersects the driving member axis, means interconnecting the member and disc so that the latter will be rotated at the same speed as the driving member regardless of the position of the disc axis along the said line, the disc having substantially radially extending cam grooves, a cage rotatable about an axis coinciding with the driving member axis, a plurality of crank shafts equal in number to the cam grooves and rotatably carried by the cage and arranged around the cage axis, arms carried by the cranks and having rollers received in the cam grooves, a driven shaft having its axis coinciding with the cage axis and having an integral gear, said crank shafts having gears rotatably mounted thereon and constantly in mesh with the driven gear, and automatic clutching means for successively connecting each of said last-named gears with its crank shaft during a portion of rotation of the crank shaft about the driven shaft, the crank arms and their crank shafts being oscillated about the crank shaft axes by the rollers riding in the cam grooves when the



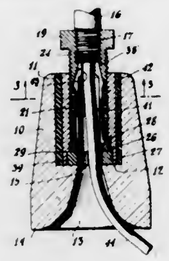
center of the cam disc is eccentric to the driving member axis, the clutching means connecting the crank shafts to the second-named gears during portions of the oscillations, whereby the gears will rotate the driven shaft gear in one direction for rotating the driven shaft, said disc shifting means including a ring for rotatably supporting the disc, said ring having an arcuate section of teeth, a fixed straight rack, and means for rocking the ring for advancing the ring teeth along the straight rack for shifting the cam disc laterally.

2,581,499
BACK-SPACING DEVICE FOR DICTATING MACHINES
Bruce Roberts, Philadelphia, Pa., assignor to The International Electronics Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application December 21, 1946, Serial No. 717,754. Divided and this application March 27, 1947, Serial No. 737,694
2 Claims. (Cl. 274—21)



1. In dictating equipment including means for effecting translational movement of a head element relative to a record element, back spacing means comprising a toothed rack in fixed relationship with one of said elements with its longitudinal axis parallel to the direction of translation, and, associated with the other element, an electromagnet, an armature in the field of the electromagnet, a non-magnetic member between the electromagnet and one end of the armature having a first pivotal connection with said other element and a second pivotal connection with the armature, and a pawl adapted to be moved toward the rack by swinging motion of the armature on the second pivotal connection and to be moved axially of the rack by swing motion of the non-magnetic member on the first pivotal connection.

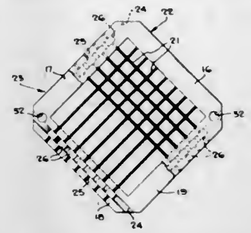
2,581,500
TRANSFORMER TERMINAL CONNECTOR
Raymond B. Schoonmaker, Poughkeepsie, N. Y., assignor to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y., a corporation of New York
Application February 15, 1949, Serial No. 76,519
3 Claims. (Cl. 173—324)



1. A connector for securing an electrical conductor comprising in combination an insulator; a threaded sleeve supported in said insulator; a clamping element contained in said threaded sleeve comprising elongated fingers, conductor securing jaws mounted on said elongated fingers, and a central passage formed by said jaws and fingers extending axially through said clamping element for axially receiving an electrical conductor; a threaded member engaging said threaded sleeve; a surface actuated by said threaded member engageable with said jaws from an axial direction opposite to the axial reception of an electrical conductor into said central passage, to move said jaws to a closed position and a central bore in said insulator aligned with said axial central passage and terminating at the opposite end of said elongated fingers from said jaws, said bore admitting an electrical conductor into said passage whereby said jaws secure in said clamping element at a point removed from the entrance to said central bore, said electrical conductor being insertible in an axial direction counter to said jaws closing motion of said surface.

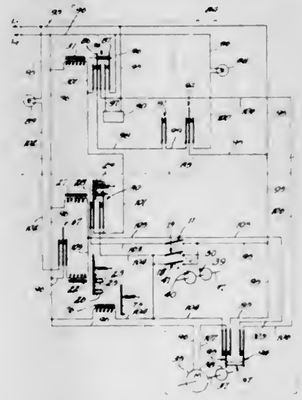
2,581,501
CUTTING ELEMENT FOR SLICING MACHINES
George W. Shaver, Los Angeles, Calif.
Application January 24, 1948, Serial No. 4,110
4 Claims. (Cl. 146—169)

1. A cutting unit for a slicing machine, including a pair of opposed four-sided frame members, alternate opposing sides of said frame members having longitudinal grooves therein, spaced transverse slots in said sides cooperating with said longitudinal grooves, spaced parallel blades extending across said frame having their ends disposed in said transverse slots, the width of each slot at the inner end thereof being substantially greater than the thickness of the blade disposed therein, and identical means attached to each blade adjacent each end thereof for securing each blade in said frame, each securing



means lying within its associated groove and extending transversely to the plane of its blade.

2,581,502
COIN CHANGER
Fred E. Wallin, St. Louis, Mo., assignor to National Slug Rejectors, Inc., St. Louis, Mo., a corporation of Missouri
Application August 16, 1946, Serial No. 691,065
6 Claims. (Cl. 194—10)



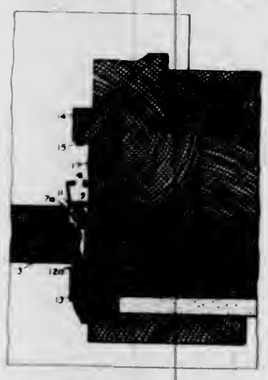
1. The combination of an electric vending machine adapted to operate one cycle and deliver one unit of value when energized and a coin operated mechanism and a change maker responsive to each of a predetermined plurality of coins for one cycle of operation to operate said vending machine one said cycle and deliver therefrom change coins of predetermined denomination including means forming a frame, a change coin passageway in said frame for normally conducting gravity propelled change coins of said predetermined denomination, means in said frame forming a plurality of other coin passageways, each of said other passageways adapted to conduct in an independent path gravity propelled coins of different other predetermined denominations respectively, a momentary electric switch positioned in said frame responsive to each coin of said first mentioned predetermined denomination descending in its corresponding passageway, a plurality of other coin switches positioned in said frame, each of said switches corresponding with and responsive to coins of each of said other predetermined denominations respectively, a plurality of holding means in said frame adapted to temporarily and independently hold each of said other coin switches in displaced position when operated, electrically driven coin dispenser means for receiving and temporarily storing said change coins descending through said change coin pas-

sageway and for sequentially discharging said change coins when energized, cam means operatively positioned in said frame with respect to and driven by said dispenser means, restoring means positioned in said frame for movement by said cam means for restoring each of said other coin switches when held in displaced position by said corresponding holding means, relay means for energizing and deenergizing said vending machine, cam switch means driven and controlled by said cam means, a source of electric energy, electric circuit means connecting all said coin switches said dispenser means said relay means said cam switch means and said vending machine and said source of electric energy whereby the deposit of a coin of change coin denomination in its said passageway will momentarily operate said change coin switch and energize through a portion of said circuit means said relay means to operate said vending machine one cycle and deliver one unit of value and gravitate said change coin into said dispenser means and whereby the deposit of a coin of any of said other denominations in its corresponding said passageway will operate its said corresponding other coin switch which switch will be temporarily held in its displaced position by its said holding means and concurrently through another portion of said circuit means energize said relay means to operate said vending machine one cycle to deliver one unit of value and through another portion of said circuit means and through said cam switch means energize said dispenser means to discharge a predetermined number of coins of said change coin denomination and whereby the initial movement of said cam switch means will maintain a circuit for one cycle of operation of said dispenser means and whereby the predetermined movement of said cam means will operate said restoring means and restore said displaced other coin switch.

2,581,503

WINDOW SASH CONSTRUCTION

James R. Walker, Lansing, Mich.
Application March 26, 1949, Serial No. 83,573
1 Claim. (Cl. 20—52.4)

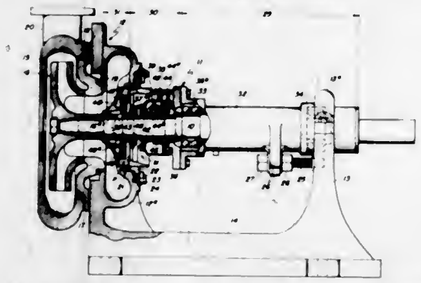


In a window sash construction, a sheet metal runway comprising a narrow outer wall, the said outer wall being substantially folded upon itself, an arched surface, the said arched surface extending therefrom the said outer wall and the said arched surface being substantially eighty degrees in respect to the said outer wall, an inner wall, the said inner wall extending from the arched surface and formed by folding of the sheet metal upon itself, a flat surface, the said flat surface extending from the said inner wall, a second flat surface, the second flat surface extending from the first flat surface in a direction substantially ninety degrees from the first flat surface, a third flat surface, the third flat surface extending in a direction substantially ninety degrees from the second flat surface, a second outer wall, the said second outer wall being folded upon itself and extending from the third flat surface in a direction substantially ninety degrees from the said third flat surface.

2,581,504

CENTRIFUGAL PUMP

Elmer R. Wilfley and John L. Aldred, Jr., Denver, Colo., assignors to A. R. Wilfley and Sons, Inc., Denver, Colo., a corporation of Colorado
Application December 16, 1949, Serial No. 133,336
10 Claims. (Cl. 103—111)

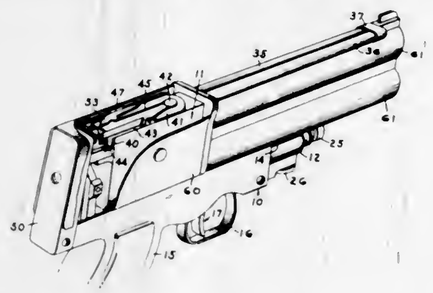


1. A centrifugal pump having a pump housing and a pumping impeller carried by a rotatable shaft extending at one end into the pump housing, an auxiliary impeller disc on the shaft with blades laterally extending from each face of the disc, an annular chamber surrounding the auxiliary impeller having restricted ingress opening thereinto around the shaft from one direction for suspended solids from the pump and from another direction for air from outside the pump housing together with an egress duct leading back to the pump housing from a point farther away from the shaft than the ingress opening.

2,581,505

LOADING MECHANISM FOR PNEUMATIC GUNS

William S. Wells, Palo Alto, Calif., assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan
Application January 26, 1948, Serial No. 4,295
3 Claims. (Cl. 124—51)



1. Loading mechanism for a pneumatic gun comprising supporting structure, a barrel on said structure having provision at the breech end for receiving shot, a shot retaining magazine on the

structure at one side of the barrel, a shot receiving pocket connecting the breech end of the magazine with the barrel and open at the top; including a link pivoted at its front end on the supporting structure for swinging movement about an axis perpendicular to the barrel and magazine, means at the swinging end of the link extending into the pocket through the open top of the latter and adapted to assume a position in the pocket laterally outwardly from the delivery end of the magazine to enable shot from the magazine to enter the pocket at the inner side of said means, spring means for urging the swinging end of the link in a direction to transfer shot from the delivery end of the magazine into registry with the barrel, a pin movable into the breech end of the barrel from a position rearwardly of the pocket to advance shot forwardly in the barrel, a member movably supported on said structure and connected with the pin, a cam surface on the swinging end of the link, said member being engageable with said cam surface in the forwardmost position of the pin to hold the link in the position aforesaid thereof against the action of the spring means, said cam surface being contoured to permit inward swinging movement of the link by the spring means to transfer shot from the magazine to the barrel in response to withdrawal of the pin from the barrel.

2,581,506

TREATMENT OF OXIDIZED HYDROCARBONS

Carl N. Zellner, New Providence, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application January 10, 1948, Serial No. 1,671
17 Claims. (Cl. 260—485)

1. A method for treatment of an oxidized hydrocarbon mixture as defined hereinafter to prepare and facilitate recoverability of desired esterification products thereof, said oxidized hydrocarbon mixture being characterized by having been prepared by liquid phase reaction of a hydrocarbon mixture with oxygen of a free oxygen-containing gas, having a substantial difference between acid and saponification value, and further characterized by containing, as components of the portion accounting for the difference between acid and saponification value, compounds containing saponifiable groups that are not readily combinable with an alcohol upon treatment of said oxidized hydrocarbon mixture with an alcohol under esterifying conditions, which comprises reacting said oxidized hydrocarbon mixture with an alcohol under esterifying conditions to provide an esterified mixture containing a substantial portion of saponifiable compounds whose saponifiable groups are esterified with the alcohol and compounds possessing saponifiable groups that are not combinable with an alcohol under the esterification conditions, and adding an alkali to the aforesaid esterified mixture in an amount at least substantially equivalent to the number of saponifiable groups in said esterified mixture that are not combined with an alcohol but substantially less than an amount of alkali equivalent to the total number of saponifiable groups in said esterified mixture to selectively saponify the compounds in said esterified mixture that possess saponifiable groups that were not combined with an alcohol, said alkali addition being made in a controlled manner whereby, until an amount of alkali substantially equivalent to the number of saponifiable groups that are not combined with an alcohol has been added, the alkali in the esterified mixture is maintained at a concentration less than sufficient to liberate a substantial amount of alcohol from said esterified mixture.

2,581,507

TREATMENT OF OXIDIZED HYDROCARBON MIXTURES AND PRODUCTS THEREOF

Carl N. Zellner, Providence, and Fred Lister, Elizabeth, N. J., assignors to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application July 27, 1949, Serial No. 107,138
19 Claims. (Cl. 260—485)

1. A method for treating an oxidized hydrocarbon mixture, as defined hereinafter, to increase the recoverability of saponifiable constituents thereof in distillate form, said oxidized hydrocarbon mixture being characterized by having a substantial difference between the acid and saponification values and having been prepared by contacting hydrocarbons in liquid phase at an oxidizing temperature with a gas containing free oxygen to combine oxygen with the hydrocarbons at an average rate related to the oxidizing temperature as follows: substantially above 1.5 liters of oxygen per hour per kilogram of hydrocarbons at an oxidizing temperature of 120° C., substantially above 23 liters of oxygen per hour per kilogram of hydrocarbons at an oxidizing temperature of 160° C., and substantially above 135 liters of oxygen per hour per kilogram of hydrocarbons at an oxidizing temperature of 180° C., which comprises reacting said oxidized hydrocarbon mixture with an organic compound containing a hydroxyl group possessing alcoholic characteristics to combine saponifiable groups of said oxidized hydrocarbon mixture with said hydroxyl-bearing compound and recover from said reaction mixture an amount of alcohol reacted products not in excess of the amount of alcohol reactables in said oxidized mixture as calculated on its acid value.

2,581,508

TREATMENT OF OXIDIZED HYDROCARBON MIXTURES AND PRODUCTS THEREOF

Carl N. Zellner, Berkeley Heights, and Fred Lister, Elizabeth, N. J., assignors to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application September 13, 1949, Serial No. 115,558
20 Claims. (Cl. 260—485)

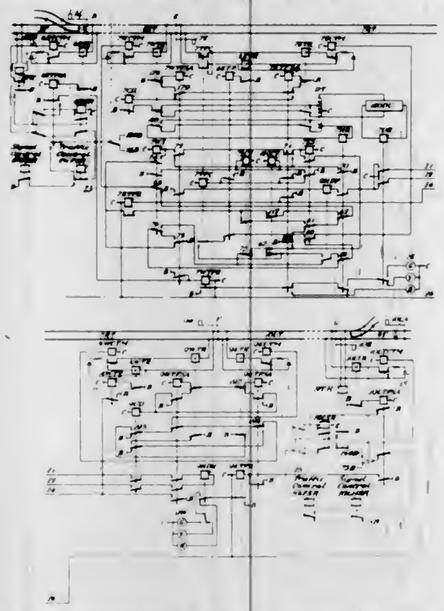
1. An improved method for treatment of an oxidized hydrocarbon mixture, as defined hereinafter, to promote combination between a substantial portion of the saponifiable groups accounting for the difference between the acid and saponification value with an organic compound containing a hydroxyl group possessing alcoholic characteristics, said oxidized hydrocarbon mixture being characterized by having a saponification value of over 400, a substantial difference between acid and saponification value, and prepared by liquid phase oxidation of hydrocarbons with oxygen of a free oxygen containing gas, which comprises reacting an oxidized hydrocarbon mixture of the aforesaid characteristics with an organic compound containing a hydroxyl group possessing alcoholic characteristics for a period of time sufficient to combine with saponifiable groups of said mixture an amount of said alcoholic compound in excess of the theoretical equivalent based on the acid value of said mix-

ture, said reaction being carried out in the presence of an esterification catalyst capable of causing said reaction to continue beyond the extent of combining said alcoholic compound in an amount theoretically equivalent to the acid value of said mixture whereby a substantial portion of the saponifiable groups accounting for the difference between the acid and saponification values of said mixture are combined with said alcoholic compound.

2,581,509
SIGNALING SYSTEM FOR SINGLE-TRACK RAILROADS

Reed B. Annear, Omaha, Nebr., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application January 25, 1949, Serial No. 72,568
5 Claims. (Cl. 246—3)

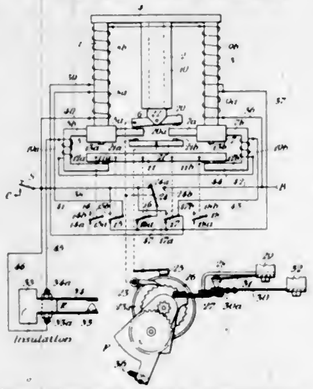


3. In combination with a stretch of railway track comprising a first and a second end section and an intermediate section equipped with cascade connected coded track circuits, and having an intermediate signal for governing traffic movements into the intermediate section from said second end section and an approach signal for governing traffic movements in the same direction into said second section, means for supplying coded currents of a first or second frequency to the rails of the first end section at one end of the stretch for the control of said intermediate signal and for the control of said approach signal, decoding means at the junction of said first end section and intermediate section adapted to supply coded current of the second frequency to the rails of the cascade connected intermediate and second end sections to cause the approach signal to display its proceed aspect when coded current of said first or second frequency is received over the rails of said first end section, code detecting means at the intermediate signal location selectively responsive to coded current received over the rails of said intermediate section, a signal relay for controlling said intermediate signal, a circuit for controlling said signal relay which is closed only when said code detecting means is energized to cause the intermediate signal to display a caution or proceed aspect depending upon whether said decoding means is responding to coded current of said first or second frequency, means for detecting when said signal relay circuit is closed comprising a series connected relay in said circuit at the location of said decoding means, and means controlled by said series connected relay for preventing the decoding means from supplying coded current of the second frequency to the rails except when the circuit for said signal relay is energized.

2,581,510
ELECTRIC RELAYS

Harry E. Ashworth, Penn Township, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application January 8, 1949, Serial No. 69,954
4 Claims. (Cl. 175—320)



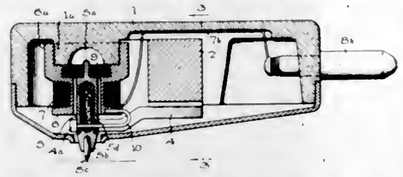
1. A time element relay comprising two operating windings and a holding winding, a timing armature oscillatable by alternate energization of said operating windings, energizing circuits for said operating windings including a double-throw contact finger operated by said timing armature and effective to alternately close said circuits, a timing contact, timing means operated by oscillation of said timing armature and effective after a predetermined number of oscillations thereof to close said timing contact, a main armature, an auxiliary winding effective when energized in conjunction with one of said operating windings to cause said main armature to move from a retracted position to an attracted position, an energizing circuit for said auxiliary winding including said timing contact, at least three contact fingers operated by said main armature, back and front contacts associated with one of said three fingers, said one finger being effective when engaging its back contact to complete a shunt for said holding winding and said auxiliary winding energizing circuit and when engaging its front contact to complete a shunt for said auxiliary winding and an energizing circuit for said holding winding independent of said timing contact, said one finger being effective when moving between its back and front contacts when said timing contact is closed to open both said shunts so that said auxiliary and holding windings are then energized in series over said timing contact, back and front contacts associated with a second of said three fingers, said second finger being effective when engaging its back contact to complete the energizing circuit for one of said operating windings and when engaging its front contact to complete a shunt connection for said one operating winding, and a back contact associated with the third of said three fingers and connected in series with said double-throw contact finger in both said operating winding energizing circuits.

2,581,511
MAGNETIC PHONOGRAPH PICKUP

Donald J. Baker, Los Angeles, Calif.

Application December 31, 1947, Serial No. 795,093
9 Claims. (Cl. 179—100.41)

1. A pickup unit comprising an elongated casing, a magnet arranged within said casing with

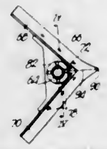


its polar axis transversely thereof, a non-magnetic spool carrying a coil arranged within said casing at the forward end of the casing and with its axis in substantially a vertical direction, a pair of soft iron pole pieces engaging the opposite ends of said magnet and having polar extensions extending forwardly of the casing and terminating adjacent each other at the lower end of said spool and on opposite sides of the spool axis, a magnetic armature positioned within said spool, a disk of yieldable material carried by the upper end of said spool and engaging the upper end of said armature to hold the same centered on the axis of said spool, and a U-shaped loop of resilient wire arranged in a vertical plane between said pole extensions and having the upper leg thereof secured in a socket formed radially in lower end flange of said spool, the lower leg of said loop being secured in a bore formed transversely through said armature near the lower end thereof and serving normally to maintain the lower end of said armature concentric with respect to the axis of said spool.

2,581,512
SOIL SCARIFIER

Curtis C. Baldwin, Whitney, Nebr., assignor, by direct and mesne assignments, to C. Earl Hovey, trustee

Application July 10, 1948, Serial No. 38,055
1 Claim. (Cl. 97—205)

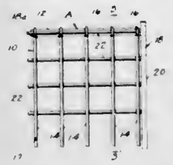


A cultivator shovel comprising a pair of elongated, transversely-angled blades, each having a transversely, concave outermost face and each provided with an uppermost and a lowermost longitudinal edge, the longitudinal axes of the blades being horizontal and converging as one end of the shovel is approached, said blades being in abutting relationship at one end thereof, presenting a cutting edge terminating in a leading point at the proximal end of said lowermost longitudinal edges, said cutting edge being inclined downwardly and forwardly toward said leading point; inturned, face-to-face flanges on said one end of the blades; bolt and nut means releasably interconnecting the flanges; a triangular, shank-receiving, horizontal plate between the blades near the uppermost longitudinal edges thereof having opposed downturned flanges; and bolt and nut means releasably joining the blades to said flanges of the plate.

2,581,513
TRESS BLOCKER

Lillian E. Carr, Washington, D. C.

Application August 23, 1949, Serial No. 111,863
6 Claims. (Cl. 132—45)



1. A tress blocker comprising a first comb member and a second comb member, each member having teeth spaced about one inch apart and being curved to fit the shape of the head, the teeth of the second member extending transversely below the teeth of the first member, and a fastening element secured to one member engaging the other member.

2,581,514
PRODUCTION OF THIASUCCINIC ACID DERIVATIVES

Wilbur B. Chilcote, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

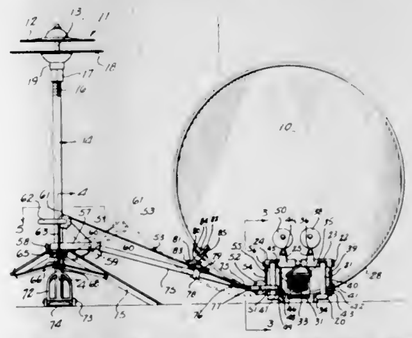
No Drawing. Application November 30, 1949, Serial No. 130,370
5 Claims. (Cl. 260—537)

1. A process for the production of a 2-(1-thia-alkyl) succinic acid which comprises contacting a solution of an alkali metal maleate in an aqueous alkali selected from the class consisting of LiOH, NaOH and KOH, said solution containing substantially no organic solvent, said solution containing at least about 1 mol of free alkali per mol of said alkali metal maleate, at a temperature between about 75° C. and about 125° C. with an immiscible, non-tertiary, saturated, alkyl thiol containing between about 1 and about 30 carbon atoms per molecule, and separating a 2-(1-thia-alkyl) succinic acid thus produced.

2,581,515
DRUM AND CYMBAL BEATING DEVICE

Otto R. Christian, Kansas City, Mo.

Application January 6, 1950, Serial No. 137,185
3 Claims. (Cl. 84—422)



1. A drum and crash cymbal beating device, comprising a support plate disposed adjacent to

the drum and connected with the drum, upstanding spaced posts mounted upon the support plate and spaced from the drum, a substantially horizontal shaft mounted upon the upstanding posts, a first drum beating head pivotally mounted upon the shaft, a foot pedal pivotally mounted upon the support plate and connected with the first drum beating head for actuating the same, a second drum beating head pivotally mounted upon the shaft, a pulley connected with the support plate, a second foot pedal connected with the cymbal for actuating the same, a second pulley connected with the cymbal and spaced from the second pedal, and a flexible element extending between said drum and said cymbal and trained over the first and second pulleys and having its opposite ends connected with the second drum beating head and second foot pedal so that the cymbal and second drum beating head may be actuated together independently of the first drum beating head.

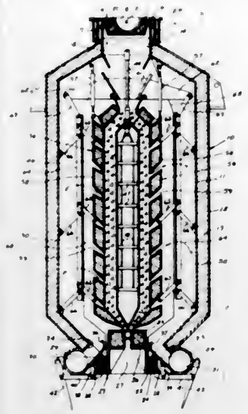
2,581,516
CUP AND INTEGRAL STRAW
Meyer Cohen, Flushing, N. Y.
Application October 10, 1947, Serial No. 779,058
6 Claims. (Cl. 229—7)



1. A container of sheet material having an extension adjacent one end, said extension having one extremity terminating short of one lateral edge between said ends and with its opposite extremity extending beyond the other lateral edge of the blank, the two ends of the material being joined together, the extension being rolled into the form of a tube inside the container adjacent the junction of the ends thereof, the container having a closed bottom, said tube projecting beyond the rim of the container at one end and having an inlet opening at the other end near the bottom of the container.

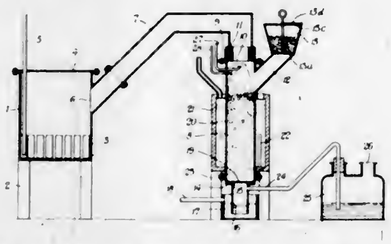
2,581,517
PROCESS AND APPARATUS FOR CARBONIZATION
George Berkley Cramp, Denver, Colo.
Application September 5, 1947, Serial No. 772,386
4 Claims. (Cl. 202—12)

1. In a low temperature process for carbonizing solid carbonaceous material, the steps of providing a plurality of vertical immobile columns of said material, heating one vertical surface of each of said columns by passing a heated gas in indirect heat exchange relation with said surfaces, said gas being of the highest temperature of about 1800 degrees Fahrenheit and being passed in series in heat relation to said columns and a source of heat, periodically changing the position of each column in the cycle with respect to the source of heat whereby the columns will be heated in a series of stages of increasing temperature, yieldably pressing the opposite vertical surface of each of said columns transversely toward said first named surface, withdrawing the vapors and gases transversely of said columns and through the opposite surfaces by suction applied adjacent



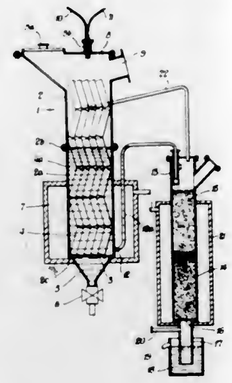
said columns, and condensing the vapors in the areas externally of and adjacent said columns.

2,581,518
OXIDATION OF NITROGEN OXIDE FUMES
Thomas Critchley, Brimsdown, Enfield, England, assignor to Johnson & Sons' Smelting Works Limited, Enfield, England, a British company
Application February 17, 1948, Serial No. 8,823
In Great Britain March 8, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 8, 1966
10 Claims. (Cl. 23—102)



1. A process for effecting total absorption of the nitrogen oxide fumes evolved during a chemical reaction which comprises flowing the oxide fumes at their normal velocity of evolution continuously through a closed vessel containing a column of material presenting large surface areas of contact, air being totally excluded from said closed vessel and the system being maintained at substantially atmospheric pressure; simultaneously introducing into said closed vessel a continuously renewed trickle of a gas, consisting substantially entirely of oxygen, and an aqueous absorbing liquid; regulating the rate of supply and the velocity of flow of the oxygen gas to and through the closed vessel to maintain the pressure substantially constant in the vessel and to replenish oxygen as used in the process of converting the free oxides present to nitric acid, and regulating the rate of supply of said aqueous liquid to conform the velocity of flow thereof to that of the oxygen gas whereby total conversion and absorption of said oxides continuously results.

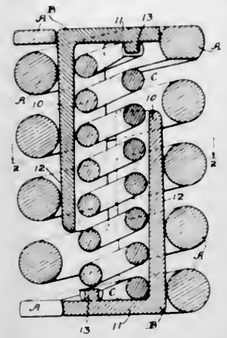
2,581,519
MANUFACTURE OF METAL NITRATES
Thomas Critchley, Brimsdown, Enfield, England, assignor to Johnson & Sons' Smelting Works Limited, Enfield, England, a British company
Application February 17, 1948, Serial No. 8,825
In Great Britain March 8, 1946
3 Claims. (Cl. 23—102)



1. A process for the manufacture of a metal nitrate by reaction of nitric acid on a metal giving rise to the evolution of the higher oxides of nitrogen, which process comprises immersing a column of the selected metal at least partly in a solution of the nitrate of said metal maintained at a predetermined height surrounding and displaceable from said column, continuously bringing a film of nitric acid at a regulated rate into contact with the upper portion of said metal column to cause reaction of said acid with said metal with continuous formation of nitrate solution and constant evolution of a regulated amount of nitrogen oxide fumes, simultaneously continuously introducing to said reaction zone oxygen gas at a rate sufficient to replace the oxygen used in converting the evolved nitrogen oxides directly to nitric acid and to maintain the pressure in the reaction zone substantially constant, causing said reconverted nitric acid to react with said metal to increase the concentration of the nitrate solution, and continuously removing the nitrate solution as additional nitrate solution is formed.

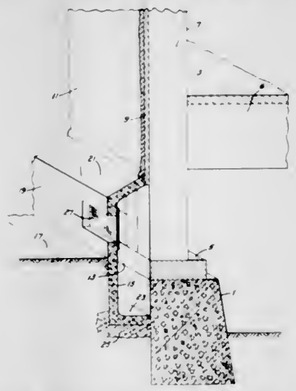
2,581,520
FRICTION SHOCK ABSORBER FOR RAILWAY CAR TRUCK SPRINGS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application July 30, 1948, Serial No. 41,606
2 Claims. (Cl. 267—9)

1. In a friction shock absorber, the combination with a lengthwise disposed outer coil spring; of a pair of relatively lengthwise movable friction elements at opposite ends of the device having sliding frictional engagement with the interior of said outer coil spring; and a lengthwise extending inner coil spring between said friction elements, having shouldered engagement at opposite ends with said elements to oppose lengthwise movement thereof toward each other, said inner coil spring being under tension in canting direction, one side of said inner coil spring at one end thereof bearing on the inner side of one of said elements, and the opposite side of said inner coil spring at the other end thereof bearing on the inner side of the other element to spread said elements apart into tight frictional



contact with the inner sides of the coils of said outer spring.

2,581,521
BUILDING CONSTRUCTION
Wayne K. Davis, Berkeley, Calif.
Application June 18, 1946, Serial No. 677,433
1 Claim. (Cl. 72—0.5)



A building construction comprising a foundation wall below the surface of adjacent surrounding soil, a wood super-structure supported thereon and including spaced wood studding disposed along said foundation wall and subject to infestation by termites, outside wall material affixed to said studding upwardly from an elevation above said soil surface, leaving openings between said studding in the region below said elevation, and a wall of termite resistant material in horizontal spaced relationship to said foundation wall and said super-structure and having a lateral flange along its upper edge extending to said superstructure at substantially the starting elevation of said outside wall material, and a lateral flange along its lower edge extending to said foundation wall.

2,581,522
STOKER CONTROL APPARATUS
Joseph D. Donna, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 24, 1948, Serial No. 28,912
8 Claims. (Cl. 236—9)

4. In combination, an electric transformer secondary winding having two end terminals and a tap therebetween, a first resistor connected at

one end to said tap, a second resistor, means connecting one end of said second resistor to one of said end terminals, a pair of electrical circuit connecting means located on said other end terminal and the other end of said second resistor and adapted to be connected to a variable condition responsive impedance, means including said secondary winding and said resistors, when connected with the variable impedance, forming an electrical network having output terminals at the other end of said first resistor and at said connecting means on said second resistor, elec-



trical signal detecting means connected to said output terminals and adapted to control operation of condition changing means in accordance with the signal voltage on said output terminals, and a second pair of electrical circuit connecting means one of which is common to one of said output terminals and the other of which is common to one of said end terminals, said pair adapted to be connected to condition responsive switching means having switch contacts and when so connected causing the voltage on said output terminals to be varied upon operation of the switching means.

2,581,523

METHOD OF STAINING SLIDES AND STAINING SOLUTIONS THEREFOR

Andrés Ferrari, Jr., New York, N. Y., assignor, by mesne assignments, to Technicon Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application November 3, 1948, Serial No. 58,161
16 Claims. (Cl. 8—3)

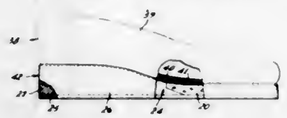
9. The method of staining animal-tissue for microscopic examination, comprising applying to the tissue a solution of a staining medium formed by oxidizing hematoxylin, a mordant for said staining medium, said staining medium and mordant being present in the solution in equivalent chemical combining weights of the staining medium and mordant, respectively, for staining only the basophilic materials of the tissue, said solution also containing a buffer system to maintain the same in an acidic state and having an ionic concentration favorable to staining the tissue and maintaining the solution in a stable condition, then treating the tissue with a reducing agent to develop the color of the stain on the tissue, and then applying to said tissue an eosin solution to stain the acidophilic material of the tissue, said eosin solution containing a mordant in amount substantially the chemical equivalent of the amount of eosin present, and a buffer in amount to impart to said eosin solution a pH of about 6 and having an ionic concentration favorable to staining the tissue and maintaining the solution in a stable condition.

2,581,524

METHOD OF MAKING MIDSOLE-OUTSOLE ASSEMBLIES FOR SHOES

George C. Ford, San Marino, Calif., assignor to Joyce, Inc., Pasadena, Calif., a corporation of California

Application June 25, 1948, Serial No. 35,200
1 Claim. (Cl. 12—146)



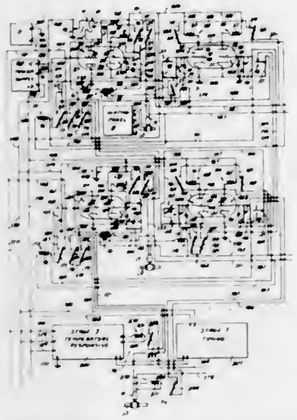
In the art of making edge covered outsoles and midsoles assemblies, the novel step of providing a midsole, an outsole of rough surfaced crepe rubber material and a cover for the outsole and midsole of rough crepe rubber material, said crepe rubber material being amenable to cement and pressure bonding, applying cement to said cover and to the portions of the midsole and outsole to be covered, pressing said cover onto said soles with the lower edge of the cover flush with the bottom of the outsole, heating said joined cover and outsole, deforming the material at the juncture of cover and outsole by stretching and pinching together the material all around the outsole to establish substantially full area contact and adhesion between the edge of said outsole and the contiguous surface of said cover, and releasing the stretched and pinched materials permitting the same to return to substantially normal shape.

2,581,525

TEMPERATURE CONTROL APPARATUS

Gene T. Gaddis, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application July 17, 1948, Serial No. 39,350
20 Claims. (Cl. 236—1)



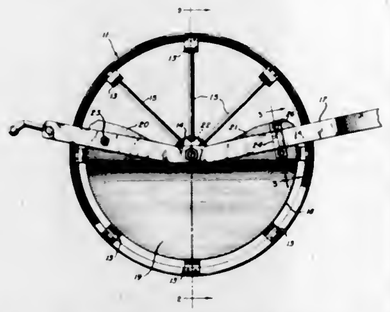
10. A temperature maintaining control apparatus comprising in combination, demand indicating means being operative to indicate the amount of heat needed to maintain a constant temperature in a given space, cycling means being operable to operate in cycles of varying time periods and energize heating means, means connecting said indicating means to said cycling means to variably adjust the time periods of operation of said cycling means, an electron discharge device, said device being operable when energized to disconnect said indicating means from said cycling means, means connected common to said device and said cycling means for energizing said discharge device only when the time period of operation of said cycling means exceeds a predetermined value, and means actuated by the energization of said discharge device to alter the operation of said cycling means from cycling operation to continuous operation.

2,581,526

CORN PLANTER WHEEL SHIELD

Clarence P. Geyer, Mason City, Iowa

Application September 9, 1949, Serial No. 114,861
3 Claims. (Cl. 97—188)



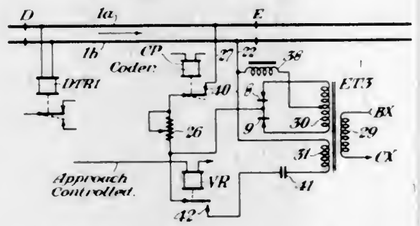
1. In a corn planter, a planting wheel comprising a pair of spaced rim members, means connecting said rim members and including a hub, a shaft extending rotatably through said hub, a pair of drawbar elements secured to the ends of said shaft, and respective semi-circular shield elements secured at their straight edges to said drawbar elements and extending downwardly and inwardly therefrom, the semi-circular margins of said shield elements extending inwardly and in concentric arrangement with their respective rim members.

2,581,527

TRACK CIRCUIT APPARATUS

Robert M. Gilson, Pittsburgh, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application April 6, 1948, Serial No. 19,352
4 Claims. (Cl. 246—34)



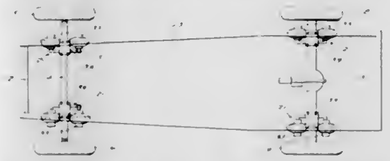
1. In a track circuit for a track section through which traffic moves in a given direction, the combination comprising, a direct current track relay connected across the rails at the entrance end of the section, a transformer having a primary winding and a first and a second secondary winding, said primary winding connected to a source of alternating current, a reactor having inductance, a full wave rectifier; a first circuit including in series said first secondary winding, said rectifier and said reactor and connected across the rails at the exit end of the section to supply a full wave rectified current for energizing said track relay when the section is unoccupied; an impedance device, a second circuit including in series said second secondary winding and said impedance device and connected across the rails at the exit end of the section to supply an alternating current which is available for operating a cab signal when a train moves through the section, said reactor disposed in said first circuit with respect to said rectifier to substantially block the alternating current of the second circuit from unbalancing said rectifier, and said impedance device disposed adjacent said second secondary winding to minimize the flow of said rectified current through the second secondary winding.

2,581,528

VEHICLE SUSPENSION

Sherwin B. Griswold and Dale G. Griswold, Newton, Kans.

Application May 4, 1948, Serial No. 24,934
10 Claims. (Cl. 267—65)



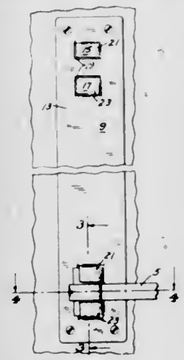
1. A vehicle suspension unit comprising a bracket secured to a vehicle frame member, a loop suspension rod provided with two open arms supported at its loop end by said bracket and provided with a turnbuckle for altering the length of one of its said arms, a twin housing secured to the vehicle axle, and resilient means within said twin housing supporting the open ends of the arms of said suspension rod.

2,581,529

BINDING STRAP ANCHORING MEANS

Warren D. Hall, Oakland, Calif.

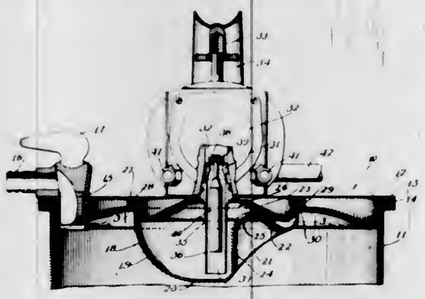
Application October 26, 1946, Serial No. 705,879
5 Claims. (Cl. 105—369)



1. Binding strap anchoring means comprising an anchoring strip for affixation to a wall of a freight carrier, said strip including a pair of tabs lying in a proximate substantially parallel plane, said tabs being spaced apart a distance in excess of the width of a binding strap to be anchored; an anchor for reception beneath said

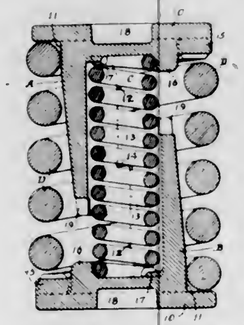
tabs said anchor comprising a plate of substantially rectangular shape having a centrally disposed opening of a length permitting the threading of a strap therethrough, and means for precluding release of said anchor from behind said tabs when pull is exerted on said anchor in one direction.

2,581,530
MILKING MACHINE TRAP
William H. Harstick, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 22, 1949, Serial No. 134,496
7 Claims. (Cl. 119—14.46)



1. In a milker receptacle having a milk inlet connection, a trap for the receptacle, said trap including a trap chamber disposed within the receptacle, and a vacuum connection for said chamber being adapted to be connected to a source of vacuum, said trap including a dimpled portion projecting inwardly into said trap, said dimpled portion including an opening communicating with the upper portion of said trap chamber, said opening also communicating with the upper portion of said milker receptacle to provide for communication between the vacuum connection and said milker receptacle.

2,581,531
FRICTION SHOCK ABSORBING MECHANISM FOR RAILWAY CAR TRUCKS
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application July 13, 1948, Serial No. 38,464
7 Claims. (Cl. 267—9)



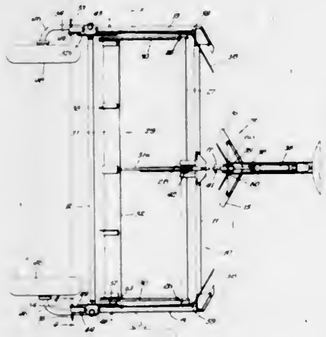
1. In a friction shock absorbing mechanism, the combination with a pair of hollow friction posts movable toward and away from each other lengthwise of the mechanism, said posts having longitudinally extending, interengaging friction surfaces at diametrically opposite sides of the mechanism, said friction surfaces at opposite sides of the mechanism being in transverse alignment, each post having a fixed follower thereon, said followers being at opposite ends of the mechanism; of a coil spring within said posts opposing relative approach thereof; and a second coil spring opposing relative approach of said posts, said second spring surrounding said posts and bearing at opposite ends on said followers respectively.

2,581,532
SKI
Arne G. Hem, Hot Sulphur Springs, Colo.
Application August 23, 1946, Serial No. 692,522
1 Claim. (Cl. 280—11.13)



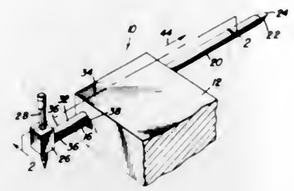
A ski comprising an elongated body formed of moldable plastic material, a comparatively thin strip fabricated of metal positioned longitudinally of and within said body and completely surrounded by and integrally bound in said body, said strip being provided with a plurality of spaced holes extending therethrough, and opposed angle members fixedly embracing the under face and adjacent side edges of said body.

2,581,533
AGRICULTURAL IMPLEMENT
James L. Hipple, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 30, 1946, Serial No. 693,947
5 Claims. (Cl. 37—169)



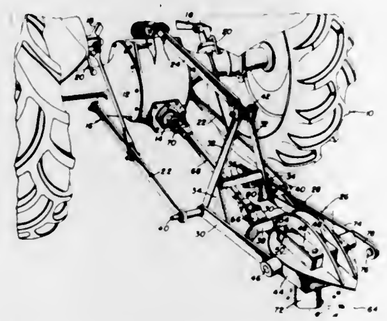
1. An earth working implement adapted to be drawn by a tractor or the like comprising a transverse frame, a tool carried by the frame, an arm pivoted on a vertical axis at each end of the frame and extending rearwardly therefrom, a wheel journaled on the end of said arm, said arm being swingable about its pivot to move said wheel from a position rearwardly of the frame to a position alongside the frame, latching mechanism carried by the frame at opposite sides of said pivot, latching means on the arm cooperable with each of the latching mechanisms on the frame to lock the wheel in either of its positions, and means accessible to the tractor operator for releasing said latching mechanism in either position of the wheel.

2,581,534
MARKING INSTRUMENT
William M. Hungerford, Manhattan, Kans.
Application March 21, 1949, Serial No. 82,613
1 Claim. (Cl. 33—42)



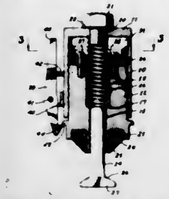
In a marking instrument, the combination of a holder formed with a transverse passage, a hollow stem slidable in said passage and projecting at both ends therefrom, a scribing implement mounted at one end of said stem, the remaining end of the stem affording a guiding extremity, a reel rotatably mounted in said holder, a flexible element windable on said reel, said stem being provided with a longitudinal slot, said element extending into said stem through said slot and having its free end anchored to the scribing implement carrying end of the latter, and resilient means for rotating said reel whereby said guiding extremity may be urged in engagement with a guiding surface.

2,581,535
HOLE DIGGING ATTACHMENT FOR TRACTORS
Henry F. Jackson, Headland, Ala.
Application September 28, 1948, Serial No. 51,516
2 Claims. (Cl. 255—19)



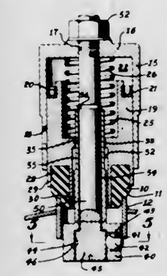
1. In combination with a tractor having a liftable and lowerable implement carrying arms, a hole digging attachment comprising a bracket pivotally attached to said arms, a gear head pivotally mounted in said bracket and swingable on a horizontal axis, an auger carried by said head and disposed vertically when in an operating position, and a tilting lever pivotally connected intermediate the ends thereof to said bracket at the point of connection of said head to the latter, one end of said lever being operatively connected to said head and the remaining end portion thereof being engageable with one of said arms upon lifting of said arms whereby said head may be automatically swung and said auger tilted to an inclined position when not in operation.

2,581,536
SELF-SEALING TEST PLUG
Stanley S. Johns, Baltimore, Md., assignor to Rheem Manufacturing Company, Richmond, Calif., a corporation of California
Application October 7, 1946, Serial No. 701,807
13 Claims. (Cl. 73—37)



1. A self-sealing test plug comprising a housing member having a closed end, a reciprocating member in the housing member forming therewith an inner chamber, a transversely disposed sealing element on one member adapted to engage in sealing contact with a rim of an aperture in a vessel to be tested, an anchoring means comprising a stem secured to the other of said members and an anchor head secured to said stem adapted to be extended into the aperture for engagement with the inner surface of said vessel, and a passage communicating between the chamber and the interior of said vessel.

2,581,537
SELF-SEALING TEST PLUG
Oliver Maisch, Chicago, Ill., assignor to Rheem Manufacturing Company, Richmond, Calif., a corporation of California
Application July 19, 1949, Serial No. 105,527
8 Claims. (Cl. 220—25)



7. A plug for sealing an aperture having inner and outer edges in a container during fluid pressure-testing comprising an anchor member formed with a head adapted to be inserted through the aperture and to be expanded after insertion to engage the inner edge of the aperture, a resilient annular gasket around said anchor member, said gasket having an outside diameter larger than the diameter of the aperture and adapted to be compressed against the outer surface of the container adjacent the periphery of the aperture to effect a sealing engagement therewith, a housing having relatively movable end elements defining an expandable pressure chamber, said anchor member being secured to one of said end elements, said gasket being secured to the other of said end elements, and means defining fluid communication between said container and said chamber whereby fluid pressure introduced into the container will cause relative movement of the end elements and urge said gasket and the head of said anchor member together to effect a pressure seal across the aperture, said anchor member

comprising a substantially cylindrical head having an axial bore therein and a plurality of radial bores intersecting said axial bore, a cam head rotatably disposed in said axial bore and non-rotatably secured to one of said end elements, a cam follower reciprocally disposed in each of said radial bores, said cam head being formed with a cam surface adapted to cooperate with each of said cam followers, and means associated with the end element other than the one mounting said cam head adapted to cause rotation of said cam followers with respect to said cam, thereby causing expansion of said head.

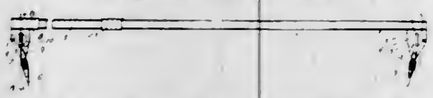
2,581,538

EXTENSION BEAM DRAFTING INSTRUMENT

Joseph F. Joy, Pittsburgh, Pa., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application March 24, 1947, Serial No. 736,825

4 Claims. (Cl. 33—158)



1. In an extension beam drafting instrument, the combination comprising a pair of cooperating telescopically arranged, relatively axially adjustable, flat beam sections, the outer beam section being tubular and having a slotlike opening extending along a flat side thereof a major portion of its length, said beam sections being relatively axially adjustable between a position wherein their remote ends are spaced apart nearly the full cumulative length of said sections and a position wherein said ends are in close proximity, and work holders for drafting elements secured to said ends respectively of said beam sections between the side edges of said beam sections, said holders when in use disposed at substantially right angles to the planes of the flat sides of said beam sections at the side of the instrument toward the work, the flat side surfaces of said beam sections being substantially parallel to the surface of the work during normal use of the instrument, the holder secured to the inner beam section moving in said slotlike opening during a portion of the relative adjustment of said beam sections, and said drafting elements being disposable in zero position when said ends are in close proximity as aforesaid.

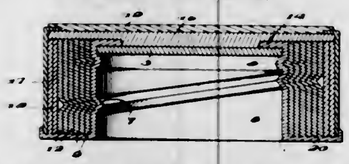
2,581,539

CLOSURE CAP

William J. Keith, Brookline, Mass., assignor to Keith-Peabody, Inc., Brookline, Mass., a corporation of Massachusetts

Application May 9, 1946, Serial No. 668,527

3 Claims. (Cl. 93—1)



1. In the method of making a closure cap on a roll mandrel having a peripheral groove therein, the steps comprising winding thin non-metallic material on said mandrel, embossing a groove in said material by pressing the material into the groove in the mandrel to form a securing projection at the inner side of the cap, applying additional layers of non-metallic material over said first layer and individually embossing said successive layers by pressing the material thereof into the embossed groove of the preceding layer.

2,581,540

METHOD OF REDUCING CORROSION IN WELLS

Harvey T. Kennedy, Oakmont, Pa., and Walter F. Rogers, Houston, Tex., assignors, by direct and mesne assignments, to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application September 2, 1948, Serial No. 47,541

7 Claims. (Cl. 252—8.55)

1. A method of reducing corrosion in a well which consists in disintegrating in the well stream compressed shapes of a mixture produced by dissolving melamine resin in magnesium chloride brine in the proportions of about 3 pounds melamine resin to 3.6 pounds magnesium chloride solution of specific gravity 1.19, then mixing such solution with sodium bicarbonate and calcined magnesia in the proportion of about 100 pounds sodium bicarbonate to 2.5 pounds calcined magnesia.

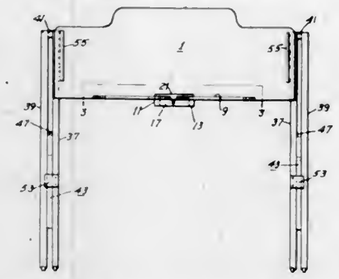
2,581,541

READING STAND

Edwin C. Knops, Berkeley, Calif.

Application May 26, 1947, Serial No. 750,506

4 Claims. (Cl. 45—61)



1. A reading stand comprising a backboard; a shelf extending from said backboard adjacent the lower edge thereof for supporting a book or the like; adjustable means supporting said backboard at reading elevation; and means for clamping such book or the like in flat open position on said shelf, said means including a track guide mounted adjacent said shelf transverse thereof, a carrier slidably mounted on said track guide, a clamping blade carried by said carrier above the plane of said shelf; and means normally holding said clamping means with said clamping blade in resilient pressure engagement with said backboard, said holding means including a spring behind and lying parallel to said backboard and anchored at one end, means connecting said spring under tension, to said carrier, and pulley means for guiding such connecting means.

2,581,542

ROTARY BALER

Heinz Kolzing, Shelbyville, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application May 1, 1946, Serial No. 666,351

14 Claims. (Cl. 100—1)

1. In a baling machine having a baling mechanism for compressing and rolling detached vegetation into a cylindrical bale, means for driving said baling mechanism, pick-up means for continuously gathering vegetation during operation of said baling mechanism, means for feeding vegetation to said baling mechanism, mechanism operative to arrest the supply of gathered vegetation supplied to said feeding means in response to the formation of said bale to a predetermined



diameter, means for discharging said formed bale from said baling mechanism, a wrapping and tying mechanism adjacent said baling mechanism, said mechanism including a receiving means for the formed bale, and trip means engageable by the formed bale for actuating said wrapping and tying mechanism to wrap and tie said bale with a binder material.

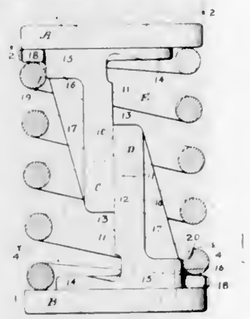
2,581,543

FRICTION SHOCK ABSORBER FOR RAILWAY CAR TRUCKS

Edward H. Lehman, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application June 25, 1948, Serial No. 35,204

4 Claims. (Cl. 267—9)



1. In a friction shock absorbing mechanism, the combination with an upper friction post having a laterally outwardly facing abutment surface on the outer side thereof at one side of the mechanism; of a lower friction post having a laterally outwardly facing abutment surface at the outer side thereof at the opposite side of the mechanism, said posts having lengthwise sliding engagement with each other on their inner sides; and a helical coil spring canted in its free state before application to the mechanism, said coil spring being applied in surrounding relation with respect to said posts stressed toward the vertical with the inner sides of the coils at the top and bottom ends in bearing engagement respectively with said abutment surfaces of said upper and lower posts.

2,581,544

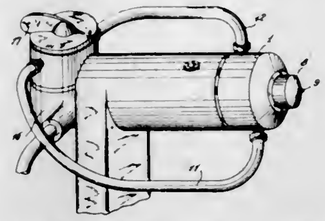
DIAMOND TOOL ASSEMBLY

Joseph Loecy, Jr., Euclid, Ohio

Application November 29, 1948, Serial No. 62,449

1 Claim. (Cl. 125—11)

In a device of the class described, the combination of a cylinder, a piston having straight-line movement within said cylinder, a dressing tool carried by said piston, said cylinder having supply connections for application of hydraulic pressure to either end of said piston chamber for moving said piston either forwardly or rearwardly therealong, a valve in said supply connections for determining the application of the hydraulic pressure individually to one or the



other end of said piston, hydraulic means including an annular duct provided in said piston and auxiliary ducts inclined therefrom towards one end of said cylinder and operative only during straight-line movement of said piston for thereby effecting simultaneously a rotative movement of said piston and dressing tool predominantly in only one direction and for holding the same in such changed position with relation to the work.

2,581,545

AQUATIC AMUSEMENT DEVICE

Weldon H. Long, Muskegon, Mich.

Application May 1, 1950, Serial No. 159,337

1 Claim. (Cl. 9—17.5)



In an aquatic amusement device, an annular tubular inflatable member, a seat embodying a seat section, arms extending upwardly from the seat section, the upper ends of said arms being curved conforming to the shape of the inflated tubular member, said curved ends being fitted over the tubular inflated member held in place by frictional contact with said tubular inflatable member, and a clamping member providing a semi-circular body curved to fit around the tubular member embracing the tubular member and curved ends of said arms, securing the arms against accidental displacement.

2,581,546

TUBULAR ELECTRIC DISCHARGE LAMP UNIT

Ernö Mann, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, as trustee

Application April 27, 1946, Serial No. 665,398

In the Netherlands October 29, 1942

Section 1, Public Law 690, August 8, 1946

Patent expires October 29, 1962

2 Claims. (Cl. 315—100)

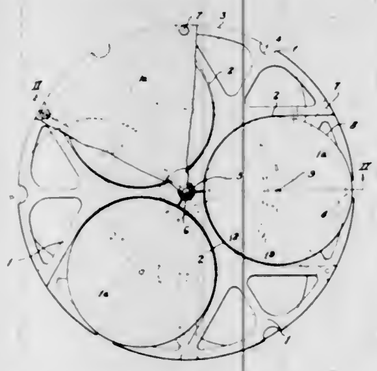
1. In combination, a pair of spaced lamp holders one of which is provided with a pair of contacts and a pair of terminals for connection to a power source, each of said contacts connecting to one of said terminals, and the other of which includes a pair of contacts and a starting switch connected across said contacts, the said

other holder being free from terminals for connection to the power source, and an elongated gaseous electric discharge lamp having an elongated envelope mounted in said holders and comprising at each end an electrode of the preheated type and a pair of contact prongs extending longitudinally from each end of the lamp engageable with respective contacts of one of the lamp holders and one of which prongs is electrically connected to one end of the adjacent electrode



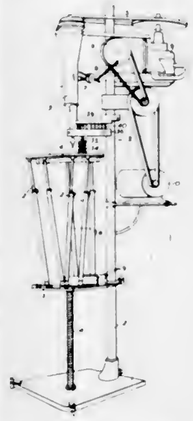
and the other of which prongs is free of such connection, and a pair of conductors integral with and extending along the envelope and each oeing connected to the free prong at one end of the lamp and to the free end of the electrode at the opposite end of the lamp whereby the lamp is properly connected electrically in any position in which it may be inserted in said lamp holders and said starting switch is electrically connected through said conductors for effecting starting and operation of the lamp.

2,581,547
ROTARY STORAGE RECEPTACLE FOR DISKLIKE OBJECTS
Florian K. Martini, Los Angeles, Calif.
Application September 24, 1948, Serial No. 51,082
In Great Britain September 26, 1947
3 Claims. (Cl. 312—11)



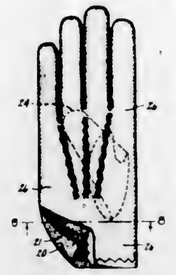
1. A storage receptacle for disc-like objects which includes: a first set of supporting members, each of said members being generally circular in shape with a plurality of pockets therein each adapted to receive one of said disc-like objects, said pockets constituting the major portion of each of said supporting members, and terminating outwardly of the center of said supporting members, each of said members having spacing portions between said pockets; a second set of supporting members identical to said first set but angularly offset therefrom so that said pockets of said second set of supporting members are midway between pockets of said first set of supporting members, the members of said first set being alternated with the members of said second set, with the spacing portions of one set of supporting members forming the upper and lower wall of said pockets of the other set of supporting members, adjacent supporting members bearing against each other only at their centers, inwardly of said pockets, and where said spacing portions overlap at their peripheries; means holding said first and second sets of supporting members together to form a cylindrical assembly; and means supporting said cylindrical assembly for rotation about its axis of symmetry.

2,581,548
MECHANISM FOR AUTOMATICALLY POSITIONING A MEMBER IN A SERIES OF PREDETERMINED POSITIONS
John McFarlane, Bangor, Northern Ireland
Application December 3, 1947, Serial No. 789,512
In Great Britain December 5, 1946
21 Claims. (Cl. 144—96)



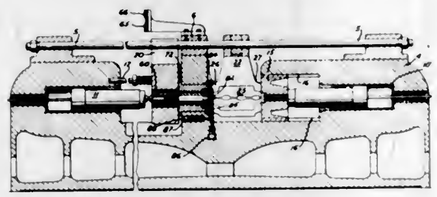
1. A mechanism for automatically positioning in a series of predetermined relative positions a work holder and a tool which are capable of relative translational movement and relative advancing and separative movement, said mechanism comprising a track member having track means therein and a plurality of locating recesses located along the track at predetermined positions, the track being sloped down from one recess to the next recess, a follower member urged to engage the track so that the track slope causes the follower member to move along the track until stopped by engagement in the recess, and release means for removing the follower from the recess on to the top of the next track slope to cause the follower to be urged relatively to the track means to engage and be retained by the next recess and so cause a step of said relative translational movement.

2,581,549
REFLECTING SIGNAL GLOVE
Calvin C. McGaugh, Dallas, Tex.
Application August 28, 1950, Serial No. 181,773
5 Claims. (Cl. 88—80)



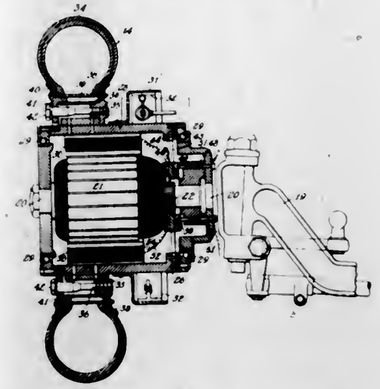
1. A traffic-signalling glove comprising fingers, a palm portion and a back portion, all parts thereof being formed of flexible material fitting and conforming to the wearer's hand, the outer surfaces of the back portion and the backs of the fingers being formed of a warp knit tricot fabric stretchable transversely of the hand and relatively non-stretchable lengthwise of the hand coated with a substantially continuous and uniform layer of reflex light-reflecting material, said layer being pliable to conform to the material of the glove and to the shape and movements of the wearer's hand within said glove.

2,581,550
EXTRUSION MOLDING MACHINE
Charles C. Misfeldt, Chicago, Ill.
Application June 20, 1944, Serial No. 541,135
9 Claims. (Cl. 18—30)



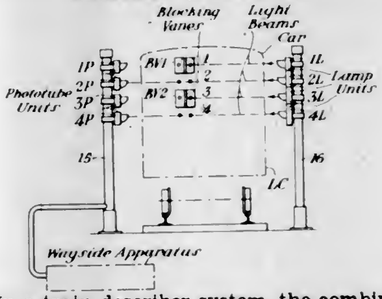
2. A molding machine comprising means for holding a mold, a mold supported thereby and having an opening thereto for the introduction of moldable material, a pressure chamber open at one end and terminating at its other end in a discharge opening to said mold, a barrel rotatably mounted on said machine and having a plurality of slug receivable inserts circularly disposed on a radius from said barrel mounting to bring said inserts successively into alignment with the open end of said pressure chamber upon rotation of said barrel, a heating coil surrounding each slug receivable insert and terminating in a pair of brushes, a contact disposed in the path of movement of one of said brushes, a series of contacts of increasingly higher potential with respect to said first contact and disposed in the path of movement of said other brush, and piston means in alignment with said pressure chamber and successively aligning inserts and having a piston travel approaching said discharge opening.

2,581,551
MEANS FOR POWERING VEHICLES
George M. Myrmirides, Brooklyn, N. Y.
Application April 14, 1948, Serial No. 20,969
1 Claim. (Cl. 172—287)



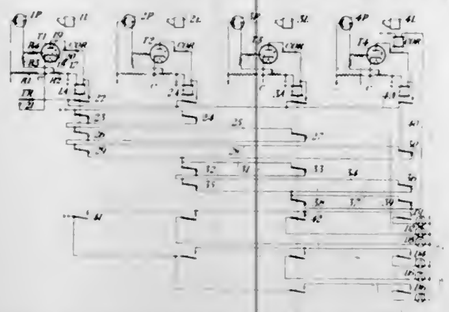
An automobile wheel and mounting comprising a non-rotatable shaft, an armature and commutator therefor secured fast on the shaft, inner and outer circular housing caps secured fast on the shaft at the inner and outer end portions thereof, a hollow cylinder in axial alinement with the shaft and having the inner and outer end portions of the cylinder mounted for rotating on said caps, balls between the caps and end portions, magnet poles secured on the interior face of the cylinder and adapted to cooperate with the armature, means for mounting a tire on the cylinder, a spider having the arm thereof secured to the interior of the cylinder outwardly of the inner plate and adapted to rotate with the cylinder around the commutator, brushes mounted on the spider and engaging the armature, concentric slip rings on the inner face of the spider and insulated from each other, and brush means passing through the inner cap and engaging the rings.

2,581,552
RAILWAY TRAIN DESCRIBER
Bernard E. O'Hagan, deceased, late of Swissvale, Pa., by Clare O'Hagan, administratrix, Swissvale, Pa., and Paul N. Martin, Penn Township, Allegheny County, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application September 6, 1946, Serial No. 695,204
8 Claims. (Cl. 246—2)



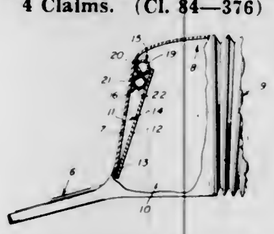
1. In a train describer system, the combination comprising, train carried light blocking vanes adapted to be attached on the front of a train at different positions above the track rails to form different route markings for the train by

preselection of the positions at which such blocking vanes are attached, light units mounted at a wayside point passed by the train in moving to any one of a plurality of different routes, there being a light unit for each position at which said light blocking vanes can be attached, each said light unit disposed to direct a light beam across the track for the beams to be intercepted ac-



cording to the positions at which the vanes are attached, phototube units one for each light unit and mounted directly across the track opposite the light units and each disposed to receive the beam of the respective light unit, and wayside apparatus including route indication means connected to said phototube units to display a route indication according to the intercepting of the light beams by the light blocking vanes.

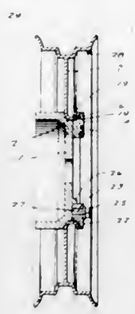
2,581,553
TONE IMPROVING MEANS FOR ACCORDIONS
Marvin H. Pakman, Trenton, N. J., and Angelo J. Dellaira, Astoria, N. Y.
Application August 22, 1949, Serial No. 111,654
4 Claims. (Cl. 84—376)



2. In a piano accordion, a casing embodying a source of sound wave production and a tone wave trapping chamber having an apertured grille, a plurality of resonating tubes mounted on the interior of said chamber and close to the stated grille, and a sound board, said sound board being opposed to said grille and providing a pocket and said tubes being arranged in side-to-side contacting parallelism and situated in said pocket.

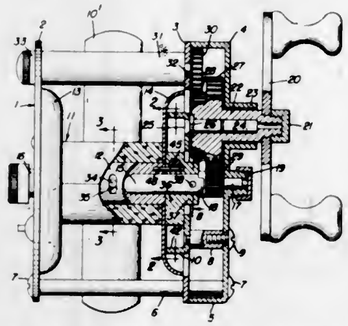
2,581,554
DEMOUNTABLE WHEEL
Edward E. Radford, San Francisco, Calif.
Application November 19, 1946, Serial No. 710,810
2 Claims. (Cl. 301—24)

1. In combination, a brake drum having an outboard web having a peripheral edge, said peripheral edge being formed with a first concave, quarter-circular half-groove extending around said edge, a pair of fixed circumferentially spaced fastening plates secured on the outboard side of said web and having radially outwardly extending end portions reaching radially across said first quarter-circular half-groove, said end portions being formed on their inboard sides with second quarter-circular half-grooves cooperating with said first half-groove to define semi-circular grooves facing in a radially outward direction, a wheel having a radially inwardly positioned annular flange, said flange being of semi-circular convex cross section and arranged to conformably seat in said semi-circular grooves, and a removable clamping plate positioned between said fixed clamping plates, said removable clamping plate being mounted on the outboard side of the drum



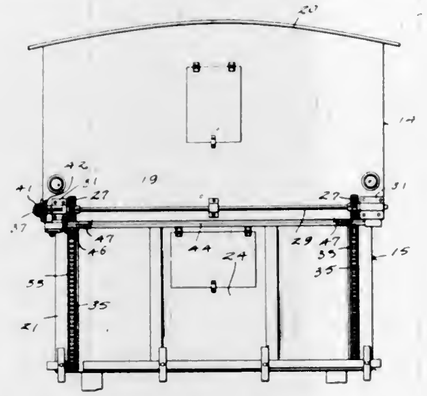
web opposite said fixed clamping plates, said removable clamping plate having a radially outwardly extending end portion formed with a third concave, quarter-circular half-groove similar to said second half grooves and complementary to the half-groove in the periphery of the drum web, and means for releasably clamping said removable clamping plate in place with its half-groove retainably engaging the opposite side of the annular wheel flange from that engaged by said first half-groove in the peripheral edges of the drum web.

2,581,555
BRAKE MECHANISM FOR CASTING REELS
Herman Randick, Chicago, Ill.
Application February 1, 1950, Serial No. 141,774
5 Claims. (Cl. 242—84.5)



1. In a casting reel for a fishing line, a spool for forward rotation under pull of the line in casting and reverse rotation to retrieve the line, a spool reversing shaft extending therethrough and rotatable forwardly and reversely, a delayed action pickup connection between said spool and shaft providing for free overrruning rotation of said spool on said shaft to pick up and rotate said shaft forwardly during casting, a normally engaged brake for said spool, means operative by forward free rotation of said spool on said shaft to release said brake, said brake engaging under the action of centrifugal force if the speed of forward rotation of said spool when the line slackens becomes slower than that of said shaft under momentum thereof, and manual means for rotating said shaft reversely to reverse said spool and retrieve said line, said pickup connection comprising a diametrical pin extending through said shaft, and diametrically opposite circumferential slots in said spool into which said pin extends.

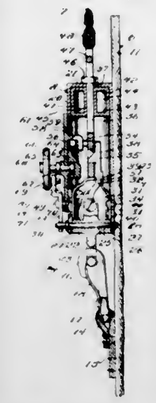
2,581,556
TELESCOPIC CAMPING TRAILER
Curt R. Rogers, Gatesville, Tex.
Application March 23, 1950, Serial No. 151,425
1 Claim. (Cl. 296—23)



A trailer comprising upper and lower telescoping body sections, wheels carried by said lower section, a pair of horizontal shafts disposed one at each end of said upper section, bearings for said shafts fixed to said upper section, a longitudinal shaft rotatably carried by said upper section, gears connecting said longitudinal shaft with said pair of shafts, a pair of vertically disposed toothed racks disposed one pair at each end of said lower section and fixed to the latter, a pair of toothed wheels fixed to each of said pair of shafts and meshing with said racks, a spring-pressed pawl shaft at each end of said upper section, a pair of pawls carried by each pawl shaft engaging said racks, and means latching said pawl shafts in pawl released position, said last mentioned means including a disc-shaped keeper having a pair of notches therein mounted on said pawl shaft, and a locking bolt mounted adjacent said disc selectively to lock said shaft in pawl engaged or pawl disengaged position.

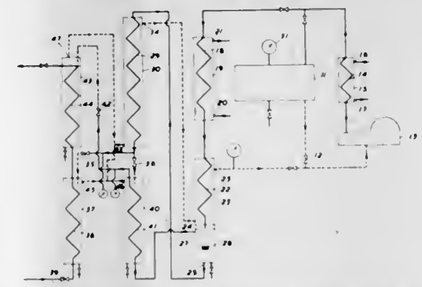
2,581,557
PARACHUTE UNFASTENER
Luis Alberto Villafuerte Rozas, Cuzco, Peru
Application May 10, 1950, Serial No. 161,111
3 Claims. (Cl. 294—83.1)

1. In combination with a parachute having a body harness, a separable fastener interposed between said parachute and harness comprising a cylindrical member affixed to one of the straps of the body harness having a slot in one of its closed ends, a latch bar removably mounted in said slot having an eye for receiving the cords of the parachute, a pivoted latch member within said cylindrical member having a hooked end adapted to engage a keeper opening in said latch bar, a slide on said cylindrical member, means on said slide to engage said pivoted latch bar and retain the same in its locked position, means



on said slide to engage said pivoted latch bar to disengage said pivoted latch bar from said sliding latch bar, and manually controlled latch means on said slide to prevent to and fro movement thereof.

2,581,558
PLURAL STAGE COOLING MACHINE
Martin Siegfried William Ruhemann, London, England, assignor to Petrocarbon Limited, London, England
Application October 12, 1948, Serial No. 54,028
In Great Britain October 20, 1947
4 Claims. (Cl. 62—115)

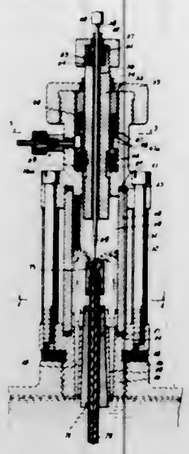


1. A compression refrigeration machine for operation with a mixture of gaseous refrigerants of different boiling points, which comprises a compressor, cooling means for partially condensing the gaseous mixture after compression, a condenser-evaporator having a coil passing therethrough, a conduit for leading the condensate from the cooling means through an expansion valve to the exterior of the said coil and a second conduit for leading the gaseous portion from the cooling means to the interior of the said coil.

2,581,559
MANUFACTURE OF FILAMENTARY ARTICLES
Albert O. Ryan, Norwalk, Conn., assignor to Redding Manufacturing Company, Inc., Norwalk, Conn., a corporation of Delaware
Application July 19, 1948, Serial No. 39,432
18 Claims. (Cl. 18—8)

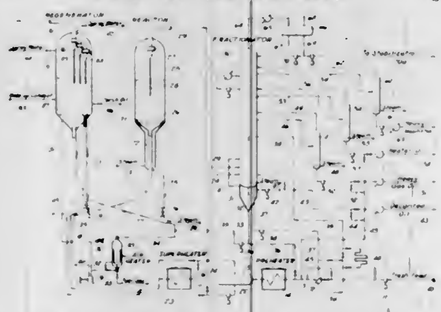
1. The method of forming a filamentary article which comprises flowing a stream of liquid into

a closed chamber and causing it to cascade over the upper rim of a tube extending into said chamber and to flow therethrough with viscous flow, regulating the height of said liquid within said chamber by regulating the pressure of gas



introduced into said chamber above said liquid and projecting a stream of filament forming liquid into the converging portion of said stream of viscous liquid to cause said filament forming liquid to be confined at the center of said stream of liquid.

2,581,560
REFINING OF SYNTHETIC HYDROCARBON MIXTURES
Rodney V. Shankland, Chicago, Ill., Stanley E. Shields, Whiting, Ind., and Ernest W. Thiele, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 8, 1947, Serial No. 784,880
5 Claims. (Cl. 260—450)



1. The method of treating a synthetic mixture of hydrocarbons and oxygenated compounds, which mixture boils within the range of about 100° F. to about 700° F. and contains chiefly components in the gasoline boiling range, which mixture contains combined oxygen distributed throughout the entire boiling range and present in an amount in the range of .5 to 5 weight per cent and which mixture is characterized by a bad odor and extreme instability toward oxygen with a marked tendency toward discoloration and gum formation, which method comprises contacting said mixture with a silica alumina catalyst of gel structure containing an amount of alumina in the range of about 10% to 25% by weight, which is sufficiently spent so that its catalytic activity is only one-tenth to four-tenths the catalytic activity of fresh catalyst, at a temperature in the range of 625° F. to 775° F. and with a severity factor in the range of .02 to 2.0 sufficiently low to substantially avoid cracking and to produce a product of good odor and stability toward oxygen, said severity factor being the catalyst-to-oil weight ratio divided by the weight space velocity taken to the 1.5 power.

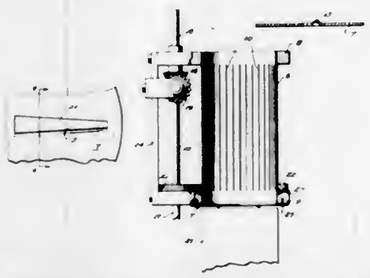
2,581,561
FILAMENT PACKAGE AND METHOD OF PRODUCING SAME
Gilbert Shaw, Middlebury, Vt.
Application June 24, 1947, Serial No. 756,635
9 Claims. (Cl. 18—56)



1. A method of packaging a large number of filaments or the like of equal lengths which comprises moistening a seamless tubing of regenerated cellulose sufficiently to substantially expand said tubing, introducing a bundle of parallelly disposed filaments into said tubing while expanded to substantially fill said tubing and then subjecting said enclosed filaments to a drying atmosphere whereby said cellulose material upon shrinking tightly encloses said filaments subjecting them to constricting tension, holding them firmly in fixed parallel relation to each other in a cylindrical package.

8. A package comprising a large number of parallelly disposed filaments of substantially equal lengths closely packed in a cylindrical shape and a seamless tube of thin flexible plastic film surrounding said filaments and extending over substantially the entire length of the filaments, said tube being shrunken around the packed filaments and holding them with constricting tension.

2,581,562
FILLING MECHANISM FOR AUTOMATIC WEIGHING MACHINERY
William Edward Smith, Milltown, N. J.
Application August 16, 1949, Serial No. 110,501
3 Claims. (Cl. 222—162)



1. A discharge mechanism for viscous mixes comprising a hollow cylindrical container having a series of closely spaced narrow slots in its wall, an orifice plate abutting the lower end of said container and having a radial slot therein, said slot being wedge-shaped and the base of the wedge extending past the center of said plate, an upturned lip on one side of said wedge-shaped slot, and means for producing relative rotation between the container and plate.

2,581,563
WINDOW CHECK RAIL PAINTER
Clarence J. Vaughan, Kansas City, Kans.
Application December 2, 1946, Serial No. 713,554
2 Claims. (Cl. 15—160)



1. A window check rail painter comprising a head having a pair of opposed planar faces; a handle integral with said head and extending therefrom at an obtuse angle to said faces; and a bristly coating on that face of the head adjacent the obtuse angle between the head and the handle, said head and said handle being of bendable material, presenting a line of bend at the point of joinder therebetween whereby to permit changing of the angularity between said handle and the faces of the head.

2,581,564
ATRAUMATIC SURGICAL NEEDLE
Jaime Villegas, Manizales, Colombia
Application October 20, 1949, Serial No. 122,407
6 Claims. (Cl. 128—339)

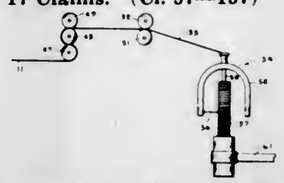


1. An atraumatic type surgical needle comprising a body portion whose trailing end is provided with an axial thread receiving and anchoring socket closed at its inner end and having its outer end opening through the corresponding end of said body, a portion of the wall of the socket being provided with a single slot opening through the trailing end of the needle body, said slot being provided at its advancing end with an enlarged portion providing an eye, said eye being spaced rearwardly of the closed inner end of said socket so as to allow the leading end of the thread to be passed through the eye, lodged in the socket at a point beyond said eye, and the remainder of the thread pressed through the slot into said socket.

2,581,565
CELLULOSE ESTERS
Blanche B. White, Summit, and Elisabeth Barabash, New Providence, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application September 9, 1949, Serial No. 114,916
11 Claims. (Cl. 260—225)

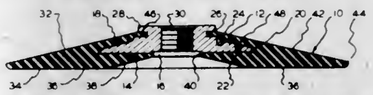
2. A mixer acetic and acetylvanillic acid ester of cellulose.

2,581,566
PRODUCTION OF SPUN YARNS
William Whitehead, Forest Hills, N. Y., and John B. Steiding, Midland, and Leo B. Brown and William L. Rooney, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application November 5, 1948, Serial No. 58,432
17 Claims. (Cl. 57—157)



1. In a process for producing spun yarns and the like of high-tenacity regenerated cellulose staple fibers from a tow of stretched continuous filaments having a basis of an organic acid ester of cellulose, the steps which comprise breaker-drafting said tow while the filaments are in an unplasticized state to convert the continuous filaments into fibers of staple length, and saponifying the fibers to convert the organic acid ester of cellulose to regenerated cellulose.

2,581,567
BUFFER BACKING PAD
Darrell R. Wiley, Jackson, Mich.
Application December 29, 1948, Serial No. 67,960
3 Claims. (Cl. 51—197)

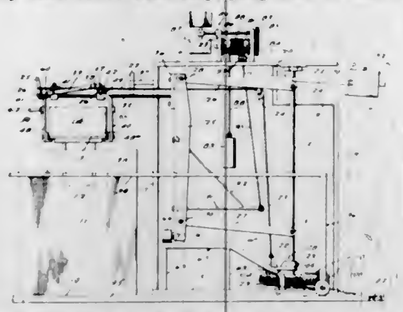


1. A buffer backing pad comprising a central insert having a base portion with a flat lower surface and a frusto-conical upper surface and an upstanding boss projecting therefrom, said insert having a central aperture to permit of the attachment of the pad to an operating shaft, said upstanding boss having an annular channel defined therein, and a flexible pad part molded around said insert and extending below the base portion and into said annular channel, said flexible pad part having a free outer peripheral portion extending beyond said central insert and disposed normally substantially in the plane of the latter.

2,581,568
APPARATUS FOR HANDLING CONCRETE BLOCKS
Cecil C. Wooley, Cottage Grove, Oreg.
Application June 18, 1948, Serial No. 33,854
4 Claims. (Cl. 214—1)

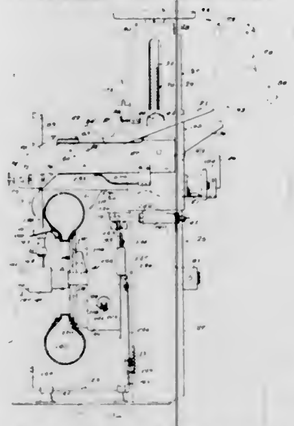
1. An apparatus for delivering concrete blocks from a block molding machine to a pallet board comprising a frame, a vertically disposed shaft rotatably mounted on said frame, a horizontally disposed arm extending radially of said shaft and having one end spaced therefrom, linkage means interposed between said one end of said arm and said shaft and operatively connected therebetween for mounting said arm for vertical oscillation, a block carrier connected to the other end of said arm, a curved track including a horizontal portion and an inclined portion supported below said arm, roller means carried by said linkage means and successively engaging said horizontal and inclined portions respectively for guiding said arm from a block receiving position over said block molding machine to a block dis-

charging position over said pallet board, a track guided carriage adapted to receive said pallet board, a rotatably supported drum provided with a plurality of circumferentially spaced slots, a cable connected between said drum and said carriage for imparting a step by step movement to the latter in response to the rotary movement of said drum through predetermined angles, a rocking lever carried by said shaft, a pawl carried by said lever and engaging one of said slots



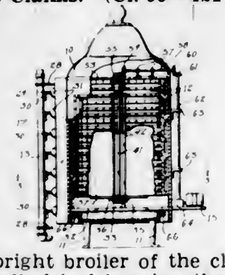
upon movement of said arm to a point midway oetween said pallet board and said molding machine whereby manual shifting of said arm from said midpoint to said block receiving position causes said cable to be wound onto said drum, manually actuable means operatively connected to said pawl for selectively releasing the latter, and means operatively connected to said arm tending to return the latter to said block receiving position.

2,581,569
TIRE REMOVING AND REPLACING MACHINE WITH A ROTATABLE WHEEL SUPPORT
Sam Zugaro and Frank Pegnani, Powhatan Point, Ohio
Application August 13, 1948, Serial No. 44,066
7 Claims. (Cl. 157—1.24)



1. A tire changing machine comprising a base, a post rising from said base, an axle supported by and extending transversely through said post, a drum rotatably mounted on said axle and disposed above said base and forwardly of the post, adjustable means carried by said drum for detachably engaging a tire rim for supporting the rim and a tire carried thereby in front of said drum and for rotation therewith, a carrier mounted for sliding movement lengthwise of the post, feed screw means for moving the carrier on the post, an inner tire wall engaging unit mounted on one side of said carrier including a slidably mounted tire engaging element, cam and lever actuating means for displacing said tire wall engaging element downwardly and outwardly or forwardly for positioning a portion thereof between the inner side wall of the tire and inner flange of the rim and for displacing said tire wall away from the rim flange; an outer tire wall engaging unit mounted on the opposite side of said carrier and including a slidably and swingably supported tire wall engaging hook, lever and cam means forming a part of said outer tire wall engaging unit and operable for manually displacing said hook downwardly and rearwardly or inwardly for engagement between the opposite, outer flange of the rim and the outer side wall of the tire and for displacing said outer tire wall away from said outer flange, a foot pedal swingably supported on said base, a lever swingably supported on the axle, a pawl pivotally mounted on said lever, circumferentially spaced studs projecting from one side of said drum for selective engagement by said pawl, and link means connecting said foot pedal and lever for swinging the lever relatively to the axle when the foot pedal is depressed to cause the drum to be rotated by engagement of the pawl with one of said studs.

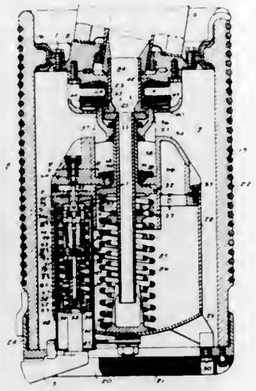
2,581,570
UPRIGHT BROILER
George Amanatides, New York, N. Y.
Application October 26, 1949, Serial No. 123,629
3 Claims. (Cl. 99—421)



1. In an upright broiler of the class described including a cylindrical housing the combination of; a top plate in the upper portion of said housing; a hollow hub mounted in said top plate and rotatable about the vertical axis of said housing and including a frontal cutaway, an internal annular groove, a vertical keyway on the outer surface of said hub opposite said cutaway, and an aperture disposed in said keyway and through the wall of said hub; means on the housing for rotating said hub; a meat spit comprising a yoke having pendant tines with acuminate ends, a head above said yoke and having an annular rib formed thereon, and a tongue having a vertical slot therein; said head being secured to said hub by the fitting matchingly of said head rib in the internal groove of said hub, the projection of the spit tongue through said hub aperture, and the insertion of a key in the said hub keyway and the said vertical tongue slot.

2,581,571
CIRCUIT INTERRUPTER
Benjamin P. Baker, Turtle Creek, Pa., and Oswald von Mehren, Lorain, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 24, 1945, Serial No. 624,284
13 Claims. (Cl. 200—148)

7. In a circuit interrupter of the gas-blast type, a pressurized tank, a terminal bushing extending into the tank, an arc-extinguishing unit depending from the lower end of the terminal bushing and including means defining a substantially enclosed chamber, a stationary orifice contact secured to the lower end of the bushing, a movable contact cooperable with the stationary contact to draw an arc, a container disposed within the chamber, an annular stationary blast valve seat, an annular movable blast valve, a piston secured to the movable blast valve and movable within the container, means for causing the pis-



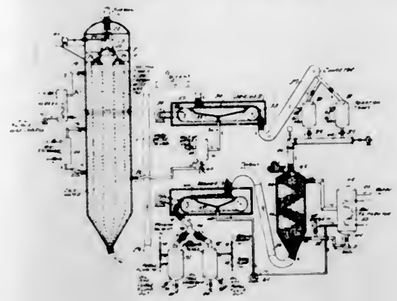
ton to effect opening of the movable contact after a predetermined opening travel, valve means for controlling operation of the piston, means for opening the valve means at any one of a plurality of positions during the opening operation but inoperative during the closing operation, an actuating member for effecting motion of the means, impedance means shunting the stationary and movable contacts, and means for drawing the residual current arc at the point of engagement of the actuating member and the means.

2,581,572
CHILD'S COASTING DEVICE
Charles Beauregard, Providence, R. I.
Application April 11, 1951, Serial No. 220,483
7 Claims. (Cl. 104—69)



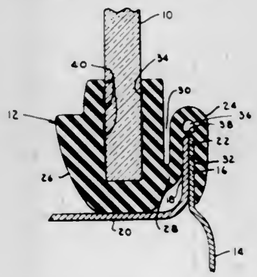
1. In a child's coasting device, a track with one end higher than the other, a child-carrying car adapted to travel over the said track, locking means between said car and the raised end of the track to releasably secure the car at the upper end of the track, resilient means engaged by the car near the end of the track to retard the movement of the car and itself become charged when engaged by the loaded car, means to stop the car and hold the same against being returned by the resilient means, means to release said holding means to cause the resilient means to return said car when unloaded toward the starting end of the track.

2,581,573
METHOD FOR SEPARATING WAXY AND OILY MATERIALS
John L. Biles and Harold C. Myers, Woodbury, and Theodor Arthur Petry and Willard H. Cowell, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 9, 1948, Serial No. 31,948
17 Claims. (Cl. 196—20)



1. The method for separating wax and oily constituents present in a wax bearing mineral oil which comprises: subjecting the wax bearing oil to an intimate contacting with a particle form solid adsorbent material composed of particles of average diameter within the range 0.022–0.5 inch, maintaining the wax to be separated in congealed state by control of the temperature beginning at a time falling within the period of any time prior to the contacting to substantially immediately after initial contacting of the wax bearing oil with the adsorbent and throughout at least most of said contacting at a level at which wax constituents of said wax bearing oil are congealed whereby the congealed wax constituents remain deposited on the surface of said adsorbent and the non-congealed liquid constituents are sorbed into the pores of said adsorbent, and thereafter removing said wax constituents from the surface of said adsorbent while leaving said liquid constituents within the pores of said adsorbent.

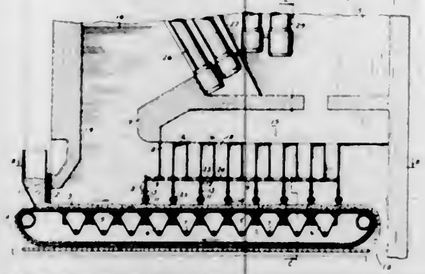
2,581,574
WEATHER STRIP
Stephen D. Bradley, Detroit, Mich., assignor to Detroit Macoid Corporation, a corporation of Michigan
Application January 28, 1948, Serial No. 4,739
8 Claims. (Cl. 20—56.4)



1. In a weatherstrip having a groove for receiving the edge portions of an insert, means to provide a weatherproof seal at the said insert edge portions when the latter are inserted into said groove and including a web of elastic deformable material disposed between the interior sides of
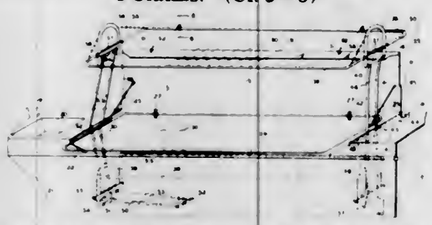
said groove and spaced from the bottom thereof, said web having substantially greater flexibility than the side portions of said weatherstrip.

2,581,575
APPARATUS FOR THE CONTINUOUS PRODUCTION OF WATER GAS
Arthur R. Broadman, New York, N. Y., assignor to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware
Application June 27, 1946, Serial No. 679,604
2 Claims. (Cl. 48—78)



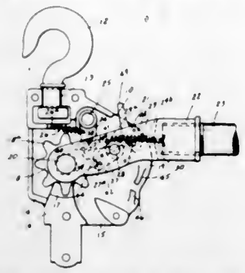
1. An apparatus for the continuous production of water gas from a solid combustible carbonaceous material, which comprises a plurality of chambers through which passes a continuous travelling grate, each of said chambers communicating with a stack-gas flue and a water-gas flue, means on each of said chambers for closing the communication of said chamber with each of said two flues, means for charging the carbonaceous material to the travelling grate as a substantially uniform layer thereon, means for igniting the carbonaceous material on the travelling grate and means in each of the chambers for blasting fluids through the layer of carbonaceous material while it progressively passes through said chamber on the travelling grate.

2,581,576
FOLDING BED FOR TRAILERS
Harold C. Brumbaugh, Portland, Oreg., assignor of one-third to Max E. Krueger and one-third to Herbert Heltzel, both of Portland, Oreg.
Application January 8, 1947, Serial No. 720,731
4 Claims. (Cl. 5—8)



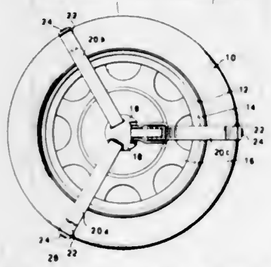
1. A folding bed comprising a frame, a standard hingedly attached to one end of said frame, means hingedly supporting said standard at a point intermediate the plane occupied by the bed when in use and the floor of the structure in which it is located, an articulated standard hingedly attached at one end to the opposite end of said frame and to the floor of the structure at its other end, said articulated standard being capable of folding in either direction from its extended position, and means supported by said structure to prevent said articulated standard from folding more than a limited amount in one direction when the bed is in its position of use.

2,581,577
HOIST JACK
Fredrick W. Coffing, Danville, Ill., assignor to Coffing Hoist Company, Danville, Ill., a corporation
Application February 18, 1950, Serial No. 145,075
6 Claims. (Cl. 254—167)



1. In a hoist for moving a flexible inextensible means therethrough and having a reversibly rotatable wheel for means support, a handle oscillating about the axis of wheel rotation, a load holding pawl pivotally supported adjacent said wheel and normally constrained toward wheel or means engagement, and a load moving pawl pivotally supported upon the handle and normally constrained toward wheel or means engagement, the combination therewith of a floating cam oscillatory upon the wheel axis, said cam having arcuately spaced abutments, a handle carried means disposed in juxtaposition to said abutments and selectively engageable therewith in handle oscillation, a follower carried by the holding pawl and selectively engageable with said cam and disengageable therefrom in cam oscillation incident to handle operation, a second cam carried by said handle for moving said moving pawl out of operative position and means stationarily mounted relatively to said handle and rendered effective for controlling the operation of said second cam moving means by the oscillation of said handle.

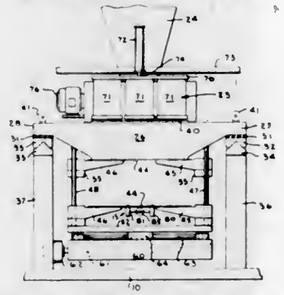
2,581,578
TRACTION DEVICE
Henry R. Cruse, Gwynedd Valley, Pa.
Application February 6, 1948, Serial No. 6,600
1 Claim. (Cl. 152—217)



A traction device adapted to be applied to a tire on a wheel comprising an arm-supporting member, a first arm connected at one end thereof to said arm-supporting member and extending radially therefrom, said arm having a tire-engaging portion at the other end thereof, a slot in the arm-supporting member spaced substantially 120 degrees from said first arm, a second arm having a tire-engaging portion on one end thereof and having a hook on the other end thereof, said hook engaging said slot, a pair of bearings

extending from said arm-supporting member, a U-shaped clamping member pivotally connected between said bearings and extending radially substantially 120 degrees from said first and second arms, a tension member pivotally connected to the clamping member and having a hook thereon, and a third arm having a tire-engaging portion on one end thereof and a plurality of slots adjacent the other end thereof for engagement by said hook on said tension member.

2,581,579
CONCRETE PRODUCTS MOLDING MACHINE
Robert O. Davis, Adrian, Mich., assignor to Gene Olsen Corporation, Adrian, Mich., a corporation of Michigan
Application September 28, 1948, Serial No. 51,553
12 Claims. (Cl. 25—41)



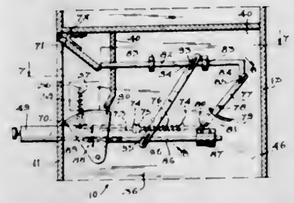
1. A molding machine comprising a material feed hopper, a finishing head spaced from said feed hopper, a movable mold box spaced beneath the discharge end of said hopper, means for mounting said mold box for reciprocation between the discharge end of said feed hopper and said finishing head, timed power means for moving said mold box and actuating said finishing head and a vibrator connected with said mold box and bodily movable therewith, control means to effect a continuous vibration of said mold box by said vibrator during the filling thereof while under the said material hopper, during transfer of the mold box from said hopper to said finishing head, and during the compaction of the material therein while in contact with said finishing head.

2,581,580
COLLAR PIN WITH CONTROL MEANS
Anthony Dovica, Los Angeles, Calif.
Application May 12, 1949, Serial No. 92,803
7 Claims. (Cl. 24—87)



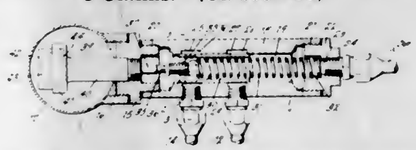
1. A collar pin of the character described comprising: a generally arcuate stem, each end of which is bent back on itself and brought to a point over the convex face of the stem, a transverse plate secured to the stem within each bent portion, and transversely extending limit means secured along each plate at the point of bending of said stem and projecting from said stem outward in all directions so as to frictionally resist any further movement by the stem through the fabric after piercing a layer of fabric and being pulled until said limit means are adjacent the point of penetration of the fabric, the bent portion of the stem being spaced from said plate adjacent its point approximately the thickness of a layer of fabric and thence spaced farther apart from said plate so as to prevent said fabric from being tightly wedged between the stem and the plate, thereby facilitating its ready withdrawal.

2,581,581
FILM VENDING MACHINE
Walter S. Falk, Kew Gardens, N. Y.
Application February 24, 1948, Serial No. 10,427
8 Claims. (Cl. 232—44)



1. In a machine of the class described having a film collecting chamber including spaced side walls and a front wall, the front wall having an opening of a size to pass an exposed roll of film, a pivotally mounted door closing said opening, a vertical wall mounted between the side walls to the rear of the opening dividing off a receiving chamber, said receiving chamber having an open bottom communicating with the collecting chamber, a member pivotally mounted between the side walls and normally closing the open bottom of said receiving chamber, a bar slidably supported within the chamber to be slid rearward, means for sliding said bar rearward, a rod slidably supported on one of the side walls in a horizontal position behind said door with its front end normally spaced from said door so that the door is free to be pivoted to an open position, means interconnecting said bar and said rod so that when said bar is slid rearward said rod will be moved forward to have its front end contact said door and hold it in a closed position, a stem slidably supported on the said one side wall in a horizontal position behind said member, said stem having its front end pivotally attached to said member to pivot said member rearward clear of the open bottom of said receiving chamber when said stem is moved rearward, and means interconnecting said rod and said stem so that said stem will be moved rearward when said rod moves forward.

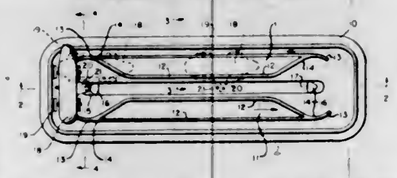
2,581,582
THERMOSTATICALLY OPERATED VALVE
David R. Ferris, Cadillac, Mich., assignor to Kysor Heater Company, Cadillac, Mich.
Application November 28, 1949, Serial No. 129,802
8 Claims. (Cl. 236—99)



1. A thermostatically controlled valve assembly including a body having a bore therein, a plug closing one end of said bore and forming a delivery connection to a supply pipe, an oil pressure conduit connection opening laterally to said bore, an oil return conduit connection opening laterally to said bore at a point spaced from said pressure conduit, a valve element slidable in said bore and being of such a length and shape as to simultane-

ously seal the openings of both said conduits into said bore in one position of said valve element, said valve element having an oil passage formed axially therealong and out of registry with the openings of said conduits into said bore, a spring seated against said plug and biasing said valve element away from said supply pipe and toward a position to open said pressure conduit to said bore, a coupling threadingly mounted on the end of said body opposite said supply pipe and forming a recess, said coupling having threads on its outer end connectable into a fluid conduit, a thermostatic device carried by said coupling to project into said fluid conduit, said device including a piston rod engageable with said valve element through said recess, and a housing enclosing a mass of thermally expansible solid material partially retained by a flexible wall for actuating said piston rod.

2,581,583
TOY TRACK SYSTEM
Ernest Fields, New York, N. Y.
Application April 18, 1947, Serial No. 742,257
8 Claims. (Cl. 46—202)



1. A toy road game comprising a track system including two substantially straight tracks terminating at each end in an inwardly curved partial track, respective curved tracks forming a connection separated by a gap between said two straight tracks, a self-propelled vehicle for said track system having wheels fixed relative to the vehicle body in a position for straight travel, pivoting first catch means positioned adjacent to each end of the straight tracks, and second catch means provided on said vehicle, said second catch means being arranged to engage the first catch means when the vehicle enters one of the curved tracks to form a compulsory center of pivoting for said vehicle while in motion and to guide the vehicle from one straight track to the other, the first catch means releasing the second catch means when the vehicle re-enters a straight track.

2,581,584
MOVEMENT FOR ANIMATED TOYS
Ernest Fields, New York, N. Y.
Application July 10, 1947, Serial No. 760,079
10 Claims. (Cl. 46—147)



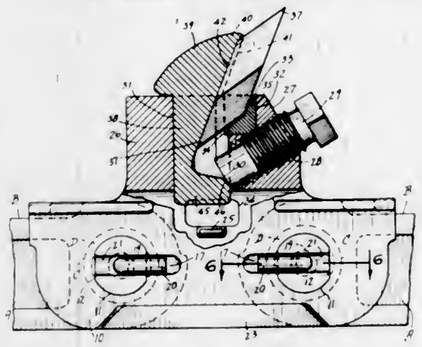
1. An animated toy figure comprising a movement including a rotary axle, and a base plate supporting on one side said movement, the other side of the base plate forming the bottom of the figure, said axle being extended through said base plate and bent off at the bottom side of the plate closely adjacent thereto so as to form a one-arm lever disposed substantially parallel to said bottom side and rotatable about the rotational axis of the axle, said lever in conjunction with the bottom side of the base plate providing continuously varying resting points for the toy figure when the same is placed upon a supporting surface and said lever is rotating, thereby imparting to the toy figure varied rocking movements.

2,581,585
INKING RIBBON FOR TYPEWRITERS AND THE LIKE
Valer Flax, Vic-Fezensac, Gers, France
Application May 28, 1949, Serial No. 95,943
In France January 11, 1944
10 Claims. (Cl. 197—172)



3. An inking-ribbon for typewriters and the like, having at least one of its ends formed into an adjustable loop adapted to be passed around the core of an inking-ribbon spool, a slider member through which the ribbon at least on one side of the loop is adapted to be passed and a hook secured on the inner side of said loop for engagement with an aperture formed in the said inking-ribbon spool.

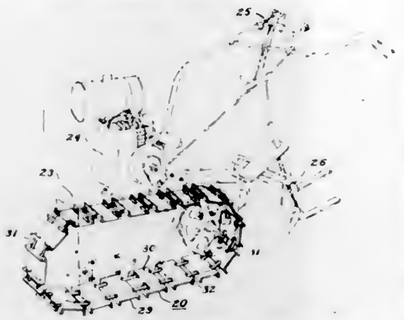
2,581,586
CUTTING CHAIN STRUCTURE
Charles J. Forbes, Terre Haute, Ind.
Application April 21, 1949, Serial No. 88,882
2 Claims. (Cl. 74—254)



1. In a cutting chain having alternated connecting and straddle links, the latter comprising spaced apart plate portions, the combination of a cylindrical barrel pivot at each end of the straddle link bridging the space between plates and extending through the adjacent end of a connecting link and pivotally supporting same, said pivot having a reduced square shoulder at one end, the straddle link having a complementary shoulder to prevent relative rotation between the straddle link and the pivot, the barrel pivot having a bore therethrough which is enlarged at one end, and a radial slot in the other end communicating with the bore and extending to the barrel periphery, and a pin seated in the bore and having at one end a head nested in the bore enlargement, the other end of the pin extending transversely of and disposed in the radial slot, one of the link plates having spaced apart wall divided recesses in its face at its opposite

ends registering with the respective transverse pin slots and receiving the transversely disposed ends of the respective pins, said shoulders with said pin transverse end locking said barrel and links together.

2,581,587
ENDLESS TRACK
Russell J. Gray, Meadeville, Minn.
Application March 26, 1949, Serial No. 83,709
5 Claims. (Cl. 305—10)



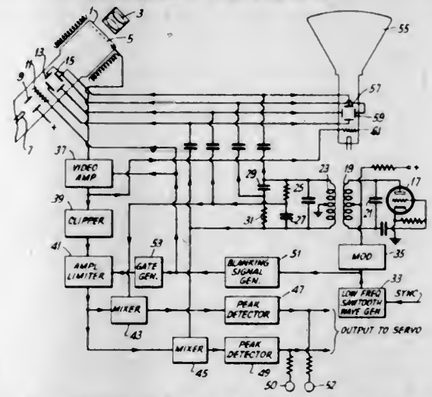
1. An endless-track tread-construction for mobile units comprising a plurality of ground-contacting pads, each pad being integrally constructed of a single piece of form-retaining sheet-metal or the like having a main generally flat body portion and having a pair of outwardly-directed ground-gripping cleats formed at opposite ends of the body portion, said cleats being separated from the body portion by generally parallel transversely-extending fold-lines, each pad having one or more slots extending across each of said fold-lines so as to be disposed partly on the body-portion and partly on the cleat, and a plurality of metal links each detachably engaged intermediate the slots of successive pads and serving releasably to connect said pads in articulated spaced-apart circumferentially-distributed relationship.

2,581,588
FLUID FLOWMETER
David H. Greene, Los Angeles, Calif., assignor to Danciger Oil & Refining Company, Fort Worth, Tex., a corporation of Texas
Application December 2, 1946, Serial No. 713,596
2 Claims. (Cl. 73—207)



1. A flowmeter comprising, a vertically disposed tubular member of uniform diameter and predetermined length, a second tubular member of greater diameter secured coaxially to the upper end of the said first tubular member, a fluid inlet line connected with the lower portion of the first tubular member, a fluid outlet line connected with the upper section of the said second tubular member, an elongated rod of predetermined weight fitting within and being closely spaced from the internal walls of the said first tubular member, said rod being adapted to move vertically within the tubular members upon variations in the rate of flow of the fluid medium, a third tubular member of substantially the same diameter as the first tubular member secured to the upper portion of said second tubular member and being coaxial with the second tubular member and into which the said rod is adapted to project, the lower end of the third tubular member being spaced from the said first tubular member to establish a free fluid passage therebetween, the second tubular member and the third tubular member being provided with adjacent transparent sections extending vertically within the normal range of movement of the rod to optically indicate the position assumed by the rod.

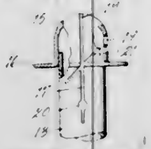
2,581,589
POSITION INDICATING SYSTEM
Philip J. Herbst, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 12, 1946, Serial No. 715,680
11 Claims. (Cl. 178—6.8)



11. A position indicating system comprising in combination an image pickup tube having an electron gun to produce an electron beam and to direct said beam toward an electrode adapted to receive an image, horizontal and vertical deflection elements for causing a scanning of the electrode by said beam, a deflection signal generator having an output circuit connected to said beam deflection elements and having means to produce in said output circuit two sine waves in a 90° phase relationship, a sawtooth wave generator having an output circuit connected to said deflection signal generator to modulate the output of said deflection signal generator in accordance with the amplitude of said sawtooth wave, the frequency of said sawtooth waves being much lower than the frequency of said sine waves, means for deriving from said image pickup tube an energy pulse of predetermined amplitude when a selected point of said image is scanned by said electron beam, an electrical gate generator connected to said energy pulse deriving means to make said energy pulse deriving means responsive only during a predetermined interval of time, said interval of time recurring at said deflection frequency, a pair of mixer cir-

cuits connected between said energy pulse deriving means and said output circuit of said deflection signal generator for combining said energy pulse and said modulated deflection signals, and means responsive to the position of said energy pulse on said deflection signals to indicate relative position of said point on said image.

2,581,590
SAFETY GAS PILOT WITH DRAFT GUARD
Robert P. Humphrey, Kalamazoo, Mich., assignor to General Gas Light Company, Kalamazoo, Mich.
Application April 7, 1950, Serial No. 154,653
7 Claims. (Cl. 158—115)



7. A gas pilot burner comprising a burner tube, a burner head mounted on said tube, said tube and head having connecting longitudinally extending gas outlet slots, and an outwardly extending flange at the juncture of said slots, said head having a burner pilot jet orifice vertically above said flange and angularly spaced from said longitudinally extending slot in said head, said burner tube having a thermocouple jet orifice below said flange and opening to said longitudinally extending slot therein, there being a slot in said head above said flange opening to the said longitudinally extending slot of the head and to said burner jet orifice.

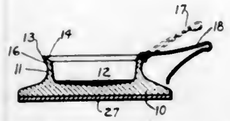
2,581,591
PRECISION CAMERA
Alexander T. Koppe, Chicago, Ill.
Application July 27, 1948, Serial No. 40,809
7 Claims. (Cl. 88—24)



1. The combination in a camera, of a horizontal camera stand in the form of an H-beam having its web extending horizontally and its flanges directed vertically, photographic apparatus adjustable from one position to another longitudinally on the upwardly directed flanges, and a truss structure connected to the lower flanges of said H-beam toward the ends of said stand, said truss structure having means intermediately disposed thereon adjustably bearing upon an intermediate portion of said stand for maintaining in horizontal positions the flanges on which said photographic apparatus is mounted.

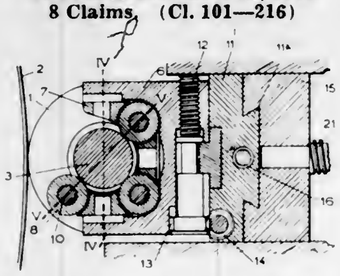
2,581,592
BOBBY PIN TRAY
Burton H. Locke, Framingham, Mass.
Application March 14, 1950, Serial No. 149,478
2 Claims. (Cl. 132—1)

1. A tray comprising a body having a base and upwardly disposed sides to form a cavity suitable to receive bobby pins, the outer surface of the said sides being concaved intermediate the outer top edge thereof and the said base, the portion of said base that supports the structure being larger in area than the projected area at the said outer top edge of the sides, the mass of the



structure being concentrated at the base, the said outer top edge of the sides being substantially wedge-shaped to facilitate being wedged between the prongs of bobby pins that may be pressed thereagainst in the process of opening the said pins as set forth.

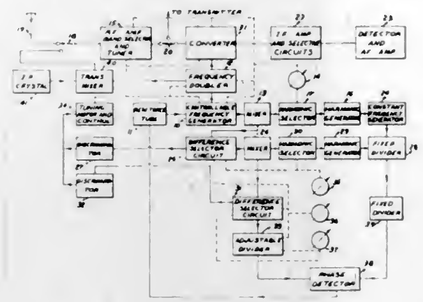
2,581,593
DEVICE FOR MOUNTING ENGRAVED CYLINDERS IN MACHINES FOR PRINTING CLOTH AND THE LIKE
Carlos Luttenauer, Mulhouse, France
Application October 24, 1946, Serial No. 705,289
In France December 26, 1945
8 Claims. (Cl. 101—216)



1. In a printing machine having a printing cylinder rotatably mounted on a shaft, in combination, a pair of bearings for said shaft, each of said bearings comprising a plurality of rollers arranged in a semi-circle around a respective extremity of said shaft, a fork-shaped support for the rollers of each bearing, arranged to permit radial disengagement of the shaft from said rollers by withdrawal therefrom in an upwardly slanting direction, and an open housing for each of said supports, said housing surrounding said support on three sides so as not to interfere with the radial withdrawal of said shaft from said bearing, said rollers including a pair of extreme rollers making contact with said shaft at opposite ends of a diameter inclined with respect to the vertical.

2,581,594
WIDE-RANGE HIGH STABILITY FREQUENCY GENERATING SYSTEM
Olin L. MacSorley, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 30, 1948, Serial No. 68,263
9 Claims. (Cl. 250—20)

5. A wide range, frequency-stable wave generating circuit arrangement including a controllable frequency wave generator, a constant frequency wave generator, a mixer circuit, connections coupling the outputs of said controllable frequency and said constant frequency wave generators to said mixer to produce a difference frequency wave, a difference frequency wave selector circuit coupled to said mixer to receive said difference frequency wave, a second mixer circuit, further connections coupling the outputs of said difference frequency wave selector circuit and said constant frequency wave generator to said second mixer to produce a second difference frequency wave, a second difference frequency wave selector circuit coupled to said second mixer to receive said second difference frequency wave, an adjustable ratio frequency di-



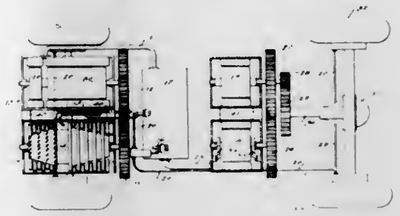
vider circuit coupled to said second difference frequency wave selector circuit, a phase detector circuit, additional connection coupling the outputs of said adjustable ratio frequency divider circuit and said constant frequency wave generator to said phase detector to produce a potential proportional to the phase difference between the wave of said second mixer and said constant frequency wave output, a reactance tube circuit having an input coupled to said phase detector circuit and an output coupled to said controllable frequency wave generator.

2,581,595
EDUCATIONAL APPARATUS
Joseph W. Mioduski and Roy H. Lesner, Chicago, Ill.
Application January 5, 1949, Serial No. 69,327
4 Claims. (Cl. 35—73)



1. In an educational apparatus, a board having a raised dividing partition, a plurality of blocks each having opposed edges adapted to engage one side of the dividing partition and provided with opposed surfaces each having an exposed alphabetical letter and an exposed distinctive color design adapted to lie adjacent the partition, and a plurality of elongated cards each adapted interchangeably to engage the other side of the dividing partition and bearing reference to a subject and having a plurality of exposed distinctive color designs each equal to the width of the blocks and marginally aligned along the partition engaging edge of the card, the arrangement being such that, when the color designs of the blocks are matched with the color designs of a card, the alphabetical letters of the blocks will spell out the subject of that card.

2,581,596
POWER TRANSMISSION
Paul T. Nims, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 26, 1946, Serial No. 643,803
35 Claims. (Cl. 180—65)
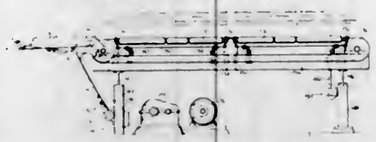


10. A motor vehicle comprising a vehicle chassis mounted on wheels for movement along a surface, a source of alternating current electric power having an exciting winding and rectifier circuit means connected to said exciting winding for controlling the excitation of said source, an electric motor for driving the vehicle through at least one of said wheels, rectifying means for supplying electric power from said source to said driving motor, automatic means effective to regulate said rectifier circuit means for controlling said source whereby the vehicle may be driven at any desired speed, said speed being dependent upon the energy supplied to said power source, power absorbing means, and means for rendering said source ineffective and said power absorbing means effective to retard rotation of said motor, and including switching elements, different ones of which are operable to disconnect said source exciting winding from said rectifier circuit and place said electric motor in circuit with the latter and to connect said power absorbing means so as to load said motor.

2,581,597
PROCESS FOR THE REDUCTION OF IRON ORES AND THE LIKE BY CARBON
Raoul Nissim, London, England
No Drawing. Application October 21, 1948, Serial No. 55,827. In Great Britain October 24, 1947
2 Claims. (Cl. 75—11)

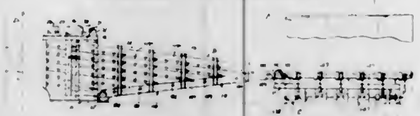
1. A process for the continuous reduction of iron-bearing ores by carbon which comprises premelting the ores in a separate chamber and prior to their introduction into the reducing hearth, allowing the molten ores to percolate through and contact solid carbonaceous reducing material contained in a substantially air-tight reducing hearth which is continuously electrically heated whereby the molten ores are reduced by the carbon to molten metal and the carbon is partially oxidized by the oxygen of the molten ores to generate a gas mixture consisting essentially of carbon monoxide, recovering the molten metal, and utilizing the heat energy stored in said gas mixture to premelt the ores.

2,581,598
SHEET HANDLING APPARATUS
Clarence E. Parker, Painesville, Ohio, assignor to The Coe Manufacturing Company, Painesville, Ohio, a corporation of Ohio
Application December 1, 1944, Serial No. 566,060
5 Claims. (Cl. 198—33)



1. In equipment for handling plasterboard and the like delivered thereto in predetermined relation, the combination of a conveyor, power means for actuating said conveyor, said means being controlled by the presence of material above said conveyor, a pivoted member adjacent to the discharge end of said conveyor and adapted to receive material delivered thereto by said conveyor, power means for oscillating said pivoted member, and means actuated by the presence of material on said member for actuating said last-named means as alternate articles only are delivered to said member.

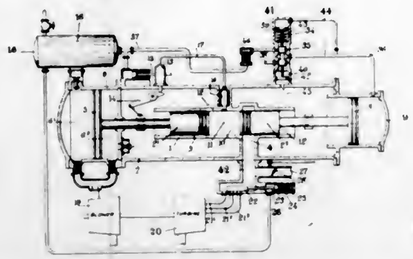
2,581,599
SHEET HANDLING APPARATUS
Clarence E. Parker, Painesville, Ohio, assignor to The Coe Manufacturing Company, Painesville, Ohio, a corporation of Ohio
Application December 10, 1946, Serial No. 715,166
7 Claims. (Cl. 198—20)



1. In equipment for unloading plasterboard and the like from a multiple deck device and delivering the same in predetermined relation at a common location, the combination of a plurality of decks adapted to be aligned with the decks of the device to be unloaded and receive material therefrom, a discharge conveyor, conveying mechanism interposed between said decks and said discharge conveyor, means comprising mechanism actuated by the presence of material in said decks for discharging material therein, means for preventing the actuation of said last named means to discharge material from a second deck until material previously discharged from another deck has reached a predetermined position.

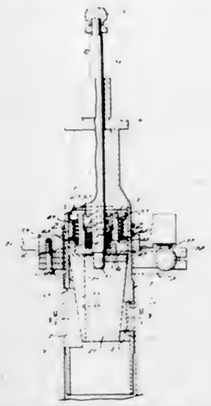
2,581,600
FREE PISTON MOTOR COMPRESSOR
Raul Pateras Pescara, Paris, France, assignor to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A., Geneva, Switzerland, a society of Switzerland
Continuation of application Serial No. 420,432, November 25, 1941. This application August 30, 1946, Serial No. 693,884. In France September 3, 1941
12 Claims. (Cl. 60—13)

1. A motor-compressor which comprises, in combination, a motor part including a motor cylinder and a motor piston freely movable in said motor cylinder, a compressor part including a compressor cylinder and a compressor piston movable therein and operatively connected with said motor piston, pre-compression means operative by said motor piston for feeding air under pressure to said motor cylinder, means for supercharging said compressor part, means for supercharging said pre-compression means including a blower, a gas-turbine, adapted to be fed by the



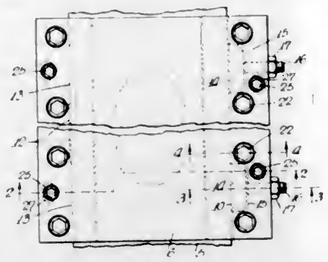
exhaust gases from said motor cylinder, mechanically connected with said blower for driving it, and means for varying the power of said turbine in response to variations of the pressure of the air compressed by said compressor part, and inversely to said variations.

2,581,601
HONING TOOL
Douglas T. Peden, Ann Arbor, and John E. Kline, Grosse Pointe Farms, Mich., assignors to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application May 21, 1947, Serial No. 749,432
5 Claims. (Cl. 51—184.3)
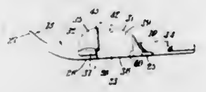


5. In a honing tool having a body, a set of abrasive elements supported on said body, a set of non-abrasive elements supported on said body, cam means engaging said set of abrasive elements and shiftable lengthwise of the body for radially adjusting said abrasive elements, cam plates shiftable lengthwise of the body with said cam means and independently thereof for radially adjusting said non-abrasive elements, a rod secured to said cam means and extending from said body, a clutch element circumferentially engaging said rod and having slip engagement therewith, said clutch element being engageable with said cam plates, spring means between said clutch element and said cam plates for applying a predetermined force to the cam plates, for shifting said cam plates, and engaging means on said cam plates and said clutch element for limiting the expansion of said spring means and the amount of movement of said cam plates produced thereby.

2,581,602
TOOL SLIDE
Clarence D. Pulsifer, Farmington, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application December 12, 1946, Serial No. 715,896
3 Claims. (Cl. 308—3)



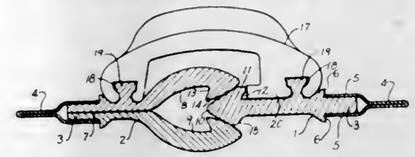
1. In a device of the character indicated, a member having a dovetail slot, a member having a dovetail relatively slidable in said slot, one side of said dovetail and the adjacent side of said slot having sliding lateral bearing engaging surfaces at relatively widely separated points and being free laterally of each other intermediate said points, and the opposite side of said dovetail and the adjacent side of said slot having adjustable shoes between the lateral sides of said dovetail and slot, said shoes being relatively widely separated and being located generally opposite said first-mentioned lateral bearing engaging surfaces, whereby said dovetail and slot will be in sliding bearing engaging contact at two widely separated points at each side to minimize sticking of said dovetail in said slot, and a adjustable gib means forming a part of said slot and serving to hold said dovetail in said slot.

2,581,603
PRESSER FOOT FOR SEWING MACHINES
John L. Rockerath, Utica, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application June 14, 1950, Serial No. 168,015
3 Claims. (Cl. 112—235)



1. A sewing machine presser-foot comprising an elongated sole-plate, a block removably mounted upon the upper surface of said sole-plate and having one end portion thereof overhanging one longitudinal side portion of said sole-plate and being formed with a depending sole surface which is disposed in flush relation with the bottom of said sole-plate, a chaining-off finger carried by and extending rearwardly of the overhanging end of said block so as to be disposed in transversely spaced relation with the said longitudinal side of said sole-plate, and a cord-guiding passageway formed in said block, said passageway being inclined with respect to said sole-plate and having its entrance and exit ends located respectively at the upper and lower surfaces of said sole-plate and with the exit end thereof disposed between said chaining-off finger and the said longitudinal side portion of said sole-plate.

2,581,604
SLIDE FASTENER
Bruno C. Roehrl, Erie, Pa., assignor to National Organ Supply Company, Erie, Pa., a corporation of Pennsylvania
Application April 17, 1946, Serial No. 662,706
4 Claims. (Cl. 24—201)



2. In a slide fastener, a flexible non-stretchable strip having along one face only a rib defining an undercut locking shoulder, a mating flexible non-stretchable strip having a channel loosely receiving the first strip with sides resiliently engaging opposite faces thereof, one side having an undercut locking shoulder cooperating with the first shoulder to prevent edgewise separation of the strips, and a slide for opening and closing the fastener, said slide having cam means cooperating with the strips for camming a section of the strips edgewise toward each other until the shoulders in said section are clear of each other and said slide having other cam means riding said one face and acting on the section of the strips moved edgewise toward each other by said first cam means for camming said one side transverse to the strips until the locking shoulders are unlocked, and said first cam means having a portion cooperating with the strips beyond the point at which the shoulders are unlocked for camming the strips edgewise apart to separate the strips.

2,581,605
ARCH SUPPORT AND METHOD OF MAKING SAME
William M. Scholl, Chicago, Ill.
Application October 25, 1946, Serial No. 705,535
8 Claims. (Cl. 36—71)

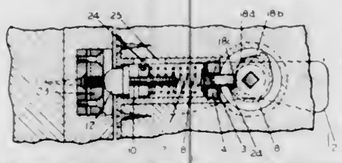


7. In a device of the character described, a bottom non-planiform lamina of hard resilient metal, non-metallic laminae superposed thereon and substantially coextensive therewith and conformed thereto consisting of plastic laminae at top and bottom and fabric laminae between them and united therewith by fusion and penetration of the plastic into the fabric, said non-metallic laminae being united with the metallic lamina by a union between the under surface of the bottom layer of the plastic lamina and the upper surface of the metallic lamina, the forward edges of the non-metallic laminae terminating slightly short of the next lamina below it and forming an inward and upward bevel.

2,581,606
DOOR LATCH CONSTRUCTION
David Joseph Seaman and Albert Edward Wood, Battle Creek, Mich.; said Wood assignor to said Seaman
Application October 2, 1947, Serial No. 777,528
3 Claims. (Cl. 292—74)

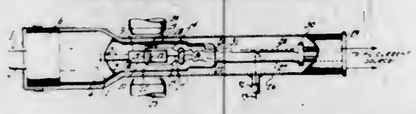
1. A door latch structure comprising a tubular body part defining an opening at one end

through which a latch member is projectable to effect latching and unlatching, a latch member in the form of a primary plunger slidably mounted in one end of said tubular body part, said latch member including a latch nose portion projectable through said opening and a guide portion within the body part, an end closure at the opposite end of said body part and having a guide opening therein, a secondary plunger slidably mounted in said body part at said opposite end, said secondary plunger including a portion slidably guided in said guide opening, a first and relatively light coil spring in said body part and having its ends permanently engaged with the said latch guide portion



and said secondary plunger so as constantly to urge both said latch nose portion through said first opening and said secondary plunger against said end closure, a second and relatively strong coil spring also mounted in said body part between said guide portion and said plunger, and a door handle and shaft, a cam on said shaft in engagement with said slidably guided plunger portion in said guide opening and adapted for adjustment positively to hold said secondary plunger in an inwardly displaced position within said body part, in which position said relatively strong coil spring is compressed to react against said latch member and render the same substantially rigid against unlatching.

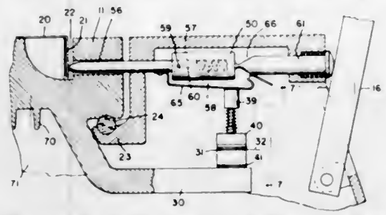
2,581,607
MULTISEGMENT SINGLE CAVITY MAGNETRON
Carl I. Shulman and George R. Kilgore, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application September 7, 1946, Serial No. 695,512
18 Claims. (Cl. 315—39)



1. A magnetron oscillation generator including anode and cathode electrodes, said anode electrode including at least one pair of opposed surfaces spaced to form a gap across which a high frequency electric field is set up during operation of said generator, means positioning said cathode electrode to extend across said gap, whereby a high frequency current is induced in said cathode electrode by said field, and means connected to said cathode electrode for deriving output energy from said generator through said cathode electrode.

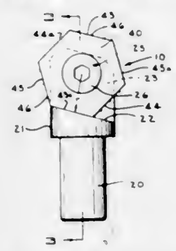
2,581,608
ELECTRIC VULCANIZING MACHINE
Alfred D. Slatkin, Birmingham, Mich.
Application May 28, 1948, Serial No. 29,726
9 Claims. (Cl. 18—18)

9. A tire patch vulcanizing machine comprising a frame structure, a tire patch support member carried by the frame structure and provided with a heating element, said member provided with a recess receiving an ear carried by said tire patch, a switch of the type comprising a mechanically actuated spring biased switch mechanism, a spring returned switch button operable to actuate said mechanism to close the switch and electric circuit to the heating element, and a thermal responsive means for opening said switch mechanism, clamping means for clamping a tire tube on said patch under pressure, means for actuating said clamping means, and switch actuating means operated by the clamp actuating means for actuating the mechanically actuated switch mechanism, said last mentioned means comprising a plunger guided by said frame structure and provided with a cam surface, a striker yieldingly slidably supported by said plunger and positioned in substantially abutting contact with the ear carried by said tire patch, and a spring biased actuator carried by said



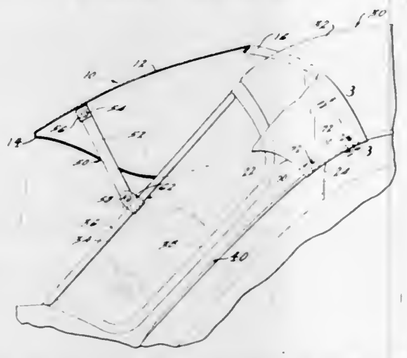
striker and engaged with the cam surface, said actuator being moved by reason of the relative contracting sliding movement of said striker and plunger causing the actuator to ride on said cam surface, whereby to depress the switch button and actuate the switch mechanism to close the electrical circuit to said heater, and means to further actuate said striker to advance same to distort the ear of said tire patch to relatively separate said plunger and striker and to thus disengage said spring biased actuator from said cam surface, said actuator and switch button being spring retracted after closing the switch, and said thermal responsive means being subsequently operable to actuate the spring biased switch mechanism to open said switch, said plunger provided with a shoulder, said spring biased actuator having a return bent portion engaging said shoulder, whereby retraction of said plunger retracts said striker.

2,581,609
DIAMOND TOOL
Louis Small, Detroit, Mich., assignor to Service Diamond Tool Company, Ferndale, Mich., a corporation of Michigan
Application August 30, 1950, Serial No. 182,353
6 Claims. (Cl. 125—39)



1. A tool for dressing an abrasive grinding wheel and comprising a shank, a clamp at one end thereof comprising a fixed clamping arm, an adjustable screw threaded into said fixed clamping arm, and a locating surface portion disposed in a plane parallel to and spaced from the axis of said screw, and a multi-sided diamond set member having a plurality of diamond-studded sides and also a plurality of sides providing an individual finished surface for locating and positioning each of said diamond-studded sides relative to the axis of said shank, said diamond set member being secured relative to said shank in any of its adjusted positions by said screw and held with one of said finished surfaces in intimate engagement with said locating surface portion.

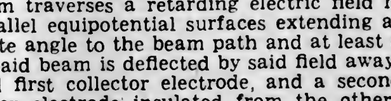
2,581,610
VISOR APPARATUS
Herman W. Smith, Highland Park, and Clifford C. Jackson, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 17, 1948, Serial No. 39,304
4 Claims. (Cl. 296—95)



1. A sun visor adapted to be mounted forwardly of and above and to extend in a substantially upwardly converging relationship to a vehicle windshield, the sun visor comprising a sheet-like body portion having the opposite end edge portions thereof adapted for attachment to the vehicle and having a free upper side edge extending between said end edge portions, the sheet-like visor portion being arranged to overhang the windshield in spaced relation, said visor body portion having a flat plate-like stiffening flange extending along the said free upper edge of the visor body portion and projecting downwardly from said body portion at an angle relative to the plane of said visor body portion, said flange providing an air flow control element that guides the air flow relative to the body portion as air is caused to flow across the visor due to forward motion of the vehicle.

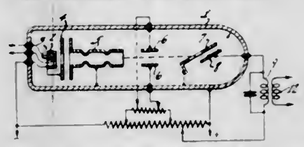
2,581,611
FLEXIBLE MATTRESS SUPPORT
Zygmunt Szulce, Warsaw, Poland
Application December 20, 1947, Serial No. 792,963
In Poland December 6, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires December 6, 1960
13 Claims. (Cl. 5—239)

6. A mattress support which comprises a rigid frame having two opposed end members, a plurality of latticed trusses arranged in parallel and spaced relation to each other in said frame, means for flexibly connecting each one of said latticed trusses with its ends to said opposed end members, each latticed truss having an upper chord and a lower chord each consisting of a series of rigid wire members, at least one helical spring arranged in the center of said series of rigid wire members forming the lower chord of said latticed truss, and a series of vertical and rigid U-shaped wire links arranged transversely to said rigid wire members, loops at each



end of the two spaced and parallel legs of said U-shaped wire links, the loops of one leg connecting the adjacent ends of the wire members in the upper and lower chord of one truss flexibly with each other, while the loops on the other leg connect the adjacent ends of the wire members in the upper and lower chord of the next adjacent truss flexibly with each other, whereby the rigid wire portion between the vertical legs of the U-shaped wire links maintain the two adjacent trusses in spaced relation to each other.

2,581,612
ELECTRON DISCHARGE DEVICE OF THE BEAM DEFLECTION TYPE
Harry C. Thompson, Chester, Vt., assignor to Radio Corporation of America, a corporation of Delaware
Application October 20, 1948, Serial No. 55,502
21 Claims. (Cl. 315—12)

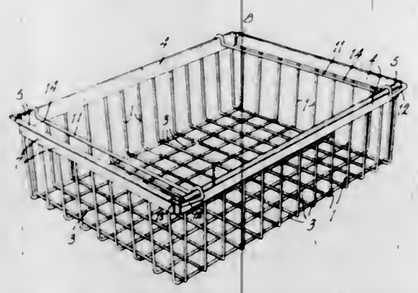


1. An electron discharge device comprising electron gun means for supplying and directing a beam of electrons along a beam path, and electrode means including a first collector electrode having a surface extending across said beam path at an acute angle thereto, a field electrode positioned adjacent said first collector electrode and having a surface facing and parallel to said surface of said first collector electrode, means for applying a positive potential to said field electrode, means for applying a substantially lower positive potential to said first collector electrode, whereby during operation of said device said beam traverses a retarding electric field having parallel equipotential surfaces extending at said acute angle to the beam path and at least a part of said beam is deflected by said field away from said first collector electrode, and a second collector electrode insulated from the other electrodes and located beyond said first collector and field electrodes in position to receive electrons of said beam deflected from said first collector electrode.

2,581,613
STACKING BOX OR TRAY
Fred J. Ulrich, Kalamazoo, Mich., assignor to Lee A. Fordon, Detroit, Mich.
Application October 3, 1946, Serial No. 700,968
4 Claims. (Cl. 220—19)

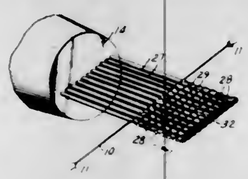
1. A stacking and nesting box or tray comprising wall slats of generally vertically extending

wires disposed in laterally spaced relation and having straight upper ends, the lower ends of opposed pairs of slats being integrally connected by bottom wires disposed in crossed relation and welded together at their crossing points, sheet metal rim members of downwardly facing channel section having rounded web portions and disposed with their flanges embracing the upper ends of the wall slats and welded thereto, the in-



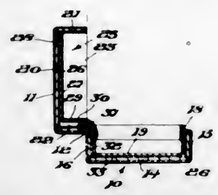
ner flanges of the rim members being integrally connected at the corners of the box, the ends of one pair of opposed rim members and the rounded web portions thereof constituting pintle bearings, and stacking bails provided with arms having inturned pintles engaged in said bearings, the end slats in said opposed rim members terminating below said bearings, the ends of interior slats in said opposed rim members extending into said rounded portions and constituting stops for the inner ends of said pintles.

2,581,614
APPARATUS FOR THE MANUFACTURE OF PATTERNED THERMOPLASTIC STRIP MATERIAL
Julius Veit, Hounslow West, England; Gertrud Veit, executrix of said Julius Veit, deceased, assignor to Duratube & Wire Limited, Feltham, England
Application May 27, 1948, Serial No. 29,545
In Great Britain October 9, 1947
3 Claims. (Cl. 18—12)



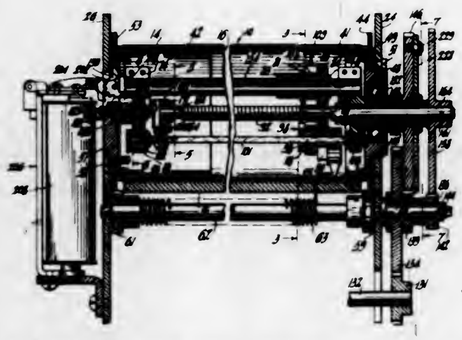
1. Apparatus for manufacturing thermoplastic strip material patterned with longitudinal rows of protuberances, comprising an extrusion die with an horizontal row of separate extrusion orifices and a straight obstructing element, longer than the length of said row of orifices, arranged horizontally in front of, parallel to and spaced from said row of orifices, the distance of said obstructing element from said row of orifices being such that said obstructing element will obstruct the normal free flow of the cords of thermoplastic material from said orifices while said thermoplastic material is still in the hot and soft condition and said orifices being so close together that, when said cords are in contact with said obstructing element, their lateral edges coalesce.

2,581,615
DISPLAY BOX
Hamilton Whitelaw, Cranston, R. I., assignor to Douglas Young, Inc., a corporation of Rhode Island
Application December 7, 1948, Serial No. 63,954
1 Claim. (Cl. 220—32)



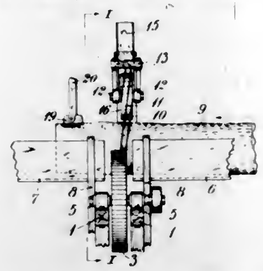
A rectangular box comprising a body having a bottom with upstanding back, front, and end walls, a cover having a top with depending back, front and end walls, a hinge joint between said back walls, a unit comprising a pad having a core with a covering secured to the inner side of the top wall with said covering extending from the pad over the back wall of said cover and over said joint between said back walls, said pad having a second core hinged thereto which extends along the back wall of the cover and said covering being also over said second core.

2,581,616
FACSIMILE SCANNER
Charles J. Young, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 30, 1948, Serial No. 57,604
5 Claims. (Cl. 346—112)



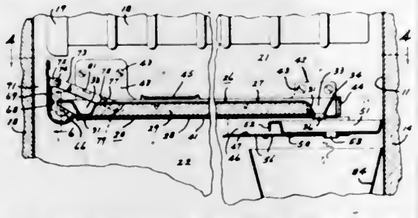
3. Facsimile apparatus comprising a carriage having an exploring point, means to receive and retain a message sheet in position for scanning cooperation with said exploring point, a track upon which said carriage is slidable, means for imparting rotary movement to said track and the carriage thereon, a rotary lead screw to propel said carriage on said track longitudinally of said message sheet retaining means, a two-part split nut on said carriage for engaging said lead screw, means on said carriage for pressing the parts of said split nut into engagement with said rotary lead screw to propel the carriage, rockable cam means on said carriage for spreading said split nut means to release said carriage, and biasing means to return said carriage to a pre-scanning position, and means rotatable with said carriage to release said propelling means.

2,581,617
DEVICE FOR BARKING OF LOGS OR THE LIKE
Nikolai Alfsen, Oslo, Norway
Application July 30, 1947, Serial No. 764,675
In Norway February 14, 1947
5 Claims. (Cl. 144—208)



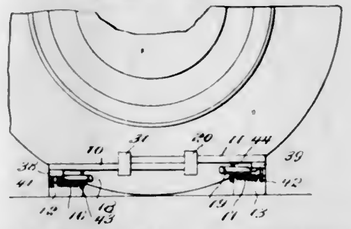
1. A log debarking device comprising in combination a frame; two stationary guide members for the entrance and exit of a log to be debarked, said guide members being arranged in alignment in said frame along the path of log travel and being separated from each other by a gap; a pair of toothed wheels spaced from each other in a common plane lying normal to said path of log travel and protruding into said gap between said guide members, said pair of toothed wheels being connected to the frame for rotation about parallel axes in the same peripheral direction; means to rotate said toothed wheels at different peripheral speeds; an idler wheel mounted in said frame above the gap between said guide members in a plane parallel to, but spaced from said common plane, and being rotatable about an axis parallel to the axes of said toothed wheels; at least one helically shaped knife arranged on the periphery of said idler wheel; and means for pressing said idler wheel and said helically shaped knife against the log to be debarked, whereby said helically shaped knife makes a helical incision into the bark of the log, thus facilitating the removal of the bark by said toothed wheel, and at the same time feeds the log to be debarked in the longitudinal direction thereof.

2,581,618
REFRIGERATOR CABINET
Louis A. Anderson, Dayton, Ohio, and James J. Slattery, Chicago, Ill.; said Anderson assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware; said Slattery assignor to Montgomery Ward and Company, Inc., Chicago, Ill., a corporation of Illinois
Application January 26, 1949, Serial No. 72,934
6 Claims. (Cl. 62—103)



1. In combination, a refrigerating apparatus including a cabinet having walls defining a chamber therein provided with an access opening normally closed by a door, a partition dividing said chamber into an upper compartment and a lower compartment, a closed refrigerating system associated with said cabinet and including an evaporator disposed in said upper compartment for cooling and causing circulation of air within said chamber, said partition comprising a stationary part extending continuously across said chamber from one side wall to the other side wall thereof and from a point spaced a short distance from said door to a point spaced a considerable distance from the rear wall of said chamber, said partition also comprising a movable part closing a substantial portion of said space between said stationary part of said partition and said chamber rear wall and having its ends spaced a short distance from said chamber side walls, a trim cover pivotally mounted at the front edge of said stationary part of said partition and extending upwardly therefrom in spaced parallel relation to the inner face of said door, the space between said trim cover and said door permitting a normal limited circulation of air upwardly from said lower compartment over said evaporator, the spaces between the ends of said movable part of said partition and said chamber side walls permitting a normal limited circulation of air downwardly from said upper compartment into said lower compartment, and said trim cover being tiltable about its pivotal mounting inwardly toward the face of said partition and said movable part of said partition being slidable away from said chamber rear wall for increasing the circulation of air between said compartments above said normal limited circulation thereof.

2,581,619
VEHICLE WHEEL CHOCK
Mike Arrigo, Pueblo, Colo.
Application August 30, 1950, Serial No. 182,373
3 Claims. (Cl. 188—32)

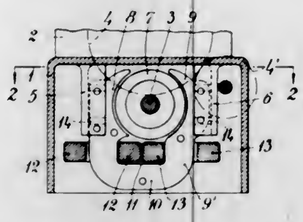


1. In a wheel chock, the combination which comprises a bar, solid wheel engaging blocks having wheel receiving recesses in opposed faces thereof with the blocks extended pivotally mounted on the ends of the bar, means adjusting the length of the bar, resilient means urging the blocks to folded positions below the bar, and handles extended from the pivotally mounted ends of the blocks for holding the blocks in extended positions by hand.

2,581,620
SEWING MACHINE MOTOR
Arnljot Austlid, Oslo, Norway
Application January 18, 1947, Serial No. 722,817
In Norway January 22, 1946
1 Claim. (Cl. 112—220)

In a sewing machine having a cast machine bed plate and a catcher shaft rotatably mounted below the bed plate, the combination of a motor armature fixed directly on the catcher shaft; brush bridge means and stator supports cast integral with said bed plate; a substantially horseshoe shaped magnet, carrying pole-shoes largely embracing said motor armature and including also a closed transversal end portion, the transi-

tional portion between one pole-shoe and the closed transversal end portion of the magnet being spaced a predetermined distance from plane of symmetry extending through the axis of rotation of the motor armature normal to said transversal closed end portion of the magnet and being shaped in such a manner as to allow threading over of field coils having a cross section of predetermined width, and the other transitional portion between the other pole-shoe and the closed transversal end portion of the



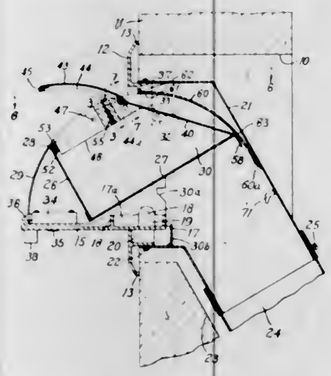
magnet being spaced from said plane of symmetry a greater distance than said first mentioned transitional portion so as to allow sufficient space for the cross sectional width of said field coils between said transitional portions; and a projection on said other transitional portion forming an extension of said other pole-shoe and projecting along the surface of said motor armature between the same and the space provided for the field coils so as to render substantially equal the areas of said pole-shoes embracing said motor armature.

2,581,621

NIGHT DEPOSITORY THEFTPROOF CLOSURE CONSTRUCTION

Herbert C. Behrens, Canton, and Herbert C. Badenell, Navarre, Ohio, assignors to Diebold, Incorporated, Canton, Ohio, a corporation of Ohio

Application November 23, 1948, Serial No. 61,572
3 Claims. (Cl. 232—44)



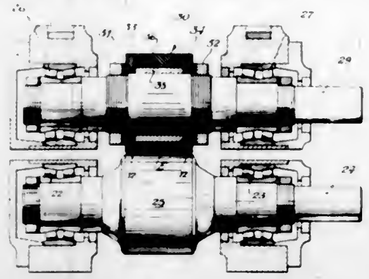
2. In a night depository having a door hinged at its bottom edge on a frame and a hopper mounted on the inside of the door for dumping into a chute when the door is closed, an inner closure flap pivoted on the hopper for closing its inner end and having a slot therein, and a projection on the frame for engaging said slot to arrest opening movement of the door when the flap is held in partially open position.

2,581,622

APPARATUS FOR SHAPING METAL PLATES

Gaspar P. Benes, Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware

Application February 15, 1946, Serial No. 647,899
1 Claim. (Cl. 80—58)



In an apparatus for rolling to produce marginal portions of reduced thickness on metal printing plates, cooperating swaging means comprising a hard backing roller, a swaging roller cooperating therewith, said swaging roller comprising opposed swaging collar members adapted to apply swaging pressure to said marginal portions to create said reduced thickness, and a resilient control member intermediate said collars, means for accurately adjusting said swaging roller to position the swaging collars thereon in proper swaging position and in opposed overlapping relation to said backing roll, said resilient member having a selected degree of hardness such that its compression against intermediate areas of a printing plate in the course of a swaging operation, spreads the contact of its surface so as to apply a straightening force to said plate and to allow the flow of metal inwardly of said rollers to extrude from the surface of the plate to avoid bending strain on the central portion of the plate and thereby prevent any tendency of said plate to curve by reason of strains set up by said cooperating swaging means.

2,581,623

HAMMOCK STAND

Clarence F. Benjamin, North Harlowe, N. C.

Application November 19, 1947, Serial No. 786,995
1 Claim. (Cl. 5—120)



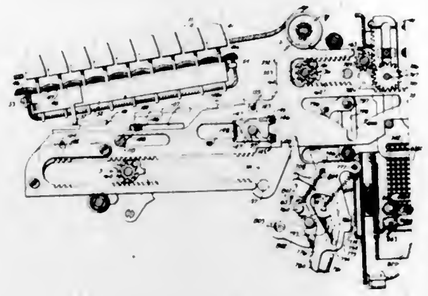
A folding hammock stand comprising side members, each side member including end bars and intermediate bars pivotally connected to the lower ends of the end bars, said intermediate bars being pivotally connected intermediate the ends thereof and being inclined in opposite directions, links pivotally connecting the end bars with the upper ends of the intermediate bars, said links adapted to move downwardly past dead center, normally holding the end bars extended, rods connecting the side members at their upper ends, and a hammock having its ends connected to said rods securing the hammock to the frame.

2,581,624

EARLY FACTOR MECHANISM

Robert E. Boyden, Los Angeles, and Edward P. Drake, Glendale, Calif., assignors to Clary Multiplier Corporation, Los Angeles, Calif., a corporation of California

Original application November 19, 1946, Serial No. 710,880. Divided and this application March 7, 1949, Serial No. 79,954
9 Claims. (Cl. 235—60)



1. In a calculating machine, the combination of registering mechanism, a keyboard including a plurality of settable value keys, actuating mechanism for said registering mechanism including differentially movable elements adapted to be controlled by set ones of said keys; said differential elements being normally out of register with set ones of said keys, cyclically operable drive means for said actuating mechanism, control means including a first device for moving said elements into register with depressed ones of said keys, a second device operable by said drive means and normally operatively connected to said first device for actuating the same, total taking means effective to cause operation of said drive means to actuate said differential elements to take a total from said registering mechanism, and means responsive to actuation of said total taking means for operatively disconnecting said first and second devices.

2,581,625

MEANS FOR REDUCING PROPELLER VIBRATIONAL EFFECTS

Merle C. Brady, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, a corporation of Delaware

Application December 17, 1946, Serial No. 716,751
7 Claims. (Cl. 244—129)



3. Vibration protective construction for an aircraft having propellers and a fuselage, said fuselage having inwardly offset side wall portions within a predetermined local area adjacent the propellers of the aircraft, insulating panels exteriorly attached to said offset side wall areas of said fuselage and resilient means for attaching said panels to said inwardly offset side wall portions of said aircraft fuselage.

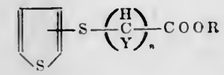
2,581,626

THIENYLTHIO CARBOXYLIC ACIDS AND THIENYLTHIO CARBOXYLIC ACID ESTERS IN LUBRICATING COMPOSITIONS

John W. Brooks, Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application October 6, 1948, Serial No. 53,155
8 Claims. (Cl. 252—48.6)

1. An improved mineral oil composition comprising a major proportion of mineral oil and in admixture therewith a minor proportion, less than about 10 per cent by weight but sufficient to stabilize said oil against the deleterious effects of oxidation, of a compound having the general formula:



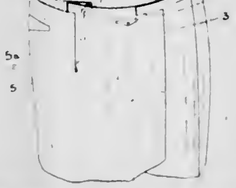
where R is selected from the group consisting of hydrogen and an alkyl group; Y is selected from the group consisting of hydrogen, an alkyl, an acyl, and a carboxy group; and n is a whole number from 1 to 18.

2,581,627

WAIST-FITTING WEARING APPAREL

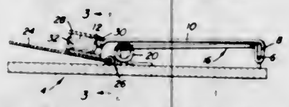
Alfred H. Bubb, Southdene, Port Elizabeth, Union of South Africa

Application November 10, 1949, Serial No. 126,476
In Union of South Africa June 11, 1949
4 Claims. (Cl. 2—237)



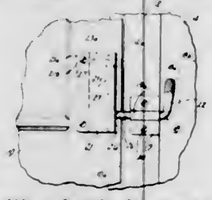
1. In a waist-fitting nether garment, a waistband comprising a front portion, side portions joined to the front portion, and a rear portion joining the rear ends of the side portions and having an open-ended tunnel formed therein, said waistband being continuous around the sides and back of the garment and having garment material suspended from each of said portions, waistband extensions at opposite sides of said front portion extending rearwardly from the junction of the front and side portions of the waistband, said extensions overlying said side portions and slidably entering said open-ended tunnel of the rear portion, cooperating fastening means on said extensions and the side portions of the waistband for adjustably fastening the extensions directly to said side portions in different positions relative to one another in a fore and aft direction, and a tension member in the tunnel connecting the rear ends of the extensions and acting on said extensions to draw the ends of the extensions into the tunnel a greater or less amount in accordance with the adjustable fastening between the extensions and said side portions of the waistband, whereby the waistband presents a continuous smooth appearance in all adjusted positions.

2,581,628
MOUSE AND RATTRAP WITH IMPROVED BAIT HOLDER
Earl L. Burwell, Warsaw, Ind.
Application May 19, 1950, Serial No. 162,868
3 Claims. (Cl. 43—81)



1. An attachment for a rat trap of the class shown and described comprising a substantially rectangular treadle forming plate provided on one marginal edge portion with apertures and coacting and hinging staples and also provided adjacent said one marginal edge portion with a bait holding sleeve which is wholly open at opposite ends, one end of said sleeve having a bent indentation providing a keeper for a co-acting end portion of a trigger latch.

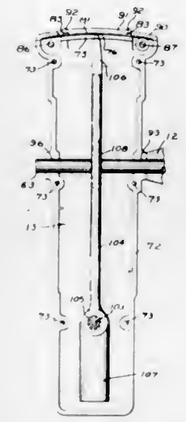
2,581,629
WINDOW LATCHING DEVICE
Arthur J. Calderwood, Traer, Iowa
Application April 8, 1948, Serial No. 19,772
1 Claim. (Cl. 292—262)



A three-position latch for use in combination with a window frame including spaced vertical frame members and a sash pivotally mounted to swing inwardly at the top thereof and recessed between the said vertical frame members, said latch comprising a generally U shaped bolt, one leg thereof being of a length substantially equal to the distance between the inner surface of the sash, when closed, and the inner edge of one of said vertical frame members, the said leg having a lateral projection at the end thereof, the other leg of said bolt providing a handle therefor, a keeper having a portion thereof adapted to revolvably and slideably receive the transverse portion of the bolt and secure the bolt to an inner surface of one of said vertical frame members, and a latching plate secured to the sash at a distance from the edge thereof substantially equal to the thickness of the said leg of the bolt, the latching plate having a portion thereof adjacent the edge of the sash spaced inwardly from the sash a distance sufficient to receive the lateral projection of the leg therebetween, the legs of the bolt being spaced apart a distance greater than the length of the said keeper by at least the thickness of the said leg, and the keeper also being spaced from the edge of the frame member adjacent the sash a distance at least equal to the thickness of the said leg of the bolt.

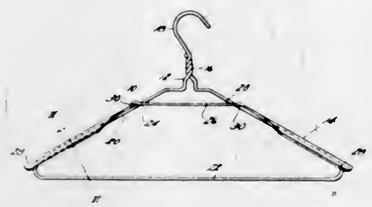
2,581,630
WHEEL GAUGING APPARATUS
Tracy Carrigan, Lansing, Mich., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application September 10, 1945, Serial No. 615,444
8 Claims. (Cl. 33—203.18)

2. A device for measuring alignment characteristics of dirigible vehicle wheels comprising, a member having a hollow body, means for attaching said member to a wheel in pendent position comprising an arm carried by said wheel and extending through the body of said member at a point above the center of gravity of the member whereby the member is free to swing in a substantially vertical plane at right angles to the longitudinal center line of said arm, an indicating



scale on the upper portion of said member, and a weighted pointer pivotally mounted within the hollow body of said member at a point beneath said arm, said pointer extending upwardly within the body of said member and having an eye formed therein through which the arm extends to permit free swinging movements of said pointer through a path intersecting the longitudinal center line of said arm.

2,581,631
GARMENT HANGER
Daniel L. Carta, Kansas City, Mo.
Application June 10, 1946, Serial No. 675,577
3 Claims. (Cl. 223—88)



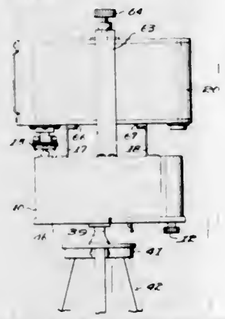
1. A shoulder shaping device for application to a garment hanger of the type having a wire frame including downwardly and outwardly diverging shoulder portions and a suspension hook, said device comprising a relatively wide resilient shoulder piece having a slit central section and adapted to be fitted to said wire shoulder portions and longitudinally grooved wings at opposite ends of said central section adapted to rest on the outer portions respectively of said wire shoulder portions with the wire in said longitudinal grooves, said grooves being proportioned to fit snugly over said wire shoulder portions, said wing portions extending outwardly beyond the ends of said wire shoulder portions.

2,581,632
STRONGLY ADHERENT METALLIC COATED ARTICLE
William H. Colbert and Arthur R. Weinrich, Brackenridge, and Willard L. Morgan, Haverford, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Original application June 24, 1944, Serial No. 541,964, now Patent No. 2,482,054, dated September 13, 1949. Divided and this application September 27, 1948, Serial No. 51,404
11 Claims. (Cl. 88—105)



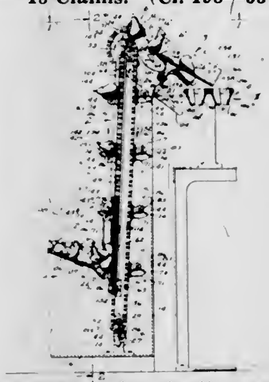
1. A bonded mirror comprising a vitreous siliceous support body having a smooth continuous surface; a continuous intermediate, transparent, invisible, colorless metal sulfide adhesive layer having a thickness of the order of a few molecules permanently and directly adhered by molecular forces to the smooth continuous surface of said support body without intermingling into the material of the support body, the adjacent surfaces of said support body and said adhesive layer being in intimate continuous surface to surface contact and defining a smooth continuous interface, the other surface of said adhesive layer being of substantially the same smoothness as the said smooth surface of the support body; and a metal reflecting film permanently and directly adhered by molecular forces to said adhesive layer, the adjacent surfaces of said adhesive layer and said reflecting film being in intimate continuous surface to surface contact and defining a smooth continuous interface, the other surface of said reflecting film being of substantially the same smoothness as the said smooth surface of the support body, said adhesive layer being of a thickness invisible to the naked eye and without optical or color effects upon the transmission and reflection characteristics of the mirror when the mirror is viewed from a side upon which light is incident.

2,581,633
PANORAMIC CAMERA SPRING MOTOR
Louis J. Combe, Riverside, Calif.
Application January 6, 1950, Serial No. 137,055
1 Claim. (Cl. 185—37)



In a panoramic camera spring motor, the combination which comprises a horizontally disposed cylindrical housing having a horizontally disposed partition therein dividing the housing into an upper spring compartment and a lower gear compartment, a shaft journaled in the upper compartment, a spring positioned around said shaft with the inner end attached to the shaft, a spring casing positioned over the spring and attached to the outer end thereof, an operating gear mounted on the said shaft and positioned in the upper spring compartment, a winding gear mounted on the said spring casing and also positioned in the upper spring compartment, camera mounting brackets positioned on the upper end of the said cylindrical housing, a film winding shaft journaled in the said cylindrical housing and extended for engagement with a film winding key of a camera positioned on the said camera mounting brackets, gears meshing with the gear on the shaft upon which the spring is mounted, and a gear on the said film winding shaft for rotating the film winding shaft, a spindle extended through the said gear compartment of the housing and journaled in the said housing, a worm gear on said spindle, a worm actuated by the gears for rotating the said film winding shaft meshing with the said worm gear on the spindle for rotating the housing on the said spindle, a governor in said gear compartment, gears meshing with the said gear on the shaft on which the spring is mounted and operatively connected to said governor, and a spring winding stem having a knob on the outer end and a gear on the inner end journaled in the said housing and positioned with the gear on the inner end meshing with the gear on the said spring casing.

2,581,634
PEAR FEEDING AND ORIENTING APPARATUS
Burton C. Coons, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application December 5, 1944, Serial No. 566,694
13 Claims. (Cl. 198—33)



1. An apparatus for feeding and orienting pears comprising in combination a feed and orienting chute adapted to receive and guide pears along a predetermined path, a transferring conveyer for receiving pears in timed succession and in an indeterminate position from a promiscuous mass thereof, means associated with said transferring conveyor for orienting pears therein during a transferring conveyance of the pears, said transferring conveyor being adapted to deposit the oriented pears individually blossom end down at timed intervals into said chute, and means for mounting said chute in declined position to cause the pears received blossom end down therein to gravitate along said chute said chute being adapted to dispose the stem end of the pears in leading position therein.

2,581,635

WOOD FIBER BASE MATERIAL AND PROCESS FOR MAKING THE SAME

Edwin P. Cox, Hamilton, Ohio, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio

No Drawing. Application May 27, 1944, Serial No. 537,733
3 Claims. (Cl. 154—133)

1. Process of making a wood fiber base product, which comprises: substantially completely removing the non-cellulosic constituents from pieces of wood of small and substantially uniform thickness, by subjecting them to the chemical treatments involved in a chemical wood pulping process; preserving the form and integrity of said pieces, and the fiber orientation and arrangement therein, substantially without change during said removal; thereafter impregnating said wood with phenol-formaldehyde resin in amounts to form a product consisting of from sixty to ninety per cent, dry weight, of cellulose fiber with the balance substantially all resin; then curing the resin under heat and pressure; and throughout said removal, maintaining free access of the treating fluids to both sides of said thin pieces; said preservation of form, integrity, and fiber orientation and arrangement being accomplished by separately supporting each piece at close intervals throughout substantially the entire area of one of its major surfaces, and by protecting it from deforming stresses and disruptive influences.

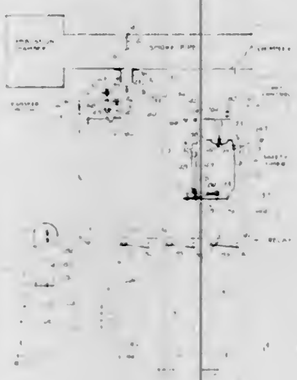
2. Process as defined in claim 1, wherein a plurality of the impregnated pieces are superposed, and the heat and pressure for curing are applied after said superposition, and wherein the applied pressure compresses the superposed pieces to a volume smaller than that to which it would have been possible to compress the original wood, and wherein the pressure is maintained during the curing process.

2,581,636

OIL BURNER SAFETY CONTROL SYSTEM

Lewis L. Cunningham, Sherman Oaks, Calif., and Albert L. Judson, Portland, Oreg., assignors to Iron Fireman Manufacturing Company, Portland, Oreg.

Application April 9, 1948, Serial No. 20,008
4 Claims. (Cl. 158—28)



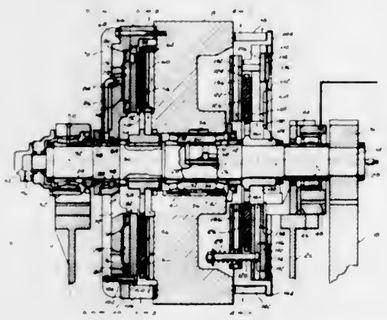
1. In a control system for an oil burner, a first circuit including a first pair of relay switch contacts and a burner motor, a second circuit including a first pair of transfer switch contacts, a second pair of relay switch contacts and ignition means for said burner, a third circuit including a second pair of transfer switch contacts, a normally closed safety timing switch, an electrically energized actuator for said timing switch and the primary coil of a transformer, a fourth circuit including a third pair of transfer switch contacts and a third pair of relay switch contacts, a fifth circuit including the secondary coil of said transformer, a relay operating coil and condition responsive means for closing said fifth circuit to energize said relay coil, means for closing said relay contacts when said relay coil is energized and opening said relay contacts when said relay coil is de-energized, said first, second, and third circuits being connected in parallel across a source of electric power, said fourth circuit being connected in parallel across the transfer switch contacts and the safety switch of said third circuit, and oil burner combustion temperature responsive means for sequentially closing said third pair of transfer switch contacts and opening said first and second pairs of transfer switch contacts when said combustion temperature is trending upward and for sequentially opening said third pair of transfer switch contacts and closing said first and second pairs of transfer switch contacts when said combustion temperature is trending downward.

2,581,637

CLUTCH ASSEMBLY FOR PRESSES

Philo H. Danly, Hinsdale, George I. Danly, Elmhurst, and Vasil Georgeff, Chicago, Ill., assignors to Danly Machine Specialties, Inc., Chicago, Ill., a corporation of Illinois

Application November 3, 1947, Serial No. 783,745
1 Claim. (Cl. 192—113)



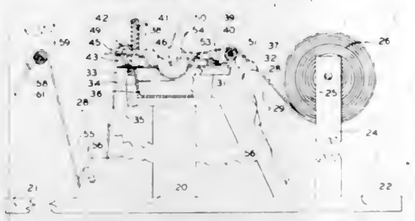
A clutch assembly including in combination a shaft, a housing mounted for relative rotation around the shaft, a plurality of centrifugal fan blades positioned around the periphery of the housing and secured thereto for rotation therewith, an axially fixed clutch plate carried by the housing, an axially movable clutch plate carried by the housing, said clutch plates being formed with passageways extending radially therethrough, a clutch disc secured to the shaft for rotation therewith and formed with a plurality of apertures, friction blocks movably positioned in the apertures between the clutch plates, means providing communication between the atmosphere and the interior of the housing adjacent the shaft, means formed in the clutch disc adjacent the shaft providing an air passageway through the clutch disc, and means for moving the movable clutch plate to clamp the friction blocks between the clutch plates.

2,581,638

TAPE WETTING MACHINE

Forrest F. Deering, Columbus, Ohio, assignor to The H. C. Godman Company, Columbus, Ohio, a corporation of Ohio

Application September 7, 1949, Serial No. 114,373
5 Claims. (Cl. 91—13)



1. A strip moistening machine for strip material such as a roll of crepe rubber, comprising in combination, a tank adapted to contain liquid; a support; support mechanism carried by the support and mounted for substantially vertical movement above the tank; a strip guide carried by the support mechanism and adapted to be moved in a substantially vertical direction into and out of the liquid when liquid is contained in the tank; a second guide carried by the support mechanism above the first mentioned guide; means normally yieldingly urging the support mechanism upwardly, said strip material being adapted to be threaded for movement, progressively, under the first and then over the second mentioned guides.

2,581,639

GLASS TO METAL SEAL AND GLASS COMPOSITION

James Earle Duncan, Brackenridge, and John J. Smith, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company

No Drawing. Application December 1, 1950, Serial No. 198,507
3 Claims. (Cl. 49—92.5)

1. A glass to metal seal between an alloy consisting essentially of 83 percent by weight of iron and 17 percent by weight of chromium and a glass having an ultimate analytical composition of:

Component	Parts by weight
SiO_2	69.23
Na_2O	16.68
CaO	7.44
MgO	2.67
Al_2O_3	3.04
NaCl	.14
Na_2SO_4	.63
As_2O_5	.05
Fe_2O_3	.10
CoO	.003
NiO	.018

2,581,640

BITUMINOUS COMPOSITION

George Arthur Fasold, Mount Healthy, and Harold W. Greider, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio

No Drawing. Application August 23, 1945, Serial No. 612,284
3 Claims. (Cl. 106—282)

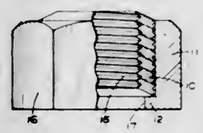
1. A solvent-thinned bituminous cementing composition adapted for application to provide a waterproofing layer in the construction of built-up roofing which consists essentially of non-volatile constituents constituting the non-volatile base of the bituminous composition, and a volatile solvent for the bitumen in said non-volatile base, said non-volatile base comprising about 35% to about 45% by weight of bitumen having a softening point of the range 115° F. to 135° F. and about 55% to about 65% by weight of finely-divided solid water-insoluble filler having a melting point above 500° F., said filler comprising planar-extended filler consisting of particles which pass a 6 mesh testing sieve and which do not have more than one dimension greater than .046 inch and the grading index of which has a ratio to the percent by weight of the bitumen in said non-volatile base of at least 1 to 5, the ratio of the grading index of said planar-extended filler to the percent by weight of the bitumen in said non-volatile base being not greater than about 1 to 2.5, said finely-divided solid water-insoluble filler comprising material passing a 100-mesh testing sieve which is any constituent particles passing a 100-mesh testing sieve comprised in the total filler and which constitutes in said non-volatile base at least about 35% to at least about 45% by weight of said non-volatile base proportionally for total filler contents ranging from 55% to 65% by weight of said non-volatile base, said filler comprising heat-resistant mineral filler the ratio of the percent by weight of which in said non-volatile base to the percent by weight of bitumen in said non-volatile base is at least 1 to 2, said non-volatile base having a Wagner-Bowen plasticity value at 400° F. greater than 275 grams and less than 700 grams, said volatile solvent constituting not greater than 20% by weight of said bituminous composition and having fungacity in said composition at least as great as carbon tetrachloride, and said bituminous composition as thinned by said solvent having a Wagner-Bowen plasticity value at 77° F. between 25 and 75 grams.

2,581,641

NUT

Harcourt Lester Forgaard, Wordsley, near Stourbridge, England

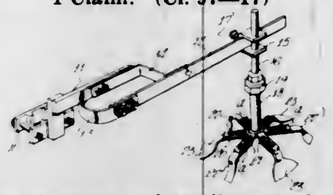
Application March 18, 1947, Serial No. 735,307
In Great Britain January 29, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 29, 1966
4 Claims. (Cl. 151—21)



1. A nut comprising a body, a plurality of rings having conical faces superimposed upon one another with their adjacent faces in contact to form a laminated element provided with a bore therethrough, said body having a recess for receiving said element with the peripheries of said rings interlocked against relative rotation with respect to the wall of said recess and constituting the sole means connecting said rings, the bore of said element having a continuous helical thread of a cross-sectional shape and size substantially equal to the thread groove of a standard bolt whereby said element is adapted to move toward a flattened position when engaged by said bolt under load so as to contract said element to lock said nut on said bolt, the thickness of each ring being substantially equal to the

pitch of said thread groove, and means at the lower end of said body engaging the outer peripheral portion only of the concave face of the lowermost ring.

2,581,642
COTTON CHOPPING AND WEEDING DEVICE
Jim C. Forney, Chilton, Tex.
Application March 28, 1949, Serial No. 83,953
1 Claim. (Cl. 97—17)



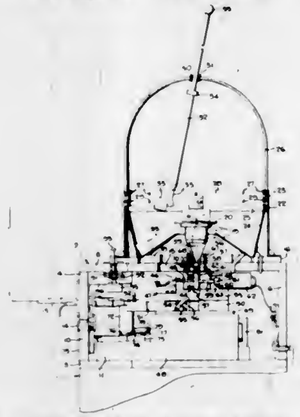
A cotton chopping and weeding attachment for a tractor including a mounting detachably connected to said tractor, a rotary shank attached to and inclined downwardly from said mounting, a spider affixed to the lower end of said shank having a plurality of radial and longitudinally slotted arms, a traction shoe attached to alternate arms of said spider, each having a downwardly turned, soil engaging outer end, a series of chopping and thinning blades, each having a shank attached to a remaining arm of said spider, said thinning blades being adapted to be brought successively into operative engagement with a row of plants as said traction shoes are brought successively into engagement with the soil adjacent said plants and means carried by each of said traction shoes and blade shanks and engageable with the slots of said spider arms to effect radial adjustment of said traction shoes and blades.

2,581,643
FOLDING FAN
Paul Raymond Francis, Nashville, Tenn., assignor to Francis & Lusky Co., Inc., Nashville, Tenn., a corporation of Tennessee
Application November 20, 1950, Serial No. 196,651
4 Claims. (Cl. 230—269)



1. A folding fan comprising: a central body portion having parallel front and rear panels, at least two oppositely laterally swingable panels movable from a folded-fan position generally behind said front panel to an opened-fan position generally beside said front panel, pivot-forming means passing through alined openings in said panels near their lower extremities to hold said panels assembled and to form a pivot for said swingable panels, the portions of said panels immediately adjacent to and below said pivot-forming means constituting the grip portions of said panels, arcuate openings in said swingable panels, fastening means passing through said arcuate openings and through said front and rear panels, whereby said front and rear panels are held against relative movement and said swingable panels are movable about said pivot-forming means within limits determined by said arcuate openings, the grip portions of said front and rear panels having slightly concave downwardly and inwardly sloping lateral edges, and said laterally swingable panels having concaved edges sloping downwardly and outwardly below said pivot means and extending laterally beyond said front and rear portions in the grip portions thereof and having their laterally opposite edges cut away and of such shape that when said concave edges are squeezed by a hand holding said grip portions, the lower extremities of said four panels will be forced into co-extensive over-lapping relationship as said panels reach opened-fan position.

2,581,644
COIN RELEASED SKILL GAME APPARATUS
Chester A. Frick, Glendale, Calif.
Application May 13, 1949, Serial No. 93,100
20 Claims. (Cl. 273—1)

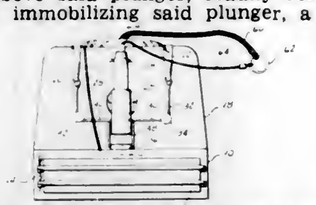


1. In a coin-released game of skill, a base, a wall structure defining an enclosed playing area containing a plurality of flat sided playing elements mounted on said base, a manually operable hook freely mounted in an opening in the wall structure adapted to engage said elements, a vertically movable balanced table member projecting through the bottom wall of said playing area, a coin released, manually operable means for elevating said table, a latch carried by said base and to support said table in elevated position and means effective to release said latch with incident dropping of said table when the table is caused to tilt to a predetermined extent by improper placing of said playing pieces thereon.

2,581,645
DELAY OPENING PARACHUTE PACK AND KNIFE PLUNGER RELEASING ASSEMBLY THEREFOR
Leonard P. Frieder, Great Neck, and Walter S. Finken, Brooklyn, N. Y., assignors, by direct and mesne assignments, to the Reconstruction Finance Corporation, Philadelphia, Pa., a corporation of the United States
Application July 14, 1949, Serial No. 104,712
3 Claims. (Cl. 244—149)

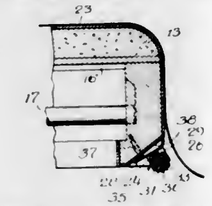
3. A delay releasing assembly including in combination a cylinder, a plunger positioned within said cylinder and formed with a knife extending at an angle to the axis of said cylinder, a powder train, a primer for igniting said powder

train, means for positioning said primer in spaced relation to said powder train to provide an expansion chamber for the gases of combustion of said powder train, means providing communication between said expansion chamber and said cylinder above said plunger, readily releasable means for immobilizing said plunger, a piston



positioned above said primer, a firing pin carried by said piston, a spring adapted to actuate the firing pin, readily releasable means for immobilizing said firing pin, a severable securing means passing through said cylinder in the locus of the plunger knife upon movement of the plunger under the influence of the pressure of the gases of combustion of said powder train.

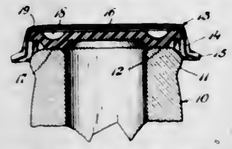
2,581,646
CLAMPED HOLD-DOWN STRAP
George E. Froelich, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Application August 23, 1950, Serial No. 181,068
3 Claims. (Cl. 311—10)



1. In a clamped hold-down strap for sanitary paper covering for the padded top of a physician's examining table, a substantially non-elastic transversely somewhat rigid plastic strap having one end fixedly secured at one side of said table top adjacent the lower edge thereof and extending across said padded top to a distance beyond the lower edge of the top at the opposite side thereof, and a gripping member secured adjacent the lower edge of the top at said opposite side, said member comprising a plate part and a resilient roller journaled in said member in frictional engagement with said plate part, whereby said strap may be passed between the roller and plate part in gripping engagement therewith and extending therebeyond for manual manipulation to tighten or loosen the strap over said padded top.

2,581,647
CROWN CAP AND PAD
Anthony Leo Genovese, Odenton, Md., assignor to The National Plastic Products Company, Odenton, Md., a corporation of Maryland
Application October 6, 1947, Serial No. 778,093
2 Claims. (Cl. 215—39)

2. A metal closure cap for sealing the neck of a bottle, said bottle being provided with a generally flat peripheral lip about the mouth thereof and a rounded bead circumscribing said lip, said closure cap comprising a body portion and a depending skirt cooperating with said bead and when assembled on the bottle defining with said bead an acute angular section, a sealing pad within said body portion comprising a generally planar body portion, an annular rib extending downwardly from one face of said sealing pad substantially coextensive with the lip of said bottle when said cap and said bottle are assembled, and an annular groove in the other face of said sealing pad generally coextensive with said rib so as to render said rib relatively resilient and pro-



vide a resilient seal against said bottle lip and a peripheral upstanding rib extending from said last mentioned face of said pad to provide said pad with a thickened periphery adapted to be displaced downwardly to substantially fill the acute angular section between said bead and the skirt of said cap upon assembly of said cap and said bottle.

2,581,648
SILENT PAWL AND RATCHET
Fred Gienger, Highland Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 1, 1949, Serial No. 119,156
6 Claims. (Cl. 74—576)

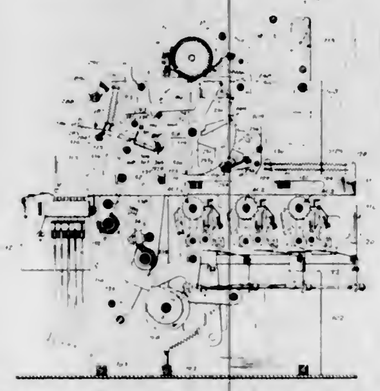


1. A pawl and ratchet mechanism comprising a ratchet wheel, means for mounting said ratchet wheel, a pawl adapted to cooperate with said ratchet wheel, means for pivotally mounting said pawl to engage said ratchet wheel, the portion of the detent end of said pawl which is farthest removed from said pivot means having a rounded peripheral surface, a friction element between said ratchet wheel and said pawl mounting means, and a projection on said friction element extending outwardly therefrom and disposed to engage the said rounded surface of the detent end of said pawl, said projection having the pawl engaging surface extending outward with reference to the pawl mounting pivot, whereby the pressure of said friction element surface against said rounded peripheral pawl surface forces said pawl out of engagement with said ratchet wheel when said pawl is rotated with reference to said ratchet wheel.

2,581,649
ZERO SUPPRESSING MEANS FOR PRINTING MACHINES
Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Original application June 12, 1946, Serial No. 676,329. Divided and this application January 2, 1948, Serial No. 279
1 Claim. (Cl. 101—93)

In a multiple-order settable numerical printer having a pair of side frames, a plurality of settably mounted type-carriers mounted between said side frames and allocated to successive numerical orders from a highest order to a lowest

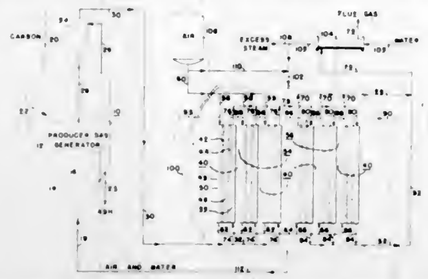
order, said carriers having numerical type characters thereon for printing digits from 1 to 9 and zero, setting means for differentially setting the respective type carriers for printing any selected digit from 1 to 9, said setting means being normally operable to dispose said carriers in zero-printing positions, a plurality of individual printing hammers mounted between said side frames and spring urged from retracted positions to striking positions and allocated to the respective carriers for effecting printing of the set-up characters of the respective type carriers, restoring means for retracting said hammers, a common hammer latch for all of said hammers for retaining the same in said retracted positions and for concurrently releasing all of the hammers for striking movement, and spring means disposed between said side frames and shiftable between normal retracted positions and active positions and embodying individual yielding spring elements allocated to the respective orders and disposed respectively in substantially the same



planes as the hammers that are allocated to corresponding orders, the combination of a replaceable zero suppressing means comprising a mounting shaft, a plurality of L-shaped zero suppressing pawls mounted on said shaft and allocated to the respective orders, ears formed on said pawls to transfer movement from any of said pawls to the pawls of the next lower order, comb plate means secured on said shaft and engaging the pawls to space and guide the same, and a mounting member carried on said shaft and engaging said comb means to maintain said comb means in predetermined rotative relationship with respect to said mounting means, one of said side frames having a relatively large clearance opening therein and said unit being insertable through said opening into position between said type carriers, said spring means and said hammers to operatively relate said spring means to said pawls and said pawls to said type carriers and said hammers, and means on said mounting means for securing said unit to said one side frame and in such cooperating position.

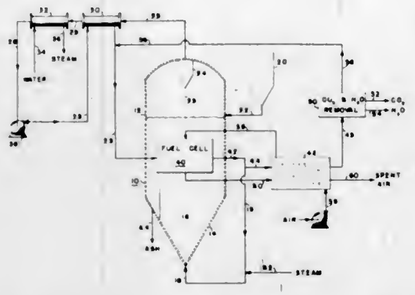
2,581,650
METHOD OF CONVERTING CARBON TO ELECTRICAL ENERGY
Everett Gorin, Pittsburgh, Pa., assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 31, 1951, Serial No. 244,565
5 Claims. (Cl. 136—84)

1. The method of converting carbon to electrical energy which comprises reacting steam and an oxdizing gas with carbon in a gasification zone under conditions conducive to the formation of a gaseous product containing CO and H_2, passing said gaseous product and an oxidizing gas separately into an electrochemical reaction zone wherein said gaseous product is oxidized and its heat of combustion is con-



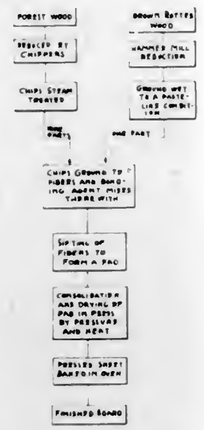
verted in part to electrical energy, maintaining the temperature of said electrochemical zone above 900° F. by means of the heat of combustion developed therein, passing steam in direct heat exchange relation with said electrochemical zone, thereafter conducting said steam to said gasification zone, and recovering the electrical energy produced.

2,581,651
INTEGRATED GASIFICATION ELECTRO-CHEMICAL SYSTEM
Everett Gorin, Pittsburgh, Pa., assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 31, 1951, Serial No. 244,566
8 Claims. (Cl. 136—84)



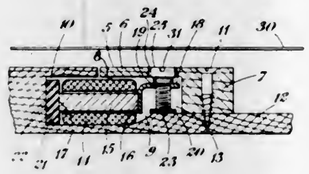
1. In a system comprising at least one carbon gasification zone and at least one oxidation-reduction electrochemical zone, the method which comprises reacting steam and carbon dioxide with carbon in each gasification zone under conditions conducive to the formation of a gaseous product containing carbon monoxide and hydrogen, passing said gaseous product and an oxidizing gas separately into an electrochemical zone wherein carbon monoxide and hydrogen are oxidized to carbon dioxide and steam respectively and wherein a part of their heat of combustion is evolved in the form of electrical energy, conducting steam and carbon dioxide produced in each electrochemical zone to a carbon gasification zone, maintaining the temperature of each electrochemical zone above that of the carbon gasification zone to which gaseous products from the electrochemical zone are conducted, and recovering the electrical energy produced.

2,581,652
METHOD OF MANUFACTURING SHEET WOOD
Worth C. Goss, Seattle, Wash., assignor to United States Sheetwood Company, Seattle, Wash., a corporation of Delaware
Application January 19, 1948, Serial No. 3,060
11 Claims. (Cl. 18—47.5)



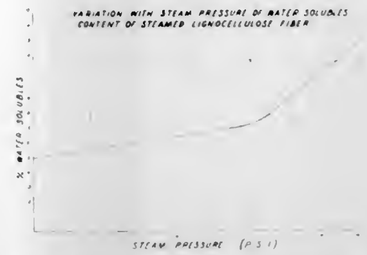
1. A method for the production of sheet lumber comprising producing a semi-colloidal bonding agent by the wet grinding of wood that has decayed to a condition of brown rot, passing wood chips and said bonding agent simultaneously through a wood fiberizing machine to reduce the chips to fibers and to cause the individual fibers to be coated with the bonding agent, laying down the fibers to form a loosely matted pad, then compressing the pad and causing setting of the bonding agent and fibers between the platens of a steam vented press at a temperature of between 250° F. and 550° F. and retaining the pressure until the board has become dry.

2,581,653
ELECTRICAL PICKUP FOR STRING INSTRUMENTS
Emile Grimshaw, London, England
Application October 29, 1948, Serial No. 57,266
In Great Britain November 10, 1947
7 Claims. (Cl. 84—1.16)



1. A stringed musical instrument of the kind having a body part and a neck in combination with an electric pick-up comprising a recess in the end of the neck adjacent to the body, a coil accommodated in the recess, a magnet surrounded by the coil, a soft-iron yoke for the magnet, threaded apertures in said yoke, a soft-iron stud screwed into each aperture, one end of each stud being situated adjacent a wire of the instrument.

2,581,654
DRY PROCESS FOR MAKING COMPOSITE CONSOLIDATED PRODUCTS WITH CONTROLLED PRESTEAMING OF THE RAW MATERIALS
Earl G. Hallonquist, Tacoma, Wash., assignor to Plywood Research Foundation, Tacoma, Wash., a nonprofit corporation
Application November 21, 1949, Serial No. 128,664
3 Claims. (Cl. 18—475)



1. The process for the production of consolidated lignocellulose products which comprises directly exposing raw lignocellulose to steam at pressures of from about atmospheric to about 75 p. s. i. and from about ten to about thirty minutes thus only to soften the fibers and render the lignocellulose more susceptible to defibering while maintaining at a minimum the formation of water soluble products from the lignocellulose, reducing the steamed lignocellulose to the form of small pieces, dry forming the resulting pieces into a mat, and consolidating the mat by the application of consolidating temperatures and pressures.

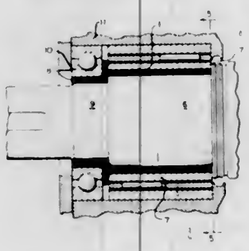
2,581,655
SPARK PLUG CONNECTION AND SEAL
Kermit A. Harden, Fairview, Ill.
Application November 26, 1949, Serial No. 129,621
2 Claims. (Cl. 173—269)



1. In a moisture-proof seal for the junction of a cable with the upper terminal of an electrical device, an insulator of cylindrical shape having a cylindrical upper portion of reduced diameter, said upper portion having a beaded portion on its upper surface, a conductor having an upper terminal extending through said insulator, an enlarged cylindrical member integral with the lower end of said cable, a resilient substantially bell-shaped socket totally embedded in the enlarged portion of said cable, a dome-shaped cap means having a central aperture through which said cable extends for pressing the enlarged portion of said cable against the beaded surface of the reduced cylindrical portion of said cylindrical in-

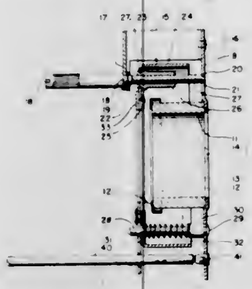
sulator whereby a moisture-proof junction is effected, said means also operating to effect a positive engagement of the embedded resilient socket member with the upper terminal of said electrical device, and means whereby the operation of said first-named means causes said cable to expand against the walls of the aperture in said dome-shaped cap.

2,581,656
BEARING SUPPORT FOR PRINTING PRESSES
Charles A. Harless, Riverside, Conn., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application April 25, 1947, Serial No. 743,743
2 Claims. (Cl. 308—184)



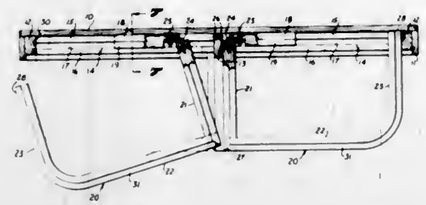
1. In a printing press, the combination with a cylinder journal and its bearing of a vibration absorbing bushing interposed between the journal and bearing and rotating with the journal, the said bushing comprising inner and outer tubular shells, a spirally wound strip of thin sheet metal having its successive layers separated by, and only by, viscous films and being compressed between said shells.

2,581,657
FOCUSING AND CENTERING DEVICE FOR CATHODE-RAY TUBES
Myron R. Heppner, Round Lake, Ill.
Application July 26, 1950, Serial No. 176,033
9 Claims. (Cl. 313—84)



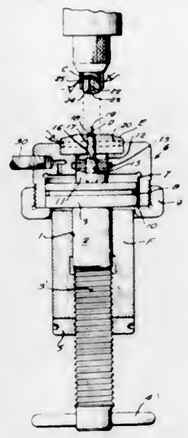
1. In a focusing and centering device for an electron beam in a cathode ray tube which comprises, a frame, a permanent magnet carried by said frame for embracing a portion of the neck of a cathode ray tube and establishing a main magnetic field, a magnetic short-circuiting device carried by said frame in circumscribing relationship with respect to and spaced from a portion of said magnet, means for changing the position of said short-circuiting device with respect to said magnet along the length of the tube neck to change the main magnetic field in the tube to focus the electron beam, and means magnetically contacting said short-circuiting device for laterally changing the short-circuited flux path relative to the axis of the neck of the tube to center the electron beam passing through said neck upon the screen of the tube.

2,581,658
VERTICALLY ADJUSTABLE TABLE
Russell Hicks, Los Angeles, Calif.
Application July 26, 1947, Serial No. 763,803
1 Claim. (Cl. 311—39)



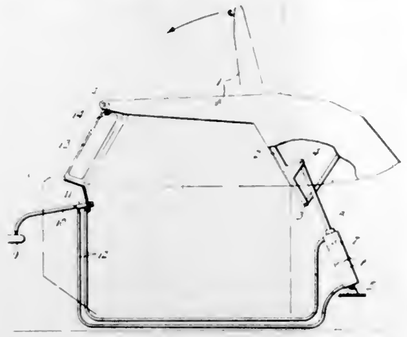
An adjustable table comprising in combination a top member, an abutment centrally disposed under said top member, a plurality of guide members secured underneath the said top plate and disposed at right angles to the geometric center, a plurality of radially disposed stops secured under said top member, a plurality of leg units each mounted between said abutment and one of said stops, said units each comprising a slidable block mounted in the guides and a U-shaped leg having one end pivotally secured by a hinge block, and movement resisting latches on said abutment and stops respectively engageable with a central and end portion of said legs.

2,581,659
HYDRAULIC DIMPLING UNIT
William J. Hoffman, Babylon, N. Y.
Application August 25, 1948, Serial No. 46,163
2 Claims. (Cl. 153—21)



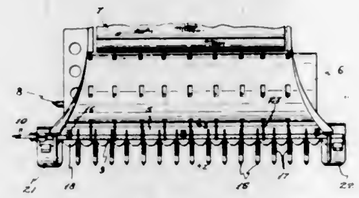
1. In a dimpling machine, the combination with a movable die and cooperating punch of a stationary piston carrying a projection having a socket for supporting the punch, a movable cylinder cooperating with the piston and projection, the cylinder having a socket for supporting a pad surrounding the punch, and means for maintaining hydraulic pressure within the cylinder.

2,581,660
ACTUATOR FOR CONVERTIBLE VEHICLE TOPS
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application February 12, 1948, Serial No. 7,813
2 Claims. (Cl. 296—117)



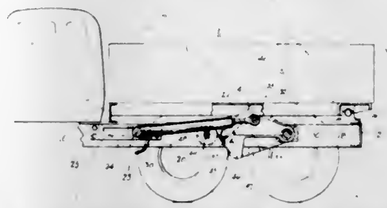
2. An operating mechanism for use with a collapsible, pivoted automobile top, which top is extensible from a folded position with an upward swinging motion through a top arc and downwardly therefrom to an operative position, in which position its forward end rests upon the vehicle windshield support structure, said mechanism including a fluid motor having a cylinder and a sliding piston which are relatively movable and one of which is connected to the body of the vehicle and the other to the movable top, a liquid retarder including cylinder and piston parts, said cylinder containing liquid to a pre-determined level and said piston being unretarded in its movement except through that portion of its stroke wherein said piston travels through said liquid, one of the parts being attached to and movable with the motor cylinder and the other part being supported by and movable with the motor piston, the effective operation of said retarder being defined by the liquid level to resist only that part of the motor operation synchronized with the downward movement of the top after the movement of the latter through its top arc.

2,581,661
METHOD OF CUTTING AND HARVESTING VINE AND BUSH CROPS
Horace D. Hume, Mendota, Ill.
Application March 26, 1948, Serial No. 17,327
2 Claims. (Cl. 55—64)



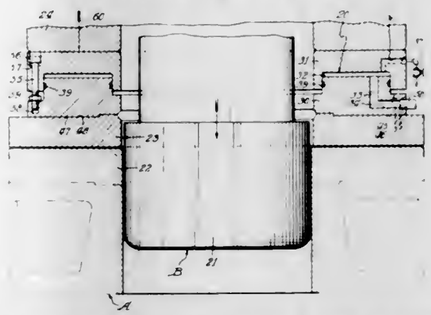
1. A method of harvesting which comprises, pushing spaced apart guides through the soil just below the surface thereof, on opposite sides of the plants to be harvested, cutting the stalks of the plants at the level of the guides while the stalks and roots are held in the soil between the guides, and lifting and carrying away the tops of the plants as they are cut.

2,581,662
DUMP TRUCK
Archibald D. L. Hutchinson, Seattle, Wash.
Application March 7, 1947, Serial No 733,079
8 Claims. (Cl. 298—19)



4. In a dump truck having a body supporting frame and a dump body hinged thereto; a body dumping mechanism comprising a lever arm pivotally fixed at one end to the frame and having a lifting connection at its other end with the body, a jack cylinder containing a piston, a rod extended from the piston and operatively connected with said lever arm for its functional actuation, a mounting for said jack cylinder adapted to be moved in said frame toward and from the pivot point of the arm; said arm and cylinder being adapted to swing toward each other and substantially into alignment when the body moves to its lowered position, and a cable connecting the said cylinder mounting and said arm, and adapted to be contacted by the arm in the final lowering movement of the body to shorten the distance between its points of connection with the cylinder mounting and arm, thus to shift the jack mounting toward the arm, and whereby upward swing of the arm allows the jack mounting to move in the opposite direction and through which cable the latter movement of the jack mounting will transmit a direct upward lifting force to the said lever arm.

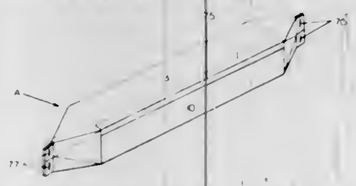
2,581,663
BLANK HOLDER CUSHION
Roy C. Ingersoll, Winnetka, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 2, 1948, Serial No. 157
2 Claims. (Cl. 113—46)



1. A blank drawing press comprising a drawing punch, a drawing die arranged to receive said punch, a hold-down member associated with said die for holding a blank in position, pressure means for urging said hold-down member toward said die, pressure distributing means interposed between said hold-down member and said pressure means comprising a first block disposed about said punch and having a channel

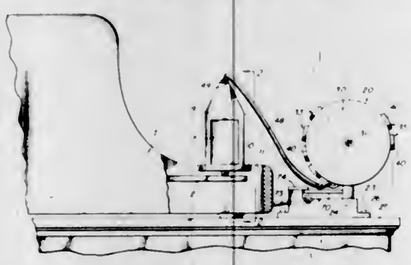
formed therein surrounding said punch, a second block disposed about said punch and associated with said first block, a complementary protruding portion of said second block extending into said channel to define therewith an enclosed pressure chamber, a surface of said second block bearing against an opposed surface of said hold-down member, said opposed bearing surfaces having complementary recessed and shouldered portions for the purpose of aligning said hold-down member and said pressure distributing means, means carried by one of said blocks and connected to the other of said blocks for limiting the movement of said blocks in opposite directions, sealing means interposed between said protruding portion and the walls of said channel to prevent leakage from said chamber, a hydraulic fluid in said chamber, and accumulator means connected to said chamber for supplying and maintaining a predetermined hydraulic pressure in said chamber.

2,581,664
CONTAINER
Morton B. Jameson, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application June 7, 1946, Serial No. 675,215
4 Claims. (Cl. 206—52)



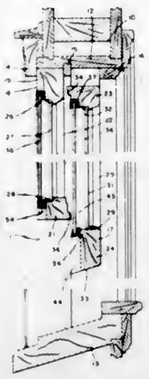
2. In combination with a tubular roll of flexible material, an elongated container enclosing said roll, and wedge shaped ends on said container for compressing the ends of the roll into generally rectangular form.

2,581,665
ELECTROMAGNETIC OPERATING MECHANISM FOR TYPEWRITERS
Herman Jarmann, Schodack Landing, N. Y.
Application July 30, 1948, Serial No. 41,598
14 Claims. (Cl. 197—19)



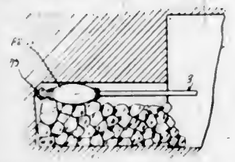
1. Operating mechanism for a typewriter comprising a series of levers adapted for operation to effect typing in said typewriter and other operations therein, solenoids for operating said levers less in number than said levers and movable relative to said series of levers in unison for selective operation to operate selected levers, means for moving said solenoids, means for operating said solenoids selectively, and a member for grasping by both hands and embodying manipulative controls for both said means.

2,581,666
PARALLEL PANES
Curtis W. Johnson, Minneapolis, Minn.
Application August 8, 1946, Serial No. 689,305
4 Claims. (Cl. 20—56.5)



1. In combination, a sash mounted for movement in a window frame and including stiles and rails, a fixed pane of glass mounted therein upon the interior side of the sash, a movable pane of glass overlying said fixed pane and spaced therefrom said movable pane being disposed upon the exterior side of the sash, means forming grooves in said stiles and in the upper rail for receiving said movable pane and supporting the same for slidable movement, the grooves in said stiles being open at their lower end to accommodate removal of the movable pane from below the sash and in a direction parallel to the plane of said fixed pane and locking means for holding the movable pane in position within said grooves.

2,581,667
MINING APPARATUS
Joseph F. Joy, Pittsburgh, Pa., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 4, 1946, Serial No. 694,779
13 Claims. (Cl. 255—51)



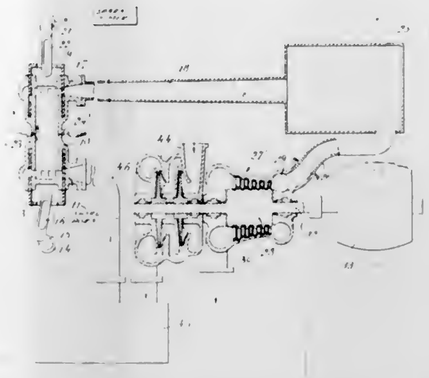
1. In a mining apparatus, an adjustable supporting structure for a mining instrument comprising, in combination, a mobile base having pairs of front and rear wheels and a frame carried by said wheels, a horizontal turntable mounted on said base frame rearwardly of said front wheels and located nearer to the front end of said base than to the rear end thereof, a parallel motion arm structure carried by said turntable and extending rearwardly above said base frame, a horizontal turntable carried by said arm structure and disposed nearer to the rear end of the base than to the front end thereof, an elongated guide frame for guiding the mining instrument toward and from the work and pivotally mounted on said second mentioned turntable to tilt in vertical planes with respect thereto, said guide frame extending longitudinally above said base frame and tiltable on its pivotal mounting relative to said second mentioned turntable into a position wherein its forward portion is located intermediate said front wheels, and a motor driven mining instrument mounted on said guide frame and movable longitudinally back and forth therealong.

2,581,668
TURBO-SUPERCHARGED INTERNAL-COMBUSTION ENGINE HAVING IMPLOSIVE INLET AND EXPLOSIVE EXHAUST
Michel Kadenacy, Summit, N. J.; Nina K. Guercken executrix of said Michel Kadenacy, deceased
Application April 13, 1945, Serial No. 588,188
2 Claims. (Cl. 60—13)



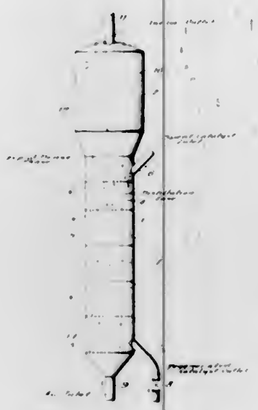
1. In a power plant comprising a two cycle internal combustion engine having a cylinder, in which charges of combustible mixture are successively burned and which is provided with inlet and exhaust orifices, the exhaust orifice being of such size in relation to the cross-section of the cylinder as to make possible explosive exhaust, the combination of means, including a reciprocating piston within the cylinder, for controlling the orifices and acting successively in the following order, (1) to open the exhaust orifice, when the piston has reached approximately the end of its downward stroke, in such manner as to produce explosive exhaust of the burned gases as a mass from the cylinder, (2) to open the inlet orifice, after explosive exhaust has started, to admit a fresh charge into the cylinder, and (3) to close the orifices to prevent the re-entry into the cylinder of burned gases, which have left the cylinder, and to confine the fresh charge within the cylinder, means for holding under pressure the gases discharged from the cylinder, said means including a conduit having one end leading from the exhaust orifice and a receiver connected directly to the other end of the conduit and of greater volume and cross-sectional area than the conduit, the conduit having a cross-sectional area at its connection to the exhaust orifice substantially the same as the critical area of the exhaust orifice for explosive exhaust and the conduit affording a free passage for said burned gases explosively exhausted as a mass, the conduit having such a length that it contains approximately the maximum volume of inert gases displaceable by such an exhaust gas mass of maximum energy, whereby each of said exhaust gas masses traveling through the conduit causes a static pressure front to develop in the holding means at such a distance from the exhaust orifice as to permit the orifice control means to close the exhaust orifice before gases returning from the pressure front through the conduit can enter the cylinder through the orifice, an outlet from the receiver lying farther from the exhaust orifice than the place where said pressure front develops, and a turbine having its inlet connected to the receiver outlet and driven by gases from the receiver.

2,581,669
GAS TURBINE POWER PLANT WITH TANK SUPPLIED BY LONG CONDUIT HAVING VOLUME OVER SIX TIMES THAT OF THE INTERMITTENT COMBUSTION GAS GENERATOR
Michel Kadenacy, Summit, N. J.; Nina K. Guercken executrix of said Michel Kadenacy, deceased
Application April 13, 1945, Serial No. 588,189
8 Claims. (Cl. 60—13)



3. In a power plant comprising a combustion chamber, in which charges of combustible mixture are successively burned, the chamber having inlet and exhaust orifices, the exhaust orifice being of sufficient size to permit explosive exhaust, valves for controlling the orifices, the combination of means for operating the valves in the following order, (1) to close the chamber during ignition of each charge, (2) to open the exhaust orifice, after burning of the charge commences, in such manner as to produce explosive exhaust of the gases as a mass from the chamber, (3) to open the inlet orifice for admission of fresh air into the chamber, a portion of the air passing through the exhaust orifice, and (4) to close the orifices to exclude the exhaust gases that have left the chamber and said portion of the air and to confine the charge of fresh air within the chamber, means for introducing fuel into the chamber to produce a combustible charge with air therein, means for igniting the charge, means for holding under pressure gases discharged from the chamber, said means including an elongated conduit leading from the exhaust orifice and receiving each exhaust gas mass and each of said portions of the air and a receiver connected to the conduit and having an outlet remote from its connection to the conduit, the conduit having a cross-sectional area adjacent the exhaust orifice substantially equal to the area of the exhaust orifice open at the moment that the burned gases cease reacting against the walls of the chamber and start to move out of and away from the chamber as a mass, the conduit providing a free passage for exhaust gas masses and having a length such that its volume ranges from at least six times that of the combustion chamber to approximately the maximum volume of inert gases displaceable by such an exhaust gas mass, whereby each exhaust gas mass entering, the conduit displaces the gases therein and a static rebounding pressure front develops in the holding means at a distance from the exhaust orifice, and an expansion turbine connected to the receiver outlet.

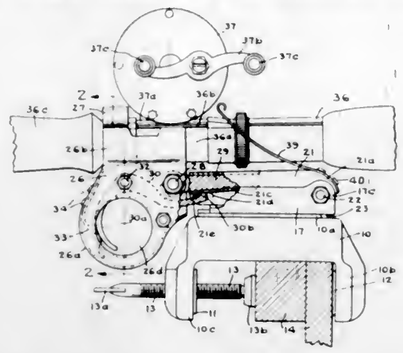
2,581,670
REGENERATION OF FLUIDIZED CATALYST
Louis S. Kassel, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 19, 1947, Serial No. 762,121
6 Claims. (Cl. 252—417)



1. In the regeneration of finely divided catalyst particles which have been contaminated with a carbonaceous deposit, the improved method of regeneration which comprises charging contaminated catalyst to a regenerating zone and maintaining fluidized beds of said catalyst in a series of connecting and superimposed contacting zones, passing a regenerating gas stream to the lowermost of said zones, transferring catalyst in a fluidized condition successively upwardly through each of said contacting zones in a manner precluding any downward movement of catalyst particles from one contacting zone to another and at a relatively high rate such as to maintain a substantially uniform temperature throughout the regenerating zone, accumulating catalyst particles in an upper zone of said series and recycling them in a relatively compact descending column to the lowermost zone in a confined path extending through the intermediate zones of said series to maintain a continuous cyclic flow of the catalyst upwardly through said series of contact zones, withdrawing regenerated catalyst particles substantially free of said carbonaceous deposit from said regenerating zone, and discharging resulting flue gases from the upper portion thereof.

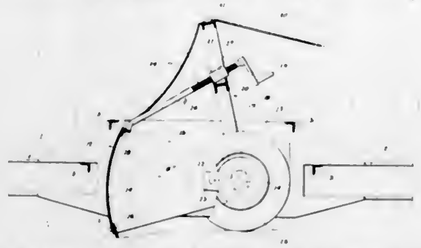
2,581,671
ROD HOLDER
Lincoln F. Katter, Minneapolis, Minn.
Application November 15, 1945, Serial No. 628,766
13 Claims. (Cl. 248—42)

1. A holding device for a fishing rod having in combination, a member having means thereon for attachment to a boat and having an attaching means thereon, a second member constructed and arranged to receive and hold a fishing rod and having an attaching means thereon cooperating with said attaching means to detachably connect said members, means adapted to be actuated by the hand of the operator while simultaneously grasping said rod for disconnecting said members, said attaching means comprising a recess in said first mentioned member, said second member having a portion receivable in said recess, and a latch for retaining said portion in said recess, said last mentioned means



including a trigger for moving and releasing said latch.

2,581,672
LAND LEVELER
Simeon Keim, Galt, Calif., assignor to Preco Incorporated, Los Angeles, Calif., a corporation of California
Application May 17, 1948, Serial No. 27,410
5 Claims. (Cl. 37—150)



3. A finish leveler comprising an elongated main frame adapted to be connected to a tractor in draft relation, a transverse, upstanding mounting frame disposed in the main frame intermediate its ends and in longitudinally swingable relation, transversely spaced ground wheels on the lower part of the mounting frame, a transverse scraper to the rear of the wheels, side wings projecting forward from opposite ends of the scraper, transverse pivots between the side wings and mounting frame, a longitudinal adjustable member connected between the mounting frame above said pivots and the upper part of the scraper, and other transverse pivots, to the rear of said first named pivots, connecting the side wings intermediate their ends to the main frame; there being normally slack cables leading from the upper part of the mounting frame downwardly and rearwardly to the scraper and downwardly and forwardly to the main frame, respectively, and power means to pull on the cable leading to the main frame.

2,581,673
CONTINUOUS METHOD OF MAKING BUTT WELD TUBING
Frank J. Kennedy, Dormont, Pa., assignor to National Electric Products Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 27, 1948, Serial No. 67,526
19 Claims. (Cl. 113—112)

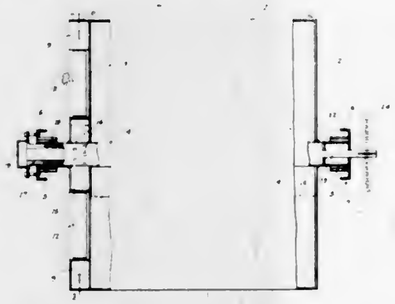
1. The method of making butt weld tubing from continuously moving flat, rimmed-steel

skelp slit from skelp of greater width, which method comprises convexly rounding the edges of the slit skelp by edge rolling to spread the rim metal from the top and bottom faces of the skelp around the corners toward the mid-region of the edge faces of the skelp, and then cold reducing the flat skelp to uniform width and simultaneously therewith flattening the convexly rounded edges and producing a flow of the rim steel into the corners of the skelp by edge rolling the skelp in planes substantially at right angles to the faces of said skelp, bending the skelp at a cold-working temperature to a tubular blank having an open seam cleft, heating the edges of



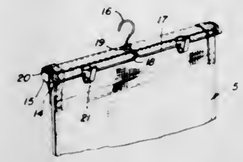
the seam cleft to a temperature in excess of about 1,200° F. with flames having a temperature of the order of about 3,000° F., and simultaneously therewith heating the portion of the tube blank opposite the seam cleft to a lower temperature that leaves the metal in said portion at a temperature not in excess of about 800° F. and therefore with resilience for effecting control of the seam cleft width as the tube blank travels through successive roll passes, subsequently heating the edges of the seam cleft to a welding temperature as the tube blank passes through said roll passes, and bringing the edges together while at welding temperature.

2,581,674
LIQUID DISPENSING ROLLER
Earle M. King, Salinas, Calif., assignor to Gabilan Iron and Machine Co., Salinas, Calif., a corporation of California
Application February 8, 1947, Serial No. 727,429
10 Claims. (Cl. 222—167)



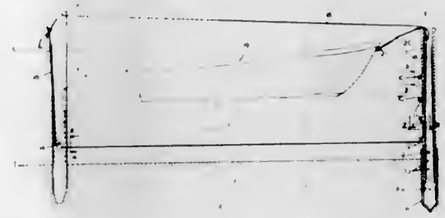
1. A liquid dispensing roller structure for an implement which includes a frame, comprising a hollow roller adapted to receive a quantity of liquid therein, means adapted to mount the roller in supporting relation to the frame, a conduit having a fitting mounted in connection with the roller centrally at one end thereof, and means arranged with the roller operative upon rotation thereof to elevate liquid from within the roller below the roller axis and deliver said liquid into the fitting; said means including a plurality of circumferentially extending and spaced chambers formed on said end of the roller adjacent the periphery of the roller, said chambers being in communication at their leading ends with the interior of the roller, conduits connected with said chambers adjacent their trailing ends and extending toward the axis of the roller, and a reservoir formed centrally on the roller at said end and to which reservoir the last named conduits connect, the fitting being in communication with such reservoir.

2,581,675
GARMENT CHECKING BAG
Henry R. Lefebvre, Sunland, Calif.
Application August 23, 1948, Serial No. 45,602
1 Claim. (Cl. 223—85)



In a garment bag structure, the combination of a horizontal hanger bar, a hook-shaped suspension member projecting upwardly from an intermediate portion of said bar, a bag attached to and depending from the bar, a horizontal rod parallel to and spaced to one side from said bar, an eye provided intermediate the ends of said rod and threaded over said suspension member whereby to support said rod intermediate the ends thereof, and angulated end portions provided on said rod and secured to the ends of said bar.

2,581,676
BOAT MOORING APPARATUS
William T. Loaney, Minneapolis, Minn.
Application August 11, 1948, Serial No. 43,726
3 Claims. (Cl. 114—230)

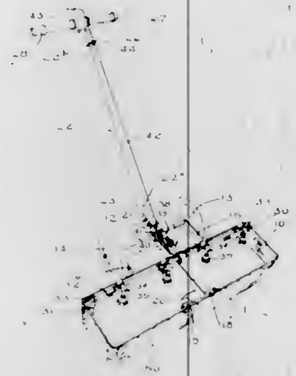


1. A boat mooring device comprising a hollow upstanding post adapted to be anchored substantially rigidly with the upper extremity thereof disposed a substantial distance above the water surface, an annular fair-leader fixed around the upper extremity of said hollow member, said member having a cutout side portion adapted to be disposed below the water surface when said post is in anchored position, and flexible line-guiding means mounted at said cutout portion, a flexible line trained over said fair-leader and extending downwardly within said hollow member to pass around said submerged guiding means and outwardly to form a lower run of said line submerged below the water surface and an upper run disposed in spaced relation above the water surface when said post is in anchored position, and means for attaching one end of a boat to the upper run of said line, said attachment means being adapted to be drawn downwardly into said hollow member to permit the boat attached thereto to swing freely about said member.

2,581,677
PHOSPHATE DETERGENT COMPOSITION IN HOMOGENEOUS LIQUID FORM
Samuel Machlis, New Rochelle, N. Y., and Edwin B. Michaels, Stamford, Conn., assignors to The Stamford Chemical Company, Stamford, Conn., a partnership
No Drawing. Application November 18, 1948, Serial No. 60,837
2 Claims. (Cl. 252—137)

1. A composition in the form of a homogeneous liquid having detergent properties and consisting essentially of an aqueous medium containing an alkali metal phosphate in an amount from about 13 to about 26%, a sulfonated higher fatty acid amide in an amount from about 5 to about 10%, an alkyl aryl sulfonate having the general formula R—R^1—SO_3M in which R represents an alkyl group containing from 12–15 carbon atoms, R^1 represents an aromatic residue of the group consisting of a benzene, naphthalene and anthracene residue and M represents a metal of the group consisting of sodium and potassium in an amount from about 2 to about 4%, a sulfated higher aliphatic monohydric alcohol in an amount from about 2 to about 4% and an alkali metal aryl sulfonate in an amount from about 4.5 to about 10%, said composition retaining its homogeneity upon standing.

2,581,678
WHEELED SPRAYING DEVICE
Ralph D. Malin and Allen C. Stockdale, Lansing, Mich., assignors to Food Machinery and Chemical Corporation, a corporation of Delaware
Application April 26, 1947, Serial No. 744,226
2 Claims. (Cl. 299—47)
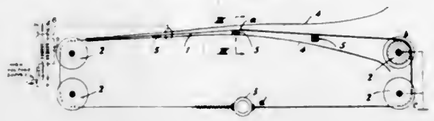


1. A vehicular device for applying potent liquid herbicide to lawn grasses comprising a wheeled supporting frame having a horizontal aperture therein, a plurality of laterally aligned spray nozzles mounted to discharge a substantially uniform spray curtain downwardly through said aperture, a spray-tight enclosure mounted with its marginal edge removably supported on said frame to surround and overlie said horizontal aperture and the spray nozzles discharging therethrough, and a flexible spray-tight curtain secured to said frame to depend marginally from said enclosure to lawn level, whereby spray particles are prevented from escaping and are concentrated on the lawn area beneath said enclosure.

2,581,679
DEVICE FOR THE RELIEF OF BLOAT IN CATTLE
Manuel A. Marshall, Escalon, Calif.
Application June 19, 1950, Serial No. 168,943
3 Claims. (Cl. 128—14)



1. A device, for the relief of bloat in cattle, comprising a bit unit, including upstanding side shanks having eyes on their upper ends for engagement with a retention cord, bits projecting laterally inwardly from the shanks intermediate the ends thereof, inturned feet on the shanks; and an elongated tongue depressor rigid with and projecting rearwardly from the feet centrally of the bit unit.

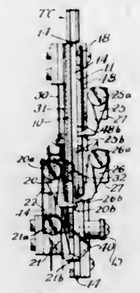
2,581,680
MOVABLE TAPE CONDENSER FOR ELECTRONIC GENERATORS
Maurice Martenot, Neuilly-sur-Seine, France
Application April 5, 1948, Serial No. 19,125
In France April 16, 1947
7 Claims. (Cl. 250—40)



1. In a hand actuated frequency variation device particularly adapted to electric musical instruments and having a movable tape which is of insulating material on a portion of its length and of a metal containing material on the other portion, said tape being associated with a stationary plate so as to form therewith a variable condenser, and hand actuated means provided on said tape for reciprocating the same, the improvement wherein said stationary plate comprises a plurality of elongated metallic elements consecutively arranged in the direction of their larger dimension and in a position substantially parallel to said tape, said elements being curved to provide a variable space between each of said elements and said tape, said elements being further positioned with respect to said tape so that the end of each element nearer to the tape is at a smaller distance from said tape than the adjacent end of the adjacent element.

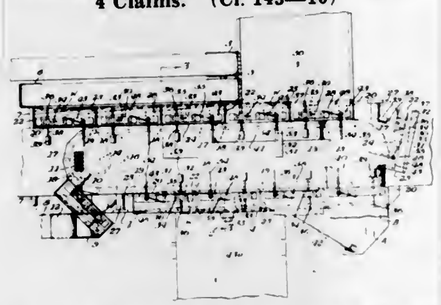
2,581,681
COIN CONTROL
Sam May, Chicago, Ill., assignor of one-half to Raymond T. Moloney, Chicago, Ill.
Application February 9, 1945, Serial No. 577,011
5 Claims. (Cl. 194—9)

1. A coin control device comprising a stationary and a reciprocable member defining a coin passage in which a coin moves in one of the directions of movement of the reciprocable member, a pair of dogs on the reciprocable member, a pair of dogs on the stationary member, said dogs yieldingly urged in a direction to project into said passage and the dogs of each pair being relatively spaced apart in the direction of movement of a coin therein for purposes of locking movement of a coin oppositely to said direction under predetermined condition but yieldable to permit movement of a coin in the said direction of movement, means yieldingly urging the reciprocable member into a normal position, means engageable with at least one dog on the reciprocable member, when the latter is in normal position, for effecting withdrawal of said dog to permit movement of a coin into a first position



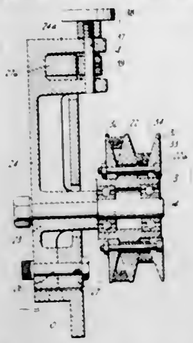
determined by one of the dogs on the stationary member, at least one of said dogs on the reciprocable member effecting movement of a coin at said first position into a second position by movement of the reciprocable member a determined amount from normal position, control switch means at said first and second positions actuated by coins thereat, at least one of said dogs on the reciprocable member acting to remove a coin from said second position responsive to movement of the reciprocable member from normal position.

2,581,682
WEDGE SAWING MACHINE
Elmer L. McCormick, Dunns Station, Pa.
Application July 7, 1949, Serial No. 103,331
4 Claims. (Cl. 143—10)



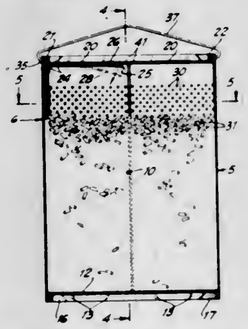
1. In a machine for sawing blocks, the combination of an endless chain mounted for traveling in a horizontal plane along a front and back flight, a series of work holding carriages having bottom, back and end walls and pivotally attached to said chain to move therewith, track guide means along the front flight of said chain to engage and steady the carriages as they travel therealong, an upwardly and outwardly open workpiece seat formed by the bottom, end and back walls on each carriage, dog means mounted on each carriage above its seat and biased to retain workpieces on said seats, a saw mounted adjacent said front flight to cut the workpieces as they pass on said carriages, and cam means adjacent the traveling chain along the back flight to retract said dog means and release the cut workpiece.

2,581,683
VARIABLE-SPEED DRIVE
James McEwan, San Jose, Calif.
Application December 9, 1949, Serial No. 131,950
3 Claims. (Cl. 74—230.17)



2. A variable drive unit comprising respective driving and driven elements and a variable drive structure connected therebetween, a frame member for said drive unit, a support bracket attached to said frame and having an arcuate flange at one end thereof, a control lever pivotally mounted on said bracket about an axis concentric with said flange, and having a forked end embracing said flange and projecting beyond the flange, a latch pawl pivoted in the projecting portions of said forked end, a series of latching stations on said flange for engagement by said pawl, and a support shaft for said variable drive structure carried by said control lever.

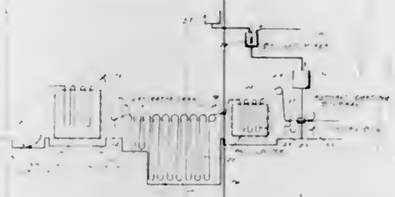
2,581,684
DESICCATOR
Herbert W. McKenzie, Temple City, Calif., assignor to Western Sales Agency Corporation, Arcadia, Calif., a corporation of California
Application June 9, 1947, Serial No. 753,533
1 Claim. (Cl. 299—24)



In a desiccator, a vertically elongated container including a pair of complementary wall body forming sections, each of said sections having an inturned flange at each side edge, the flanges of the respective sections being united in abutting relation to form joints extending the full height of the wall body, said wall body having a multiplicity of apertures therethrough intermediate the top and bottom ends, a wall member fixed horizontally in the top and bot-

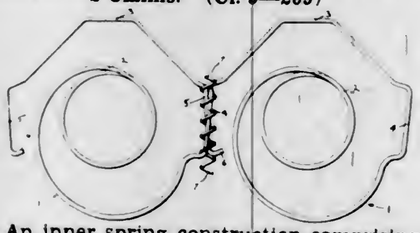
tom respectively of said wall body, each of said wall members having vertical flanges on its longitudinal sides secured to the body, the top wall member being provided with a filling opening, and a cover member resiliently biased to cover said filling opening.

2,581,685
IMPREGNATION OF ABSORBENT MATERIAL
Wallace A. McMillan, Glenham, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 16, 1948, Serial No. 33,310
9 Claims. (Cl. 117—92)



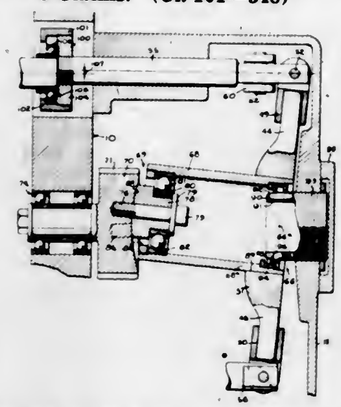
1. In the manufacture of asphalt roofing, the method which comprises continuously passing a sheet of felt through a saturating bath of molten normally solid asphalt having an ASTM penetration at 77° F. of about 20–125 maintained at a temperature of 250–450° F. and containing about 0.1–10 parts per million by volume of a liquid dihydrocarbon silicone polymer having anti-foam properties in organic liquids and which is effective to substantially inhibit foaming of said molten asphalt bath, said bath being maintained of sufficient depth and elevated temperature to effectively eliminate moisture from the felt sheet and thoroughly impregnate the same with asphalt, withdrawing the traveling felt sheet from the bath while retaining a substantial surface film of molten asphalt on both sides thereof providing a glossy wet sheet which is then cooled to permit the surface film to rapidly dry in to provide a saturated felt sheet with a minimum of 85% voids filled with asphalt, and then applying a surface coating to the sheet of a mix prepared by adding finely divided solid inorganic filler to previously mixed molten normally solid asphalt and about 0.1–10 parts per million by volume based on the asphalt of a liquid dihydrocarbon silicone polymer having anti-foam properties in organic liquids and which is sufficient to inhibit entrainment of vapor bubbles in the coating.

2,581,686
SPRING CONSTRUCTION
Edward L. McRoskey, San Francisco, Calif.
Application April 22, 1946, Serial No. 663,840
2 Claims. (Cl. 5—269)



2. An inner spring construction comprising: a plurality of rows of coil springs in which one of the corresponding ends of said springs has a terminal coil, a pair of opposed, substantially straight lapping sections formed in said terminal coil of each of said springs with the said sections in each terminal coil being in generally intertwining relationship with one of the sections in the spring adjacent thereto in each row, the intertwined sections being in substantial engagement from end to end thereof whereby pivotal relative movement between said intertwined sections will be substantially restricted to movement about their respective longitudinal axes, and whereby the adjacent pairs of terminal coils in said row will be held together against movement outwardly away from each other, helical springs extending transversely of said rows closely surrounding each intertwined pair of sections for holding them in said engagement with each other from end to end thereof and for holding them against relative longitudinal movement, each pair of intertwined sections being positioned and formed relative to each other so that each makes less than a full 360 degree turn about the other.

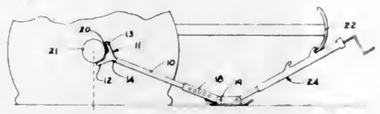
2,581,687
INK ROLLER VIBRATOR
Henry L. McWhorter, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application October 16, 1947, Serial No. 780,284
9 Claims. (Cl. 101—348)



1. In an ink roller vibrator for a printing press having reciprocably mounted ink rollers, the combination comprising a spider having arms thereon adapted to reciprocatingly engage said ink rollers, a universal mounting for said spider to enable it to wobble freely in any direction about a central axis which is parallel to the axes of said ink rollers, an axial projection on said spider and rigidly joined thereto at the generally central portion thereof, and means including a rotative driving member having an eccentrically mounted post in engagement with the end of said extension, said rotative member being substantially in alinement with the axis of said universal coupling for bodily rotation of the end of said projection about said central axis for imparting a rotary wobbling motion to said spider.

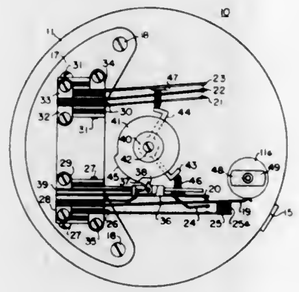
2,581,688
VEHICLE LIFTING STRUT
Hubert E. Miller, Wichita, Kans., assignor to Robert M. Carey and Loftin W. Schmucker, Wichita, Kans.
Application August 19, 1949, Serial No. 111,307
6 Claims. (Cl. 254—133)

1. An improved weight lifting and supporting strut for lifting the axle of a vehicle comprising: an elongated rigid member having a rigid forked nest on one of its ends for receiving, holding, and supporting a vehicle axle, the two diverging arms of the nest lying in a plane common to the plane of the said rigid member, the adjacent inside surfaces of the two arms being adapted to serve as the axle nesting and supporting surfaces,



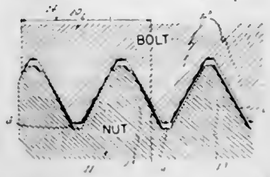
the inside or supporting surface of one arm including two offset surfaces, the surface nearer the outer end of the said one arm being offset outwardly to clear a brake fluid line or the like on an axle being lifted or supported, the outwardly offset surface of said one arm being adapted to carry axle weight only in case of accidental shifting of the axle in the nest.

2,581,689
PARTY LINE IDENTIFICATION DIAL
Len B. Mitchell, Wheaton, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 10, 1950, Serial No. 155,093
4 Claims. (Cl. 179—90)



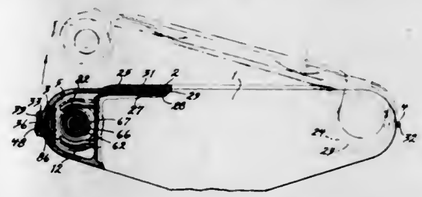
1. In a calling device, a dial having a normal position and being variably rotatable away therefrom to a plurality of other positions, an arbor operatively connected to said dial, means for returning said dial back to its normal position after it has been rotated, a first cam operated through a gear train from said arbor only during the return of said dial, the rotation of said first cam depending upon the extent of the rotation of said dial, a first impulse sender comprising two springs and having one spring engageable by said first cam, a second impulse sender comprising two springs, a link between said one spring of said first impulse sender and one of the springs of said second impulse sender causing said spring of said second impulse sender to directly follow the operation of said one spring engaged by said first cam, and a second cam operated by said arbor engageable with the other spring of said second impulse sender to advance said other spring into contact position, whereby said operating spring of the second impulse sender engages the advanced spring thereof to send a fixed number of impulses regardless of said other positions to which said dial has been operated.

2,581,690
LOCKING THREAD STRUCTURE
Walter Moehle and Walter Moehle, Jr., Morristown, N. J.
Application November 30, 1949, Serial No. 130,276
1 Claim. (Cl. 151—21)



A screw-threaded member having a locking thread section conforming to basic standard dimensions except that its load carrying and non-load carrying side faces are so constructed and arranged as to present resistance areas whose inclination with respect to each other is less than the standard angle of thread, the peripheral portion of said locking thread section being chamfered on both sides to provide a crest of standard width and shoulders spaced radially inward from said crest and projecting axially therefrom to an extent slightly in excess of the normal clearance allowance, said resistance areas being generated by straight lines intersecting the rotational axis and having an included angle such that said generatrix lines intersect the points of the respective shoulders and the meeting points of the sides of the thread root with the bottoms of the adjacent grooves between threads, whereby operative engagement of the locking thread section of said screw-threaded member with standard threads of a coacting screw-threaded member during relative threading rotation will cause locking action between both members through friction distributed over a large contact area and involving initial axial bending of the locking thread section followed by compression of the resistance areas of said locking thread section propagated radially inward from the shoulders and minimized by axial bending of the said standard threads to a degree within the elastic limit of the metallic thread mass, thereby avoiding metal flow.
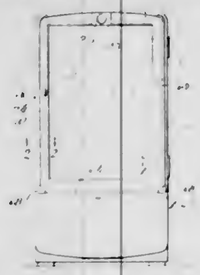
2,581,691
PHOTOGRAPHIC CAMERA
Lewis H. Moomaw, Great Neck, N. Y., and Hugo Bernzott, Niles, Ill., assignors to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application August 19, 1946, Serial No. 691,504
6 Claims. (Cl. 242—71)



1. In a photographic camera, the combination with a casing camprising two casing parts relatively movable to open and close said casing for the installation and removal of a film spool, of a film spool mounting arranged interiorly of said casing and carried by a first of said casing parts and adapted to releasably carry a film spool for rotation interiorly of said casing, film spool driving means comprising cooperating rotatable

clutch members arranged interiorly of said casing and respectively carried by said casing parts and one of said clutch members being mounted on the second of said casing parts for movement to engage and disengage the other of said clutch members, a manually releasable latch operative to latch said casing parts in closed relation and including a latch member mounted on said second casing part for movement into and out of latching position, and clutch control means operative between said movable clutch member and said latch member to engage and disengage said clutch members respectively with movement of said latch member into and out of latching position.

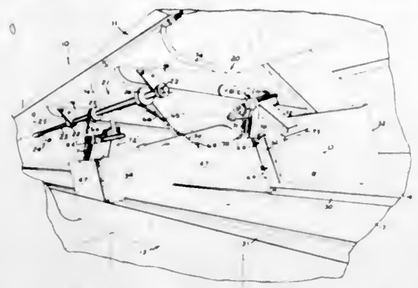
2,581,692
FASTENING DEVICE
Evans T. Morton and Chester L. Geever, Chicago, Ill., assignors to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application November 29, 1946, Serial No. 713,042
4 Claims. (Cl. 220—9)



1. Fastening means for securing a trim strip in place in a cabinet structure, said means comprising a stud part and a socket part, means for mounting the stud part on the trim strip, said socket part including a mounting member having a tubular body portion, the cabinet structure including a mounting block having an opening through which said tubular body portion extends with clearance for movement in all directions transversely of its axis, said body having end flanges embracing said mounting block to retain the socket part in place, one of said end flanges being in the form of an annular channel open toward the axis of its annular form, and said socket part including an annular member loosely engaged in said channel with clearance for movement in all directions transversely of its axis, and means carried by said annular member to engage and hold said stud.

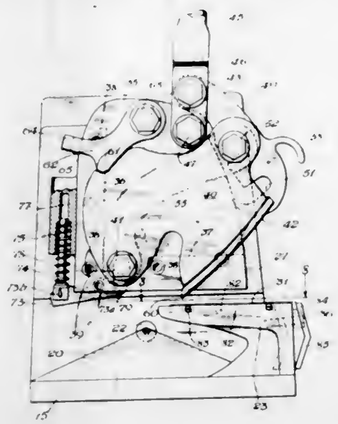
2,581,693
QUICK-CHANGE SIZER COUNTER SWITCH MOUNTING
Harold J. Mumma, Riverside, Calif., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware
Application September 24, 1949, Serial No. 117,658
7 Claims. (Cl. 235—98)

1. In a device for counting fruit of two kinds, the average diameter of one of which differs considerably from that of the other, the combination of: a guide wall which is shiftable to vary the width of the path along which said fruit may travel; a switch arm; means for mounting said arm to swing up and down with said arm extending downwardly into said path, whereby said arm is engaged and elevated by fruit passing thereunder to count said fruit; manually operable means for shifting said guide wall to increase the width of said path so as to accommodate said larger diameter fruit; and means movably supporting said switch arm mounting means in such manner that upon actuation of



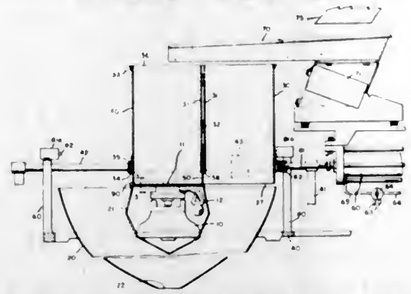
said wall shifting means, said switch arm mounting means is elevated to properly position said switch arm for engaging and counting said larger diameter fruit.

2,581,694
METAL PIERCING AND CUTTING SHEARS
Kurt W. Nebel, Chicago, Ill.
Application June 1, 1949, Serial No. 96,570
11 Claims. (Cl. 164—46)



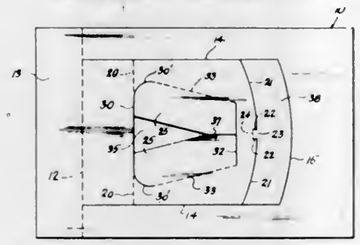
1. A metal cutting shear comprising a bed, a fixed blade carried by the same, a support above the bed, a cutter plate mounted pivotally alongside the support and designed to be swung toward and from said fixed blade, an upper blade carried by the cutter plate and disposed in angularly poised and spaced relation to said fixed blade when the cutter plate is at the origin of its movement, the starting end of the upper blade being pointed, and means effective on the operative swing of said cutter plate to impose a direct thrust on said starting end toward the work sheet with the effect of piercing the latter, said means being a detent pivoted from said support at a point above the cutter plate and adapted to seat at an angle in a ledge formed in the trailing edge of the cutter plate, the operative movement of the latter inducing the downward swing of said detent and automatic downward pressure thereof on the cutter plate, the continued swing of the cutter plate tripping the detent to a position releasing the cutter plate.

2,581,695
WEIGHING MACHINE
Gustav A. Olofsson and Loyde N. Chubb, Lansing, Mich., assignors to Olofsson Tool & Die Company, Lansing, Mich., a corporation of Michigan
Application August 11, 1947, Serial No. 767,944
17 Claims. (Cl. 249—23)



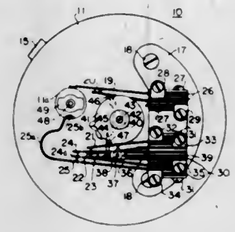
1. A machine for weighing and discharging batches of bulk material comprising a weighing platform, an open bottomed bucket, support means independent of said weighing platform for supporting said bucket with its lower edge spaced slightly above said platform for sliding movement between a weighing position directly over said platform and a discharge position at one side of said platform, feed means directly above said platform for discharging bulk material into said bucket and onto said platform when said bucket is in weighing position, power means for shifting said bucket between weighing and discharge positions, and control means responsive to a predetermined weight of bulk material on said platform to terminate operation of said feeding means and to cause said power means to shift said bucket from weighing position.

2,581,696
COMBINATION SHIRT BOARD AND COLLAR PROTECTOR
Joseph A. O'Reilly, Bellingham, Wash.
Application December 6, 1949, Serial No. 131,344
11 Claims. (Cl. 223—71)



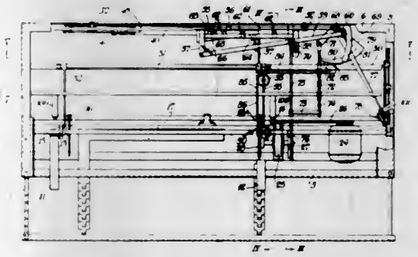
1. A shirt board of the character described comprising a flat, substantially rectangular blank of cardboard or the like, adapted for insertion within a folded shirt; said board being transversely scored across its outer end portion thus setting off a transverse flange forming portion, and there being a partially detached panel in the central body portion of the board, extending from said transverse line of scoring toward the inner end of the board; said panel being adapted, prior to the application of the board to a shirt, to be downwardly displaced from the body of the board, and then to be backwardly and upwardly hinged along said transverse line of scoring, thus to turn the said flange forming portion and the panel to upright positions; and said panel being transversely scored along a line that is slightly above the top edge of the upturned flange, along which line the upper end portion of the panel may then be downwardly hinged to protectively overlie the collar portion of the shirt to which the board may be applied.

2,581,697
PARTY LINE IDENTIFICATION DIAL
John E. Ostline, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 16, 1950, Serial No. 162,186
12 Claims. (Cl. 179—90)



1. In a calling device, a setting member having a normal position and being variably operable away therefrom to a plurality of other positions, means for returning said setting member back to its normal position after it has been operated, a first impulse sender, a cam linked to said setting member and rotated by said member only during the return of said setting member a variable number of times depending upon the extent of the operation of said setting member, said cam directly engageable with and operating said first impulse sender, and a second impulse sender operated by said setting member only during the return of said setting member a fixed number of times regardless of the said other position to which said setting member has been operated, said second impulse sender directly controlled by said cam whereby impulses from said senders are maintained in synchronization.

2,581,698
WEIGHT PER UNIT LENGTH SORTING DEVICE
William Robert Oyston, London, England, assignor to The Hewson Manufacturing Company Limited, London, England
Application November 4, 1948, Serial No. 58,184
In Great Britain November 6, 1947
7 Claims. (Cl. 209—75)



1. A machine for classifying tubes, rods and like pieces of stock according to the weight per

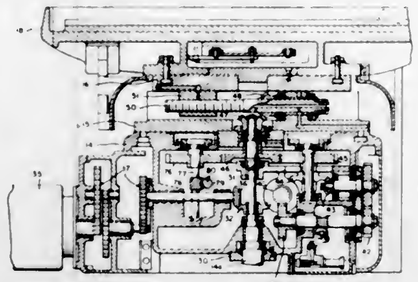
unit length of the pieces of stock, comprising means for individually feeding a piece of stock from a group of pieces to a measuring station, a measuring member at said measuring station displaceable from a datum position to a length measuring position to measure the length of a piece of stock that is being fed, at least one weighing arm positioned to support a piece of stock fed thereto in engagement with the measuring member, means supporting said arm for vertical movement under the action of the weight of the piece of stock, a weighing beam having a fixed pivotal axis near one end, a connection between the free end of the weighing beam and said weighing arm to reverse the relative movements and ensure that said free end is raised when the weighing arm is depressed under the action of the weight of a piece of stock, a rolling weighing member upon said beam exerting a moment thereon tending to prevent the raising of the free end thereof, a link having one end attached to said rolling weighting member, a movable support fixed to the other end of said link for pivot movement about an axis, the support being spaced above the rolling weighing member by a distance ensuring that the link is inclined to the weighing beam, and transmission mechanism effectively disposed between said measuring member and said movable support to adjust the position of the latter and thereby vary the horizontal distance between the pivotal axes of the weighing beam and said link according to the length measurement of the piece of stock that is being weighed.

2,581,699
AUTOMATIC SWITCH
Owen Avis Pearce and Reginald Taylor, Liverpool, England, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England, a British Company
Application June 3, 1947, Serial No. 752,213
In Great Britain June 19, 1946
9 Claims. (Cl. 179—18)



1. In a telephone system, an automatic switch, a first circuit including a magnet for operating said switch, a second circuit including a relay for stopping said switch, contacts on said magnet for controlling said first circuit, other contacts on said magnet for controlling said second circuit, said contacts being arranged so that said first circuit is closed only when said second circuit is open and said second circuit is closed only when said first circuit is open.

2,581,700
APPARATUS FOR FINISHING GEARS
Walter S. Praeg, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application August 11, 1947, Serial No. 768,055
4 Claims. (Cl. 90—1.6)



1. A gear shaving machine comprising a base, a rotary work support on said base, a rotary tool support on said base, means for effecting angular adjustment between said supports about an axis perpendicular to the axes of both supports, a first feed screw and nut mechanism for feeding one of said supports in a direction perpendicular to the axes of both supports, a first reversible motor for actuating said first mechanism, a second feed screw and nut mechanism for traversing one of said supports in a plane parallel to the axes of said supports, a second reversible motor for actuating said second mechanism, a third reversible motor for rotating one of said supports, control means comprising means for energizing said first motor to cause relative approach between said supports, means responsive to predetermined spacing between said supports to stop said first motor and energize said second and third motors, means responsive to predetermined traverse between said supports to reverse said second and third motors, means responsive to predetermined reverse traverse between said supports to stop said second and third motors and to energize said first motor in the reverse direction, and means responsive to predetermined separation between said supports to stop said first motor, ending a cycle.

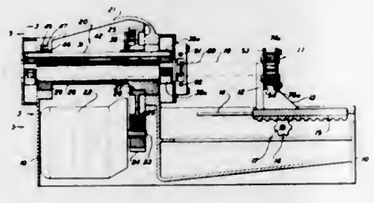
2,581,701
METHOD OF FINISHING GEARS
Walter S. Praeg, Detroit, Mich., assignor to National Broach and Machine Company, Detroit, Mich., a corporation of Michigan
Application February 7, 1949, Serial No. 74,882
2 Claims. (Cl. 90—1.6)



1. A method of finishing gears so as to provide gear teeth having different pressure angles at opposite sides thereof which comprises providing a gear-like finishing cutter, the corresponding

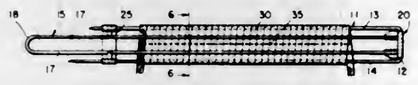
sides of all of the teeth of said cutter having a first uniform pressure angle, the opposite sides of said teeth having a uniform pressure angle different from said first pressure angle, said cutter teeth being of uniform cross-section from end to end and having cutting edges at the ends thereof, meshing the gear and cutter with their axes crossed so as to provide a longitudinal relative sliding motion between the tooth surfaces of the gear and cutter as the parts are rotated together, providing a relative inclination between the gear and cutter to introduce clearance along the sides of the cutter teeth in back of the cutting edges thereof, rotating the gear and cutter independently in accurately timed relationship in mesh at relatively high speed and effecting a relative traverse at feeding speeds between the gear and tool in a direction to distribute the finishing action of the cutting edges of the cutter teeth from end to end of the gear teeth.

2,581,702
WORK TURNING AND THREADING MACHINE
Louis Quijada, Alhambra, Calif.
Application March 16, 1946, Serial No. 654,916
6 Claims. (Cl. 10—107)



1. A drive for turning a workpiece comprising a hollow shaft through which the workpiece is passed, gripping cams for gripping the workpiece, the gripping cams being fastened to respective rotatable rods supported from the shaft, a gear wheel mounted for rotation in relation to the shaft, said gear wheel containing slots the longer dimensions of which extend radially, a power drive coupled with the gear wheel, and crank arms attached to the respective rods and having pins engaged in the slots of the gear wheel at a distance from the rods, the correlation and arrangement being such that rotation of the gear wheel causes the pins to slide radially in the respective slots and rotate the rods until the gripping cams grip the workpiece, after which the continued rotation of the gear wheel acts on the rods to rotate the hollow shaft to turn the workpiece.

2,581,703
DEVICE FOR HOLDING STRIPS OF MATERIAL TO BE STITCHED
Lucille G. Reilly, Van Nuys, Calif.
Application May 17, 1948, Serial No. 27,524
3 Claims. (Cl. 112—9)



parallel legs joined at one end, an inner frame hingedly secured to the outer frame at the end

1. A device of the type described comprising an outer frame about which material may be wound, said outer frame having a pair of spaced thereof where the legs of the outer frame are joined, said inner frame having a pair of parallel legs spaced apart a distance such that the overall width of the inner frame is less than the spacing of the legs of the outer frame, and a bracket removably mounted on the legs of said outer frame for holding the legs thereof in spaced relation, said bracket having means thereon on one side inwardly of its ends for receiving and releasably retaining the legs of said inner frame in substantially the same plane as the legs of the outer frame.

2,581,704
HAIRCUTTING METHOD
Reno R. Reno, Long Beach, Calif.
Application September 16, 1946, Serial No. 697,314
6 Claims. (Cl. 132—7)

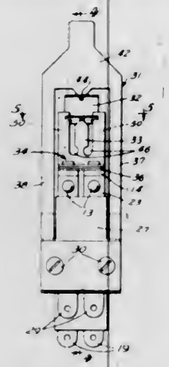


1. A hair cutting and dressing method which consists in forming a central area at the rear of the hair, dividing this central area into horizontally extending locks, combing these locks upwardly to a position opposite that normally occupied by the hair, then forming the locks into triangles at each side of the center line of the head with the angle opposite the vertical side of the triangle adjacent the center line of the head being at least 90°, then measuring from the base of the triangles, then cutting the tip end of the triangles to measured lengths, then dividing the side of the hair into horizontal locks, then combing these locks upwardly to a position opposite that normally occupied by the hair, then forming these last named locks into a triangle and arranging the last named triangle at an angle to the head, and then cutting the upper corner of the triangle to measured lengths.

2,581,705
BLADE TYPE SNAP ACTING DEVICE
Arthur L. Riche, Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 29, 1948, Serial No. 41,348
7 Claims. (Cl. 200—67)

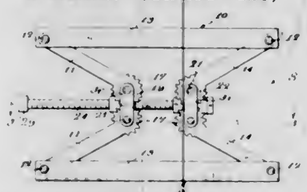
1. In a snap action device, the combination of a first resilient member mounted with an end portion free to move between preselected positions, means for mounting the opposite end of the first resilient member, a support movable between preselected positions, rigid spaced projections connected with and extending outwardly from said support, a second resilient member connected to said support and extending outwardly therefrom between said projections and movable between positions on opposite sides of said projections, a third resilient member disposed between and pivotally connected with said free end portion of the first resilient member and the

second resilient member, said third resilient member having spaced abutments forming a lost motion connection between said third resilient member and said projections and defining the positions of said second resilient member on opposite sides of the projections, said first, second and third resilient members and said support forming a snap spring system and said first, second and third resilient members forming an auxiliary snap spring system whereby movement of the point of interconnection between the first and third resilient members through a line pass-



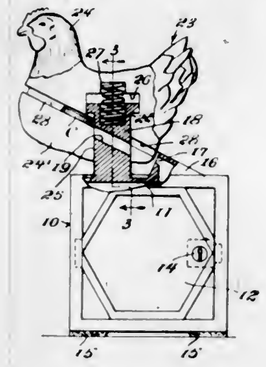
ing through the point of interconnection between said second and third resilient members and the effective mounting for said support urges the support to move between its preselected position with a snap movement and movement of the point of interconnection between the first and third resilient members through a line joining the point of interconnection between the second and third resilient members and the juncture between the second resilient member and the support moves said abutments relative to the projections to impart a hammer blow to said support.

2,581,706
SELF-LEVELING AND STABILIZING JACK
Harry J. Rimbach, Mount Dora, Fla.
Application June 25, 1948, Serial No. 35,085
2 Claims. (Cl. 254—126)



1. A self-leveling and stabilizing jack comprising an elongated base member, an elongated top member adapted to engage beneath an end of a vehicle to be elevated and transversely thereof, said base member being adapted to rest upon a supporting surface beneath the top member, a pair of arms pivotally connected to the base member, one adjacent each end thereof, a pair of arms pivotally connected to the top member, one adjacent each end thereof, a coupling member pivotally connecting complementary arms of said pairs of arms at their free ends, a second coupling member pivotally connecting the free ends of the other complementary arms of the base and top members, said arms having arcuate toothed portions at their last mentioned, free ends, the toothed portions of the complementary arms of the two pairs of arms being disposed in meshing engagement, said first mentioned coupling having a transverse bore extending therethrough, an actuating screw threadedly engaging said bore and having an unthreaded end, said second coupling having a bore for journaling the unthreaded end of the actuating screw, and means for non-slidably connecting said end to said second coupling member whereby when said adjusting screw is revolved said coupling members will be moved toward or away from one another for exerting a pull or a thrust, respectively, from the center of the jack toward the ends of the base and top member.

2,581,707
COMBINATION TOY AND SAVINGS BANK
Arthur P. Roffee, Lincoln Park, R. I.
Application September 6, 1950, Serial No. 183,334
2 Claims. (Cl. 46—4)

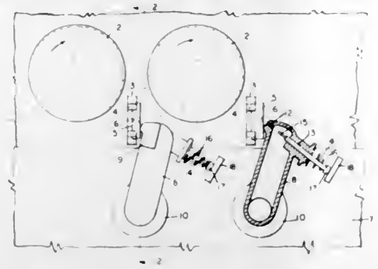


1. In a bank, a hollow coin-receiving receptacle having an enlargement on its upper end, there being a slot in said enlargement, a vertically disposed rectangular post projecting upwardly from said receptacle, the upper end of said post being of greater cross-sectional area than the remainder of said post and defining a flange, there being a socket in said post, a body member having the configuration of a fowl, said body member including a pair of sections secured together and provided with a cutout for slidably receiving therein said post, a portion of said cutout being enlarged to define a chamber for receiving therein said flange to limit up-and-down movement of said body member, there being a recess in said body member, a coil spring having one end positioned in said recess and its other end positioned in said socket for normally urging said body member into its uppermost position, there being an inclined slot in said post, said body member being provided with an inclined slot defining a coin slide for alignment with the slot in said post and the slot in said enlargement when said body member is depressed.

2,581,708
DIE HOLDING AND LUBRICATING MECHANISM
Walter E. Rogers, Stow, and Norman H. Nye, Cuyahoga Falls, Ohio, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application April 1, 1946, Serial No. 658,762
6 Claims. (Cl. 205—19)

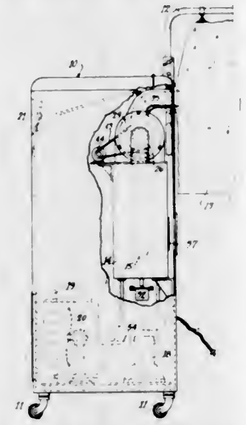
1. In a die holding and lubricating mechanism, the combination of a support providing a die

seat, a die in such seat, a retainer formed with a passage for supplying lubricant to said die, means supporting said retainer for movement toward and away from said die, means yieldably urging said retainer toward and into engagement with said die for exerting pressure on said die for holding it in such seat, and means operative to clear such passage in response to movement



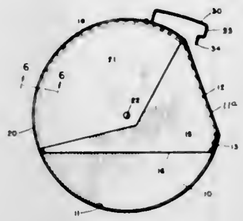
of said retainer away from and out of engagement with said die, said last named means including a rod in said retainer, and means axially constraining said rod from movement relative to said support, said rod being so disposed relative to such passage that movement of said retainer toward and away from said die effects positioning of said rod into and out of such passage respectively.

2,581,709
AIR COOLING SYSTEM FOR TENTS OR CANOPIES
William J. Rogers, Brooklyn, N. Y.
Application January 21, 1950, Serial No. 139,879
2 Claims. (Cl. 62—129)



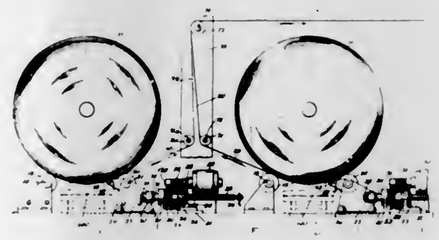
1. An air conditioning unit adapted to be maintained in a sanitary condition including a housing, a filler of insulating material for the housing, an air duct of relatively large diameter presenting an unbroken smooth interior wall for easy cleaning, a refrigerant conveying pipe coiled about the major portion of said duct, said duct and said pipe being solidly embedded in said insulating material, the ends of said duct and the ends of said pipe protruding from said housing, a blower for circulating air through said duct, an extension detachable from the blower and from a protruding end of said duct for joining the duct and blower, and means for taking said blower apart including said detachable extension for providing access to the blower and the duct for cleaning purposes.

2,581,710
HATBOX
George R. Roos, Chicago, Ill.
Application December 30, 1947, Serial No. 794,591
3 Claims. (Cl. 206—8)



1. A hat box having a bottom marginal flange upstanding from the latter and extending in a circular course along the greater portion of its length, a top with a pendent part-circular wall slightly spaced along the inner side of a part of said portion and secured to said bottom, said top having a flat wall extending from one end of said part-circular wall, said flange having a flat section for the remainder of its length adjoining the bottom portion of said flat wall, and a cover on said top, such cover having a part-circular wall depending to rest on said bottom along the inner side of the remaining part of said flange portion, said cover being rotatable to slide its wall around over the wall of said top and leave an opening in the side of the box.

2,581,711
MILL ROLL STAND
Louis W. Roselius, Lake Success, N. Y., assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application April 14, 1947, Serial No. 741,217
2 Claims. (Cl. 242—58)



1. A mill roll stand for supporting a roll of paper while the same is being unwound; said stand comprising a pair of parallel freely rotatable spaced idling rollers for carrying the mill roll; said rollers being initially spaced apart less than the diameter of the mill roll; means for moving one of said rollers toward the other as the diameter of the mill roll decreases during unwinding; said last mentioned means comprising a moving mount for said first mentioned roller; a motor and a connection between said motor and said mount for moving said mount toward and away from said other roller; and means responsive to the decrease in size of the mill roll for controlling the operation of said motor to move said mount toward the other roller as the diameter of the mill roll decreases.

2,581,712

PROCESS OF EXTRACTING OXYGEN COMPOUNDS FROM HYDROCARBON MIXTURE

Walter Rottig, Oberhausen-Sterkrade-Nord, Germany, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holton, Germany, a joint-stock company of Germany

No Drawing. Application August 8, 1949, Serial No. 109,226. In France August 12, 1948
2 Claims. (Cl. 260—450)

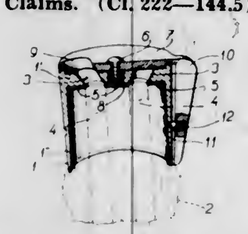
1. A process for the extraction of oxygen-containing compounds from reaction mixtures containing said oxygen-containing compounds and hydrocarbons which comprises acting on said reaction mixtures in a first stage with a polyvalent alcohol which is liquid under the conditions prevailing during the process, thereafter acting on the product of said first stage in a second stage with a mixture of polyvalent alcohol and a low molecular weight monovalent alcohol and finally treating the product of said second stage with water to remove any residual polyvalent alcohol and low molecular weight monovalent alcohol therefrom.

2,581,713

CLOSURE FOR MULTICOMPARTMENTED BOTTLE WITH MEANS FOR SELECTIVELY DISPENSING FROM ANY ONE OF SAID COMPARTMENTS

Richard Roubiček, Prague, Czechoslovakia, assignor to Ceskoslovensky Prumysl Lihovarsky a drozdarsky, Narodni Podnik, Prague, Czechoslovakia

Application March 1, 1950, Serial No. 146,935
In Czechoslovakia December 20, 1949
4 Claims. (Cl. 222—144.5)



1. A closure for bottles having a plurality of chambers extending into the neck of the bottle, comprising a cap adapted to be secured to said neck of the bottle, a plurality of passages in the top of said cap each arranged for communication with one of said chambers in said bottle neck when said cap is in position upon said bottle neck, a disc rotatably mounted on said cap, a single opening in said disc so arranged as to be adapted to be brought into registering position with any one of said passages in said cap upon rotation of said disc about its axis, an arm rigidly connected to said disc extending downwardly along the side of said cap, a spring-loaded member carried by said arm, and a number of depressions in said side of said cap situated in the path of said arm when the disc carrying said arm is rotated, so that said member will snap into a desired one of said depressions when in registering position therewith.

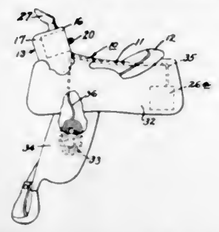
2,581,714

RIDING SADDLE WITH RADIO RECEIVING APPARATUS

Elmer Rovere, San Francisco, Calif.

Application July 25, 1949, Serial No. 106,601
2 Claims. (Cl. 54—44)

1. A riding saddle having side bars, a seat portion mounted at the rear portion of the side bars and an upstanding fork mounted on the side bars forwardly of such seat portion, said fork having a top and a rear wall, the latter being angularly connected at its base to the side bars and vertically inclined rearwardly from top to base, said rear wall having a recess therein, said recess be-



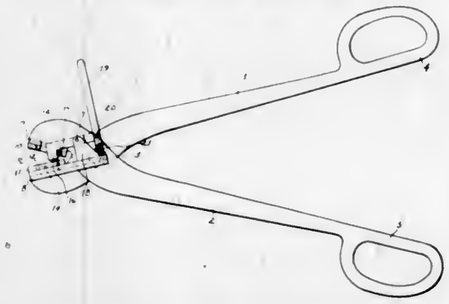
ing open through the top of the fork and open through the rear wall of the fork and towards the seat portion, a grilled ported closure member adapted to close the opening of the rear wall and a reinforcing plate secured to the top of the fork and closing the top opening of the recess.

2,581,715

HAND METAL STAMPING TOOL

Celestine A. Royer, Champaign, Ill., assignor to R. H. Bishop Company, Champaign, Ill., a corporation of Illinois

Application June 20, 1947, Serial No. 756,033
3 Claims. (Cl. 164—121)



3. A hand tool for blanking sheet metal comprising a pair of crossed handles pivotally connected, a die receiving jaw on each handle, detachable dies in each jaw, metal clamping means on one of said handles, said clamping means including a metal sheet-engaging arm and a lever connected through a toggle joint, said lever actuating said arm cooperative with one of said dies to hold said sheet in place during stamping

2,581,716

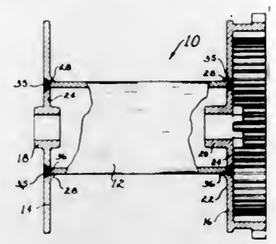
CONSTRUCTION OF DRUM FOR HOISTS, WINCHES AND THE LIKE

Matthias F. Sasgen, Chicago, Ill., assignor to Sasgen Derrick Co., Chicago, Ill., a corporation of Illinois

Application March 22, 1946, Serial No. 656,421
1 Claim. (Cl. 242—117)

A winding drum and cable winch comprising a cylindrical steel barrel having continuous even end faces extending in planes perpendicular to the axis of the barrel, and end flanges formed of malleable iron having their inner side faces abutting against opposite end faces of the barrel in coaxial relation therewith, each of said flanges having an annular series of spaced arcu-

ate slots concentric with the axes of the barrel and flanges, each of the slots diverging outwardly from the inner face of the flange and being larger at the outer face of the flange, and each flange having an annular series of spaced lugs formed integral therewith concentric with the axis thereof and the axis of the barrel, said lugs projecting laterally from the inner face of the flange and engaging longitudinal face portions of one end of the barrel, and keys formed from



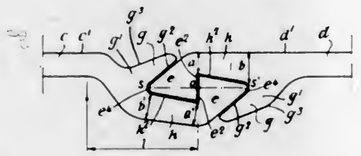
welding material welded onto the ends of the barrel and filling the slots in the flanges, whereby torsional displacement of the barrel with respect to the flanges is resisted and the flanges are mechanically interlocked to the barrel by the keys extending into the tapered slots to prevent endwise displacement of the flanges with respect to the barrel, the annular series of lugs of the flanges serving to prevent relative movement of the barrel and the flanges in a direction perpendicular to the axis of the barrel.

2,581,717

JOINT FOR SHEET PILES

August Schaack, Esch/Alzette, Luxembourg, assignor to Acieries Reunies de Burbach-Eich-Dudelange Societe Anonyme, Luxembourg, Grand Duchy of Luxembourg, a company of Luxembourg

Application July 30, 1947, Serial No. 764,748
In Luxembourg December 28, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 28, 1963
1 Claim. (Cl. 61—62)



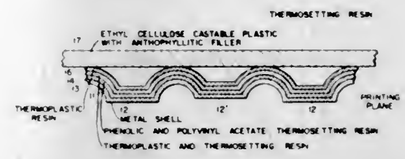
A sheet pile comprising a main web with complementary hook-joint forming marginal parts at its ends located uni-laterally of one face of the web, said marginal parts each comprising a tenon co-extensive with the web and formed with a substantially triangular outer end hook, and a claw spaced inwardly of the hook and having an inner side forming with the inner side of the adjacent tenon and the base side of the adjacent substantially triangular hook a channel complementary with one of the said hooks, the two hooks having peaks located in a common plane parallel with the plane of the web and intersecting approximately the centres of the base sides of the hooks, which base sides are normal to the plane of the web and diagonal with respect to the inner sides of the said tenons, so that the root ends of the tenons, i. e. those which join a normal web, are thicker than the outer ends which join the said hooks.

2,581,718

METHOD OF PREPARING DUPLICATE PLASTIC-BACKED PRINTING PLATES

Roland M. Schaffert and Melvin F. Browning, Columbus, Ohio

Application June 10, 1948, Serial No. 32,265
3 Claims. (Cl. 101—401.1)



1. In a method of making duplicate plastic-backed printing plates, the steps comprising preparing an electrotype metal shell, applying a laminated bonding material to the back face of the shell by first applying a layer of a thermosetting adhesive to the back face of the electrotype shell, applying a second adhesive layer over the first adhesive layer, said second adhesive layer comprising a mixture of said thermosetting adhesive layer and a thermoplastic adhesive, applying a third adhesive layer over said second adhesive layer, said third adhesive layer consisting of the same thermoplastic adhesive which forms a part of said second adhesive layer, preparing a thermoplastic backing consisting of a plastic material containing an asbestos filler in an amount such that the resultant thermoplastic backing has a thermal coefficient of expansion approximating the thermal coefficient of expansion of the electrotype shell, superposing said thermoplastic backing on said back face of the electrotype shell in contact with said laminated bonding material, heating the composite assembly to a temperature sufficient to soften the thermoplastic backing, applying sufficient pressure on the composite assembly to force the softened bonding material and backing material into the depressions in the back face of the electrotype shell, releasing the pressure, cooling the plate to a temperature at which the thermoplastic backing begins to harden and form an integral part of the composite assembly, and then pressing the composite assembly a second time to press all printing elements on the front face of the electrotype shell into a common printing plane.

2,581,719

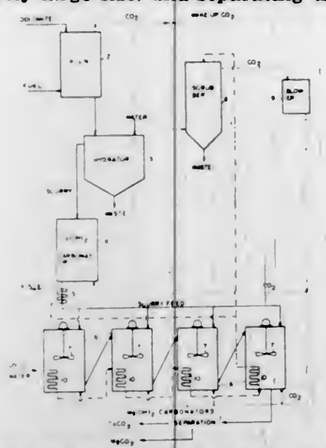
OBTAINING MAGNESIA FROM MAGNESIA-CONTAINING ROCK

Robert A. Schoenlaub, Tiffin, Ohio, assignor to Basic Refractories, Inc., Cleveland, Ohio, a corporation of Ohio

Application January 29, 1945, Serial No. 575,088
9 Claims. (Cl. 23—67)

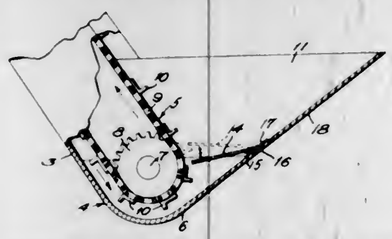
1. A process of the character described, which comprises supplying carbon dioxide to a slurry of calcined dolomite to a pH of about 10.5, at a temperature substantially above 100° F., thereby forming fine calcium carbonate crystals, then at a temperature not higher than about 57° F. supplying additional carbon dioxide to the partially carbonated slurry and adding fresh partially carbonated slurry in controlled amount from the first carbonation for reaction therewith at such

rates as to selectively form lansfordite crystals of relatively large size, and separating the mag-



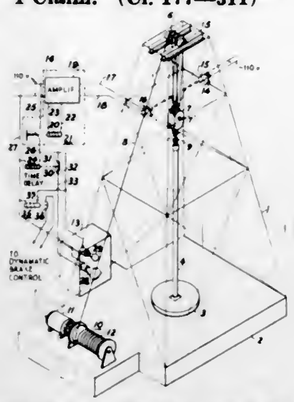
nesium carbonate and the calcium carbonate without destroying the crystal form.

2,581,720
ATTACHMENT FOR CORN PICKERS
Theodore B. Schulte, Dorchester, Iowa
Application February 28, 1947, Serial No. 731,583
1 Claim. (Cl. 198—53)



In combination with a corn picker elevator including a housing containing an endless conveyor provided with spaced slats and a hopper for receiving ears of corn opening into the housing adjacent the lower end of the housing and which hopper includes an open top and a bottom inclined downwardly from said open top toward the lower end of the housing; a shaker feed attachment comprising a substantially rigid flat plate disposed in the hopper, a hinge connecting one end of said plate to a portion of the inner-upper side of the hopper bottom substantially below the open top of the hopper, said plate extending from the hinge toward the housing and having a free end disposed in the housing in the path of movement of the conveyor slats and being supported by the slats above and at an angle to the portion of the hopper bottom disposed below the hinge, said plate being normally inclined downwardly from its hinged end toward its free end and being disposed to swing toward and away from the last mentioned hopper bottom portion and constituting an auxiliary hopper bottom portion adapted to support ears of corn, the free end of said plate being engaged intermittently by the upwardly moving conveyor slats for rocking the plate upwardly to substantially a horizontal position as each of the conveyor slats passes therebeneath for agitating the ears of corn, the free end of said plate being swung downwardly by gravity when disengaged by each conveyor slat for directing the ears of corn off of the free end of the plate and against the endless conveyor to be picked up by the next conveyor slat passing beneath the plate.

2,581,721
WARNING DEVICE FOR AN OIL WELL DERRICK
Almond H. Sherwood, Whittier, Calif.
Application September 11, 1948, Serial No. 48,883
1 Claim. (Cl. 177—311)



In combination, an oil well derrick having a draw works in its base for raising and lowering a traveling block within the derrick adapted to handle drill pipe, a braking means for said draw works, a light source mounted adjacent the top of said derrick, light directing means for concentrating said light source into a beam of light which passes through substantially the center of said derrick and across the vertical path of said traveling block, a photoelectric cell mounted on the opposite side of said derrick and adjacent the top thereof to intercept said beam of light, amplifier means connected to said photoelectric cell responsive to the interruption of said light beam striking said photoelectric cell due to the interposition of said traveling block between said photoelectric cell and said light source, a visual alarm means and an audible alarm means, a time delay relay, another relay operable by said amplifier means to actuate said draw works braking means, said audible alarm means, and said time delay relay, said time delay relay actuating said audible alarm means for a predetermined time interval.

2,581,722
ANTIFRICTION BEARING
Leon E. Simmons, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application June 12, 1946, Serial No. 676,205
9 Claims. (Cl. 308—206)

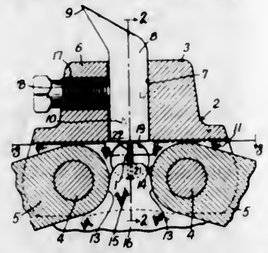


1. In an anti-friction bearing, the combination comprising inner and outer concentric bearing sleeves respectively having outer and inner annular grooves providing raceways, said grooves

having annular shoulders at the sides thereof provided with oppositely inclined outer beveled surfaces, balls arranged in the raceways provided by said grooves, and rollers arranged in alternation with said balls and circumferentially grooved to receive said balls, said rollers having oppositely inclined inner beveled surfaces at the sides of the grooves therein and engaging the beveled surfaces of said side shoulders to assure proper alignment of said rollers

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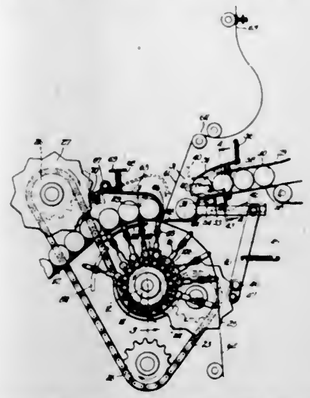
2,581,723
CUTTER CHAIN
Leon E. Simmons, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application December 21, 1946, Serial No. 717,696
2 Claims. (Cl. 262—33)



1. In a cutter chain, a chain block having a bit-receiving socket and a base having parallel side portions forming a space within the block base with which the inner end of said socket communicates, said space adapted to receive the tooth of a drive sprocket for the chain, said base side portion having aligned side apertures opening laterally from said space through the outer sides of the block base for the discharge of dirt laterally from said space, said apertures both cut by a plane transverse to the block and including the axis of the bit-receiving socket, and a narrow bit stop member extending transversely across said block in said space inwardly of said socket and secured at its ends to said base side portions with the ends of said stop member positioned and supported at its upper and lower surfaces in said side apertures, said upper and lower surfaces of the ends of said stop member being rigidly secured to the aperture walls, said stop member being of substantially less thickness than the longitudinal cross sectional dimension of said socket to provide spaces at the opposite sides of said stop member for the discharge of dirt inwardly from said socket into said space, and any dirt in said space discharging laterally through said apertures through the spaces at opposite sides of said stop member, said stop member having its upper surface at the bottom of said socket to provide a stop to limit inward movement of a cutter bit in said block socket, and said stop member being recessed at its bottom to provide clearance for a sprocket tooth in said space, and said stop member at the end walls of said recess extending inwardly along the sides of a sprocket tooth received in its recess.

2,581,724
BANDING MACHINE
Edward C. Sloan, Madison, Wis., assignor to Kartridg-Pak Machine Co., Chicago, Ill., a corporation of Illinois
Application November 23, 1946, Serial No. 711,908
37 Claims. (Cl. 53—98)

1. In an article banding apparatus of the type including means to supply articles to be banded and banding material therefor at a sealing station, means to shape said material and seal the same in banding relation to the articles, comprising a traveling support carrying a plurality of



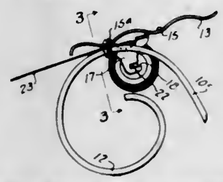
similar, individual sealings heads, means engageable by said heads to register the same relative to an article at said sealing station, and means to effect sealing of said material by said heads at said station.

2,581,725
POULTRY FEEDER
Marvin L. Smallegan, Zeeland, Mich., assignor to Automatic Poultry Feeder Company, Zeeland, Mich., a corporation of Michigan
Application August 10, 1950, Serial No. 178,680
2 Claims. (Cl. 198—168)



2. An elongated trough U-shaped in cross section, a rotatable sprocket wheel seated on the floor of the trough adjacent each end thereof, a sprocket chain carried by and between the sprocket wheels, a U-shaped member embracing each end of the trough inwardly of a sprocket wheel, a bar secured to the legs of each U-shaped member and above the opposite sides of the trough having a depending post for turning the opposite parallel flat lengths of the sprocket chain edgewise that lie between the several posts, and means for rotating one of the sprocket wheels for traveling the sprocket chain.

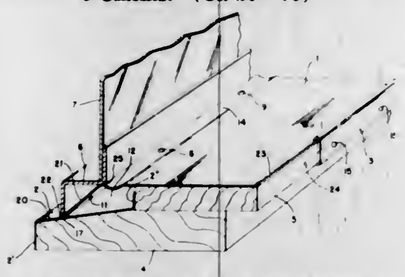
2,581,726
COMBINED METALLIC AND FABRIC AWNING STRUCTURE
Isidore Peter Smith, Maumee, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application December 27, 1950, Serial No. 202,853
2 Claims. (Cl. 160—22)



1. An awning structure comprising a metallic awning section, brackets for opposite sides of the

awning section for securing same to a building structure, a spring wound shade roller, a strip of flexible fabric awning connected at one edge to said roller, brackets for said roller connected respectively to the under side of said metallic awning near the outer edge portion thereof, a pair of bracket arms connected to the outer edge portion of said flexible fabric awning, and mountings for the free ends of said arms pivotally supporting said arms to enable the flexible fabric awning section to be unwound from or upon said roller.

2,581,727
VENTILATED WINDOW SILL
Louis Soplata, Novelty, Ohio
Application June 25, 1949, Serial No. 101,327
6 Claims. (Cl. 20—70)



1. In a window sill, a sill substructure having a stepped formation presenting an upper step and a lower step with both steps presenting upper surfaces and forward and rear edges, the upper surface of the lower step being inclined forwardly and downwardly, a flat, metallic sill element covering the upper surface of the lower step and having a rear, upwardly-extending flange covering the forward edge of the upper step and a front, downwardly-extending flange covering the forward edge of the lower step, an intermediate, metallic member covering the upper surface of the upper step, said intermediate member being provided with a transversely-extending groove in front of the forward edge of the upper step and terminating in a downwardly-inclined edge portion in engagement with the upper surface of the metallic sill, the inclination of said edge portion being greater than the inclination of the metallic sill to form an insulating pocket therebetween, and a rear member clamping the intermediate member and metallic sill to the substructure.

2,581,728
RETAINER-WELT SLIPPER SOCK
Maurice Spack, Brookline, Mass., assignor to Connecticut Footwear, Inc., Shelton, Conn., a corporation of Connecticut
Application November 17, 1950, Serial No. 196,299
2 Claims. (Cl. 36—9)



1. An article of footwear which comprises a knitted sock, an angular fabric retainer welt which has a substantially L-shaped cross section, and an outer sponge rubber sole, said sock having foot and leg portions, said welt being external to said sock and extending continuously around the periphery of said sock, one portion of said welt being upstanding and cemented to a contiguous portion of the sock and having sufficient stiffness to maintain itself and the contiguous sock portion upstanding to provide an upstanding frame around the foot portion of the sock, said frame being of sufficient height to restrain the foot of the wearer from shifting materially outwardly of the unstressed position of said welt, said welt having a foot portion located intermediate the bottom wall of the sock and the inner face of said outer sole and in immediate contact with both of these elements, said bottom wall of the sock being cemented to the adjacent face of the foot portion of the welt, and said foot portion of the welt being cemented to the adjacent part of the inner face of said outer sole.

2,581,729
LATCHING MEANS FOR HANDBAG FRAMES
Walter L. Strauss, New York, N. Y.
Application January 24, 1948, Serial No. 4,115
4 Claims. (Cl. 292—127)

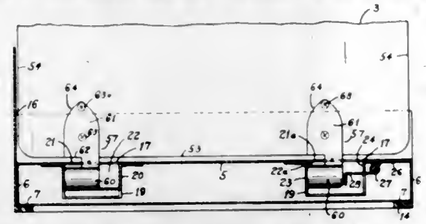


1. Latch means for securing in an open position a pair of U-shaped purse frames which are pivotally connected together at their adjacent ends by end aligned pivots and resiliently urged to a closed position, comprising a spring strip fixedly secured to the end portion of one of the frames with one end projected beyond the respective pivot and shaped to provide a hook, a second spring strip extended along the end portion of the other of the frames with one end projected beyond the said respective pivot and shaped to provide a hook complementary to said first hook so that when the frames are pivoted to a fully open position said hooks will be engaged retaining the frames in an open position, said second spring strip having its other end pivoted on its respective frame to be swung on axis extended at right angles to the axis on which the frames swing with relation to each other, and means for pivoting said second spring strip to disengage said hooks and free the frames to be resiliently urged to a closed position.

2,581,730
FILING APPLIANCE
John H. Talmage and Robert W. Finley, Canton, Ohio, assignors to Diebold, Incorporated, Canton, Ohio, a corporation of Ohio
Application March 2, 1946, Serial No. 651,564
3 Claims. (Cl. 129—15)

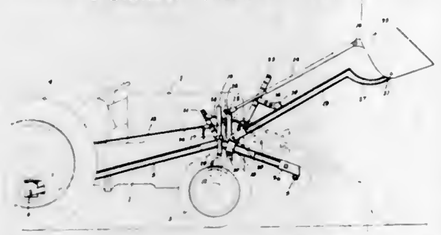
3. In a filing tray appliance, a hollow base formed with a smooth flat top wall, a slot formed in the base spaced from and parallel to each side edge of the base, a channel member secured to the underside of the top wall below one slot and having a width greater than the width of said slot to form a channel recess having an overhanging top wall portion, a Z-shaped strip member secured to the underside of the top wall below the other slot to form a second recess having an overhanging top wall portion, a stop member pivotally mounted within the hollow base

and movable between positions obstructing and free of said second recess, means for locking said stop member in recess obstructing position, means for releasing said stop member to permit it to move to recess-free position, a plurality of separator members having notched rollers at their



lower edges, said rollers being entered into the channel recesses through said slots and located in positions in which the overhanging top wall portions engage the roller notches, and said stop means when in recess obstructing position preventing movement of the rollers to disengage the notches from the overhanging walls.

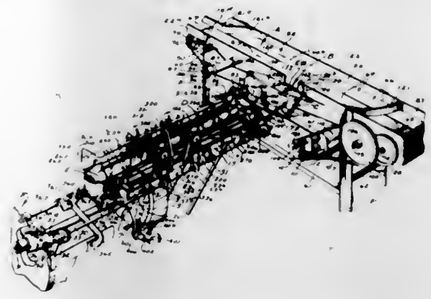
2,581,731
FRONT END IMPLEMENT MOUNT FOR TRACTORS
Irl W. Terry, Manteca, Calif.
Application May 4, 1948, Serial No. 25,038
8 Claims. (Cl. 214—140)



3. A front end implement mount for a tractor, comprising a pair of transversely spaced lift arms projecting ahead of the tractor, attachment members mounted in connection with the tractor on opposite sides and adjacent the front thereof, the lift arms being pivoted at the rear ends to corresponding attachment members for vertical motion, an implement mounted on the lift arms at their outer ends, a pair of longitudinally spaced, upwardly diverging swing levers pivoted in connection with the tractor on each side thereof adjacent the front for longitudinal swinging motion, lift links pivotally connected between the front levers and the lift arms, a direct pull-connection between the levers of each pair, and means connected to the rear levers to swing the same.

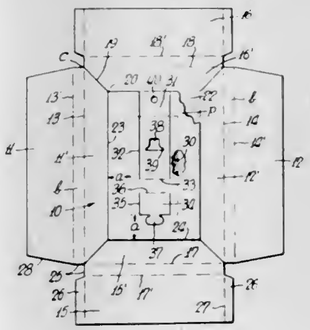
2,581,732
APPARATUS FOR FEEDING AND ORIENTING PEARS
Albert R. Thompson, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application January 3, 1945, Serial No. 571,146
15 Claims. (Cl. 198—33)

1. A pear feeding and orienting apparatus comprising a supply conveyor, a transfer conveyor, means operable by the amount of pears in the transfer conveyor for controlling the discharge of batches of pears from the supply to the transfer conveyor, said transfer conveyor including means for discharging pears in succession therefrom, and a feeding and orienting conveyor for receiving the pears from the transfer conveyor, for



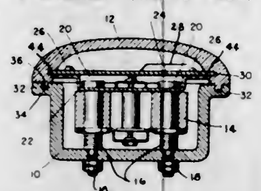
orienting the pears and for feeding them in oriented position to a place of deposit.

2,581,733
PICTURE FRAME
Harry Trask, New York, N. Y.
Application September 13, 1951, Serial No. 246,399
6 Claims. (Cl. 40—155)



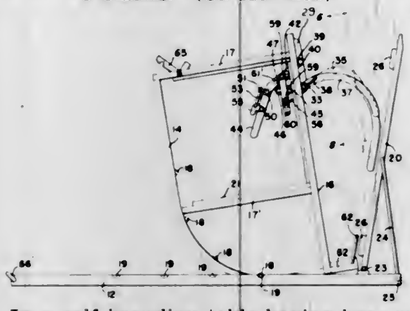
6. A flat structure that admits of being stacked and that can readily be set up as a framed picture, said structure comprising a cardboard blank having a rectangular body and flaps unitary therewith extending the lengths of the respective sides of said body, said blank being slit inward from the respective corners of the body, the inner edges of said slits defining the four corners of the picture or mat, said blank having creases in the outer face thereof connecting the inner ends of said slits and having further creases in the underface thereof along the edges of said body, defining the roots of said flaps, further creases parallel to the latter creases along the lengths of said flaps to define the thickness of the frame, two opposed flaps having end tabs with creases on the underface thereof, said end tabs being of height somewhat less than the distance between the two creases of the respective flap, the edges of the tabs at the respective corners of the rectangular body extending at right angles to each other, and a backing sheet of stiffer material bonded to the rear face of the mat portion of the blank and of dimensions no greater than said mat portion, the bordering area of said backing sheet being free relative to the mat.

2,581,734
INSTRUMENT CASE AND COVER
William R. Triplett, Bluffton, Ohio, assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio, a corporation of Ohio
Application January 11, 1950, Serial No. 137,950
6 Claims. (Cl. 73—431)



1. In a housing for an indicating instrument; a cup-shaped case, an instrument movement mounted in and supported by said case and comprising a dial adjacent the open side of said case, a transparent cover member on the open side of said case including an axially extending cylindrical portion that surrounds said dial, and a projection about the inner periphery of said cover member engaging underneath the edge of said dial, whereby said dial supports said cover member on said case.

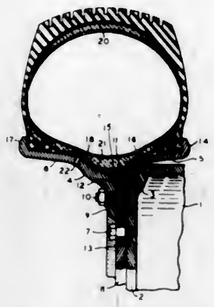
2,581,735
CALF BRANDING TABLE
George K. Turner, Cimarron, N. Mex.
Application February 19, 1947, Serial No. 729,586
3 Claims. (Cl. 119—103)



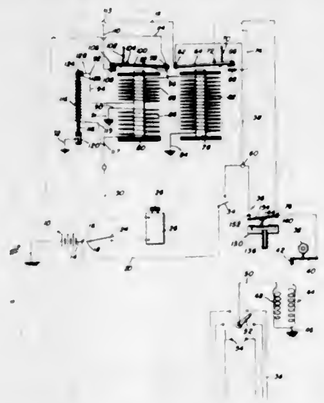
1. In a calf branding table having base members and a table having rocking engagement with said base members with a wall pivoted at one end of said base members coacting with said table at one extreme rocking movement thereof, the improvement comprising a shaft journalled on said table body clamping means fixed to said shaft and adapted for pivotal movement with relation to said table, and a second shaft journalled on said table, neck clamping means pivotally mounted on said first shaft, link means connecting both of said shafts for simultaneous operation of said shaft, link means connecting said second shaft to said neck clamping means, and adjustable pivot means on said last link means for pivotally connecting said neck clamping means to said last link means so that said last link means can be adjusted whereby the operation of the neck clamping means is faster than the operation of the body clamping means during the simultaneous operation of both shafts.

2,581,736
RIM AND TIRE ASSEMBLY
James W. Waber, Chicago, Ill.
Application April 24, 1947, Serial No. 743,638
3 Claims. (Cl. 152—396)

1. In a wheel, a brake drum, a drop center tire rim comprising two sections, each section including a tire supporting flange extending laterally from the plane of the wheel, beads in which the outer edges of said tire supporting flanges respectively terminate, means for securing said rim sections to said brake drum, a tire mounted on the sections of said rim between said beads the lateral diameter of said tire being substantially equal to the distance between the beads at the remote lateral edges of said rim sections, and a tube on said rim within said tire, the inner circumference of said tube being provided with a generally crescent-shaped insert of mastic material, said mastic insert being positioned between the beads of said tire to hold said beads in spaced relation.

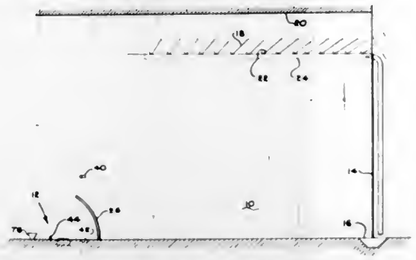


2,581,737
SAFETY DEVICE FOR MOTORS
Arthur E. West, Ladysmith, Wis., assignor of one-fourth to Jay H. West, one-fourth to William Walters, and one-fourth to Erwin B. True, all of Ladysmith, Wis.
Application August 7, 1950, Serial No. 178,017
3 Claims. (Cl. 290—38)



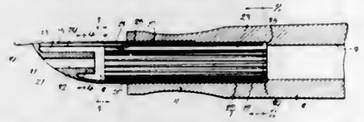
1. In combination, a source of electric energy, an ignition circuit for an internal combustion engine and connected with said source, a switch in said ignition circuit, means responsive to lubricant pressure of an internal combustion engine for operating said switch, a starter motor circuit for an internal combustion engine and connected with said source, a by-pass circuit connected with said ignition circuit and operable to by-pass said switch, a relay switch controlling said by-pass circuit, a solenoid for operating said relay switch, means responsive to energization of said starter circuit for actuating said solenoid.

2,581,738
GOLF GAME
Earl E. Williams, El Dorado, Kans.
Application February 18, 1948, Serial No. 9,169
10 Claims. (Cl. 273—87)



1. In an indoor golf game; a tee for the support of a golf ball; a switch actuated in response to driving a ball from said tee; a wall spaced from said tee having means to absorb the inertia of a ball driven thereagainst; flight detector means between said tee and said wall; including a time measuring arrangement calculator means having its operation initiated from said tee and interrupted by said detector means for calculating and detecting the theoretical free travel of the driven ball in accordance with the detection of its line of flight and velocity as determined by said detector means; and means including light projection means controlled by said detector means and operable to project an image simulating a ball in flight on said wall.

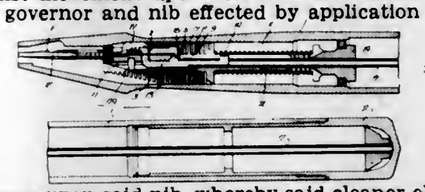
2,581,739
FOUNTAIN PEN
Russell T. Wing, Excelsior, Minn.
Application March 5, 1945, Serial No. 580,991
10 Claims. (Cl. 120—50)



1. A fountain pen comprising a reservoir, a nib, and feed structure comprising a shell, and a governor within the shell having a longitudinally extending capillary ink storage space tapering in wall-to-wall dimension from front to rear, said space being connected at its front end with the outside atmosphere and opening at its rear end directly into said reservoir, and a capillary ink feed passage separate throughout its length from and of greater capillarity than said ink storage space and directly connected at its rear end to said reservoir and in communication with the nib at its front end for connecting said reservoir to said nib independently of said ink storage space.

2,581,740
FOUNTAIN PEN
Russell T. Wing, Excelsior, Minn.
Application March 27, 1946, Serial No. 657,509
4 Claims. (Cl. 120—42)

4. A pen comprising a barrel having an ink reservoir, an overflow ink governor slidably mounted in said barrel, a pen nib carried by said governor and having an ink feed channel connected in ink feeding relation to said reservoir channel, a spring urging said governor and nib forwardly, a cleaner element having portions in the ink feed channels in said governor and nib, and means restraining said cleaner element against movement upon rearward movement of said governor and nib effected by application of

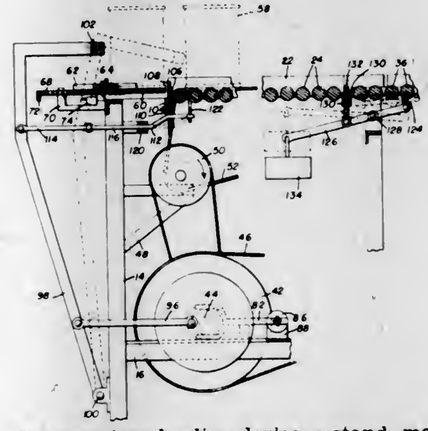


pressure upon said nib, whereby said cleaner element is effective to clear said ink feed channels of obstructions.

2,581,741
MODIFIED STARCH PROCESS
Ernest Wulkan, Partille, Sweden
No Drawing. Application December 1, 1948, Serial No. 62,979. In Great Britain December 19, 1947
1 Claim. (Cl. 127—33)

A process for the production of a modified soluble starch which comprises subdividing solid starch into small particles, adding not more than 20% by weight of water to said starch particles, intimately mixing the water and particles together, adding about 15% by weight of comminuted caustic alkali to the mixture, and intimately mixing the several ingredients without further comminuting them for a period of about fifteen minutes under intense water cooling to yield a powdered mass.

2,581,742
RETORT CAN TRAY LOADER
Harold A. Young, Milton, Oreg.
Application February 3, 1947, Serial No. 726,064
4 Claims. (Cl. 198—31)



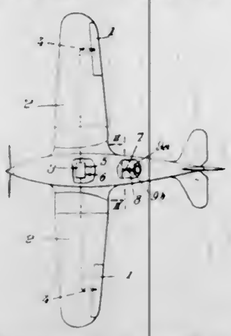
1. In a can tray loading device, a stand, means for directing cans in a predetermined travel, endless means for conducting cans, power means on said stand, means for urging a bank of cans on said endless means, said last means driven by said power means, means responsive to the number of cans passing through said directing means for rendering said urging means operative, and stop means defining the limits of cans travel on said stand operable by said urging means, said last mentioned means including guides secured to said stand, a baffle disposed within said guides, an actuating bar secured to said urging means and cooperating with said baffle whereby said baffle may be operated upon movement of said urging means.

2,581,743

AUTOMATIC SYSTEM FOR AIRCRAFT

Jacques Zakheim, Paris, France, assignor to Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.), Paris, France, a society of France

Application July 9, 1948, Serial No. 37,885
In France December 23, 1947
4 Claims. (Cl. 244—79)



1. In combination, an aircraft having lateral control surfaces for rolling said aircraft, a gyroscope mounted on said aircraft about a vertical axis, gimbal means for connecting said gyroscope with said aircraft including an outer ring pivoted to said aircraft about a transverse axis, a vertical inner ring for pivotally supporting said gyroscope and a horizontal spindle parallel to the fore-and-aft direction of said aircraft for pivotally interconnecting said two rings, a bank controlling device including two cooperating elements, one rigid with said inner ring and the other constituted by a gravity pendulum pivoted to said spindle about the horizontal axis thereof, and servo-motor means responsive to relative displacements of said elements for operating said lateral control surfaces to bank said aircraft, a roll correcting device including two cooperating elements, one rigid with said outer ring and the other with said spindle, and servo-motor means responsive to relative displacements of said two last mentioned elements for operating said lateral control surfaces to oppose rolling of said aircraft, the lateral control surface operating means of said roll correcting device and said bank controlling device respectively being arranged to exert equal and opposed actions on said control surfaces when the banking angle is equal to the angle made by the apparent vertical of the aircraft with the true vertical, and means responsive to displacements of said lateral control surfaces from their neutral position for operating the whole of said servo-motor means so as automatically to return said control surfaces to said neutral position when the opposed respective actions of said bank controlling device and said roll controlling device are equal and balance each other.

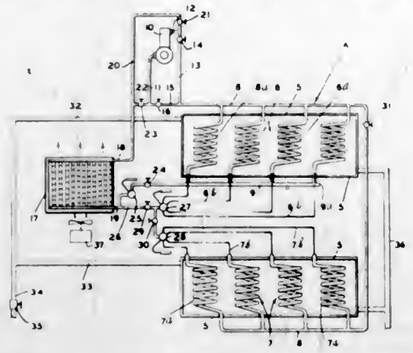
2,581,744

HEATING AND COOLING AIR CONDITIONING SYSTEM

William G. Zimmerman, Paynesville, Minn.

Application June 2, 1949, Serial No. 96,740
1 Claim. (Cl. 62—6)

A heating and cooling system for varying air temperatures, said system comprising a pair of heat transfer units, one of said heat transfer units being divided into two sections and the other serving as an air conditioning unit, a reverse cycle refrigeration system having said heat transfer units directly connected therein, a line structure running from said air conditioning unit to said two sections of the other heat transfer unit, means for expanding the gas running through said line structure, a second line structure running from one section of said heat transfer unit to the other heat transfer unit and having thermostatic expansion means interposed therein, said air conditioning unit acting as a



condenser in said system during the heating cycle and as an evaporator during the cooling cycle, both sections of said other heat transfer unit serving as an evaporator during the heating cycle and only one section serving as a condenser during the cooling cycle, a body of circulating liquid surrounding both sections of said last mentioned heat transfer unit, and valve means for controlling the cycle of operation of said system.

2,581,745

CULINARY IMPLEMENT FOR APPLYING SPREAD TO FOODSTUFFS

Victor A. Amorino, West New York, and Leo C. Bizzarro, Long Branch, N. J.

Application November 24, 1950, Serial No. 197,436
5 Claims. (Cl. 65—12)



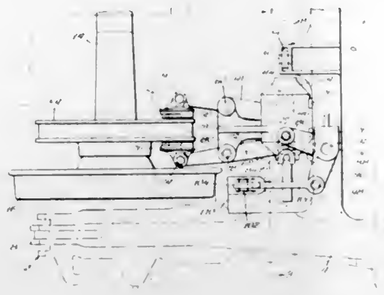
4. A corn buttering implement comprising: a vertically elongated, rectangular casing having a rectangular bore of substantially uniform cross-section throughout its length and having a substantially rectangular, concave open bottom at the discharge end of said bore adapted to conform generally to the transverse curvature of the surface of an ear of corn; widened surfaces for bearing on the surface of said ear of corn extending transversely of said casing adjacent opposite sides of said bottom, said widened surfaces being concavely arched to conform substantially to the curvature of said bottom to provide smooth operation of the implement as it passes over the kernels of the ear of corn; and a plunger for said bore, said plunger having shoulder stops at the top of said plunger.

2,581,746

RAILWAY BRAKE

Walter H. Baselt, Flossmoor, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application July 28, 1948, Serial No. 41,090
31 Claims. (Cl. 188—59)



1. A railway car truck having a substantially rigid structure including a side rail, a transom connected thereto, a cylinder connected to the transom, a fulcrum bracket adjacent the juncture of the transom and side rail, a wheel and axle assembly supporting said structure and including a wheel and an adjacent brake disc, a pair of brake levers each pivoted intermediate its ends on a substantially vertical axis to said bracket, friction means carried by said brake levers at one of their corresponding ends adjacent said disc for braking cooperation therewith, a pair of substantially vertical lever members connected at corresponding points to the opposite ends of respective levers, an operative connection between said lever members and said cylinder, a bell crank lever pivoted intermediate its ends on a substantially vertical axis to said transom adjacent said side rail and having a pair of angularly related substantially horizontally extending legs, one of said lever members having its upper extremity interposed between one of said legs and the inboard side of said side rail, a connection between the upper extremity of said one lever member and said one leg, a substantially vertical dead truck lever pivoted intermediate its ends to said structure inboardly of said side rail adjacent said transom, a brake head and shoe assembly carried by the lower extremity of said dead truck lever adjacent the tread of said wheel for braking engagement therewith, and an operative connection between the upper extremity of said dead truck lever and the other leg of said bell crank lever.

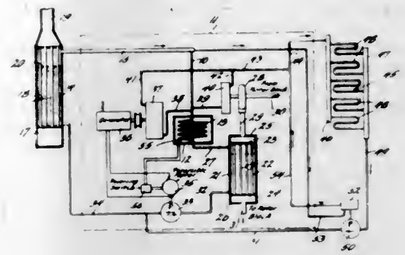
2,581,747

COMBINED HEAT EXCHANGE SYSTEM AND AUXILIARY POWER PLANT FOR INTERNAL-COMBUSTION ENGINES

Carl H. Block, Peoria Heights, Ill.

Application September 18, 1950, Serial No. 185,430
5 Claims. (Cl. 123—142.5)

1. In combination with an internal combustion engine having a liquid cooling jacket, a heat exchange unit comprising a tank, tubes in said tank, means for circulating liquid from said jacket through said tubes and back into the jacket, means for passing a heat exchange fluid around said tubes, said last mentioned means including at least one condenser for changing said fluid from a gaseous state to a liquid state and at



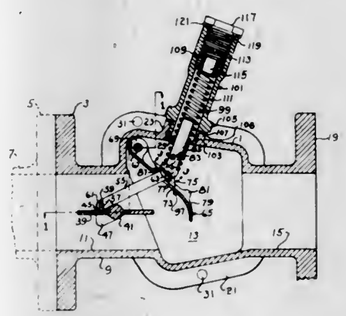
least one heater for changing said fluid from a liquid state to a gaseous state.

2,581,748

FLOW CONTROL DEVICE

Hosmer L. Blum, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana

Application January 4, 1946, Serial No. 639,010
6 Claims. (Cl. 137—152)



1. In a fluid flow control valve, a body having an inlet and an outlet, a source of fluid under pressure connected to said inlet, a butterfly valve in said inlet movable between open and closed positions, a swinging vane in said body, a link pivotally connected at one end to said butterfly valve and pivot means connecting the other end of said link to said vane, means mounting said vane in the path of the fluid flowing through said inlet, said vane being progressively moved out of said path, as the flow increases, the link connection being so arranged as to move said butterfly valve toward the closed position as the vane moves out of said flow path, a plunger having one end connected to said vane by said pivot means and a spring acting on said plunger to urge said vane into the path of said fluid.

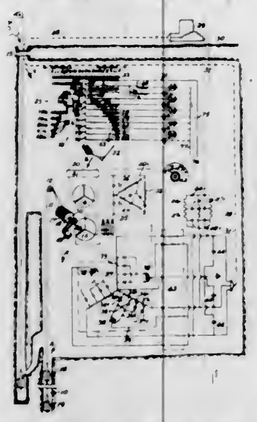
3. In a fluid valve, a body having a central chamber, side covers for said chamber, an inlet and an outlet communicating with said chamber, the walls of said chamber having a pair of diametrically opposed holes formed therein, each of said covers having a blind hole aligned with the holes in the walls, a butterfly valve mounted to control the inlet and having a hub, journal means formed in said hub, pin means mounted in said holes and journal means for rotatably supporting said valve, said pins being held in place by said covers.

2,581,749

REMOTE SURPLUS ENERGY DISSIPATION FOR WOUND ROTOR INDUCTION MOTORS

George Bradford, Desmond Mulock-Bentley, and Norman Hugh Auret, Johannesburg, Transvaal, Union of South Africa, assignors to Anglo American Corporation of South Africa, Limited, Johannesburg, Transvaal, Union of South Africa

Application February 27, 1947, Serial No. 731,326
In the Union of South Africa December 21, 1946
9 Claims. (Cl. 98—50)



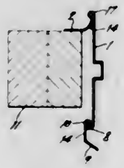
1. In combination, a mine having a substantially confined chamber, an alternating current wound-rotor induction motor in said chamber, a step-up magnetic voltage transformer in said chamber having its primary winding connected to said rotor, a relatively long transmission circuit connected to the secondary winding of said transformer and extending outside said chamber, and a dissipative resistance load located exteriorly of said chamber and connected to said transmission circuit, whereby a substantial portion of the energy required to be dissipated by said rotor may be transmitted for disposal exteriorly of said chamber.

2,581,750

JAMB

Frank J. Bursik, Los Angeles, Calif.

Application August 19, 1946, Serial No. 691,446
3 Claims. (Cl. 189—46)



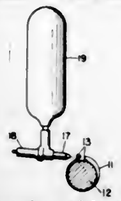
2. In a jamb, the combination of metal uprights and a head member attached together to form a complete door or window jamb, a flange extending from one side of each of said metal uprights of said jamb to provide means to attach said jamb to one side of supporting uprights, a flange pivotally attached to the other side of each of said metal uprights of said jamb for attaching said second side of said jamb to said supporting uprights whereby said jamb can be completely assembled and inserted as a unit in a door opening.

2,581,751

METHOD OF FORMING SIDE SEAMS IN METAL CAN BODIES

Fred L. Chase, Jr., Dedham, and Henry G. Maeder, Jr., Belmont, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts

Application January 29, 1945, Serial No. 575,196
1 Claim. (Cl. 113—120)



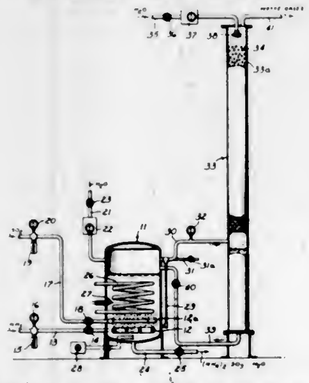
In the art of forming side seams in a metallic can body at commercial machinery side seaming speed wherein a sealing compound is interposed between two body hooks which are then interlocked, that improvement which includes providing a supply of liquid can sealing compound comprising a filler, a rubbery polymer selected from the class consisting of natural rubber, copolymers of butadiene and styrene, copolymers of butadiene and acrylonitrile, and polychloroprenes dissolved in a sovlent for the polymer which is gaseous at normal temperatures and pressures, maintaining said compound in a container under the super-atmospheric vapor pressure of the solvent for the polymer, flowing the compound through a nozzle the open end of which is exposed to atmospheric pressure to form a band of compound lying within and along the extent of one of said body hooks whereby because of the sudden reduction in pressure and the consequent instantaneous ebullition of the now gaseous solvent the band is converted into a puffed, bubble- and pit-filled solid, then cohesively uniting the bubble- and pit-walls of said solid to form a dense, continuous, hermetic sealing mass by applying pressure between the external body hook and a support for the can body and simultaneously distorting the metal to form an interlocked side seam without squirting or squeezing the sealing compound out of the seam.

2,581,752

METHOD FOR MAKING AMMONIUM SULFITE

Robert T. Collier, Palos Verdes Estates, Calif., assignor to R. T. Collier Corporation, Los Angeles, Calif., a corporation of California

Application August 4, 1947, Serial No. 765,836
7 Claims. (Cl. 23—129)



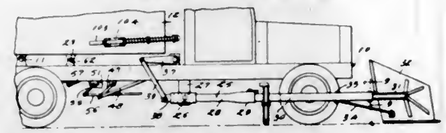
1. A method of producing ammonium sulfite, including the steps of: continuously introducing ammonia into a body of water at a level below the top surface thereof for upward dispersion to create an alkaline zone in the body of water; continuously introducing sulfur dioxide into said body of water above said level in said zone to react with the dispersed ammonia to form ammonium sulfite; continually adding water to said body; and continually drawing water from said body containing the ammonium sulfite in solution.

2,581,753

COMBINED TRUCK AND IMPLEMENT CARRIER

Lee A. Cooper, Ojus, Fla.

Application April 28, 1950, Serial No. 158,712
2 Claims. (Cl. 214—78)



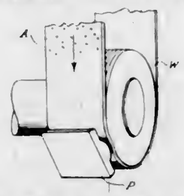
1. In combination, a truck having a chassis, a body pivoted on said chassis, a pair of implement carrying arms pivotally carried by said chassis and extending lengthwise, a hydraulic member pivotally secured at one end relative to said chassis, a longitudinally movable slide carried by said chassis, means connecting said slide with said arms for rocking the latter with movement of said slide, coupling means for coupling said hydraulic member with either said body for tilting said body or for coupling said hydraulic member with said slide for moving the latter lengthwise of said chassis to thereby rock said arms, said coupling means including a pin, a pair of ears fixed to said body and having openings aligning with said pin when said body is in a lowered horizontal position, means for moving said pin laterally into said openings, and means supporting said hydraulic member in a position to be coupled to said ears when said pin is moved into said openings.

2,581,754

CONTACT WHEEL SECTION

William J. Cosmos, Chicago, Ill.

Application November 21, 1950, Serial No. 196,916
5 Claims. (Cl. 51—141)



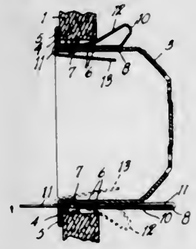
1. A generally disc-shaped section for contact wheels and rolls, having a generally central, rigid part and a generally peripheral, elastic part; the central part comprising a rigid hub and an elastic body bonded to the hub and to the peripheral part and having generally flat, parallel sides; and the peripheral part comprising an elastic body with generally flat, parallel sides and on each of said sides, a series of substantially uniform and radial ribs, each rib extending from the periphery of the peripheral part inwardly along the side to an area adjacent the periphery of the central part, the ribs of each side being distributed over the entire peripheral part and spaced apart by substantially uniform peripheral distances greater than the width of each rib, and the bodies of the ribs being solid, at least approximately semicylindrical, and wide enough to project laterally beyond the sides of the central and peripheral parts by major distances in comparison with the width of the body of the outer part, so that a contact wheel formed of such sections in direct contact with one another has a working surface formed by peripherally and laterally distributed, laterally overlapping and peripherally spaced end surfaces of the ribs and by narrow bridges formed by portions peripherally interconnecting said ribs.

2,581,755

ELECTRICAL CONNECTION BOX

John Elwood Dieffenderfer, Constantine, Mich., assignor of one-half to J. Mark Harvey, Dearborn, Mich.

Application February 4, 1946, Serial No. 645,440
10 Claims. (Cl. 220—3.6)



1. The combination with a connection box, of brackets mounted on the outer sides of opposed walls of the box and having laterally projecting support engaging flanges, said brackets having transversely spaced inwardly projecting bendable arms disposed along the sides of the box and having longitudinally spaced weakened zones, and straps integral with and extending from the inner ends of the arm and reversely folded relative thereto to lie between said arms and the sides of the box and initially projecting beyond the front edges of the arms whereby they may be grasped and the arms bent outwardly relative to the box into retaining clamping engagement with a support in opposed relation to the flanges of the brackets by pulling on the straps and the straps then folded over the edges of the box into retaining engagement therewith with the ends of the straps disposed within the box.

2,581,756

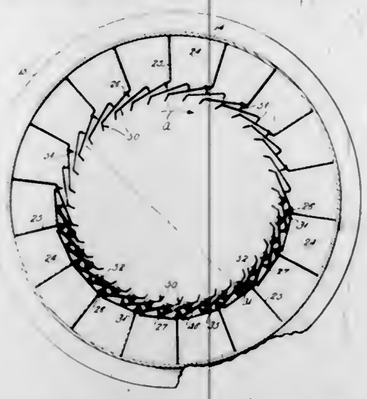
ROTARY DRIER OR COOLER

John L. Erisman, Oak Park, Ill., assignor to Link-Belt Company, a corporation of Illinois

Application June 19, 1947, Serial No. 755,664
9 Claims. (Cl. 34—135)

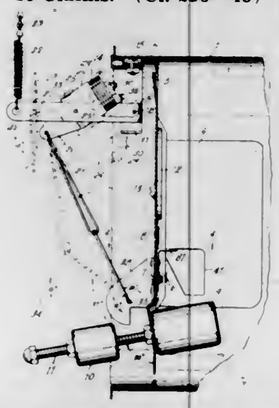
1. A device of the type described, comprising a rotatably supported, horizontally arranged cylinder, an annular series of longitudinally extending, substantially radial louvres secured at their outer longitudinal edge portions to the cylinder in circumferentially spaced relation to form a circular series of radially inwardly opening longitudinal treatment fluid passages, a plurality of circumferentially extending bars positioned between and attached at their ends to the inner longitudinal edge portions of adjacent radial louvres for tying said louvre edge portions together, said tying bars being arranged to form several circular series which are spaced longitudinally of the cylinder, plate members attached

partly to said tying bars and partly to the associated edge portions of the radial louvres to form a plurality of circumferentially arranged, angular seats at the location of each circular series of tying bars, a plurality of longitudinally extending, tangential louvres supported in said angular seats



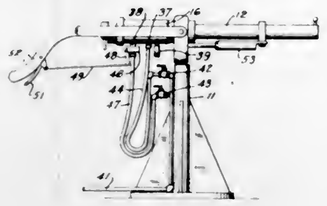
to collectively form a supporting surface for a bed of material to be treated and to form paths for discharging into the bed of material the treatment fluid that leaves the fluid passages through their radial openings, and means for detachably fastening said tangential louvres in place.

2,581,757
DRAFT CONTROL
Edward A. Field, Jr., Mendota, Ill.
Application July 28, 1949, Serial No. 107,187
16 Claims. (Cl. 236—45)



11. In a draft regulating device, an open ended housing, a control gate in said housing pivotally mounted for inward movement of a portion thereof by excess pressure on the outer surface thereof, a main control means for producing a closing torque on the gate, an auxiliary control means for producing a turning torque on the gate, said main control means being disposed relative to the gate to decrease the closing torque on the gate during the latter portion of the opening movement of the gate, said auxiliary control means being disposed relative to the gate to decrease its turning torque on the gate during the latter portion of the opening movement of the gate, and adjustable means for rendering said auxiliary control means inoperative to produce full turning torque on the gate.

2,581,758
HARPOON CANNON
John B. Galliano, Oakland, and John R. Grigg, Alameda, Calif., assignors, by mesne assignments, to Industrial Ideas, Inc., Oakland, Calif., a corporation of California
Application August 20, 1946, Serial No. 691,724
5 Claims. (Cl. 124—11)

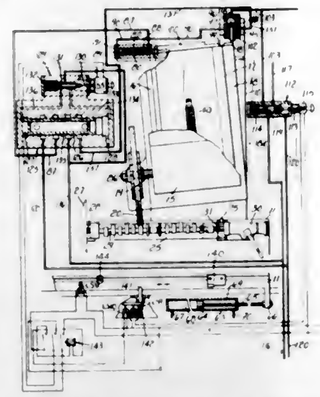


1. A gun having a barrel and a hollow cylindrical member behind and in line therewith, a valve within the member and adjacent to the inner end of the barrel, a stem to which the valve is attached, a wall fixed within the member and spaced from the valve, the gun having a high pressure chamber formed in part by the member, valve and wall, the member having a lesser interior diameter behind the wall to form a shoulder to support the wall in position, a plunger behind the wall and movable toward and away from the wall, the stem extending through the wall and being attached to the plunger, packing to prevent leakage where the stem extends through the wall, the plunger being spaced from the wall when the valve is open and closed, the gun having a firing chamber formed in part by the member, wall and plunger, a closure member spaced from the plunger, a compression spring extending from the closure member to the plunger to close normally the valve and maintain it closed, a closed conduit to connect the high pressure chamber to a source of gas under high pressure, a valve in the conduit, a second closed conduit to connect the firing chamber to a source of gas under high pressure, a valve in the second conduit, a normally closed firing valve in the second conduit between the first mentioned valve therein and the firing chamber, and a trigger to open the last mentioned valve, the plunger and closure having vents therethrough to release pressure accumulated in the firing chamber.

2,581,759
CAM GRINDING MACHINE
Clarence J. Green, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 31, 1950, Serial No. 153,200
24 Claims. (Cl. 51—101)

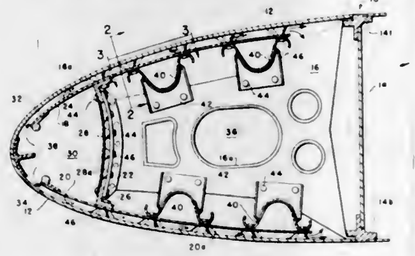
18. In a cam grinding machine having a base, a transversely movable wheel head, a rotatable grinding wheel mounted thereon, a pivotal mounting for the wheel head mounted on the base for swivelling movement about a vertical axis, a longitudinally movable table, a rotatable cam shaft support thereon, means for moving the table longitudinally successively to position spaced cams in operative relation to the grinding wheel, means to swivel said head in either direction, adjustable stops to limit the swivelling movement of the head in either direction, and means actuated by and in timed relation with the table movement to control the swivelling means so as to alternately swivel said head in

opposite directions after each cam has been ground to facilitate grinding a predetermined



taper in opposite directions on alternate cams to be ground.

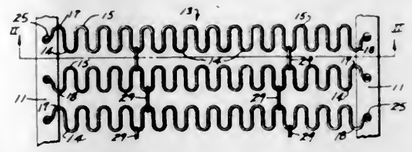
2,581,760
AIRPLANE DEICING CONSTRUCTION
Edward Harpoothian, Los Angeles, and Milton A. Miner, Pacific Palisades, Calif., assignors to Douglas Aircraft Company, Inc., a corporation of California
Application April 2, 1946, Serial No. 659,012
12 Claims. (Cl. 244—134)



2. A wing surface de-icer of the heat exchange type, including: an outer skin having inwardly projecting dimples; an inner skin in contact with the dimples of said outer skin; spanwise stiffener members having flanges in contact with the inner surface of said inner skin; and fastening means for joining said skins and said stiffener member flanges in said contacting relationship, said juncture of said skins and said stiffening member flanges being of sufficiently constricted area to minimize the heat transfer therebetween.

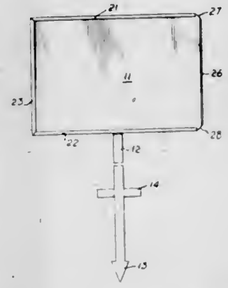
2,581,761
SPRING ATTACHMENT MEANS
Joseph D. Haas, Memphis, Tenn., assignor to U. S. Bedding Company, Memphis, Tenn., a corporation of Georgia
Application June 23, 1949, Serial No. 100,940
4 Claims. (Cl. 155—179)

4. In a spring assembly, a pair of spaced parallel rails, a plurality of spring elements spanning the distance between said rails, each said element including at its opposite ends opposed curved hook portions, each terminating in a free tip, a like plurality of pockets having opposite sides formed in each said rail, each said pocket housing a said hook portion with the free tip of said housed hook abutting one side of the interior of the pocket and the curve of said hook abutting



the opposite side of the interior of said pocket, said spring elements being thereby attached to said rails.

2,581,762
SIGN HOLDER AND POST THEREFOR
Frank Hesse, Hackensack, N. J.
Application March 2, 1949, Serial No. 79,163
6 Claims. (Cl. 40—17)

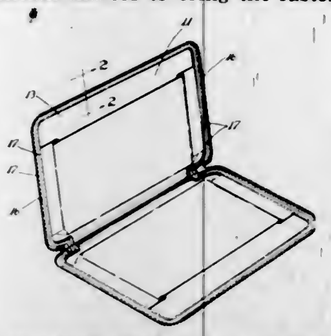


6. In a sign holder adapted for outdoor use, a generally rectangular plate with a solid back surface, slides integral therewith along three of the edges thereof for the reception of a card sign, said slides at their adjacent ends substantially meeting thereby forming a substantially continuous retaining formation for engaging three of the edges of a card sign, open ends of said formation being disposed adjacent each end of the other or fourth edge of said plate, a right angled flange integral with said plate disposed along said fourth edge and substantially co-extensive therewith for retaining the fourth edge of said card against movement parallel to the surface of said plate, the corners of said plate adjacent the open ends of said slides and between them and the ends of said flange being cut out sufficiently only to provide a finger hold by which a card sign can be lifted over the outer edge of said flange and drawn out in a direction generally parallel to the plane of said plate.

2,581,763
BRIEFCASE AND METHOD OF MAKING SAME
Walter R. Hickler, Winthrop, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 6, 1947, Serial No. 732,808
3 Claims. (Cl. 150—1.6)

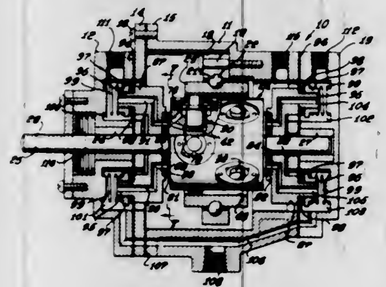
1. Briefcase comprising a generally rectangular sheet of textile fabric, covering layers of flexible thermoplastic material overlying the surfaces of said sheet and bonded thereto, the outer margins of said covering layers extending beyond the periphery of said sheet along the extent thereof and having disposed therebetween and bonded thereto a margin of a slide fastener tape having fastener elements disposed along its opposite margin, said fabric sheet and covering

layers therefor being adapted to be folded across one dimension thereof to bring the fastener ele-



ments of said slide fastener into fastening relation along the extent of said fastener.

2,581,764
METERING FUEL PUMP
William E. Leibing, Los Angeles, Calif.
Application December 1, 1947, Serial No. 789,106
2 Claims. (Cl. 103—161)



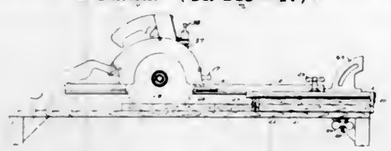
1. In a fuel pump, the combination of a casing; a rotor within the casing; pump means on the rotor, the rotor having a plane end face provided with ports communicating with said pump means; valve means including a nonrotatable ported washer adapted to contact said end face in sealing relation; a support member for said washer, said member being provided with inlet and outlet passageways communicating with said ported washer; a diaphragm positioned in sealed relationship with respect to said casing; means whereby the support member is carried on the diaphragm; and resilient means acting on the member to maintain pressure between said ported washer and the rotor end surface, the resilient means and diaphragm cooperating to provide a flexible support for said member and washer to accommodate any wobble of said rotor end surface.

2,581,765
MAGNETIC SOUND RECORD
Theodore H. Mann and Theodore G. Mann, Los Angeles, Calif., assignors to Sound Engineering, Hollywood, Calif., a partnership
Application April 20, 1948, Serial No. 22,078
6 Claims. (Cl. 274—41.4)



1. A magnetic sound record comprising a continuous solid record base having thereon a continuous curved groove of non-equilateral sawtooth cross-sectional shape, at least one wall surface of said groove being adapted to receive magnetic sound recordings and the adjacent convolutions of said continuous curved groove being contiguous at a common edge.

2,581,766
GUIDE DEVICE FOR PORTABLE POWER SAWS
Edward R. McConnell, Syracuse, N. Y.
Application March 4, 1950, Serial No. 147,585
1 Claim. (Cl. 143—47)



A device for supporting and guiding a portable power operated hand saw comprising a base plate adapted to be mounted on a work bench and having a guideway and a centrally arranged aperture, an elongated saw supporting plate mounted for sliding movement in a lengthwise direction in said guideway, said supporting plate being formed with a lengthwise extending slot arranged in register with said aperture and said plate being formed with an upstanding flange along one edge thereof for guiding the saw during movement thereof lengthwise of the plate, a clamping member extending vertically through the base plate and through said slot in the saw supporting plate and being operable to clamp said plates together.

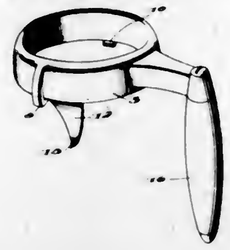
2,581,767
METHOD OF MANUFACTURE OF LEAKPROOF INNER TUBES
William J. Mileski, Norwich, Conn.
Application October 18, 1946, Serial No. 703,944
5 Claims. (Cl. 154—15)



1. The method of manufacturing a leakproof tube consisting of a plurality of layers of plastic material producing portions of different thicknesses in said tube; the said method consisting of partly curing each of said layers before they are joined together, then joining them together, and then completing the curing operation.

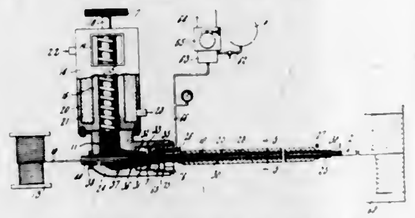
2,581,768
COMBINED CAN OPENER AND DISPENSER
Thornton E. O'Casey, Honolulu, Territory of Hawaii
Application December 13, 1948, Serial No. 64,970
4 Claims. (Cl. 222—83.5)

1. A combined can opener and dispenser comprising a ring having a relatively wide edge face formed with an annular recess to receive a can rim, said ring tapering from said wide edge face to the opposite edge face to provide a pouring lip, a sealing annulus seated in said recess, a hook on said ring for engagement with the rim, a catch on the ring diametrically opposite from the hook for engagement with the rim when the ring is swung about the hook as a pivot, a triangular blade depending from the ring adjacent the hook, a downturned point on the free end of the blade for puncturing the can top when the ring is swung about the hook as a pivot, and a handle disposed at a right angle from said hook and catch for



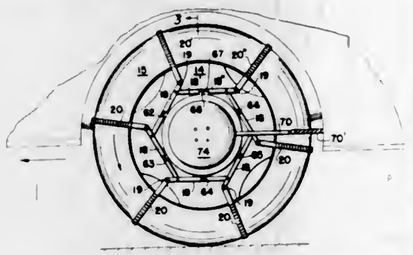
swinging the ring about its pivot and for lifting the punctured can to drink the contents therefrom.

2,581,769
EXTRUSION DIE
Mark W. Olson, Allendale, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 1, 1949, Serial No. 73,995
5 Claims. (Cl. 18—13)



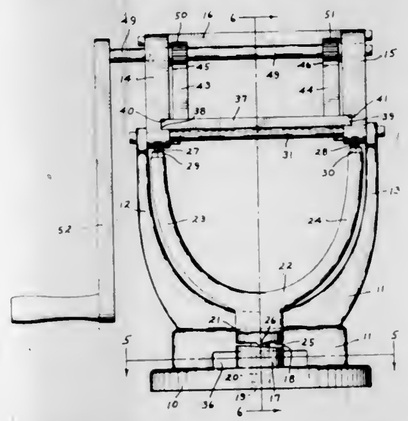
1. In an extruding apparatus, a die for subjecting stock being extruded to mechanical working to increase the temperature of said stock, said die having a core member provided with a plurality of sharply stepped sections of decreasing diameter in the direction of flow of the stock and a cooperating outer member having correspondingly stepped sections and defining with said core a tortuous passageway in which the stock passing through the die is repeatedly forced to make sudden changes in direction of flow.

2,581,770
ANTISKID DEVICE
Charles Bernard Pittinger, Baltimore, Md.
Application March 2, 1950, Serial No. 147,284
3 Claims. (Cl. 152—216)



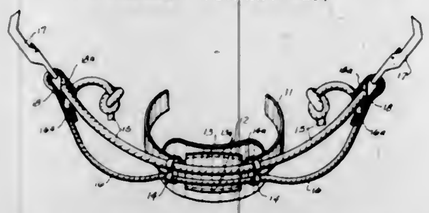
1. In a traction device for a vehicle wheel, comprising a plurality of anti-skid elements arranged in spaced relationship about the tread of the wheel, a free rotating positioning means for supporting the elements along and adjacent the tread of the wheel, means for simultaneously moving the elements radially and circumferentially to a collapsible position at a predetermined fixed location adjacent the upper portion of the wheel, said element moving means comprising an operating unit having an electrically operated gear mechanism rotatably supported adjacent the outer surface of the wheel including a plurality of disks having a common axis carried by said unit, two of the said disks being in the form of internal ring gears adapted to be rotated by the said gears in opposite directions, means for pivotably connecting two adjacent arms to each of the rotated disks and means for connecting each of the remaining arm members to a separate free-floating outer disk and to each other, means adjacent one end of the said arm members for pivotably receiving one end of the anti-friction elements and means located on the inner side of the hub for supporting a plurality of free-floating disk elements and means on each of the said inner disks for pivotably attaching the opposite ends of the anti-friction elements thereto.

2,581,771
SHOE SOLE CUTTING OFF DEVICE
George Louis Riecken and George Carl Riecken, near Evansville, Ind., assignors to Schnacke Manufacturing Corporation, Evansville, Ind., a corporation of Indiana
Application October 8, 1949, Serial No. 120,344
2 Claims. (Cl. 12—17)



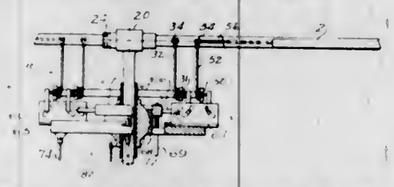
1. A device for transversely cutting off in situ shoe soles for replacement purposes comprising a relatively vertically rockable and horizontally disposed knife bed; a cutting off knife; side frames guiding said knife in a horizontal direction toward and away from said bed; means spaced above and to the sides of said knife for reciprocating it; and means supporting said bed and said knife to provide clearance thereunder of a shoe in upside down relation with the sole thereof passed under said knife and over said bed; said knife bed being rockably supported by its ends adjacent its side farthest removed from said knife; and means for rocking said bed, comprising a forked member having upper horizontally spaced arms presented under rear end portions of the bed, a post extending downwardly from the forked member, a base having a bore receiving said post, a cam sleeve circumferentially revoluble about said post between the base and the forked member, and a cam follower on said forked member.

2,581,772
SAFETY BELT
Clarence W. Rose, Denver, Colo., assignor to Rose Manufacturing Company, Denver, Colo., a partnership
Application October 4, 1946, Serial No. 701,366
3 Claims. (Cl. 227—49)



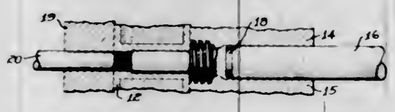
1. A safety device including a belt, means carried by the belt having eyes for slidably securing ropes to the belt, a substantially non-stretchable service rope secured by some of said eyes, a safety rope of drawable material in an undrawn state, secured by other of said eyes, said undrawn drawable material being of a character which can be permanently elongated to a length substantially greater than its undrawn length, anchorage terminals at the ends of said ropes, and a link engaging an end of the service rope to a terminal, said link being adapted to sever and release the rope responsive to a predetermined pull as caused by the fall of the wearer of the belt, said safety rope being directly secured to said terminal.

2,581,773
AIRCRAFT ROTOR BLADE AND BLADE FLAP PITCH CONTROL
Edward A. Stalker, Bay City, Mich.
Application November 2, 1945, Serial No. 626,293
3 Claims. (Cl. 170—160.25)



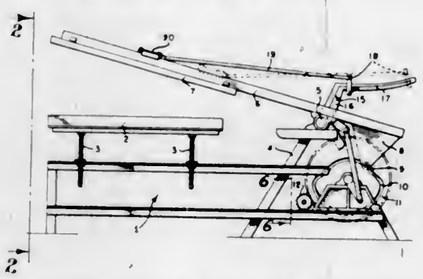
1. In combination, in an aircraft, a blade supported for rotation about an upright axis and for pitch adjustment, said blade having an adjustable flap, means operable cyclically to adjust the pitch of said blade, additional means for cyclically adjusting the attitude of said flap relative to said blade separately from said pitch adjustment, and means for coordinating the operation of one of said adjusting means with the other.

2,581,774
METHOD AND APPARATUS FOR PRODUCING VALVE STEMS
Harry F. Stone and Harry L. Gibson, Los Angeles, Calif.
Application September 15, 1947, Serial No. 774,166
12 Claims. (Cl. 219—3)



11. In the method of manufacturing valve stems having a portion thereon of enlarged diameter from original stock material of reduced diameter, the steps comprising; fluting one end of said stock material, heating an intermediate portion of said material to render said intermediate portion plastic, and then squeezing said plastic portion into the shape of said portion of enlarged diameter while maintaining said stock material from rotating about its longitudinal axis by the fluting formed thereon.

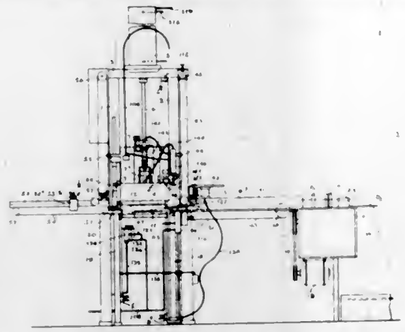
2,581,775
SCREEN PRINTING MACHINE
Louis R. Wade, Los Angeles, Calif.
Application September 4, 1948, Serial No. 47,878
4 Claims. (Cl. 101—123)



2. A screen printing machine, comprising: a frame structure, including a work supporting means at the forward portion of said frame structure and a main journal means rearwardly of said work supporting means; a printing screen carrier pivotally mounted on said main journal means and adapted to move a printing screen between a lower printing position and a raised position; a squeegee carriage mounted on said carrier for forward and rearward movement across said printing screen, said squeegee carriage including a squeegee element, means coacting with said squeegee element to support a quantity of ink, and means for causing said squeegee to contact said printing screen and operate thereon during movement in one direction and to raise from said screen during movement in the opposite direction; and a drive means for said carriage including a lever pivotally mounted on the axis of said main journal means and having an arcuate arm and a strut extending therefrom to said carriage, said strut adjustable on said arm to vary the stroke of said carriage, the locus of said arcuate arm being in approximate coincidence with the forward edge of said printing screen when said screen is in its operating position and said carriage is in its forward position whereby regardless of the point of connection of said strut with said arm, the forward position of said carriage remains substantially unchanged.

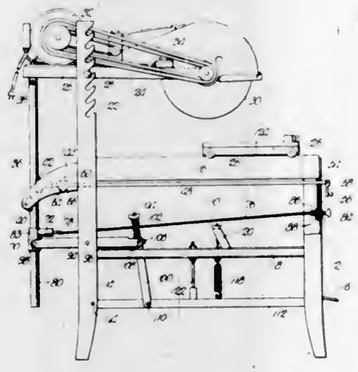
2,581,776
BALING MACHINE
Richard Edgar Wallace, deceased, late of Toronto, Ontario, Canada, by Frances N. Wallace, executrix, Toronto, Ontario, Canada, and Thomas R. Sykes, Toronto, Ontario, Canada, assignors, by mesne assignments, to The Toronto Star Limited, Toronto, Ontario, Canada
Application May 31, 1946, Serial No. 673,375
17 Claims. (Cl. 100—31)

1. In a baling machine, the combination with a ram and bed plate of a reciprocating press, a slotted guide for directing wire under a bundle placed on the bed plate means for folding the wire around the bundle when compressed by the ram and means for welding the meeting ends of the wire together, of a pair of rolls for gripping and feeding the wire along said slotted guide, a motor connected to drive said feed rolls, a clutch interposed between said motor and feed rolls, a solenoid operatively connected with said clutch means for energizing said solenoid, and an electrical circuit for controlling the operation of said solenoid said latter means comprising a plurality of switch mechanisms connected in said electrical circuit and arranged in the path of move-



ment of the wire to be operated by the wire, at least one of said switch mechanisms being movable longitudinally of the wire path to assume a control position in accordance with the movement of said ram, and means imparting movement of said ram to said slidable switch to move same inwardly toward said bed plate corresponding to the downward travel of said ram, one of the other of said switch mechanisms being arranged to maintain said electrical circuit inoperative to feed wire to said sliding switch until said ram has engaged a bundle.

2,581,777
COMBINATION CONNECTING AND STABILIZING BAR FOR MASONRY SAWS
Harold J. Wright, Kansas City, Mo., assignor to Clipper Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application November 8, 1948, Serial No. 58,837
2 Claims. (Cl. 125—13)



1. In power saw construction having a swingable cutter head, an elongated member depending from the cutter head at one end thereof and pivotally connected thereto, and a swingable lever for reciprocating the member to swing the cutter head; means joining the lever to the member at selected positions along the length thereof, said means comprising a sleeve circumscribing the member, said member having a row of spaced openings formed therein and extending longitudinally thereof; a spring loaded plunger carried by the sleeve and adapted to be received by any one of said openings; and means pivotally joining the lever and the sleeve.

2,581,778
SECTIONAL RECEPTACLE
Lewis Douglas Young, Providence, R. I., assignor to Douglas Young, Inc., a corporation of Rhode Island
Application March 5, 1947, Serial No. 732,393
1 Claim. (Cl. 220—4)



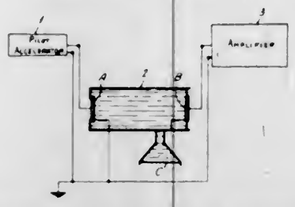
A receptacle for an article of manufacture comprising a pair of sheet stock members detachably connected together, said members being in strip form and having their opposite edges in contact and one of said members being shaped to cause its wall to be spaced from the other member for the reception of an article between said members, the opposite edges of one member being turned inwardly in spaced relation to provide grooves and the edges of the other member being formed with flanges having portions turned inwardly on themselves along parallel fold lines with said inwardly bent portions lying in face contact with said one member and a plate extending from fold line to fold line between said flanges to block their moving inwardly toward each other for separation of the members.

2,581,779
SCOURING PAD AND PROCESS OF MANUFACTURING THE SAME
Lewis Crowford Abraham, Auderghem-Brussels, Belgium
Application July 16, 1947, Serial No. 761,319
In Belgium October 28, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires October 28, 1960
9 Claims. (Cl. 15—209)



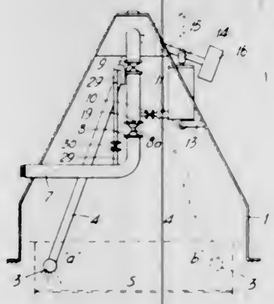
1. A method of making a scouring pad comprising rolling upon itself from both ends inwards a tubular section of wire net thus forming two adjoining rolls, turning said rolls inside out, constricting the annulus thus obtained, and securing it at the constriction.

2,581,780
METHOD AND MEANS FOR PHASE AND FREQUENCY MODULATION
Georges Charles Ahier, Montmorency, and Paul Buffet, Saint-Didier-au-Mont-d'Or, France
Application October 15, 1946, Serial No. 703,382
In France October 23, 1945
9 Claims. (Cl. 332—2)



1. A method for transmitting intelligence consisting in generating high frequency electric carrier waves, transducing said carrier waves piezoelectrically into supersonic waves, retransducing said supersonic waves back into high frequency oscillations and modulating the operative length of travel of the supersonic waves in accordance with the intelligence to be transmitted.

2,581,781
APPARATUS FOR AUTOMATIC PERIODIC CLEANING OF STRAINING MEMBERS
Sten Eskil Einarsson Ahlfors, Hedemora, Sweden
Application December 18, 1947, Serial No. 792,460
In Sweden May 17, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 17, 1966
6 Claims. (Cl. 299—66)



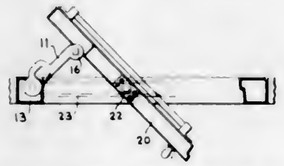
1. An apparatus for cleaning strainer members comprising in combination a sprinkler tube suspended as a pendulum, a source of water under pressure, connections between said source and said sprinkler tube, a valve in said connections, an automatic control device operably connected with said valve comprising a swingable scoop, a counterweight for counterbalancing said scoop, means for supplying water to said scoop to cause it to overbalance its counterweight and swing downwardly and thereby open said valve for supplying water to said sprinkler tube, a hydraulic power unit actuated by water from said valve for swinging said sprinkler tube over said strainer member to clean the latter by water discharged from said sprinkler tube, the downward swinging of said scoop causing it to tip and discharge the water contained therein, whereupon the counterweight swings the scoop upwardly and closes said valve so as to cut off the supply of water to said sprinkler tube.

2,581,782
ADJUSTABLE EXTENSION DEVICE
Irvin B. Anderson, Oneonta, N. Y.
Application June 3, 1949, Serial No. 96,839
1 Claim. (Cl. 228—63)



An adjustable extensor device adapted for a ladder, which comprises a hanger tube, having spaced openings therein, adapted to be secured to the bottom of a stile of said ladder, an extensor tube, having a longitudinal seam, with spaced openings therethrough along one side thereof, and oppositely-disposed spaced openings along said seam, said extensor tube being slidably disposed within said hanger tube, the distances between the openings in said hanger tube and said extensor tube being different, whereby movement of said extensor tube will align openings therein with openings in the hanger tube, and a locking pin of greater diameter than the openings along said seam adapted to enter said openings and to expand the extensor tube against the hanger tube, said device being so constructed and arranged that the ladder can be placed firmly in proper position on irregular, inclined and stepped surfaces.

2,581,783
BALANCED DOOR ORGANIZATION WITH PRESSURE RELEASE
Wilmot S. Bates, Jamestown, N. Y., assignor to Ellison Bronze Company, Inc., Jamestown, N. Y., a corporation of New York
Application March 24, 1948, Serial No. 16,766
10 Claims. (Cl. 20—16)



1. A balanced door organization comprising a door adapted to be mounted in a door frame, a pair of arms, means pivotally mounting one end of each arm to a door frame, means pivotally mounting the other end of each arm to the door at a point between the vertical edges thereof, a channel having guiding walls adapted to be mounted on the cornice of a door frame above the door, a guide means secured to the door at a point spaced from the pivot means for the arm and movable in the channel whereby the arms swing inwardly and the door is adapted to normally open and close with a compound sliding and swinging movement, a movable section in the wall of the channel at the position of the guide means when the door is closed, and means retaining the movable section in alignment with the channel wall and releasable upon pressure being exerted upon the door to pass the guide means therethrough whereby the arms and door swing outwardly upon the door frame pivotal mounting means.

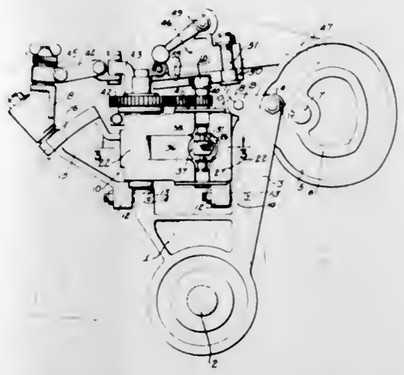
2,581,784
SIGNAL ATTACHMENT FOR FLASHLIGHTS
Frederick E. Burdick, New London, Conn.
Application February 2, 1950, Serial No. 141,894
2 Claims. (Cl. 177—329)



2. Signal means attachable to the lamp end of a flashlight comprising a sheet of foldable light-penetrable material rolled into a generally tubular section adjacent one end thereof with the opposite edges overlapping, said generally tubular section being disposable about the lamp end of a flashlight, a band embracing said tubular section and said lamp end to securely clamp said tubular section to said lamp end, the other end of said sheet providing a generally cylindrical skirt extending beyond the lamp end of the flashlight, said skirt beng braced in extended position by clamping engagement of said tubular section and the casing of the flashlight and said skirt being foldable over the lamp end against the casing to permit compact storage of the flashlight and signal means while operatively connected.

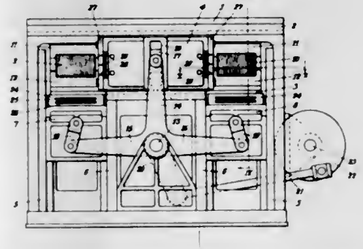
2,581,785
PEACH PITTING HEAD
William de Back and Frederick H. Luhdorff, San Jose, Calif., assignors to Pacific Machinery Company, San Francisco, Calif., a corporation of California
Application September 24, 1946, Serial No. 698,998
6 Claims. (Cl. 146—28)

1. An apparatus for pitting fruit which has been previously halved, comprising: a fruit contact plate for supporting the pit side of a fruit half and including a pit support surrounded by an annular aperture, said fruit contact plate also defining a window at one side of said pit support communicating with said aperture; a pitting knife lever pivotally mounted behind said plate and including a ramp plate fitting said window and movable between a recess and flush relation with said fruit contact plate; and an oscillatable pitting knife carried by said lever and movable between a retracted position and an extended position wherein said pitting knife is adapted to be



moved through a path circumscribing the pit of a fruit half overlying said aperture.

2,581,786
MACHINE FOR CUTTING MATCH SPLINTS OR THE LIKE
Paul Wilhelm Dietmann, Jonkoping, Sweden, assignor to Aktiebolaget Siefvert & Fornander, Kalmar, Sweden, a Swedish joint-stock company
Application April 2, 1946, Serial No. 659,059
In Sweden November 30, 1944
6 Claims. (Cl. 144—50)

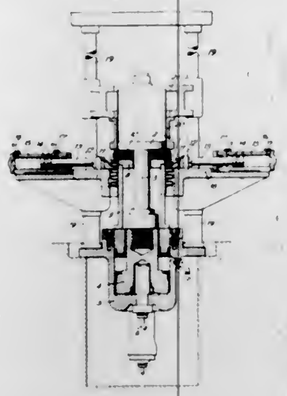


1. A splint cutting machine, comprising in combination, a supporting frame-work having means for holding a wooden block in a definite position with respect to its grain direction, a slide mounted for reciprocation in said direction, a set of length-scoring knives carried by said slide, a second slide movable perpendicularly to the path of said first slide, a set of cross-scoring knives carried by said second slide, a splint severing knife also carried by said second slide, and extending in a plane parallel to the path thereof.

2,581,787
MANUFACTURING HIGHLY RESILIENT CORRUGATED TUBES
Albert Dreyer, Lucerne, Switzerland
Application December 4, 1946, Serial No. 714,034
In Switzerland December 27, 1945
1 Claim. (Cl. 153—73)

The method of manufacturing highly resilient corrugated tubes by successively forming corrugations in an axially advancing thin-walled metal tube, the steps comprising cupping a preliminary corrugation in a portion of the tube by apply-

ing elastic pressure from the inside of the tube to the portion to be cupped while clamping immovable the tube ahead of the preliminary corrugation to be formed whereby the tube material in the rear of the corrugation to be formed is drawn axially towards the corrugation being formed during such cupping, axially upsetting the



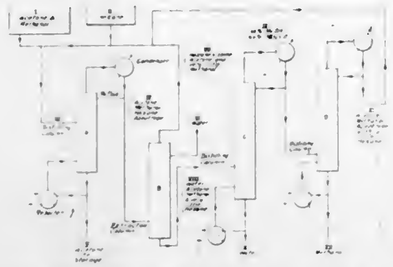
cupped preliminary corrugation, and maintaining the said elastic pressure during the initial phase of upsetting only, and effecting the final phase of upsetting without internal elastic pressure, the length of material used in forming the preliminary corrugation being the same as the length of the material contained in the final corrugation.

2,581,788
PARKING LOT WAY CONTROL
Fred P. Dunn, Glendale, Calif.
Application September 17, 1946, Serial No. 697,582
20 Claims. (Cl. 39—6)



10. Control mechanism for an automobile parking area having a way through which automobiles may pass in opposite directions, comprising a barrier normally projecting upwardly in said way from adjacent the ground to a vehicle arresting position, means mounting the barrier for swinging movement about an axis extending generally horizontally across the way and near the ground so that the barrier may be swung downwardly in opposite directions by automobiles passing through the way in opposite directions, holding means for releasably maintaining said barrier against said downward swinging movement in one of said directions while permitting downward swinging movement in the opposite direction to thus permit automobile passage in only one direction through the way, and coin controlled mechanism operatively connected to said holding means and operable upon reception of a coin to release the holding means and permit the passage of an automobile in the other direction through the way.

2,581,789
AZEOTROPIC DISTILLATION OF METHANOL AND ACETONE WITH HEXANE
Sylvan E. Forman, Baltimore, Md., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia
Application April 11, 1949, Serial No. 86,641
5 Claims. (Cl. 202—42)



1. The method of separating acetone from methanol, where the two are present in admixture, comprising mixing the said admixture with hexane, distilling the resultant mixture with refluxing at a head temperature of 47° C. and separating out an overhead fraction composed of methanol, acetone and hexane and a residual fraction composed of a substantially pure constituent of the initial admixture.

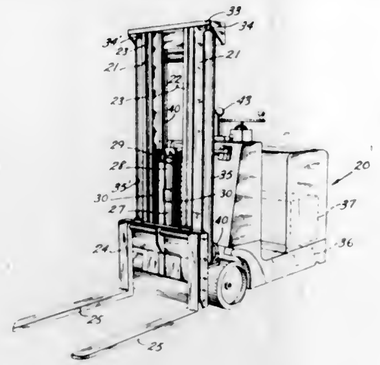
2,581,790
INDUSTRIAL AND PAPERMAKER'S FELT
Percival T. Gates, Suffield, Conn., assignor to Drycor Felt Company, Belleville, N. J., a corporation of New Jersey
Application March 1, 1948, Serial No. 12,303
6 Claims. (Cl. 28—79)



1. A paper maker's felt for supporting and draining paper making material, comprising a woven felt base and a non-woven nap cushion at one side of said base interlockingly needled thereto, said base consisting of warp and weft yarns of fullable fiber material felted together by fulling preliminarily to the needling of said nap cushion thereto to provide a felted fibrous body for interlockingly receiving the needle directed fibers of said nap cushion, said nap cushion consisting of a fleece of unwoven fibrous material, the individual fibers of which are disposed partially at said one side of said felt base in the form of a nap cushion and partially through said felted base in a direction perpendicular thereto to direct drainage through said felted fibers of the base in a direction following the direction of said needled fibers.

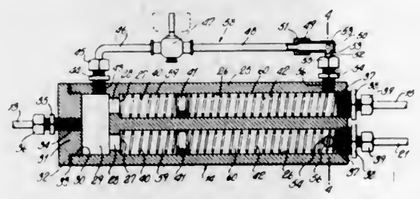
2,581,791
INDUSTRIAL LIFT TRUCK
Wilbert M. Gilman, Wellesley Hills, Mass., assignor to Lewis-Shepard Company, Watertown, Mass., a corporation of Massachusetts
Application June 18, 1949, Serial No. 100,018
13 Claims. (Cl. 187—9)

13. A hydraulic lift-truck comprising a truck body, a mast having a main portion and an extension movable longitudinally on the main portion, a load-carrier movable longitudinally on said extension, a ram carried by and movable with said extension and the plunger of which is operatively related to the load-carrier to lift the latter on said extension, a second ram supported on the main portion of said mast and the plunger of which is operatively related to said extension to elevate the latter on the main portion of said mast, a reservoir, a conduit connecting the res-



ervoir with the cylinder of said second ram, and a conduit connecting said cylinder with the cylinder of the other ram, and characterized by this: that the conduit connecting said cylinders passes through the plunger of said second ram, and that the extension of said mast, the cylinder of the first named ram, and the plunger of said second ram are rigidly connected together so as to move as a single integrated unit.

2,581,792
EXPANSION AND SAFETY DEVICE FOR HYDRAULIC BRAKE SYSTEMS
Guy Clifford Goodell, Jr., Worcester, Mass., assignor to Safety Hydraulics Company, a partnership, Framingham, Mass.
Application April 5, 1950, Serial No. 154,048
9 Claims. (Cl. 60—54.5)



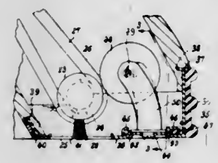
1. An expansion and safety device for use with hydraulic braking systems comprising a plurality of cylinders each having an inlet end and an outlet end, an inlet chamber common to and communicating with the inlet end of each of said cylinders, a sealing piston in each cylinder disposed for movement along the longitudinal axis thereof while sealing the spaces within the cylinder on either side of the piston from one another, a first spring disposed in each cylinder between the sealing piston thereof and the inlet end thereof to urge said sealing piston resiliently away from said inlet end, a second spring disposed in each cylinder between the outlet end thereof and said sealing piston thereof to urge the latter resiliently away from said outlet end, a port opening into each cylinder adjacent said outlet end, a check valve for each port to allow fluid flow therethrough only into its respective cylinder, a by-pass line including a shut-off valve therefor connecting said common inlet chamber and each of said ports, an inlet passage communicating with said common inlet chamber, and an outlet passage for each cylinder communicating with said outlet end thereof.

2,581,793
CHAIR WITH FLEXIBLE SEAT
Rolo D. Hill, Los Angeles, Calif.
Application July 10, 1945, Serial No. 604,178
3 Claims. (Cl. 155—187)



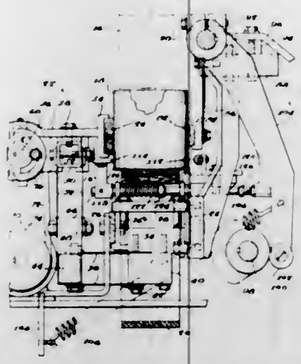
1. In a collapsible chair, a pair of seat rails each having a pair of longitudinally extending grooves therein, the interiors of said grooves being larger than their entrances, a flexible element having longitudinally extending enlargements along its side edges receivable in the innermost grooves only in the seat rails, a seat cover having longitudinally extending enlargements along its side edges receivable in the outermost grooves only in the seat rails, and a cushion between the flexible element and the seat cover, the enlargements of the flexible element and the seat cover being formed by enclosing lengths of rope.

2,581,794
SUCTION CLEANER WITH CARPET BEATER AND BRUSH
Gordon Francis Hodges, London, England, assignor to Ferguson Radio Corporation Limited, London, England, a company of Great Britain
Application February 19, 1948, Serial No. 9,419
In Great Britain January 23, 1947
7 Claims. (Cl. 15—364)



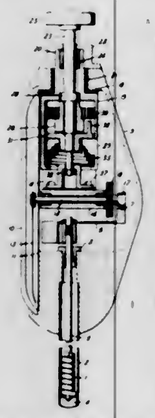
1. A vacuum cleaner including a motor, a suction fan drivably connected to said motor, a suction nozzle communicating with said fan, a bottom plate partly covering the mouth of said nozzle and having an aperture, a brush mounted in said nozzle for rotation about a horizontal transverse axis and for engagement through said aperture with a carpet over which the cleaner is moved, a beating attachment mounted on the cleaner for oscillation about a horizontal axis which is parallel to the brush axis and close to the ground level, said beating attachment constituting a part of said bottom plate hinged about a horizontal axis to the remainder of the bottom plate and including a beating member displaced horizontally from the axis of oscillation so that the beating action is substantially perpendicular to the carpet, and means for causing the motor to rotate the brush and to impart oscillation to the beating attachment.

2,581,795
CONTAINER FILLING AND MATERIAL SETTLING MACHINE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application April 24, 1947, Serial No. 743,585
9 Claims. (Cl. 226—72)



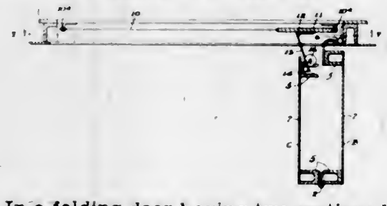
8. In a packaging machine, in combination, container filling means, means for supporting a container in operative position to be filled, and means for vibrating the container during the filling operation to effect settling of the material as it is deposited therein comprising a vibratory member engageable with the container, means for supporting said vibratory member including spaced vertically disposed thin flexible metal supporting members and a flexible mounting therefor, means for vibrating the vibratory member in a substantially horizontal plane, and cooperating means for firmly clamping the container to said vibratory member whereby to effect shaking of the container in unison with said vibratory means while supported on said supporting means.

2,581,796
TEMPERATURE MEASURING DEVICE
Willem J. B. Jansen, Haarlem, Netherlands
Application October 21, 1946, Serial No. 704,665
11 Claims. (Cl. 73—367)



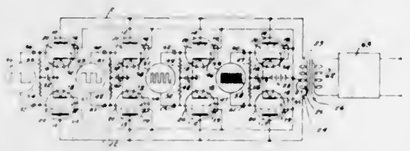
1. Mechanism for indicating the movement of a measuring element of low torque and of the type including a measuring system and an indicating system normally disconnected from each other to permit free movement of the measuring system, manually controlled means for coupling said systems through a motion-transmitting mechanism, and operating means for actuating said motion-transmitting mechanism to an extent dependent upon the free movement of said measuring system; characterized by the fact that said operating means includes an operating member movable over a path of constant length on each actuation thereof, and said motion-transmitting mechanism includes a member carried by said measuring system and extending into the path of movement of said movable member of the operating means.

2,581,797
FOLDING VEHICLE DOOR CONSTRUCTION
John F. Jordan, Brownsville, Pa., assignor of twenty-four per cent to Louis S. Jordan and 24 per cent to Harry F. Jordan, Brownsville, Pa.
Application July 24, 1947, Serial No. 763,179
5 Claims. (Cl. 160—206)



2. In a folding door having two sections hinged together and a mounting hinge for connecting one of said sections to a supporting door frame for pivotal movement to and from a closed position, a control apparatus for controlling the folding movement of said doors as they are moved to and from a closed position comprising a carriage, a trackway on which said carriage is mounted for a guided rectilinear movement with respect to the door frame, and a control link having a first pivotal connection with said carriage and a second pivotal connection with the other of said sections.

2,581,798
METHOD OF PRODUCING ELECTRIC CURRENTS WITH CYCLIC WAVE FORM
Heinz Erwin Kallmann, New York, N. Y.
Application January 28, 1949, Serial No. 73,311
11 Claims. (Cl. 250—27)



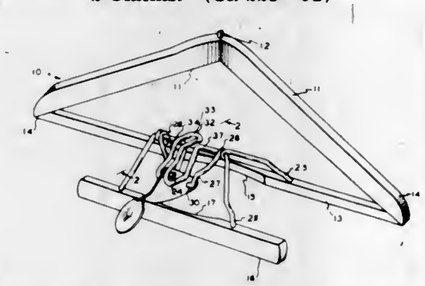
1. Method of producing an electric current with a cyclic wave form having a periodicity of n per second and having a substantially straight slant for at least part of each cycle, comprising the steps of adding several sequences of equal electrical square current pulses whose duration and amplitude in said sequences decrease as the terms of the series $\frac{1}{2}n$, said addition being carried out in such a manner that a change in polarity in the sequence of the longest equal electrical square current pulses at least approximately coincides in time with the change of polarity in all the other sequences of equal electrical square current pulses; and electrically attenuating all added sequences of equal square current pulses in such a manner that the attenuation rises with frequency so as to yield negligible output at and above twice the frequency of the shortest electrical square current pulses added.

2,581,799
LOGGING TONGS
Stephen Kramer, Greenville, Calif.
Application March 15, 1949, Serial No. 81,434
2 Claims. (Cl. 294—100)



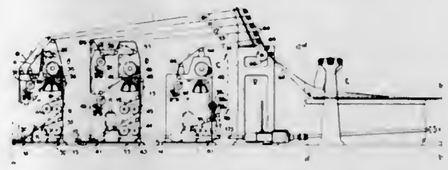
1. A log engaging device comprising a pair of confronting hook members each including an elongated shank and an inturned bill on one end thereof, a U-shaped slip block including a pair of spaced side arms and bight portion connecting said arms together at one end positioned adjacent to and spaced from the other ends of said shanks and having the free ends of the side arms facing and contiguous to said other ends of said shanks, there being a pair of converging passages in said slip block extending longitudinally inwardly from the face of said bight portion remote from said arms to and through said side arms adjacent to and spaced from the face of said bight portion contiguous to said arms, and a flexible member including spaced stretches, said stretches being slidably received in said passages and each having one end projecting beyond the free ends of the said side arms of said slip block and secured to the other end of the adjacent one of said shanks, the other ends of said stretches projecting beyond said bight portion of said slip block and secured together.

2,581,800
GARMENT HANGER CLAMPING MECHANISM
George M. Lane, Greensboro, N. C.
Application January 6, 1950, Serial No. 137,199
2 Claims. (Cl. 223—91)



1. For use in a garment hanger having a bar and a clamping bar; clamping mechanism mounted on said bar and secured to said clamping bar, said clamping mechanism including a camming means to move said clamping bar between open and closed position and to hold it in either open or closed position, said clamping mechanism comprising a generally U-shaped spring wire member having spaced apart legs secured in said bar, the side leg portions adjacent the bight of said U-shaped spring wire member being bent to provide a pair of spaced apart pivot openings and then bent downwardly providing a bight pivot, a lever having a pivot opening through which said bight pivot extends, said lever having an operating handle, a camming pin extending through said lever and spaced from said pivot opening, a second generally U-shaped spring wire member having spaced apart legs secured in said clamping bar, the upper ends of said latter legs being bent and extending through said bight pivot openings of said first spring wire member to points spaced apart a distance greater than the thickness of said camming lever and less than the length of said camming pin on said camming lever, said upper ends being then bent to form a camming triangle enclosing said camming pin, the base of said camming triangle limiting the pivoting movement of said camming pin in either direction, the sides of said camming triangle being abutted by said camming pin as said lever is pivoted so that the camming pin moving up one triangular side and down the other triangular side pivots the clamping bar in one direction and moving in the opposite direction pivots the clamping bar in an opposite direction thereby camming the clamping bar to either open or closed position and holding it in either open or closed position when in contact with the base of the camming triangle.

2,581,801
MULTIPLY BAG TUBING MACHINE
Marcel Lienart, Brussels, Belgium, assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application June 18, 1948, Serial No. 33,768
14 Claims. (Cl. 93—63)



1. In a machine for manufacturing multi-ply stepped-end paper bag tubes, the combination comprising a tube-former for folding a plurality of superposed paper webs as drawn therethrough into a multiply tube, pull rolls adjacent the exit of said tube-former for pulling the formed tube therethrough, a plurality of rotary perforators in advance of said tube-former for perforating said webs at bag length intervals along lines which will be in stepped relationship on the several webs when assembled, a plurality of glue applicators for then applying glue respectively to the surfaces of individual webs which are to face other superposed webs and along adjacent the lines of perforation thereon, a plurality of rollers around which the webs pass individually in travelling from said applicators to said tube-former, said rollers being arranged in spaced parallel positions with their axes substantially along a single plane, whereby a web passes

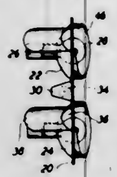
around each and then into superposed relation along such plane with the other webs which pass around others of said rollers respectively, and thence into said tube-former, a remote control mechanism common to all said rollers for adjusting the spacing thereof to vary the lengths of the paths of travel of said webs and consequently the stepping of the perforations thereon, and a remotely controlled clutch means for bringing said mechanism into operative relationship with said rollers selectively for such adjustment thereof while the machine is running.

2,581,802
HEADREST
Allan J. Lyons, Glendale, Calif.
Application September 16, 1949, Serial No. 116,185
1 Claim. (Cl. 155—174)



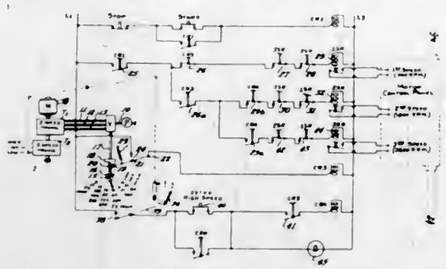
A headrest comprising a resilient frame, and a resilient fabric band detachably connected at its opposite ends to said frame at respectively-opposite ends of the latter, said frame comprising a rectangular base portion, legs extending upwardly from each rear corner of said base portion, and closed loops projecting forwardly from said legs at respectively-opposite ends of the frame, said loops being of elongated shape and disposed in spaced-apart, substantially-parallel relationship to each other and in spaced, substantially-parallel relationship to the respectively-adjacent ends of said frame base portion, and said band comprising a piece of webbing having its ends secured together to provide a continuous band of double thickness, said band bodily receiving said frame loops at the respectively opposite ends of the band and being stretched between said loops.

2,581,803
SIGNAL LANTERN
Valdemar Becker Madsen and Anna Kirstine Cathrine Adele Becker Madsen, Holte, Denmark
Application November 12, 1947, Serial No. 785,396
In Denmark May 24, 1947
2 Claims. (Cl. 177—329)



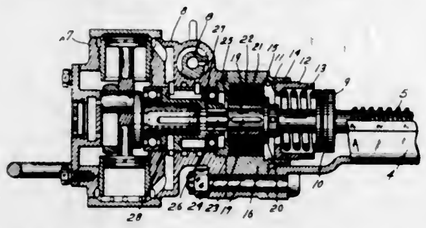
1. A signal lantern comprising a lantern casing and an illuminant, said illuminant comprising a lamp, a reflector in which said lamp is placed, an arched transparent cover in the shape of a spherical calotte disposed at an angle to the axis of the said reflector and located on an obliquely cut off cylinder wall pressed integral with the said calotte, said reflector and said lamp being closely behind said cover, the base of said cylinder being level with the front of the lantern, the side wall of said reflector being provided with a recess opposite the highest part of said cylinder wall, a reflecting surface extending from the said recess towards the rear of the lantern casing and facing outwards towards the side of the lantern, a further transparent cover being fitted in the side wall of the lantern casing, opposite the said reflecting surface.

2,581,804
MACHINE TOOL DRIVE
Graham E. Marx, Cincinnati, Ohio, assignor to The G. A. Gray Company, Cincinnati, Ohio, a corporation of Ohio
Application December 8, 1950, Serial No. 199,821
4 Claims. (Cl. 74—472)



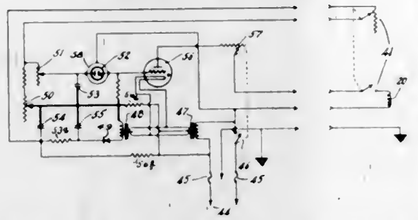
1. In a machine tool speed change device, a speed control device at a single location, a plural speed drive, two separate speed change devices, one driving into the other, and each arranged to provide three different speeds, said speed control device having means for operating the elements of the two separate speed change devices selectively, means for effecting selectively a change in speed of said plural speed drive associated with one of said means, enabling means arranged for actuation by the other of said means to permit said plural speed drive to operate at yet another speed, and means for closing a circuit to cause said plural speed drive to operate at said last mentioned speed.

2,581,805
FEEDING DEVICE
Louis A. Maxson, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application October 2, 1944, Serial No. 556,801
8 Claims. (Cl. 255—45)



1. In a feeding device, a rotatable feed screw having a feed nut thereon and threadedly engaged therewith and movable along said feed screw in one direction or the other by rotation of said feed screw in one or the other direction, means for mounting said feed screw for limited axial movement, means for yieldingly maintaining said feed screw in a forward position relative to its mounting means except when excessive feeding pressures exist, means for driving said screw to cause the same to move said feed nut therealong, and means controlled automatically by rearward axial movement of said screw on its mounting means for braking rotation of said screw including a brake for said feed screw and means for applying said brake including a brake applying element operatively connected with said feed screw for movement by the latter, as the latter moves rearwardly against the resistance of said yieldingly maintaining means, to effect brake application.

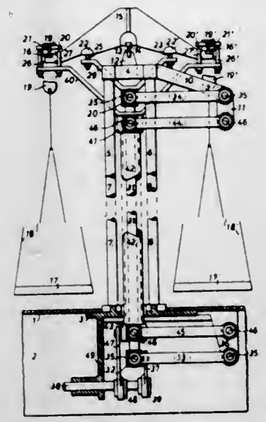
2,581,806
POWER SUPPLY MEANS FOR PERCUSSOR APPARATUS
Robert C. McShirley, Glendale, Calif.
Application March 5, 1948, Serial No. 13,165
3 Claims. (Cl. 318—130)



1. A power supply unit for a percussion apparatus having a reciprocable, solenoid actuated element; said unit comprising an input lead attachable to a source of alternating current, an output lead attachable to the actuating coil of a percussion apparatus, and means electrically interconnecting said leads and operative to convert input alternating current into an output current comprising a succession of separate, undirectional, electrical impulses; said means comprising a thermionic rectifier tube having a grid, a cathode, and an anode; said cathode being connected to said input lead and said anode being connected to said output lead, a half wave rectifier interposed between said input lead and said grid, a diode comprising a pair of spaced electrodes in a gas filled envelope connected in series between said half wave rectifier and said grid, and means for intermittently reducing the resistance of said diode comprising a conductor having one end thereof connected to said input lead and having the other end thereof terminating in a loop spaced from and surrounding said diode in the region of said electrodes and effective at the instants of peak voltages of input alternating current to create an electrostatic field in the region of said electrodes with resultant reduction of the resistance between said electrodes and initiation of current flow from said half wave rectifier to said grid at such peak voltage instants.

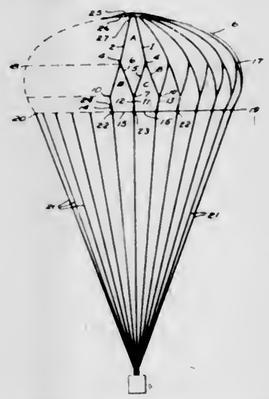
2,581,807
ANALYTICAL BALANCE
Erhard Karl Mettler, Zollikon, Zurich, and Johann Meier, Kusnacht, Zurich, Switzerland
Application September 21, 1950, Serial No. 185,992
In Switzerland May 17, 1950
11 Claims. (Cl. 265—54)

1. An analytical balance, comprising a balance beam, a pan system, said balance beam having a centre knife edge for its support and an outer knife edge for suspension of the pan system therefrom, a carrier, a counter-bearing on said carrier for supporting the centre knife edge of the balance beam during operation, and an arrestment for relieving the knife edges on said balance beam from load, said arrestment including a movable part directly provided with lifting members to lift the pan system suspended on the balance beam, articulated levers for guiding said movable part, and bearings with



which said articulated levers are arranged one above the other and linked on the one hand to said carrier and on the other hand to said movable part.

2,581,808
PARACHUTE
Harold J. Moran, Trenton, N. J., assignor to Switlik Parachute Company, Inc., Trenton, N. J.
Application January 11, 1950, Serial No. 137,960
6 Claims. (Cl. 244—145)

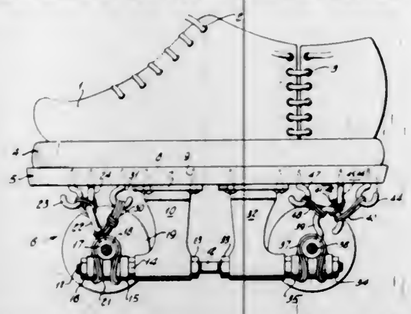


4. A parachute canopy comprising a plurality of top sections having downwardly divergent side edges and convergent intersecting edges extending downwardly from the lower ends of said divergent edges, a plurality of bottom sections secured to said convergent edges of said top sections and having edges converging upwardly and edges converging downwardly from said last mentioned edges.

2,581,809
ROLLER SKATING SUSPENSION SKATES
Alan E. Murray, New York, N. Y.
Application March 5, 1947, Serial No. 732,595
17 Claims. (Cl. 280—11.28)

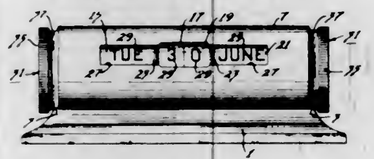
1. A roller skate suspension comprising a skate plate and a chassis having rollers thereon, an axle for the rollers, stretchable means for elas-

tically suspending the plate and its associated chassis parts from said axle so as to be stretched by the force of the skater, and an elastic com-



pression-resisting member located on a chassis part adjacent to and normally in a position delimited by the axle to resist shock between the axle and said chassis.

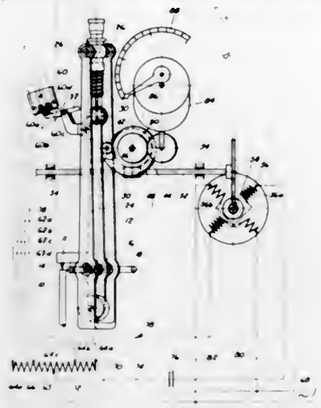
2,581,810
DRUM TYPE, ROTARY, PERPETUAL CALENDAR
Edgar B. Nichols, Moorestown, N. J.
Application July 16, 1946, Serial No. 683,867
5 Claims. (Cl. 40—114)



1. A perpetual calendar comprising a housing open at one end and having a cylindrical bore, said housing being provided with sight openings, a pair of drums rotatably carried within said bore for rotation therein independently of each other, said drums having calendar designating indicia thereon visible through said openings, and a single drum operating member extending into said housing through said open end thereof for coaction with either one or the other of said pair of drums at a time, said member including a closure element for said open end adapted to be grasped by the hand for movement of said member at will axially along said housing in one direction to bring it into coacting relation with said one drum and to simultaneously withdraw it from coacting relation with said other drum, and being movable in the opposite direction to bring it into coacting relation with said other drum and to simultaneously withdraw it from coacting relation with said one drum, and said member being also rotatably carried by said housing whereby it is adapted, upon being manually rotated, to effect rotation of that one of said drums with which it has coacting relation at any time.

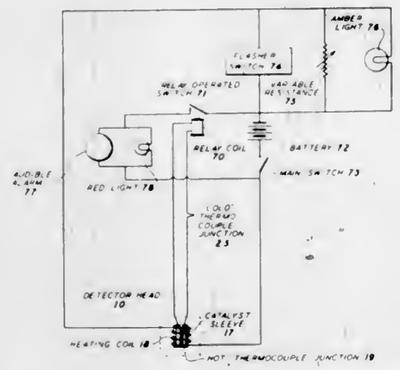
2,581,811
BALANCING MECHANISM FOR PRESSURE LOGS
Edvin Mauritz Österman, Stockholm, Sweden, assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden, a corporation of Sweden
Application March 21, 1949, Serial No. 82,518
In Sweden April 10, 1948
2 Claims. (Cl. 318—32)

1. A balancing mechanism for pressure logs, comprising a shaft, a balancing beam rotatable about the axis of said shaft, means to impart a turning moment proportional to the pressure of speed to be measured by the log to said balancing beam, a transferring arm mounted rotatably in coaxial relation to said shaft, spring means connected between the balancing beam and a place on the transferring arm, a rotatable cam, a motor



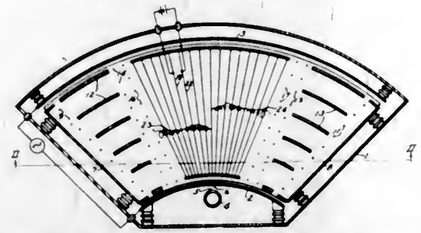
for rotation of said cam, and a switch controlled by the balancing beam and controlling the motor, said cam being designed to strain the spring by actuating the transferring arm at a point located at the same end of the transferring arm as said place, whereby said arms acts as a single-armed lever.

2,581,812
FLAMMABLE GAS DETECTOR
Carl M. Page, Van Nuys, Calif.
Application October 18, 1948, Serial No. 55,221
5 Claims. (Cl. 23—255)



1. In indicators for combustible gas having a catalyst for the combustion and electrical heating means disposed adjacent the catalyst to heat the catalyst and activate it, the combination which comprises a thermocouple having one junction adjacent the catalyst and its other junction remote therefrom, current indicating means connected to the thermocouple, a circuit for supplying heating current to the electrical means, a resistor in said circuit adapted to pass a small amount of current substantially continuously to the heating means, and a switch operated by-pass of the resistor in the circuit to supply additional current to the heating means when the switch is closed.

2,581,813
ISOTOPE SEPARATION
Gaylord W. Penney, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 8, 1943, Serial No. 486,185
12 Claims. (Cl. 250—41.9)

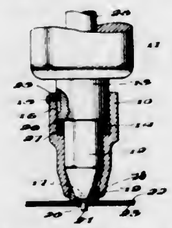


1. In an electrical discharge device, means for producing a substantially uniform direct-current magnetic field, means for producing an alternating divergent electrical field substantially at right angles thereto, means to furnish ions to the space occupied by said fields, and a collector electrode adapted to receive said ions moving through said field.

2,581,814
PREPARATION OF GLUTAMYL HISTIDINE
Albert A. Plentl, New York, N. Y., assignor to Ralph L. Evans, Bay Shore, N. Y.
No Drawing. Application October 4, 1947, Serial No. 778,033
4 Claims. (Cl. 260—112)

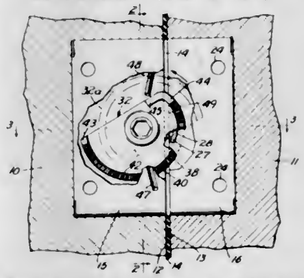
4. The process of preparing glutamyl histidine comprising reacting a histidine ester with a carboaralkoxy glutamic acid anhydride to obtain carboaralkoxy glutamyl histidine ester, saponifying and acidifying the reaction product to obtain a carboaralkoxy glutamyl histidine and reducing said compound to obtain glutamyl histidine.

2,581,815
EXPLOSIVE RIVET GUN TIP ASSEMBLY
Paul B. Rakowski, Jr., Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application March 9, 1949, Serial No. 80,491
1 Claim. (Cl. 218—19)



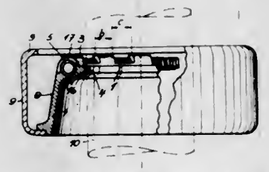
A tool for heating the head end of explosive rivets comprising a rivet heating gun having a main body portion, a tip member of high heat conductivity rigidly carried by said body portion and extending axially forwardly therefrom, said tip member having a forward portion of one diameter and a rear portion of a larger diameter providing an external circumferential shoulder, and heating means carried within the said body for heating said tip member to a relatively high temperature, a sleeve-like housing slidably carried directly on said tip member for only limited axial movement relative thereto, said housing including an internal circumferential shoulder in axial alignment with the shoulder of the tip member, and a seating ring of wear-resistant material secured to said housing and extending forwardly thereof and being provided with an opening extending axially therethrough whereby to provide a pressure surface surrounding said opening adapted for applying force axially forwardly directed, and spring means positioned between said shoulders normally urging said housing forwardly relative to said tip member, means for stopping such forward movement of the housing at a position wherein said tip member is spaced axially inwardly from said pressure surface, said gun being movable forwardly against the reaction of said spring means when said seating surface is held against forward movement whereby the forward end of said tip member will be moved into close proximity to said seating surface and into position to contact the head of such a rivet extending rearwardly into said opening for applying heat thereto.

2,581,816
FASTENER FOR BUTT JOINTS
Ernest Schlueter, Troy, N. Y., assignor to Simmons Fastener Corporation, Albany, N. Y., a corporation of New York
Application August 17, 1948, Serial No. 44,721
16 Claims. (Cl. 70—57)



1. A fastener comprising a cam housing having closely spaced side walls and a narrow open side adapted to be disposed adjacent a catch housing having opposed catches extended toward each other; a locking cam pivotally mounted in the cam housing and having a web parallel to the side walls, and peripheral cam flanges having lateral notches and smooth inner faces engageable with said catches; detents on the walls of the cam housing yieldably engageable with said notches.

2,581,817
PACKING RING
Otto Simmer, Mondsee, Austria
Application January 16, 1948, Serial No. 2,711
In Austria July 2, 1946
4 Claims. (Cl. 288—3)



3. In a liquid and dust seal for rotary and axially displaceable machine elements, comprising an annular housing fixed to the stationary machine part, a sleeve of elastic material fixed in said housing and provided with a sealing inturned flange which tightly encloses in a ring,

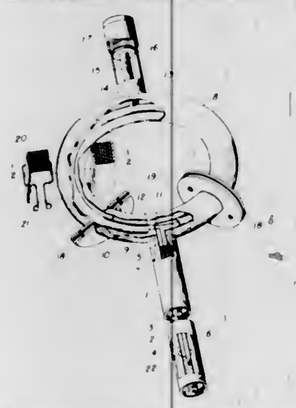
under the pressure of a coil spring stretched around said flange, the machine element to be sealed and an annular groove of round cross section provided on the outside face of said sealing flange and accommodating said spring, several retaining bows bridging said coil spring at several places, made from the material of the sealing flange and spaced from each other.

2,581,818
PLANING DEVICE
Charles H. Somerset, Hartford, Conn.
Application April 13, 1950, Serial No. 155,598
3 Claims. (Cl. 144—114)



1. A planing device comprising a table having a work supporting surface, a cutting blade extending through said table and having a cutting edge substantially on a plane with the said supporting surface, a guide plate for guiding a piece of work upon said surface, and means movably mounted on said guide plate for moving said piece of work towards and over the said cutting edge for a planing operation; said movably mounted means having a work engaging surface which is angularly adjustable to thereby retain said work at different angles with respect to said work supporting surface.

2,581,819
COAXIAL TERMINATION FOR NOISE DIODES
Malcom W. P. Strandberg, Cambridge, Mass.
Application September 20, 1949, Serial No. 116,737
12 Claims. (Cl. 315—39)

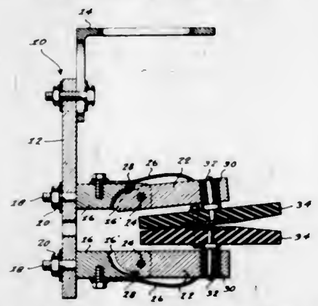


9. Means for supplying the filament current to a coaxial noise diode without disturbing the symmetry of the plate circuit thereof, said diode having an outer shell for its plate, an inner shell, and a central conductor within said inner shell, its filament being connected between said central conductor and said inner shell, said means comprising a coaxial structure attachable to said diode, said structure having coaxial members corresponding to said outer and inner shells and said conductor and constituting extensions thereof, said members dividing into rejoining arms to form a loop and being so connected electrically that the filament circuit follows a series path around said loop and the plate circuit follows a parallel path around said loop, a terminating resistance between the members forming the plate circuit where they rejoin and matching their impedance, and an induction device associated with one of said arms for inducing a current in said filament circuit.

2,581,820
SOLDERING FLUX
Benjamin M. Stright, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
No Drawing. Application June 1, 1949, Serial No. 96,631
7 Claims. (Cl. 148—23)

5. An essentially non-corrosive soldering flux for metals consisting of a liquid vehicle of water and alcohol including less than one percent by weight of a wetting agent, and lactic acid and urea in said vehicle acting jointly as fluxing agents and constituting by weight a minor proportion of the total flux, the said lactic acid being in greater proportion than the said urea.

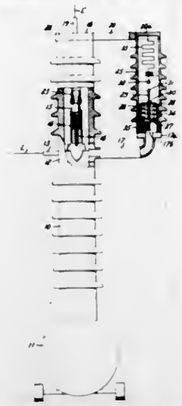
2,581,821
SELVAGE OPENING MEANS
James C. Sutton, Lyman, S. C.
Application December 12, 1949, Serial No. 132,585
6 Claims. (Cl. 26—65)



1. Means of the character described for maintaining a traveling fabric web transversely taut and for removing curl from the selvages or side edges of said web, said means comprising pairs of resilient disc elements arranged with the discs of each pair disposed generally in face-to-face relation and with each disc supported independently for rotation about its center, means for adjusting the axis of rotation of each disc in angular relation with respect to the other disc of each pair whereby the discs of each pair may be arranged in contact adjacent only a portion of their periphery, and means for disposing a pair of said discs adjacent each side edge of said traveling web to receive the side edge portions of the web between said discs at their contacting portions.

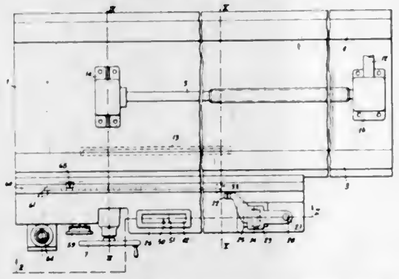
2,581,822
GAS BLAST CIRCUIT BREAKER HAVING PARALLEL CONNECTED IMPEDANCE
Hans Thommen and Hans Meyer, Baden, Switzerland, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application July 15, 1949, Serial No. 104,916
In Switzerland July 23, 1948
8 Claims. (Cl. 200—148)

1. Circuit breaker apparatus comprising a pair of normally closed load contacts separable upon an application of pressure gas thereto, an impedance, a set of normally open auxiliary contacts actuated by said pressure gas and closed upon an application of said pressure gas to said load contacts disposed within an insulator shut



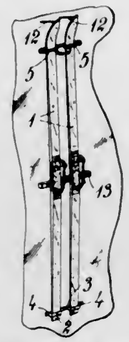
off from the atmosphere, said auxiliary contacts being for connecting said impedance in parallel with said load contacts upon opening of the latter, and time delayed means restoring said auxiliary contacts to open position upon termination of a predetermined closure period thereof.

2,581,823
PROJECTION OPTICAL MEASURING DEVICE FOR MACHINE TOOLS
Fernand W. Turrettini, Bellevue-Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm
Application June 7, 1949, Serial No. 97,537
In Switzerland June 16, 1948
1 Claim. (Cl. 88—24)



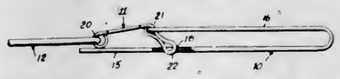
In a machine-tool comprising at least one table slidably movable upon a frame and a measuring device for carrying out the initial adjustments of the positions of said table, said measuring device comprising a scale dependent from and secured to said table and optical means for the observation of said scale, in combination, a set of stops adjustably mounted on said table; a projecting device comprising a screen, a mirror oscillatably mounted on said frame and a source of light the image of which is projected on said screen by means of said mirror; a pointer on said screen; and a swinging member operatably connected with said mirror, a part of said member being situated on the path of said stops in operative relationship thereto so that when the table is displaced, said stops swing said swinging member which displaces said mirror, the image of the source of light being thus displaced on said screen whereby, when the table is brought again in its initial positions, said positions can be checked, without using said measuring device, by observing the image of the source of light on said screen.

2,581,824
FASTENING ARRANGEMENT FOR SKIS
Gunnar Windahl, Oslo, Norway, assignor to Nils Jan Anfinsen, Oslo, Norway
Application July 20, 1948, Serial No. 39,706
In Sweden October 13, 1942
2 Claims. (Cl. 280—11.37)



1. In an arrangement for fastening a ski to a wall or the like, the combination of a first means for retaining the rear end portion of the ski against the wall; a second means spaced a predetermined distance from the first means for spacing the intermediate portion of the ski away from the wall; and a clamping means for releasably holding the forward portion of said ski to said wall, including a metal strip secured to the wall with one end thereof projecting from said wall; a clamping arm pivoted at one end thereof to the projecting end of said metal strip; and a spring secured to a portion spaced from that end of said metal strip and having a releasable retaining portion for engaging with and retaining the other end of said clamping arm in locked position when the same has been pressed inwardly toward said wall to retain a ski in place against said metal strip.

2,581,825
CLASP
Ah Fong Lau Ah You, Honolulu, Territory of Hawaii
Application February 14, 1946, Serial No. 647,623
1 Claim. (Cl. 24—3)



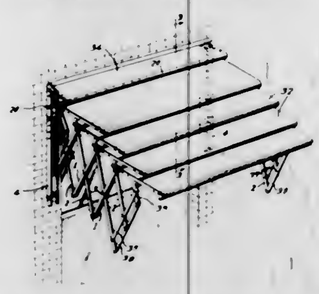
A holder including a pair of legs of a resilient U-shaped member, a lock link pivoted at one end to one leg and of a length greater than the normal line between the legs drawn through the pivot point, the other leg having a latching recess therein on the side of said normal line toward the base of the U-shaped member, said recess adapted to receive the unpivoted end of said link, the resiliency of the legs holding the unpivoted end of the link in the recess after the link has been swung past the normal line toward said recess and said link then being disposed between the legs, an operating plate connected at one end to said link to move it one way or the other, and a key ring pivotally connected to the other end of said plate.

2,581,826
BAG
Stanley G. Yount, Los Angeles, Calif.
Original application August 9, 1946, Serial No. 689,565. Divided and this application September 29, 1947, Serial No. 776,749
3 Claims. (Cl. 229—53)



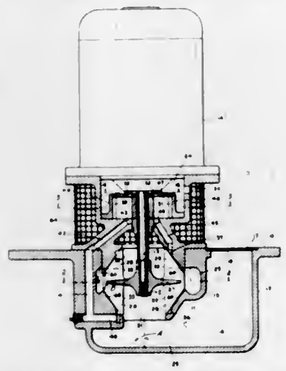
1. A bag for articles of large size, said bag having front and back wall panels and pleated side walls, said bag being made from at least one pair of companion sheets of material, said sheets being of uniform and identical width and length and having spaced parallel, straight unbroken longitudinal edges and transverse margins; each sheet of a companion pair having (*a*) an infolded, continuous, longitudinally extending narrow panel of uniform width along the entire length of one longitudinal marginal edge of the sheet, said narrow panel being defined by such longitudinal marginal edge and a parallel first fold line; (*b*) an infolded, continuous, longitudinally extending wide panel of uniform width adjacent the entire length of the other longitudinal marginal edge of the sheet, said wide panel being defined by a second fold line, spaced from the first fold line and parallel thereto; (*c*) a third fold line adjacent the said other longitudinal marginal edge of the sheet; and (*d*) an outfolded continuous, longitudinally extending sealing strip of uniform width defined by said third fold line and other longitudinal edge of the sheet and coextensive therewith; the sheets of a companion pair being identical and adhesively secured to each other in superposed relation with transverse margins in aligned relation and with the sealing strip of each sheet in adhesive engagement with the entire length of the narrow panel of the companion sheet; and means connecting said companion sheets along transverse margins at one end of said sheets.

2,581,827
AWNING FOR DOORS, WINDOWS, AND SIMILAR OPENINGS
Salvador Matheus Zveibil, Sao Paulo, Brazil
Application January 17, 1950, Serial No. 138,955
14 Claims. (Cl. 160—62)



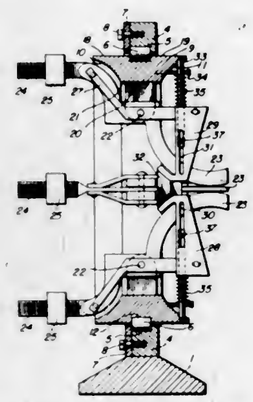
1. In an awning, including a series of individual rigid overlapping panels extending generally angularly to the wall of the building on which the awning is mounted, a support for said panels comprising pivoted rods forming a pantographic system extending outwardly from the wall under said panels, an outwardly-extending slide rail on said system for each panel and on which such panel is secured, the rear portion of said rail being pivoted to one rod of said pantographic system, the rail resting in sliding engagement on a second rod of said pantographic system holding the forward edge of said panel above the adjacent forward panel, said slide rail extending forwardly from its pivot point over said second rod and over the rear edge of the adjacent forward panel in spaced relation thereto.

2,581,828
PUMP
Harold E. Adams, Norwalk, Conn., assignor to Nash Engineering Company, South Norwalk, Conn., a corporation of Connecticut
Application March 7, 1946, Serial No. 652,633
21 Claims. (Cl. 103—113)



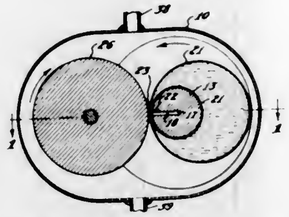
1. In a gas booster pump assemblage comprising a centrifugal pump having an impeller with two opposed inlet openings connected to a source of supply and a common discharge, a double acting liquid ring pump having two separate suction conduits connected to each of said centrifugal impeller inlet regions adapted to remove separated gas therefrom, and having a common discharge connection to the said source of supply.

2,581,829
POLE-STRIPPING MACHINE
Malvin T. Alexander, Seattle, Wash.
Application May 9, 1946, Serial No. 668,501
4 Claims. (Cl. 144—208)



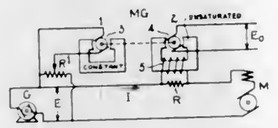
1. A centrifugally advanced cutter, in a rotary cutter head, comprising a cutter support pivotally mounted intermediate its ends, a convex cutting edge on the cutter support adjacent one end thereof, and a flyweight adjustably mounted on the cutter support adjacent its opposite end, the pivotal axis of said cutter support and the axis of curvature of said cutting edge being parallel to each other and normal to the axis of rotation of said cutter head.

2,581,830
COLLAPSIBLE WALL TYPE EXPANSION ENGINE
John R. Averill, Webster Groves, Mo.
Application August 31, 1950, Serial No. 182,503
17 Claims. (Cl. 121—48)



1. An expansion engine comprising a flanged hub, an axial passage in said hub and a radial port in said hub communicating with said passage, an impervious strip of flexible material, of substantially the width of said hub between said flanges, secured at one of its ends to said hub, and loosely wound around said hub so that its free end trails in terms of the direction of rotation of said hub, said strip being of a length at least sufficient to form one convolution tightly around said hub plus an outermost convolution of a diameter substantially equal to the radius of the flanges plus the radius of said hub, a surface of revolution contacting said strip in frictional driving relation and pressing it against said hub, means for producing relative rotation between said hub and the point of contact between said hub and surface of revolution, said hub and surface of revolution being geared together at a predetermined ratio.

2,581,831
MEANS FOR MEASURING AND REPORTING VARIABLES OF ELECTRIC AND ELECTRO-MECHANICAL SYSTEMS
Edward Bennett, Madison, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 11, 1947, Serial No. 760,327
1 Claim. (Cl. 322—25)

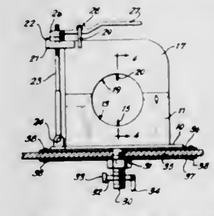


The combination with a direct current motor-generator set having the field of its motor of substantially constant strength and having the field core of its generator unsaturated and provided with a magnetizing coil, of means subjecting the armature of said motor to a variable impressed E. M. F. and subjecting the field coil of said generator to variable magnetizing current for an output of said generator proportional to the product of such variables.

2,581,832
HETEROGENEOUS, BASIC HYDROLYSIS OF CARBOXYLIC ACID ESTERS OF POLYVINYL ALCOHOL WITH QUATERNARY AMMONIUM BASES
Roe C. Blume, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 5, 1947, Serial No. 772,458
7 Claims. (Cl. 260—91.3)

1. A process for heterogeneously hydrolyzing a water-insoluble polyvinyl ester comprising a carboxylic acid ester of polyvinyl alcohol which comprises forming a mixture of water and a quaternary ammonium base having at least one alkyl chain at least four carbon atoms in length, said quaternary ammonium base being appreciably soluble in said ester in the presence of water; adding to the resultant hydrolyzing medium said water-insoluble polyvinyl ester, thereby forming a heterogeneous mixture which has an initial pH of at least 10 and a surface tension of less than 50 dynes per centimeter and thereby dissolving at least a portion of said quaternary ammonium base in said polyvinyl ester and then hydrolyzing said ester by heating said heterogeneous mixture.

2,581,833
TOWING HITCH
Albert J. Boivin, Rumford, Maine
Application May 4, 1948, Serial No. 24,972
12 Claims. (Cl. 280—33.44)

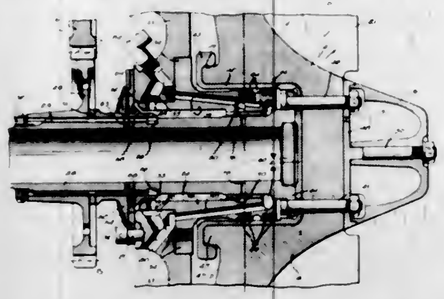


1. A towing hitch of the character described including, in combination, a base, a stationary jaw mounted on said base, a movable jaw complementary to the stationary jaw and pivoted thereon to be swingable to and from jaw closing position with respect to the stationary jaw, said movable jaw having a formation presenting a projecting open notch and upwardly extending shoulders adjacent the open end of the notch, a bolt pivotally mounted on said base so as to be swingable into and out of said notch, the portion of the bolt disposable in the notch being threaded, and a nut on the bolt adapted when the bolt is disposed in the notch to be above said notch formation and to the rear of said shoulders thereof and adapted to be screwed down on the bolt to force the movable jaw in jaw closing direction and cause a tow element between the jaws to be clamped between them.

2,581,834
IMPELLER MOUNTING
Bertrand H. Brown, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 22, 1946, Serial No. 656,386
8 Claims. (Cl. 230—134)

1. A rotatable assembly including a vaned fluid impeller having an unobstructed inlet and a retaining cup on the other side thereof, a driving

shaft fixed to said impeller and extending into said cup, and a bearing within said cup for said shaft having substantially equal bearing surface



areas located respectively on opposite sides of a plane passing substantially through the center of mass of the rotatable assembly normal to the axis of rotation thereof.

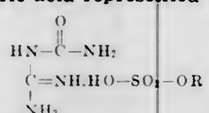
2,581,835
METHOD OF SPINNING VISCOSE
Norman Louis Cox, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 22, 1946, Serial No. 656,478
11 Claims. (Cl. 18—54)



1. A process which comprises incorporating in a freshly formed viscose a water-soluble trithiocarbonate in excess of that formed in the preparation of said freshly formed viscose and extruding resultant unripened viscose into a coagulating bath.

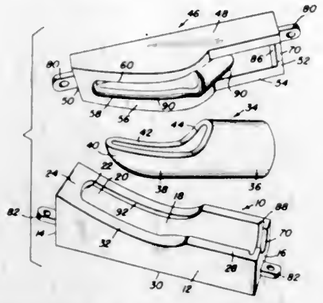
2,581,836
ANTISTATIC TREATMENT OF ARTICLES COMPRISING VINYL RESINS AND TREATED ARTICLES
Arthur Cresswell, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 30, 1948, Serial No. 68,371
9 Claims. (Cl. 117—138.8)

1. The method of conditioning a shaped article comprising a thermoplastic vinyl resin to lessen its tendency to accumulate static charges of electricity thereon, said method comprising applying to the said article a volatile liquid containing a guanylurea salt of a mono-aliphatic ester of sulfuric acid represented by the formula



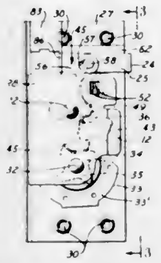
where R represents an aliphatic hydrocarbon radical containing from 12 to 18 carbon atoms, inclusive, and the amount of the said liquid containing the said salt which is applied to the said article being such that the finished article has associated therewith from, by weight, 0.2% to 4% of the said salt, based on the weight of the dry, untreated article, and drying the thusly treated article.

2,581,837
PROTECTIVE CAP MOLD
Alvis L. Cruise, Marshfield, Mo.
Application December 19, 1947, Serial No. 792,789
8 Claims. (Cl. 18—42)



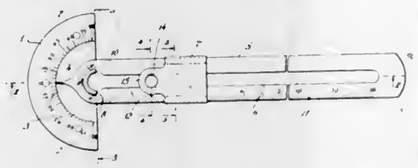
6. A protective cap mold comprising upper and lower mold members; said lower mold member having first and second end walls and a pair of side walls; an upper wall integrally formed with the second end wall of said lower mold member; a concavo-convexed lower wall integrally formed with said upper wall, said side walls and said first end wall; said upper mold member having a pair of side walls and first and second end walls; the end walls of said upper mold member engaging and being supported on the end walls of the lower mold member; an elongated concavo-convexed plate integrally formed with the second end wall of said upper mold member and the side walls thereof and having a portion contacting the upper wall of said lower mold member; a concavo-convexed upper wall integrally formed with the first end wall of said upper mold member and the side walls thereof; said concavo-convexed upper wall being integrally formed with said plate; a sleeve-like core positioned between said upper and lower mold members and having one end abutting the first end walls of the mold members; said core having an arcuate extension at its other end; said extension having a continuous edge adapted to abut the under surface of said concavo-convexed lower wall of said lower mold member as a plastic material is charged between said mold members and about the core; and means detachably securing said mold members together.

2,581,838
DOOR LOCK
Thomas C. Dingman, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application March 8, 1946, Serial No. 653,096
1 Claim. (Cl. 292—280)



In a latch mechanism for use with automobile doors or the like, a face plate member designed to mount said mechanism, a second plate member mounted to said face plate but spaced therefrom in parallel relation thereto, a pair of prong wheels mounted one between said two plates and one exteriorly of said face plate for simultaneous and interdependent rotative movement on a horizontally disposed pin member reaching between said two plates, a plurality of vertically disposed cam arms of progressively increasing lengths pivotally connected to said face plate, spring means normally urging said cam arms into engagement with said prong wheel disposed between said two plates to normally prevent rotative movement of both of said prong wheels, a horizontally disposed slide bar mounted for rectilinear sliding movement between said two plates, above said arms and in operative engagement therewith for periodically pivoting said cam arms in an arcuate path against the force of said spring means to release said prong wheels, said sliding movement of said slide bar adapting said latch mechanism for operation from either side of said door by means of suitable manual operators having actuating connection with said slide bar and a vertically movable, manually actuated locking block disposed between said two plates in adjacent relation with one end of said slide bar and operable from the interior of said automobile for interfering with and preventing said rectilinear movement of said slide bar thereby to stop said cams from releasing said prong wheels whereby said mechanism is frozen in a locked condition.

2,581,839
DRAWING INSTRUMENT
George Taylor Douglas, Washington, D. C.
Application February 7, 1946, Serial No. 646,137
2 Claims. (Cl. 33—26)



2. In a blackboard compass a base member, suction cups on one side of the base member for supporting the compass against a vertical surface, said base member having an arcuate scale thereon, a hollow bearing coincident with the center of said arcuate scale, a ruler pivoted on said bearing, said ruler having a slot extending radially outward from said bearing, said bearing being of larger diameter than the width of said slot, a guide slidingly mounted on said ruler and having an extension adapted to overlie the center of said bearing when in its innermost position, and an opening in said extension in a position to overlie said bearing.

2,581,840
INSECT REPELLENT
Nathan L. Drake, College Heights, Md., and Charles M. Eaker, Affton, Mo., assignors to the United States of America as represented by the Secretary of the Army
No Drawing. Application January 11, 1949, Serial No. 70,393
3 Claims. (Cl. 167—30)

1. An insect-repellent fabric comprising fabric impregnated with the ethyl ester of 6-ethyl-2-methyl-4-oxo-2-cyclohexene-1-carboxylic acid.

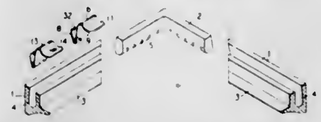
2,581,841
INSECT REPELLENT
Nathan L. Drake, College Heights, Md., and Charles M. Eaker, Affton, Mo., assignors to the United States of America as represented by the Secretary of the Army
No Drawing. Application January 11, 1949, Serial No. 70,394
9 Claims. (Cl. 167—30)

2. An insect repellent composition comprising 1,4-cyclohexanediol monopropionate in a non-gaseous inert organic carrier.

2,581,842
INSECT REPELLENT
Nathan L. Drake, College Heights, Md., and Charles M. Eaker, Affton, Mo., assignors to the United States of America as represented by the Secretary of the Army
No Drawing. Application January 11, 1949, Serial No. 70,395
5 Claims. (Cl. 167—22)

1. An insect repellent composition containing as an essential active ingredient N,N-dipropyl levulinamide, and a non-toxic ointment as a carrier therefor.

2,581,843
PICTURE FRAME
Frederick James Edwards, West Kirby, England
Application March 1, 1949, Serial No. 79,032
In Great Britain May 11, 1948
1 Claim. (Cl. 40—155)



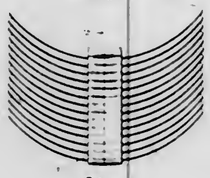
A picture frame comprising a plurality of border elements having a body portion, spaced resilient strips carried by said body portion and projecting rearwardly an equal distance therefrom, the walls between said strips being gradually convergent so as to provide a deep, undercut, longitudinal groove therebetween for the receipt of clips for retaining the picture in the frame, a rebate projecting laterally from said body portion, the rearmost face of said rebate being spaced from the rearmost face of said border element carried strips to present a surface against which the picture is held by the clips, the wall of said body portion adjacent said rebate presenting a picture retaining shoulder and junction pieces engaged in the ends of the grooves of adjacent border elements to connect said elements together, said junction pieces comprising right angle members of cross-sectional shape corresponding to the cross-sectional shape of the grooves between said border element carried strips provided with serrations to resist withdrawal of the junction pieces from the grooves.

2,581,844
AQUEOUS EMULSION POLYMERIZATION OF VINYL ACETATE IN THE PRESENCE OF METHANOL
Watson Eggleston, Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 4, 1948, Serial No. 63,637
8 Claims. (Cl. 260—89.1)

1. In a process for the aqueous emulsion polymerization of vinyl acetate, the step comprising

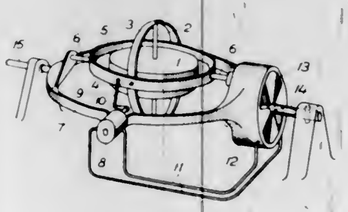
adding to an aqueous emulsion of vinyl acetate before completion of the polymerization thereof between 0.05% and 2.0%, based on the weight of the vinyl acetate, of methanol and polymerizing said vinyl acetate in the presence of said added methanol.

2,581,845
METHOD OF FORMING FIN VIBRATION DAMPER
Phillip N. Elliott, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application October 2, 1948, Serial No. 52,581
3 Claims. (Cl. 18—59)



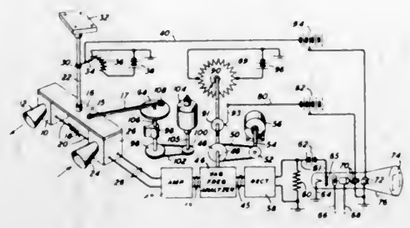
1. The method of forming a fin damper on a series of fins on a finned body to dampen vibrations thereof which comprises placing a strip of a curable rubber compound in a plastic state onto said fins, regulating the distance the portion of the strip between the fins extends from the edges of said fins towards the body to prevent complete filling of the spaces between the fins, and curing said strip until it becomes resilient and adhered to said fins.

2,581,846
GYROSTATIC STABILIZER
Herbert Eriksson, Vasteras, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application January 21, 1947, Serial No. 723,379
In Sweden January 25, 1946
3 Claims. (Cl. 74—5.22)



1. A gyrostatic stabilizer comprising a gimbal frame tiltable about an axis, a gyroscope rotatingly mounted therein, a light frame carrying said gimbal frame and tiltable about an axis perpendicular to the axis of said gimbal frame, a heavy structure tiltable about an axis parallel to the axis of said light frame, a servo-motor carried by said heavy structure and serving to tilt said structure, and means for operating said servo-motor under the influence of the tilting motion of said gimbal frame.

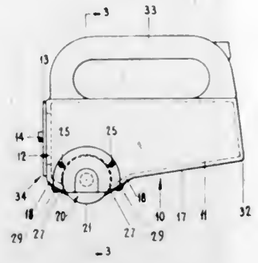
2,581,847
RADIANT ENERGY OBJECT LOCATING SYSTEM
Lloyd Espenschied, Kew Gardens, N. Y., and Joseph G. Chaffee, Hackensack, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 23, 1940, Serial No. 353,902
3 Claims. (Cl. 343—10)



1. A system for exploring an area on the earth's surface from a point to obtain indications of the direction and distance of irregularities and obstacles within said area, which comprises means at said point for emitting a beam of frequency modulated electromagnetic waves, means for sweeping the beam through an arc such that it traverses the area, means at the emitting point for simultaneously deriving energy of said beam directly from the emitting means and for receiving energy reflected by irregularities and obstacles within said area, means for combining said directly derived and said received reflected energy to obtain beat-notes, means for analyzing the frequency distribution of said beat-notes for successive positions of said beam throughout said arc, and means for visually indicating the results of the frequency analysis comprising a mobile element, a rectangular target area over which said element can be moved, means responsive to the scanning motion of said electromagnetic beam and cooperatively connected to move said element laterally back and forth over said area in synchronism with the scanning motion of said beam, means responsive to the scanning action of said beat-note frequency spectrum and cooperatively connected to simultaneously move said element vertically back and forth over said target area in synchronism with the scanning action of said frequency analyzing means, and means responsive to beat-notes passed by said frequency analyzing means cooperatively connected to said mobile element to cause it to produce a visual indication for each beat-note frequency, whereby a two-dimensional pattern of indications the respective horizontal positions of the indications of which indicate azimuth angles and the vertical positions of which indicate distances to the respective reflecting objects in the area scanned by said electromagnetic wave beam, is obtained.

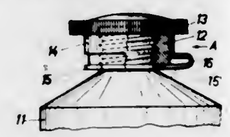
2,581,848
COATING MACHINE
Joseph Ettl, Brooklyn, N. Y.
Application June 26, 1947, Serial No. 757,104
1 Claim. (Cl. 15—132.5)

A machine for applying an even and measured coating of adhesive to a flat surface, comprising a hollow body having a closable inlet for storage of adhesive, the lower surface of said body having converging flanges forming a rectangular opening, a knurled adhesive distributing roller rotatably mounted in said opening with a minor portion of its periphery projecting below said flanges, side plates arranged to closely contact and seal the end faces of said roller, said roller being knurled throughout its length, two scraper plates slidably secured to said flanges and having bevelled edges positioned to contact opposite sides of the periphery of said roller, said scraper plates being adjustable to and from said roller to scrape



excess adhesive and regulate the thickness of adhesive film carried out from said storage body by said roller, the knurl elements of said roller being of a size to scoop up adhesive and deliver same in measured quantities on a surface on which said roller is applied, the upper surface of said body having a linear handle positioned midway lengthwise of said roller, the flanges on opposite sides of said roller being angularly disposed to rise away from said roller to prevent the lower edges of said body from contacting the surface being coated.

2,581,849
CONTAINER WITH CAP
Paul Fisch, Zurich, Switzerland, assignor to Transimpex, Import, Export und Transit A. G., Zurich, Switzerland
Application December 20, 1948, Serial No. 66,161
In Switzerland October 1, 1948
4 Claims. (Cl. 220—38.5)

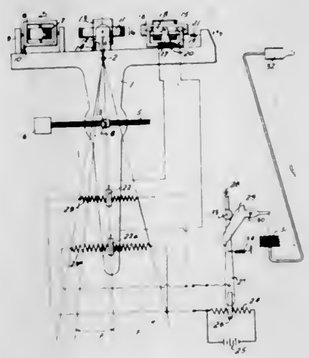


1. In a container having a threaded neck including an upper and a lower part and a cap adapted for engagement with said threaded neck; a flexible non-metallic connector device made from a single piece of a tubular body cut so as to provide two co-axially arranged and normally spaced apart rings and a strap interconnecting said rings, one of said rings being adapted for position at the lower end of said threaded neck and for rotation thereabout, the other ring being adapted for frictional and firm engagement with said cap, said strap being of such length that in engagement position of said cap on said threaded neck said strap projects laterally beyond said rings whereby upon disengagement of said cap from said upper part of said threaded neck said cap will be springedly removed from said threaded neck by said strap and securely held by the latter on said container.

2,581,850
ADRENOCHROME COMPOSITIONS
Desider Fleischhacker, New York, and Norman Barsel, Laurelton, N. Y., assignors to International Hormones, Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Application August 10, 1948, Serial No. 43,538
7 Claims. (Cl. 167—65)

7. A haemostatic composition comprising sodium salicylate and an adrenochrome derivative in the ratio of at least 25:1 by weight, said adrenochrome derivative being selected from the group consisting of adrenochrome monosemicarbazone and adrenochrome mono-oxime.

2,581,851
ROBOT TURN CONTROLLING DEVICE FOR AIRPLANES
Marcel Gianoli, Neuilly-sur-Seine, France, assignor to Societe Civile D'Etudes De Constructions Aeronautiques E. C. A., Paris, France
Application May 21, 1946, Serial No. 671,150
In France May 28, 1945
8 Claims. (Cl. 244—77)



1. In turn controlling device for aircraft, a frame pivotally mounted on an axis parallel to the rolling axis of the craft, means for imparting to said frame an angular movement around said rolling axis from a level to a laterally inclined position, means for simultaneously imparting to said craft a rolling movement equal to and in reverse direction with respect to the angular movement of said frame and for moving said frame back to said level position from said laterally inclined position, and means for imparting to said craft a yawing movement in direct ratio with said rolling movement and in reverse ratio with the speed of flight.

2,581,852
HERBICIDE
Everett E. Gilbert, Flushing, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application May 18, 1950, Serial No. 162,827
7 Claims. (Cl. 71—2.3)

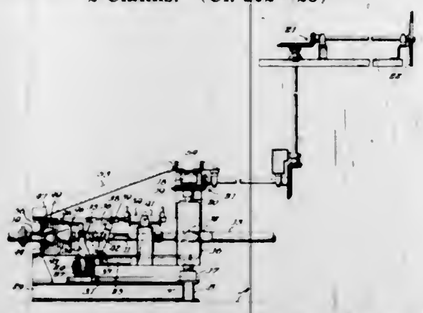
1. The method of destroying vegetation which comprises treating said vegetation with benzyl ester of trichloroacetic acid in amount sufficient to cause destruction of said vegetation.

2,581,853

CONDUIT INDEXING AND COUPLING DEVICE

Thaddeus J. Glaza, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application March 24, 1950, Serial No. 151,767
2 Claims. (Cl. 302—28)



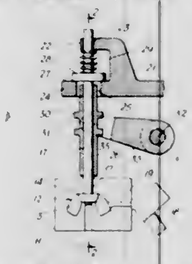
1. A conduit indexing mechanism for a combined blower conveyor for sand or the like comprising in combination a rigid connecting pipe having one end attached to said blower and the other end free to be moved, pivotal support means at the blower end of the said connecting pipe, a plurality of delivery pipes mounted radially with respect to the said pivotal support and having ends formed to join in substantially fluid sealing relation with the said connecting pipe, actuating means for pivotally positioning the said connecting pipe to align selectively with one of the said delivery pipes, and means for axially moving the said connecting pipe to mate with and separate from the selected one of the said delivery pipes, the said latter means comprising a carriage having a vertical lever pivotally movable at a lower end thereof relative to the said carriage, a piston rod clevis cooperating with the said carriage, a fluid cylinder for actuating the said clevis, the upper end of said lever being connected to the said clevis, a central portion of the said lever being slidably pinned to the said connecting pipe to allow said latter pipe to be axially moved upon actuation of the upper end portion of the said lever.

2,581,854

METHOD OF FREEING AND EJECTING DIE CASTINGS FORMED ON CORES

Otto Gries, New Rochelle, and Louis H. Morin, Bronx, N. Y.; said Gries assignor of one-half to Crown Fastener Corporation, Warren, R. I., a corporation of Delaware

Application August 1, 1947, Serial No. 765,330
5 Claims. (Cl. 18—55)



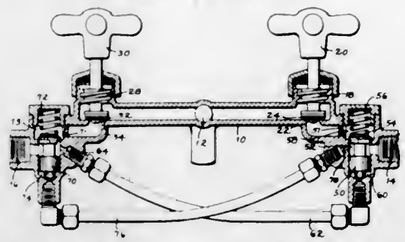
5. The method of forming a die cast body about a core pin in a pair of dies and then discharging the body from the dies and core pin which comprises first forming the casting on the core pin supported within the cavities of the closed dies, then moving the core pin relatively to the casting with the dies retained in their original closed position to free the casting against seizure on the pin, then separating the dies and ejecting the casting therefrom so that the latter is entirely out of contact with the dies, said casting being still attached to the pin, then stripping the casting from the core pin, and then closing the dies around the core pin preparatory to forming the next successive casting.

2,581,855

VALVE

Raymond C. Griffith, Detroit, Mich.

Application February 18, 1947, Serial No. 729,310
4 Claims. (Cl. 137—144)



1. An attachment for use with a conventional mixing valve connected to hot and cold water mains, said attachment including a pair of main body members adapted to be connected in series respectively with the hot water main and the cold water main leading to the mixing valve, each of said body members having a cylindrical cavity provided with a valve seat portion, each of said body members having an outlet passage from the cylindrical cavity for communicating with a conduit leading to the mixing valve, each of said main body members having an intake passage extending from the cylindrical cavity and adapted to communicate with a water main, a pair of valve members located in the cylindrical cavity, there being one valve member for each cavity, each of said valve members being associated with its seat portion, each of said valve members functioning as a piston mounted in the cylindrical cavity, resilient means for urging each of said valve members towards one end of its associated cylindrical cavity to engage the seat portion to thereby close the water passage, each of said valve members being provided with an annular groove registering with its associated intake passage, each of said body members having a passage extending laterally through the main body member in communication with the annular groove, a second passage extending from the end of the cylindrical cavity toward which the valve member is normally urged, and conduit means for cross connecting the lateral passage of one body member to the end passage of the other body member so that the water pressure applied to one body member is applied to the end of the piston in the opposite body member to urge the piston against the resilient means to open the valve, the extent to which the valve is opened being adjusted in response to changes in the intake pressure in the opposite body member.

2,581,856

VEHICLE SUSPENSION

Lucien Robert Gruss, Middletown, Ohio

Application November 17, 1948, Serial No. 60,440
3 Claims. (Cl. 267—64)

1. A resilient device for supporting one member from another member movable relative

thereto and comprising a housing secured to one of said members having an upper chamber and lower main chamber, the upper chamber being divided into inner and outer chambers, the inner chamber comprising a pump chamber and the outer chamber comprising a liquid storage chamber, a ram secured to the other of said members and mounted for reciprocation through the pump chamber into the main chamber, said main chamber being filled with a compressible liquid under sufficient pressure to normally support said ram, the member secured thereto and a load carried thereby with the end of the ram disposed intermediate the ends of the main chamber when said ram together with its associated member and load are under static load conditions, said



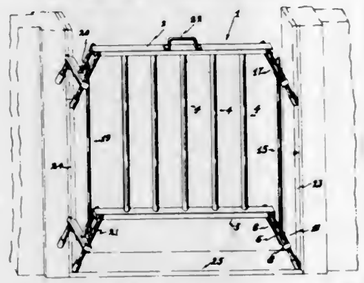
supply chamber having a supply of the same liquid in said main chamber, said ram having a portion of increased cross sectional area forming a shoulder in said pump chamber facing said main chamber, a valved controlled passageway through which liquid may flow from the storage chamber into the pump chamber consequent upon movement of the ram in a direction away from the main chamber, a valve controlled passageway through which liquid may flow from the pump chamber to the main chamber consequent upon movement of the ram into the main chamber, and a valved controlled by-pass between the pump chamber and the storage chamber to prevent the liquid pressure in the pump chamber from exceeding a predetermined maximum.

2,581,857

REMOVABLE GATE

Bertram M. Harrison, Wellesley, Mass.

Application March 29, 1948, Serial No. 17,771
4 Claims. (Cl. 160—217)



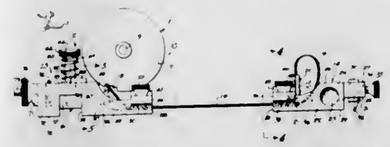
1. A removable gate having a top and bottom rail, pairs of spaced arms, means pivoting said arms at the ends of both the top and bottom rails perpendicular to the plane of the gate, the pivot of each arm of a pair being in axial alignment with the other, means joining the pairs of arms on each side for simultaneous similar angular motion within desired limits, a cross support mounted across the ends of each lower pair of arms, and pin means adjustable in said support for effectively widening the gripping space across the door jamb of said arms.

2,581,858

TRAMMEL ATTACHMENT FOR TAPE MEASURES

Carl Hilt, Detroit, and James E. Butterworth, Berkley, Mich.

Application June 9, 1947, Serial No. 753,446
2 Claims. (Cl. 33—27)



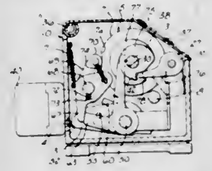
1. A trammel attachment for detachable self-contained encased tape measures comprising a scribing unit having a body with a scribing element and a holder for the end portion of a measuring tape, and a center unit having a body with a center element, a support having a portion detachably receiving the tape measure casing, and a clamp engageable with an intermediate portion of the measuring tape adjacent said tape measure casing, said scribing unit including a clamp engageable with said tape at a location spaced away from its forward free end and having a tape deflector disposed forwardly of said clamp and positioned to engage and bend upwardly the forward free end portion of said tape.

2,581,859

PREDETERMINING COUNTER WITH RESETTING CONTROLLED SWITCH CLOSING MEANS

James B. Hoye, Hartford, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut

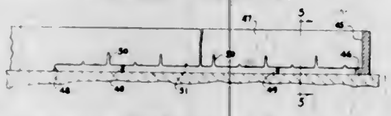
Application June 27, 1950, Serial No. 170,504
5 Claims. (Cl. 235—132)



1. In a counter comprising a reset shaft, a plurality of number wheels on the shaft, means for driving the number wheels, and means effective when the reset shaft is turned for returning the number wheels to initial starting position, the combination therewith of means for operating an associated mechanism including a movably mounted actuating arm, means biasing the arm into a first position, means including a cam on the reset shaft for preventing movement of the actuating arm to said first position except when the reset shaft is turned to full reset position, a control member for the actuating means, means forming a lost motion connection between the control member and the actuating means whereby movement of the control member to a first

position will move the actuating member to a second position and movement of the control member to a second position will permit the actuating member to move to said first position, means biasing the control member into said first position, means for latching the control member in said second position, means including predetermining means on the number wheels for unlatching the latching means following completion of a predetermined count, and means operated by the reset shaft for moving the control member to latching position during a resetting operation.

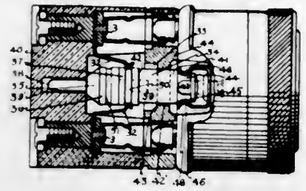
2,581,860
APPARATUS FOR MOLDING PRINTING BASE MATERIAL
Noble A. Hunter, Capac, Mich., assignor of fifty per cent to Myrtle M. Hunter, Capac, Mich.
Application June 1, 1949, Serial No. 96,456
1 Claim. (Cl. 22—5)



A casting box comprising a flat bed, a cover pivotally mounted at one end upon said bed, an end iron of rectangular cross-section positioned upon said bed and having a plurality of spaced lateral notches in its side surface, a plurality of parallel spaced casting bars of rectangular cross section arranged at right angles to said end iron with their one ends nested and supported within said notches, depending legs on the opposite ends of said bars extending below said one ends and bearing upon said bed defining a longitudinal slot between said bed and the under sides of said bars, a pair of spaced side irons of rectangular cross-section positioned on said bed with their one ends engaging said end iron and arranged in parallel spaced relation to the outer of said casting bars, the top surfaces of said end iron, casting bars and side irons being coplanar, said cover being secured in compressive registry with the top surface of said end iron and the top surfaces of said side irons and said bars, and parallel to said bed for maintaining an assembled relation between said bed, irons, and bars, said end iron and side irons forming respectively one end wall and the side walls of said casting box, the under surfaces of said casting bars having formed therein a plurality of transverse longitudinally spaced upwardly converging slots of different heights, whereby the molded article will be formed with a plurality of transverse reinforcing webbing of corresponding different heights, one end of said box being open to permit the introduction of molten material therein.

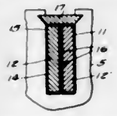
2,581,861
ELECTRICAL APPARATUS
Carl A. P. Johnson, North Quincy, and Archie T. Morrison, South Braintree, Mass., assignors to S. H. Couch Company, Inc., North Quincy, Mass., a corporation of Massachusetts
Application February 9, 1950, Serial No. 143,252
2 Claims. (Cl. 200—51.1)

1. A plug and receptacle assembly comprising a receptacle casing having a plurality of electrical receptor members positioned about a central longitudinal axis of the receptacle, a plurality of spring arms also positioned about and extending longitudinally with said longitudinal axis of said receptacle, said spring arms being electrically connected to said electrical receptors, a connecting jack having a flanged end with a concave groove behind the end extending all around the jack and having insulating sections and conductive sections along portions of its surface and having longitudinal axis parallel to the central axis of said receptacle, means supporting said jack in said position for reciprocal motion confined to its longitudinal axis,



a plug member having spring prongs with inwardly concave ends adapted to engage in the groove behind the head of said jack when the plug pins are inserted in the receptacle, said means connecting said plug and jack together whereby when said plug is removed, the jack will be moved outward to a circuit closing position.

2,581,862
INSULATION
John S. Johnson, Verona, and Earl L. Schulman, Wilkinsburg, Pa., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission
Application September 14, 1944, Serial No. 554,080
1 Claim. (Cl. 171—252)

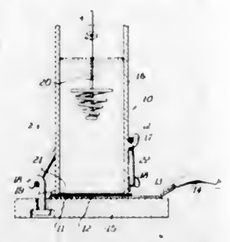


An electrical apparatus having a slotted magnetizable core and a winding having two straight coil-side portions lying side by side in each slot with flat sides adjacent to each other, each coil-side portion having an adherent butt-jointed layer of non-ferrous asbestos paper wound circumferentially around the coil-side portion and impregnated with a thermosetting resin consisting essentially of a copolymer of propylene glycolmaleate and styrene, said layer having a dimension in an axial direction substantially equal to the axial length of its straight coil-side portion, and with the butt-joints of each pair of coil-side portions in any slot disposed in staggered relation to each other in said adjacent flat sides of the pair of coil-side portions.

2,581,863
PROCESS FOR ELECTRODEPOSITING URANIUM DIOXIDE
Milton Kahn, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application March 24, 1945, Serial No. 584,686
3 Claims. (Cl. 204—96)

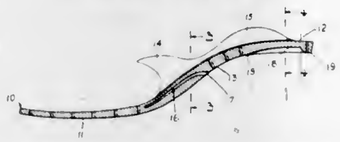
1. The process for electrodepositing uranium dioxide which comprises contacting two inert electrodes with a dilute aqueous solution wherein the solute consists essentially of uranyl nitrate and at least one material from the class consisting of potassium carbonate and potassium hydroxide, the amounts of said materials being such that the concentration of the negative ions

of said materials is from about 200 times to 3000 times the concentration of the uranyl ion, and passing a direct current through the said



solution at a current density of between 0.6 to 1.3 amperes per square decimeter for a period of from about 90 to about 160 minutes.

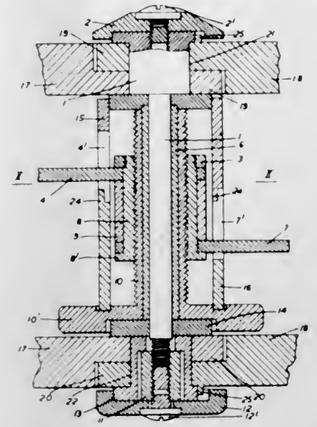
2,581,864
ARCH SUPPORT
Alfred M. Kaufmann, Jr., Newark, N. J.
Application November 28, 1950, Serial No. 197,918
4 Claims. (Cl. 36—3)



3. An arch support of the character described, comprising a unitary plastic body comprising a sole, heel and intermediate metatarsal portions, the metatarsal portion of the support having a pocket disposed between upper and lower surfaces of said unitary body, said pocket having an opening through one wall of the support for insertion of a pad in said pocket, the support having, throughout the major portion of the area thereof, perforations opening through at least one surface thereof, the heel portion of the support having a recess on the lower surface thereof bounded by side and rear walls, and one side of the support having a bunion shield.

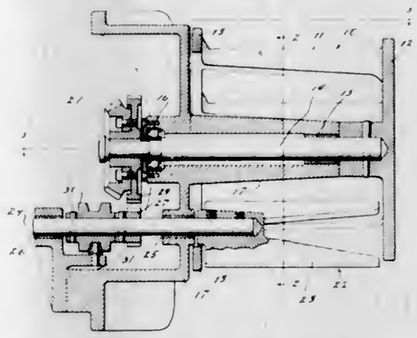
2,581,865
SECTIONAL COVER FOR PROTECTING THE FOCUSING MECHANISM OF BINOCULARS
Norman Kershaw and Harry Ryder, Leeds, Yorkshire, England
Application March 26, 1947, Serial No. 737,224
In Great Britain July 12, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires July 12, 1965
3 Claims. (Cl. 88—34)

1. Binoculars of the class described including a two part binocular body having spaced pairs of hinged members, an axle supporting said hinged members, a focussing mechanism between said pairs of hinged members and including a focussing screw rotatable on said axle, a focussing nut mounted on said screw, spaced bridge arms pivotally connected to said focussing nut and extending outwardly therefrom in opposite directions, a cover for the focussing mechanism, said cover being formed of two axially aligned independently rotatable sections, said sections having axially offset slots therein through which extend said bridge arms, said slots being of such a length to allow axial or longitudinal movement of the bridge arms along the focussing screw, the sections of the cover being independently rotatable so that the bridge arms are angularly adjustable about the focussing screw, and means for rotating the focussing screw to move the focussing nut axially thereon and carry the bridge arms along the focussing screw and for moving the bridge arms against



the sides of their adjacent slots to rotate the sections of the cover, the parts being constructed and arranged so as to insure the part of the focussing mechanism which is not enclosed by the body of the binoculars being protected by the sectional cover upon rotation of one of the sections and its associated bridge arm.

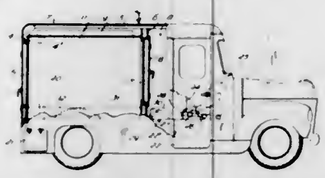
2,581,866
THREAD-ADVANCING REEL
Stanley C. Kershaw, Saylesville, R. I., assignor to The Clark Thread Company, Inc., Newark, N. J., a corporation of Delaware
Application May 19, 1947, Serial No. 748,890
6 Claims. (Cl. 28—71.7)



5. In a reel for automatically winding and advancing thread in a helical path thereon, a main thread-supporting reel having a series of thread-supporting arms spaced about the periphery thereof and a single reel of a smaller diameter than said thread-supporting reel with its axis of rotation located within the periphery of said main thread-supporting reel, said second reel being axially reciprocable relative to the main thread-supporting reel and having a series of thread-engaging arms spaced about its periphery, said thread-engaging arms on the second reel interdigitating successively between the thread-supporting arms of the main thread-supporting reel with the interdigitating, thread-engaging

arms successively projecting beyond the outer surface of the thread-supporting arms adjacent thereto as the reels are rotated.

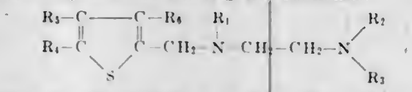
2,581,867
REFRIGERATED MILK DELIVERY VEHICLE
Paul Krohnert, West Hill, Ontario, Canada
Application April 26, 1950, Serial No. 158,187
In Canada February 20, 1950
5 Claims. (Cl. 62—117)



1. A vehicle body for the handling of cases of milk and delivery therefrom comprising a floor and top, side and rear walls, a transversely extending partition dividing the body into a forward operator's cab and a rearward load-carrying section, a pair of insulated partitions extending longitudinally of said rearward section and dividing the latter into a central insulated compartment and a pair of outer compartments, a plurality of doors in said rear wall one leading into one only of each of said compartments, said transverse partition having therein a door leading into said central compartment and an opening free from closure means leading into each of said outer compartments, and a cold plate mounted in said central insulated compartment for refrigerating the latter, said outer compartments being unrefrigerated, said central compartment being arranged to receive a plurality of full cases of milk, and said outer compartments having a combined capacity substantially equal to that of said central compartment to receive all of the cases from the central compartment when empty.

2,581,868
N-(2-THENYL)-SUBSTITUTED ETHYLENE DIAMINES
Lucas P. Kyrides, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 4, 1946, Serial No. 701,077
8 Claims. (Cl. 260—296)

1. A compound from the group consisting of the tertiary amines having the formula:

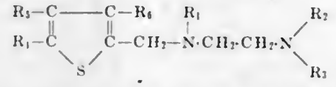


wherein R_1 represents a radical from the group consisting of pyridyl and picolinyl radicals, R_2 represents a radical from the group consisting of hydrogen and alkyl radicals containing 1–3 carbon atoms, R_3 represents an alkyl radical containing 1–3 carbon atoms, R_4 represents a radical from the group consisting of hydrogen, methyl and ethyl radicals and R_5 and R_6 each represents a radical from the group consisting of hydrogen and methyl radicals, and the acid salts thereof.

6. A method of preparing N,N-dimethyl-N'-2-pyridyl-N'-2 thenyl-ethylenediamine which comprises mixing together and heating a 2-thenyl halide and an alkali metal salt of N,N-dimethyl-N'-2-pyridyl-ethylenediamine.

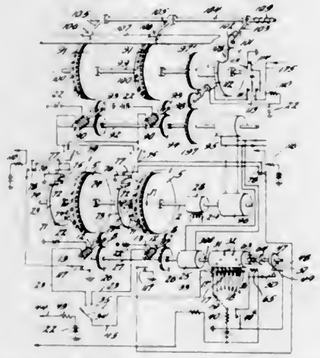
2,581,869
N-(5-HALO-2-THENYL)-SUBSTITUTED ETHYLENE DIAMINES
Lucas P. Kyrides, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 11, 1947, Serial No. 768,085
12 Claims. (Cl. 260—296)

1. A compound from the group consisting of tertiary amines having the formula:



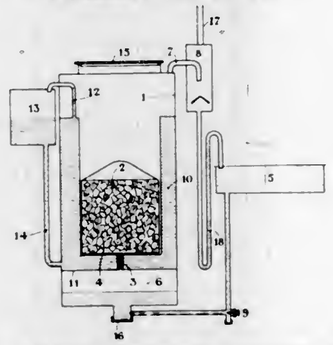
wherein R_1 represents a radical selected from the group consisting of phenyl, pyridyl and picolinyl radicals, R_2 represents a radical selected from the group consisting of hydrogen and alkyl radicals containing 1–3 carbon atoms, R_3 represents an alkyl radical containing 1–3 carbon atoms, R_4 represents a halogen radical and R_5 and R_6 each represent a radical from the group consisting of hydrogen and methyl radicals, and the acid salts thereof.

2,581,870
TOTAL TRANSFER MECHANISM
Fridthiof Oscar Valdemar Larsen, Gentofte, Denmark, assignor to Aktiebolaget Duba, Stockholm, Sweden, a joint-stock company of Sweden
Application August 4, 1947, Serial No. 765,997
In Denmark April 29, 1946
7 Claims. (Cl. 235—61)



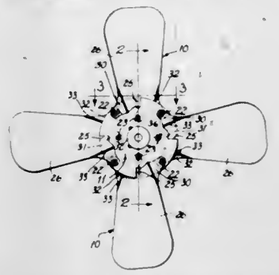
1. In an electric calculating system comprising a set of registering units, freely rotatable about a common shaft, a driving shaft; electromagnetically controlled members for coupling any of said units to said driving shaft so as to be rotated by same, a timing device for determining the duration of such intercoupling and comprising a rotatable cam cylinder and a number of spaced movable contacts engaging a common counter contact and arranged to be operated successively by said cylinder, and selectors for connecting one of said movable contacts and the energizing means of one of said electromagnetically controlled members simultaneously up in an operating circuit, a control shaft arranged to be rotated synchronously with the driving shaft of the registering unit, an electromagnetically controlled clutch for coupling said cam cylinder to said control shaft, when the said operating circuit is closed by the said selector, means for disconnecting the clutch between the said cylinder and said control shaft automatically when the cylinder has been rotated through 360°, a second set of registering units, freely rotatable about a common axis, a second driving shaft, electromagnetically operated couplings for coupling any registering units of the last-mentioned set to the said second driving shaft, means for driving the shaft, on which the registering units of the first-mentioned set are rotatably mounted, independently of said units and synchronously with the said second shaft, a number of setting members arranged to be rotated by the shaft of the first-mentioned registering units and adapted to transfer the seting of these units to the registering units of the said second set of registering units, which setting members are mounted on the shaft to partake in the rotation of same and situated on this shaft alternately with the registering units mounted on same and arranged each to control a contact in the operating circuit of one of the electromagnetic couplings of the registering units of the said second set, so as to close said circuit immediately when caused to rotate and to interrupt said circuit when rotated through an angle depending on the angle through which the registering unit at which the setting member in question is located, has previously been set.

2,581,871
ACETYLENE GENERATOR
Auguste Adelin Gustave Magis, Paris, France
Application December 26, 1947, Serial No. 793,951
In France October 23, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 23, 1961
6 Claims. (Cl. 48—19)



1. An acetylene generator including a closed chamber having a carbide-retaining compartment defined within lower portions of the chamber, said carbide-retaining compartment having an imperforate bottom except for a very narrow water supply duct therein, a water supply tank having communication with said duct, the sidewalls of the water supply tank extending upwardly with respect to the chamber a distance sufficient to provide a head of water adapted to act through said duct and balance the pressure of acetylene generated within the chamber, a gas outlet passageway leading from upper portions of said chamber, a condenser into which said gas passageway opens, a gas supply conduit leading from upper portions of said condenser, a condensate conduit leading from lower portions of said condenser, and said condensate conduit incorporating a U-tube-type pressure seal adapted to contain a column of condensate in balance with pressure of gas within said condenser, whereby as demand for acetylene ceases said acetylene pressure forces water out of contact with carbide in the carbide-retaining compartment and down through said narrow duct without blow-by of gas.

2,581,872
PROPELLER FAN BLADE RETAINING CONSTRUCTION
William E. Morrison, Torrington, Conn., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut
Application November 21, 1946, Serial No. 711,273
7 Claims. (Cl. 170—173)

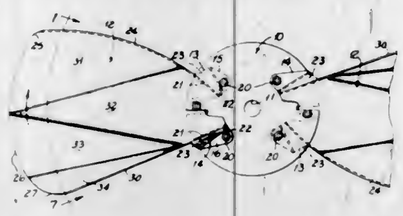


7. The combination in a fan, of a circular central disc provided with flat front and rear faces and adapted to be mounted for rotation in a predetermined direction about a central axis perpendicular to the said faces, the said disc having circularly spaced holes extending therethrough near its periphery, a plurality of radially extending air moving blades each having a main portion at an oblique angle to the faces of the disc and each having an inner portion at an oblique angle to the faces of the disc each of which inner portions has opposite edges which project forwardly and rearwardly beyond the said disc faces and each of the said blades also having two widely spaced tabs extending directly from the said inner blade portion at the said opposite outer edges thereof which tabs throughout their radial dimensions are offset toward the disc from the respective edges of the said inner portion and have inner faces perpendicular to the axis of rotation and respectively engaging the front and rear faces of the disc, the trailing tab on each blade overlapping the leading tab on the next following blade and the said tabs having holes therein so located that the hole in the trailing tab on each blade is in register with a corresponding hole in the disc and is also in register with the hole in the leading tab on the next following blade, and a plurality of fastening devices each extending through the hole in the trailing tab on a corresponding blade and through the corresponding hole in the disc and through the hole in the leading tab on the next following blade.

2,581,873
FAN BLADE AND ITS FORMATION
William E. Morrison, Torrington, Conn., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut
Application December 17, 1947, Serial No. 792,130
5 Claims. (Cl. 170—159)

1. The combination in a fan, of a rotatable hub and a plurality of similar blades secured thereto at substantial pitch angles each of which blades is of uniform thickness, the main portion of each blade beyond the root area thereof being generally concave at the pressure or forward side thereof and the leading and trailing areas of the said main portion beyond the said root area being forwardly curved sections tangent to a plane having a substantial pitch angle, the said leading forwardly curved section being tangent to the said plane along a line which intersects

a radial line through the center of the blade at a substantial angle with its outer end at the periphery and with its inner end at the leading edge of the blade and the said trailing forwardly



curved section being tangent to the said plane along a line which intersects the said radial line at a substantial angle with its outer end at the periphery and with its inner end terminating at the trailing edge of the blade.

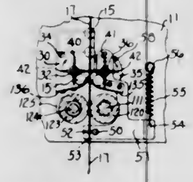
2,581,874

STRIPPER MECHANISM FOR ENCAPSULATING MACHINES

Rex E. Moule, Holden, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application March 2, 1951, Serial No. 213,626

20 Claims. (Cl. 18—1)



12. Apparatus of the class described comprising a pair of parallel take-up rolls mounted for rotation with their surfaces spaced a small distance apart such as to receive and take-up a network of gelatin in which capsules have been formed, driving mechanism simultaneously but intermittently to rotate said rolls in the same take-up direction, i. e. with adjacent surfaces moving in the same direction, a pair of parallel paddles having flexible blades mounted for rotation on axes parallel to the axes of the take-up rolls and mechanism for rotating said paddles in directions of rotation with adjacent peripheries moving in the same direction which is the same direction as that in which the adjacent surfaces of the rolls move.

2,581,875

PRY TYPE CAP LIFTER

Philip Palmer, New York, N. Y.

Application May 3, 1946, Serial No. 666,858

1 Claim. (Cl. 81—3.46)



A lifter, for a cap used as the closure of a container in which the cap has a skirt at its lower edge setting radially out away from the container, the container being provided with a radially extending portion just below the skirt, comprising a sheet metal shank and a pair of prongs near each other extending away from the shank, one prong having both its surfaces inclined to the surfaces of the other prong, at least one of said surfaces of each prong being concave to enable the concave surface of one prong to be inserted under the lower edge of the cap with the outer end of a prong so inserted higher than the lower edge of the cap while the other prong engages the radially extending portion of the container, said concave surface of one prong facing substantially in the opposite direction and away from said concave surface of the other prong.

2,581,876

GRID STRUCTURE FOR ELECTRON DISCHARGE DEVICES

William N. Parker, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Original application March 30, 1949, Serial No. 84,406. Divided and this application November 22, 1949, Serial No. 128,783

6 Claims. (Cl. 313—348)



1. A one piece electrode comprising a pair of end portions, one at each end of said electrode, and an array of elongated wires intermediate said end portions and integral therewith, said wires having a cross-sectional thickness of from .003 to .007 inches and being substantially thinner than said end portions.

2,581,877

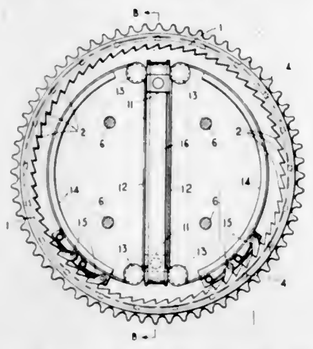
PEDAL PROPELLED DRIVING MECHANISM FOR BICYCLES AND THE LIKE

William J. Patterson, Leeds, England

Application February 15, 1950, Serial No. 144,255

In Great Britain November 22, 1948

5 Claims. (Cl. 74—111)



1. A pedal driving mechanism for both reciprocal and rotary pedal movements including in combination, a rotary housing, a driving sprocket rotatably mounted in the housing, said housing having slots in opposite sides thereof, pedal spindles reciprocally mounted in said slots, means operatively connecting said spindles to said driving sprocket so as to rotate the same upon reciprocal movement being imparted to the pedal spindles, and means for rotating said housing and said driving sprocket upon rotation of the pedal spindles.

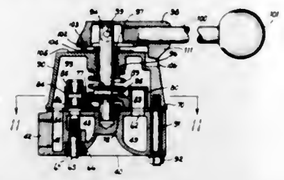
2,581,878

VALVE MECHANISM FOR CONTROLLING FLOW THROUGH ION EXCHANGE APPARATUS

Eric Pick, East Rockaway, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

Application June 16, 1947, Serial No. 754,985

2 Claims. (Cl. 137—69)



1. A valve mechanism for controlling flow through water treating apparatus having a tank containing a bed of ion exchange material, which comprises a valve body having therein an inlet chamber for connection to a source of water supply, a top chamber for connection to the top of said tank, a regenerant chamber for connection to a source of regenerating material, an outlet chamber for connection to a point of use, a bottom chamber for connection to the bottom of said tank, and a waste chamber for connection to a point of disposal, a flat face on said valve body, ports in said flat face arranged on a circle having eleven equally spaced port stations and including 3 ports in communication with said top chamber, one port in communication with said regenerant chamber, two ports in communication with said outlet chamber, two ports in communication with said bottom chamber, and two ports in communication with said waste chamber, a bonnet secured to said valve body and defining therewith a closed compartment, a passage in said valve body establishing permanent communication between said inlet chamber and said compartment, a rotor in said compartment having a flat surface opposed to said flat face on the valve body, ports in said rotor surface located on a circle having eleven equally spaced port stations matching the port stations in said flat face, an injector in said rotor, an inlet passage for said injector communicating with said compartment, an outlet passage for said injector communicating with one of said rotor ports, a suction passage for said injector communicating with another of said rotor ports, other passages in said rotor, said rotor ports and passages being so constructed and arranged as to establish various interconnections between certain of said body ports and said compartment in different angular positions of said rotor, and means for moving said rotor to different angular positions.

2,581,879

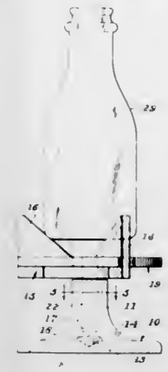
BOTTLE SPINNER

Whitney S. Powers, Jr., Elmira, N. Y., assignor to Thatcher Glass Manufacturing Company, Inc., Elmira, N. Y.

Application December 31, 1948, Serial No. 68,702

3 Claims. (Cl. 248—349)

1. A bottle spinner of the class described including a base having a vertically disposed recess extending upwardly therefrom, a revoluble member having a depending sleeve rotatably mounted in said recess, a spinner table having a depending stem vertically slidable in said sleeve, said table having spaced radial slots, said member having spaced inclined means extending upwardly through said slots for engaging and centering a bottle to be tested, said table when the bottle engages said inclined means being movable upwardly to engage and support the bottom of the bottle, and means for maintaining the table and



stem in an adjusted vertical position relative to said member so that the table may be moved to support the bottle irrespective of the size and diameter of the bottle.

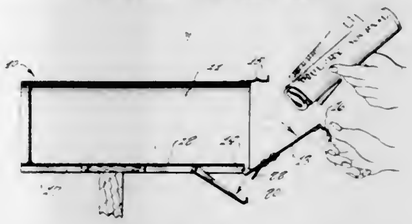
2,581,880

AUTOMATIC RURAL MAILBOX SIGNAL

Lawson Price, Rensselaer, Ind.

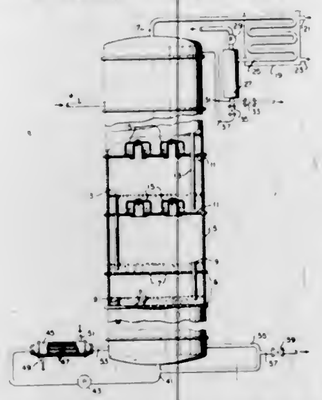
Application May 18, 1950, Serial No. 162,767

1 Claim. (Cl. 232—35)



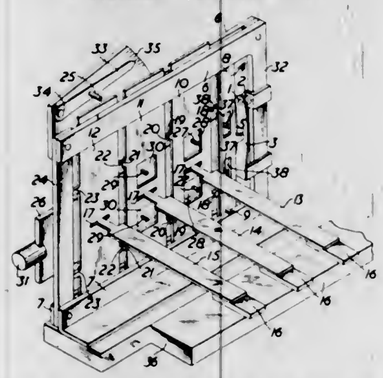
A rural mail box comprising a housing open at the front end and having a floor, said housing including opposed side walls extending below said floor thereby providing longitudinal flanges under the box, a door hingedly mounted on a horizontal axis extending substantially across the lower edge of said front end of the box and adapted normally to be positioned vertically against said open end of the box, releasable means for maintaining said door in vertical position as aforesaid, a signal comprising a normally horizontal plate-like member having one end thereof pivotally mounted on a horizontal axis between said flanges, said last-named axis being positioned rearward of said open end of the housing, said signal being urged by gravity into vertical position of suspension from said last-named axis, and means partly on said signal and partly on said door for releasably locking said signal in horizontal position after manual swinging of the signal to horizontal position and after said door is closed, said means comprising a doubled-back lip on the free end of said member extending outward from the normally upper side of said member, said door having a member secured thereto on the outer surface thereof, said door member having an extension extending at an acute angle to the plane of the door in a downward direction, said lip being engageable by said extension when said door is closed and said signal is positioned horizontally as aforesaid.

2,581,881
AQUEOUS FORMALDEHYDE DISTILLATION
Cyrus Pyle, New Castle, Del., and James A. Lane, Oak Ridge, Tenn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 11, 1948, Serial No. 32,306
2 Claims. (Cl. 202—40)



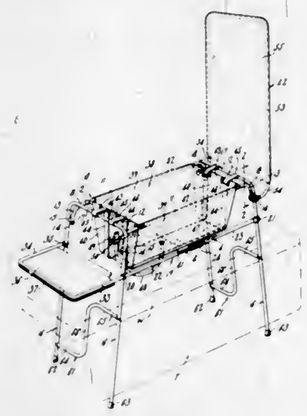
2. The method of concentrating aqueous formaldehyde in a fractionating column which comprises fractionating said aqueous solution of formaldehyde through a sufficient number of fractionating zones that the formaldehyde polymer content of said solution becomes so concentrated as to tend to accumulate in solid form, and passing the concentrated liquid downwardly through a series of vertical zones defined by horizontal perforated plates, passing vapor upwardly through the zones, the zones being of limited vertical extent, such that the upward passage of gas splashes liquid throughout the entire volume of the zone and against the confining bounds thereof.

2,581,882
DEVICE FOR PROTECTING POLYPHASE CIRCUITS
Cyril E. Randall, Bedford, England, assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 10, 1949, Serial No. 75,613
In Great Britain July 27, 1948
7 Claims. (Cl. 200—113)
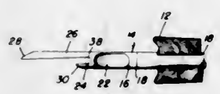


3. The combination with a switch having a movable element, of a fixed member, a group of slide members interposed between said fixed member and said movable switch element, said slide members bearing one against another and being of contour form such that the group is expansible or contractable for exerting or relieving pressure on said switch element by sliding any one of said slide members relative to an adjacent slide member and current responsive means for effecting sliding of said slide members individually and selectively according to unbalanced current conditions of said means.

2,581,883
BABY BATHING STAND
Morton D. Rechler, New York, N. Y., assignor to Rexart Metal Industries, Inc., New York, N. Y., a corporation of New York
Application August 5, 1948, Serial No. 42,609
5 Claims. (Cl. 4—177)



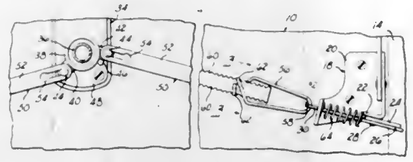
1. A baby bathing stand comprising a rectangular frame having two long sides and two short sides, leg members pivoted to the short sides of the frame to swing upwardly toward the frame and downwardly away from the frame, a rectangular collapsible tub supported at four sides by the frame, an adjustable spreader device forming a link between the leg members, and a tray carried by an extension of the spreader device.

2,581,884
THUMB GRIP NOCK
Walter D. Ringel, Monroe, Mich.
Application March 29, 1948, Serial No. 17,621
2 Claims. (Cl. 273—106.5)



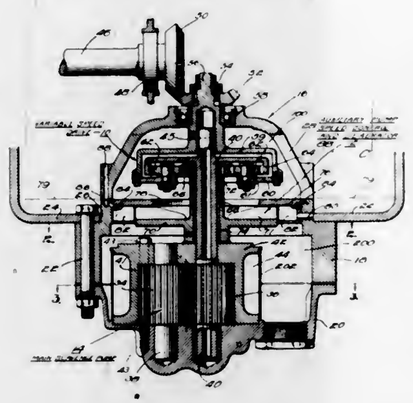
1. In a feathered archery arrow shaft having a nock end, a pair of concave finger grip sections in opposite sides of said shaft adjacent said nock end for gripping between adjoining fingers of the hand in positioning the shaft relative to a bowstring, and a pair of opposite rearwardly extending arms on said nock end spaced apart to form therebetween a bowstring receiving nock, one of said arms being longer than the other and extending rearwardly thereof for gripping between the thumb and palm of the hand while said fingers grip said sections and whereby to facilitate holding the shaft by the hand.

2,581,885
CONNECTING MEANS FOR DOOR LATCHES
David M. Robinson, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application December 22, 1948, Serial No. 66,698
3 Claims. (Cl. 287—58)



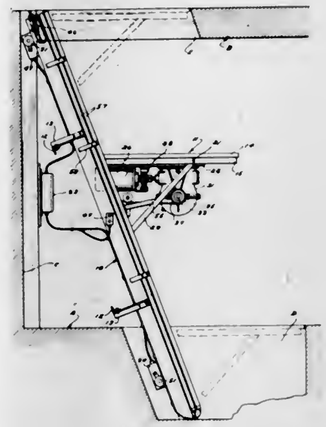
1. For use with a door having a latch means and an operating means spaced from said latch means, an adjustable link assembly constructed and arranged to connect said means and comprising in combination, a link attachable at one end to one of said means and having adjacent the other end thereof rows of opposed detent receiving notches arranged longitudinally along opposed edges of said link, and a resilient U-shaped member adjustably secured to the other end of said link and attachable to said other means, said resilient member having a pair of opposed detents formed on the ends thereof and normally biased into engagement with a pair of said opposed detent receiving notches of said link, whereby said link assembly may be adjusted to a predetermined effective length.

2,581,886
AUTOMATICALLY VARIABLE SPEED SCAVENGE PUMP DRIVE
Albert M. Rockwell, Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application February 4, 1947, Serial No. 726,314
9 Claims. (Cl. 103—23)



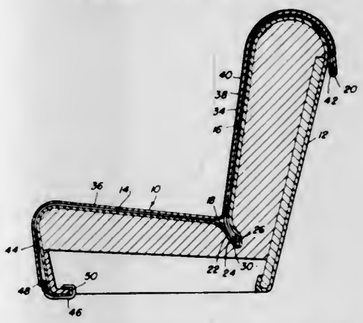
1. In an automatically variable speed pumping apparatus, an epicyclic gear train including a pair of gears which mesh with at least one planet gear, a pump driven by one of said gears, means for driving a second one of said gears, and a reaction device driven by the third gear for varying the speed of said pump in accordance with variations in the load on said reaction device.

2,581,887
CARGO LIFT
Stanley L. Saxton and Stephen E. Lowell, La Crosse, Wis.
Application December 7, 1949, Serial No. 131,668
11 Claims. (Cl. 187—12)



11. In a cargo lift of the character described, a pair of generally upright spaced rails, a carriage having rollers engaging said rails, cables secured to the upper ends of the rails, a motor operated winch mechanism on the carriage and operating the cables to pull the carriage up the rails or pay out the cable whereby the carriage may descend, the improvement which comprises a fail-safe mechanism including dogs adapted to engage the rails, a shaft on the carriage carrying said dogs, means connected to said shaft and having grooved rollers riding the cables operative when a cable loosens to initiate movement of the shaft to set said dogs against the rails, and a motor cut-off switch operatively arranged for actuation by said last mentioned means to also stop the motor as the dogs are applied to the rails.

2,581,888
AUTOMOBILE SEAT COVER
William A. Schlegel, Napoleon, and Richard J. Schlegel, Defiance, Ohio
Application February 3, 1948, Serial No. 6,056
1 Claim. (Cl. 155—182)

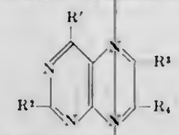


In a seat cover, the combination of a sheet provided at one end thereof with a pocket and having a pair of open ended hems extended at longitudinal edges of the sheet from said pocket, a substantially U-shaped frame affording a bight portion disposed in said pocket and a pair of side

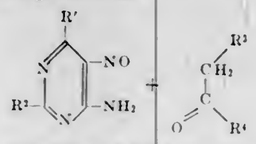
members extending through the respective hems, free end portions of said side members projecting from said hems and each terminating in a hook, and a crossbar extending transversely of said sheet and provided at one end thereof with an eye connected to the hook of one of said side members, the remaining end portion of said bar being engageable with the hook of the second side member, and a finger piece provided on said remaining end portion of the crossbar.

2,581,889
METHOD OF PREPARING PYRIMIDO-PYRAZINES
Geoffrey Millward Timmis, London, England, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York
No Drawing. Application July 6, 1949, Serial No. 103,319. In Great Britain July 7, 1948
4 Claims. (Cl. 260—251.5)

1. The process of preparing pyrimidopyrazine derivatives of the type represented by the formula

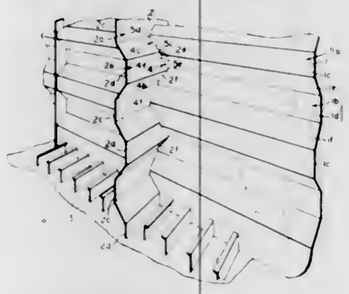


wherein R′ and R^2 are selected from the class consisting of amino, alkyl, aryl and hydroxy groups and hydrogen, R_3 and R_4 are selected from the class consisting of alkyl, and aryl groups and R_3 and R_4 may together constitute the elements of a cyclic system represented by the class consisting of the heterocyclic and homocyclic radicals, which process comprises reacting a pyrimidine with a reactant containing a carbonyl group of the following formula



wherein R′, R^2, R^3 and R^4 have the above identified values.

2,581,890
LONGITUDINAL AND TRANSVERSAL BULKHEADS IN SHIPS
Ditlev Tom-Petersen, Odense, Denmark
Application February 28, 1948, Serial No. 12,028
In Denmark February 11, 1947
Section 1, Public Law 690, August 8, 1946
Patent expires February 11, 1967
1 Claim. (Cl. 114—78)



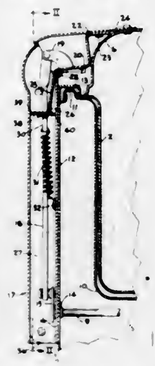
Bulkhead structure for ships comprising an upright bulkhead-plate having horizontal flutes including vertical and inclined portions, a second upright bulkhead-plate having horizontal flutes including vertical and inclined portions and having an edge profiled as the flutes of, and butted against, said first bulkhead-plate with said edge interfitted with the flutes thereof, said second bulkhead-plate disposed at right angles to the first bulkhead-plate and joined thereto by a welded continuous joint along said edge, successive flutes of said bulkhead-plates lying displaced between different horizontal planes in such a manner that vertical portions of the flutes in one bulkhead-plate throughout intersect the oblique portions of the flutes in the other bulkhead-plate at right angles, whereby all intersecting surfaces are perpendicular to each other.

2,581,891
WINDOW RETAINING MEANS
George C. Weingardt, Toledo, Ohio, assignor, by mesne assignments, to Tropic-Aire, Inc., Chicago, Ill., a corporation
Application December 13, 1946, Serial No. 715,972
2 Claims. (Cl. 189—78)



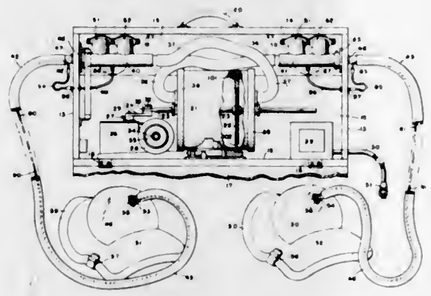
1. Means for retaining a molded window glass in an opening in a member comprising, in combination, a convex lip along one side of the opening in said member, a concave complementary groove undercut in one edge of said glass, an underlying flange on at least two of the other edges of said glass and a movable resilient latch mounted on the member and engageable over the flange on the side of said glass opposite said groove for holding said flange against said lip.

2,581,892
COVER HINGE
Lester W. White, Toledo, Ohio, assignor, by mesne assignments, to Tropic-Aire, Inc., Chicago, Ill., a corporation
Application June 28, 1947, Serial No. 757,697
4 Claims. (Cl. 220—17)



1. In a food roaster having a body and an open topped vertically removable food receptacle insertable therein, in combination, a cover for said receptacle; a horizontal hinge for mounting said cover on said body, said hinge having two wings and a horizontal hinge pin connecting said wings and being removably secured to said cover by one wing and pivotally connected to said body by the other wing, said hinge being pivotable only on its hinge pin to move said cover from closed position to a first open position with the lower edge of said cover vertically overlying the edge of said receptacle whereby condensation on said cover drips into said receptacle and being pivotable only on its connection to said body to move said cover from the first open position to a second open position with the entire cover lying vertically outside the edge of said receptacle whereby said receptacle may be removed vertically from said body when said cover is in the second open position; and manually operable means connected to said hinge for pivoting the same.

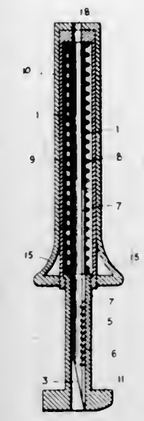
2,581,893
RESPIRATOR
Carl C. Wilm, Denver, Colo., assignor to J. J. Monaghan Company, Inc., Denver, Colo., a corporation of Colorado
Application August 2, 1949, Serial No. 108,139
6 Claims. (Cl. 128—30)
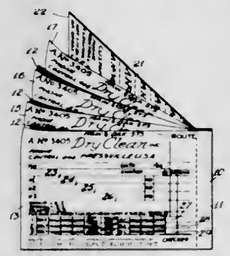


1. Respirator apparatus having a shell adapted to be fitted tightly to a patient's thorax, an instrument casing having a source of positive and negative pressured air-flows together with valve mechanism for controlling the degree of such air-flows as well as a pressure-indicating gauge and a conduit associated with the valve mechanism and the gauge for connecting the shell with said source; characterized by a connection between the interior of the shell and the gauge comprising a pressure-transmitting device from which such air-flows are significantly excluded so that any tendency of its interior volume to change is minimized, said device comprising a non-expansible tube passing tnrough the conduit lengthwise thereof and projecting into the shell a distance greater than does the conduit.

2,581,894
RUG MAKING NEEDLE
Clifford B. Wilson, Ossett, England
Application October 24, 1949, Serial No. 123,261
In Great Britain October 27, 1948
3 Claims. (Cl. 112—80)

1. The combination, in a rug making needle, of a tubular member pointed at one end and open at both ends for the passage of wool therethrough, a telescoping spring controlled outer sleeve having a guide shoe at one end, teeth internally arranged in said outer sleeve, said tubular member having a longitudinal slot, said teeth projecting through said slot and engaging and feeding wool through the tubular member when said member passes the wool through the guide shoe and through a backing so as to prevent the wool being withdrawn when the said member is retracted.

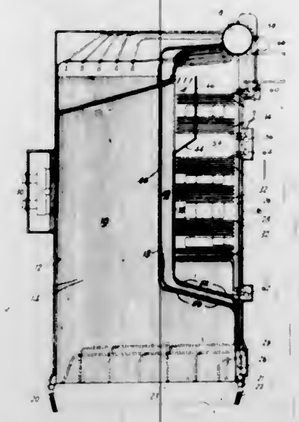


2,581,895
INVOICE ASSEMBLY FOR SERVICE ITEMS
Glenn C. Wilson, Oak Park, Ill.
Application July 19, 1949, Serial No. 105,477
2 Claims. (Cl. 282—23)



1. A plural sheet invoice for a plurality of items including a printed form master copy sheet for recording information regarding each of a plurality of items, individual invoice sheets for each of the plurality of items, said master copy sheet constituting the front page of the plural sheet invoice and having a printed form thereon including a plurality of consecutively numbered portions, said individual-invoice sheets constituting succeeding pages of said plural sheet invoice, a carbon paper sheet disposed between the master copy sheet and the first of said individual invoice sheets, individual carbon paper sheets between each of the remaining individual invoice sheets, said individual invoice sheets having a printed form thereon identical to said master copy sheet, and including the plurality of consecutively numbered portions, one of said individual invoice sheet pages having all portions other than the first consecutively numbered portion having means printed thereover eliminating ready readability of succeeding consecutively numbered portions, and each of the remaining individual invoice sheet pages having all portions other than the consecutively numbered portions corresponding to each of the other pages of the invoice sheet having means printed thereover eliminating ready readability, and one identifying number on every sheet of the plural sheet invoice.

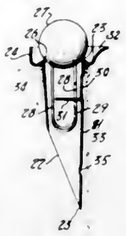
2,581,896
VAPOR GENERATOR
Charles H. Woolley, Cranford, N. J., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application April 26, 1949, Serial No. 89,601
2 Claims. (Cl. 122—480)



1. In a vapor generating and superheating installation, upright vapor generating wall tubes defining the boundary surfaces of a combustion chamber with a gas outlet at its lower part, fuel burning means associated with the upper part of the combustion chamber, wall means including some of said vapor generating tubes defining a main upright gas pass and an upright gas by-pass leading in parallel upwardly from the furnace gas outlet to the upper part of the installation, one of the walls formed by said wall means being common to the combustion chamber and the by-pass, the by-pass being disposed intermediate the main upright gas pass and the combustion chamber, some of the tubes of said wall means having parts extending in two groups arranged as tubular screens across which gas flows upwardly to the main gas pass, the gases to the by-pass passing over but one of the screens, said screens extending at an upward inclination from a wall of the combustion chamber to the walls of the by-pass, a convection section including a superheater having a bank of tubes extending across the upward flow of furnace gases in the main gas pass, and damper means at the upper part of one of said passes for proportioning the gas flow between the by-pass and the main upright gas pass.

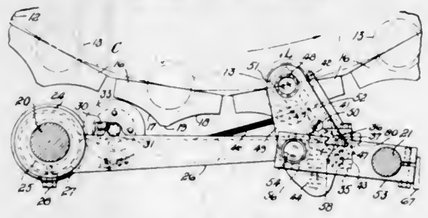
2,581,897
GRAVITY OPERATED CLOSURE WITH MEANS TO FORM AN OPENING IN A CONTAINER
Hugh C. Allen, Astoria, N. Y.
Application February 5, 1949, Serial No. 74,767
5 Claims. (Cl. 222—81)

1. In a closure device for receptacles such as cans and the like, in combination, a tubular metal body member adapted to be driven into the top of a receptacle, a pouring cup on the top of said body member of greater diameter than said body member, a valve seat on said body member at the juncture of said member and said cup, a valve head normally engaging said seat in substantially line contact and adapted to be moved away from said seat by outrush of liquid when said receptacle is tipped for pouring, guide means depending from said head in cooperative guiding relation with the interior of said tubular body member, and means within said body member to limit the movement of said valve and guiding
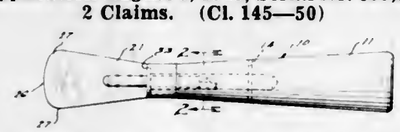


means, the bottom of said cup having a depression encircling said seat, whereby residual liquid may be drained from said seating contact line.

2,581,898
RECEPTACLE FILLING MECHANISM
Robert H. Alexander and Curtis Spicer, Warren, Pa., assignors to Sylvania Electric Products, Inc., a corporation of Massachusetts
Application March 25, 1948, Serial No. 17,004
11 Claims. (Cl. 18—30)



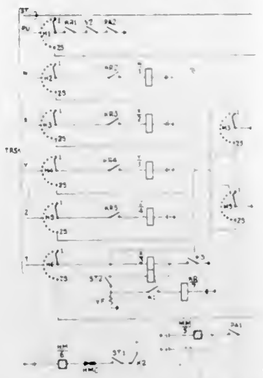
1. An arrangement for filling continuously moving receptacles including a transfer container having a position of rest, a dispensing container arranged to fill said transfer container in its position of rest, a mechanism for moving said transfer container to and from its position of rest and into the path of said moving receptacles, and means for coupling said transfer container in coaxial arrangement with one of said receptacles for movement along with said one receptacle and for releasing the charge in said transfer container into said receptacle.

2,581,899
SCREW DRIVER
Levi E. Bailey, Owosso, Mich.
Application August 9, 1945, Serial No. 609,806
2 Claims. (Cl. 145—50)



1. A screw driver including, in combination, a handle, a shank in the handle, and a screw driver blade extending from one end of said shank, the screw engaging end of the blade being of varying arcuate shape at the end and corner portions, the end portion being of greater radius than the radii of the arcuate portions at the corners thereof, the side edges of the blade sloping relative to said shank, the centers from which the arcuate end and corner portions are scribed falling within the blade.

2,581,900
EMERGENCY DISPLAY FOR TOLL TICKETING
George Thomas Baker, Liverpool, England, assignor to Automatic Electric Laboratories, Incorporated, Chicago, Ill., a corporation of Delaware
Application October 4, 1946, Serial No. 701,273
In Great Britain November 8, 1945
4 Claims. (Cl. 179—27)

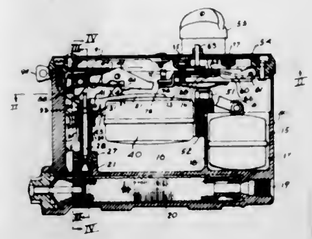


1. A telephone system wherein there is means for setting up specific markings on any of a plurality of sets of marking leads representing data concerned with an established telephone connection, an emergency identification equipment including a single display panel and a step-by-step automatic hunting switch individual thereto, said automatic switch having access to the leads to which said markings are applied, means associated with said equipment and operated in response, to the application of a series of said markings to a certain one of said sets of leads to operate said automatic switch to connect the particular set of leads on which said markings were applied to said equipment, and means controlled over said switch for successively receiving said markings and causing said markings to control said panel to temporarily display said data thereon.

2,581,901
LIQUID LEVEL CONTROL DEVICE
William A. Biermann and John T. Dulak, Milwaukee County, Wis., assignors to A P Controls Corporation, a corporation of Wisconsin
Application September 11, 1946, Serial No. 696,282
11 Claims. (Cl. 137—68)

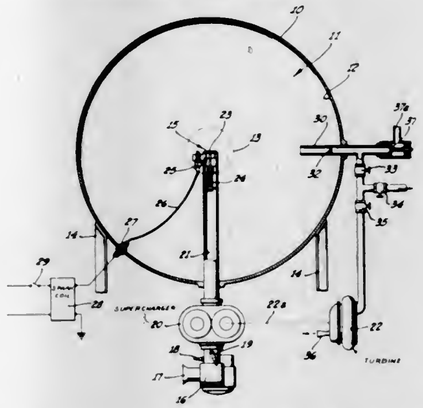
5. In a liquid control device, a casing, a valve seat in the casing, a valve matched to and cooperating with the seat to meter liquid flow, a spring biasing the valve away from the seat, a member connected to the valve stem and having diametrically opposed bosses formed thereon, an equalizing plate supported on said bosses and being tiltable with respect to said member, and float means pivotally mounted in the casing and including means acting on said plate at points equally spaced between said bosses.

7. In a liquid flow control device comprising, a casing, a valve biased to its open position and adapted to meter flow into the casing, a float responsive to liquid level in the casing to control the position of the valve, a striker mounted in the casing for movement about generally horizontal and vertical axes and adapted to punch said valve closed when moved downwardly about the horizontal axis, means biasing said striker downwardly, means for retaining said striker in an inoperative position and operable to release said striker when the level exceeds a predetermined maximum, a manually operable lever engaging said striker and operable to rotate said



striker about said vertical axis to release said striker from said retaining means when the lever is moved in one direction and operable to move said striker about said horizontal axis to re-set the striker in the retaining means when moved in another direction.

2,581,902
RESONANT GAS COMPRESSOR AND METHOD
Albert G. Bodine, Jr., Van Nuys, Calif.
Application April 23, 1945, Serial No. 589,753
24 Claims. (Cl. 60—35.6)



1. In combination: walls defining a closed cavity and a substantially curved sound-wave-reflecting surface shaped to reflect sound waves originating within a predetermined zone spaced from said reflecting surface, toward a focal zone of said reflecting surface, said cavity being adapted to contain a fluid; a thermally excited sound-wave generator located within said predetermined zone for establishing sound waves in said fluid, said generator being operable at a frequency high enough to produce sound waves whose quarter wave length is less than the distance between focal zone and reflecting surface, and which is such as to establish standing wave resonance, with sound waves launched toward said reflecting surface reflected and concentrated in said focal zone to produce a pressure anti-

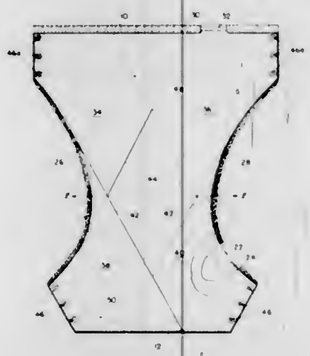
node at said focal zone and a velocity anti-node between said focal zone and said reflecting surface; means for intermittently introducing fluid to said pressure anti-node region of said cavity in response to decreasing pressure of said sound waves; and discharge means leading from the velocity anti-node region of said cavity.

23. In a resonant combustion chamber pump of the type described herein, a means for intermittently introducing a combustible mixture into said resonating combustion chamber which includes: a mixture intake pipe which is adjustable in length, one end opening into said resonating combustion chamber and the other end being closed; and means for introducing combustible mixture into said intake pipe.

2,581,903
METHYLATION OF CURARE
Malcolm D. Bray, Noblesville, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application November 3, 1949, Serial No. 125,398
5 Claims. (Cl. 260—236)

3. The process of obtaining a d-turbocurarine dimethyl ether salt which comprises treating tubocurare with a lower monohydric alcohol solution of a strong alkali, removing the alcoholic alkali-insoluble portion, heating the alcoholic alkali-soluble portion with a methyl ester of an inorganic acid, and evaporating the reaction mixture to a reduced volume to cause precipitation of the d-tubocurarine dimethyl ether salt.

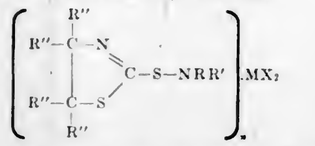
2,581,904
DIAPER PANTY
Frances Burns, Philadelphia, Pa.
Application February 1, 1951, Serial No. 208,927
4 Claims. (Cl. 128—287)



1. A diaper panty consisting of a substantially flat blank having two upper and two lower corners, a pocket provided at each of the four corners, the horizontal secured edge of each of said pockets extending beyond the vertical median line of the blank, and the other secured edge extending beyond the horizontal median line of the blank, whereby there is formed a pouch having a diamond-shaped opening at substantially the center of the blank for receiving a diaper and a continuous fluid-retaining channel about the outer periphery of the blank.

2,581,905
BIVALENT METAL HALIDE ADDITION COMPOUNDS OF SUBSTITUTED SULFENAMIDES
Edward L. Carr, Akron, Ohio, and John Richard Rafter, Bristol Ferry, R. I., assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application July 9, 1949, Serial No. 103,946
17 Claims. (Cl. 260—299)

1. Compounds having the formula



where R is selected from the group of radicals consisting of hydrogen, hydrocarbon alkyl, hydrocarbon aryl, hydrocarbon aralkyl, furfuryl and tetrahydrofurfuryl, R′ is selected from the goup of radicals consisting of hydrogen, hydrocarbon alkyl, hydrocarbon aryl, hydrocarbon aralkyl, furfuryl and tetrahydrofurfuryl, also where NRR′ is a heterocyclic radical in which RR′ is selected from the group consisting of alkylene and alkylene-oxy-alkylene, R″ is selected from the group of radicals consisting of hydrogen, hydrocarbon alkyl, hydrocarbon aryl, hydrocarbon aralkyl, furfuryl and tetrahydrofurfuryl, MX_2 is a complex-forming salt in which M is a bivalent metal of the group consisting of zinc, copper and cadmium and X is a halide radical of the class consisting of chlorine, bromine and iodine, and *n* is selected from the group consisting of 1 and 2.

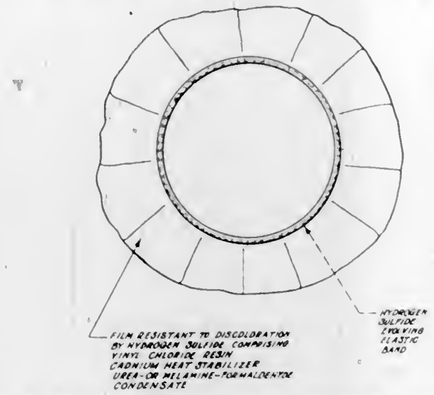
2,581,906
ANTIFLEX-CRACKING AGENTS IN RUBBER
George E. P. Smith, Jr., Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application July 1, 1948, Serial No. 36,300
6 Claims. (Cl. 260—810)

1. Cured natural rubber which contains as flex-cracking inhibitor a small amount of a cresylic acid alkylated by introduction of one to two hydrocarbon substituents of four to twelve carbon atoms per cresylic acid molecule, the alkylated cresylic acid being constituted of a mixture of compounds which boils above 100° C. at ten millimeters pressure and being derived from cresylic acid boiling at 190° to 250° C. at atmospheric pressure.

2,581,907
RUBBERY DIOLEFINIC POLYMERS CONTAINING AS ANTIOXIDANT A MIXTURE OF ANTIMONY OXIDE AND A 2,4,6 TRIHYDROCARBON SUBSTITUTED PHENOL
George E. P. Smith, Jr., and Harry E. Albert, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application March 9, 1946, Serial No. 653,427
12 Claims. (Cl. 260—45.75)

1. A rubber-like copolymer of a conjugated diene and a vinyl aromatic monomer which contains as antioxidant a mixture of antimony oxide and a 2,4,6-trisubstituted phenol in which the substituents are nonaryl hydrocarbon substituents, the substituent in the para position contains 1 to 10 carbon atoms, and the sum of the carbon atoms in the ortho positions is 2 to 20.

2,581,908
NONDISCOLORING STABILIZED VINYL CHLORIDE RESIN COMPOSITIONS
Siegfried M. Kinzinger, Pottstown, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 18, 1950, Serial No. 155,697
7 Claims. (Cl. 260—45.2)



1. A composition stable to heat and light and resistant to discoloration by contact with hydrogen sulfide comprising (1) a resin selected from the group consisting of polymers of vinyl chloride and copolymers thereof with other unsaturated compounds copolymerizable therewith and containing at least 80% of vinyl chloride copolymerized therein (2) a cadmium mercaptide and (3) a condensate selected from the group consisting of urea-formaldehyde and melamine-formaldehyde condensates.

2,581,909
STABILIZATION OF ACRYLONITRILE-BUTADIENE-1,3 COPOLYMERS
Harry E. Albert and George E. P. Smith, Jr., Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application March 30, 1949, Serial No. 84,493
2 Claims. (Cl. 260—45.75)

1. A method of retarding the deterioration of acrylonitrile-butadiene-1,3 copolymers which comprises incorporating therein a small amount of antimonyl catecholate.

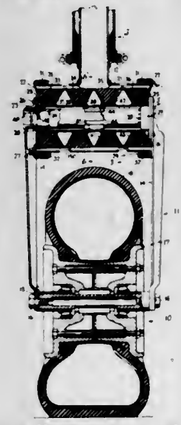
2,581,910
ACRYLONITRILE-BUTADIENE-1,3 COPOLYMERS STABILIZED BY ANTIMONYL P-PHENYL CATECHOLATE
Harry E. Albert and George E. P. Smith, Jr., Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Original application March 30, 1949, Serial No. 84,493. Divided and this application May 29, 1951, Serial No. 229,531
2 Claims. (Cl. 260—45.75)

2. A composition comprising acrylonitrile-butadiene-1,3 copolymer and a small amount of antimonyl p-phenyl catecholate.

2,581,911
ACRYLONITRILE-BUTADIENE-1,3 COPOLYMERS STABILIZED BY ANTIMONYL PYROGALLOLATE
Harry E. Albert and George E. P. Smith, Jr., Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Original application March 30, 1949, Serial No. 84,493. Divided and this application May 29, 1951, Serial No. 229,532
2 Claims. (Cl. 260—45.75)

2. A composition comprising acrylonitrile-butadiene-1,3 copolymer and a small amount of antimonyl pyrogallolate.

2,581,912
TORSIONAL SUPPORT
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 16, 1947, Serial No. 748,599
12 Claims. (Cl. 267—21)



1. In a torsionally sprung wheel suspension, a wheel support, a cylindrical housing mounted on said support, an axle mounted for rotation within said housing, a plurality of rubber rings mounted within said housing about said axle, a pair of metal face plates secured to opposite faces of each of said rings, means for compressing said rubber rings axially of said housing, means for securing one of each of said pairs of face plates to said axle for movement therewith, each of the other of said face plates having notches formed in its radially outer surface, stop means on said housing extending into the bore thereof for engaging the said notches to position the notched face plates against arcuate movement in one direction, said housing also having limit means associated therewith for limiting axial movement of said notched face plates into said housing, an arm mounted on said axle, and a wheel mounted on said arm and adapted to deflect the latter to place the rubber rings under a changing shear stress as a kinetic load is applied to said wheel.

2,581,913
METHODS OF MAKING STANNOUS SALTS OF POLYHYDROXY AROMATIC COMPOUNDS
George E. P. Smith, Jr., Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application May 22, 1948, Serial No. 28,728
7 Claims. (Cl. 260—429)

1. The process of producing the normal stan-

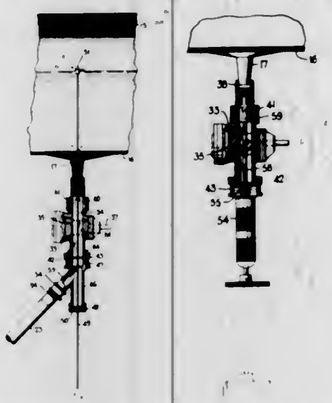
nous salt of a compound of the class consisting of catechol and hydrocarbon-substituted catechols which comprises dissolving the compound and stannous salt of a mineral acid in a non-acid, inert solvent in which the first salt is insoluble, and then adding alkali so as to form and precipitate the salt, the reactants being used in the ratio of two molecular proportions of alkali for one molecular proportion of catechol and one molecular proportion of the stannous salt.

2,581,914

APPARATUS FOR FILLING TIRES WITH A LIQUID

Burgess Darrow, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application June 20, 1945, Serial No. 600,568
4 Claims. (Cl. 226—20.8)



1. In apparatus for use in filling tires with liquid, the combination of a housing having an axial passage therethrough, means on one end of the housing adapted for fluid tight connection with the valve stem of a tire, a plug valve in said housing for controlling the flow of liquid through said passage, and a member removably mountable on the opposite end of said housing, said member including an element extending therethrough and movable relatively thereof in axial alignment with the housing passage, and of such size as to be capable of passing through the plug valve when the latter is in open position, a plurality of such members being provided for engagement with said housing to perform different actions in filling and sealing the tire.

2,581,915

STABILIZED VINYL CHLORIDE RESIN FILMS

Milton Ray Radcliffe, Winchester, Va., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application October 17, 1947, Serial No. 780,581
8 Claims. (Cl. 18—57)

5. Process which comprises calendering, at temperatures from 315° F. to 350° F., a composition comprising a resin selected from the group consisting of polymers of vinyl chloride and copolymers thereof with up to 20%, based on the weight of copolymers, of other unsaturated compounds copolymerizable therewith, said film containing as a stabilizer from 0.25% to 5.0% of a cadmium alkyl mercaptide in which the alkyl groups contain from 5 to 20 carbon atoms.

2,581,916

FORMATION OF TERPENE ARYL ETHERS

Leland J. Kitchen, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application February 21, 1948, Serial No. 10,183
5 Claims. (Cl. 260—611)

1. The process of producing an isobornyl aryl ether from a phenol and a terpene of the class consisting of camphene and tricyclene which comprises reacting the same in the presence of an acid catalyst at a temperature between about −30 and +30° C.

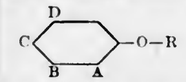
2,581,917

ISOBORNYL ARYL ETHERS

Leland J. Kitchen, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application February 21, 1948, Serial No. 10,185
6 Claims. (Cl. 260—612)

1. Isobornyl aryl ethers of the formula



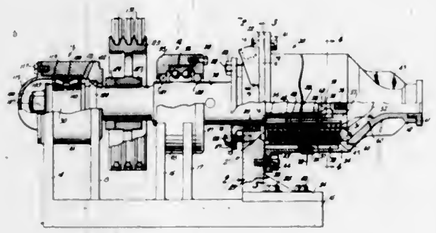
wherein A, B, C and D are radicals selected from the group consisting of hydrogen, a halogen, alkyl, hydroxy and alkoxy radicals, and R is isobornyl, no more than two halogen and alkyl groups are present, and no more than one alkoxy and hydroxy groups are present.

2,581,918

FOAMING APPARATUS

George A. Spencer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application February 3, 1950, Serial No. 142,275
8 Claims. (Cl. 259—9)



1. An apparatus for continuous production of foamed liquid-air mixtures, which comprises a central shaft with a plurality of journal supports, an auxiliary support, through and beyond which said shaft extends, a housing secured to said auxiliary support, cantilever fashion, and in surrounding relation to the extension of said shaft and having an exit passage axially aligned with said shaft, a series of spaced stator plates interiorly of said housing having fingers arranged radially of said shaft, a series of spaced, rotor plates secured to said shaft and having fingers disposed radially of said shaft and extending into the spaces between pairs of said stator plates, said auxiliary support having charging openings communicating with the interior of said housing.

2,581,919

AROMATIC HYDROXY SULFIDES

Harry E. Albert, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application January 26, 1946, Serial No. 643,828
3 Claims. (Cl. 260—609)

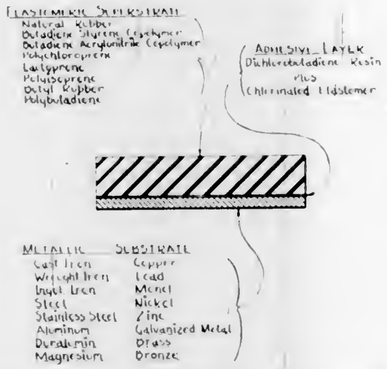
1. Di(4,6-di-tertiary-butyl - meta - cresol) sulfides.

2,581,920

RUBBER TO METAL ADHESIVE COMPRISING DICHLOROBUTADIENE RESIN AND A CHLORINATED ELASTOMER AND USE THEREOF

Leroy B. Kuhn, Pottstown, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application March 21, 1947, Serial No. 736,148
15 Claims. (Cl. 154—130)



3. An adhered structure comprising a metallic substrate selected from the class of materials consisting of cast iron, wrought iron, ingot iron, steel, stainless steel, aluminum, duralumin, magnesium, copper, lead, Monel metal, nickel, zinc, galvanized metals, brass and bronze, an elastomeric superstrate selected from the class of elastomeric materials consisting of natural rubber, butadiene-styrene copolymers, butadiene-acrylonitrile copolymers, polychloroprene, lactoprene, polyisoprene, butyl rubber and polybutadiene, and an interposed adhesive layer comprising a substance selected from the group consisting of resinous homopolymers of 2,3-dichlorobutadiene-1,3, and resinous copolymers thereof with unsaturated compounds copolymerizable therewith and containing at least 60% of 2,3-dichlorobutadiene-1,3 copolymerized therein, and a bodying resin selected from the group consisting of (*a*) chlorinated (1) polychloroprene, (2) polyvinyl chloride and (3) polyvinylidene chloride and (*b*) chlorinated, hydrochlorinated and chlorinated-hydrochlorinated (1) rubber, (2) balata, (3) gutta percha, (4) Chilte gum, (5) polybutadiene, (6) synthetic polyisoprene and (7) butadiene-styrene copolymers.

15. A flowable adhesive composition comprising an organic solvent, a broken-down gel of a substance selected from the group consisting of resinous homopolymers of 2,3-dichlorobutadiene-1,3 and copolymers thereof with other unsaturated compounds copolymerizable therewith and containing at least 60% of 2,3-dichlorobutadiene-1,3 copolymerized therein, and a bodying resin selected from the group consisting of (*a*) chlorinated (1) polychloroprene (2) polyvinyl chloride and (3) polyvinylidene chloride and (*b*) chlorinated, hydrochlorinated and chlorinated hydrochlorinated (1) rubber, (2) balata, (3) gutta percha, (4) Chilte gum, (5) polybutadiene (6) synthetic polyisoprene and (7) butadiene-styrene copolymers, said broken-down gel having been formed by heating the composition to a temperature above 60° C. to dissolve the mass, and then cooling with vigorous agitation.

2,581,921

PROCESS OF PRODUCING N-MONO-SUBSTITUTED SULFENAMIDES

Glen Alliger, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application December 14, 1949, Serial No. 133,015
4 Claims. (Cl. 260—306.6)

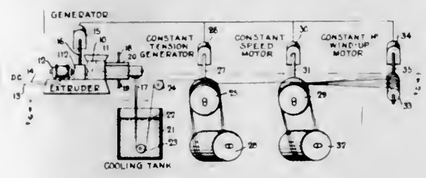
1. In the process of producing a sulfenamide from a mercaptide, a non-aromatic amine and an oxidizing agent in aqueous solution, the improvement which consists in filtering the reaction product from an aqueous reaction mixture in the presence of a second liquid phase which contains an organic solvent which is not completely miscible with water, is inert with respect to the reactants and the product of the reaction, is soluble in water to the extent of at least one part of solvent in 100 parts of water at the reaction temperature, and dissolves five to thirty parts of the sulfenamide in one hundred parts of solvent at the reaction temperature, the solvent being present in such small amount that it does not dissolve any substantial amount of the sulfenamide.

2,581,922

APPARATUS FOR AND METHOD OF FORMING FILAMENTS

George A. Spencer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application February 5, 1947, Serial No. 726,486
9 Claims. (Cl. 18—8)



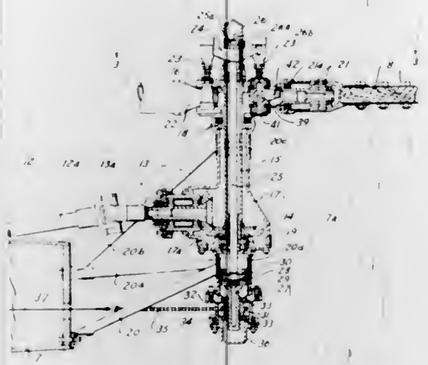
1. A device of the character described, having in combination, a power-driven extruder for producing continuously extruded material, a generator operatively associated with said extruder and driven simultaneously with said extruder to generate a voltage proportional to the rate of extrusion, means for applying tension to said continuously moving extruded material comprising a first rotatable member adapted to receive said material from the extruder and a second rotatable member adapted to receive said material from said first member, a motor energized by said generator to drive said second member at a speed greater than and proportional to the rate of extrusion, and a drag motor connected with said first member to limit the speed of rotation thereof to a speed substantially less than the speed of said second member to establish a differential in the speed of said members and to impart tension to said material.

2,581,923

AUXILIARY ROTOR FOR HELICOPTERS

Harris S. Campbell, Bryn Athyn, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application November 25, 1947, Serial No. 787,904
8 Claims. (Cl. 244—17.19)



8. A helicopter having an elongated fuselage structure symmetrical about a vertical longitudinal plane and terminating in a generally vertical bulkhead, a tail rotor unit located with its thrust axis transverse to said fuselage structure and supported by an unsymmetrical bracket structure mounted on said bulkhead, said rotor unit comprising a rotor shaft, a drive shaft extending from the side of said fuselage and arranged at an acute angle thereto, co-acting means on said rotor shaft and drive shaft for imparting rotation to said rotor shaft and located in spaced relation to said fuselage laterally thereof, rotary pitch control means detachably connected to said rotor unit, arranged co-axially with said rotor shaft and substantially aligned with the longitudinal axis of said fuselage, and control means passing through said bulkhead and operatively connected with said pitch control means.

2,581,924

STABILIZATION OF RUBBERS

George E. P. Smith, Jr. and Harry E. Albert, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application January 10, 1948, Serial No. 1,673
19 Claims. (Cl. 260—45.75)

1. A rubber material of the class consisting of natural rubber and rubbery copolymers of conjugated-diene monomer and vinyl monomer, which contains a stabilizing amount of the stannous salt of an alicyclic carboxylic acid.

2,581,925

1,1-DICHLOROBUTADIENE-1,3, ITS PREPARATION AND POLYMERS

Grant Crane and Kenneth C. Eberly, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application October 9, 1948, Serial No. 53,752
6 Claims. (Cl. 260—82.1)

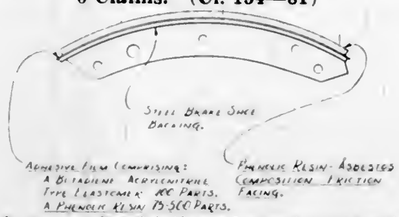
3. Copolymers of 1,1-dichlorobutadiene-1,3 with up to 25% of other ethylenically unsaturated compounds copolymerizable therewith and selected from the group consisting of styrene, acrylonitrile, butadiene, vinyl acetate, and vinylidene chloride.

2,581,926

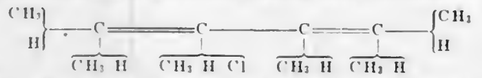
FRICTION ELEMENTS

Frank J. Groten, Upper Montclair, N. J., and Robert J. Reid, Canal Fulton, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

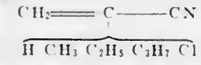
Application October 18, 1946, Serial No. 704,272
6 Claims. (Cl. 154—81)



1. A composite friction element comprising a steel backing, and a phenolic resin asbestos composition friction facing adhesively secured thereto by means of a bonding medium comprising, by weight, a cured butadiene-acrylonitrile-type elastomer, 100 parts, and a cured phenolic resin, 75–500 parts, said elastomer being a copolymer of a compound having the formula

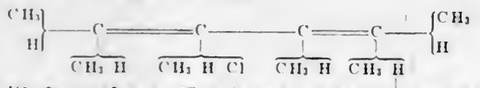


with from 10% to 75%, based on the total weight of copolymerized compounds, of a compound having the formula

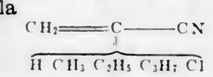


in which formulae each bracket indicates the attachment of a substituent selected from the group of substituents consisting of those shown embraced thereby, and said phenolic resin being the resinous condensation product of an aldehyde with a compound selected from the group consisting of phenol, the cresols, the dihydroxybenzenes and mixtures containing compounds of this group.

4. The method which comprises superposing a phenolic resin asbestos composition friction facing upon a steel backing with a self-supporting adhesive film having a thickness of from .005 inch to .020 inch interposed therebetween, said film comprising, by weight, an uncured butadiene-acrylonitrile-type elastomer, 100 parts, and an uncured thermosetting phenolic resin, 75–500 parts, said elastomer being a copolymer of a compound having the formula



with from 10% to 75%, based on the total weight of copolymerized compounds, of a compound having the formula



in which formulae each bracket indicates the attachment of a substituent selected from the group of substituents consisting of those shown embraced thereby, and said phenolic resin being the resinous condensation product of an aldehyde with a compound selected from the group consisting of phenol, the cresols, the dihydroxybenzenes and mixtures containing compounds of this group, and subjecting the assembly to heat and pressure to cause the film to fuse and flow into intimate contact with the facing and backing, and to convert the film to a final cured state.

2,581,927

CHLORINATION OF BUTADIENE POLYMERS AND COPOLYMERS

Raymond C. Briant, Baltimore, Md., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application April 14, 1949, Serial No. 87,583
9 Claims. (Cl. 260—96)

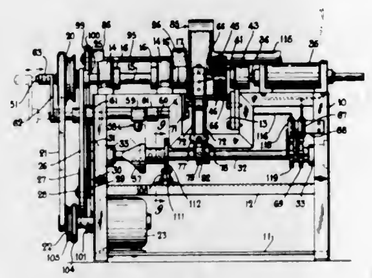
1. Process which comprises injecting chlorine into a solution of an elastomer in a solvent selected from the group consisting of (*a*) mixtures of carbon tetrachloride with ethylene dichloride, (*b*) mixtures of carbon tetrachloride with 1,1,2,2-tetrachloroethane and (*c*) mixtures of carbon tetrachloride with ethylene dichloride and 1,1,2,2-tetrachloroethane, said solvent containing at least 80% of carbon tetrachloride and not more than the maximum percentages of carbon tetrachloride and of elastomer set out in Table A opposite the viscosity range of the elastomer, said elastomer being selected from the group consisting of polymers of butadiene and copolymers thereof with other unsaturated compounds copolymerizable therewith containing at least 75% of butadiene copolymerized therein.

2,581,928

WHEEL FINISHING MACHINE

Edwin N. Broden, Assonet, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application October 19, 1946, Serial No. 704,368
6 Claims. (Cl. 82—2.7)



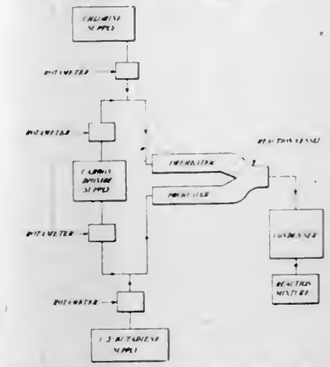
1. A wheel finishing machine comprising a work-holding chuck composed of two confronting axially aligned rotatable elements, power-driving means for one of said elements to rotate the same, a fluid pressure operated means for moving the other chuck element axially toward and away from the first mentioned chuck element, to confine a work-piece therebetween, a freely rotatable nose-piece journaled on the work-engaging end of last mentioned chuck element, a tapered pilot located at the axis of the power-driven chuck element and projecting therefrom adapted to enter an axial aperture in a work-piece to center the same, yielding means normally holding said pilot in projected position, and power operated means for retracting the pilot out of engagement with the work in determinate time-relation to operation of the fluid pressure cylinder.

2,581,929

CHLORINATION OF BUTADIENE

Kenneth C. Eberly, Akron, and Robert J. Reid, Canal Fulton, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 6, 1948, Serial No. 63,684
3 Claims. (Cl. 260—655)



1. The method of chlorinating the terminal carbons of 1,3-butadiene without substantial chlorination of the non-terminal carbons, with the production of mono-, di-, tri- and tetrachlorobutadienes, which comprises reacting two to three volumes of 1,3-butadiene with three volumes of chlorine, in one to three volumes of an inert atmosphere per volume of reactants, at atmospheric pressure at a temperature of 350° C. to 450° C. for a reaction period of substantially 0.25 to 4 seconds, and rapidly cooling the reaction product.

2,581,930

STABILIZATION OF RUBBER WITH A MIXTURE OF A PHENOL SULFIDE AND TRIVALENT ANTIMONY OXIDE

Harry E. Albert, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application January 25, 1950, Serial No. 140,555
5 Claims. (Cl. 260—45.75)

1. Rubber-like copolymer of a hydrocarbon conjugated-diene monomer and vinyl aromatic monomer stabilized with a relatively small amount of a mixture of trivalent antimony oxide and a phenol sulfide of 2 to 5 aromatic nuclei of the class in which the nuclei are unsubstituted, those which are halogen substituted, and those which are substituted with hydrocarbon groups of 1 to 10 carbon atoms, which mixture contains at least 10 parts by weight of the one component and up to 90 parts by weight of the other component.

2,581,931

STABILIZATION OF RUBBERY MATERIALS BY THE USE OF TIN OR ANTIMONY SALTS OF PHENOL REACTION PRODUCTS

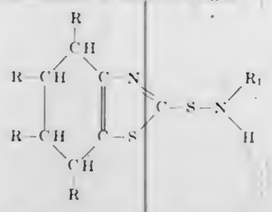
Harry E. Albert, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application March 17, 1949, Serial No. 82,009
28 Claims. (Cl. 260—45.75)

1. Material of the class consisting of rubber and rubbery copolymer of conjugated-diene monomer and vinyl aromatic monomer stabilized with a salt of the class consisting of stannous and antimony salts of the soluble reaction products of a phenol and reactane of the class consisting of aldehydes and ketones.

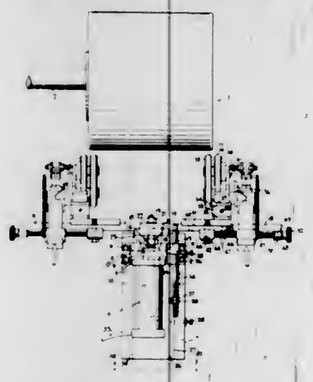
2,581,932
TETRAHYDROBENZOTHIAZOLE SULFENAMIDES
George E. P. Smith, Jr., Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application January 12, 1950, Serial No. 138,266
5 Claims. (Cl. 260—302)

3. A sulfenamide of the formula



wherein R is a member of the group consisting of hydrogen, alkyl radicals and alkoxy radicals, and R_1 is selected from the group consisting of hydrogen, alkyl radicals, the benzyl radical and cycloalkyl radicals.

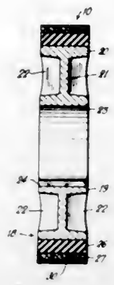
2,581,933
STITCHER FOR TIRE-BUILDING APPARATUS
Horace D. Stevens, Sarasota, Fla., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 27, 1950, Serial No. 158,482
18 Claims. (Cl. 154—10)



7. For use with a tire-building apparatus, a stitcher unit comprising a first pair of sheaves, an endless, resilient belt carried on said first pair of sheaves, a second pair of sheaves coaxially mounted, respectively, with said first pair of sheaves and secured thereto for rotation therewith, a second, endless, resilient belt carried on said second pair of sheaves, and means contacting said second belt intermediate its carrying sheaves and urging said second belt away from the plane of rotation of said second pair of sheaves.

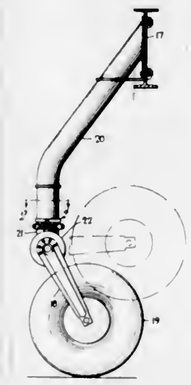
2,581,934
ABRADING ROLL
Le Roy M. Kubaugh, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 4, 1949, Serial No. 85,321
12 Claims. (Cl. 51—190)

1. An abrasive tool comprising a rigid central shaft, a series of rigid rings keyed to said shaft, a first ring of resilient material surrounding each of said rigid rings, a second ring of resilient material surrounding each of said first resilient rings, said second resilient rings comprising a



dispersion of fibers in a rubbery material, and an outer coating of grit on said second resilient ring, adhesively bonded to the fibers at the surface zone thereof.

2,581,935
AIRCRAFT UNDERCARRIAGE
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 28, 1947, Serial No. 731,590
7 Claims. (Cl. 244—104)

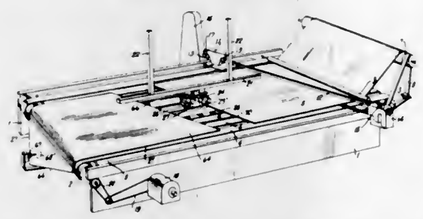


5. In an aircraft undercarriage, a castor type landing wheel mounting assembly comprising a tubular member fixed to the aircraft to depend therefrom, said tubular member including a cylindrical lower end portion, a wheel carrying cylinder having one only of its ends telescopically mounted longitudinally slidable in an end portion only of the cylindrical portion of said tubular member, resilient torsion resistance means interposed between said tubular member and said cylinder, axially spaced cooperating radially extending flanges fixedly attached to said tubular member and cylinder respectively, a resilient thrust bearing disposed between said flanges, a clamp ring engaged with the radially outer edge portion of said flanges, said ring having a loose axial fit to said flanges thereby permitting a limited relative axial movement between said tubular member and cylinder.

2,581,936
REACTION OF SUBSTITUTED SULFENAMIDES WITH KETONES AND USE OF REACTION PRODUCT IN RUBBER VULCANIZATION
Edward L. Carr, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application July 2, 1949, Serial No. 102,937
23 Claims. (Cl. 260—306.6)

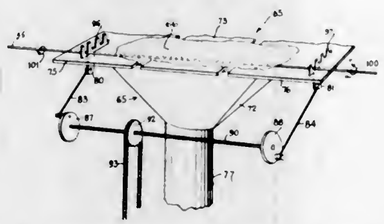
1. A reaction product of a ketone and a sulfenamide having at least one hydrogen atom attached to the amido nitrogen atom thereof and selected from the group consisting of thiazoline, thiazole and thiocarbamyl sulfenamides.

2,581,937
BIAS CUTTER CONTROL MECHANISM
William J. Secrest, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 22, 1949, Serial No. 117,189
14 Claims. (Cl. 164—48)



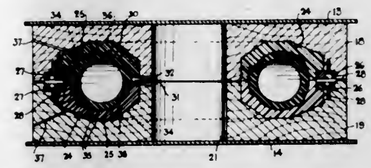
1. In a machine as in claim 14, a third photoelectric cell and light source spaced from the first mentioned cells in the direction of advance of the cut material and adapted to stop the motor on interruption of the light from its source.

2,581,938
APPARATUS FOR APPLYING POWDER TO THREAD
Carl R. Swanson, Central Village, and Ernest W. Olson, Swansea, Mass., and Frank L. Armitage, Barrington, R. I., assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application August 4, 1947, Serial No. 765,998. Divided and this application March 5, 1949, Serial No. 79,808
2 Claims. (Cl. 91—46)



1. In a device for applying powder to the outer surface of thread, in combination with a supported member having a flat, upper surface, a pair of members having flat, upper surfaces coplanar with said surface of said supported member, and positioned laterally adjacent and on opposite sides of said supported member, said pair of members being mounted for slidable displacement transversely of said supported member in the common plane of said members, guide means for the thread on each of said pair of members, and means connected to said pair of members and arranged to reciprocate them in opposite directions.

2,581,939
MOLD FOR ELECTRONIC VULCANIZATION
Herbert Henry Deist and Fred H. Mason, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 5, 1947, Serial No. 759,048
3 Claims. (Cl. 18—47)

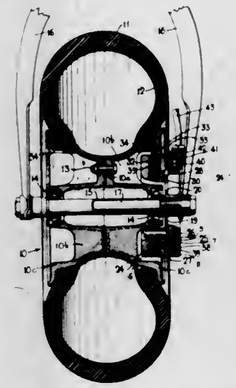


1. In a mold for electronic vulcanization, the combination of a pair of mating mold sections composed principally of wood and provided with complemental recesses in the confronting faces thereof, and matrices removably mounted in the respective recesses and constituting a lining therefor, said matrices composed of sintered glass.

2,581,940
STANNOUS ALKYLCATECHOLATES
George E. P. Smith, Jr., Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application August 10, 1948, Serial No. 43,529
5 Claims. (Cl. 260—429)

1. Stannous alkylcatecholates.

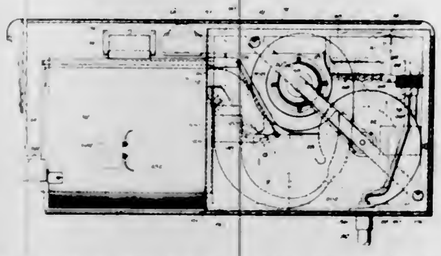
2,581,941
BRAKE WITH LUBRICATED DISKS
Byron H. Shinn, Springfield Township, Summit County, Ohio, and John E. Ullman, Dublin, Pa., assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 24, 1946, Serial No. 686,004
2 Claims. (Cl. 188—72)



1. A wheel brake of the character described mounted between a hub bearing and a rim of a wheel, comprising a brake disc having a slidable engagement with said rim and being rotatable therewith between non-rotatable disc members

mounted on said hub, said disc members having faces of copper alloy confronting the sides of the rotatable brake disc, said rotatable brake disc being composed of molded composition of amorphous asbestos, and not less than eight, or more than twenty per cent graphite lubricant.

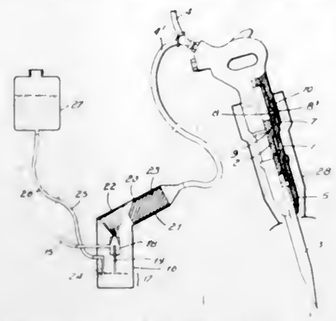
2,581,942
FUEL BURNING AIR HEATER
Arthur R. Collins, Frank A. Ryder, and Ross D. Randall, Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 17, 1946, Serial No. 684,350
9 Claims. (Cl. 126—110)



2. A heater comprising a heat exchanger, said heat exchanger having means forming longitudinally extending ventilating air passages open at the ends and a combustion space, a chassis for said heater having a partition forming a fire wall, said fire wall having an opening therein to fit said heat exchanger, ventilating air blower means located at one side of said fire wall and connected to pass ventilating air through said ventilating air passages, a casing enclosing said chassis and heat exchanger and having a removable wall substantially perpendicular to said fire wall, said casing having a set of air inlet openings communicating with the space inside of said casing at one side of said partition, and a second set of openings communicating with the interior of said casing on the other side of said partition, said removable casing wall having a baffle forming member which together with said fire wall divide the space interiorly of said casing into two spaces communicating with each other by way of said openings and the exterior air on the one hand and by way of said ventilating blower and the ventilating air passages through said heat exchanger on the other hand.

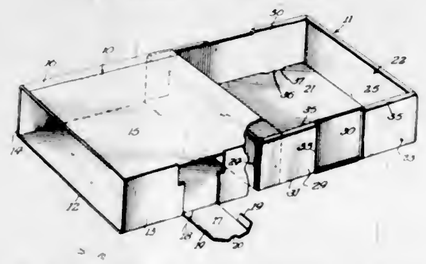
2,581,943
MEANS FOR ELIMINATING DUST PRODUCED BY PNEUMATIC DRILLS
Lucien Adolphe Jean-Baptiste Dautrebande, Rhode-Saint-Genese, Belgium, assignor to Aerosol Corporation of America, New York, N. Y., a corporation of Delaware
Application November 29, 1946, Serial No. 713,058
In Belgium November 30, 1945
4 Claims. (Cl. 255—49)

1. A device for eliminating air-borne dust generated by the operation of a pneumatic drill comprising, in combination, means for the production of an aerosol, means for mixing aerosol with compressed air, means for charging the drill mechanism with aerosol-compressed air mixture to operate the same, a sheath surrounding said drill mechanism, defining a space therebetween and having an annular opening at the lower end thereof, and exhaust means connecting said drill mechanism with the space within said sheath for introducing aerosol-air mixture therewithin and arranged to direct a flow of aerosol there-



within for bringing the aerosol into contact with the dust.

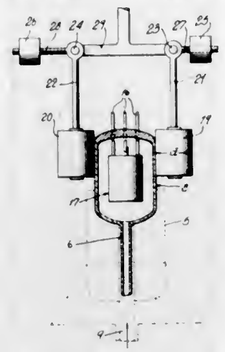
2,581,944
CONTAINER
John S. Donnell, Sarasota, Fla., assignor to Florida Fibre Box Company, Sarasota, Fla., a corporation of Florida
Application August 9, 1950, Serial No. 178,542
5 Claims. (Cl. 229—19)



5. As a new article of manufacture, a shipping container consisting of a normally horizontal open ended sleeve formed of double faced corrugated board, embodying a bottom, a top in spaced relation with the bottom and a pair of sides between the side margins of said bottom and top, and having the central portion of one of its sides cut to form an integral upstanding locking tongue which is hinged at its lower end so that it is free to swing inwards and outwards with respect to the one side, and an open top box-like tray formed of double faced corrugated board, shaped conformably to, and adapted to slide into and out of, the interior of the sleeve and embodying a bottom and upstanding ends and sides, the side of the tray that is normally in sliding engagement with said one side of the sleeve comprising an inner wall and an outer wall in spaced relation with the inner wall and having in the central portion of the outer wall an opening that is positioned opposite to, and is shaped to receive, the locking tongue when the tray is slid fully into the sleeve, said locking tongue being adapted when the tray is slid fully into the sleeve to be swung inwards into a latched position wherein it is interlocked with said opening and secures the tray against sliding movement relatively to the sleeve, being also adapted to be swung outwards into an unlatched position wherein it releases the tray so that it may be slid with respect to the sleeve, and having at its upper end a pair of oppositely and laterally extending bendable ears adapted when the tongue is in its latched position to fit between the inner wall and the portions of the outer wall that define

the sides of the opening that they serve firmly but releasably to secure the tongue in its said latched position.

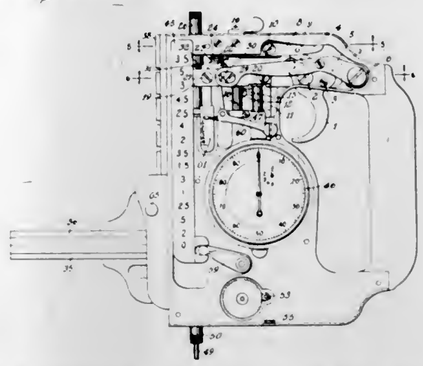
2,581,945
APPARATUS FOR SEALING-IN ELECTRON TUBES AND THE LIKE
Robert F. Doran, Emporium, Pa., assignor to Sylvania Electric Products Inc., Emporium, Pa., a corporation of Massachusetts
Application November 27, 1943, Serial No. 511,915
1 Claim. (Cl. 49—2)



Apparatus for sealing-in a relatively thick glass header to a thinner-walled glass bulb which apparatus is of the type comprising a turntable indexable to a series of successive positions at which operations are to be performed, a plurality of rotatable heads carried by said turntable, each head having means to receive and support a bulb with its mouth uppermost and with the header resting on the lip of the mouth, means effective in one position of said turntable for heating the contacting regions of the bulb and header to softening temperature and for admitting gas under pressure to the interior of the bulb to cause the softened regions to bulge outwardly, the feature of novelty which includes means effective in another position of said turntable to press the bulged region mechanically inwardly comprising a pair of weighted rollers which are pivotally supported on pivot points located above and beyond the boundary of the said bulb, each roller having a length which is substantially greater than the length of the said softened regions whereby the inward movement of said rollers is limited by their engagement respectively with the unsoftened wall of the bulb.

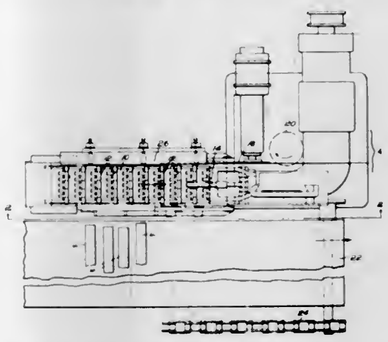
2,581,946
INSIDE AND OUTSIDE CALIPERS, HEIGHT AND DEPTH GAUGE, WITH DIAL INDICATOR
Walter J. Duesler, Gloversville, N. Y.
Application January 25, 1949, Serial No. 72,681
4 Claims. (Cl. 33—147)

1. In a measuring instrument, the combination of a movable jaw, a gauge connected to said jaw, which gauge responds to the motion of said jaw, at least one base of reference having fixed positions, a sliding rod on which said movable jaw is mounted, which rod carries said movable jaw away from and toward the base of reference, a pair of springs each acting parallel to the sliding rod but in opposite directions, a bar perpendicular to said sliding rod and attached thereto, two bearings each actuated by one of said springs, and each of which bears against the aforesaid bar under the action of the spring corresponding to the bearing, a catch having two positions in each of which the catch holds one of the aforesaid bearings so that the corresponding spring is restrained from acting while the other spring is free to act through its bearing on the bar and thus on the sliding rod and movable jaw, whereby the movable jaw is impelled in a desired sense with respect to the base of reference.



4. A measuring instrument as defined in claim 1, having fittings for a base plate, which base plate engages with said instrument through gears allowing the instrument to be raised and lowered above the base plate, a lock whereby said instrument is locked in a raised position above the base plate, said instrument having a measuring jaw with fixed positions and a movable jaw mounted on said sliding rod, said jaw comprising an adjustable extension which can be brought by motion of the sliding rod to the same definite position with reference to the base plate for various heights of the instrument above the base plate.
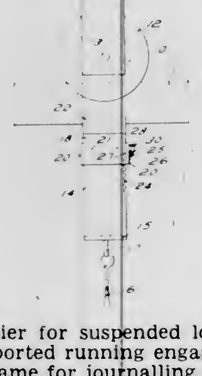
2,581,947
END MATCHER, WOODWORKING MACHINE
Davis L. Fair, Louisville, Miss.
Application June 25, 1948, Serial No. 35,180
2 Claims. (Cl. 144—91)



1. An end-matching machine of the type wherein a beltlike, endless chain is provided with pusher dogs, which dogs engage the side of a board to be matched adjacent the end thereof, advance the board sideways through suitable supporting means and past the tools which shape the end, the said machine being characterized by the fact that the upper horizontal run of the chain extends forwardly from the feeding-in end for a length several times the spacing of the dogs, such

extension providing in effect a long table having an unobstructed horizontal top beside which a man may stand, at the feeding-in end of the machine on the side where the tools are located, and facing transversely to the direction of feed, and further being characterized by the fact that a relatively wider, long, endless conveyor mechanism is supported at the side of the table opposite the operator's station, the conveyor having its upper run in the same vertical elevation with the table and extending from a point far in advance of the operator's station toward the discharge end of the machine, so that a portion of the run extends parallel to and adjacent the side of the table opposite the operator's station, the conveyor being adapted to carry sidewise in the direction of machine feed successive boards in at least roughly parallel and end-aligned relation to positions within the reach of the man, who may thus draw them endwise toward himself over the table into position in front of the pusher dogs.

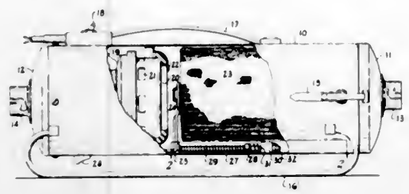
2,581,948
LOCK FOR TROLLEY WHEELS
Clement G. Flounders, Philadelphia, Pa.
Application August 7, 1947, Serial No. 767,261
2 Claims. (Cl. 105—150)



1. In a carrier for suspended loads, a trolley wheel for supported running engagement with a tram rail, a frame for journalling said wheel, an extension of said frame arranged to project downwardly below said rail when said wheel is mounted thereon for attaching a load to be transported, a locking piece vertically slidable on the projecting portion of said extension to engage the bottom of said rail to lock said wheel against said rail, and complemental latching members mounted respectively on said piece and said projecting portion of said extension for releasably retaining said piece in locking position.

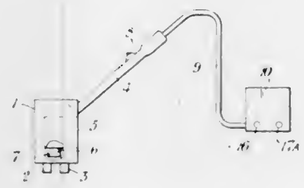
2,581,949
SUCTION CLEANER
Dale C. Gerber, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 23, 1946, Serial No. 705,174
17 Claims. (Cl. 183—58)

1. Shaker mechanism for a suction cleaner filter comprising movable supporting means for a filter bag, spring means biasing said support to a normal position in which a wall of a filter is maintained taut, manually operable means for moving said supporting means so as to remove the tension on said filter wall and to increase the tension on said spring means, signal means, and means interconnecting said shaker mechanism and said signal means operable to actuate said signal from energy provided by said spring means when returning said filter wall to a taut



condition after operation of said manually operable means.

2,581,950
METHOD AND APPARATUS FOR DETERMINING WATER CONTENT OF CONCRETE IN THE FLUID STATE
Gordon Lindsay Glegg, Kingston Hill, England, assignor of one-half to The Square Grip Reinforcement Company (London) Limited, London, England
Application July 27, 1949, Serial No. 107,105
In Great Britain July 28, 1948
3 Claims. (Cl. 175—183)

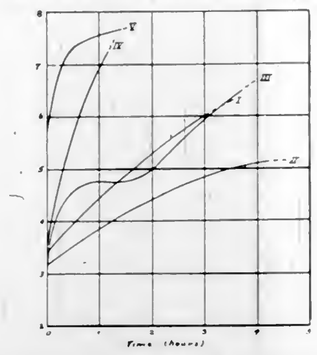


1. A method of determining the water content of a mass of fluid concrete which consists in vibrating the fluid concrete until the constituents thereof segregate, the heavier constituents falling to the bottom of the mass whilst the lighter constituents remain at and rise to the upper zone of the mass, and which method further consists in inserting two spaced electrodes in the mass in the zone in which the lighter constituents tend to segregate, a known E. M. F. being applied across the electrodes and measurements being made of the maximum current passing between the electrodes during the vibrating operation, the maximum current value being used as an indication of the water content of the mass of fluid concrete.

2,581,951
COPPER COMPOUNDS AND MANUFACTURE THEREOF
William J. Harshaw, Shaker Heights, and John O. Hay, Cleveland Heights, Ohio, assignors to The Harshaw Chemical Company, Cleveland, Ohio, a corporation of Ohio
Application May 14, 1945, Serial No. 593,638
3 Claims. (Cl. 167—16)

1. A process of making highly basic copper-containing compositions comprising treating solid particles of copper hydroxide with copper sulfate, copper chloride and ammonium chloride in aqueous medium in the form of a slurry, continuing the treatment while maintaining the solid particles in suspension by agitating the mixture until the solid portion thereof has be-

tween 4 and 15 $Cu(OH)_2$ groups per copper atom attached to SO_4 and Cl_2 and then separating the



solid portion of the reaction mixture from the liquid portion thereof.

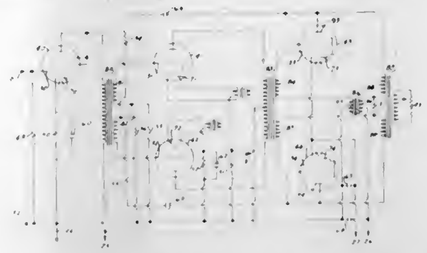
2,581,952
ADJUSTABLE SHOE TREE
Henry Hauert, Guttenberg, N. J., assignor to Fortuna Brothers, North Bergen, N. J.
Application November 3, 1949, Serial No. 125,309
2 Claims. (Cl. 12—128)



1. A shoe tree comprising two relatively adjustable shoe-engaging members, one of said members being situated above the other member and having a longitudinal channel formed therein to accommodate the forward end of said other member in slideable relation thereto and to guide the longitudinal movements of the two members relative to each other, the upper member having a downwardly extending tooth and the lower member having a plurality of upwardly extending teeth situated for engagement with the downwardly extending tooth of the upper member for adjustably fixing the relative positions of said upper and lower members, the upper member being supported by the lower member so as to engage only the toe and instep portions of the upper of the shoe into which said shoe tree is inserted, the lower member being provided with a small downwardly extending pad at its forward end which engages the insole of the shoe, a downwardly curved portion at its back end which engages the heel of the shoe, and a backwardly curved portion on its back end which engages the counter of the shoe.

2,581,953
CIRCUIT FOR CONSTANT VOLTAGE AMPLIFIERS
Maynard L. Hecht, Jackson Heights, and Richard Sanford, Yonkers, N. Y., assignors, by mesne assignments, to Insl-X Corporation, Briarcliff Manor, N. Y., a corporation of New Jersey
Application October 9, 1948, Serial No. 53,668
3 Claims. (Cl. 179—171)

1. In a combination, plural-stage, electronic amplification circuit adapted to provide an output voltage which is substantially independent of the load within a certain predetermined load interval, and having an amplifier stage having a grid input circuit, a subsequent amplifier stage having a grid input circuit and an output coupling means beyond the said subsequent amplifier stage, the improved construction which comprises, a negative feedback circuit including a resistive component connected between said out-



put coupling means and the grid circuit of said first named amplifier, and a positive feedback circuit including a resistive component connected between said output coupling means and the grid circuit of said subsequent amplifier, the impedance of said negative feedback circuit having a value so as to supply a voltage to the grid circuit equal to

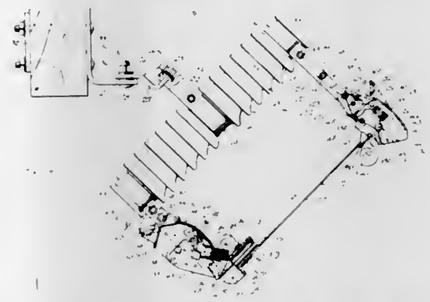
$$\frac{Z}{\mu Z_0} \times E_L$$

where E_L equals the voltage desired across the load, Z is the output impedance of the amplifier Z_0 is the total resulting load impedance for which the voltage desired across the load is obtained without feedback and μ is the equivalent amplification factor of the amplifier between the output and the point where the feedback is applied, the impedance of said positive feedback circuit having a value so as to supply a voltage to the grid circuit equal to

$$\frac{Z}{\mu} \times I_L$$

where I_L is the load current Z is the output impedance of the amplifier and μ' is the amplification factor of the amplifier between the output and the point where the feedback is applied.

2,581,954
FUSED DROP-OUT CUTOUTS
David C. Hubbard and William L. Hollander, Centralia, Mo., assignors to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application March 8, 1948, Serial No. 13,704
22 Claims. (Cl. 200—114)



1. In a drop-out fuse cut-out, the combination of an insulating support, with an upper contact arm, a fuse tube unit and means for pivot-

ally supporting said fuse tube unit from said upper contact arm, a lower contact arm carried by said support, a trunnion carried by said lower contact arm, a fixed contact carried by said fuse tube unit for engagement with said trunnion, a spring-biased fuse ejector lever carried by said fuse tube unit, and cam means carried by the ejector lever and adapted to engage the trunnion and lift the fuse tube unit to effect a release of the fixed contact from the trunnion when the fuse is melted releasing the ejector lever.

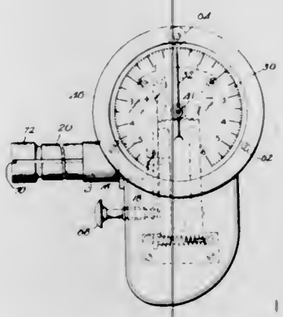
2,581,955

DIAL MOUNTING FOR MICROMETER CALIPERS

William B. Hunter, Wellesley, Mass., assignor to The Comtor Company, Waltham, Mass., a corporation of Massachusetts

Original application June 24, 1944, Serial No. 541,138. Divided and this application July 26, 1949, Serial No. 106,757

5 Claims. (Cl. 116—129)



1. In a micrometer caliper having a casing and indicating means carried thereby including a dial, a support for said dial, the support being provided with an annular circumferential rib, a loose clamping ring beneath the annular rib extending beyond the periphery thereof, a bezel mounted to turn upon the support above the annular rib and extending beyond the periphery thereof, the dial being positioned upon the support and arranged to be turned with the bezel to adjust its position, and connections between the ring and the bezel for clamping the ring and bezel against the opposite faces of the rib to lock the bezel and dial in adjusted position.

2,581,956

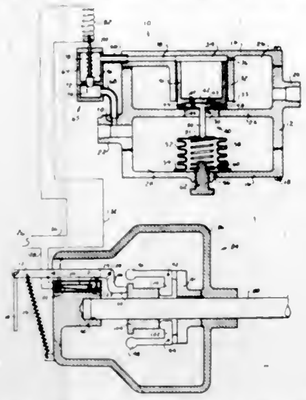
REFRIGERATION CONTROL DEVICE

Frederick M. Jones, Minneapolis, Minn., assignor to The U. S. Thermo Control Co., Minneapolis, Minn., a corporation of Minnesota

Application June 7, 1948, Serial No. 31,591

14 Claims. (Cl. 62—3)

6. In a refrigeration system, in combination, an evaporator, a compressor, a prime mover for driving the compressor, a control device adapted for connection between the evaporator and the compressor for controlling the flow of refrigerant to the compressor, comprising a main valve and an auxiliary valve which when opened renders the main valve operative and when closed renders the main valve inoperative, means for operating the auxiliary valve comprising an electric operator, a two-position switch operatively connected to said electric operator, and a mechanical operator operatively joined to the prime mover for moving the switch to one of its positions when the speed of the prime mover varies in either



direction from substantially 80 per cent of its rated speed.

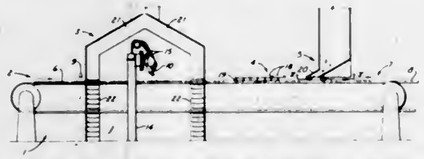
2,581,957

AUTOMATIC APPARATUS FOR SILVERING MIRRORS

Norman B. Jones, Toledo, Ohio, assignor to The Toledo Plate & Window Glass Company, Toledo, Ohio, a corporation of Ohio

Original application November 19, 1948, Serial No. 60,986. Divided and this application July 5, 1949, Serial No. 102,976

3 Claims. (Cl. 91—12.4)



1. In an apparatus for the automatic silvering of mirrors, in combination, a conveyor system for carrying mirrors to be silvered, a track that is positioned parallel to the mirrors on the conveyor and generally transverse to the direction of movement of the conveyor, a carriage on the track, a pair of spray guns one for each of two different materials mounted on the carriage in spraying relation to the mirrors on the conveyor, means for reciprocating the carriage to traverse the guns across the mirrors, said guns being arranged on the carriage so as to incline in the directions of movement of the carriage in generally equal and opposite amounts to intermingle the spray from the guns and to incline in the direction of movement of the conveyor in generally equal amounts whereby the sprays are mingled on the mirror surface and the air blast of the spray drives the spent residue of sprayed material in the direction of movement of the conveyor.

2,581,958

ANTIFRICTION BEARING

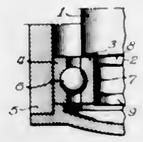
Frederick S. Kingston, North Plainfield, N. J., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Continuation of application Serial No. 604,616, July 12, 1945. This application June 15, 1949, Serial No. 99,205

5 Claims. (Cl. 308—189)

1. In a bearing of the type including coaxial fixed and rotary members separated by an anti-

friction bearing in the form of concentric hardened steel race rings having a plurality of hardened rolling elements positioned between the rings in rolling contact with the races thereof, the internal tolerances being such that excessive deformation of said race rings will cause said rolling elements to bind therein, the race rings having interfitting press fitted engagement with the rotary member and a comparatively looser fit with the stationary member, that improve-



ment which comprises at least one internal undercut area in the press fit contact between the movable member and its race ring of sufficient extent to substantially increase the pressure per unit of area on the metal of the movable member by the compressive action of the ring to compress the metal of the rotary member and cause it to cold flow into the undercut area in case the tolerances between them is at a maximum and thereby prevent excessive deformation of the race ring which is press fitted to the rotary member.

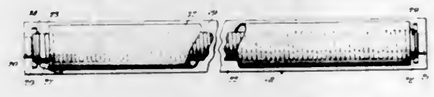
2,581,959

FLUORESCENT LAMP

Adolph F. Koehler, Riverdale, N. Y.

Application November 13, 1950, Serial No. 195,223

9 Claims. (Cl. 315—100)



1. In an electrical fluorescent lamp structure, the combination of a low pressure mercury vapor discharge tube adapted to be received in spaced sockets carried by said lamp structure, said tube being of the elongated type with an electrode in each end, pins connected to each of said electrodes and projecting from said ends, said pins being engageable with contacts in said sockets, a surrounding transparent jacket carried by said tube and spaced therefrom, a resistance heating element surrounding said tube and positioned within said jacket, and terminals for said resistance heating element, said terminals being so positioned as to be electrically engaged with an electrical supply line when said tube is in said spaced sockets for energizing said tube.

2,581,960

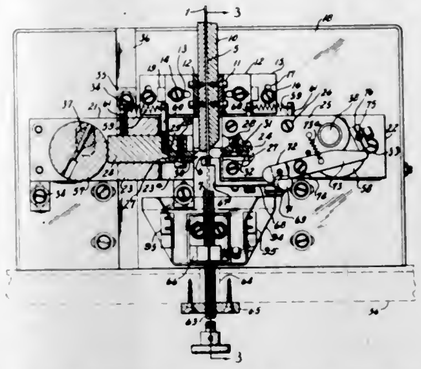
AUTOMATIC GRID CUTTING MACHINE

Harold P. Kronenwetter, South Park, Emporium, Pa., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts

Application August 26, 1946, Serial No. 693,073

9 Claims. (Cl. 164—48)

9. A cutting device including a vertical guide along which a work strip may be fed by gravity, a cutter for severing a length of said strip, a stop located beyond said cutter and against which said strip is arrested, the spacing between said cutter and said stop determining the severed length of said strip, means for operating said cutter controlled by engagement of said strip with said stop, and means for delaying said cutter operating means for a predetermined period



of time after engagement of said strip with said stop.

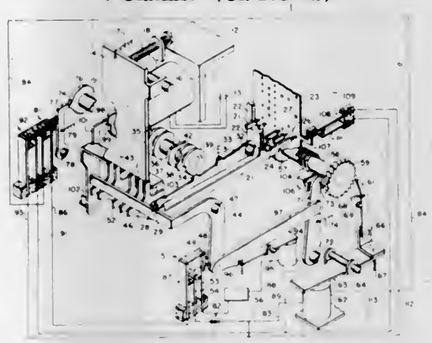
2,581,961

SIGNAL COMPARING APPARATUS

Ross A. Lake, Oak Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application March 4, 1949, Serial No. 79,633

7 Claims. (Cl. 178—2)



5. In a signal verifying apparatus, a solenoid adapted to be energized by incoming signal impulses, an armature adapted to be moved in accordance with the energization of said solenoid, a plurality of sensing arms adapted to be positioned in accordance with a predetermined code designation on a master control form, means on said sensing arms for engaging said armature when the solenoid is deenergized and the particular sensing arm senses a no current code designation in the control form, said armature adapted to be moved into position to engage said means on the sensing arm upon reception of an incoming current impulse whenever said particular sensing arm senses a current designation in the master control form, a control arm engaging each of said sensing arms, a cam for controlling the position of each of said control arms, each of said cams being provided with a cutout portion, means controlled by the incoming signal for rotating the cams to sequentially present the cutout portions to the control arms in unison with the reception of signal impulses, means to move the control arm into said cutout portion whenever said armature is not in position to engage said means on said sensing arms to indicate a variance between the incoming signal and the signal designation on the master control form, an actuator arm

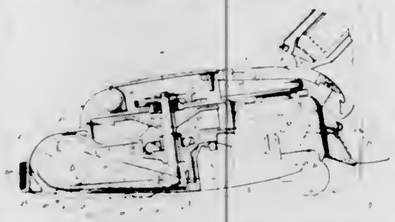
adapted to be engaged and moved by the movement of any of said sensing arms, and means operated by the movement of said actuator arm for indicating a variance between the incoming signal and the signals sensed on the master control form.

2,581,962

VACUUM CLEANER WITH ROTARY FLOATING DUST BRUSH SUPPORTED SOLELY FROM THE MID-POINT

Wilfred O. Langille, Chester, Howard A. Shumaker, Somerville, and Edgar P. Turner, Fanwood, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application March 17, 1945, Serial No. 583,360
9 Claims. (Cl. 15—372)



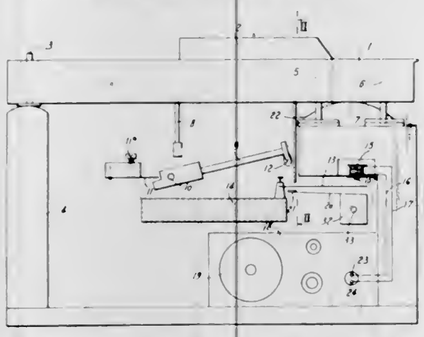
1. In a vacuum cleaner, in combination, a frame having a discharge orifice and a suction nozzle having top, front and end walls; means for effecting a flow of air inwardly through said nozzle and outwardly through said discharge orifice; a rotatable dust-brush located within said nozzle and having its ends disconnected from and spaced from said end walls; and means engaging the mid-portion of the brush for supporting and rotating it in said nozzle said means having spaced side walls with upwardly and forwardly inclined slots for supporting the mid-portion of said brush and said slots being so constructed and arranged as to allow the brush to tip laterally.

2,581,963

REED FOR ELECTRICAL MUSIC INSTRUMENTS

Rémy Joseph Marie Cécile Langloys, Saint-Cloud, France, assignor of one-half to Society "Etablissements Herburger," Paris, France, a corporation of France

Application August 6, 1947, Serial No. 766,534
In France January 5, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 5, 1962
13 Claims. (Cl. 84—403)



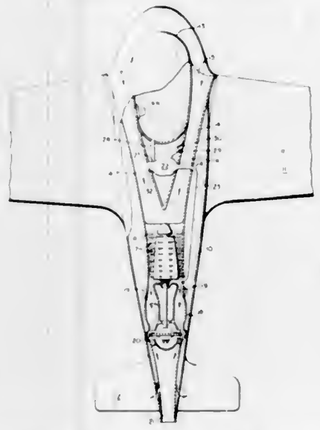
1. A vibratable reed structure comprising a fixed support, a reed comprising a first straight reed section attached at one end to said support and a second straight reed section attached at one end directly to said first section and having a cross-sectional area smaller than the cross-sectional area of said first section, said second section extending from said first section in a direction away from said one end of said first section.

2,581,964

COOLING SYSTEM FOR AIR SUPPLIED TO COMPARTMENTS OF AIRCRAFT

Waldemar F. Mayer, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California

Application March 16, 1945, Serial No. 583,054
7 Claims. (Cl. 62—136)



1. Mechanism for conditioning the air for use in an aircraft cabin comprising: a compressor, and a pair of ramming inlet ducts extending along the respective sides of said cabin and converging behind said cabin, for directing a flow of air to the inlet of said compressor; a cooler disposed between the rear of said cabin and said ducts, said cooler having passage means for the flow therethrough of air from the discharge side of said compressor and having other passage means for the flow therethrough of a coolant in heat exchange relation to said first mentioned passage, means for delivering compressed air from the discharge side of said compressor to said first mentioned passage means and from said first-mentioned passage means to said cabin, and means for directing a flow of air from one of said ducts to said second-mentioned passage means and from said second-mentioned passage means to the inlet of said compressor.

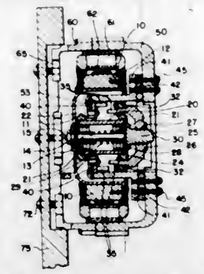
2,581,965

RATE GYROSCOPE

John C. Miller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application September 30, 1950, Serial No. 187,725
12 Claims. (Cl. 74—5)

1. In a device of the class described, a shaft, means mounting said shaft including a first bearing means journaling said shaft and two pairs of crossed reed pivot members pivoting said first bearing means about an axis normal to said shaft, said mounting means being attached to a relatively fixed part, said crossed reed pivot members restraining movement of said shaft about said axis, a cup-shaped mass attached to said shaft and encircling said mounting means, and



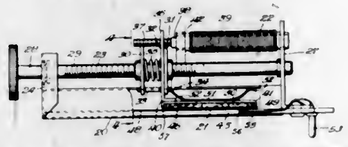
means for rotating said shaft and said mass mounted in part on said mass and in part on said fixed part, said last named means encircling said mass and said mounting means.

2,581,966

TUNER

Donald H. Mitchell, Chicago, Ill., assignor to Motorola, Inc., a corporation of Illinois

Application February 14, 1947, Serial No. 728,695
9 Claims. (Cl. 250—20)



1. In a radio receiver having an antenna circuit and an oscillator circuit, means for tuning said circuits through a band of frequencies so that the resonant frequency of said antenna circuit and the resonant frequency of said oscillator circuit differ by a fixed amount comprising, a variable condenser in said antenna circuit, a variable inductor in said oscillator circuit, said condenser including an elongated plate of ceramic material having a conducting coating on a portion of one side thereof and a conducting member longitudinally slidable along the other side thereof, said conducting coating having a small width at one end thereof which gradually increases toward the other end thereof, said inductor including a substantially uniformly wound coil and a ferromagnetic core movable therein, and means for simultaneously moving said conducting member and said core so that said conducting member moves from a position covering only said one end of said coating to a position covering substantially the entire coating and said core moves from a position in which it is inserted in only the end of said coil to a position in which it is inserted in substantially the entire length of said coil, with the capacity of said condenser and the inductance of said inductor increasing simultaneously to change the frequency of said antenna circuit and said oscillator circuit by a fixed amount.

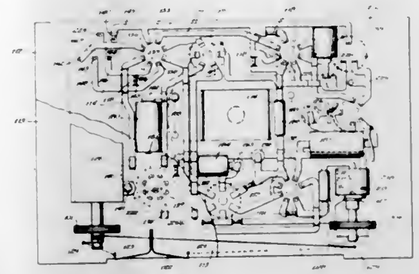
2,581,967

SIMPLIFIED CHASSIS FOR ELECTRONIC EQUIPMENT

Donald H. Mitchell, Chicago, Ill., assignor to Motorola, Inc., a corporation of Illinois

Application April 11, 1947, Serial No. 740,825
3 Claims. (Cl. 173—324)

1. Electronic equipment substantially free of bonded circuit connections, comprising an elongated electrical component having electrical connecting means at the ends thereof, a chassis including a pair of insulating sheets with openings therein, and at least two preformed conducting strips positioned between said sheets, each of said strips having a U-shaped resilient terminal portion formed therein and positioned in an opening in one of said sheets and extending to one side of said chassis, said strips including portions on both sides of said U-shaped resilient portions which are positioned between and supported by said sheets, said terminal portions on said conducting strips having conductive surfaces for engaging said conducting means on said elongated electrical component, said conductive surfaces being positioned to frictionally engage said conducting means to support said elongated component therebetween on said one side of said chassis and make electrical contact therewith.

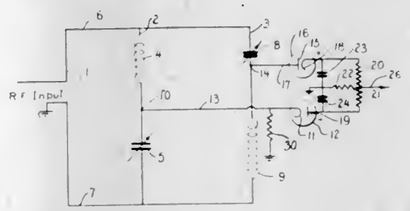


2,581,968

DISCRIMINATOR CIRCUIT

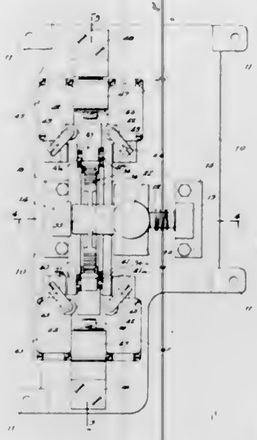
Clyde J. Norton, Braintree, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

Application August 8, 1947, Serial No. 767,588
2 Claims. (Cl. 250—27)



1. A discriminator circuit comprising two inductive elements and two capacitive elements connected in alternation in a loop, an opposite pair of connections in said loop constituting input terminals and the remaining pair of connections constituting output terminals of said loop, said elements being proportioned to yield equal voltage between either output terminal and one of the input terminals at a desired frequency, a diode having its anode connected to one of said output terminals, a second diode having its cathode connected to the other output terminal, a pair of condensers connected in series to the remaining electrodes of said diodes, the junction of said condensers being connected to said one input terminal, a pair of equal resistors also connected between said remaining electrodes of said diodes, and a load resistor between the junction of said equal resistors and said condensers, a discriminator output being available across said load resistor.

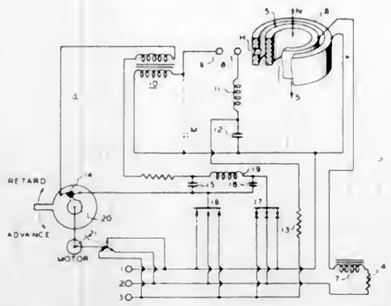
2,581,969
ELEVATOR CAR SWITCH
Carroll E. Orr, Westfield, N. J., assignor to Elevator Supplies Company, Inc., Perth Amboy, N. J., a corporation of New Jersey
Application December 31, 1947, Serial No. 794,942
8 Claims. (Cl. 200—18)



8. In an elevator car switch, in combination, a base, a shaft mounted in bearings fixed to said base, a handle mounted on said shaft for oscillation therewith and for reciprocation in a plane transverse to the shaft axis independently of said shaft, means urging said handle toward said base, a depression in said base cooperating with one end of said handle, normally locking said shaft in a particular rotative position with respect to said base, a spring means urging said shaft towards a central position, a gear segment fixed to said shaft and rotatable by movement of said handle, a rack slidably mounted on said base, said rack meshing with said gear segment, contact operating means mounted adjacent each end of said rack, said contact operating means being adapted to be operated upon movement of the rack to either of its extreme positions, magnetic means for holding said rack in either of its extreme positions, and means for preventing movement of said shaft to its central position under the urge of said spring means whereby movement of said shaft toward central position upon release by said holding means serves as a signal to the operator who may manually restore said gear segment and handle to central position in response to such signal.

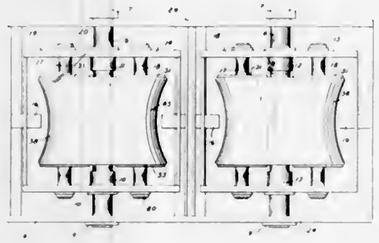
2,581,970
SYSTEM FOR CONTROLLING FLOW OF ELECTRIC CURRENTS
Maurice Partiot, New York, N. Y.
Application June 20, 1949, Serial No. 100,275
In France October 7, 1948
11 Claims. (Cl. 315—268)

1. In a system for controlling flow of alternating current between a pair of terminals in response to alternating voltage impressed thereacross, a pair of principal electrodes connected in series with said terminals, an auxiliary terminal, a priming terminal, means for impressing a spark producing voltage between said priming terminal and said auxiliary terminal, means responsive to said spark for producing a further spark between said auxiliary terminal and one of said principal electrodes, means responsive to said further spark for initiating arcing between said principal electrodes, and a load circuit con-



nected in series with said pair of terminals and said pair of principal electrodes.

2,581,971
PIPE LINE CRADLE
Lewis Perrault, Tulsa, Okla.
Application June 7, 1948, Serial No. 31,567
6 Claims. (Cl. 294—67)

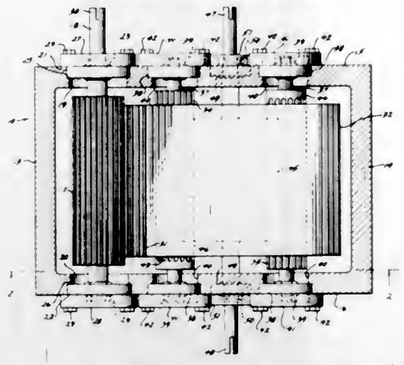


1. In a cradle apparatus utilized for the suspension of pipe lines and adapted to be propelled therealong, and comprising an outer frame, a shaft carried by the frame, an inner frame pivotably supported on the shaft, a pair of rotatable pulleys carried by the inner frame, a flexible endless drive belt interconnecting the pulleys, said belt having a groove substantially conforming to the contour of the pipe for engagement with the underneath surface thereof to facilitate movement of the cradle longitudinally along the pipe.

2,581,972
PREPARATION OF 2-CHLORO-4-METHOXY-5-NITRO-TOLUENE AND 2-CHLORO-4-METHOXY-5-AMINOTOLUENE
Bernard William Rottschaefer, East Greenbush, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 22, 1948, Serial No. 66,828
8 Claims. (Cl. 260—612)

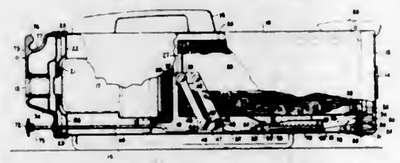
1. A process for the preparation of 5-nitro-4-alkoxy-2-chlorotoluene, wherein the alkoxy group contains 1-2 carbon atoms, which comprises reacting 5-nitro-2,4-dichlorotoluene with an alkali metal alcoholate, of the class consisting of alkali metal methylates and alkali metal ethylates, in the corresponding alcohol as a medium, at a temperature from 65–80° C., the amount of said alcoholate not substantially exceeding 1 mol per mol of 5-nitro-2,4-dichlorotoluene.

2,581,973
REDUCTION GEAR BOX
George H. Schaffer, Waterbury, Conn.
Application May 27, 1949, Serial No. 95,671
1 Claim. (Cl. 74—438)



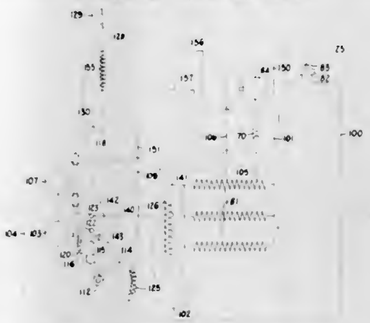
In a gear box, a housing, a plurality of symmetrically disposed intermediate gears rotatably mounted on parallel axes fixed with respect to said housing, a driven gear located between said intermediate gears and meshed therewith, a floating annular gear embracing said intermediate gears and meshed therewith and having the same axis as said driven gear, and means for driving said annular gear, the intermeshing teeth of said intermediate and annular gears being of a substantial length and parallel to the axes of rotation thereof, the teeth of said intermediate gears extending beyond the ends of said annular gear, a pair of cylindrical abutment portions being provided on one end of two of said intermediate gears at opposite ends of said floating annular gear for preventing said annular gear from shifting longitudinally on its axis.

2,581,974
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 5, 1947, Serial No. 739,593
5 Claims. (Cl. 183—58)



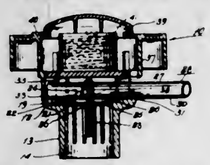
1. A suction cleaner comprising a casing having a normally closed end and an open end, a removable cover for closing said open end, a filter in said casing communicating with said open end for removal of material dislodged from said filter, filter shaking means connected with said filter and including an operating handle disposed at said casing closed end, means movably mounting said handle on said casing for movement with respect to said closed end to actuate said filter shaking means, latch means for locking said operating handle with respect to said closed end in inoperative filter shaking position, support means at said closed end cooperating with said operating handle when in said locked inoperative position to form a support for supporting said casing thereon in upended cleaner storage position, and means for releasing said latch means and thus said operating handle for said movement of the latter to actuate said filter shaking means.

2,581,975
ELECTRIC TOASTER
Eugene L. Snyder, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 18, 1947, Serial No. 735,292
8 Claims. (Cl. 99—329)



1. A toaster comprising, bread carriers, means for moving said carriers to toasting position, main heaters, a fixed electrical resistance, a control for energizing said main heaters in series with said resistance when said carriers are moved to toasting position, said control including a current responsive thermostatic timer and a variable resistance connected in series therewith, said current responsive timer and variable resistance being connected in parallel with said main heaters and fixed resistance and manual means for varying the resistance of said variable resistance to vary the time of the toasting interval, said timer being operative after an interval to deenergize said fixed resistance to operate said main heaters at high heat and timing means operative after a second interval for deenergizing said main heaters said current responsive timer being operable to activate said timing means simultaneously with the deenergization of said fixed resistance.

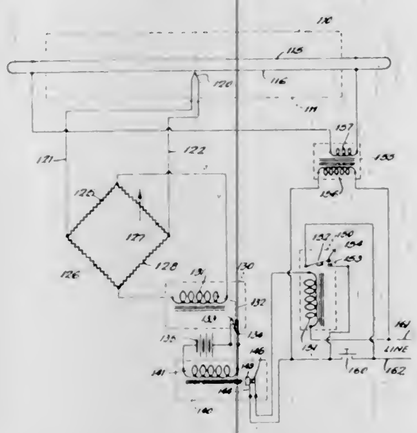
2,581,976
GEAR SHIFT FOR TOY STEERING WHEELS
Louis Solomon, Chicago, Ill.
Application February 1, 1950, Serial No. 141,800
1 Claim. (Cl. 46—1)



A gear shift for a toy steering wheel adapted to be removably attached to any substantially flat surface of sufficient area to receive it, comprising a wheel having a hub, said hub having a floor, an open top and side walls with an opening therethrough, a gear shift lever with its inner portion extending through said opening into said hub, said gear shift lever having a hole therethrough adjacent its inner end, a disc positioned below the floor of said hub, a cotter pin having

a pair of legs extending through said disc and said floor of said hub, a coiled spring mounted on said cotter pin below the floor of said hub, the legs of said cotter pin extending through said hole in said gear shift lever and peened over on said gear shift lever, a pair of upper and lower stops extending above said floor of said hub positioned at an angle opposite another pair of upper and lower stops extending above said floor of said hub so that the gear shift in one extreme position bears against the lower stop of one pair and the upper stop of the other pair, and in the other extreme position bears against the lower stop of one pair and the upper stop of the other pair, said floor having a pair of raised portions between each pair of upper and lower stops over which said gear shift lever may ride to simulate the feeling of actual gear shifting, and a removable cover for the open top of said hub.

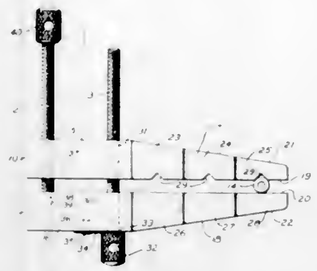
2,581,977
APPARATUS FOR SEALING PLASTICS
Kenneth F. Spalding, Chicago, and Fred V. Collins, Des Plaines, Ill., assignors to William F. Stahl, Kenilworth, Ill.
Application September 9, 1948, Serial No. 48,458
8 Claims. (Cl. 219—19)



1. In apparatus for sealing plastics, means for holding plastic material in predetermined position for sealing, an electrical heating element adapted to heat such plastic material, a heat-sensitive control element positioned adjacent said heating element and responsive to heat from the same, and relay means operative responsively to the control element to cut off current to the heating element when said heating element reaches a predetermined temperature.

2,581,978
TOOLMAKER'S PARALLEL SCREW CLAMP
Harry W. Spring, Waterbury, Conn.
Application December 6, 1947, Serial No. 790,036
1 Claim. (Cl. 144—300)

In a toolmaker's clamp, a pair of parallel jaws comprising coplanar bases adapted to rest flat upon a table or bench, said jaws having opposing straight inner faces and stepped upper surfaces of successively smaller height to permit the work held between said jaws to be inserted below a grinding wheel and lie in a small vertical space, the inner side face of one of said jaws having work-engaging angular recesses, and a pair of parallel headed screws extending at right angles to said jaws and located within aligned pairs of cylindrical holes, one of each of said pairs of holes being tapped, each of said screws being in threaded engagement with a tapped hole and being freely rotatable in the other of the pair

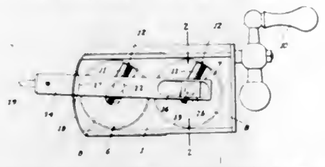


of holes, and abutment means on each of said screws to engage the jaw in which it freely rotates, for releasably clamping said jaws against a work piece located between one of said angular recesses and the flat straight edge of the adjacent jaw.

2,581,979
METHOD AND APPARATUS FOR LOCATING WELL FLUID LOSS
Marshall B. Standing, Harry S. Yaplee, and Malcolm Macaulay, Whittier, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application July 18, 1949, Serial No. 105,354
8 Claims. (Cl. 175—182)

1. An apparatus for determining that location in a well at which fluid is being lost to a formation including an elongated housing having a non-conducting outer surface for at least a portion of its length and adapted to be lowered into a well by a multi-conductor insulated cable, means forming a liquid reservoir in said housing, liquid pressurizing means for said reservoir, a liquid outlet intermediate the ends of said housing, a passage from said reservoir to said outlet, an electrically actuated valve in said passage, said valve adapted to be actuated through said cable to release a charge of liquid from said outlet, two pairs of insulated electrodes on said housing spaced on each side of said liquid outlet, and electrical means in said housing connected to said electrodes and said cable for converting changes in electrical resistance between either of said electrode pairs due to presence of said liquid charge therebetween into a direct current signal which is transmitted through said cable to the top of said well, and an indicator connected to the upper end of said cable.

2,581,980
ADJUSTABLE TOOLHOLDER FOR LATHES
Louis J. Suber, Vallejo, Calif.
Application January 31, 1947, Serial No. 725,473
2 Claims. (Cl. 82—12)



1. A lathe-tool holder comprising a mounting case, a pair of rotary members mounted in spaced relation in the case, means to rotate the members in unison, a tool bar extending across the face of both members, a pin projecting from one member parallel to the axis thereof and turnably projecting into the bar, means to adjust the pin radially of the member, another pin projecting from the other member parallel to the axis thereof, means to adjust said other pin radially of said other member, and a block in which said other pin is turnable, the tool bar having a longitudinal slot in which said block slides.

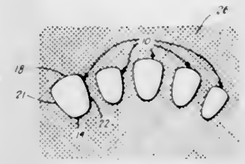
2,581,981
WELL SWAB
Raymond G. Taylor, Jr., Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application July 18, 1947, Serial No. 761,751
7 Claims. (Cl. 103—225)



1. In a swab cup, a thimble consisting of a pair of rigid concentric rings; a series of flexible metallic loops having their lower ends fixedly secured by and between said rings and their upper parts disposed above the thimble in cantilever relation thereto; an elongated elastic cup wall so molded above said thimble and about said loops that the latter become resilient reinforcing means within the greater part of the length of said wall, the uppermost part of said wall being unreinforced and provided with an externally overhanging lip and internally disposed notches about its rim.

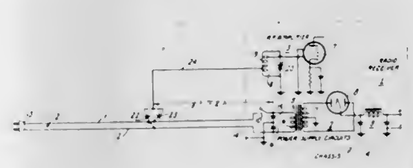
2,581,982
MANICURING DEVICE
Lila G. Terry, Valparaiso, Ind.
Application March 7, 1950, Serial No. 148,195
2 Claims. (Cl. 132—73)

1. An article of manufacture comprising a flexible substantially flat base sheet of woven fabric impregnated with material making the same water-repellent, said base sheet being preformed into substantially the shape of a flattened nail on a digit of a human and having a smooth upper face, a tacky, water-repellent, pressure-sensitive adhesive on the bottom face of the base sheet for securing the same to the nail, and a



film of dried nail polishing material on and covering the smooth upper face of the base sheet, said base sheet acting as a pad to cushion the film of dried nail polishing material against shock from impact of the nail with hard objects and thereby preventing chipping of said film of dried nail polishing material.

2,581,983
LINE-CORD ANTENNA
Milton L. Thompson, Huntingdon Valley, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 1, 1947, Serial No. 745,325
6 Claims. (Cl. 250—20)

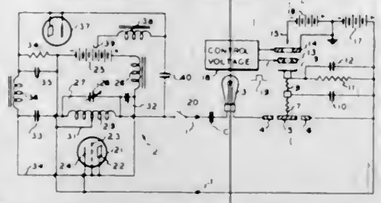


1. In a line-operated receiver of waves of very high carrier frequencies, a line-cord antenna system comprising: a conducting chassis upon which components of said receiver are mounted; a line cord adapted to connect the power supply circuits of said receiver with an external source of electric power, both conductors of said line cord, at the receiver-end thereof, being connected to said power supply circuits through conductive connections which are free of concentrated inductance; connections, including capacitive means, providing a low impedance path at said carrier frequencies between both conductors of said line cord, at the receiver-end thereof, and said chassis; a radio-frequency input circuit for said receiver, said input circuit having two input terminals, one of said terminals being connected to said chassis; and means for coupling the other of said input terminals to both conductors of said line cord at a point physically displaced, along said line cord, from the receiver-end thereof a distance sufficient to provide, between said point and said chassis, a substantial radio-frequency impedance at said carrier frequencies, across which impedance carrier-frequency voltages of substantial magnitude are developed in response to electromagnetic waves of said frequencies.

2,581,984
HIGH-FREQUENCY RELAY

Pierre Marie Gabriel Toulon, New York, N. Y., assignor to Products & Licensing Corporation, New York, N. Y., a corporation of Delaware

Application March 18, 1950, Serial No. 150,513
In France March 23, 1949
13 Claims. (Cl. 315—326)

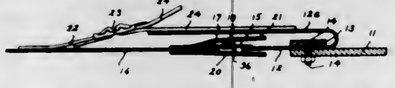


1. In combination, a source of high frequency voltage, a first electrode, a second electrode, a third electrode, means for connecting said voltage and said first, second and third electrodes in series, to establish predetermined high frequency voltages between each pair of said electrodes, said electrodes separated from one another by a distance sufficiently great to prevent arc over between any pair of said electrodes in response to said predetermined high frequency voltages, and means for impressing a further electrostatic voltage between an adjacent pair of said electrodes, said further electrostatic voltage sufficient in amplitude to effect arc over between said adjacent pair of electrodes when superposed on said predetermined high frequency voltages.

2,581,985
DETACHABLE LEAKPROOF TRUCK CANVAS CONNECTOR

Paul F. Tuerk, Indianapolis, Ind.

Application July 25, 1950, Serial No. 175,772
2 Claims. (Cl. 296—100)



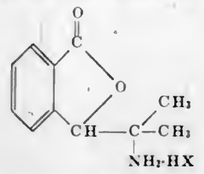
1. A forward end detachable, flexible cover connection for a vehicle having a substantially rigid transverse member at its front upper end, comprising a length of flexible fabric; a bar extending across an intermediate portion of the fabric; means compressibly interengaging the bar through the fabric with said rigid member to form a water tight connection therewith; a slide fastener tooth carrying tape secured across the rear end of said fabric; a complementary slide fastener tooth carrying tape secured across the forward end of said cover; a slide for interengaging the teeth of said tapes; an under shield fixed to said cover to extend forwardly under said tapes, terminating by a free transverse edge; an upper shield fixed to said cover to extend forwardly over said tapes and terminate by a free transverse end; a plurality of straps fixed in transversely spaced relation across the cover back of said shields to extend forwardly from the top side of the cover; the portion of said flexible fabric extending forwardly of said bar having a length permitting it to be folded rearwardly over said upper shield; a plurality of straps fixed in transversely spaced relation across said fabric length, to align with said cover straps; and means for interengaging the cover and fabric length straps to take the strain of the cover backward pull through the straps to relieve pull on said fastener teeth.

2,581,986
METHOD FOR THE PREPARATION OF AMINOPHTHALIDYLALKANE SALTS

Glenn E. Ullyot, Philadelphia, Pa., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Original application February 2, 1946, Serial No. 645,228. Divided and this application August 26, 1948, Serial No. 46,358
8 Claims. (Cl. 260—344.6)

1. The method of producing aminophthalidylalkane salts having the following formula:



where X is an acid radical, which comprises reducing, in the presence of a noble metal catalyst, a corresponding nitrophthalidylalkane with hydrogen under pressure in the presence of at least one molar equivalent of an acid selected from the group consisting of a mineral acid and an organic acid having an ionization constant not less than 1.8×10^{-5}.

2,581,987
PROCESS FOR DECREASING THE DEGREE OF POLYMERIZATION OF POLYVINYL ALCOHOL

Karl Vogler, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

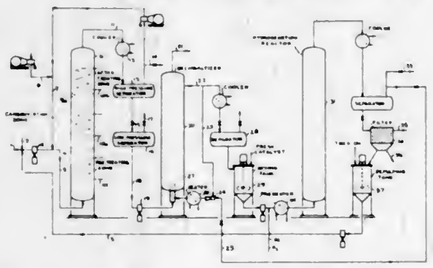
No Drawing. Application January 12, 1950, Serial No. 138,255. In Switzerland November 18, 1948
4 Claims. (Cl. 260—91.3)

4. A process which comprises heating to a temperature between about 170° C. and about 250° C., in a closed vessel and in the absence of air, an aqueous solution of polyvinyl alcohol having an average molecular weight greater than about 15,000, said solution containing said polyvinyl alcohol in a concentration between about 0.5 per cent and about 20 per cent, so as to produce polyvinyl alcohol having an average molecular weight between about 500 and about 15,000.

2,581,988
SYNTHESIS OF CARBINOLS

Peter van 't Spijker, The Hague, and Marius 't Hart, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application October 17, 1950, Serial No. 190,523
In the Netherlands January 26, 1950
1 Claim. (Cl. 260—638)



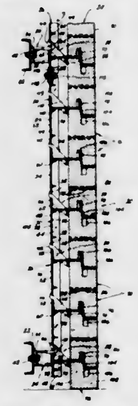
In a process for the synthesis of a carbinol by carbonylation using a cobalt catalyst which is

passed in suspension in the reaction mixture through a first carbonylation stage and a subsequent hydrogenation stage, the improved method of maintaining the activity of the catalyst at a desired level which comprises adding a quantity of fresh catalyst to the reaction mixture subsequent to said carbonylation stage and prior to said hydrogenation stage, separating suspended catalyst from the reaction mixture from said hydrogenation stage, withdrawing and discarding an amount of the separated catalyst equal to the quantity of said fresh catalyst added, and recycling the remainder of the catalyst to the carbonylation stage.

2,581,989
FURNACE WALL STRUCTURE

Herman W. Weber, Richmond Heights, Mo., assignor to Laclede-Christy Company, a corporation of Missouri

Application July 1, 1946, Serial No. 680,734
6 Claims. (Cl. 72—101)

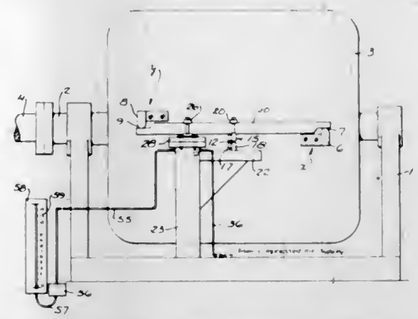


4. In combination, a wall construction comprising spaced runner supporting brackets, means supporting said brackets, a runner supportingly mounted on each bracket in substantially vertical position, each runner being of elongated form and including spaced openings formed for receiving portions of supporting and supported brackets, each runner also having a transverse web formed adjacent to and below each opening and extending outwardly from said runner, each supporting bracket including a portion extending through a selected opening of the supported runner and a portion engaging said runner below such selected opening, said portion which extends through a selected opening engaging the side of said runner opposite from said second mentioned portion, vertically spaced refractory member supporting brackets supported by each runner adjacent the side opposite to the runner supporting bracket, each refractory member supporting bracket including a portion extending through an opening of the supporting runner and a portion both engaging said runner below such opening and resting upon the adjacent transverse web, one of said refractory member supporting brackets having the first mentioned portion thereof extending through the selected opening through which the first mentioned portion of said runner supporting bracket extends and engaging the side of the runner against which the runner supporting bracket is disposed, and refractory members mounted on each refractory member supporting bracket in spaced relation to said runners providing an insulation space.

2,581,990
LOAD TRANSMITTING MEANS FOR DYNAMOMETERS

Milton N. Weber, Detroit, Mich., assignor of one-half to Herbert W. Link, Detroit, Mich.

Application June 29, 1949, Serial No. 102,071
1 Claim. (Cl. 73—134)

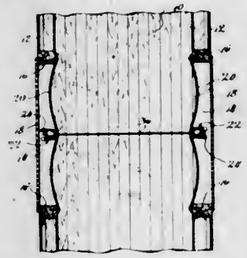


In a dynamometer to which torque is to be transmitted and having a body arranged so as to tend to shift in one direction and in the opposite direction depending upon the direction of the torque transmitted thereto, two spaced oppositely facing thrust members on the body, a fixed support, a lever, a flexible thin metallic element fixedly secured to the support and to the lever and having a portion thereof between the fixed support and the lever and constituting a fulcrum, said fulcrum being located intermediate the ends of the lever, one of the thrust members being normally in substantial engagement with one side of the lever and on one side of the fulcrum, the other thrust member being normally in substantial engagement with the opposite side of said lever and on the opposite side of said fulcrum, and a fluid pressure balancing means operatively associated with the lever and arranged to be actuated upon lever movement to admit fluid under pressure and to exhaust fluid under pressure depending upon the direction of movement of the lever to balance the torque transmitted to the body.

2,581,991
LOAD RETAINING DOOR HAVING CENTER SUPPORT

Le Roy Weiss, Chicago, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware

Application August 16, 1950, Serial No. 179,849
3 Claims. (Cl. 160—368)



1. A retaining door comprising a flexible panel having its strength principally in tension adapted to be secured across a doorway to be closed and means for supporting the center of said panel along a vertical center line including a channel member, wire gripping tapered plugs disposed

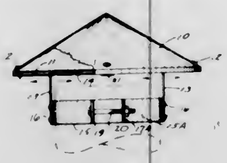
within said channel, said channel having means to limit movement of said plugs within a desired longitudinal range, said channel having openings therethrough to give access to the centers of said plugs within said range, two of said channel members being adapted to be disposed at opposite sides of a railway car or the like tied together across the car by wires passing through the car and through said plugs.

2,581,992

SMOKE PIPE TOP

Milton H. Wilder, Niles, Ohio, assignor to Wilder Products Company, Springfield, Ohio, a corporation of Ohio

Application July 30, 1949, Serial No. 107,661
3 Claims. (Cl. 98—83)



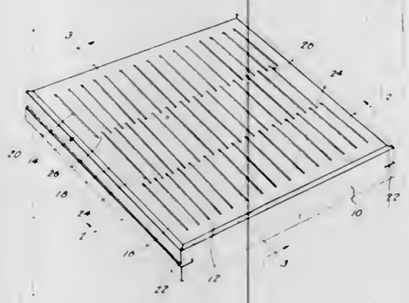
1. A smoke pipe top comprising in combination a conical top portion, an inverted channel secured to said conical top portion across the open end thereof, and a pair of inverted L-shaped brackets portions of which are slidably fastened in said channel and held thereby in oppositely disposed relation, and portions of which depend therefrom, a half-circular section of a draw band secured to the lower end of each of said depending portions of said brackets and in oppositely disposed relation to one another, and fasteners adjustably securing the ends of said half-circular sections of said draw band to one another.

2,581,993

PROCESS OF MAKING ACOUSTICAL TILE

Grant S. Willey, Chicago, Ill., and Orcutt W. Frost, Gaston, Oreg., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Original application September 17, 1943, Serial No. 502,728. Divided and this application December 6, 1948, Serial No. 63,718
2 Claims. (Cl. 18—47.5)



1. In the process of making a slotted acoustical tile, the steps of densifying the surface of a fibrous base by the application of heat and pressure to form a skin coat thereon, penetrating the said skin coat by means of a series of parallel, cutting means to the desired depth.

2,581,994

CABLE PROVIDED WITH POLARIZED OUTLETS FOR SEISMIC PROSPECTING

Alfred C. Winterhalter, Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application April 25, 1946, Serial No. 664,754
2 Claims. (Cl. 174—72)



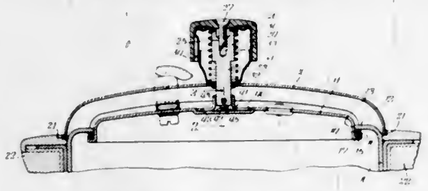
1. A cable assembly for seismic prospecting comprising a cable containing a plurality of pairs of conductors, a plurality of polarized outlets distributed in spaced relation along the length of said cable, each of said outlets being associated with one of said pairs of conductors and comprising a conductor connected to one conductor of its pair and wrapped about the cable to present an approximately cylindrical exposed contact, and a pigtail connected to the other conductor of its pair, each of said outlets being connected to one of said pairs of conductors.

2,581,995

PRESSURE COOKER COVER SUPPORT

Myron J. Zimmer, Wood Dale, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois

Application October 29, 1947, Serial No. 782,711
2 Claims. (Cl. 220—25)



2. In a pressure cooker comprising a receptacle having an elliptical top opening and a cover, with the cover engageable with the underside of the margin of said opening and movable therethrough when tilted and rotated 90° out of alignment with said opening, the combination of a bridge member adapted to be seated at its ends on the receptacle over said opening and to be held against rotation relative thereto when so seated, a cover-supporting stem for rotating the cover and moving it vertically, said stem extending through said bridge member for rotation and axial movement therein, means mounted on said bridge member and connected to said stem for rotating the cover into and out of alignment with said opening and for raising and lowering the cover into and out of engagement with the margin thereof including a manually rotatable knob positioned centrally over said bridge member and coaxial with said stem, and a universal connection between said cover and said stem comprising a socket member rigid with the cover and having an upstanding tubular portion loosely receiving the lower end of said stem, said tubular portion having a pair of diametrically opposite holes, a pin extending through said stem and loosely received at its ends in said holes to permit the cover to tilt to a limited extent relative to

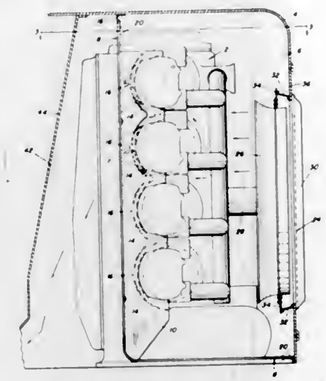
the stem, and a spring in said socket member interposed between said cover and said stem and tending to hold them in axial alignment.

2,581,996

ENGINE COOLING SYSTEM

Carl F. Bachle, Grosse Pointe, Mich., assignor to Continental Motors Corporation, Muskegon, Mich., a corporation of Virginia

Application December 13, 1947, Serial No. 791,639
3 Claims. (Cl. 123—41.61)



3. In an engine powered automotive vehicle comprising a vehicle structure and an air cooled multi-cylinder internal combustion engine supported thereby, said vehicle structure provided with a pressurized compartment having a rear wall, said engine being mounted in said compartment forwardly of said rear wall, a blower for flowing cooling air into said compartment, said compartment rear wall having outlets and air flow baffles adjacent to and coacting with the outlets to direct air to flow in heat transfer relation with respect to all said engine cylinders, and said compartment bounded by a hood structure and said rear wall which is secured to the engine and to said hood structure, whereby to provide a pressurized compartment having a cross-sectional air flow area exceeding four times the area of said outlets to provide for substantial uniform air pressure adjacent to all said cylinders, said engine mounted on end in said compartment with its cylinders extending normal to the vertical longitudinal vehicle plane and parallel to said rear wall of said pressurized compartment, and a baffle to the rear of said rear wall to deflect the air exhausted from said pressurized compartment to atmosphere generally downwardly and rearwardly of said engine.

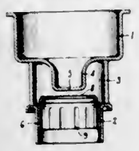
2,581,997

ELECTRON TUBE STRUCTURE AND THE MANUFACTURE THEREOF

James E. Beggs, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Original application August 10, 1944, Serial No. 548,859, now Patent No. 2,402,119, dated June 18, 1946. Divided and this application July 12, 1945, Serial No. 604,676
6 Claims. (Cl. 29—25.13)

1. Apparatus for manufacturing an electronic tube of the type having a first planar electrode, an annular member axially aligned with said electrode, and a second planar electrode adjustably supported within said annular member, comprising means for supporting said second electrode, means for adjusting the position of said



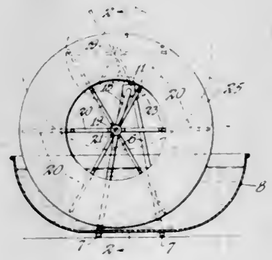
second electrode within said annular member, and means for measuring the capacitance between said pair of electrodes as said position is adjusted.

2,581,998

INNER TUBE TESTER

Walter A. Bishman, Osseo, Minn.

Application October 5, 1946, Serial No. 701,469
3 Claims. (Cl. 73—49)



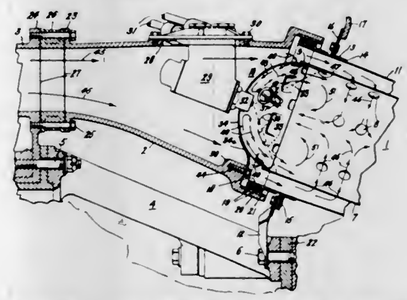
1. In an inner tube tester for use in conjunction with a water pan, a supporting standard, a shaft pivotally carried by said standard above the lower portion thereof and having a crank portion extending outwardly therefrom to overlie the water pan, a tube engaging and supporting unit rotatably supported on said crank portion and means for selectively retaining said crank portion in raised and lowered position above and below the axis of said shaft.

2,581,999

HEMISPHERICAL COMBUSTION CHAMBER END DOME HAVING COOLING AIR DEFLECTING MEANS

Walter L. Blatz, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application February 1, 1946, Serial No. 644,888
6 Claims. (Cl. 60—39.65)



5. An end dome for a cylindrical combustion chamber liner comprising a thin wall defining a substantially hemispherical surface and having a

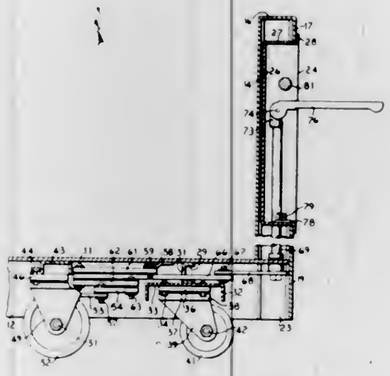
central opening adapted to receive fuel injection means, the rim portion of said wall forming circumferentially spaced projections adapted to engage the inner surface of the liner, and other portions of the wall intermediate said central opening and said rim portion defining nozzles adapted to direct cooling and insulating air in a thin sheet along the inner surface of the dome radially inwardly toward said central opening.

2,582,000

HAND PROPELLED VEHICLE

Hilmer F. Bloomstran, Jamestown, N. Y., assignor to Watson Manufacturing Company, Inc., Jamestown, N. Y., a corporation of New York

Application November 23, 1948, Serial No. 61,709
3 Claims. (Cl. 280—48)



1. A push propelled vehicle comprising a load carrying body, a panel extending upwardly from one end of said body, swivel wheels located near opposite ends of said body, a pair of intermediate swivel mounted wheels cooperating with said first mentioned wheels to sustain said vehicle, unitary means rigidly connecting said intermediate wheels for simultaneous and equal rotary movement, a lever carried by said panel and movable into either of two positions, a shaft extending downwardly from said lever and terminating beneath said body, linkage operatively connecting said means with said shaft, said linkage including means for abutting the base of said panel upon a 90° turn of said lever in either direction and limiting swiveling movement of said pair of wheels to approximately a ninety degree turn, said lever, through said shaft and linkage, being capable of swiveling said pair of wheels to enable selective movement of said vehicle in the general direction of its length or directly transversely thereto, and other means mounted on said panel for securing said lever in either of said two positions whereby to render said pair of wheels non-swivelable in either of two positions.

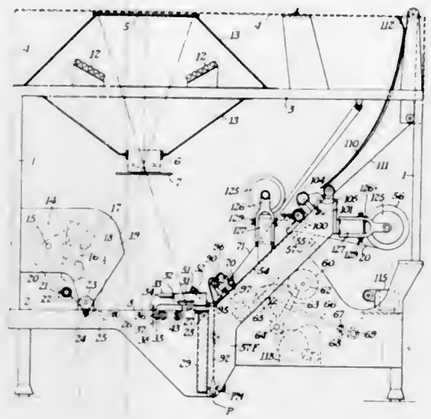
2,582,001

PHOTOGRAPHIC PRINT MAKING MACHINE

William Bornemann and Donald J. Albert, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 22, 1949, Serial No. 100,636
18 Claims. (Cl. 101—131)

1. In a machine for making prints from wet negatives by bringing receiving paper in contact with the negative under pressure to receive an image therefrom, the combination with a support for a strip of light-sensitive material bearing a negative latent image upon the strip material, a moving means for moving the latent image bearing strip to a developing station, a developing tank at the developing statoin, a developing roller, a movable support for the developing roller operable to engage and release the roller, means for releasing the developing roller to submerge an exposed area of the negative material in the developing tank, an inclined plate leading from



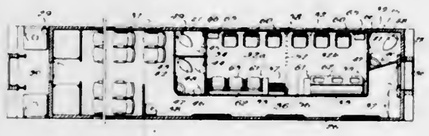
the developing tank, rollers for supporting a length of developed negative above the inclined plate, a negative winding device to move a developed area of the negative material above the inclined plate, a support for receiving paper, a carriage slideable over the plate, a pressure roller supported by the carriage, the receiving paper passing around and being guided by the pressure roller and means for moving the carriage to cause said pressure roller to press the receiving paper and negative together with the latter upon the inclined plate.

2,582,002

RAILWAY CAR

James E. Candlin, Jr., Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application August 2, 1945, Serial No. 608,502
4 Claims. (Cl. 105—344)



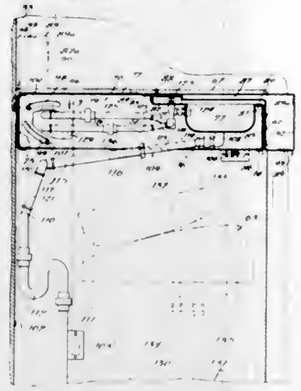
1. A room bounded by four fixed walls, a movable wall adapted to divide the room into two smaller rooms, seats in each smaller room aligned along one of the fixed walls, an elongated horizontally disposed basin unit over at least some of said seats in each room comprising a plurality of basins, the seats being disposed underneath the basin unit, and mounting means for the basin unit whereby the unit may be moved to an inoperative, upright position adjacent to the last mentioned seats to thereby make the seats accessible.

2,582,003

PIVOTED LAVATORY APPARATUS FOR RAILWAY CARS

James E. Candlin, Jr., Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

Original application August 2, 1945, Serial No. 608,502. Divided and this application September 10, 1945, Serial No. 615,478
7 Claims. (Cl. 4—169)



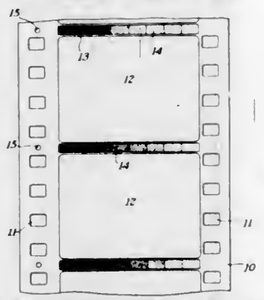
1. A basin unit comprising an elongated housing, a plurality of basins in the housing, a movable cover adapted to close the basins and provided with a box-like container, means mounting the cover on the housing for movement between closed position where the basins are covered to open position where the basins are uncovered, the box-like container having an opening therein accessible when the cover is in its open position, a support for the housing, and means pivotally mounting the housing on the support so that the housing may be pivoted from a horizontal to a vertical position.

2,582,004

MOTION-PICTURE SENSITOMETRY

John G. Capstaff, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 2, 1947, Serial No. 777,549
6 Claims. (Cl. 95—9)



1. A band of sensitized film adapted to receive thereon a longitudinal series of spaced pictures of uniform size, having on said band at intervals throughout its length transverse, latent images of a sensitometric strip, said images comprising an identical pattern of areas of different exposure values and being positioned in the spaces adapted to separate consecutive pictures, and indicia on said film for determining the position of the latent images upon the film.

2,582,005

STATOR AND METHOD OF MAKING SAME

Wilbur L. Carlson, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

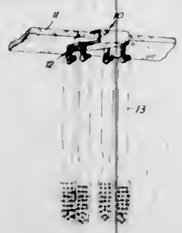
Application October 27, 1948, Serial No. 56,896
4 Claims. (Cl. 171—252)



1. The method of making a stator for an A. C. motor which comprises assembling a stack of metal laminae each of which is an internally slotted ring and, while maintaining the stack temporarily in assembly with the laminae in alignment, forcing against the outer periphery of the laminae stack a plurality of metal binding members each made made of metal of substantially the same thermal coefficient of expansion as the metal of the laminae, each having thickness substantially less than the width of a lamina ring from slot inner end to outer periphery, each having length greater than the width of the stack, and each having a relatively narrow rib the intermediate portion of which initially engages the stack periphery and the end portions of which extend respectively beyond the end laminae and, while the ribs are pressed against the stack, passing electric current between the stack and ribs to cause fusion of the ribs and the engaged portions of the stack so that the ribs are mashed into the laminae and are united with metal thereof, the welding operation causing the mean temperature of the binding members, by virtue of their relative thinness, to exceed substantially the mean temperature of the stack whereby, upon cooling of the assembly, the binding members have a shrink fit about the laminae stack, the unfused end portions of the ribs serving as lugs which grip the stack.

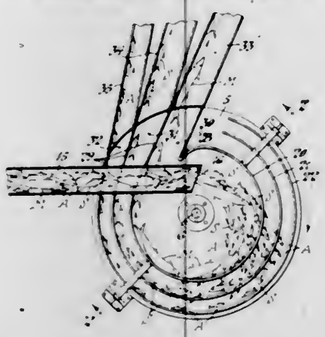
4. A stator for an A. C. motor comprising a stack of metal laminae, each lamina being an internally slotted ring, a plurality of metal binding members located adjacent the outer periphery of the laminae and retaining the stack in assembled relation, each member being formed of metal of substantially the same thermal coefficient of expansion as the metal of the laminae, each having thickness substantially less than the width of a lamina ring from slot imer end to outer periphery, each having length exceeding the length of the stack of laminae, each member providing a rib, the major, intermediate portion of which is mashed into the peripheral portion of the stack by an electrical projection welding operation which unites said portion with the metal of the laminae, the end portions of the rib extending beyond and being in contact with the end laminae, the member having a shrink fit about the laminae resulting, after the welding operation, from lengthwise contraction of the member in excess of lengthwise contraction of the stack because the welding operation, by virtue of the thinness of the member, had caused the mean temperature of the member substantially to exceed the mean temperature of the stack.

2,582,006
TOOTHBRUSH HOLDER
Gordon R. Cedarleaf, Rockford, Ill., assignor to Gust E. Lindstrom, Rockford, Ill.
Application January 31, 1947, Serial No. 725,577
1 Claim. (Cl. 211—66)



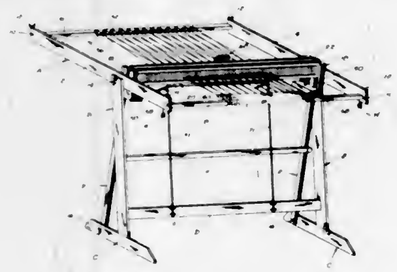
A tooth brush holder adapted to be mounted on the forward edge of a shelf, comprising a single elongated piece of sheet metal stamped to provide a body portion and tooth brush suspension hooks spaced alternately in staggered relation along the extreme opposite sides of the body, said body being bent back upon itself to form spaced upper and lower elongated narrow portions shaped to extend rearwardly from the forward edge of the shelf a substantial distance to engage the top and bottom surfaces thereof and forming shelf gripping jaws, each said hook being bent to depend from the extreme sides of the lower portion and being formed with a forwardly extending upwardly inclined toe portion, said hooks at each side being spaced apart along that side and said body being sufficiently wide to space apart the hooks at the respective sides to permit simultaneous suspension of a tooth brush on each of said hooks.

2,582,007
FISH GRADING APPARATUS
Andrew L. Christiansen, Compton, Calif.
Application May 24, 1948, Serial No. 28,869
2 Claims. (Cl. 209—105)



1. An apparatus for sorting elongate objects according to differences in their thicknesses, comprising: a horizontal rotatable disc; driving means for rotating said disc; delivery means for delivering the objects haphazardly onto said disc adjacent its axis of rotation; said objects being propelled radially outward on said disc under the influence of centrifugal force; and wall means defining a series of concentric, part-circular restraining elements associated with said disc and against which said objects are adapted to be moved and turned to cause them to lie on their sides and lengthwise of the inner surfaces of said elements due to the combined rotation of said disc and the centrifugal force, said elements being spaced radially from each other with respect to the axis of the disc and forming arcuate paths, the lower portions of said elements being arranged at progressively increased distances above the upper surface of said disc, with respect to a direction toward the axis of said disc, the objects being adapted to pass under only those elements which are spaced above said disc at a distance greater than their size, and adapted to be retained only by an element under which they are unable to pass so that the largest of said objects are retained by the innermost element and the smallest of said objects are retained by the outermost element of the series, said wall means defining a series of troughs into which the objects are moved in the direction of their length, one trough extending tangentially from each arcuate path to facilitate the discharge of the several sizes of objects, said troughs being disposed in side-by-side, substantially parallel, relationship.

2,582,008
HAND LOOM
Thomas H. Clack, South Norwalk, Conn.
Application May 5, 1947, Serial No. 745,958
4 Claims. (Cl. 139—33)



1. A hand loom comprising a weaving frame, means for tiltably supporting said frame for movement from a horizontal plane, a reed, a plurality of heddles, means for supporting said reed and heddles for arcuate movement through the plane of said frame, and means mounting said heddles for vertical movement in said supporting means.

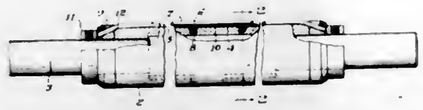
2,582,009
PREPARATION OF CELLULOSE ACETATE SULFATES
Carlton L. Crane, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 13, 1949, Serial No. 104,482
9 Claims. (Cl. 260—215)

9. A method of preparing cellulose acetate sulfates which comprises esterifying cellulose in an esterification bath made up essentially of 51–550 parts of H_2SO_4 and acetic anhydride the parts of 100% acetic anhydride per 100 parts of bone dry cellulose being at least

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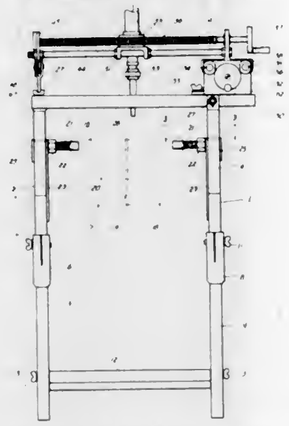
where X equals the parts of 100% sulfuric acid per 100 parts of bone dry cellulose, the liquid-to-cellulose ratio being 4.8–12:1, at a temperature not to exceed 85° F., adjusting the liquid composition of the bath so that at least ⅔ of the completed esterification bath is glacial acetic acid and then adding thereto a sodium salt which converts the cellulose ester therein to a salt insoluble in glacial acetic acid whereby the cellulose derivative separates from the liquid portion of the mass and stabilizing by submerging the cellulose acetate sulfate formed in a liquid which swells but does not dissolve it and adjusting the pH of the ester in distilled water to a range of 4.5–7.

2,582,010
ARBOR
Edward A. Crosby, West Newton, Mass.
Application April 5, 1949, Serial No. 85,650
6 Claims. (Cl. 242—72)



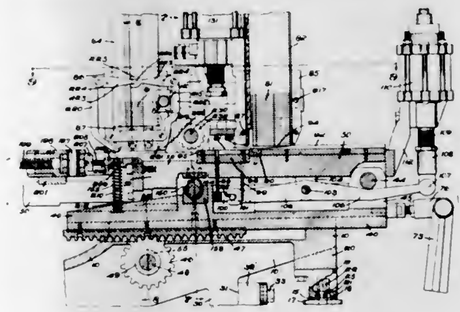
1. An arbor adapted for use in winding or unwinding a roll of paper or the like on a rigid hollow cylindrical core, said arbor having a wall portion defining a depression in the surface of said arbor extending longitudinally thereof, a part of said wall portion extending from a line of less radius at the bottom of said depression at an angle to said radius towards a line of greater radius, thereby providing a wedging surface in said depression, a longitudinally extending distortable cord of substantially circular cross-section disposed in said depression and movable along said wedging surface between said lines, the diameter of said distortable cord being slightly greater than the depth of said depression at said line of less radius and the surface of said distortable cord having a coefficient of friction adapted to cause it, when contacted by a surrounding smooth unyielding internal wall of a hollow core positioned over said arbor, to move along said wedging surface to lock the core against further rotation relative to said arbor in one direction as the cord moves up said wedging surface and to release the core from said lock upon rotation of said core relative to said arbor in the opposite direction as said cord moves down said wedging surface.

2,582,011
TESTING APPARATUS
Leonard J. Cunningham, Lincoln, Nebr.
Application November 28, 1945, Serial No. 631,265
2 Claims. (Cl. 29—288)



1. In a device of the character described, a supporting stand and work supporting structure comprising a pair of crossed legs, means demountably securing said legs in spaced relation, plate-like members having means for supporting them against the inner, adjacent sides of the crossed legs, said supporting means comprising outwardly extending, hook-like projections engageable over the crossed portions of the legs, and a plurality of transversely arranged, work-supporting studs threadedly and removably mounted on the said plate-like members and extending horizontally inwardly therefrom.

2,582,012
MACHINE FOR OPERATING ON BLANKS
Arthur L. Currier, New Ipswich, N. H., assignor to Independent Lock Company, Fitchburg, Mass., a corporation of Massachusetts
Application April 6, 1946, Serial No. 660,245
7 Claims. (Cl. 90—21)



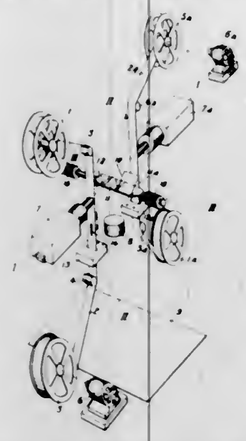
1. A machine of the kind described for grooving key blanks for a portion of their length, while automatically transferring the blanks from predetermined assembled position in a delivery magazine to a similar predetermined position in a duplicate receiving magazine, comprising a reciprocating worktable movable from adjacent the delivery magazine past grooving cutters to the receiving magazine including, means to position and to hold a blank on said movable table from one magazine to the other, and means including a cam actuated by the travel of the worktable and automatically actuated in timed relation with the reciprocating movement of the worktable to raise the worktable during the cutting action and to drop said worktable and separate the blanks from the grooving cutters at a predetermined point in the grooving operation, to limit the length of the grooves being cut.

4. A machine of the kind described, comprising milling cutters, a worktable movable under said milling cutters, a slide on which said worktable is moved, said slide being mounted on a pivoted knee, means for laterally adjusting said knee on its pivot, and means for vertically adjusting the opposite end of the knee.

2,582,013
MOVING PICTURE PROJECTION DEVICE
Henri de France, Lyon, France
Application January 30, 1942, Serial No. 428,971
In France October 11, 1941
Section 3, Public Law 690, August 8, 1946
Patent expires October 11, 1961
1 Claim. (Cl. 88—17)

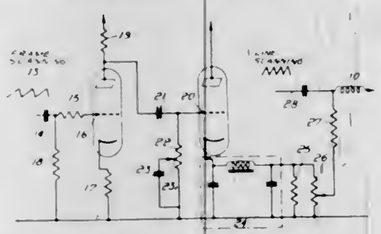
A moving picture projection device which comprises, in combination, two films, means for unwinding one film along a given path, means for unwinding the other film along a different path,

means for projecting a light beam across the path of unwinding of the first mentioned film, distinct means for projecting a light beam across the path of unwinding of the second mentioned film, a single objective for both of said light beams, shiftable optical reflecting means adapted to occupy either of two positions, in one of which said optical means reflect along the axis of said objective the light beam from one of said projecting means after its passage through the corresponding film and in the other of which



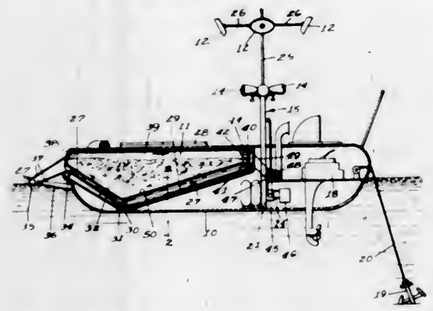
said optical means reflect along the same axis the light beam from the other of said projecting means after its passage through the corresponding film, each of said films being provided with marking means near one end thereof, and a mechanism operative by each of said film marking means for automatically shifting said optical means from one position to the other as the film which is being unwound brings said marking means in cooperating relation with said mechanism.

2,582,014
SCANNING DEVICE FOR TELEVISION TRANSMITTERS
Henri Georges de France and Herbert Ernyei, Paris, France, assignors to Society: "La Radio-Industrie," S. A., Paris, France, a society of France
Application May 4, 1949, Serial No. 91,242
In France May 8, 1948
6 Claims. (Cl. 315—24)



1. In combination with a television camera tube including a photocathode, a target, electron optics means for directing the electrons released by said photocathode onto said target to form an electron image thereon, and an electron beam scanning device including means for deflecting the electron beam in the horizontal direction, means for deflecting the electron beam in the vertical direction and means for supplying each of said deflecting means with respective periodically varying voltages, means for superimposing on the voltage supplied to the means for deflecting the beam in one of said directions in at least substantially sinusoidal correcting voltage of a frequency equal to that of the voltage supplied to the means for deflecting the beam in the other direction and of a phase adjusted to obtain at least partial compensation of the S distortion of said electron image.

2,582,015
FISHING LURE FOR USE IN CONNECTION WITH HAUL SEINE SYSTEMS
Thomas P. Duncan, Jr., Newport News, Va.
Application October 7, 1947, Serial No. 778,387
3 Claims. (Cl. 43—4)

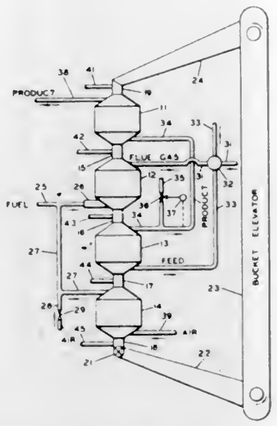


1. Apparatus of the character described for luring fish to a prescribed water area, comprising a boat, a hopper within the boat, the wall of the boat having an outlet opening leading from the hopper at an elevation above the water line, an endless conveyor supported to extend lengthwise of the boat, the conveyor having a bottom run passing through the lower part of the hopper and a top run extending over the top of the hopper and the material therein, and a conveyor pulley supported at the water line outside the boat and at a substantial distance from said outlet opening, and said conveyor having the bottom run passing through said outlet opening to and around said pulley.

2,582,016
PROCESS FOR THE PRODUCTION OF ACETYLENE
Harris A. Dutcher, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application February 14, 1946, Serial No. 647,589
1 Claim. (Cl. 196—55)

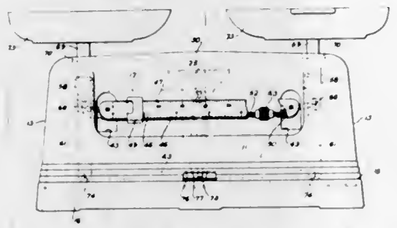
A continuous process for cracking a propane-rich light hydrocarbon stream to produce ethylene and acetylene which comprises cracking said hydrocarbon stream in a first cracking zone in contact with a gravitating compact stream of hot pebbles at a temperature of approximately 2000° F. so as to produce an ethylene-rich stream; heating a second gravitating compact stream of pebbles in a pebble heating zone to a temperature above 3000° F.; gravitating said second stream of hot pebbles directly from said heating zone through a second cracking zone passing the hot ethylene-rich stream at substantially effluent temperature directly from said first cracking zone in contact with said second stream of pebbles in said second cracking zone so as to crack said ethylene-rich stream to an acetylene-rich stream, thereby

increasing the yield of acetylene by reducing decomposition thereof effected by extended reaction time at elevated temperatures; immediately rapidly water-quenching said acetylene-rich stream to a temperature in the range of 900 to 1400° F.; passing the quenched acetylene-rich stream through a pebble preheating zone positioned above said pebble heating zone in direct heat-exchange with said second pebble stream upstream of said pebble heating zone so as to further quench said acetylene-rich stream and pre-



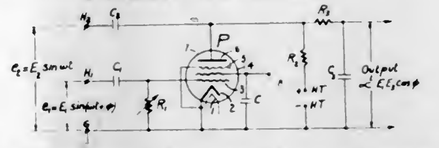
heat said pebbles; gravitating said second pebble stream from said second cracking zone through a pebble cooling zone in contact with a stream of air so as to cool said pebbles to a temperature below 900° F. and heat said air; passing at least a portion of said air to said pebble heating zone in admixture with fuel under combustion conditions so as to heat the pebbles therein; recycling the pebbles from said pebble cooling zone to said pebble preheating zone; and recovering the acetylene-rich effluent from said preheating zone.

2,582,017
BALANCE
John H. Eagle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 24, 1947, Serial No. 743,663
12 Claims. (Cl. 265—54)



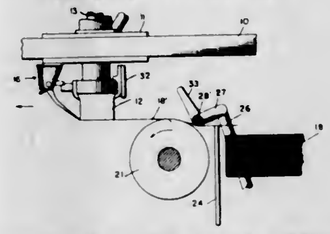
1. A balance comprising, in combination, a base, a channel-shaped scale-beam formed from a strip of sheet material, a central trunnion, end trunnions, means including bendable fingers formed from the material of said beam for detachably connecting said trunnions in position thereon, means for connecting said central trunnion to said base to pivot said beam thereon, and weighing pans supported on said end trunnions.

2,582,018
THERMIONIC MULTIPLYING AND MEASURING CIRCUIT
Mohamed Abdu Hassan El-Saïd, Giza, Egypt
Application March 16, 1948, Serial No. 15,236
6 Claims. (Cl. 171—95)



2. A multiplying circuit for obtaining the average value of the instantaneous product of two alternating voltages comprising a multigrid tube having a cathode, a grid, a plate, and at least a screen grid, power supply means for predetermining the operation of said tube under initial velocity conditions such that applying a voltage to said grid causes both plate and grid currents to vary simultaneously in an exponential manner with said applied voltage to grid, said grid current varying faster than said plate current, and such that applying a voltage to said plate causes the plate current to vary linearly with said applied voltage to plate without affecting said grid current, a resistor connected between grid and cathode providing circulation of grid current to cathode, means for applying one input alternating voltage to said plate, means for applying a second input alternating voltage to said grid through a coupling capacitor, means for positively polarizing the plate through a load resistor, means for taking a useful D. C. output voltage from said plate, and grid rectification means so adjusted by said resistor that said useful D. C. output voltage is proportional to the average value of the instantaneous product of said two applied alternating voltages, whereby multiplication is obtained by the combination of said variations in plate and grid currents consequent upon the application of said two alternating voltages together with the adjustment of said grid rectification means to compensate for plate rectification caused by said exponential plate current grid voltage variation.

2,582,019
PASTER AND HOLD-DOWN MEANS FOR LABELING MACHINES
Frank Elsner, Hanover, Pa.
Application May 25, 1949, Serial No. 95,248
10 Claims. (Cl. 91—50)



1. In combination with a label pasting apparatus, a label pick-up unit supported for translational movement from a label pick-up position to a label deposit position, means supporting a stack of labels at the pick-up position, an adhesive transfer roller arranged between said positions to have a label drawn over the surface thereof by the unit in its movement from the pick-up to the deposit position, a movable member, and means supporting said member for movement into engagement with the top of a label

carried by the pick-up unit, at the rear of the unit, to press the label down toward the roller surface behind the line of first contact of the label with the roller, to cause the label to conform to and follow a portion of the curved surface of the roller.

2,582,020

ELECTROLYTIC POLISHING

Sheldon B. Emery, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 15, 1947, Serial No. 760,951
3 Claims. (Cl. 204—140.5)



1. In a method for utilizing alternating current in electrolytic polishing operations, the steps comprising; providing a cathode taken from the class consisting of aluminum, tantalum and magnesium, positioning the cathode in a cell containing a polishing solution consisting essentially of an electrolyte taken from the class consisting of a saturated aqueous solution of ammonium phosphate, a saturated aqueous solution of ammonium phosphate mixed with a 5 to 50% citric acid solution, and a saturated aqueous solution of ammonium phosphate mixed with a 5 to 50% tartaric acid solution, providing work to be polished consisting of cupreous metals, and placing said work in the cell as an anode, and then supplying alternating current to the cell by connecting the output of a transformer to said cathode and said anode, whereby the cathode films and permits only unipolarity current to flow through the electrolyte for polishing the work.

2,582,021

VISE-OPERATED ROD CUTTER

George M. Ernst, Compton, Calif.

Application January 20, 1950, Serial No. 139,742
3 Claims. (Cl. 81—38)



1. A vise-actuated cutter comprising: an elongated block supportable between the jaws of a vise; outwardly extending flange members on the extremities of said block for resting on said jaws to support said block therebetween; a transversely extending rod-receiving notch formed in said block intermediate its extremities; a guide passage formed longitudinally of said block so as to intersect said notch; and a knife member slidably mounted in said guide passage at each side of said notch to move transversely of the latter so as to contact each other within said notch, said knife members being sufficiently long to project from the extremities of said block into contact with the jaws of said vise.

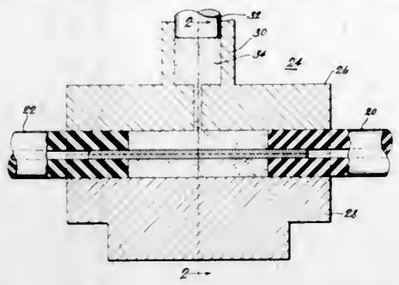
2,582,022

MOLD PART AND FASTENING MEANS

Jack E. Feldman and Wayne M. Martin, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 10, 1948, Serial No. 20,296
3 Claims. (Cl. 18—36)

1. A mold assembly for molding a cored joining section of rubber-like material joining two spaced end portions of previously molded rubber-like members, comprising: a divided mold having a mold cavity for receiving said two end portions in spaced relation therein so that said end portions form cavity walls for the remaining portion of said cavity wherein said joining section is molded, and a removable core for forming a cored void in said joining section, the opposed



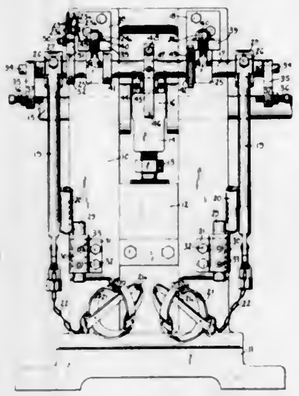
ends of said core extending into the rubber-like material of said spaced end portions and having fastening means projecting from the core member and arranged so as to be embedded into the material of each of said spaced end portions for holding said spaced end portions in predetermined spaced position in the mold cavity, said core being removable from the divided mold together with the joined end portions as a unit after the molding operation is completed.

2,582,023

SAFETY GUARD FOR PRESSES

Edwin R. Ferrer, Fairfield, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application December 29, 1949, Serial No. 135,729
14 Claims. (Cl. 74—615)



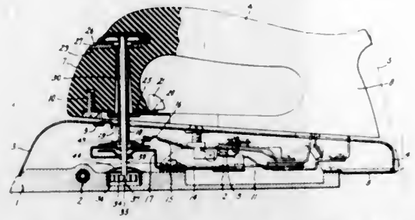
1. In a machine of the type described having a ram or gate vertically movable in a frame and having a bed below the ram adapted to hold a workpiece to be operated upon, a pair of arms having upper ends swingingly mounted at the front of the frame at an elevation above the work and having lower ends flexibly connected to wristlets, said arms being adapted to swing forwardly and rearwardly at the sides of the ram, means for guiding the lower end portions of said arms in a forward and rearward direction, and means operatively connecting a moving part of the press with the upper ends of said arms to swing the arms forwardly, said means being operable only when the operator's hand is in the danger zone under the ram and when the ram has descended to a predetermined point.

2,582,024

HEAT SETTING AND TEMPERATURE INDICATION IN FLATIRONS

Frank E. Finlayson, Ontario, Calif., assignor to General Electric Company, a corporation of New York

Application May 20, 1950, Serial No. 163,185
4 Claims. (Cl. 38—82)



1. In an automatic electric flatiron of the type having an ironing body with a heating element therein, a thermostatic control for maintaining a given temperature for said element, manually operable heat setting means for altering said control for the production of selected degrees of heat in the iron, and a handle secured to said ironing body with a vertically extending post near the front of said iron, that improvement in a heat setting and heat indicating arrangement for the iron comprising a vertically extending passageway in said post opening at the top and front thereof, a rotatable hollow circular shell mounted for rotation about a central vertical axis at the top of said post, a vertically extending tubular shaft fixed to said shell and extending through said passageway into said ironing body, means connecting the lower end of said tubular shaft to said heat setting means, a thermally responsive member in said ironing body movable in response to the temperature of said heating element, a vertically extending rotatable rod secured to said thermally responsive member at its lower end and extending from said member through said passageway inside of said tubular shaft, and a circular disc shaped indicator at the top of said shaft within said shell, said shell being provided with a transparent window for observing the position of said disc.

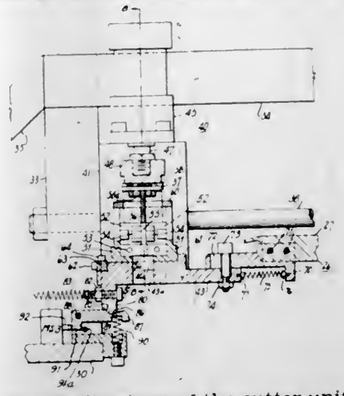
2,582,025

TUBE CUTTING APPARATUS

Bernard E. Frank, John W. Armstrong, and George E. Histed, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 27, 1949, Serial No. 112,794
4 Claims. (Cl. 164—48)

3. Apparatus for cutting tubing into lengths while moving longitudinally, a cutter unit mounted for movement with the tubing from a starting position and having a tubing severing blade past which the tubing moves longitudinally, an abutment member connected with the cutter unit and normally located in the path of movement of the moving tubing whereby said abutment member is engaged by the tubing and moves the cutter unit with the tubing after engagement of the abutment member by said tubing, mechanism rendered effective after the cutter unit is moving with the tubing for causing the blade to sever the tubing while the cutter is moving therewith, a latch for normally holding the abutment member in position to be engaged by the tubing, means operable in response to movements of the tubing for disengaging the latch from the abutment member after completion of the cutting op-



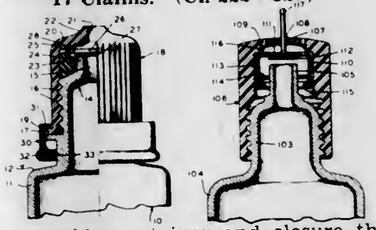
eration to permit return of the cutter unit to normal position, means for returning said cutter unit, means for ejecting the severed tubing from the apparatus, and means responsive to operation of the tube severing device for controlling the operation of the ejecting means.

2,582,026

CLOSURE FOR CONTAINER HAVING A NECK WITH A REDUCED OUTER PORTION AND A BORE, AND SEALS FOR SAID BORE AND SAID REDUCED PORTION

Max Friedman, High Point, N. C.

Application December 2, 1946, Serial No. 713,575
17 Claims. (Cl. 222—520)



2. A portable container and closure therefor comprising a container having an externally screw threaded neck provided with a longitudinal bore; a generally cylindrical internally screw threaded cap threaded onto said neck; a seal support carried transversely of said cap and provided with marginal apertures; a disc type seal carried by said support centrally thereof in position to seal the outer end of said neck; and a sealing washer of resilient material secured in said cap and surrounding the outer end portion of said container neck and bearing against the marginal surface of said seal support to position said support and said seal in said cap.

2,582,027

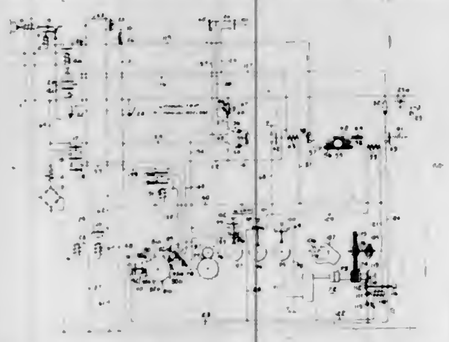
AUTOMATIC CIRCUIT BREAKER RECLOSING SYSTEM AND APPARATUS

Leon E. Goff, Jr., Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application November 10, 1950, Serial No. 194,951
20 Claims. (Cl. 175—294)

15. A circuit breaker reclosing control system having in combination, a cycle timer motor hav-

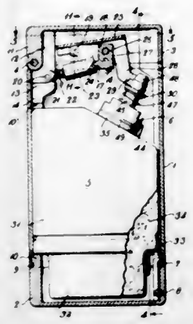
ing a clutch-connected cam shaft biased to an initial position and provided with a releasing electromagnet having a seal-in switch operated upon energization thereof, a lockout switch operated by the cam shaft at the end of the cycle to deenergize the timer motor, an interlocking restart switch closed in the initial position of the cam shaft, a time delay reclosing control switch having a series of coaxial separately adjustable rotatable operating elements operated by the cam shaft to close the time delay reclosing control switch at successive adjustable time intervals during the cycle, a cycle restart control switch for controlling the energization of the clutch-releasing electromagnet and having a series of coaxial rotatable operating elements, each connected with the corresponding element of the first series for rotation and adjustment jointly therewith and angularly related to close the cycle restart switch during each interval, a two-position multi-contact switch mechanism



having interlock means for holding the mechanism in each position and provided with an instantaneous reclosure control contact closed in one position and a second switch contact closed in the other position and interconnected with the lockout switch to start the timer motor into operation and a third switch contact closed in the other position and connected in circuit with the cycle restart switch for effecting energization of the clutch-release electromagnet when the circuit breaker remains closed at the time of closure of the cycle restart switch, an operating electromagnet energizable under control of the circuit breaker for operating the two-position switch mechanism to the other position during instantaneous reclosure of the circuit breaker and an operating electromagnet energized under control of the interlocking restart switch and the seal-in switch for operating the two-position switch mechanism to the one position when the clutch is released and the cam shaft returns to the initial position in accordance with its bias.

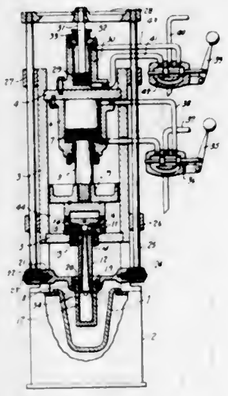
2,582,028
LIGHTER
Sydney B. Goldman, Washington, D. C., and Richard H. Krueger, Maplewood, N. J., assignors, by mesne assignments, to BLC Inc., Wilmington, Del., a corporation of Delaware
Application March 16, 1950, Serial No. 150,022
4 Claims. (Cl. 67—7.1)

3. In a lighter, the combination of a case comprising an open-ended body portion, a removable bottom closure for the lower end of said body portion and a cover hinged to a side wall of said body portion and constructed and arranged to close the upper end of the body portion, a fuel cartridge slidable in said body portion and retained in the latter by said bottom closure, a discharge valve at the upper end of said cartridge and spring means normally holding the valve in closed position, a lever supporting member between opposite side walls of said body portion at the upper



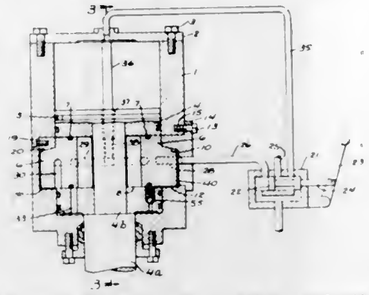
end thereof, a lever pivotally mounted on said supporting member and constructed and arranged to open said valve when tilted, and means actuated by the opening movement of said hinged cover for tilting said lever.

2,582,029
DIE CASTING MACHINE
Folke Halward, Detroit, Mich.
Application March 11, 1948, Serial No. 14,311
3 Claims. (Cl. 22—68)



1. In a die casting machine the combination of dies, means for supporting and moving the dies from open to closed position and from closed to open position, a crucible, an injector pump comprising a plunger and nozzle located above the crucible and secured to the lower die support and die by a removable nut and shoulder on the nozzle a closed end injector cylinder with side ports near the top and just under the lower end of the plunger when the cylinder is in lowermost position and fitted over the plunger and nozzle and means for reciprocating the injector cylinder from a position in the metal contained in said crucible with the open ports below the molten metal below the lower end of the plunger and the cylinder telescoped over the nozzle to a raised position above the lower end of the plunger and nozzle to thereby close the said ports and thereby inject a charge of liquid metal through the plunger and nozzle into the cavities of the closed dies, the means for reciprocating the injector cylinder including a cross member supported to tilt on trunnions so that the injector cylinder can be swung in and out of the crucible when the nut is unscrewed and the nozzle removed.

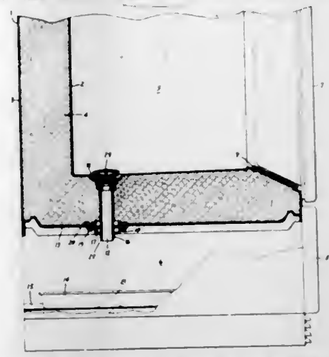
2,582,030
PISTON LOCK FOR DIE CASTING AND OTHER MACHINES
Folke Halward, Detroit, Mich.
Application November 30, 1950, Serial No. 198,457
9 Claims. (Cl. 121—40)



1. A piston lock for die casting and other machines, having in combination a cylinder, a piston with a cross passage reciprocating in the cylinder, and means for locking the piston at one end of its stroke, comprising a recess within the wall of the cylinder, a locking block slidable in the piston cross passage and recess and provided with a shelf adapted to be forced into engagement with a surface of the said recess, a second sliding locking block provided with a shelf and slidable in said cross passage on the other side of the piston, a second recess on the opposite side of the cylinder in which the said second block reciprocates and having a surface adapted to be engaged by the shelf of the second locking block, the piston having a passageway leading longitudinally into the piston and opening into the space between the blocks, the upper end of the passageway having an enlarged portion and a narrower lower portion communicating with the space between the inside ends of the locking blocks, and a valve rod located in said passageway through the piston and engaged in the head of the cylinder and the bottom of the cylinder and on which the piston slides, said rod having a notch therein connecting the larger diameter upper passageway with the space between the two locking blocks when the valve rod is turned for the notch to face said space between the blocks.

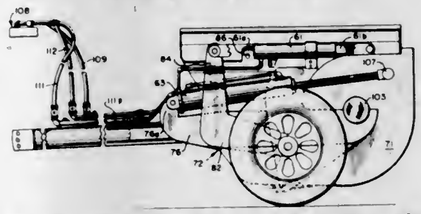
2,582,031
DRAIN MOUNTING AND SEALING ARRANGEMENT
George C. Harbison, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application January 17, 1947, Serial No. 722,662
4 Claims. (Cl. 182—8)

1. In combination, an inner wall forming a compartment and having an opening therein, an outer wall spaced from said inner wall and having an opening therein, means including a tube having a flange portion adjacent said outer wall for conducting liquid from said compartment, means including cooperating elements disposed on both sides of said outer wall for maintaining said flange portion in sealing engagement with said outer wall, said tube including a second flange portion adjacent said inner wall, and means readily accessible from within said compartment and including cooperating elements disposed on both sides of said inner wall for



maintaining said second flange portion in sealing engagement with said inner wall.

2,582,032
EARTH HANDLING IMPLEMENT
Robert R. Harmon and James T. Michie, Charlottesville, Va., assignors to Southern Welding & Machine Company, Charlottesville, Va., a partnership
Application May 29, 1947, Serial No. 751,497
7 Claims. (Cl. 37—129)

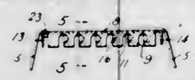


3. In an earth handling implement, a frame comprising a longitudinal member constituting the drawbar tongue and the sole forward frame member, a transverse member connected to said longitudinal member, side members fixed to said transverse member and extending longitudinally of said implement, an axle having wheels mounted thereon and an offset central portion pivotally connected to said frame adjacent the forward end of said side members and means for rotating said axle about said offset portion for raising and lowering said wheels with respect to said frame, the scraper bowl pivotally connected to the rear end of said side members, a source of hydraulic fluid pressure, double acting hydraulic means operably connected between said frame and one side of said scraper bowl, a second single acting hydraulic means operably connected between said frame and the other side of said scraper bowl, hydraulic means for rotating said axle about said offset portion for raising and lowering said bowl and means for connecting said hydraulic means for operating said bowl and said hydraulic means for rotating said axle to said source of fluid pressure.

2,582,033
KEY HANGER SUPPORT FOR KEY CASES
Robert P. Harvey, Longmeadow, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application October 18, 1946, Serial No. 704,249
11 Claims. (Cl. 70—456)
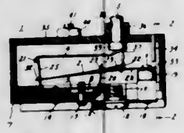
10. A key hanger support which comprises a plate member including a tubular portion pro-

vided with a transverse slot, said slot being enlarged at one point to form an escape opening, a bar member slidably positioned within said tubular member and having a spring connection with the plate, said spring connection normally maintaining one portion of the bar outwardly of the tubular member and another portion of said bar in a position blocking said escape opening, coaxially arranged finger engaging surfaces



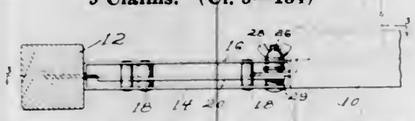
positioned at opposite ends of the tubular member one being rigid with respect to the tubular member and the other carried by and movable with said bar, whereby a pinching action applied to said finger engaging surfaces will move the outwardly extending portion of said bar inwardly of the tube and said blocking portion of the bar free of the escape opening, against the action of said spring connection.

2,582,034
SNAP ACTION SWITCH
George M. Hausler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 8, 1949, Serial No. 69,922
5 Claims. (Cl. 200—67)



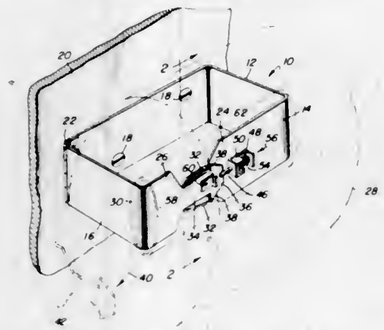
1. A snap action switch comprising a fixed contact and a movable contact cooperating therewith, a thin flat resilient member supporting said movable contact, said member having a plurality of longitudinal slots defining a plurality of compression arms, a plurality of tension arms each positioned between adjacent compression arms, said tension and compression arms being substantially parallel, and a pair of transverse end portions each connected respectively to a different end of said tension arms and connecting said tension arms to one end of each of said compression arms, a fixed support member engaging the other ends of a plurality of said compression arms, and a resilient movable member engaging said fixed support member and engaging the other end of another of said compression arms, said fixed and movable members coacting in establishing compression forces in said compression members, said end portions being movable between two positions responsive to movement of said movable member, and said movable contact being supported on one of said end portions.

2,582,035
EXTENSION FOR BED RAILS
Glenn Hill, Los Angeles, Calif., assignor to Irvin A. Brock, Los Angeles, Calif.
Application April 3, 1946, Serial No. 659,370
9 Claims. (Cl. 5—184)



3. A bed rail extension comprising a spacing shell, means slidable within said shell and having pins adapted to cooperate with the standard hook devices of a bed rail and also having hooks adapted to cooperate with the standard pin devices of a bedpost, said shell having at least one substantially channel-shaped cross-section portion and a slot at each end, whereby one end thereof permits access to said pins while confining the same, and means for securing the extension in desired relationship to a bed rail and an adjacent bed post.

2,582,036
TOILET PAPER HOLDER
Earl J. Hill, Bahama, N. C.
Application April 21, 1949, Serial No. 88,807
3 Claims. (Cl. 242—55.2)

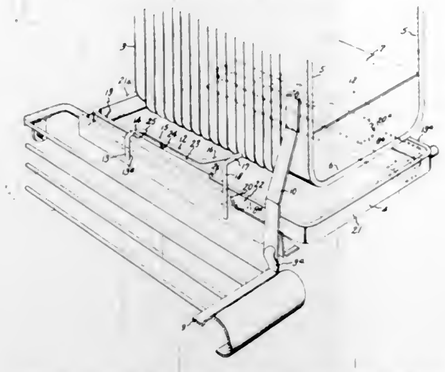


1. In a toilet paper holder, the combination of a frame comprising a stationary angulated member secured to supporting structure and having a free end portion receivable in one end of a toilet paper roll, a movable angulated member hingedly connected to said stationary member and having a free end portion receivable in the other end of the roll, a locking tongue at the free end of said movable member and a catch on the free end portion of said stationary member, said tongue being engageable with said catch, means for positively latching said tongue in engagement with said catch, and a guard on said tongue adjacent the free end of said movable member and positioned in alignment with said means for positively latching said tongue with said catch, said tongue and said guard being disposed centrally and between the ends of a paper roll positioned in the holder.

2,582,037
COATING COMPOSITION CONTAINING POLYETHYLENE AND WAX AND PAPER COATED THEREWITH
James B. Hyde, Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada
No Drawing. Application November 12, 1947, Serial No. 785,516
13 Claims. (Cl. 260—28.5)

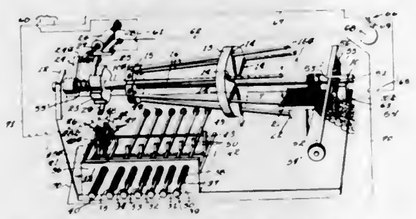
12. A wax paper coating composition comprising micro-crystalline wax, paraffin wax, and a minor proportion sufficient to prevent blocking but not exceeding 10% by weight of polyethylene having a molecular weight of at least about 3000; the total quantity of the micro-crystalline wax and the paraffin wax constituting at least 75% by weight of the composition, and the paraffin wax constituting at least 20% by weight of the composition, and the quantity by weight of micro-crystalline wax being at least 3 and not more than 9 times the quantity by weight of the polyethylene.

2,582,038
DRIP TRAY GUIDE WIRE AND STOP ARRANGEMENT
William R. Jewell, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application July 7, 1949, Serial No. 103,404
4 Claims. (Cl. 312—346)



1. In a refrigerator cabinet having an evaporator therein, a drip tray having parallel sides each having a centrally located elevated portion and means for positioning and supporting said drip tray beneath said evaporator comprising, a pair of guide rails positioned below said evaporator, a guide bracket formed from a single piece of wire rigidly secured to each of said guide rails, each of said guide brackets comprising longitudinally spaced vertical portions, the front one of said vertical portions extending above said guide rail a greater distance than the rear one, transverse horizontal portions extending respectively from each of said vertical portions, said horizontal portions being parallel and of substantially equal length and extending toward the corresponding part of the other of said guide brackets, a rearwardly declined portion connected to the front one of said transverse horizontal portions, a longitudinally disposed horizontal portion connecting said rearwardly declined portion to the other of said transverse horizontal portions, said front transverse horizontal portion and said front vertical portion and said rearwardly declined portion forming a wide-mouthed guide wire structure to facilitate the inserting and positioning of said drip tray in said guide brackets.

2,582,039
AUTOMATIC TUNING DEVICE FOR RADIO BROADCASTING RECEIVERS
Addis T. Jones, Bainbridge, Md.
Application July 21, 1948, Serial No. 39,857
14 Claims. (Cl. 250—20)



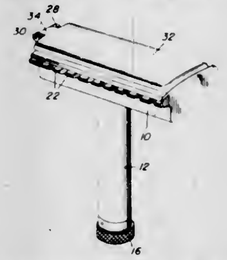
1. A time controlled apparatus for tuning a radio receiver to preselected wave lengths, comprising a rotatable member, a number of elements carried by said member for movement therewith in a circular path and pivotally supported thereon for swinging movement in a direction transversely to the said circular path, a plurality of reciprocable station selectors, each selector being movable to swing an element to a selected one of a number of locations in the said direction of movement, means for imparting a rotary movement to the rotatable member at determined timed intervals, and means by which each selectively located element effects the tuning of a circuit in the receiver to the preselected wave length when such element reaches a predetermined position in its circular path.

2,582,040
METHOD OF INSTALLING PROPELLER SHAFT STRUTS
Arthur E. Kammritz, East Hartford, Conn.
Application August 10, 1948, Serial No. 43,493
1 Claim. (Cl. 115—34)



The method of installing a propeller strut bracket and a bearing therefor, wherein the bearing includes a slot, the bottom of which is parallel to the longitudinal axis of the bearing which includes first installing a propeller shaft in a boat and in the desired functioning position and in angular relation to the bottom thereof, then marking a line on the strut bracket along said shaft as said bracket is held in position against the bottom of the boat, then drawing a line parallel to the said scribed line at a distance predetermined by the distance between the bottom of the slot and the inner face of the bearing from said first line and cutting the bracket on said second line to produce a straight edge, then slipping the bearing member over said shaft, positioning the bottom of the bearing slot against the straight edge of the bracket and rigidly securing said bearing to the bracket in straight-edge contacting relation.

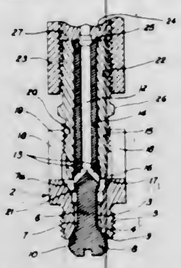
2,582,041
SAFETY RAZOR
Max Kaplan, Bronx, N. Y.
Application April 5, 1948, Serial No. 19,079
5 Claims. (Cl. 30—59)



1. A safety razor consisting of a head having a chamber therein and a tubular handle attached thereto, a razor blade guard detachably mounted upon said head and forming a closure for said chamber, a cap hinged to said head at one end for pivotal movement towards and from said head to releasably clamp a razor blade against said guard, actuating means in said chamber for causing pivotal movement of said cap, an operating

rod rotatably journaled in said handle and extending into said chamber, said operating rod being connected with said actuating means, locking means in said chamber responsive to a partial rotation of said control rod for fastening said cap in closed position upon said guard.

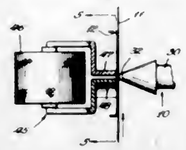
2,582,042
VALVE
William Joseph Kiene, Park Ridge, Ill., assignor to Dorothy S. Kiene, Park Ridge, Ill.
Application July 31, 1946, Serial No. 687,394
8 Claims. (Cl. 251—23)



1. A valve of the class described comprising a body member having an opening arranged therethrough axially thereof through which fluid is adapted to pass, a valve stem extending through the opening in said body member having a smaller diameter than that of said opening so as to provide an annular passageway therearound, a valve head arranged on the inner end of said valve stem, said body member having a seat arranged on the inner end thereof with which said valve head cooperates to close the valve, said valve stem having a passageway arranged therein axially thereof opening into the side wall thereof intermediate the length thereof and communicating with the annular passageway around said valve stem, a sleeve-like member secured to said valve stem, an annular seat arranged on the inner end of said sleeve-like member and disposed at a point adjacent the opening of said passageway in the side wall of said valve stem, a back seat carried by said body member with which said annular seat cooperates when the valve is fully open, common means for venting both the passageways in said valve stem and the annular passageway to the atmosphere when said valve is closed or partially open, means for moving said valve stem reciprocably relative to said body member so as to open the valve with the fluid adapted to pass from the inner end of said body member through the annular passageway and into and through the passageway in said sleeve-like member, and so that said annular seat carried by said valve stem seats on the back seat carried by said body member when said valve is fully open so as to close both of said passageways to the atmosphere.

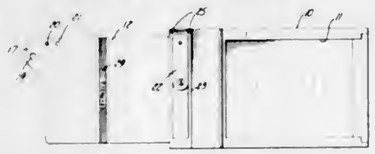
2,582,043
STYLUS FOR GRAPHIC RECORDING
Fred Krahulec, Skokie, Ill., assignor to A. C. Nielsen Company, Chicago, Ill., a corporation of Illinois
Original application March 27, 1947, Serial No. 737,529. Divided and this application June 10, 1948, Serial No. 32,240
3 Claims. (Cl. 346—140)

1. In a graphic recording apparatus of the type employing a movable record tape, a stylus for producing a trace on said tape comprising a barrel adapted to contain a non-flowable writing fluid, a ball of material capable of being attracted by a magnet rotatably mounted at one end of said barrel and adapted to rotate when said stylus is in engagement with said tape and relative move-



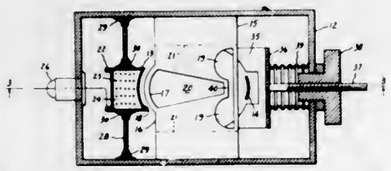
ment between said stylus and tape occurs, and an electromagnet having pole pieces disposed on the opposite side of said tape from said ball and adapted when energized to pull said stylus into trace producing engagement with said tape through magnetic attraction of said ball.

2,582,044
AUTOMATIC INDICATING MEANS FOR PHOTOGRAPHIC FILM HOLDERS
Yervant H. Kurkjian, Clifton, N. J.
Application June 16, 1949, Serial No. 99,518
1 Claim. (Cl. 95—71)



In combination with a negative holding frame having a negative receiving portion provided with an exposure opening, a negative shielding plate movable to a plurality of selected positions within the frame and over the exposure opening to close said opening, cooperative latching elements carried by the frame and plate to positively hold the plate in a selected closed position within the frame and over the exposure opening, said plate carrying a visual indicating means which is visible in the exposure opening of the frame when the plate is moved by an operator to one position immediately after exposing the negative, and a fixed covering shield carried by the frame transversely adjacent one end of the exposure opening under which said visual indicator is adapted to be moved to cover said indicator when the plate is moved by an operator to another selected position when placing an unexposed negative in the frame before exposure of the negative.

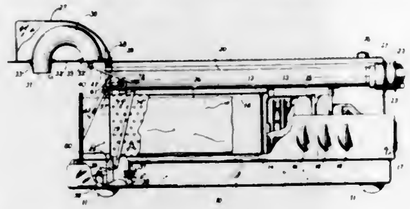
2,582,045
TUNABLE VELOCITY MODULATED ELECTRON DISCHARGE DEVICE
James M. Lafferty, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 4, 1947, Serial No. 720,250
12 Claims. (Cl. 315—5)



9. A tunable cavity resonator structure comprising a plurality of parallel spaced metallic

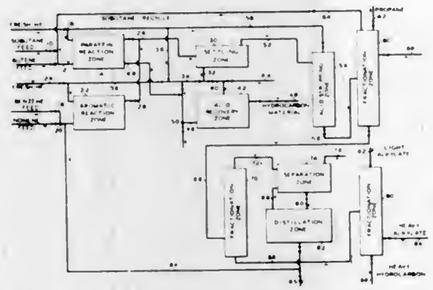
members having aligned openings defining a reentrant cavity resonator and means for controlling the resonant frequency of said resonator comprising a plurality of parallel members of non-conductive material adjustably positioned in the interstices between said first mentioned members.

2,582,046
SUCTION CLEANER WITH MEANS FOR AUTOMATICALLY REMOVING THE DUST CONTAINER
Robert C. Lampe, Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application April 19, 1947, Serial No. 742,581
13 Claims. (Cl. 183—37)



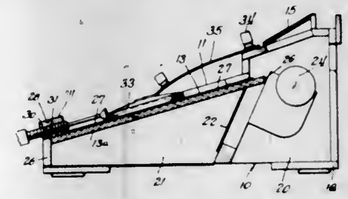
3. In a suction cleaner, a casing having an opening, a dust receptacle compartment formed in said casing adjacent to said opening, a dust receptacle insertable into and removable from said compartment through said opening, a member movable with respect to said casing for securing said receptacle in said compartment, structure movably mounted with respect to said casing and engageable with said receptacle for moving the latter outwardly through said opening, and means operable upon movement of said member to receptacle releasing position for first moving said structure in a direction to move said receptacle outwardly and for then retracting said structure.

2,582,047
COMBINATION ISOPARAFFIN-OLEFIN AND AROMATIC-OLEFIN ALKYLATION PROCESS
Henry H. Lee, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 19, 1947, Serial No. 792,699
7 Claims. (Cl. 260—671)



1. In a process wherein the concomitant catalytic alkylation of an alkylatable paraffinic hydrocarbon with an olefin, and an aromatic hydrocarbon with an olefin having at least three and not more than sixteen carbon atoms per molecule is carried out in a separate first and a separate second alkylation zone, respectively, and wherein said second alkylation zone is free of the alkylation product of said first zone and wherein the alkylation catalyst is selected from the group consisting of hydrogen fluoride, sulfuric acid and aluminum chloride, the improvement which comprises; combining the emulsified reaction effluent from said first alkylation zone directly with the emulsified reaction effluent from said second alkylation zone; separating the resulting admixture into a catalyst phase and a hydrocarbon phase in a catalyst settling zone; returning a portion of said catalyst phase to said second alkylation zone and returning a portion of said catalyst phase to said first alkylation zone; passing a portion of said catalyst phase to a catalyst recovery zone; returning a portion of said recovered catalyst to said first alkylation zone and a portion to said second alkylation zone.

2,582,048
SPECTACLE LENS LAYOUT DEVICE
John H. Line, Riverdale, Ill.
Application February 26, 1947, Serial No. 731,070
4 Claims. (Cl. 88—56)



1. A layout device for bifocal lens blanks comprising an opaque box having an opening in the top surface thereof, a screen of transparent material disposed in said opening, a source of light within said box disposed adjacent one edge of said screen, a second colored screen disposed within said box so that light from said source must pass through said screen before striking the bottom of said first mentioned screen, and a reflecting surface integral with said first mentioned screen for reflecting a portion of the light entering the edge of said first mentioned screen upwardly, said surface being disposed some distance from said edge of said screen and making an acute angle with respect to the surfaces of the screen.

2,582,049
MANUFACTURE OF CELLULOSE TRIACETATE
Carl J. Malm and Carlton L. Crane, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 3, 1950, Serial No. 166,058
9 Claims. (Cl. 260—227)

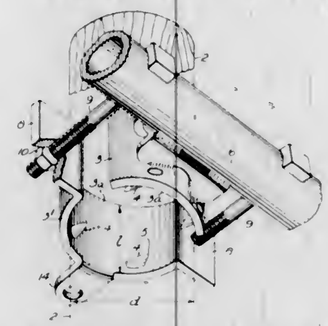
1. A method for preparing a stable cellulose acetate having an acetyl content of at least 44.3 percent which comprises acetylating cellulose with a mixture comprising acetic anhydride and sulfuric acid catalyst, neutralizing 60–90 per cent of the sulfuric acid in the mass with a neutralizing agent which forms sulfates insoluble in acetic acid, adding water to bring the mass to and not substantially beyond the glacial point while the mass is maintained at a temperature of at least 110° F., completely neutralizing the free sulfuric acid present while maintaining the elevated temperature by adding a neutralizing agent which forms sulfates insoluble in acetic acid, not more than 10 per cent excess of the neutralizing agent being employed, adding

1½–50 per cent (based on the liquid in the bath) of acetic anhydride and maintaining at 160–250° F. for a time within the range of 6–24 hours, sufficient to impart the desired acetyl, followed by separating the high acetyl cellulose acetate from the mass.

2,582,050
ATTACHING PARTS TO WOODEN POLES

Magnus William Manson, Johannesburg, Transvaal, Union of South Africa

Application September 7, 1946, Serial No. 695,471
In Union of South Africa September 14, 1945
1 Claim. (Cl. 287—54)

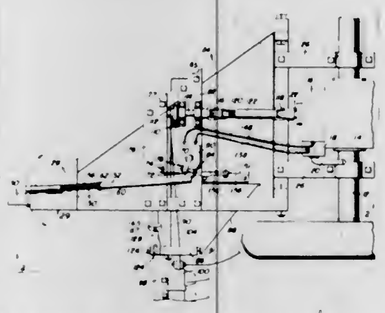


A device for attaching parts to wooden poles, comprising clamp elements adapted collectively to encircle the pole and make internal contact with a considerable circumferential extent of the substantially cylindrical surface of the pole, the internal contact surface of the clamp assembly having a definite cylindrical character in that its extent parallel to the axis of the clamp assembly and relatively to the diameter of the assembly is materially greater than that of the clamps at present in common use; pointed pins at the internal contacting surface adapted to penetrate the surface of the pole to a substantial depth; a cross arm rigidly attached to one element of the clamp assembly and having a hole at each side of the element, lateral ears on the opposite element of the assembly; and clamping bolts passed through the ears and through the holes in the cross arm.

2,582,051
MOWING MACHINE

Thomas P. McCloskey, Jr., Charleston, Mo.

Application July 15, 1949, Serial No. 104,954
9 Claims. (Cl. 56—25)

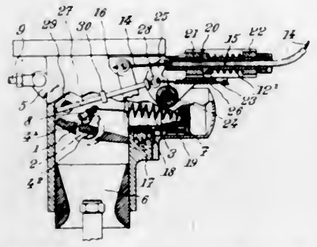


1. A mowing machine comprising a frame, a cutter bar mounted for vertical swinging movement on said frame, fluid pressure actuated means mounted on said frame and connected to said cutter bar for automatically raising said cutter bar when the direction of travel of the machine is changed by a predetermined amount.

2,582,052
SPEED LIMITING DEVICE

Marcel Louis Mennesson, Neuilly-sur-Seine, France, assignor to Societe Solex, Neuilly-sur-Seine, France, a society of France

Application September 28, 1945, Serial No. 619,099
In Luxemburg December 23, 1938
Section 1, Public Law 690, August 8, 1946
Patent expires December 23, 1958
7 Claims. (Cl. 137—139)

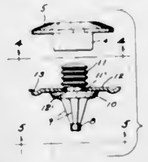


1. In a speed regulating device for an internal combustion engine having an induction pipe, an unbalanced throttle valve in said induction pipe mounted responsive to the suction of the engine acting in a direction tending to move said valve toward its closed position, elastic means for yieldingly opposing the action of suction on said valve, control means for actuating said throttle valve, said valve being connected with a given play with said control means, and means operatively connected with said control means for exerting a supplementary opening action on said valve in response to displacements of said control means in the valve opening direction beyond the position of said control means nearest the valve closing position which permits the maximum opening of said valve under the effects of the opposed actions of said elastic means and said suction, and spring means resisting movement of such control means in valve opening direction during such displacements only.

2,582,053
SHOE SPIKE

Alfred G. Merlin, Cleveland, Ohio

Application December 2, 1949, Serial No. 130,643
1 Claim. (Cl. 36—59)

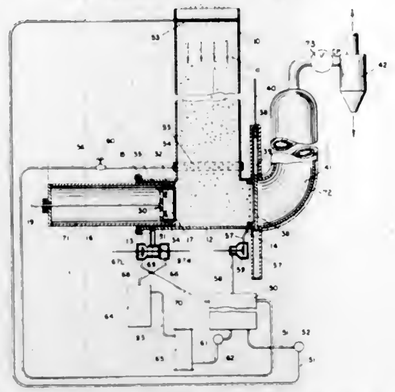


An integral metal shoe spike having a threaded shoe-engaging stem and an oppositely disposed cone-shaped stud, said stud having a plurality of spaced exterior lengthwise-extending splines, the latter having downwardly-converging side walls, the downward projection of said splines being inwardly toward the longitudinal axis of the stud, said stud further having downwardly-converging recesses intermediate said splines, said spike having an enlarged flange intermediate the stem and stud, the upper ends of the splines merging into said enlarged flange.

2,582,054
PULPING PROCESS

Jacques Bernard Marie Michon, Paris, France, assignor to La Cellulose Du Pin, Paris, France

Application September 12, 1946, Serial No. 696,603
In France September 15, 1945
4 Claims. (Cl. 92—13)



1. The method of making cellulosic pulp that comprises impregnating natural ligno-cellulosic material with hot alkaline digesting liquor, immersing the material quickly in a large quantity of preheated alkaline digesting liquor under pressure at a temperature circa 170–180° C., digesting the material in said liquor, draining off the liquid from the digested mass, and cooking the mass by its absorbed liquor.

2,582,055
IMPROVED METHOD FOR POLYMERIZING VINYL ACETATE IN TERTIARY BUTYL ALCOHOL

Louis M. Minsk and Erle W. Taylor, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

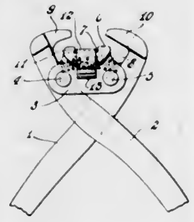
No Drawing. Application April 28, 1948, Serial No. 23,875
12 Claims. (Cl. 260—89.1)

1. A process for preparing polyvinyl acetate of high molecular weight which consists in heating a solution of vinyl acetate in tertiary butyl alcohol in the presence of a peroxide polymerization catalyst.

2,582,056
PLIERS FOR BENDING CONNECTING CLIPS ABOUT WIRE MEMBERS

George W. Mount, Greenfield, Mass.

Application June 6, 1949, Serial No. 97,334
1 Claim. (Cl. 81—15)

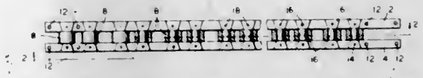


A pair of pliers for bending clips about wire members which comprises a saddle member, a pair of plier members pivoted to said saddle member for movement toward each other, said plier members being provided with interfitting jaws, a groove formed in the saddle member for receiving a clip having upstanding sides engageable by the jaws, shoulders formed on the saddle member at the ends of the groove, a flat spacing member positioned in said groove, and a flat spring member having inwardly turned end portions engaging the end faces of the saddle member below said shoulder for releasably retaining the spacer and the intermediate portion of the spring in said groove, the combined thickness of said spacer and spring being slightly less than the depth of the groove.

2,582,057
ROLLER CHAIN

Homer L. Mueller, Cleveland, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio

Application January 2, 1948, Serial No. 92
4 Claims. (Cl. 74—245)

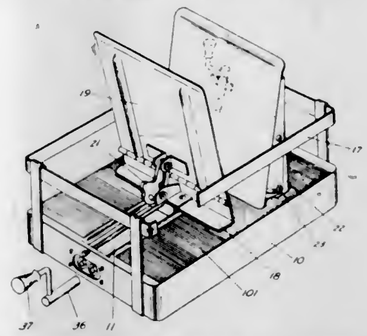


1. A flexible roller chain comprising a pair of flexible edgewise adjacent tape-like strips, a plurality of spaced cross-links uniting said strips in parallel spaced relationship, said cross-links being formed with cylindrical bearing portions extending between said strips, and tubular cylindrical rollers journalled on the bearing portions of said cross-links, said strips and cross-links where joined together being thinner than such bearing portions whereby to facilitate flexing of said strips, the opposite ends of said cross-links being flattened to a thickness corresponding generally with the thickness of said strips and secured in overlapped relation on one side of said strips.

2,582,058
TRAY BINDER

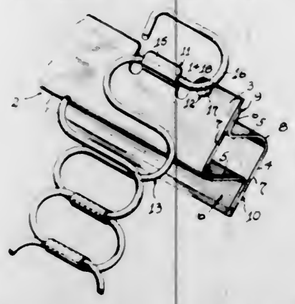
Orvie E. Nabholz, Shellsburg, Iowa, assignor to Le Febure Corporation, Cedar Rapids, Iowa, a corporation of Iowa

Application July 1, 1949, Serial No. 102,587
4 Claims. (Cl. 129—16)



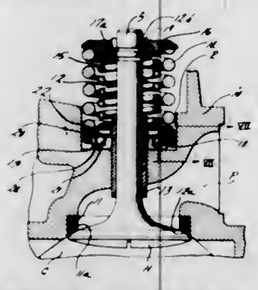
1. In a tray binder, a base, a pair of feed screws mounted for rotation in the base and extending in parallel relation from front to rear of the base, a compressor plate and follower block threadedly engaged on one feed screw and another compressor plate and follower block having threaded engagement on the other feed screw, gear means for driving one feed screw from the other, and means for optionally disengaging the said gear means whereby the said feed screws may be selectively driven.

2,582,059
TUBULAR RAIL MEMBER
William H. Neely, Cleveland, Ohio, assignor to The Universal Wire Spring Company, Cleveland, Ohio, a corporation of Ohio
Application September 21, 1949, Serial No. 116,999
9 Claims. (Cl. 155—179)



6. A rail member for supporting sinuously corrugated wire springs comprising two elongated metal strips of Z-shaped cross section assembled to form a tubular body having flanges extended therefrom in opposite directions, hook-shaped supporting means in one of said flanges adapted to seat a loop-connecting cross member of a sinuously corrugated wire spring, and a pair of spaced locating and holding means on said one flange arranged to engage opposite sides of the wire of a wire loop of such sinuously corrugated wire spring and hold such loop to prevent lateral shifting of the spring.

2,582,060
VALVE ROTATING DEVICE
John A. Newton, Painesville, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 29, 1947, Serial No. 776,637
9 Claims. (Cl. 123—90)



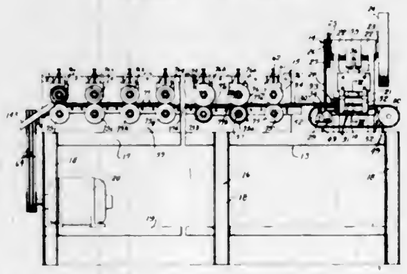
1. A reversible valve rotating device to rotatably drive a spring loaded poppet valve in response to increased loads resulting each time the valve is lifted off of its seat comprising a first part and a second part, said first part adapted to be connected to said poppet valve for corotation therewith, said second part adapted to be held against rotation, a deflectable spring member to normally engage both of said parts, said second part having inclined raceways circumferentially disposed therein, each of said raceways having a relatively deep central portion and inclined portions extending symmetrically therefrom, a shiftable element arranged to ride on one of said inclined portions of each of said raceways, and spring means acting on said shiftable elements to urge the shiftable elements in one direction against the deflectable spring member, said deflectable spring member arranged to transfer the normal valve spring load from said second part to said first part, said deflectable spring member being bowed under increased load whereupon the shiftable elements will transfer the increased load between said first and second part and said shiftable elements will be forced into the deeper parts of the inclined raceways to rotatably drive said first part and said valve, said spring means and said shiftable elements being reversibly disposable to said raceways and operable in the other direction to reverse the operation of said device.

2,582,061
DOLL CRADLE
Clayton J. Niebuhr, Dearborn, Mich.
Application June 21, 1948, Serial No. 34,330
1 Claim. (Cl. 5—105)



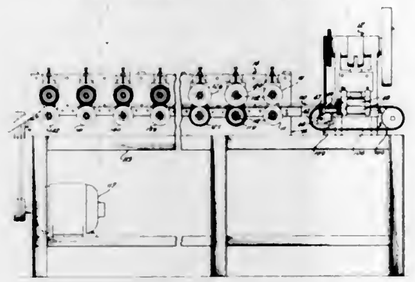
A doll cradle comprising end boards having curved rocker bottoms and arcuate shaped slots in the end boards inwardly of the rocker bottom, a base of arcuate formation having the ends thereof receivable in the arcuate slots in the end boards, a pair of connecting bars having longitudinally extending slots therein, carried by the end boards at points slightly above the upper ends of the rocker bottom and the slots in said bars receiving the longitudinally extending edges of the bottom, a second pair of bars carried by the end boards and positioned under the bottom to support the bottom in position and the ends of the bars extending through said end boards and means receivable on the ends of the bars to secure the bars in position.

2,582,062
MACHINE FOR MAKING SPRING DOWEL PINS
Howard Peters, Des Plaines, and Edward J. Haedike, Chicago, Ill., assignors, by mesne assignments, to Elastic Stop Nut Corporation of America, Union, N. J., a corporation of New Jersey
Application July 30, 1948, Serial No. 41,633
8 Claims. (Cl. 153—2)



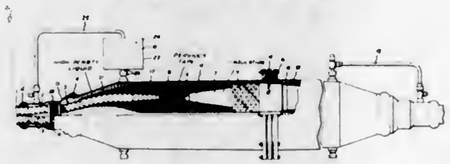
3. A machine for forming tubular pins from metal slugs which comprises a plurality of spaced pairs of forming rolls defining successive slug deforming nips for successively acting on the slugs, said successive nips being spaced apart a distance greater than the length of the longest slug acted upon so that no one slug can be simultaneously engaged in more than one nip, means guiding the slugs to successive nips, and means driving the successive pairs of rolls at successively increased speeds to automatically advance the slugs through the nips and between the successive nips without jamming the slugs.

2,582,063
METHOD OF MAKING SHORT PINS
Arthur Frank Zitzewitz, Chicago, Ill., assignor, by mesne assignments, to Elastic Stop Nut Corporation of America, Union, N. J., a corporation of New Jersey
Application April 6, 1949, Serial No. 85,792
10 Claims. (Cl. 29—156)



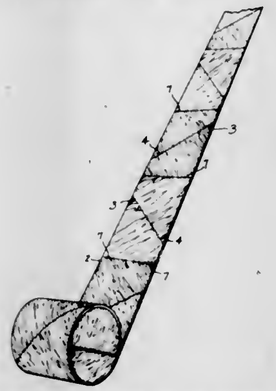
8. In a method of forming short tubular metal pins from continuous strip stock by shearing the strip stock into blanks of predetermined length and subjecting the blanks to a succession of spaced forming operations which are separated by distances greater than the lengths of the blanks, the improvement comprising grooving strip stock along the direction of its grain to a sufficient depth that will cause breakage when the stock is bent into tubular form, shearing the stock transversely to form grooved blanks, successively deforming the blanks into tubular shape, and allowing the blanks to break at the grooves thereof into separate pins only after the blanks are appreciably deformed.

2,582,064
STOP JOINT FOR CABLES
Lester L. Phillips, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 31, 1948, Serial No. 18,101
1 Claim. (Cl. 174—22)



A stop joint for the interconnection of a liquid filled cable section with a gas filled cable section, comprising sheathed cable sections one of which contains a separately insulated conductor and oil under a given pressure while the other contains a separately insulated conductor and gas under a higher pressure, a connector electrically connecting said conductor in said oil-filled section with the conductor in said gas filled section, a casing surrounding and spaced from said connector, the ends of said casing being respectively united fluid tight to the sheaths of said cable sections, transverse partitioning means to sealingly partition the space within said casing into two compartments, one of said compartments containing the same liquid and being in communication with and under the same pressure as the liquid filled cable section, the other of said compartments being in communication with and under the same pressure as the gas filled cable section, said connector covered with insulation pervious to the gas in said gas filled section and extending longitudinally through an opening in said transverse partition, the joint between said opening and said insulation being sufficiently tight to prevent the passage of fluid therebetween, bodies of gas and oil pervious insulating tape applied over the ends of said connector and the conductors united thereby and their insulations, a semi-stop mounted transversely at the gas filled cable end of said casing with said insulated conductor of the gas filled cable section extending therethrough, a second liquid different from said liquid contained in said liquid filled cable section completely filling said casing on the gas filled cable side of said partition, said second liquid having a density greater than the gas in said gas filled cable section and having sufficient viscosity to prevent passage through said semi-stop, a reservoir partially filled with said second liquid mounted above said casing and connected thereto at the uppermost surface thereof to permit volumetric changes of said second liquid and maintain complete filling of said casing therewith and a fluid line connecting the space above said second liquid in said reservoir with said gas filled cable section.

2,582,065
METHOD OF CONSTRUCTING CYLINDRICAL CONTAINERS
Orval Rasor, Portland, Oreg.
Application May 18, 1948, Serial No. 27,735
7 Claims. (Cl. 144—309)



1. The method of making tubings comprising, cutting sheets of wood veneer obliquely across the width thereof at predetermined intervals along its length to form sections of rhomboid shape having a perpendicular width between longitudinal sides equal to the length of said tubing, cutting the rhomboid sections through said perpendicular width, forming rectangular sections having the grain disposed obliquely to the sides of said sections by rearranging the pieces cut from said rhomboid, arranging and uniting said rectangular sections in abutting relationship along the edges representing the

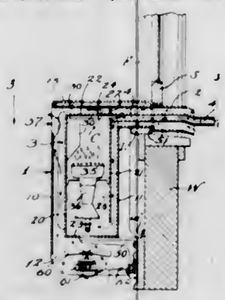
longitudinal dimensions of said tubing with the grain in adjacent sections being disposed crosswise of each other, and wrapping the strip of united rectangular sections circumferentially to form tubing.

2,582,066

WALL-MOUNTED COMBUSTION SPACE HEATER WITH WINDOW-ACCOMMODATED AIR DUCT AND FLUE

Marc Resek, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application January 24, 1947, Serial No. 723,926
13 Claims. (Cl. 126—110)



1. A space heater for installation on the inner side of a building wall below a window, said heater comprising a housing including top, front and rear walls, and end walls that are joined to the lateral edges of the former walls, a duct extending rearwardly from the top of the housing and opening into the housing through said rear wall, an interior structure including front, rear and top walls that are spaced from the corresponding walls of the housing, a bottom wall for the interior structure extending from the lower end of the front wall thereof to the bottom of the rear wall of the housing, a passage being provided between the rear walls of said structure and housing that communicates at its upper end with the aforesaid duct, a partition shutting off communication of said duct with the space between the top walls of said structure and housing, the rear wall of the structure being formed to provide communication between the bottom portion of said passage and the corresponding portion of the interior of the housing, end walls for the structure that depend from the top wall thereof and terminate at a point intermediate the top and bottom walls of the structure where they are deflected outwardly and join the end walls of the housing, the end walls of the housing having air admitting openings that lead into the lower portions of passageways between the end walls of the structure and housing, the aforesaid partition including depending portions that separate said passageways from the previously mentioned passage, a combustion device within the interior structure, and a flue leading from the top portion of said interior structure.

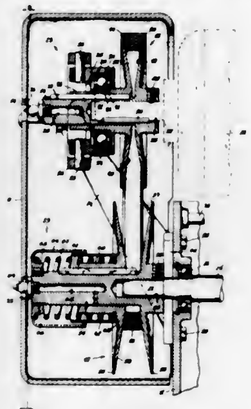
2,582,067

SPEED-VARYING POWER TRANSMISSION ASSEMBLY

Paul B. Reeves, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana

Application December 31, 1949, Serial No. 136,201
9 Claims. (Cl. 74—230.17)

3. A variable-speed power transmitting unit comprising a base, a shaft journalled in said base, a coned disc fixed on said shaft with its coned face presented away from said base, a mating coned disc supported from said shaft for axial reciprocation relative thereto with its coned face presented toward the coned face of said first-named disc, spring means operatively associated with said discs and continuously resisting movement of said second-named disc away from said first-named disc, hanger means supported from said base and projecting to a point axially beyond the outermost position of said second-named disc and radially spaced from the axis thereof, trunnion means supported by said hanger means at such point, an element supported on said trunnion means for oscillation about an axis perpendicular to a plane including the axis of said shaft, a member supported from said element for oscillation about an axis perpendicular to said trunnion axis, a thrust bearing fixedly carried by said member, a third coned disc axially-fixedly supported from said bearing with its coned face presented toward said base, a fourth coned disc having a hub coaxially telescopically associated with said third coned disc for axial movement relative thereto with its coned face presented toward the coned face of said third disc, and an edge-active belt providing a driving connection between the first and second discs and the third and fourth discs.



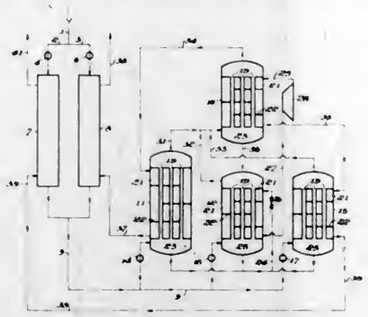
2,582,068

METHOD AND APPARATUS FOR SEPARATING GASES

Irving Roberts, Greensburg, Pa., assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania

Application December 30, 1948, Serial No. 68,324
11 Claims. (Cl. 62—123)

1. A method of separating the constituents of a gaseous mixture that is initially at a high pressure and of recovering the more volatile constituent in a greatly enriched state at substantially that initial pressure, that includes the following steps: initially cooling the mixture to about its dew point, dividing the initially cooled mixture into three portions, preliminarily rectifying each portion of the mixture of dephlegmation to liquefy most of its less volatile constituent and thereby separate most of that constituent from the more volatile constituent, further rectifying by dephlegmation the more volatile constituent separated in the preliminary rectification of all three portions of the mixture to liquefy and separate more of the less volatile constituent and thereby increase the purity of the more volatile constituent, throttling liquefied constituent resulting from both of said rectifications to an intermediate pressure to lower its temperature, utilizing the throttled liquid as a cooling agent in the preliminary rectification of the first portion of the mixture and thereby vaporize the liquid, expanding the resulting vapor to substantially atmospheric pressure with the performance of external work to recool it to a lower temperature than before, successively utilizing the expanded



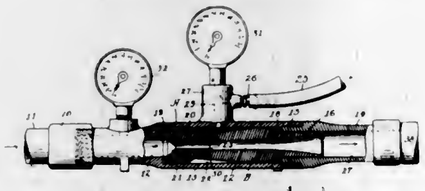
vapor as a cooling agent in said further rectification and then as the cooling agent in the preliminary rectification of the second portion of the mixture, utilizing the more volatile constituent resulting from said further rectification as a cooling agent in the preliminary rectification of the third portion of the mixture, and finally utilizing the more volatile constituent and the expanded vapor after both have been utilized as said cooling agents to effect said initial cooling of the mixture.

2,582,069

JET PUMP

Leigh L. Rose, Los Angeles, Calif.

Application August 21, 1945, Serial No. 611,857
1 Claim. (Cl. 103—262)



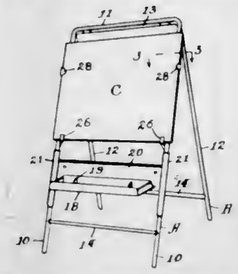
Jet pump means, comprising, a tubular casing having an inlet passage for a stream of water under pressure and a coupling removably connected to said casing and having a delivery passage, said casing and coupling forming a chamber therein, a filler removably held in said chamber by said coupling, said filler having an inlet duct connected with said inlet passage, forwardly expanding duct means connected by an abruptly enlarged junction with the orifice of said inlet duct, an annular space between the inner wall of said casing and the outer wall of said filler, a plurality of forwardly converging channels connecting said annular space with said expanding duct adjacent to said orifice, and a feed passage for fluid entering said annular space, said filler being removable from within said casing by the separation of said casing and coupling, whereby a complete set of mixing channels and ducts of different proportions may be substituted in said casing.

2,582,070

EASEL

Louis T. Safer, Los Angeles, Calif.

Application August 21, 1950, Serial No. 180,527
2 Claims. (Cl. 45—129)



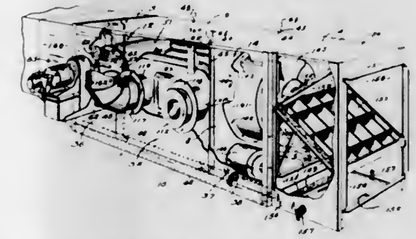
1. An easel having front and back supporting frames foldably secured together at their upper end portions and said front section having upwardly extended side arms, a horizontal service tray support slidably connected at selectable elevation on said side arms, a pair of upwardly extended spring arms secured by their lower end portions to the horizontal end portions of said service tray support and having upper off-set steps projecting forwardly in front of said side arms, pins on said spring arms by which said side arms are engaged at selected elevation, and a work board engaged by its lower edge on said steps and holding said spring arms with their pins engaged with portions of said service tray support at selected elevation on said front supporting frame.

2,582,071

SUSPENDED AIR-HEATING FURNACE

Wilbur A. Schultz, Lakewood, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application March 11, 1947, Serial No. 733,884
8 Claims. (Cl. 126—116)



1. In a furnace construction, an elongated rectangular casing including top and bottom walls, an invertible combustion chamber-radiator unit supported within the casing, the corresponding sides of the combustion chamber and radiator having, respectively, provisions for the accommodation of a burner and a flue connection, and closure means interchangeable between the two sides of the casing, said means for one side having openings for the burner and flue connection.

2,582,072

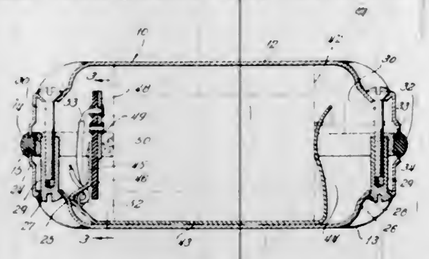
BATTERY CASE

Frank W. Schwinn, Chicago, Ill.

Application May 1, 1948, Serial No. 24,561
2 Claims. (Cl. 136—173)

1. A battery case comprising, in combination, two drawn sheet metal halves each presenting

coplanar edges adapted to assembly in opposed and symmetrical relationship with reference to a central longitudinal plane, each of said halves being substantially symmetrical with respect to central planes extending longitudinally and laterally thereof, said halves also having formed recess portions at their opposite ends with apertures therein for receiving securing means by which said halves are secured together, said formed recess portions being contoured of sufficient size to impart substantial rigidity to end portions of the halves, an endless gasket of waterproof material having opposed grooves for receiving said coplanar edges in their opposed and assembled relationship, similar and outwardly projecting clamp brackets secured in opposed and longitudinally spaced relationship adjacent longitudinal portions of said edges on one side of the case, and battery holding and contacting elements mounted in one of the halves.

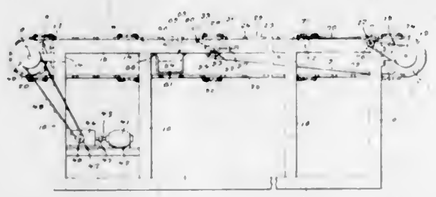


2,582,073
PHOTOELECTRIC PLOTTING DENSITOMETER
Stanley L. Scudder, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 8, 1948, Serial No. 1,163
14 Claims. (Cl. 346—33)



3. An automatic plotting densitometer for measuring the color density of successive points along a sensitometer strip of color film and plotting the values against the log E of the strip at these points and comprising a light-sensitive cell; means for directing a beam of light onto said cell; means for moving said sensitometer strip continuously at a known rate across said light beam and in front of said cell; a filter holder including a plurality of color filters each being substantially complementary in color to a different one of the colors in the film strip to be measured, means for indexing said filter holder to move different ones of said color filters into said light beam in front of the cell; means for varying the intensity of the light beam, and movable from an initial position for a density measurement of each color; means responsive to a deviation of the cell output from a given value for adjusting said last-mentioned means until the output of said cell returns to said given value, whereby the adjusted position of said intensity varying means is an indication of the density of the point of the strip in the light beam; means for supporting and moving a chart having its coordinates marked in values of density and log E, at a speed and in a direction such that the log E coordinate moves past a given plane which is parallel to the density coordinate commensurate with the movement of the sensitometer strip across the light beam; a stylus engageable with said chart and mounted on a support to move in a plane parallel to said above-mentioned plane; said stylus including a plurality of points corresponding in number and color to said color filters and being indexably mounted on its support so that different ones of its points can be moved into position to engage said chart; means for automatically momentarily stopping said chart and sensitometer film strip when the full length of the strip has been moved through said beam and returning each of them to their initial position; means for returning said intensity varying means to its initial position while the sensitometer strip is stopped; and means for automatically indexing said filter holder to bring another color filter into the light beam and again starting movement of the sensitometer strip and chart; and means for indexing said stylus at the time the filter holder is indexed so that the stylus point engageable with the chart will make a trace corresponding in color to the filter in the light beam.

2,582,074
CANDY FORMING AND DISPENSING MACHINE
Walter A. Sebring, Tyler, Tex.
Application August 23, 1948, Serial No. 45,613
6 Claims. (Cl. 107—8)

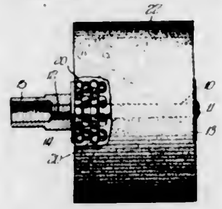


1. In a confectionery machine, a plurality of pairs of separable mold sections positioned with the mold sections of each pair spaced apart and mounted to move along a circuitous pathway, said mold sections being provided with recesses in their adjacent faces forming mold cavities, the trailing mold section of each pair having projections at the ends thereof, a flexible apron mounted beneath said mold sections to form a bottom wall for said mold cavities, a yieldingly mounted detent in the path of said mold sections positioned to engage the projections of the trailing mold section of each pair to move the same away from the other section of said pair as said sections reach a predetermined location along said pathway to facilitate discharge of the confectionery deposited in said mold cavities, means along said pathway spaced from said yieldingly mounted detent for moving said mold sections together prior to refilling.

2,582,075
PROCESS FOR REMOVING NICOTINE FROM TOBACCO
Mentore Severi, Buenos Aires, Argentina
No Drawing. Application September 14, 1948, Serial No. 49,297. In Argentina September 18, 1947
5 Claims. (Cl. 131—143)

1. A process for removing nicotine from tobacco comprising the steps of treating the tobacco with boiled water while periodically renewing such water until the tobacco has been sufficiently softened and disposed for ready release of nicotine, thereupon subjecting the tobacco to the action of an infusion of tea in boiled water, washing the thus treated tobacco with boiled water by immediately immersing the thus treated tobacco in boiled water and repeatedly renewing the water, thereupon treating the tobacco with a fresh infusion of tea in boiled water, immediately immersing the tobacco in boiled water, periodically renewing the boiled water, removing the tobacco from the water and drying the tobacco.

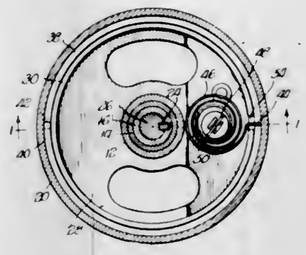
2,582,076
SECTIONAL BUFFING WHEEL
William F. Sheppard, Chicago, Ill.
Application October 7, 1949, Serial No. 120,157
2 Claims. (Cl. 51—193)



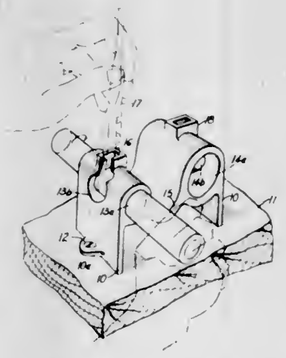
1. In a buffing wheel, the combination with a central shaft, of a plurality of sections of substantially similar construction mounted on the shaft and held by axial pressure applied by members at the respective ends of the shaft and between which the sections are confined, each section comprising a disc, a plurality of fingers stamped from each disc, being disposed around the periphery thereof and having a substantially keystone shape in plan, each finger when bent having a spiral formation to retain a tuft of stranded material, said bent fingers alternating on respective sides of each disc, whereby the sections interlock when assembled by each finger being disposed between two fingers on an adjacent disc, and whereby said axial pressure directed against the spirally bent fingers increases the holding pressure of the fingers in retaining its tuft of stranded material.

2,582,077
SPRING TYPE CLUTCH
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application October 27, 1948, Serial No. 56,846
12 Claims. (Cl. 192—56)

1. A friction clutch comprising a driving member and a driven member, and means providing for the transmittal of a constant torque in a predetermined amount from said driving to said driven member and permitting slippage between said members when the torque exceeds said amount, said means including a coil spring clutch element carried by one of said members and frictionally engaging the other of said members, means providing a connection between said one of said members and one end of said clutch element, a spiral spring connected at one end to said one of said members and having its other end operatively connected at the other end of said clutch element for applying a force to move said clutch element into frictional engagement with the other of said members, and means for adjusting the connection between said spiral spring and said one of said members for varying the force applied by said spiral spring to said clutch element.



2,582,078
GLASS CUTTING APPARATUS
Thorsten Solum and Herbert C. Franson, Norwalk, Conn.
Application January 30, 1951, Serial No. 208,505
2 Claims. (Cl. 49—48)



2. A device for use in cutting glass tubing, which comprises a support, a holder carried by the support and having an open-ended horizontal passage of circular cross-section and a sight opening leading into the side of the passage, a boss on the holder above the passage, the boss having an open-ended vertical passage of non-circular cross-section leading to the horizontal passage, the vertical passage having one wall lying close to a vertical plane through the axis of the horizontal passage, and a cutting tool having a shank receivable in the vertical passage and a cutting element at the inner end of the shank.

2,582,079

COMPOSITION FOR ADDITION TO CAST IRON OR STEEL

Jerome Strauss, New York, N. Y., and Daniel Leonard Edlund, Bethel, Pa., assignors to Vanadium Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application September 7, 1950, Serial No. 183,662
5 Claims. (Cl. 75—123)

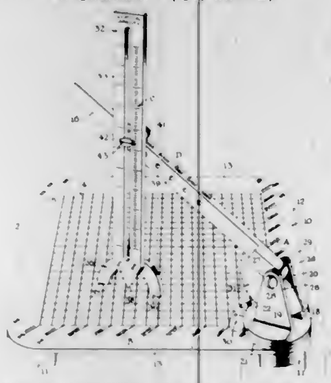
1. A composition of matter for addition to iron or steel, said composition comprising about 5 to 25% magnesium, about 20 to 45% silicon and about 2 to 12% manganese, the balance being substantially all iron, the iron being in an amount between about 20 and 60%.

2,582,080

SPACE VECTOR ANALYZER

Michael Stroukoff, Lawrenceville, and James E. Bartfield, Trenton, N. J., assignors to Chase Aircraft Company, Inc., West Trenton, N. J., a corporation of New York

Application February 7, 1950, Serial No. 142,766
4 Claims. (Cl. 33—1)



1. A direct reading instrument for determining the components of a space vector, comprising a base provided with a flat top surface, a pivoted straight edge member mounted on said base and adapted to pivot about intersecting axes which are respectively parallel and perpendicular to said top surface, and a straight edge bar adjustably mounted on said pivoted member, said member and said bar being movable over said top surface and said bar remaining perpendicular to said top surface during said movement but being otherwise unconstrained in its movement; the said top surface being provided on two adjacent sides thereof with a series of graduations having a common zero point which coincides with the said perpendicular pivotal axis of the pivoted member, said series of graduations being along lines at right angles to each other, and the pivoted member carrying a series of graduation marks and being provided with means for guiding the movement of the bar.

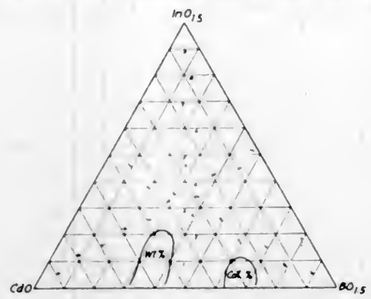
2,582,081

NEUTRON-ABSORBING BORATE GLASS

Kuan-Han Sun, Pittsburgh, Pa., and Thomas E. Callear, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 11, 1950, Serial No. 178,896
4 Claims. (Cl. 106—47)

1. A neutron-absorbing, optical, borate glass of the system $CdO—InO_{1.5}—BO_{1.5}$ containing by weight as essential ingredients: cadmium oxide, 45 to 69 per cent; indium oxide, 2 to 21 per cent;



boron oxide, 28 to 42 per cent the three said oxides totaling at least 75 per cent by weight.

2,582,082

FLATIRON HAVING A RETRACTABLE SUPPORT

Alfred G. Swenson, Ontario, Calif., assignor to General Electric Company, a corporation of New York

Application October 31, 1947, Serial No. 783,253
1 Claim. (Cl. 38—79)



A flatiron comprising an ironing body including a soleplate having a pressing surface operable in a normal substantially horizontal position on an ironing work surface, the soleplate at its rear end being provided with two longitudinally extending slots which extend along the side edges of the soleplate, studs on the soleplate, one adjacent to the inner end of each slot, each stud having a flat surface at a slot edge and at right angles to the plane of the pressing surface, supporting legs pivoted on said flat surfaces adapted to move through said slots between a flatiron supporting position outside the flatiron and a non-supporting position within the confines of the ironing body, the inner ends of said supporting legs beyond their pivots being shaped to provide U-shaped ends, a bracket carried by the soleplate having spaced upstanding ears on which the inner arms of said U-shaped ends are pivoted, a pivot pin connecting said arms at points to the rear of their pivot connections to said ears and so located that the pivot pin moves from a position above said pivot connections to a position below such pivot connections when said supporting legs are moved from non-supporting position to supporting position, a bracket fixed at the rear end of the soleplate, an operating trigger pivoted on said bracket and provided at its inner end with a lengthwise elongated slot through which said pin extends to provide a lost motion connection between the operating trigger and the pin, the outer end of said operating trigger projecting outwardly and downwardly with respect to the plane of the soleplate to a position such that its end may engage an ironing surface when the flatiron is tilted rearwardly, and an overcenter spring fastened at one end to the soleplate and at the other end to said pin which when the supporting legs are moved between non-supporting and supporting positions moves from one side of dead center to the other whereby it serves to hold

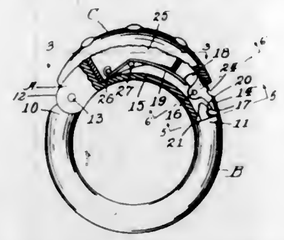
the supporting legs in either of their two positions, said elongated slots serving to permit lengthwise movement of said pin and trigger with respect to each other when the supporting legs are moved between non-supporting and supporting positions.

2,582,083

RING

Christopher C. Tarter and Hyman S. Licht, Los Angeles, Calif., assignors of thirty per cent to Robert M. Kaufman, Los Angeles, Calif.

Application December 27, 1946, Serial No. 718,758
1 Claim. (Cl. 63—16)



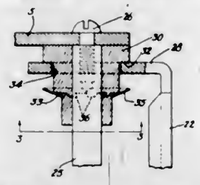
A finger ring having an arcuate body section, an arcuate front section, said sections having abutting ends forming a circular band and having a lap joint and hinge connection between a pair of the adjacent end portions thereof, said front section having a longitudinal chamber in its body opening outwardly, a catch on the free end of said body section projecting longitudinally into said chamber, a display member closed on the perimeter of said arcuate front section over said chamber, a latch tiltingly mounted in the outer end portion of said chamber with its free end portion adapted to engage said catch and lock said sections when closed together, a frame unit nested longitudinally in and conforming with the walls of said chamber, and a loop spring mounted on said frame and having an end held under tension by said frame in engagement pressing against the latch and cause the latter to releasably engage said latch when said ring sections are closed, said latch having a portion exposed on the surface of said front section by which it can be actuated to release and permit the front section and said display member swinging outwardly on said hinge connection.

2,582,084

GUIDE BEARING AND SHAFT

Robert J. Terrey, Allentown, Pa., assignor to General Electric Company, a corporation of New York

Application June 10, 1950, Serial No. 167,462
5 Claims. (Cl. 308—4)



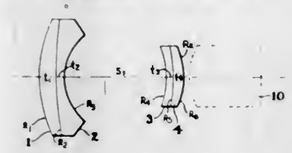
1. An anti-friction mounting for two relatively movable parts comprising a carbon bushing secured to one of said parts, said bushing having an aperture therethrough, a shaft of aluminum affixed to said other part, said shaft extending through the aperture in said bushing.

2,582,085

WIDE-ANGLE LENS ATTACHMENT WITH FRONT ELEMENT OF HIGH INDEX GLASS

Karl Tolle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 1, 1950, Serial No. 182,699
5 Claims. (Cl. 88—57)



1. A wide-angle attachment for use on the front of a photographic objective comprising a meniscus negative member axially aligned witn and approximately afocally spaced in front of a positive member which is meniscus in outward form and concave toward the front, in which the negative member consists of a front positive element and a negative element cemented to the rear thereof, in which the refractive index of the positive element is between 1.75 and 2.0 and the refractive index of the negative element is less than that of the positive element by between 0.23 and 0.50, and in which the radii of curvature R_1, R_2, R_3 of the three optical surfaces of the negative member in order from front to rear are such that $(6M—F_{II}/R_1)$ is between zero and +1.8, $(8M—F_{II}/R_2)$ is between 4.8 and 6.4, and $(3M—F_{II}/R_3)$ is between —5.0 and —7.2, wherein F_{II} is the focal length of the positive member, M is the magnification of the attachment and is between 0.45 and 0.9 and where a radius of curvature has a positive value when the surface is convex to the front and a negative value when the surface is concave to the front.

2,582,086

COMPOSITION FOR CARROTING FUR AND THE LIKE

Harold H. Tucker, Scarsdale, N. Y., and Raymond J. Trimpert, Newtown, Conn., assignors to The Frank H. Lee Company, Danbury, Conn.

No Drawing. Application December 23, 1949, Serial No. 134,860
5 Claims. (Cl. 8—112)

1. As a composition of matter for the carroting of fur or the like, an aqueous carroting solution containing a non-hydrolyzing oxidizing agent, a volatile hydrolyzing acid, and an acid of the group consisting of phosphotungstic acid and phosphomolybdic acid as a catalyst, said solution having the proportions of 1.0–4.5% by weight said hydrolyzing acid, 3–5% by weight said oxidizing agent, and 0.1–0.4% by weight of said latter acid or acids.

2,582,087

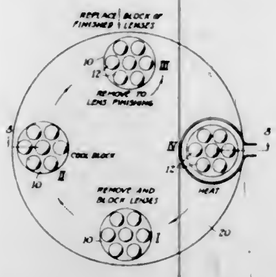
METHOD OF BLOCKING AND UNBLOCKING LENS BLANKS FOR SURFACING OPERATIONS

John R. Turner and Rudolph W. Elliott, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 8, 1948, Serial No. 64,128
6 Claims. (Cl. 51—284)

1. In the method of unblocking a lens blank from a lens seat in a metal blocking tool in which it has been held by a thermoplastic blocking pitch for a surfacing operation, the steps of heating

the lens block substantially to the melting temperature of the blocking pitch while maintaining the lens blank below this temperature, and then removing the lens blank from the lens seat while



this condition of relative temperature exists, whereby the pitch will strip from the block with the lens blank leaving an insignificant residue on the block.

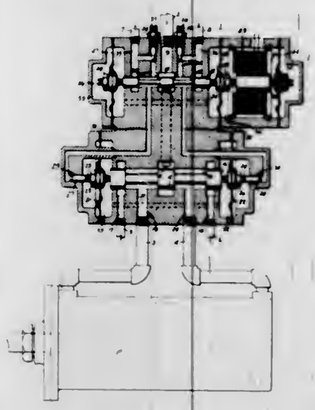
2,582,088

TWO-STAGE HYDRAULIC AMPLIFIER

Earle R. Walthers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 1, 1947, Serial No. 783,516

9 Claims. (Cl. 121—46.5)



1. Hydraulic control apparatus comprising a source of fluid pressure, a pair of fluid conduits, a pilot valve member connected between said conduits and said source for simultaneously varying the rate of flow of fluid from said source to each of said conduits, said pilot valve member including a center land for varying an inlet opening and two end lands for varying two discharge openings, the end land variable discharge openings being normally closed when said pilot valve member is in a central position, a flow restricting means fixedly mounted in each of said conduits, a main valve member for selectively connecting either of a pair of output conduits to said source, pressure responsive means for operating said main valve and a pair of pressure sensing lines between said pressure responsive means and the upstream side of the flow-restricting means in said fluid conduits whereby said main valve member may be moved in response to variations in flow in said fluid conduits.

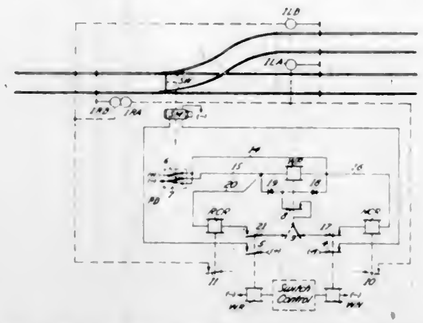
2,582,089

RAILWAY TRAFFIC CONTROLLING SYSTEM

Robert F. Wells, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application June 2, 1945, Serial No. 597,216

7 Claims. (Cl. 246—219)



1. In an electrical control organization for railway signalling systems, the combination with a control circuit energized with direct current of different polarity at different times, a neutral-polar indication relay included in said control circuit and having a biased neutral armature and a polar armature for respectively operating neutral and polar contacts, normal and reverse repeater relays, two rectifier units, energizing circuits governed by said neutral and polar contacts for energizing one or the other of said repeater relays in multiple with said indication relay from said control circuit, the energizing circuit for each of said repeater relays including one of said rectifier units acting to block the flow of current through that relay when said control circuit is energized with a polarity opposite to that to which that repeater relay is intended to respond, whereby energization of the wrong repeater relay is prevented upon change in polarity of the control circuit if the polar armature of said indication relay fails to respond to such change in polarity.

2,582,090

FISHING HOOK GUARD

Gail Wineinger, Hewins, Kans.

Application August 7, 1946, Serial No. 688,933

4 Claims. (Cl. 43—54.5)



2. A fishing hook protective device of the character described, comprising a relatively long hollow body open at both ends, the body having a longitudinal integral continuing hood-like portion at one end, said hood-like portion terminating in an angularly directed portion spaced from the adjacent end of the hollow body, said angularly directed portion having a V-notch cut therein.

2,582,091

FLUID CONTROL APPARATUS

Richard M. Witt, San Francisco, Calif., assignor, by mesne assignments, to Grove Regulator Company, a corporation of California

Application January 31, 1945, Serial No. 575,433

4 Claims. (Cl. 137—157)

1. In fluid control apparatus, a body provided with an annularly contoured and dished flange,

the faces of said flange conforming generally to the surfaces of two spaced and concentric truncated cones whereby one such face is convex and the other concave, an annularly contoured diaphragm extending across one side of the body and having its center aligned with the axis of the flange, said one side of the body corresponding to the convex side of the flange, and a dished plate positioned with its concave side faced toward the



diaphragm and with its peripheral edge portion overlying the convex face of the flange, said flange and plate forming between them annular shoulders for gripping the peripheral edge portion of the diaphragm, said plate and diaphragm forming a fluid chamber between them and the plate having a passage therethrough for communicating with said chamber, and means for clamping the plate and flange together.

2,582,092

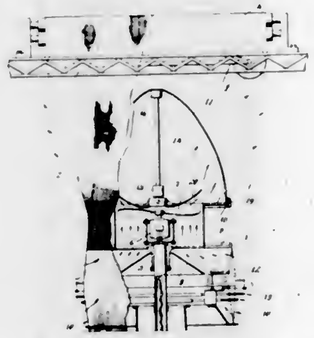
LINT COLLECTOR FOR CIRCULAR LOOMS

Victor Marie Joseph Ancet, Lyon, France

Application March 3, 1949, Serial No. 79,369

In France April 13, 1948

6 Claims. (Cl. 139—13)



1. In a circular weaving loom including a fan for removal of flock and dust, the fan being situated axially in the weaving zone, in a position to suck air inwardly through the warp threads and weaving zone and discharge it in the direction of the woven cloth, the provision of a filter intermediate the woven material and the discharge side of the fan.

2,582,093

READILY RELEASABLE LOOP RETAINER

John R. Ayers, Nahant, Mass.

Application March 31, 1949, Serial No. 84,554

1 Claim. (Cl. 24—27)



A device of the class described, comprising a normally open resilient loop, the end portions thereof being normally disposed in angular relation with respect to each other, one end portion of said loop being formed into an elongated coil with spaced convolutions and lying in the general plane of the loop, said coil being of an inside diameter to freely pass the other end portion of the loop when the end portions are brought into alinement with each other, said other end portion having its extremity deflected outwardly in the general plane of the loop by less than 90° and adapted to extend into the space between adjacent convolutions of the coil, the angular relationship of the end portions and the resiliency of the loop causing said outwardly deflected extremity to be forced outwardly between adjacent convolutions of the coil and thereby releasably latch the loop closed in any adjusted position.

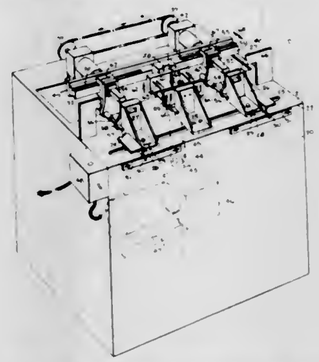
2,582,094

PUNCHING MACHINE

Maurice M. Balsam and Henry M. Balsam, New York, N. Y., assignors to M. M. Balsam, Inc., New York, N. Y.

Application September 22, 1948, Serial No. 50,598

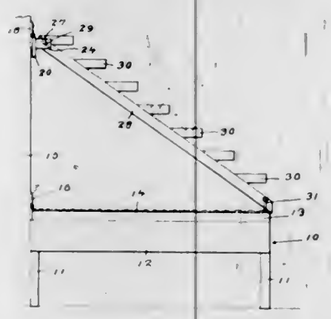
1 Claim. (Cl. 164—90)



In a machine for simultaneously punching a plurality of holes in a sheet member, the combination, with a base of three guide members mounted on the latter, the base having a longitudinal slot allowing horizontal adjustment of the two outer guide members on both sides of the intermediate guide member toward and away from the latter along said slot in said base; means engaging in said slot for fixing the two outer guide members in attained positions of adjustment; a pair of hollow blocks rigidly supported on

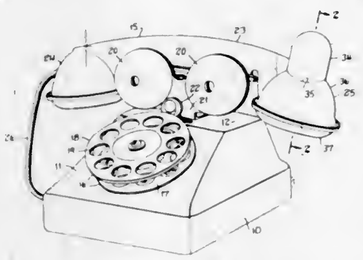
said base in spaced apart relation, the intermediate guide member having a die matrix with at least one vertically elongated aperture therein; further die matrices on the outer guide members having punching apertures therein; substantially horizontal threaded drive shafts rotatably mounted in said hollow blocks and each shaft carrying a first operating wheel; an additional operating wheel on one of said drive shafts; drive means for driving the additional operating wheel; operative means interconnecting the first operating wheels for providing simultaneous rotation thereof; threaded drive members mounted on and meshing with the threads on said drive shafts to be moved horizontally thereby upon rotation of said drive shafts; an elongated horizontal supporting member fixed on said threaded drive members; three punching devices adapted to cooperate with three guide members; three supports mounted on said movable supporting member and individually supporting said punching devices, the intermediate support having vertical guide means exclusively allowing vertical adjustment of the intermediate punching device in order to cooperate with the vertically elongated aperture in the die on said intermediate guide member; horizontal guide means on said movable supporting member for slidably guiding the other two supports along the latter member, the two punching devices on said other two supports cooperating with the punching apertures in the further dies; mutually engaging means on said supports and said guide members for maintaining the punching devices and the apertures in said dies in operative alignment in all positions of horizontal adjustment on said other guide members and vertical adjustment of the intermediate punching device; means for securing the latter and said other guide members in attained positions of adjustment; and means for initiating and controlling operation of said drive means.

2,582,095
INDIVIDUAL POULTRY ROOST
Arthur J. Bergeron, Kittery, Maine
Application July 28, 1949, Serial No. 107,233
4 Claims. (Cl. 119—24)



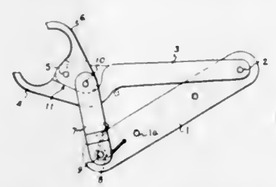
1. In a poultry house, the combination with a horizontally disposed supporting platform, and a vertically disposed back wall, of a poultry roost operatively connected to said platform and wall, said poultry roost comprising a horizontally disposed back board hingedly connected to said wall, a plurality of hanger members secured to said back board, a plurality of downwardly inclined body members having their upper ends detachably connected to said hanger member and their lower ends supported on said platform, and a plurality of horizontally disposed, spaced, parallel cantilevered roost bars projecting outwardly from each of said body members and secured thereto.

2,582,096
TOY TELEPHONE
Howard W. Bessell, Manhasset, N. Y., assignor to The N. N. Hill Brass Company, East Hampton, Conn., a corporation of Connecticut
Application April 4, 1950, Serial No. 153,898
2 Claims. (Cl. 46—33)



1. In a toy telephone having an imitation base with a rest, and an imitation handset placeable on and removable from said rest and having a handle-hold bar and a transmitter and receiver at the opposite ends, respectively, of said bar of which the ear side of said receiver is apertured, the combination of a sounding reed in said receiver; and a manually depressible rubber bulb for sounding said reed, said rubber bulb being carried by, and in communication with the interior of, said receiver and projecting outwardly from said receiver opposite said ear side thereof so as to be accessible for depression by the thumb of a child's hand while the other fingers of the same hand grasp said handlehold bar and hold the handset with its receiver against an ear of the child.

2,582,097
CIGARETTE HOLDER
Richard L. Blackwell, Detroit, Mich.
Application May 17, 1946, Serial No. 670,342
3 Claims. (Cl. 131—257)



1. A gripping device comprising an elongated arm, a jaw formed on one end of such arm, a pivot mounting the other end of the arm, a companion jaw pivoted on the arm, and a spring exerting pressure on said companion jaw in both the closed and open positions of said jaws at a point approximately between the pivots of such companion jaw and arm, there being a toggle relation between the arm and companion jaw, entailing travel of said point across the line established by said pivots, said spring acting by virtue of such relation to resist both opening and closing travel of the jaws, and said spring being positioned at one side only of said line.

2,582,098
PHENOL-ALDEHYDE-AMINE ANION EXCHANGE RESIN
David G. Braithwaite and Joseph S. D'Amico, Chicago, Ill., assignors to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 11, 1947, Serial No. 779,406
10 Claims. (Cl. 210—24)

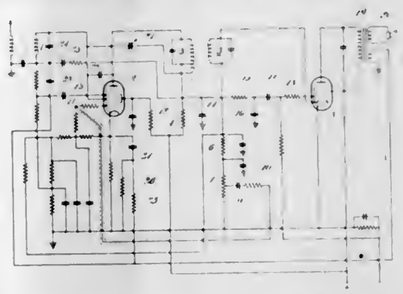
1. A water insoluble anion exchange resin obtained by reacting in an aqueous medium a polyalkylene polyamine and formaldehyde, while maintaining the reactants and products in liquid phase, the formaldehyde being an excess over that required for the reaction and the quantity of water being sufficient to dissolve the resultant condensation product, adding phenol and allowing the ingredients of the resultant reaction mixture to react substantially in liquid phase, acidifying with an aqueous acid solution to a low pH approximating pH 1 to 2 at a rate such that the temperature does not rise to the temperature at which the resultant resin solidifies and in a quantity effective to produce a clear solution of the resultant product, and then causing the resultant product to solidify, the proportions of said reactants corresponding to 0.7 to 1.7 mols of basic nitrogen atoms per 1.5 to 3.0 mols of formaldehyde per mol of phenol, said product when dried having a nitrogen content within the range of 9 to 14% nitrogen, a capacity in excess of 10,000 grains per cubic foot, and which when 25 ml. thereof is regenerated with a 4% sodium carbonate solution, heated on a steam bath with 50 cc. of 1% hydrochloric acid for 10 minutes, filtered and washed with 25 ml. of distilled water will produce a transmission reading of at least 95%.

2,582,099
PREPARATION OF SILICA-MAGNESIA BEAD CATALYST
David G. Braithwaite, Chicago, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 9, 1949, Serial No. 103,955
8 Claims. (Cl. 252—448)

4. A process for the preparation of an improved silica-magnesia catalyst which consists essentially of intimately mixing silica hydrogel microspheres and a magnesium compound from the group consisting of magnesium oxide and magnesium hydroxide in an aqueous slurry at a temperature within the range of 125 degrees F. to 175 degrees F. for a period of ½ hour to 1½ hours, separating the water and drying to a moisture content of 10% to 15% at a temperature of 500 degrees F. to 800 degrees F.

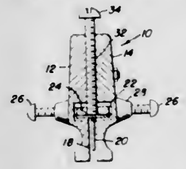
2,582,100
REFLEX AMPLIFIER CIRCUIT FOR RADIO RECEIVERS
Henricus Adrianus Broos, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 29, 1946, Serial No. 665,663
In Belgium March 3, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 3, 1965
4 Claims. (Cl. 250—20)

3. A reflex amplifier comprising an electron discharge tube having in the order named, a cathode, a first control grid, an auxiliary electrode, a second control grid and an output electrode, means to apply a modulated high frequency signal voltage to said second control grid, detector means coupled to said output electrode to produce a low frequency modulation voltage, means to apply said modulation voltage to said first control grid, a first modulation voltage load impedance element coupled to said auxiliary electrode, means to couple said load impedance element to said second control grid, a second modulation voltage load impedance element coupled to said output electrode, means to couple said sec-



ond impedance element to said second control grid to apply said modulation voltage in negative feedback relationship to said second control grid, a modulation voltage utilization circuit coupled to said second impedance element, and means coupled to said utilization circuit to apply said modulation voltage in negative feedback relationship to said second control grid and to said cathode.

2,582,101
PRUNING SAW JOINTER
William W. Brown, Wheatland, Calif.
Application June 27, 1949, Serial No. 101,567
1 Claim. (Cl. 76—47)

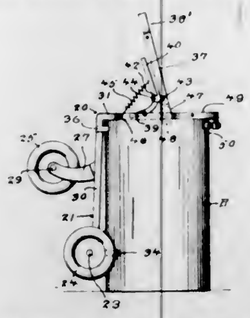


A saw jointer comprising a pair of separable complementary body sections forming a housing, the juxtaposed surfaces of said body sections having registering channels therein defining a recess in said housing for receiving a file, the juxtaposed surfaces of the body sections being spaced at one side of the channels to define a longitudinal medial slot in the housing that communicates with the recess, the juxtaposed surfaces of the body sections having registering grooves that are on the other side of the channels and perpendicular thereto that define an internally threaded bore in the housing that intersects the recess, a threaded shank in the bore for adjustably bearing against a file in the recess, threaded means securing the body sections together, and means spaced on opposite sides of the shank for clamping a file in the recess.

2,582,102
BARREL TRUCK
Ben Carter, Keyesport, Ill., assignor of one-half to Edward Courtwright, Granite City, Ill.
Application April 20, 1950, Serial No. 157,166
2 Claims. (Cl. 214—65.4)

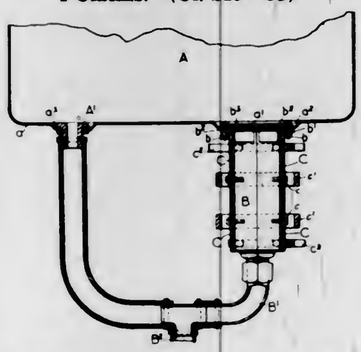
1. In a barrel truck, a frame including a pair of spaced L-shaped body members, an axle ex-

tending between the front ends of said body members, a pair of wheels mounted on said axle, a first strap including an arcuate intermediate portion for supporting the barrel secured to the front end of said body members, a caster wheel arranged rearwardly of said front wheels and connected to said frame for supporting the rear portion of the latter, a second barrel-supporting



strap secured to the rear ends of said body members, the upper rear ends of said body members terminating contiguous to each other, an elongated handle having one end pivotally connected to the upper rear ends of said body members, and a manually operable locking mechanism operatively connected to said handle for locking said barrel on the truck.

2,582,103
ELECTRIC HEATING OF WASH BOILERS AND THE LIKE
Carlton Clegg, Rochdale, England
Application March 6, 1950, Serial No. 147,813
In Great Britain March 9, 1949
4 Claims. (Cl. 219—38)



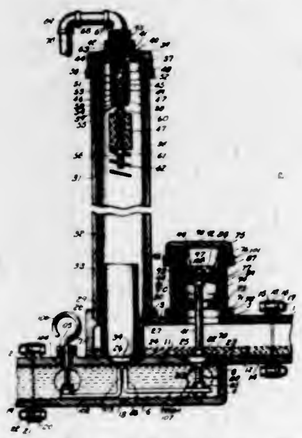
1. An externally heated electric wash boiler having a base provided with apertured recessed portions which are spaced apart laterally and form depressions in the base, a multi-sided upright heating vessel suspended at its upper end from one of the apertured recessed portions of the base of the boiler and having an opening of substantially its full diameter at its upper end communicating with the interior of the boiler, electric heating elements secured against the exterior of the respective sides of the heating vessel to heat water therein and cause discharge of the heated water therefrom through the opening in its upper end into the boiler, and a return pipe connected to the lower end of the heating vessel and to another of said apertured recessed portions in the base of the boiler for the circulation therethrough of cooler water from the boiler to the heating vessel for heating therein.

2,582,104
INTRAORAL TRACER AND BALANCER FOR DENTURES
Lucian G. Coble, Greensboro, N. C.
Application May 31, 1949, Serial No. 96,345
4 Claims. (Cl. 32—19)



1. In an intra-oral balancer and tracer of the character described, a bridge for attachment to a lower denture comprising a thin flat plate having a circular central section, integral ears extending outwardly at opposite sides of this section, each of said ears having parallel straight sides, one side being longer than the other so the ends of said ears are angularly disposed, converging forwardly of the bridge at an angle corresponding to the included angle of the lingual flanges of a lower denture, the center portions of the ends of said ears being bent downwardly to form depending flanges on each ear between lobes at the sides thereof, and spaced guide pins extending upwardly from the face of the circular central section.

2,582,105
DEVICE FOR SHUTTING OFF GASES FROM PIPE LINES
John T. Cronkhite, Tulsa, Okla.
Application August 22, 1947, Serial No. 770,052
11 Claims. (Cl. 137—68)

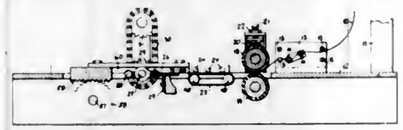


11. An apparatus of the character described including a valve casing having dual ports, a float valve controlling one of said ports, a pressure actuated valve controlling the other port, and means carried by the pressure actuated valve to unseat the float valve.

2,582,106
MATERIAL HANDLING MACHINE
Andrew Y. Crowley, Jr., and Floyd C. Newton, Jr., Griffin, Ga.
Application July 9, 1948, Serial No. 37,864
15 Claims. (Cl. 164—68)

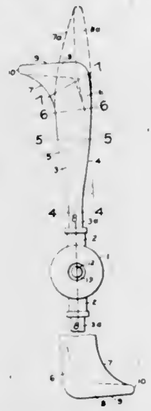
6. In a machine of the character described, the combination of feed mechanism for feeding material to be cut into shorter lengths, cutter means including a cutter blade to which said material

is fed, means for adjusting the position of said cutter means with respect to said feed mechanism, means for driving said feed mechanism and said cutter blade, and means for simultaneously



adjusting the operating speed of said feed mechanism and adjusting the position of said cutter means with respect to said feed mechanism while the machine is in operation.

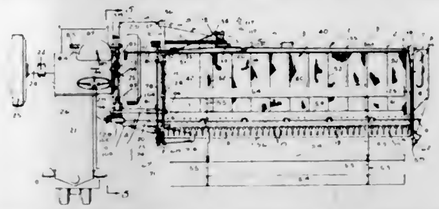
2,582,107
PROPELLER BLADE
Guy L. Dakin, Dansville, Mich.
Application June 25, 1949, Serial No. 101,399
1 Claim. (Cl. 170—159)



A propeller comprising a hub, a plurality of blades extending outwardly from said hub, each blade having a shank portion generally circular in section, an airfoil section contiguous to said shank portion having its chord axis disposed at an acute angle to the plane of rotation of the propeller, a three sided cupped portion disposed outwardly of said airfoil section and facing in the direction of rotation of the propeller, said cupped portion having an outer surface of greater extent in the direction of rotation than the maximum width of the airfoil section and a leading edge of substantially greater width than its trailing edge, said cupped portion extending transversely to the plane of rotation of the propeller and one side of the cupped portion being curved and merging at its end into the leading edges of the cupped portion and airfoil section of the blade respectively.

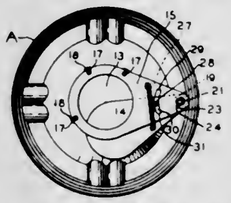
2,582,108
MOWER AND WINDROWER
Harold R. Dean, Bird Island, Minn.
Application October 13, 1948, Serial No. 54,225
2 Claims. (Cl. 56—23)

1. In a device of the class described, an elongated frame, means for securing the same to a tractor to project laterally outwardly therefrom at right angles to the line of travel thereof, a cutter bar extending longitudinally of the frame adjacent the leading edge thereof, an endless conveyor extending longitudinally of the frame directly behind said cutter bar and terminating in spaced relation to the inner end of the cutter bar whereby to provide an outlet intermediate said conveyor and the inner end of said frame, means adapted to be connected to the power take-off of said tractor for reciprocating said cutter bar and driving said conveyor, a pair of arms pivotally secured to the frame in laterally-spaced relationship, a reel journalled in said arms adjacent their free ends, means associated with said first-mentioned means for rotating said reel, a pair of mast elements one each adjacent one of said pivoted arms, a pair of pulleys journalled one each to the upper end portions of one of said mast elements, a handle-equipped lever element



pivoted to said frame adjacent the driver's seat of said tractor, flexible cables running over said pulleys and connecting the outer end portions of said pivoted arms with said lever whereby movements of said lever will cause raising and lowering movements of said arms and reel, the driving means for said reel including a shaft mounting said reel, a bearing bracket journalling one end portion of said shaft and adjustably mounted on one of said pivoted arms, a gear fast on said shaft adjacent said bearing bracket, a pinion journalled in said bearing bracket and meshing with said gear, a driving shaft keyed to said pinion for rotation therewith and for axial sliding movements with respect thereto, and driving connections between said shaft and said means adapted to be coupled to the power take-off of said tractor.

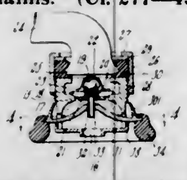
2,582,109
ASH TRAY
Le Emmette V. de Fee, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application November 22, 1948, Serial No. 61,423
3 Claims. (Cl. 220—20.5)



1. An ash tray having a depressed ash receiving opening, a pear-shaped ash receiving plate, a slot formed in the small end of said plate, a lug struck from said ash receiving plate, a support plate for said ash receiving plate adapted to support said ash plate in contact with the lower edge of said ash receiving opening and having an opening formed therein substantially the size of said ash receiving opening, a rod positioned in said slot formed in said ash receiving plate and pivotally secured to said support plate for actuating said ash plate, a lug struck from

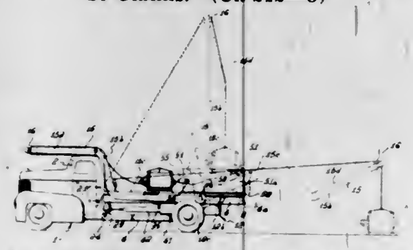
said support plate, spring means connecting said lugs to urge said ash receiving plate beneath said ash receiving opening.

2,582,110
COMPOUND OUTLET VALVE FOR FAUCETS
Montague H. Duval, Great Neck, N. Y.
Application August 13, 1945, Serial No. 610,439
6 Claims. (Cl. 277—43)



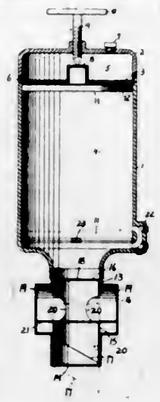
2. A compound outlet valve for faucets comprising a valve casing having a passage through it and a valve seat, and a slot in its side wall intermediate the valve seat and the outlet of the casing, a main valve element arranged to bear on said seat and being separable therefrom in the direction away from the outlet, a secondary valve element cooperating with a passage through the main valve element and arranged to seat across the end of such passage which is more remote from the casing outlet, an actuator comprising a ring surrounding the casing and having an arm extending through said slot with means for unseating the secondary valve element only when the actuator is displaced a limited distance in one direction and for unseating the main valve element also when displaced a further distance in the same direction, said slot being inclined so that reaction of a bounding wall thereof with said arm when the ring is rotated causes displacement of the actuator in the manner set forth.

2,582,111
HOISTING APPARATUS
Lourie L. Eakin, Ventura, Calif.
Application January 31, 1949, Serial No. 73,694
10 Claims. (Cl. 212—8)



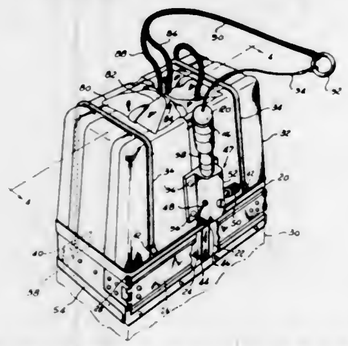
1. In a hoisting apparatus, a support, a boom pivoted on the support and on an axis transversely thereto and adapted to move to various operative positions with respect thereto, said boom having an arm extending from said pivotal axis, a frame on the support located in a plane perpendicular to said axis and having a plate cam located around the axis with its ends located a greater distance laterally forwardly and backwardly from the axis than the middle portion vertically from the axis, a block slidably mounted on the cam and also on the arm, a bearing member pivotally mounted on a horizontal axis on and transversely to the frame, a screw rotatably mounted at one end on the bearing member and fixed against longitudinal movement thereon and screwably extending with its other end into the block for moving the same on said cam and on said arm, and means for rotating the screw.

2,582,112
FIRE EXTINGUISHER
Vernon E. Ferguson, Swan, Mo.
Original application April 23, 1946, Serial No. 664,394. Divided and this application March 26, 1951, Serial No. 217,601
4 Claims. (Cl. 169—31)



1. A fire extinguishing device comprising a pair of chambers, one of said chambers being adapted to contain a propulsive fluid and the other a fire extinguishing fluid and having a discharge opening, a diaphragm sealing the discharge opening and broken by an increase in pressure in the fire extinguishing chamber, a closure between the chambers, means to open the closure, a piston in the fire extinguishing chamber adapted to be driven by the propulsive fluid to expel the fire extinguishing fluid, a stop to limit piston travel, and a by-pass tube having its opposite ends connected to the fire extinguishing chamber and points on opposite sides of the piston when the latter is arrested by said stop.

2,582,113
DELAY OPENING PARACHUTE PACK AND RELEASING ASSEMBLY THEREFOR
Walter S. Finken, Brooklyn, and Leonard P. Frieder, Great Neck, N. Y., assignors, by mesne assignments, to the Reconstruction Finance Corporation, Philadelphia, Pa., a corporation of the United States
Application November 13, 1947, Serial No. 786,861
16 Claims. (Cl. 244—150)

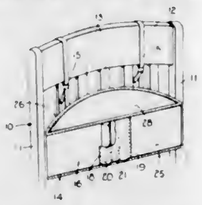


12. A delay opening parachute pack adapted to be dropped from an aircraft, including in combination a housing, a parachute positioned in the housing, means for opening the housing to free the parachute, a securing means normally holding the housing in closed position, said securing means comprising a member adapted to be rendered inoperative by heat of combustion, a powder train adapted to burn a predetermined period of time, a housing for said powder train, means for positioning said securing member adjacent the end of the powder train whereby combustion of the train will render said securing member inoperative after a predetermined period of time whereby to release the parachute, a vent for said housing, means for igniting the train to initiate the release action, said means including a lanyard, and means for securing the lanyard to an aircraft, the arrangement being such that when said assembly is dropped the pull on said lanyard will initiate the release action.

2,582,114
SYNTHESIS OF STYRENE OXIDE
Hans R. Frisch, Montreal, Quebec, Canada, assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 7, 1949, Serial No. 97,700
8 Claims. (Cl. 260—348.6)

1. A method of preparing styrene oxide from a mixture of styrene chlorohydrin and styrene dichloride which comprises heating said mixture with a solution of an alkaline earth metal salt of a lower saturated fatty acid in a lower alkanol at a temperature of from 70° C. to 90° C. while maintaining the reaction mixture non-acid.

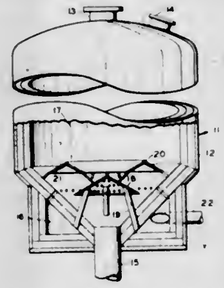
2,582,115
POSTURE ATTACHMENT FOR CHAIRS
James E. Goodeve, Brooklyn, N. Y.
Application December 4, 1948, Serial No. 63,549
8 Claims. (Cl. 155—182)



1. A device of the character described comprising a ring element of flexible material, an elongated member comprising a strip of spring material of substantially the same width as the width of said ring element, said member being of a length greater than the diameter of said ring element and arranged therein to support the ring element in substantially crescent-form, the crescent-form of said element defining a front body engaging part normally extending in a straight path between terminal ends of said member and a curved back part.

2,582,116
PEBBLE HEATER CHAMBER DESIGN
Robert R. Goins, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 24, 1948, Serial No. 45,861
7 Claims. (Cl. 263—19)

5. A pebble heater apparatus comprising in combination a closed upper shell; pebble inlet means disposed in the top portion of said upper shell; first gaseous effluent outlet means in the upper portion of said upper shell; a pebble outlet in the lower portion of said upper shell; a circular baffle, spaced coaxially with and a sufficient distance above said pebble outlet to be above the angle of repose taken at said pebble outlet but below the angle of slip, said baffle being in the lower portion of the chamber formed within said upper shell and being larger in diameter than said pebble outlet; an annular baffle having an inner diameter smaller than the diameter of said circular baffle and an outer diameter larger than said circular baffle, coaxially disposed with and spaced above said circular baffle in the lower portion of said upper chamber; a combustion chamber adjacent the lower portion of said upper shell; burner means in said combustion chamber; combustion gas conduit means communicating between said combustion chamber and points adjacent the lower side of said baffles; a closed lower shell communicating at its upper end with said pebble outlet from said upper shell; second gaseous effluent outlet means

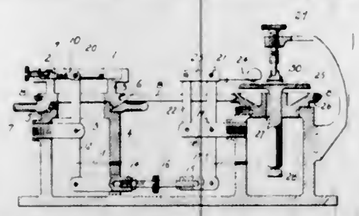


in the upper portion of said lower shell; a pebble outlet in the lower portion of said lower shell; a circular baffle spaced coaxially with and a sufficient distance above said pebble outlet to be above the angle of repose taken at said pebble outlet but below the angle of slip, said baffle being in the lower portion of the chamber formed within said lower shell and being larger in diameter than said pebble outlet; an annular baffle having an inner diameter smaller than the diameter of said circular baffle and an outer diameter larger than said circular baffle, coaxially disposed with and spaced above said circular baffle in the lower portion of said lower chamber; a gas distribution chamber adjacent the lower portion of said lower shell; gas inlet means in said gas distribution chamber, gas conduit means communicating between said gas distribution chamber and points adjacent the lower side of said baffles; and pebble recycle means adapted so as to recycle pebbles from the pebble outlet of said lower chamber to the pebble inlet of said upper chamber.

2,582,117
APPARATUS FOR CUTTING OUT OPTICAL GLASSES
Paul Guillermet and Felix Planet, Lyon, France
Application July 11, 1947, Serial No. 760,468
In France March 13, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 13, 1966
4 Claims. (Cl. 33—23)

1. An apparatus for cutting optical glasses chiefly spectacle glasses comprising two rotary carrier members adapted to rotate round two vertical axes. means for securing the frame of the glasses horizontally to one of said members, a roller adapted to engage the inner periphery of

the frame, a lever lying in the plane of the two carrier axes and to which said roller is pivotally secured, a horizontal stationary pivot for said lever, means yieldingly acting on the lever for urging the roller thereon into engagement with the frame, means whereby the glass to be cut is carried by the other member in a horizontal position thereon, a cutter adapted to engage op-



eratively the glass on its carrier, a cutter holder, a second lever lying in the plane of the two axes, a horizontal pivot for said second lever, a leverage connecting the two levers in their plane for constraining the roller and cutter to move correspondingly along substantially horizontal lines in the plane of the carrier axes, and means for constraining the two rotary members to rotate in unison.

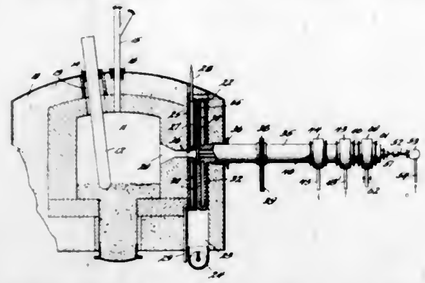
2,582,118
AIRPLANE WITH MOVABLE WING TIPS
Augustine C. Haller, Berwyn, Md.
Application May 20, 1946, Serial No. 671,081
3 Claims. (Cl. 244—13)



1. An airplane comprising a wing having a main wing portion and tip portions forming continuations of the main wing portion, each tip portion and the main wing portion having the adjacent edges thereof disposed diagonally with respect to the longitudinal dimensions of the wing to permit fore and aft and up and down movements of each tip portion, and means operatively connecting each tip portion with the main wing portion comprising a swivel connection between each tip portion and main wing portion adjacent the leading edge of the wing, and a hinge connection between the wing portions intermediate the leading and trailing edges of the wing for guiding the tip portion in its aforementioned movements.

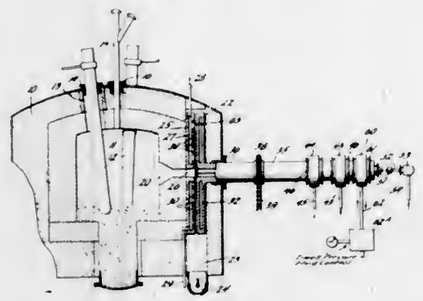
2,582,119
PRODUCTION OF MAGNESIUM
Fritz John Hansgirg, Black Mountain, N. C.; Josefine Maria Hansgirg, administratrix of said Fritz John Hansgirg, deceased, assignor to North Carolina Magnesium Development Corporation, Asheville, N. C., a corporation of North Carolina
Application September 24, 1946, Serial No. 698,984
2 Claims. (Cl. 266—16)

2. Apparatus for producing metallic magnesium comprising, in combination, a reduction furnace for the thermal reduction of magnesium compounds, a condensing chamber adjacent said furnace, a discharge opening providing a passageway for the gaseous products of reduction from the furnace to the chamber, a rotatable disc in said chamber having a surface facing said opening and against which the gases must impinge, means for cooling said disc, a hollow shaft upon which the disc is carried, said disc also being hollow, means for supplying cooling fluid to the interiors of said shaft and disc, means for rotating said shaft and consequently said disc,



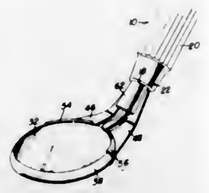
a reamer carried axially by the rotatable disc and shaft, and hydraulically actuated means disposed within said shaft for projecting said reamer periodically into the discharge opening and withdrawing it therefrom, and hydraulic connections for supplying operating fluid through said hollow shaft to said hydraulically actuated projecting means while the shaft is rotating.

2,582,120
PRODUCTION OF MAGNESIUM
Fritz J. Hansgirg, Yonkers, N. Y.; Josefine Maria Hansgirg, administratrix of said Fritz John Hansgirg, deceased, assignor to North Carolina Magnesium Development Corporation, Asheville, N. C., a corporation of North Carolina
Original application September 24, 1946, Serial No. 698,984. Divided and this application December 17, 1948, Serial No. 65,855
2 Claims. (Cl. 75—67)



1. A process for producing metallic magnesium by the thermal reduction of materials containing magnesium oxide by means of carbon, which includes shock-cooling the hot gaseous products of the reduction reaction as they issue from the furnace, down to a temperature of less than 250° C., by moving said gases in the form of a thin flat sheet between closely spaced parallel surfaces, cooling at least one of said surfaces, maintaining both surfaces in a dry condition, and maintaining said cooled surface in such a state of rapid rotation in its own plane and parallel to the plane of the other surface, as to effect a relative contact velocity of the gases with respect to the rotating chilling surface of not less than approximately 150 feet per second.

2,582,121
DENTAL MIRROR AND RETRACTOR
Herman S. Harvey, Minersville, Pa.
Application September 15, 1950, Serial No. 185,020
2 Claims. (Cl. 88—104)



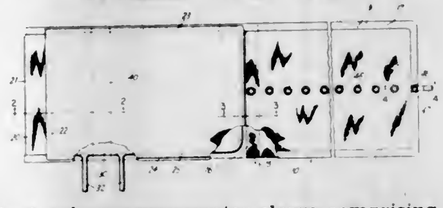
1. A dental mirror and retractor comprising a disk having an angulated rod extending therefrom with a threaded outer end for attachment to a handle, a pair of mirrors positionable on the faces of said disk, first means for engaging the periphery of said disk and mirrors for holding the same from displacement relative to each other, and clamping means engageable with said first means for holding the same in clamping engagement with said disk and mirrors, said first means including a channeled and substantially circular-shaped split rim portion having the free ends thereof angulated in form and in parallel relation and radially extending from said rim portion, the disk and mirrors being positionable within said rim portion and said clamping means engageable with said free ends, said clamping means including a pair of arcuately grooved elements for clamping engagement with the rim portion of said first means, a tubular element joining said arcuately grooved elements and having a conical portion thereon adapted to receive the angulated portions of said free ends of the first means and said angulated rod.

2,582,122
GATE STRUCTURE
Burl W. Haskett, Huntington, Ind.
Application December 15, 1949, Serial No. 133,048
5 Claims. (Cl. 160—156)



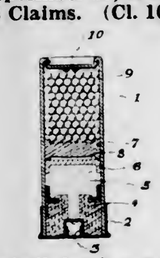
5. A parallelogram type gate comprising a pair of opposing parallel horizontal standards, a pair of parallel vertical standards carrying said horizontal standards, each pair of said vertical standards comprising two members formed to nest at least partially around the periphery of said horizontal standards, clamping means connecting said vertical standards through said horizontal standards at their nesting connection, to rigidly clamp said horizontal standards between said vertical standards in all positions of lift of the gate, a first of said vertical standards being provided with means for holding it in a vertical position, a telescoping sag adjustor extending diagonally from said first vertical standard to the other unsecured vertical standard, said sag adjustor comprising a tubular outer member provided with longitudinally and serially spaced apertures, an inner assembly including a cylindrical member having one end telescoping within said tubular member, and a pawl pivotally mounted in extension of the telescoping end of said inner cylindrical member, a tongue pivotally mounted on said assembly, said tongue being so positioned and of such length that in one position it covers the pawl, whereby on movement of said inner assmbly in one direction, said tongue engages one of said apertures to position itself over the pawl to prevent the pawl from engaging the apertures, and on movement of the inner assembly in the other direction, the tongue engages one of said apertures to pivotally reverse its position and thereby permit said pawl to engage a desired aperture, the movement of said telescoping sag adjustor members being effected by vertical movement of the end of the gate frame adjacent the unsecured vertical standard.

2,582,123
ADJUSTABLE LENGTH SPHYGMOMANOMETER CUFF OR SLEEVE
Walter E. Heitz, Scarsdale, N. Y., assignor to Heitz Instruments, Inc., New York, N. Y., a corporation of New York
Application June 23, 1950, Serial No. 169,821
10 Claims. (Cl. 128—2.05)



1. A sphygmomanometer sleeve comprising, in combination, an elongated strip of relatively heavy fabric folded inwardly upon itself for substantially one-half its length to form a reinforced double layer construction; and a strip of relatively thin fabric secured along one end and both edges to the inner surface of such elongated strip throughout the major part of its non-reinforced length and forming therewith a pocket open at the other end of the thin fabric strip to receive an inflatable bag; said relatively thin fabric providing for sensitive response of the inflated bag to blood stream pulsations.

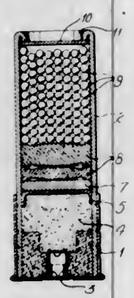
2,582,124
AMMUNITION
Raymond S. Holmes, Alton, Ill., assignor to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware
Application September 15, 1945, Serial No. 616,526
13 Claims. (Cl. 102—42)



12. A shot shell having a tube, a propellent charge and a loose shot charge within the tube,

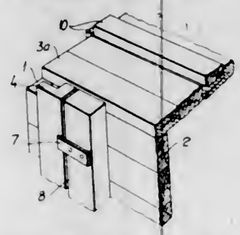
a substantially self-sealing gun wad between the propellant charge and the shot charge, and an end closure integral with the tube and contiguous with the shot charge.

2,582,125
AMMUNITION
Raymond S. Holmes, Alton, Ill., assignor to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware
Application September 29, 1947, Serial No. 776,837
12 Claims. (Cl. 102—42)
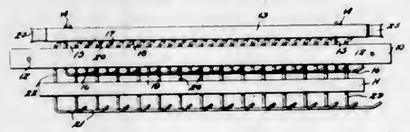


12. A shot shell having a tube, a propellent charge and a loose shot charge within the tube, a substantially self-sealing gun wad between the propellent charge and the shot charge, and an evanescent closure for the tube contiguous with the shot charge.

2,582,126
DISMOUNTABLE CASE
Hans Erik Edvin Holst, Lidingo, Sweden, assignor to Hyresgasternas Sparkasse- och Byggnadeforeningars Riksforbund u. p. a., Stockholm, Sweden, a corporation of Sweden
Application December 20, 1949, Serial No. 133,983
In Sweden May 6, 1949
4 Claims. (Cl. 217—12)



1. In a dismountable case the combination of a removable cover and bottom and four individually removable side walls which are vertical when the case rests on its bottom, and which are arranged in pairs oppositely and in parallel relationship to each other, ribs being provided at two opposite vertical edges at the outer surface of each of two of the oppositely disposed side walls of said case, said ribs being disposed perpendicularly to said bottom, vertical edge bars at the adjacent edges of the other two opposite side walls, a longitudinal channel in each of said edge bars and opening toward the said ribs at the adjacent side walls, said ribs engaging said channels to prevent the first-mentioned rib-carrying side walls from falling outward, and abutments provided on said first-mentioned rib-carrying side walls and overlapping and supporting said channelled edge bars to prevent said first-mentioned side walls from falling inward, said case further comprising edge bars attached to the inner surface of the lower edge portions of two opposite side walls to support the bottom, and bars attached to the external surface of the two other opposite side walls, and projecting downward beyond the upper surface of said bottom and terminating approximately at the level of the underside of said bottom in order to locate said bottom and said side walls in fixed interrelation, said abutments being disposed on said downwardly projecting bars.

2,582,127
NECKTIE RACK
Alfred J. Hort, Great Neck, N. Y.
Application March 12, 1949, Serial No. 81,173
2 Claims. (Cl. 211—87)



1. A necktie rack comprising an elongated stationary bar adapted to be secured to a support, an elongated movable bar parallel, juxtaposed, and spaced from said stationary bar, a pair of hook members connected to said movable bar and movably passed through the stationary bar for movably connecting said bars, a first series of hook members anchored in the movable bar in lateral alignment with each other and passed through the stationary bar, a second series of hook members similarly anchored in the movable bar and in lateral alignment with each other and also passed through the stationary bar, each of said first series of hook members being shorter than the hook members of said second series whereby the respective series are aligned on different levels, both series of hook members being movable frontally for the suspension of neckties in display position upon the movement of said movable bar towards one side and for clamping the neckties between each two adjoining hook members of the same series upon the movement of said movable bar in the opposite direction, each hook member of said first series being arranged in staggered relationship with the hook members of said second series, and a second stationary bar below said first stationary bar and through which said second series of hook members is passed.

2,582,128
ALDIMINES
Melvin D. Hurwitz, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application February 11, 1950, Serial No. 143,834
7 Claims. (Cl. 260—566)

1. A process for making azomethines having the general formula

$$R^1-\underset{\displaystyle R^3}{\overset{\displaystyle R^1}{\underset{|}{\overset{|}{C}}}}-N=CH_2$$

in which R^1, R^2 and R^3 represent monovalent hydrocarbon radicals and in addition R^1 and R^2 taken together with the tertiary carbon atom represent a cycloaliphatic radical which carries the group R^3 on the same carbon atom which is joined to the nitrogen atom, which process comprises reacting equimolar amounts of formaldehyde and a primary amine having the general formula

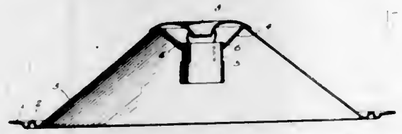
$$R^1-\underset{\displaystyle R^3}{\overset{\displaystyle R^1}{\underset{|}{\overset{|}{C}}}}-NH_2$$

in which R^1, R^2 and R^3 are identical with the same characters described above.

2,582,129
PREVENTION OF CORROSION IN AQUEOUS SYSTEMS
Arthur L. Jacoby, Western Springs, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 13, 1948, Serial No. 49,123
9 Claims. (Cl. 252—71)

2. A corrosion inhibiting composition adapted to be added to an aqueous fluid which contacts metallic surfaces, said composition consisting essentially of a water soluble chromate and a water soluble nitrate in relative weight proportions of 500 to 3000 parts of the water soluble chromate, expressed as $Na_2Cr_2O_7.2H_2O$, and 250 to 1000 parts of the water soluble nitrate, expressed as $NaNO_3$, said composition being effective to inhibit corrosion in aqueous solutions in contact with aluminum and copper when present in said solutions in proportions corresponding to 0.05 to 0.3% by weight of water soluble chromate, expressed as $Na_2Cr_2O_7.2H_2O$, and 0.025 to 0.1% by weight of water soluble nitrate, experssed as $NaNO_3$.

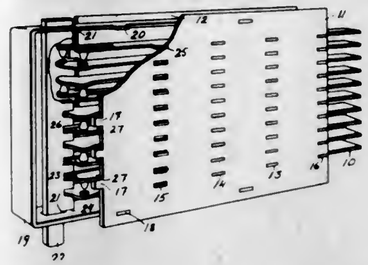
2,582,130
ACOUSTIC DIAPHRAGM
Arthur H. Johnson, St. Charles, Ill., assignor to Hawley Products Company, St. Charles, Ill., a corporation of Delaware
Application October 20, 1948, Serial No. 55,592
1 Claim. (Cl. 181—32)



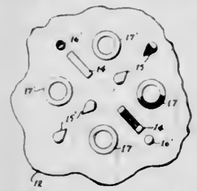
An acoustic diaphragm comprising a primary vibratile sound producing member of general conical diaphragmatic type having a reentrant apical portion and an auxiliary vibratile reentrant member enclosing the top of said apical portion of said primary member, said auxiliary member comprising a flat centerpiece and a flared outer section, the curvature of said outer section corresponding to the curve shown in Fig. 5 of the drawings.

2,582,131
SPRING SET FOR ELECTROMAGNETIC RELAYS AND SIMILAR CONNECTING APPARATUS
Anders Ossian Jörgensen, Traneberg, and Rudolf Waldemar Ingre, Hagersten, Sweden, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden
Application July 31, 1948, Serial No. 41,856
In Sweden July 14, 1947
4 Claims. (Cl. 200—166)

1. A contact spring set for an electromagnetic relay comprising in combination, a plurality of contact groups each including stationary and movable springs, cooperating contact areas on one end of each spring in a group, ears extending laterally from each edge of each spring remote from the said areas, a pair of unitary, flat, insulating side plates common to the spring set and perforated to receive the said ears and rigidly support the springs, said plates extending substantially to the contact areas and each having notches in the forward edge providing integral supporting shoulders adjacent said areas and each stationary spring having wings extending laterally of said area for engagement with a shoulder of each plate to limit movement of the spring to one direction out of its plane.



2,582,132
DECORATED FLEXIBLE FABRIC AND METHOD FOR MAKING THE SAME
Ludwig Kaphan, New York, N. Y.
Application January 30, 1948, Serial No. 5,394
18 Claims. (Cl. 41—34)

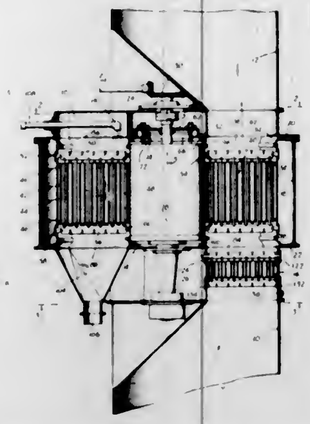


1. A decorated fabric of the character described, comprising a base fabric and a plurality of thermoplastic synthetic plastic stud elements having internal porosity and rounded contour and glossy surface secured on a face of said base fabric.

2,582,133
GAS CLEANING
Per Hilmer Karlsson, Wellsville, N. Y., assignor to The Air Preheater Corporation, New York, N. Y.
Application May 10, 1947, Serial No. 747,167
16 Claims. (Cl. 183—7)

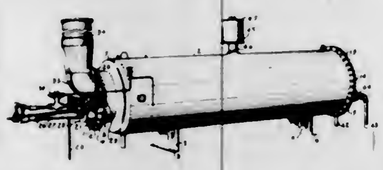
1. In gas cleaning apparatus, a rotor comprising a framework providing a series of circularly arranged sector-like compartments, a plate structure carried by said framework and providing a bank of axially extending open ended channels in each of said compartments, electrically insulated means carried by said framework and including electrodes extending through said channels in spaced relation to the walls thereof for electrostatically charging said channels and a separate connection for energizing the electrodes of each bank; relatively rotatable means operative as the rotor turns for periodically isolating predetermined ones of said compartments from said supply and discharge channels as the rotor turns while permitting continued gas

flow through the remaining compartments, means for supplying current to said electrodes including rotatable control elements moving with said compartment isolating means for simultaneously electrically isolating the electrodes of any compartment isolated from said supply and discharge channels while maintaining the electrodes of the remaining compartments elec-



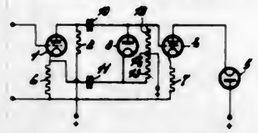
trically energized, cleaning means comprising conduits for discharging cleaning fluid under pressure through the gas passages of isolated compartments in said rotor, and means providing a separate discharge channel communicating only with compartments isolated from the gas flow for conducting from the apparatus precipitated material dislodged by said cleaning fluid.

2,582,134
INDIRECT HEATER FOR FLUIDS
Garman O. Kimmell and Harvey L. Chenault, Oklahoma City, Okla., assignors to Black, Sivalls & Bryson, Inc., Kansas City, Mo., a corporation of Delaware
Application April 30, 1949, Serial No. 90,732
5 Claims. (Cl. 122—33)



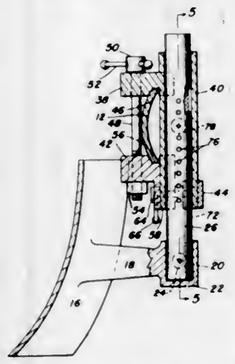
2. A heater including an elongated shell having open ends, removable closure plates for closing said ends of the shell and forming with the shell a closed heat-transfer-liquid-containing space, a heating unit carried substantially centrally of the shell by one of the closure plates and adapted to be inserted and withdrawn through the end closed by said one closure plate, a cylindrical tube bundle adapted to be inserted into the shell through the other end in coaxial relation with the shell and in encircling relation with the heating unit, means for filling said space with the heat transfer liquid for providing a common heat transfer medium between the heating unit and the tube bundle, said heating unit consisting of a pair of U-shaped ducts having ends extending through said carrying plate, a breeching connecting one end of each duct, and burners disposed in the other end of each duct.

2,582,135
IMAGE TRANSMISSION SYSTEM
Derk Kleis and Martinus van Tol, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 3, 1948, Serial No. 12,825
In the Netherlands March 6, 1947
6 Claims. (Cl. 179—171)



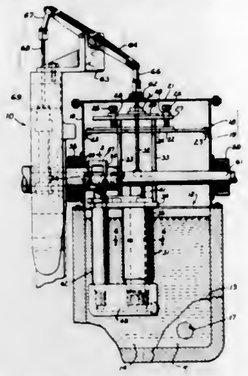
5. An image transmission system for a signal voltage having periodically recurring impulse components, comprising a first electron discharge tube system having a cathode, a control grid and an anode, a first resistor element connected to said anode, a second resistor element connected to said cathode, means to apply said signal voltage to said control grid and to said cathode through said second resistor element, a unidirectional current conducting element having two electrodes, a first capacitor interconnecting one of said electrodes to the said anode, a second capacitor interconnecting the other of said electrodes to said cathode, third and fourth resistor elements connected in series and having their free ends connected to the electrodes of the said unidirectional conducting element, means to apply a fixed potential to the junction of said third and fourth resistors, and an output electron discharge tube having a control grid connected to one of said free ends of said third and fourth resistors, the values of said third and fourth resistors being in a ratio inversely to the ratio of the values of said first and second capacitors.

2,582,136
SNOWPLOW
John S. Koblas, Minneapolis, Minn.
Application June 12, 1947, Serial No. 754,204
2 Claims. (Cl. 37—42)



1. Means for attachment of a snow plow blade to an automobile bumper, comprising a blade-carrying arm, a substantially vertical shaft removably secured to said arm, and an attaching bracket for said shaft comprising a vertical bearing having a spring biased plunger mounted transversely thereon, said shaft having a plurality of vertically spaced apertures for selectively receiving said plunger, said bearing comprising a sleeve, a bumper-engaging top plate secured to said sleeve, an opposing bumper-engaging lower plate, threaded elements mounted on said plates to move said plates toward and away from each other, a rear plate, and means to clamp the vertical sleeve bearing between the rear plate and the lower plate.

2,582,137
MEANS FOR AUTOMATICALLY TRANSFERRING AND METERING CHARGES OF MOLTEN METAL
Albert S. Kux, Chicago, Ill., assignor to Kux Machine Co., Chicago, Ill., a corporation of Illinois
Application December 6, 1948, Serial No. 63,808
7 Claims. (Cl. 22—79)



1. In a die casting machine of the type having a receptacle containing molten metal, an injection cylinder and means for conveying molten metal from said receptacle to said cylinder, said cylinder having a lateral opening in the wall thereof, a closure member for said opening, and retaining means on said cylinder for slidably supporting said closure member in a vertical plane, said closure member being adjustable vertically for varying the quantity of molten metal in said cylinder.

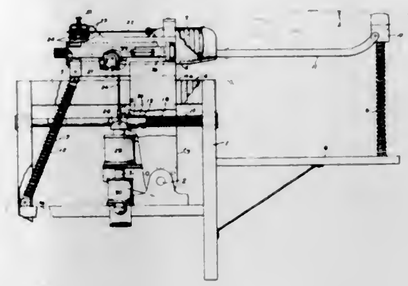
2,582,138
CORROSION INHIBITING COMPOSITION FOR STEAM SYSTEMS
Russell W. Lane, Riverside, and William H. Thompson, Downers Grove, Ill., assignors to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 19, 1947, Serial No. 755,732
6 Claims. (Cl. 252—180)

1. A corrosion inhibiting composition for steam systems comprising cyclohexylamine and morpholine in a weight ratio within the range from about 3:1 to about 1:7.

2,582,139
RESINOUS PRODUCTS OF THE REACTION OF STYRENE WITH RESINS DERIVED FROM BITUMINOUS COALS OF UTAH
Ernest D. Lee, Sparta, and Rupert J. Schefbauer, Jr., Hasbrouck Heights, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application July 8, 1949, Serial No. 103,754
12 Claims. (Cl. 260—23)

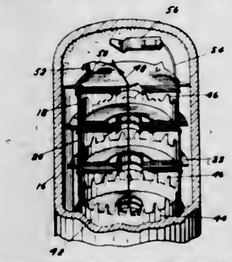
1. A process for improving the properties of the hydrocarbon resins derived from bituminous coals of Utah, consisting substantially of carbon and hydrogen, having an acid number about 6–8, and an iodine number about 100–130; which comprises heating 50 to 95 parts of the coal resin with 50 to 5 parts of styrene at 50° to 200° C., in the presence of catalytic amounts of an amphoteric metal halide catalyst.

2,582,140
SHOOTING REST
Wayne E. Leek, Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application November 4, 1949, Serial No. 125,553
12 Claims. (Cl. 73—167)



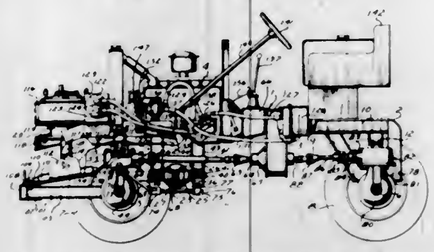
1. A shooting rest comprising a base; an inertia mass supported on said base for recoiling movement away from a normal position on said base; a member mounted on said mass and movable by recoil with respect to the mass along a path substantially coincident with the path of movement of said mass and away from a normal position on said mass; friction brake means engaged between the member and the mass resisting relative movement thereof; a resilient body engaged with said member; and means to flexibly support a gun for shooting with its buttstock in recoil force transmitting engagement only with the resilient body, whereby the force of recoil will be transmitted from the gun through said resilient body to said member and from said member through said friction brake means to said inertia mass.

2,582,141
SONIC TUBE
George H. Marmont, Chicago, Ill., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application September 16, 1946, Serial No. 697,325
13 Claims. (Cl. 313—303)



4. In a vacuum tube a sectionalized anode having interlocking parts and insulators locked between the parts.

2,582,142
FLUID POWER STEERING GEAR FOR SWINGING AXLES
Fred P. Martin, Topeka, Kans.
Application March 28, 1949, Serial No. 83,914
5 Claims. (Cl. 180—79.2)



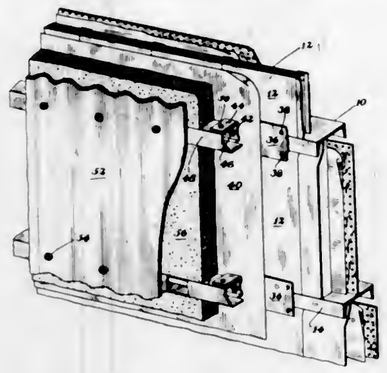
1. A power steering mechanism for turning an axle of a motor vehicle having a chasis and said axle mounted on the chassis in spaced relation thereto for swinging and turning movement comprising, a gear reduction unit having a driving shaft and a vertically disposed driven shaft and mounted on the chassis with said driven shaft spaced from the axle mounting, telescoping means having one portion pivotally mounted on said driven shaft, means connecting the other portion of the telescoping means to the axle in spaced relation to the axle mounting, power means on the chassis and operatively connected to the driving shaft of the gear reduction unit for rotating the drive shaft thereof to swing the telescoping means and effect turning movement of the axle, and means on said chassis for controlling the direction and speed of operating of said power means.

2,582,143
CHILD'S PULL CART
Edmund W. Maas, Forest Park, Ill.
Application September 8, 1947, Serial No. 772,612
5 Claims. (Cl. 280—36)



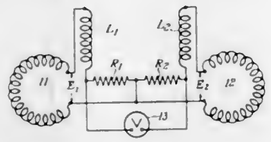
1. A folding conveyance for young children comprising an upwardly and forwardly extending supporting arm, a platform base adapted to support a standing child attached to the lower end of said arm, and a pair of wheels for supporting said base attached to the underside thereof and disposed below said base, said arm comprising a plurality of channeled sections hingedly connected together, one section being of a slightly larger size, the upper end of said section embracing the lower end of the adjacent section, the upper section resting inside the lower section when in a folded position.

2,582,144
WALL ASSEMBLY
William S. Miles, Hastings on Hudson, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application February 20, 1946, Serial No. 648,870
6 Claims. (Cl. 20—4)



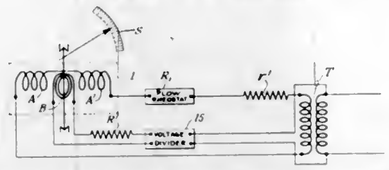
1. A wall assembly comprising a supporting structure including spaced, horizontal members, insulating panels resting on one of said members and inserted between and bridging the space between said member and the adjacent member, said panels having a facing sheet on the surface thereof exposed interiorly of the wall, supports carried by said members, exterior covering sheets carried by said supports and defining a space with said supports and panels, and insulating material in said space.

2,582,145
TRANSMISSION DYNAMOMETER
Charles R. Moore, Millburn, N. J., assignor to Marlow Pumps, Incorporated, Ridgewood, N. J., a corporation of New Jersey
Application July 18, 1947, Serial No. 761,864
4 Claims. (Cl. 73—136)



1. In a transmission dynamometer, in combination, a pair of sine wave generators, resilient mechanical coupling means between the generators, and electrical coupling means for the generators, said electrical coupling means including an inductive circuit in series with the terminals of each generator comprising an inductance and a resistance, said resistance having a negligible value relative to the value of said inductance, the inductance and resistance associated with each generator being further connected in series with each other as well as the generator terminals, and the generator terminals connected to the resistances in the inductive circuits being further interconnected with each other, whereby a reading of the combined voltage drop across the resistances in series is proportional to the angular deflection between the generators.

2,582,146
APPARATUS FOR MEASURING WATER POWER
Charles R. Moore, Millburn, N. J., assignor to Marlow Pumps, Incorporated, Ridgewood, N. J., a corporation of New Jersey
Application November 22, 1947, Serial No. 787,526
2 Claims. (Cl. 73—133)



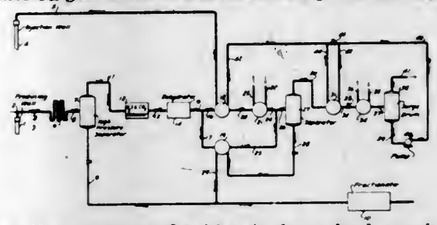
1. In a measuring instrument for obtaining direct readings of water horsepower, in combination, an electric watt-meter element including a stationary coil and a movable coil in mutual co-acting relationship, a dial indicator to measure deflection between the stationary coil and the movable coil, an electrical circuit for the stationary coil, a second electrical circuit for the movable coil, a variable resistance flow rheostat in the first circuit to control current in the stationary coil proportional to the flow of liquid in a conduit, hydraulic cylinder and piston means adapted to a pumping system to effect translatory movement proportional to the combined delivery plus suction head in the system, and a voltage divider in the electrical circuit of the movable coil driven by said hydraulic cylinder and piston means to vary the voltage in the circuit, whereby net magnetic effect introduced in the coils may be converted to relative positioning of the coils to give direct indications of water horsepower on the dial indicator.

2,582,147
SULFONAMIDE COMPOSITION
Kermit L. Mourer and Lewis E. Harris, Lincoln, Nebr., assignors to Norden Laboratories, Lincoln, Nebr., a corporation of Nebraska
No Drawing. Application April 10, 1948, Serial No. 20,374
12 Claims. (Cl. 167—51.5)

1. An aqueous therapeutic solution for parenteral injection characterized by stability over a long storage period consisting of a sulfonamide aldoside of the sulfa drug class normally incapable of stability individually in solution throughout said storage period in combination with a relatively stable sulfonamide aldoside of the sulfa drug class.

2,582,148
METHOD OF RECOVERING DESIRABLE LIQUEFIABLE HYDROCARBONS
Henry Meredith Nelly, Jr., Houston, Tex., assignor to J. F. Pritchard & Co., Kansas City, Mo., a corporation of Missouri
Application May 15, 1947, Serial No. 748,358
3 Claims. (Cl. 166—21)

3. The method of obtaining desirable liquefiable petroleum hydrocarbon from a producing formation including flowing the gas under pressure from the formation, cooling the gase at substantially the pressure of the flow from said formation to strip the gas by condensation of the desirable liquefiable hydrocarbons, removing the condensate from the stripped gas, expanding the stripped gas to a substantially lower pressure, refrigerating the stripped gas to effect liquefaction of the stripped gas and pumping the stripped liquefied gas to the formation at a pressure higher



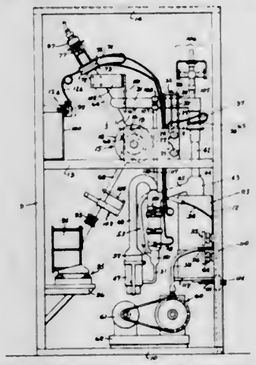
than the pressure of said petroleum hydrocarbons in the formation.

2,582,149
MANIFOLDING PAPER
Douglas A. Newman, Port Washington, N. Y., assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y., a corporation of New York
Application June 27, 1945, Serial No. 601,750
4 Claims. (Cl. 282—28)



1. A manifolding record member having predetermined duplicating areas, comprising a flexible foundation sheet having a waxy coating on one surface extending to at least two opposite edges thereof, said coating as applied being of such hardness at temperatures of use as to be non-transferrable to another medium by normal writing pressure applied to the sheet, portions of the said coating having a plasticizing agent applied thereto and commingled therewith to produce in said portions sufficiently softer characteristics to be transferrable to another medium by normal writing pressures applied to the sheet.

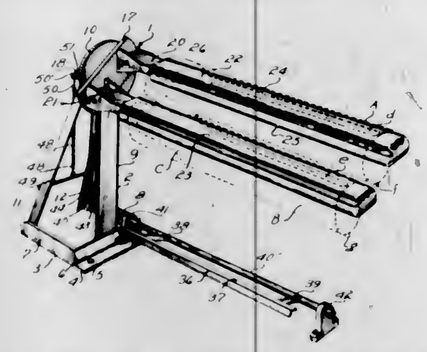
2,582,150
MASS SPECTROMETER APPARATUS
Alfred O. C. Nier, Minneapolis, Minn., assignor to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application April 2, 1951, Serial No. 218,712
13 Claims. (Cl. 250—41.9)



1. In a mass spectrometer having a gas sample inlet the improvement comprising a non-fractionating gas sampling device comprising a gas sample supply tube, a long capillary tube having

a gas passage completely therethrough connected to the mass spectrometer gas sample supply tube and to said spectrometer gas sample inlet, a constriction in the capillary tube located relatively closer to spectrometer gas sample inlet than to the gas sample supply tube, the size of the capillary tube and the degree of constriction thereof being such that the mass flow velocity of gases through the tube is greater than the back diffusion velocity of said gases at said constriction.

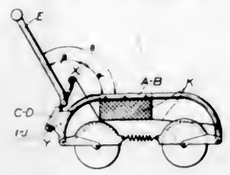
2,582,151
SEAM PRESSER
Norman V. Null and Hugh L. Thompson, Waco, Tex.
Application September 3, 1949, Serial No. 113,924
3 Claims. (Cl. 38—135)



1. A machine for pressing open inner and outer leg seams of a pair of trousers or similar garment including, a support, an oscillatory head, means for mounting the oscillatory head on the support for movement about a substantially horizontal axis of rotation, a pair of pressing bucks for sleeving thereover the respective leg portions of the trousers, each of said pressing bucks having pressing faces on opposite sides thereof adapted to back the respective outer and inner seams of said legs, means mounting the pressing bucks on said head in substantially spaced apart parallel relation with the pressing faces on common sides of the respective bucks located in spaced parallel planes on opposite sides of the axis of rotation of said head, and means for effecting oscillation of said head to bring simultaneously the common faces of the pair of pressing bucks alternately uppermost to first support an inner seam of one leg and the outer of the other leg and to support the outer seam of said one leg and the inner seam of said other leg in pressing position without removal of said garment.

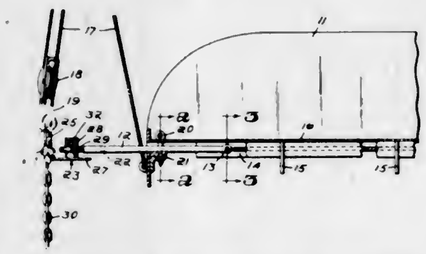
2,582,152
FOLDING DEVICE FOR CARRIAGES, APPLICABLE IN PARTICULAR TO PERAMBULATORS
Paul Ollagnon, Saint-Etienne, France
Application February 5, 1948, Serial No. 6,524
In France October 9, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires October 9, 1966
6 Claims. (Cl. 280—42)

1. A foldable carriage comprising two independent laterally spaced vertical panels, individual wheels supporting each panel substantially in the vertical plane thereof, a single centrally disposed control handle located obliquely with reference to horizontality in a vertical plane at equal distances from the two vertical panels and a pivotal connection between each panel and the handle on which said panel is adapted to swing between two positions parallel to the handle round an axis lying in a vertical plane at equal distances



from the vertical plane of the corresponding panel and from the vertical plane passing through the handle, said axis lying in vertical projection along a line equiangularly disposed relatively to a horizontal line and to the direction of the handle.

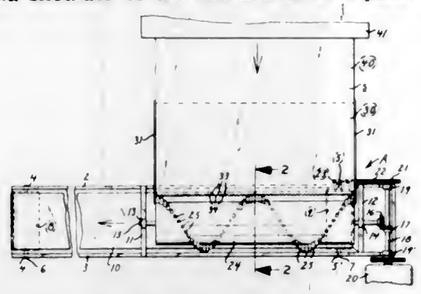
2,582,153
TOWING APPARATUS
Robert F. Ostrander, Woodbridge, Conn.
Application February 10, 1949, Serial No. 75,571
2 Claims. (Cl. 214—86)



1. In vehicle towing apparatus involving a crane-equipped tow car having a crane cable provided with a hook and a draw bar provided with a ring, a manually portable saddle bar comprising a rigid, elongate hollow tube having vertical and horizontal reinforcing fins extending longitudinally thereof, a coupling ring fixed to the vertical fin and adapted to receive the crane hook, a coupling post fixed on the horizontal fin and adapted to engage in the draw bar ring, and a chain passing through and slidable longitudinally of said tube so that the length of the respective ends of the chain may be adjusted in attaching said ends to the chassis of a disabled vehicle, to secure the saddle bar closely against one end thereof.

2,582,154
CUTTING MACHINE
Clarence A. Papendick, Normandy, Mo.
Application October 2, 1947, Serial No. 777,537
2 Claims. (Cl. 146—119)

1. A cube cutting machine comprising in combination, a smooth rotatable cylinder and elongated cutting teeth individually projecting radially from the cylinder in a spiral series extending as a discontinuous rib completely around the cylinder and said teeth being spaced circumferentially from each other so that only one tooth in said series is cutting at one time, each of said teeth having a stepped outer surface with a broad shoulder on one side of the tooth and a narrow shoulder on the opposite side of the tooth lengthwise of the cylinder whereby the broad shoulder of one tooth follows a path ad-



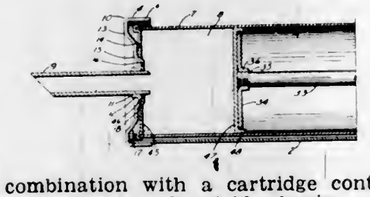
jacent the path of the narrow shoulder of the next tooth in said series.

2,582,155
MATCH BOOK DISPENSER
Walfred L. Pedersen, Minneapolis, Minn.
Application January 18, 1950, Serial No. 139,152
1 Claim. (Cl. 312—42)



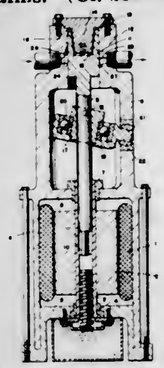
A dispensing device for items arranged in two rows in a carton which comprises a casing having a discharge opening in the bottom portion thereof, a retainer member adapted to hold the carton in the casing, and means for locking the retainer member in the casing, said retainer member comprising a base plate adapted to support the carton with the rows extending vertically so that the items are in stacked relation, and a partition blade extending vertically upward from the base plate and between the rows for dividing the carton into separate compartments for each stack, the said retainer member being removable from the casing.

2,582,156
DISPENSING APPARATUS AND CARTRIDGE THEREFOR
Wilbur P. Peterson, Independence, Mo.
Application March 20, 1948, Serial No. 15,982
1 Claim. (Cl. 222—327)



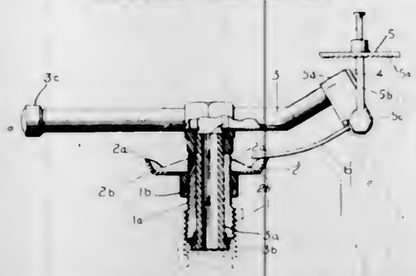
In combination with a cartridge containing caulking material, said cartridge having an elongated tubular body, a flanged end member closing one end of the tubular body with the flange engaging the inner surface of the tubular body and adapted to be slid therein substantially the entire length thereof as a piston for ejecting the caulking material from the tubular body, an end member of formable material fixed at the other end of the tubular body for closing same, said end member having an opening substantially centrally thereof, a dispensing apparatus having a semi-cylindrical member forming a trough which is longer than the tubular body of the cartridge and of suitable diameter to receive said tubular body therein, head members having inturned peripheral flanges rigidly fixed to the respective ends of the semi-cylindrical member, a rod extending through one of the heads, a disk fixed on the end of the rod for engaging the flanged end member of the cartridge, means for moving the rod for forcing the flanged end member toward the other end of the cartridge, a tubular spout axially of the other head and having a portion adapted to extend into and substantially engage the edges of the opening in the end member of the cartridge, a plurality of offset parallel plane surfaces connected by outwardly sloping portions and forming annuli on the inner face of said head concentric with the spout whereby pressure applied by the rod on the flanged end member and contents of the cartridge effects engagement of the formable end member with said annuli and deforms said end member to conform to the shape of the annuli and effect a seal with the head and further movement of the rod forces caulking material from the spout.

2,582,157
COMPRESSOR
Daniel Pica, Chicago, Ill., assignor of one-half to Frank Kemptner, Silver Lake, Wis.
Application September 17, 1949, Serial No. 116,270
3 Claims. (Cl. 230—173)



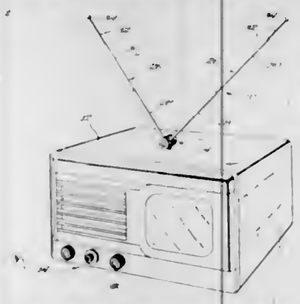
1. A compressor, comprising a cylinder, a piston therein, driving mechanism operatively connected to said piston for rotating and simultaneously reciprocating said piston axially within said cylinder, a head on one end of said cylinder, a plunger on said head, said piston having a chamber formed therein to receive and coact with said plunger for compressing a gaseous medium, a port in said piston leading transversely outward from said chamber adjacent the end of said chamber that is distant from said cylinder head, an outlet port in said cylinder positioned to register with said piston port when said piston is near the end of its compression stroke, and an inlet port in said cylinder positioned to register with said piston port during the suction stroke of said piston.

2,582,158
SPRINKLING DEVICE
James T. Porter, La Mesa, Calif.
Application June 26, 1945, Serial No. 601,663
5 Claims. (Cl. 299—69)



1. In a sprinkling device, a hollow revolubly mounted traversing arm having a nozzle at one end thereof, a distributing wheel revolubly mounted and having its periphery in alignment with the axis of said nozzle, a shaft for said distributing wheel freely pivotally mounted in connection with said traversing arm, a rotatably and vertically adjustable cam member stationarily mounted relatively to said traversing arm and a lever in connection with said shaft and in engagement with said cam for tilting said distributor wheel relatively to the axis of said nozzle.

2,582,159
UNIVERSALLY ADJUSTABLE ANTENNA
William J. Race, Franklin Park, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application April 20, 1949, Serial No. 88,533
8 Claims. (Cl. 250—33)

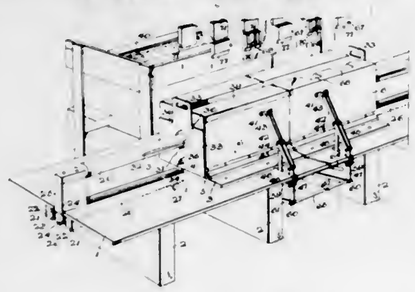


1. An adjustable dipole antenna comprising a stationary insulating member, a pair of rotatable metallic hub members respectively disposed on opposite sides of said insulating member, a spindle supported by said insulating member and extending at opposite ends thereof into said hub members, said hub members being rotatable about said spindle as an axis, means electrically connecting said spindle to one of said hub members, means insulating said spindle from the other of said hub members, a stationary spring contact member supported by said insulating member and engaging said other hub member, a pair of extensible antenna arms respectively connected to said hub members, each of said arms comprising telescoped metallic members slidable relative to each other and spring contact means interposed between said members, and rigid electrical conductors secured to said stationary insulating member and respectively connected electrically to said spring contact member and to said spindle.

2,582,160
BUTADIENE-ACRYLONITRILE COPOLYMER COMPOSITION CONTAINING A RESIN OCCURING IN UTAH RESIN BEARING COAL
Lino J. Radi, Somerville, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application October 20, 1948, Serial No. 55,644
6 Claims. (Cl. 260—27)

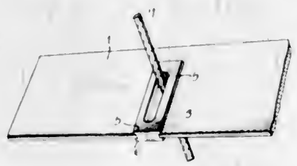
1. In the method of compounding a butadiene-acrylonitrile rubbery copolymer, the steps of incorporating with such a copolymer 5 to 60%, based on the weight of the copolymer, of a resin consisting essentially of carbon and hydrogen, having an average molecular weight on the order of 1000 and a refractive index of 1.544 and occurring in Utah resin-bearing coals, and milling the mixture to obtain a rubber compound.

2,582,161
CONCRETE MOLDING MACHINE
Norman Bigelow Randall, Tacoma, Wash., assignor to R. C. Draughon and Norman B. Randall, both of Tacoma, Wash., as trustees
Application March 31, 1949, Serial No. 84,663
12 Claims. (Cl. 25—41)



1. Apparatus of the class described comprising a pallet, end mold members connected to the ends of the pallet, side mold members extending between said end mold members and having their lower edges connected to the sides of the pallet, the portions of said side members above their lower edges being oscillatable toward and away from each other, oscillating side supports engaging and oscillating said side mold members, said side supports being withdrawable laterally whereby the pallet and side and end mold members may be removed from the apparatus.

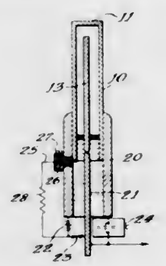
2,582,162
VENETIAN BLIND
Charles S. Ray, Portland, Oreg., and Carl W. Wrenn, Vancouver, Wash.
Application June 21, 1947, Serial No. 756,210
1 Claim. (Cl. 160—173)



In a blind having a plurality of slats slidably and swingably mounted on suspending cords, each of said slats having a plurality of transverse

slots cut inwardly from one longitudinal edge of the slat, a cord embracing element adapted for frictional engagement with the slat, said element comprising an elongated strip of material of greater width than that of the slot and having two spaced apart elongated apertures formed therein, said strip of material adapted to be folded over on itself into gripping engagement with both sides of the slat about the marginal edges of the slot and to bring said apertures into alignment with each other as a single opening for the passage of said suspending cord therethrough.

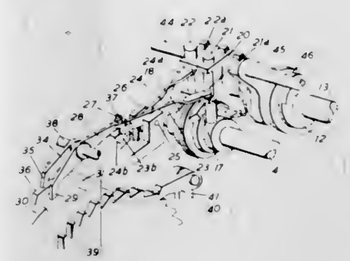
2,582,163
ELECTROMETER FOR POCKET CHAMBERS
Theodore A. Rich and John E. Bigelow, Schenectady, N. Y., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission
Application June 7, 1949, Serial No. 97,657
5 Claims. (Cl. 313—93)



1. A charging socket for a pocket ionization chamber of the type including an outer cylindrical electrode and an inner coaxial rod electrode, said socket comprising a cylindrical socket element adapted to electrically contact the outer cylindrical electrode of said chamber when said chamber is inserted therein, an inner rod-like coaxial socket element adapted to electrically contact said inner rod electrode when said chamber is inserted therein, a third rod-like element extending in insulated relation through the wall of said cylindrical socket element in proximity to the end of said inner coaxial element, an external source of voltage whose positive and negative terminals are adapted to be connected through electrical switch means to the respective cylindrical element and inner coaxial element of the charging socket, said third element being connected to normally have the same potential as said inner coaxial element, and said third element further being positioned to contact the outer electrode of said chamber when said chamber is inserted in the charging socket to thus connect said third element to the potential of said outer cylindrical element.

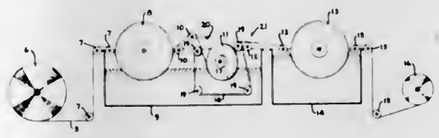
2,582,164
CLUTCH MECHANISM FOR CIRCULAR KNITTING MACHINES
Colin Vincent Roper, Leicester, England, assignor to G. Stibbe & Co. Limited, Leicester, England, a British company
Application December 19, 1950, Serial No. 201,531
In Great Britain December 20, 1949
9 Claims. (Cl. 66—56)

1. In a circular knitting machine, in combination, a main shaft, a cylinder drive shaft, a gear freely mounted on the said cylinder drive shaft and continuously rotatable from the said main shaft, the said gear having clutch formations, a pinion also having clutch formations and freely mounted on the cylinder drive shaft, a toothed quadrant arranged in mesh with the said pinion and adapted to be continuously oscillated from the main shaft, a clutch part which is feathered upon the cylinder drive shaft and has clutch formations at opposite ends thereof, the said part being slidable axially in either direction relatively to the drive shaft between one position in which the clutch formations at the appropriate end of the clutch part operatively engage the clutch



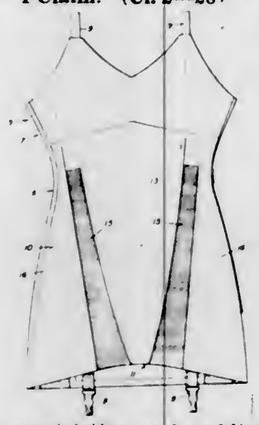
formations of the continuously rotating gear and another position in which the clutch formations at the opposite end of the clutch part operatively engage the clutch formations of the oscillating quadrant pinion, a rotary cam shaft separate from the cylinder drive shaft and driven from the main shaft, two cams on the said cam shaft for effecting required axial movements of the clutch part from one position to the other, two members which are selectively movable into and out of the path of the respective cams, means for controlling the movements of the said members, and means connecting these members with the aforesaid clutch part.

2,582,165
EXPANSIBLE TUBE TENSILIZING APPARATUS
Harry Rosenfeld, Brooklyn, N. Y., assignor to Milprint, Inc., Milwaukee, Wis., a corporation of Delaware
Application April 5, 1950, Serial No. 154,052
2 Claims. (Cl. 18—19)



1. An expansible tube tensilizing apparatus comprising, a pair of drums rotatable about spaced horizontal axes, one of said drums being partially immersed in a heated liquid bath and the other of said drums being partially immersed in a cool liquid bath, means for longitudinally advancing a continuous flattened tube of expansible material from said one drum to the other, and a pair of angularly disposed revolvable disks located between said drums and adapted to coact with the opposite edges of said flattened tube to laterally spread said tube as it advances, said disks being likewise partially immersed in the same heated liquid bath as said one drum.

2,582,166
FORM CONSTRICTING AND MOLDING GARMENT
Irving Rosner, New York, N. Y., assignor to Even-Pul Foundations, Inc., New York, N. Y., a corporation of New York
Application April 18, 1949, Serial No. 88,192
1 Claim. (Cl. 2—28)



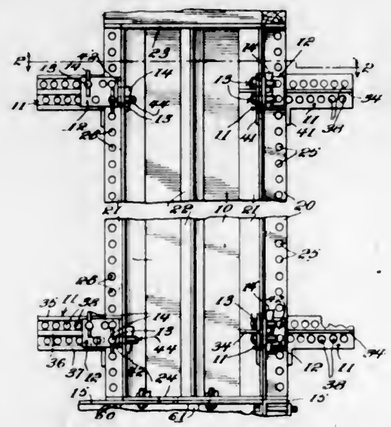
In a form constricting and molding garment, a front central panel comprising an inner layer and an outer layer superposed thereon, side edges of the two layers being stitched together, said outer layer comprising a central inelastic member having downwardly convergent lateral edges, a pair of relatively narrow elastic strips disposed in downwardly convergent relation and secured to the respective lateral edges of said central member, and a pair of inelastic side members having downwardly convergent inner side edges secured to the respective elastic strips, said inner layer comprising a central inelastic member having downwardly divergent lateral edges, a pair of relatively narrow elastic strips disposed in downwardly divergent relation and secured to the respective lateral edges of the last mentioned central member, and a pair of inelastic side members having downwardly divergent inner side edges secured to the last mentioned respective elastic strips, the upper edges of the central members of the layers being stitched together, and the elastic strips of the inner layer extending obliquely across upper portions of the respective elastic strips of the outer layer, whereby lower portions of the strips of the outer layer overlie lower portions of the central member of the inner layer.

2,582,167
SAFETY LATCH FOR AUTOMOBILE DOORS
Leonard Santosuosso, Revere, Mass.
Application November 27, 1948, Serial No. 62,262
6 Claims. (Cl. 292—34)



1. In an automobile having front and rear doors in alignment longitudinally of the vehicle, a forwardly and rearwardly movable latch adapted to hold the rear door closed when the latch is in its rearmost position, a spring normally moving the latch rearwardly to door latching position, an outwardly facing hook connected to the latch at the rear margin of the front door opening, and latch releasing mechanism carried by the front door and including an inwardly facing hook disposed to interlock with the first named hook when the front door is closed, said interlocking hooks providing a connection between said mechanism and the latch for moving the latch forwardly to released position by said mechanism when the front door is in closed position.

2,582,168
ADJUSTABLE COLUMN FORM
Takeo Sato, Honolulu, Territory of Hawaii
Application June 14, 1948, Serial No. 32,971
8 Claims. (Cl. 25—131)



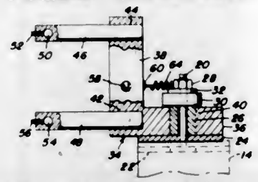
1. An adjustable form for concrete columns comprising a plurality of side plates having permanently attached angles on the side edges and flanges at the ends with spaced holes in outstanding legs of the angles and also in the flanges at the ends, removable attaching bars positioned in holes in the outstanding legs of the angles and having openings therein, holding plates with flanged ends positioned against the attaching bars and outstanding legs of angles of adjoining side plates, and studs with keys therethrough clamping the side plates together through the said attaching bars and holding plates.

2,582,169
SELVAGE EDGE CONSTRUCTION IN WOVEN ELASTIC FABRIC
Anthony Schiappa, Pawtucket, R. I., assignor to Moore Fabric Company, Pawtucket, R. I., a corporation of Rhode Island
Application April 3, 1950, Serial No. 153,703
3 Claims. (Cl. 139—421)



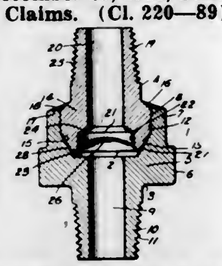
1. A woven elastic fabric having a selvage portion comprising filling threads and a plurality of covered-rubber selvage warp threads only, each rubber selvage warp thread being gripped by the filling threads and by the associated rubber selvage warp threads and being under substantial tension in the finished fabric, and said selvage portion being tubular and with upper and lower fabric layers.

2,582,170
DUPLICATING ATTACHMENT FOR CONTOUR SHAPING MACHINES
Einar B. Schon, Sun Prairie, Wis.
Application December 22, 1949, Serial No. 134,497
3 Claims. (Cl. 90—13.4)



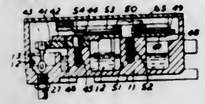
1. A duplicating attachment for contour shaping machines, comprising a fulcrum element, a substantially L-shaped support having a first arm rotatable on said element and a second arm provided with a pair of spaced parallel bores, a pair of holding members each positioned in one of said bores and projecting laterally from the second arm of said support, a tracer carried by one of said holding members, a cutter carried by the other holding member, a tensioning limb secured to said fulcrum element, a coacting bar provided on the second arm of said support, a tension spring extending from said bar to said limb for urging said tracer and said cutter respectively in engagement with a template and a piece of work, said tensioning limb being provided with a stop engageable by the first arm of said support to restrict the extent of rotation of the support on said fulcrum element.

2,582,171
SAFETY DEVICE
Roy L. Simpson, North Kansas City, Mo., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo., a corporation of Delaware
Application December 29, 1945, Serial No. 638,200
3 Claims. (Cl. 220—89)



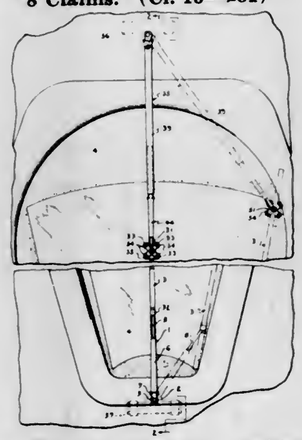
1. A safety unit including a socket member having a flow opening encircled by an outwardly tapering gripping face and having an inner cylindrical face concentric with the gripping face, a rupture member having a dome portion covering the flow opening and having an outwardly flaring flange portion seating on said tapering gripping face and joining with the dome portion in a rounding curve to provide an annular groove on the flange side of said rupture member, a plug member having a coaxial flow opening encircled by an annular rim portion closely engaging in said annular groove and having a tapering periphery conforming to the taper of the socket for seating the flange of the rupture member against the gripping face of the socket member when the rim portion is snug in said groove, said plug member having an annular body portion located within said socket member and directly engaging the cylindrical face of the socket member and forming an inwardly extending shoulder adjacent a surrounding rim of the socket member, and means on said rim of the socket member and extending over the shoulder to close the joint between the socket and plug members.

2,582,172
LUBRICATING ARRANGEMENT FOR MACHINES AND MECHANISMS
Bert Smith, Leicester, England, assignor to G. Stibbe & Co. Limited, Leicester, England, a British company
Application June 3, 1948, Serial No. 30,824
In Great Britain July 5, 1947
6 Claims. (Cl. 184—63)



1. A lubricating mechanism comprising in combination, a container for a supply of lubricant, an element rotatable about a vertical axis, means to impart intermittent movement to the rotatable element, a spoon pivoted to the edge of the rotatable element with the pivotal axis radial to the axis of the rotatable element and depending from the rotatable element, receivers for the lubricant located in the path of movement of the spoon, the arrangement being such that rotation of the rotatable element will cause the spoon alternately to dip into the container taking a measure of lubricant therefrom, and thereafter depositing the measure into a receiver, the said spoon after serving one receiver dipping into the lubricant again before serving the next receiver, and means for transmitting lubricant from the receivers to the required points in a machine.

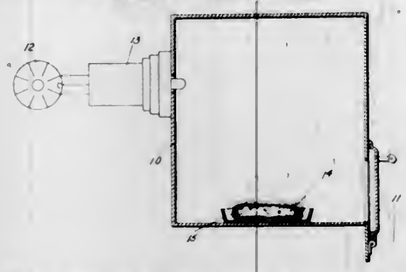
2,582,173
WIPER ARM APPARATUS
Theodore J. Smulski, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana
Application January 5, 1946, Serial No. 639,385
8 Claims. (Cl. 15—251)



3. In a windshield wiper, the combination with a wiper blade and an oscillatory operating arm pivotally connected thereto, of a movement modifying arm pivotally mounted at a point removed from the oscillatory axis of the operating arm, and said modifying arm including rollers for embracing a portion of the wiper blade and main-

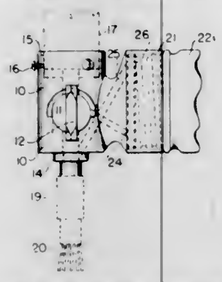
taining rolling engagement therewith, said rollers also being arranged so that their axes are disposed substantially perpendicular to the path of movement of the blade.

2,582,174
ELECTRONIC COOKING
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 22, 1949, Serial No. 123,025
6 Claims. (Cl. 99—221)



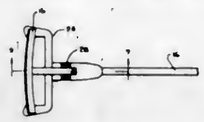
1. The method of producing a toasted surface on a food body comprising coating the surface of said body with an edible substance which absorbs microwave energy more readily than said body, and subjecting said body to microwave energy for a sufficient length of time to toast said coating.

2,582,175
SOAP SALVAGER AND SOAPER
Harry Stitz and Morris Morgenstern, New York, N. Y.; said Morgenstern assignor to said Stitz
Application March 26, 1949, Serial No. 83,650
1 Claim. (Cl. 299—84)



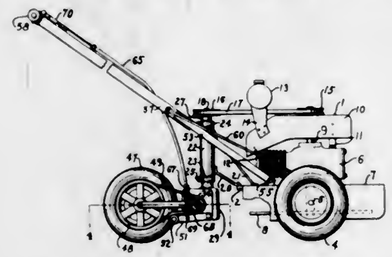
An attachment for water faucets comprising a body having a collar portion for securement to the faucet, set screws circumferentially spaced about the collar portion and engageable with the faucet to hold the body thereon against downward displacement therefrom, a washer lying within the collar portion to prevent leakage between the end of the faucet and the body, said body having a downwardly-extending central passage and a transversely-extending opening traversing the central passage, an extension projecting from one side of the body having an internally threaded flange, a soap container threaded in the flange and extending laterally therefrom, a plug valve element rotatable in the transversely-extending opening and having a three-way opening, a knob on the valve element aligned with the long portion of the three-way opening and adapted to give indication of the water flow through the attachment, said body and extension having a passage extending from the upper part of the extension to the lower end of the central passage of the body and another passage running from the transversely-extending opening to the lower part of the extension, both of said passages being in communication with the soap container and a screen in the extension for holding back soap in the container.

2,582,176
SAFETY RAZOR
Roy L. Stover, Wichita, Kans.
Application September 2, 1949, Serial No. 113,697
5 Claims. (Cl. 30—49)



1. A safety razor including a blade backing plate and a rearwardly offset integral blade guard spaced from the blade backing surface of the plate by an elongated through slot, both the plate proper and its integral guard being permanently arced about a center transverse to the length of the plate; a blade clamp movable fore and aft with relation to the blade backing plate and adapted to engage the opposite ends of a blade to support it independent of said plate, and to move it into and out of contact with said plate; a thumb operated lever operatively engaging said clamp for effecting such movement; and a handle rigidly connected to said plate and on which both the clamp and lever are movably mounted.

2,582,177
POWERED CASTER WHEEL FOR VEHICLES
Max B. Swisher, Leeton, and Guy L. Boothe, Kansas City, Mo.
Application June 4, 1948, Serial No. 31,078
3 Claims. (Cl. 180—19)



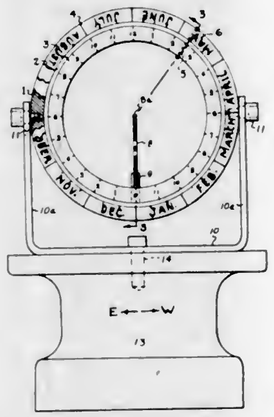
2. A device of the character described comprising a frame, wheels for supporting the frame, a motor mounted on the frame, a cylindrical bearing housing rearwardly of said frame, means for mounting the housing vertically of said frame, a housing formed integrally with the lower end of the vertical housing, a shaft extending through the vertical housing and into the housing in the lower end thereof, a horizontal shaft in said lower housing, a worm gear on the lower end of the vertical shaft, a gear on the horizontal shaft meshing with the worm gear for rotating said last named shaft, bracket arms secured to said lower housing, an axle carried by the rear ends of said arms, a caster wheel on said axle, means connected with the motor and said vertical shaft for driving said vertical shaft, a pulley carried by the horizontal shaft, a pulley on said axle, a belt engaging said pulleys for driving said caster wheel, and means for disengaging said belt from driving relation with the caster wheel.

2,582,178
GARMENT CONVEYER
Hugh L. Thompson, Waco, Tex.
Application June 10, 1946, Serial No. 675,516
5 Claims. (Cl. 198—19)



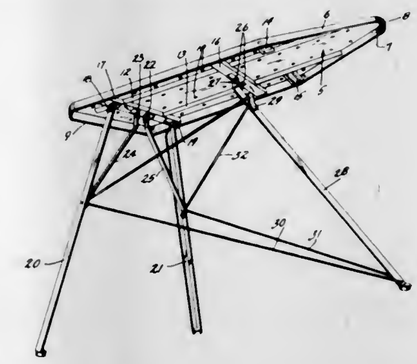
5. An apparatus for carrying parts of a garment to a plurality of work performing stations including laterally spaced wheels disposed in a substantially horizontal plane, standards for supporting the wheels to rotate about vertical axes, an endless cable extending around the wheels to provide a longitudinal run of said cable adapted for operating along the series of stations, workpiece supporting clips, rings connected with said clips and loosely and completely encircling said cable for frictionally engaging the cable under weight of the workpieces to carry the workpieces with movement of the cable, said connections being flexible to permit turning of the workpieces about in various directions while the workpieces are detained at the stations and the cable passes freely through the rings, means for rotating one of said wheels, said supports including telescoping sections to adjust height of the cable, and means interconnecting said sections to support the sections in adjusted position.

2,582,179
SUNDIAL AND NOCTURNAL CELESTIAL TIMEPIECE
David Thomson, Flint, Mich.
Application May 26, 1949, Serial No. 95,431
2 Claims. (Cl. 33—61)



1. A combined sundial and celestial timepiece comprising a dial holder having front and rear faces and formed with a substantially central aperture intersecting said faces, a dial ring rotatively adjustable on the holder, substantially about the axis of said aperture and graduated in angular units of 15 degrees centered at said axis and representing hours, a calendar ring mounted on the holder coaxially with the dial ring and rotatively adjustable on the holder about said axis, and carrying angular graduations centered at said axis, and representing a year as 360 degrees, and comprising units representing the months of the year in an arcuate series, means for independently holding said rings in selective positions of their specified rotative adjustments, a gnomon fixedly carried by the holder and projecting into said aperture and having an edge substantially coinciding with said axis, and a support for the holder affording it an angular adjustment for latitude correction about a substantially horizontal axis substantially transverse to the vertical plane determined by said edge of the gnomon, and means for securing the holder in selective positions of its specified adjustment.

2,582,180
IRONING TABLE HAVING FOLDING SUPPORTS
Christ Tonn, Minneapolis, and Frank B. Pine, St. Paul, Minn., assignors to H. V. Keller Manufacturing Co., Minneapolis, Minn., a corporation of Minnesota
Application September 11, 1950, Serial No. 184,260
1 Claim. (Cl. 38—117)



A folding ironing table comprising a flat elongated panel, a pair of rear legs under said panel spaced from each other transversely of the panel and pivotally mounted at upper ends adjacent one end of the panel for swinging movement longitudinally thereof from a depending operative position upwardly to a folded position close to the panel, a front leg pivotally mounted under a medial portion of said panel forwardly of the said rear legs for swinging movement from a depending operative position upwardly and forwardly to a folded position, a keeper mounted upon the front surface of the front leg in downwardly spaced relation to the upper end thereof, said keeper having an upper portion spaced forwardly from the said leg and free at its upper end, and a brace having arms pivoted at rear ends to medial portions of the rear legs for vertical movement, front ends of said arms being connected by an integral bridge portion straddling the front leg and freely movable along the front leg from a position below the keeper when the legs are folded to a position above the keeper and in which the said bridge portion fits between the front face of the front leg and the said upper portion of the keeper and holds the legs in their lowered operative position.

2,582,181

FIREPROOFING COMPOSITIONS CONTAINING WATER-INSOLUBLE PHOSPHORYLAMIDES, AND ARTICLES FIREPROOFED THEREWITH

John Truhlar, Clarendon Hills, and Athan A. Pantsios, Chicago, Ill., assignors to Rudolf F. Hlavaty, Westchester, Ill.

No Drawing. Application March 25, 1949, Serial No. 83,514
11 Claims. (Cl. 260—29.2)

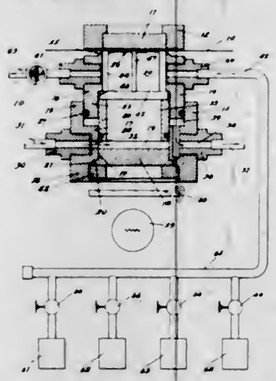
1. A fire proofing paint comprising 20–50% of the water insoluble reaction product of phosphorous oxychloride with anhydrous ammonia and 80–50% of normal paint ingredients including a pigment and a vehicle and a binder.

2,582,182

APPARATUS FOR RAPID PROCESSING OF FILM

Clifton M. Tuttle, Halesite, and Paris H. Stafford, Huntington, N. Y., assignors to Kenyon Instrument Company, Inc., Huntington, N. Y.

Application June 26, 1948, Serial No. 35,494
6 Claims. (Cl. 95—89)



1. Apparatus for rapid processing of exposed photographic film, comprising a member presenting a flat supporting surface to the film at one side, a member movable into and out of engagement with the opposite side of the film to hold it against said supporting surface during processing, said movable member comprising a cup-shaped part the peripheral rim of which engages the film and forms a fluid seal therewith around the area of film to be processed, spaced inlet and outlet connections in the side wall of said cup-shaped part, and a filler part within said cup-shaped part and spaced from its inner surface in the region of the inlet and outlet, said filler part having a transverse surface facing the said supporting surface at a level short of said rim to form with the film a shallow flow passage across the area of film to be processed, whereby processing fluids may be passed in sequence from inlet to outlet in a confined thin stream across said film area.

2,582,183

CUP OR GLASS-SUPPORTING PLATE

Walter Weidler, Milwaukee, Wis.

Application September 22, 1947, Serial No. 775,404
4 Claims. (Cl. 229—2.5)

1. The combination of a plate and integral support element formed from a single blank, said plate having a bottom, an upwardly and outwardly slanting marginal wall portion, a laterally extending horizontal rim portion, said support element being integrally connected with the horizontal rim portion and folded over and overlying and spaced from the bottom of the plate adjacent one side thereof, said support element having an opening for the reception of



at least the lower part of a cup, the upwardly and outwardly slanting wall having a portion disposed below one side of the opening for engaging and at least partially supporting the lower portion of a cup seated in said opening of the support element.

2,582,184

PINKING SHEARS

Henry C. Wheeler, Bridgeport, Conn., assignor to Acme Shear Company, Bridgeport, Conn.

Application November 4, 1948, Serial No. 58,169
4 Claims. (Cl. 30—271)



4. A pair of shears of the character described, including, in combination, a pair of blades pivotally mounted on a common pivot, said blades having blade portions extending forwardly of the pivot and spaced from each other laterally, interacting rows of pinking teeth on said blade portions, the innermost end of each row being spaced on the blade portion a distance forwardly of said pivot, the innermost tooth of one of said rows of pinking teeth being widened and in the path of movement of the innermost tooth of the other row of pinking teeth whereby opening of the shears to the extent of exposing the blade portions intermediate the inner ends of the rows of pinking and the pivot to access by material inserted between the blades for pinking is prevented and pinking of the material from its innermost inserted end is assured.

2,582,185

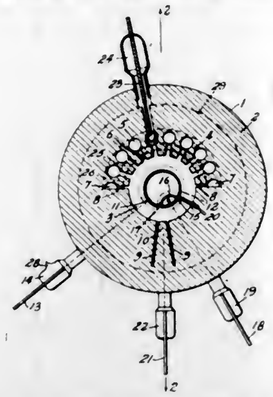
CAVITY RESONATOR MAGNETRON

William Ernest Willshaw, Kenton, England, assignor to The M-O Valve Company, Limited, London, England

Application August 6, 1947, Serial No. 766,756
In Great Britain May 17, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 17, 1966
6 Claims. (Cl. 315—39)

1. A magnetron device comprising an anode electrode and a parallel cathode electrode defining between them an ended electron orbit space, means for producing a stream of electrons originating at one end of said space and flowing along the space, means for receiving a high frequency input oscillation, means for density modulating said electron stream at said end of said space in accordance with the amplitude and frequency of the input oscillation, a plurality of resonant output circuits connected across slots formed in said anode electrode and spaced apart along said electron orbit space so that said circuits are excitable in succession by said density modulated stream of electrons and resonant as a whole at a

frequency $n f$, where n is an integral number and f is the frequency of said input oscillation, and



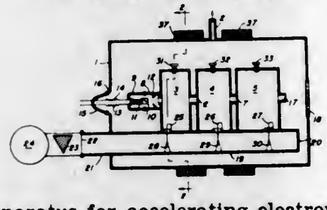
means for extracting the required output oscillation from said output circuits.

2,582,186

APPARATUS FOR ACCELERATING CHARGED PARTICLES, ESPECIALLY ELECTRONS, TO VERY HIGH-VELOCITY

William Ernest Willshaw, Kenton, England, assignor to The General Electric Company, Limited, London, England

Application August 6, 1947, Serial No. 766,757
In Great Britain November 14, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 14, 1965
7 Claims. (Cl. 315—6)



1. Apparatus for accelerating electrons to energy exceeding 1,000,000 electron volts, comprising an electron gun for producing a stream of electrons along an axis, a plurality of hollow resonators, each resonant at the same frequency, spaced along said axis and each disposed to produce when excited a high frequency alternating electric field having a component along said axis, a generator of high frequency energy for exciting said resonators, and a wave-guide for conveying said high frequency energy to said resonators, the distance apart along the wave-guide of the coupling points to said resonators being greater than the distance between the corresponding resonators along said axis for compensating for the excess of the phase velocity of the exciting energy along the wave-guide over the velocity of the electrons along said axis to produce progressive acceleration of the electrons.

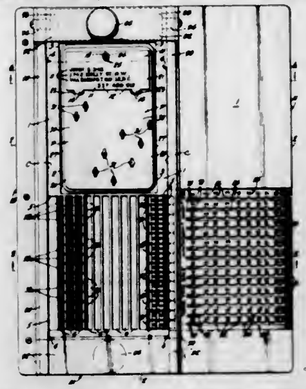
2,582,187

PRINTING MACHINE FOR DUPLICATING INDICIA

William H. Wolowitz, Washington, D. C.

Application August 5, 1949, Serial No. 108,700
8 Claims. (Cl. 101—90)

1. Apparatus comprising a bed area having a first portion, a substantially flat plate removably positioned in said first portion, said plate having printing indicia formed on its upper surface and arranged on said surface along a pattern conforming to a code having predetermined values, said bed area having a second portion adjacent said first portion, said second portion having selective indicia positioned therein settable to values corresponding to the pattern of the indicia on individual plates positioned in said first portion of the bed for any printing opera-



tion of the apparatus, means for selecting indicia in said second portion and setting the same along the pattern conforming to said predetermined values, and unitary impression means coacting with said plate and said selective indicia for simultaneously forming an impression on a sheet placed over said first and second portions in each operating cycle, whereby the sheet will have reproduced thereon characters from indicia at said first and second portions conforming to said predetermined values.

2,582,188

METHOD OF PREPARATION OF TOASTED NUT MEATS

Joseph A. Zaloom, Rutherford, N. J.

No Drawing. Application December 6, 1950, Serial No. 199,556
7 Claims. (Cl. 99—127)

1. The method of treating nut meats which comprises the following steps: tumbling the meats in a granular heat transmitting medium until the same are toasted, separating the meats from the granular medium, spraying upon the hot meats a thin surface coat of edible adhesive and while such adhesive is still moist, applying to the nut meats dry table salt in such amount as will adhere to the nut meats and become bonded thereto when the adhesive has dried.

2,582,189

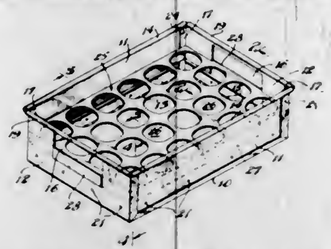
FOLDING METALLIC CASE

David Cohen and Ernest Schreiner, New York, N. Y.; said Schreiner assignor to said Cohen

Application May 14, 1949, Serial No. 93,334
2 Claims. (Cl. 220—6)

2. A folding metallic case for carrying bottles, comprising a rectangular bottom member, side walls hinged to the side edges of said member to fold inwardly thereon, end walls hinged to the end edges of the bottom member to fold flat outwardly thereof, said end members having hand holes and having inwardly extending flanges at their side edges which flanges have longitudinal slots for receiving the marginal edges of the side walls to

form the corners of the case when the walls are in erect position, registering openings through the flanges and marginal edges of the side walls, fasteners passing through said openings to secure the walls releasably in their erect position, and



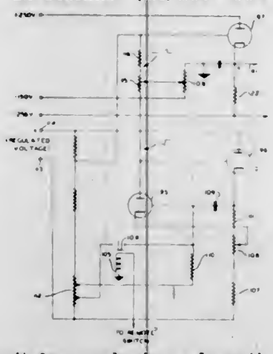
a bottle separator plate fitting in the case, said plate having means at its ends engaging over the lower edge of the hand holes so as to support the plate spaced above and substantially parallel to the bottom member.

2,582,190

SAW-TOOTH VOLTAGE GENERATOR

Dale R. Corson, Sandoval County, N. Mex., and Walter G. Pree, Westchester County, N. Y., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application July 6, 1945, Serial No. 603,426
11 Claims. (Cl. 250—36)



6. A circuit for producing a long time constant sweep voltage comprising, first and second electron tubes each having an anode, a cathode and a control grid, means directly connecting the anode of said first tube and the control grid of said second tube, a condenser connected between the control grid of said first tube and the cathode of said second tube, a cathode resistance connected between the cathodes of said first and second tubes, means for charging said condenser, and a discharge path for said condenser comprising a relatively high resistance connected between the grid of said first tube and the junction of said cathode resistance with the cathode of said first tube.

2,582,191

AMINO SALTS OF BORIC ACID-ALIPHATIC POLYHYDROXY CARBOXYLIC ACID CONDENSATION PRODUCT

David Curtis, New York, N. Y.

No Drawing. Application September 30, 1946, Serial No. 700,351
11 Claims. (Cl. 260—462)

1. A salt formed of an amino-aromatic base from the group consisting of alkyl and alkamine esters of an amino-aromatic acid with an addition product of boric acid with an aliphatic, mono-basic, non-substituted polyhydroxy carboxylic acid selected from the group consisting of gluconic acid, galactonic acid, gluco-heptonic acid, gulonic acid, arabonic acid, talonic acid, rhamno-heptonic acid, rhamnonic acid, mannonic aid and levulose-carboxylic acid; said polyhydroxy-carboxylic acid being present in the addition product in the proportion of at least one molar equivalent to one of boric acid.

2,582,192

DIESEL FUEL OIL

George H. Denison, Jr., San Rafael, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 13, 1948, Serial No. 38,553
5 Claims. (Cl. 44—57)

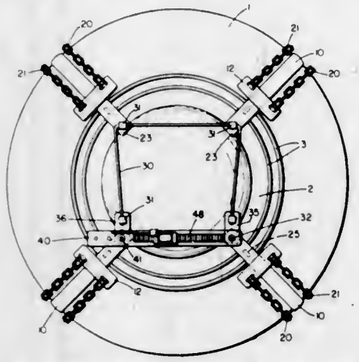
1. An improved diesel fuel oil containing essentially a major portion of a diesel fuel oil having a substantial gum-depositing characteristic and a minor portion sufficient to inhibit formation of gum of reduced petroleum nitrogen bases comprising a homologous mixture of heterocyclic secondary amines having a basic dissociation constant higher than 1.0×10^{-4} prepared by extracting a crude petroleum oil fraction containing nitrogen bases with a dilute mineral acid to form water-soluble salts of mixed nitrogen bases, separating the salts from the petroleum oil fraction, neutralizing the salts to convert them to crude nitrogen bases, hydrogenating the bases at an elevated temperature and pressure in the presence of a sulf-active hydrogenation catalyst to form reduced petroleum nitrogen bases.

2,582,193

QUICK-ATTACHING TRACTION DEVICE

Sidney M. Dowdell, Natick, and Italo L. Giovanella, Dover, Mass., assignors of one-third to Eva L. Salisbury, Madison, N. J., and D. C. Steele, Basking Ridge, N. J.

Application October 20, 1950, Serial No. 191,202
2 Claims. (Cl. 152—223)



1. An automobile tire traction apparatus of the kind described, constructed and arranged to be attached to a tire from one side only, comprising a plurality of hook-like members extending over the tread surface of the tire, said hook members having a longer arm to contact the outside of the tire, and a shorter arm in contact with the inner side of the tire, the members being arc-shaped widthwise, flexible means connecting the longer arms of said plurality of members, each hook having a cross-piece adjacent the end of the shorter arm and a corresponding cross-piece on the longer arm adjacent said flexible connecting means, traction elements attached to said cross-pieces at each side of each of said hook members, and being of greater thickness than said members constituting protection for the hook members from wear, said traction elements being free to move independently of the hook members, in combination with clamping means to automatically clamp all the hook members onto the tire tread and lock the same in clamped position, said clamping means comprising a pair of interlocking bars, one carrying a rack and the other a pinion engaging said rack, and means to rotate the pinion to tighten all the hooks simultaneously about the tire.

2,582,194

ANION EXCHANGE RESINS WHICH ARE POLYAMINE - POLYACRYLATE REACTION PRODUCTS

James R. Dudley, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application February 19, 1946, Serial No. 648,818
1 Claim. (Cl. 260—78)

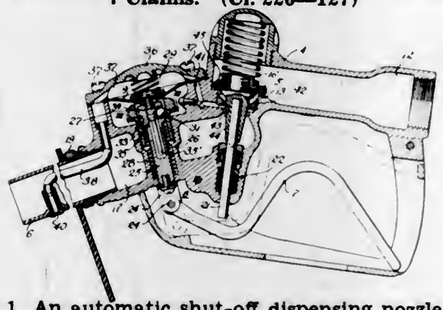
A process of preparing a granular, resinous material of such low water solubility that 1,000 parts of water will not dissolve more than one part of resinous material when passed through a bed of resinous material after the first cycle comprising an activation, exhaustion, and reactivation which includes the steps of heating in water solution a mixture of polymerized acrylic acid and tetraethylene pentamine in a molar ratio of 1.5:1 based on the acrylic acid content of the polymer until a viscous syrup is obtained, heating said viscous syrup at a temperature of 165–170° C. for a period about 15 hours to obtain a hard, brittle resin, and granulating said hard, brittle resin.

2,582,195

AUTOMATIC SHUTOFF DISPENSING NOZZLE VALVE

Leonard H. Duerr, Cincinnati, Ohio, assignor to OPW Corporation, Cincinnati, Ohio, a corporation of Ohio

Application March 8, 1950, Serial No. 148,356
7 Claims. (Cl. 226—127)



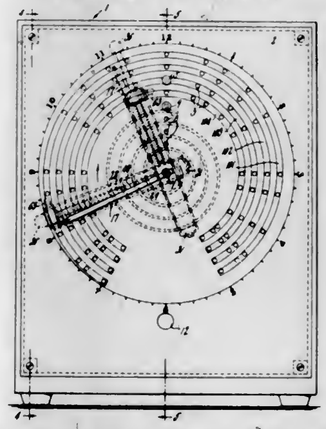
1. An automatic shut-off dispensing nozzle for fluids comprising a valve mechanism for controlling the flow of fluid through the nozzle, a diaphragm and a chamber associated therewith, said valve mechanism including a main valve having a valve opening on the discharge side thereof constricted in the direction of flow therethrough, said constricted passageway and said chamber being in communication with one another, an orifice disposed adjacent the discharge end of the nozzle, a tube leading from said orifice to said chamber whereby air is drawn from said orifice through the diaphragm chamber into said constricted passageway when fluid flows therethrough and said orifice is exposed, air being withdrawn from the diaphragm chamber when said orifice is submerged in the dispensed liquid, whereby a pressure differential acts on said diaphragm to deflect the same, a main spring constantly urging said valve to closed position, a plunger mounted to move toward and away from the diaphragm, a hand lever for operating the main valve, said hand lever having a fulcrum carried by said plunger, said plunger being movable between a fixed position in which the hand lever is adapted to open the main valve and a disengaged position in which the hand lever is rendered inoperative to open the main valve, said plunger having a plurality of radial openings, a stationary sleeve surrounding the plunger, said sleeve having a locking shoulder facing the plunger, the radial openings in the plunger being adapted to register with the locking shoulder when the plunger is in fixed position, a plurality of locking balls, one of said balls being disposed in each radial opening, said balls being adapted to engage said locking shoulder to lock the plunger in fixed position, said plunger having an axial opening in communication with the radial openings, a retainer pin attached to the diaphragm and slideable in said axial opening, said pin having a locking section adapted to engage said locking balls to hold said locking balls in engagement with said locking shoulder, and means urging the diaphragm and pin to ball engaging position, said diaphragm moving the pin out of ball engaging position in response to the development of pressure differential resulting when said orifice is submerged to release the balls from engagement with the locking shoulder, the valve spring being adapted to close the main valve and shift the plunger to disengaged position when the hand lever is raised and the balls are released.

2,582,196

TIME-MEASURING DEVICE

William Earl Duncan, Sea Cliff, N. Y.

Application April 5, 1948, Serial No. 19,047
20 Claims. (Cl. 161—6)



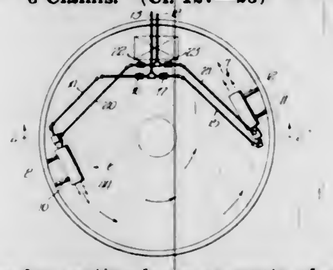
1. A time measuring device comprising a rotatable shaft, an indicating plate associated with the shaft, a track having concentric convolutions and associated with said plate, a rider arm rotatable with said shaft, a frame slidably mounted longitudinally of said rider arm, a lug extending from the frame and normally engag-

ing said track, projections external to the track and extending from said plate and engaging the path of said rider arm, and a sounding device actuated by contact between said rider arm and said projections, and a projection within said track for disengaging the lug from the track.

2,582,197
SOLVENT EXTRACTION PROCESS
Clark J. Egan, Piedmont, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 25, 1948, Serial No. 35,279
6 Claims. (Cl. 196—14.45)

1. The method of separating a petroleum distillate boiling in the boiling range of gasoline and kerosene and containing paraffinic, olefinic, naphthenic and aromatic hydrocarbons which comprises first extracting the distillate with a perfluorocarbon containing 3 to 12 carbon atoms to separate an extract comprising paraffins and olefins, and extracting the raffinate of the first extraction with a perfluorocarbon containing 3 to 12 carbon atoms to separate an extract comprising naphthenic hydrocarbons.

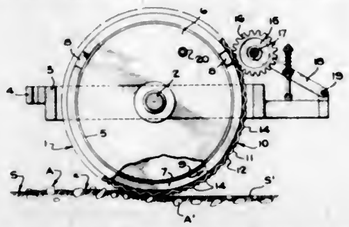
2,582,198
JET PASTING OF STARCH
Oliver R. Etheridge, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
Application March 3, 1949, Serial No. 79,463
8 Claims. (Cl. 127—28)



7. Means for pasting large amounts of starch, comprising in combination, a vertical tank and at least one jet pasting unit disposed in the bottom portion of said tank comprising a blending tube open at opposite ends, means for supporting said blending tube in a horizontal position adjacent the side wall of said tank with the longitudinal axis of said blending tube extending in a generally tangential direction with respect to said side wall, a pair of interfitting concentric nozzles coaxially aligned with said blending tube with the discharge openings thereof disposed adjacent one end of said tube, conduit inlet means for connecting the inner nozzle with a supply of steam, and conduit inlet means for connecting the outer nozzle with a supply of unpasted starch slurry.

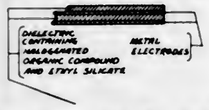
2,582,199
ROLLER-TYPE AGGREGATE COMPACTING DEVICE
Adryl W. Gardner, Redlands, and Russell W. Byrne, Glendale, Calif., assignors to Gardner-Byrne Construction Company Incorporated, Los Angeles, Calif., a corporation of California
Application January 24, 1947, Serial No. 723,940
16 Claims. (Cl. 94—50)

1. In a roller-type aggregate compacting device, the combination which comprises: grid means of hollow cylindrical configuration mounted for rotation about its axis, said means being provided with a plurality of spaced openings extending generally in a radial direction therethrough and distributed peripherally thereon in a symmetrical pattern, and solid elements extending between adjacent openings to define alternate outwardly disposed compacting surface portions and open-



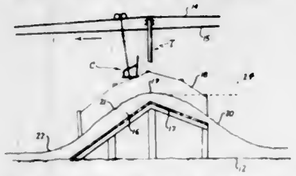
ended depressions; and means associated with said grid means for penetrating said openings to thereby dislodge accumulated material therefrom, said last-named means including projecting gear-like elements engaging the surface of the grid means and of a size and spacing to enter within and withdraw from each of said openings during rotation of said grid means.

2,582,200
COMPOSITIONS OF MATTER COMPRISING HALOGENATED ORGANIC COMPOUNDS
Buford H. Hartzog, Texas City, Tex., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application August 16, 1949, Serial No. 110,518
14 Claims. (Cl. 252—64)



1. A composition of matter consisting essentially of a halogenated aromatic compound and as a scavenger therefor a sufficient amount of ethyl silicate to render the decomposition products of said halogenated aromatic compound substantially innocuous.

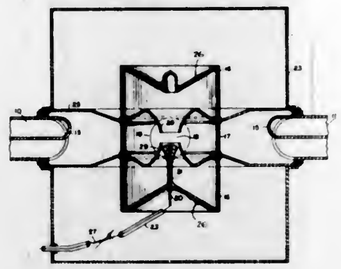
2,582,201
SKI LIFT
Samuel S. Huntington, Idaho Springs, Colo.
Application April 3, 1948, Serial No. 18,742
8 Claims. (Cl. 104—173)



1. In a ski lift having means for continuously supporting and moving a plurality of passenger chairs in succession upwardly from a lower terminal to an upper terminal and then downwardly therebetween, an unloading station comprising the combination of a ramp having a downwardly inclined unloading slope, such downward inclination being in the direction of movement of said chairs, with means for supporting and moving each chair in succession at a distance above said ramp which permits the engagement of the skis

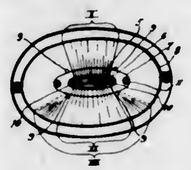
of passengers with the upper end of said unloading slope and which also permits the passage of said chairs above said passengers at the lower end of said unloading slope, after exodus of said passengers from said chairs and movement of said passengers down said unloading slope.

2,582,202
ELECTRICAL BREAKDOWN DEVICE
Carlyle W. Jacob, Lynn, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application September 25, 1944, Serial No. 555,734
7 Claims. (Cl. 178—44)



7. In an electrical breakdown switch, an auxiliary electrode wire for facilitating breakdown, a source of voltage connected between said auxiliary electrode and the body of said switch, and means for insulating said auxiliary electrode from said switch body comprising a nonconducting sheath in contact with and enclosing all of the lateral surfaces of said electrode wire.

2,582,203
ELECTRIC DISCHARGE TUBE
Johan Lodewijk Hendrik Jonker and Gesinus Diemer, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 6, 1947, Serial No. 790,054
In the Netherlands November 2, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires November 2, 1966
4 Claims. (Cl. 313—299)

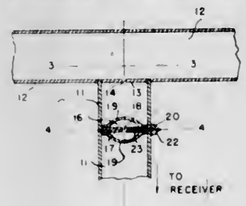


1. An electric discharge tube comprising a cathode having a given dimension in a given direction which is smaller than all other dimensions of said cathode, an anode enclosing the cathode, a control grid between the cathode and anode, rods supporting said grid, said rods having a given dimension in a direction parallel to said given direction of the smallest dimension of the cathode which dimension of the rod is of the same order of magnitude as the smallest dimension of the cathode, and an electrode member adapted to have a positive potential applied thereto positioned substantially parallel to said cathode between said control grid and said anode, said rods constituting beam-forming electrodes in the operation of the tube.

2,582,204
TETRAALKYL MONOTHIOPYROPHOSPHATE AS AN INSECTICIDE
Gennady M. Kosolapoff, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 26, 1948, Serial No. 35,511
5 Claims. (Cl. 167—22)

1. The process of combating insect pests which comprises applying to insect infested vegetation an insecticide containing tetraethyl monothiopyrophosphate as an active ingredient thereof.

2,582,205
COMPOUND PROTECTIVE DEVICE FOR RADIO DETECTION SYSTEM
Andrew Longacre, Exeter, N. H., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application September 7, 1943, Serial No. 501,491
43 Claims. (Cl. 250—13)



3. In a hollow wave guide system, protective apparatus comprising first and second protective electrical breakdown devices, said protective devices being positioned within said wave guide and transversely thereof and being spaced one from the other as measured from their respective regions of breakdown a distance substantially equal to an odd number of quarter-wave lengths of the energy conducted within said wave guide.

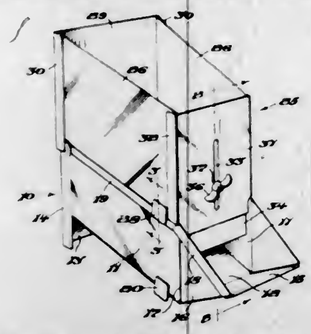
2,582,206
METHOD OF MAKING SODIUM SILICATE COMPOSITIONS
George R. McDaniel, Cincinnati, Ohio, assignor to Diamond Alkali Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application September 28, 1948, Serial No. 51,659
3 Claims. (Cl. 23—110)

1. The method of manufacturing sodium silicate compounds which includes the steps of evaporating sodium metasilicate pentahydrate to a water content of between 4 and 4.5 molecules of water per molecule of metasilicate, causticizing said evaporated material to a ratio of Na_2O to SiO_2 of between unity and 1.5 to 1, and crystallizing the causticized product.

2,582,207
OPEN-TOPPED RECEPTACLE AND A HOPPER EXTENDING UPWARDLY THEREFROM, BOTH FORMING A STACKABLE UNIT
Thomas Shaw, Cranston, R. I., assignor to Stackbin Corporation, a corporation of Rhode Island
Application September 9, 1948, Serial No. 48,411
6 Claims. (Cl. 222—143)

1. In combination a unit receptacle of the type adapted to have one unit stacked upon another and having an open front for a delivery aperture, a hopper having open top and bottom and

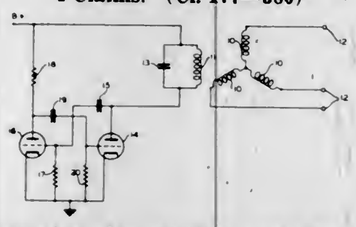
comprising an integral unit composed of end and side walls, said hopper provided with a lower edge of the walls of a shape to fit upon the unit receptacle and itself become a unit of the



stack while its upper edge is shaped to fit the lower part of a unit receptacle and thus adapted to have a unit receptacle mounted upon it, the front wall of the hopper extending down into the receptacle to partly close said open front.

4. A hopper for a receptacle comprising integral back, front, and side walls forming a fence-like enclosure with an open bottom, and means carried by said walls for mounting the hopper on a similarly shaped receptacle having an open front for a delivery aperture to in effect enlarge the capacity of the receptacle on which the hopper is mounted by extending its walls upwardly, said front wall being provided with a portion extending downwardly beyond the adjoining sides to enter the open front of the receptacle and partially close the same.

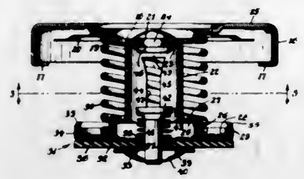
2,582,208
SYNCHRO EXCITER
Chalmers W. Sherwin, Leonia, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application April 16, 1946, Serial No. 662,463
4 Claims. (Cl. 177—380)



4. Apparatus for exciting angular motion transmission apparatus having relatively rotatable primary and secondary windings comprising, an oscillator having a tank capacitance and a direct current energizing source, and means connecting said capacitance in shunt with said primary winding whereby said primary winding operates as the tank inductance of said oscillator.

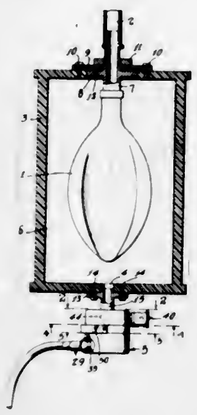
2,582,209
PRESSURE VACUUM RELIEF RADIATOR CAP
Lowell J. Smith and Dawson Friend, Connersville, Ind., assignors to Stant Manufacturing Company, Connersville, Ind., a corporation of Indiana
Application July 19, 1948, Serial No. 39,518
4 Claims. (Cl. 220—44)

1. In a pressure-vacuum relief closure cap, a cap member formed for retaining association with a spout, a resilient sealing member loosely engaging the inner surface of said cap member, an elongated hollow element having an upper inturned flange means and a lower outturned flange means, means cooperating with said inturned flange means to secure said hollow element to the inner surface of said cap member, a ring slidably mounted on said hollow element and cooperable with the outturned flange of said hollow element to limit movement of said ring axially in one direction relative to said hollow



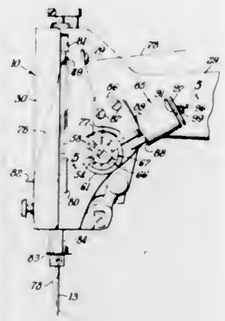
element, said ring having an axial length substantially less than that of said hollow element, a coiled spring arranged to enclose said hollow element and confined between said ring and said sealing member to press said sealing member frictionally against the inner surface of said cap member, and a valve assembly including a pressure-relief valve and a vacuum-relief valve carried by said ring, a portion of said valve assembly projecting into the interior of said hollow element.

2,582,210
APPARATUS FOR POSITIVE RESPIRATION DURING GAS ANESTHESIA
Philip L. Stanton, Flintridge, Calif., assignor to E & J Manufacturing Co., Glendale, Calif., a corporation of California
Application July 5, 1949, Serial No. 103,118
8 Claims. (Cl. 128—184)



4. In a machine of the class described, a bellows adapted for connection to an anesthetic administering machine, an air container surrounding said bellows, means for increasing the pressure of the air in said container to a desired maximum, means for decreasing said pressure to a desired negative minimum, and means actuated by the pressure in said container to alternately actuate said pressure means.

2,582,211
TENSION RELEASING DEVICE FOR SEWING MACHINES
Edgar P. Turner, Fanwood, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application May 20, 1950, Serial No. 163,199
3 Claims. (Cl. 112—254)



1. A thread-tension device for sewing machines comprising a pair of thread-engaging elements, spring means for normally biasing said thread-engaging elements together so as to apply a tension upon a thread trained between such elements, an electrical solenoid including a coil and an armature shiftable lengthwise within said coil, said armature being disposed adjacent said thread-engaging elements and being adapted to be forced to move endwise of itself in opposition to the action of said spring means in response to the energization of said solenoid thereby to relieve the pressure between said thread-engaging elements, and a switch connected to said solenoid and adapted to be connected to a source of electrical energy so as to be capable of selectively energizing and de-energizing said solenoid.

2,582,212
CONVERSION OF ACYLOXYMETHYLENE-4-PENTENOATES TO ETHER ESTERS
John O. Van Hook, Philadelphia, and Willard J. Croxall, Bryn Athyn, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 21, 1949, Serial No. 72,074
11 Claims. (Cl. 260—468)

1. A process for preparing a compound of the formula

$$\begin{array}{l} R^0OCH{=}CCOOR^0 \\ \quad\quad\quad | \\ \quad\quad CH_2CH{=}CH_2 \end{array}$$

which comprises reacting by heating together at 50° to 150° C. in the presence of an acidic catalyst from the class consisting of sulfuric acid, phosphoric acid, and p-toluenesulfonic acid a compound of the formula

$$\begin{array}{l} R''COOCH{=}CCOOR \\ \quad\quad\quad\quad | \\ \quad\quad\quad CH_2CH{=}CH_2 \end{array}$$

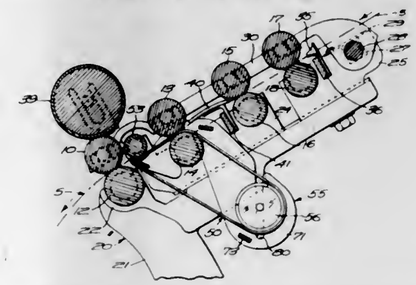
with an excess of a non-tertiary alcohol R^0OH, separating from the reaction mixture an ester of the acid $R''COOH$, and forming said compound, R'' being an alkyl group of not over three carbon atoms, R^0 being a non-tertiary hydrocarbon group of not over nine carbon atoms, and R being a non-tertiary alkyl group of not over eight carbon atoms, the alcohol R^0OH boiling at least as high as the alcohol ROH.

7. A compound of the formula

$$\begin{array}{l} R^0OCH{=}CCOOR^0 \\ \quad\quad\quad | \\ \quad\quad CH_2CH{=}CH_2 \end{array}$$

wherein R^0 is a non-tertiary hydrocarbon group of not over nine carbon atoms.

2,582,213
DRAWING MECHANISM FOR TEXTILE FIBERS
Samuel Rushton Walsh, South Attleboro, Mass., assignor to H & B American Machine Company, a corporation of Maine
Application April 25, 1950, Serial No. 158,029
10 Claims. (Cl. 19—131)



1. In a textile fiber drawing mechanism of the type in which a single endless belt or apron cooperates with additional devices to support and grip a sliver or a roving during a drafting operation, the combination of a driving roll for said belt or apron, cradle means adapted to laterally guide said belt or apron and suspended from the belt driving roll for free pivotal movement thereon, guide means extending through the front loop of said belt or apron over which it is guided when in motion and mounted on said cradle, positively driven roll means in cooperating relation with the forward leading portion of the upper run of said belt or apron, and idler roll means freely suspended by the rear loop of said belt or apron for tensioning the belt or apron due to the weight of said idler roll means, said idler roll means being guided in a self-adjusting fashion on said cradle means and exerting a force in a direction tending to swing said cradle means on the belt driving roll sufficient to adjust the elevation of said guide means and the tip of said front belt loop encircled thereby to control the arc of contact and pressure of the leading forward portion of the upper run of said belt or apron with the coacting lower periphery of said positively driven roll means to desired predetermined limits as determined by selective weighting of said belt tensioning roll means.

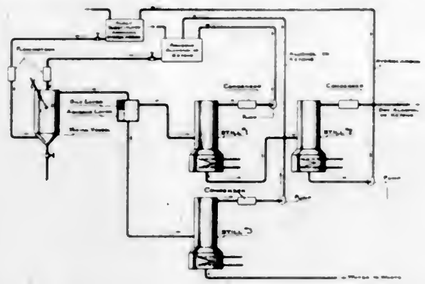
2,582,214

PROCESS FOR DRYING ALCOHOLS AND KETONES

George Hilton Twigg, Cambridge, England, assignor to The Distillers Company, Limited, Edinburgh, Scotland, a British company

Application March 20, 1947, Serial No. 736,077
In Great Britain March 20, 1946
8 Claims. (Cl. 202—60)

1. A process for the dehydration of a partially water-miscible compound, capable of forming a homogeneous water azeotrope, selected from the group consisting of alcohols and ketones, which comprises adding to a homogeneous aqueous solution of said compound containing at least as much water as the corresponding azeotrope, a benzene hydrocarbon having at least one nuclear alkyl substituent of one to four carbon atoms and which has a boiling point at least 40° C. higher than said compound and is miscible therewith, separating the resulting oil layer and aqueous layer and feeding said oil layer continuously to a first still, the water-azeotrope of said compound being continuously recycled from said first still as distillate to be admixed with said benzene hydrocarbon, and the residue from said first still

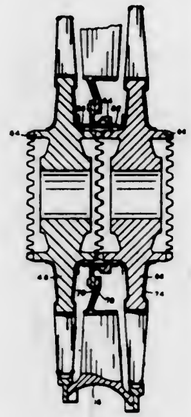


being continuously fed to a second still from which said compound is removed continuously in the dry condition as distillate.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

550,872. **LIMITING HEAT TRANSFER IN TURBINES.** Walter Kenneth Bodger, South Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware. Filed Aug. 23, 1944. Published Jan. 8, 1952. Class 253—39.15. 2 sheets of drawings. 7 pages of specification.

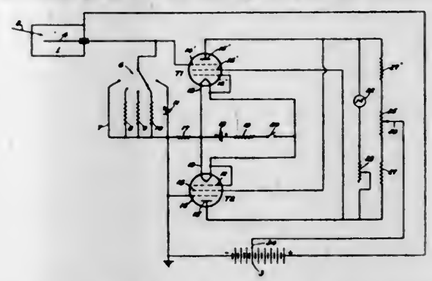


As illustrated in the figure, the portions of the turbine discs **48** and **50** that are exposed to radiant heat from the diaphragm **76** adjacent thereto have a coating **74** such as gold plating that provides surfaces having a low rate of heat absorptivity to reduce the transfer of heat to the rotor which includes the discs **48** and **50**. The diaphragm **76** may also have a similar coating **78** to reduce the emission of heat from the diaphragm.

622,635. **RADIATION MEASURING APPARATUS.** Charles O. Ballou, Knoxville, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Filed Oct. 16, 1945. Published Jan. 8, 1952. Class 171—95. 1 sheet of drawings. 14 pages of specification.

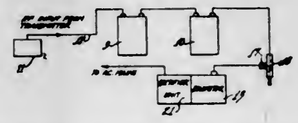
This application relates to an electronic circuit of high sensitivity for measuring small currents such as those produced by ionization chambers for the detection of radioactivity. The circuit includes a balanced pair of space-charge connected pentodes and their respective load resistors connected as the four arms of a Wheatstone bridge. The screen grid of each tube is coupled to the plate of the other tube, with the suppressor grid of the first tube connected to receive the input signal and the suppressor grid of the other tube being grounded.

Thus an input signal to the circuit will be reinforced by alteration of grid and plate currents in the tubes due to the negative mutual conductance between suppressor and screen grids, by coupling of a voltage change in the desired direction from plate to screen grid due to the cross-



connection, and by changing the degenerative bias current flowing through the common cathode resistance.

657,968. **MEASUREMENT OF POWER.** John A. Bauer, Pennsauken, Rodney S. McKinney, Merchantville, and Alban J. Grange, Palmyra, N. J., assignors to Radio Corporation of America, a corporation of Delaware. Filed Mar. 29, 1946. Published Jan. 8, 1952. Class 171—95.23. 2 sheets of drawings. 12 pages of specification.



This disclosure relates to an improved method of measuring the power output of a radio transmitter.

The entire R. F. power output of a radio transmitter **11** is fed into a transmission line comprising one or more coils **9**, **10**, of high power loss coaxial cable of known length. The power output of the transmitter **11** is attenuated a known amount by the coils **9**, **10** which have a calibrated characteristic high power loss per unit of length. After attenuation by the transmission line, the residual R. F. power of the transmitter **11** is fed to a Thermistor, in series with a ¼ wavelength adjustable shorted stub tuner **18**, and the R. F. current is by-passed to ground. A bolometer bridge **13**, supplied with D. C. power by means of a conventional rectifier **21**, is used to measure the residual R. F. power dissipated in the Thermistor.

The principal of measurement is first to balance the bridge when the transmitter **11** is shut off. Then, the transmitter is turned on and the difference in the amount of D. C. power required to balance the bridge is measured. Actually, a certain known fraction of the D. C. power is dissipated in the Thermistor **17** and what is measured in the change in D. C. voltage. The R. F. power, as measured by the bolometer, is a function of the initial bridge voltage and the change in that voltage. The attenuation of the transmission line is a function of the frequency and the length of the line used. To calculate the entire R. F. power

output of the transmitter 11, it has been found convenient to convert the power in the bolometer from watts to DB above 1 milliwatt, add the DB loss in the transmission line, and then reconvert to watts.

47,553. **REARRANGEMENT OF HALOCARBONS.** William T. Miller, Ithaca, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Filed Sept. 2, 1948. Published Jan. 8, 1952. Class 260—653. No drawing. 5 pages of specification.

In this disclosure perhalo-olefins which have at least three carbon atoms and one type of halogen attached to an olefinic carbon atom and a different halogen atom attached to the allylic carbon atom, are rearranged. In the process of this aspect of the disclosure the double bond is shifted so that the allylic carbon atom becomes an olefinic carbon atom and one olefinic carbon atom loses the double bond. Concurrently the halogen atom on the formerly allylic carbon atom is shifted to the formerly olefinic carbon atom which now has an added free valence with which to receive it. In this rearrangement process the migrating halogen atom may be a fluorine or a chlorine atom.

In the rearrangement of the allylic and olefinic carbon atoms in a perhalo-olefin according to this disclosure, heat and catalysts such as aluminum chloride and aluminum bromide and other acidic reagents may be used to promote the transformation. The perhalo-olefin is heated at a temperature above its melting point.

A specific example of the rearrangement of a non-conjugated diolefin to a conjugated diolefin is given by the following equation:

1.

$$CF_2{=}CCl{-}CF_2{-}CCl{=}CF_2 \xrightarrow[\text{heat}]{\text{metal halide}} CF_2{=}CCl{-}CF{=}CCl{-}CF_3$$

Two examples of the allylic type rearrangement are specifically illustrated by the following equations:

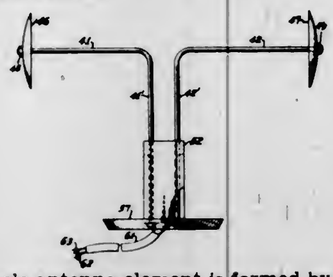
2.

$$CF_2{=}CF{-}CFCl_2 \xrightarrow[\text{heat}]{\text{metal halide}} CF_2Cl{-}CF{=}CFCl$$

3.

$$CF_2Cl{-}CFCl{-}CF{=}CF_2 \xrightarrow[\text{heat}]{\text{metal halide}} CF_2Cl{-}CF{=}CF{-}CF_2Cl$$

64,582. **PORTABLE TELEVISION RECEIVING ANTENNAS.** William Jefferson Zaun, Riverton, and John David Callaghan, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware. Filed Dec. 10, 1948. Published Jan. 8, 1952. Class 250—33. 1 sheet of drawings. 12 pages of specification.



A dipole antenna element is formed by conductive rods 41 and 42 in end-to-end relationship and having right-angled portions 41' and 42' arranged in parallel relationship. Portions 41' and 42' are inserted through a pedestal 52 and then fastened to a base 57. Dish shaped conductor members 46 and 47 are affixed to the ends of elements 41 and 42 by acorn nuts 48 and 49. Alternately, conductors 46 and 47 may be arranged to be adjustably positioned along rods 41 and 42. One end of a length of flat ribbon transmission line 61 is electrically connected to portions 41' and 42'. The other end of transmission line 61 is fitted with terminals 62 and 63 which are connected to the antenna terminals of a television receiver in the normal manner.

76,196. **ETHYL CELLULOSE PLASTICS CONTAINING RESORCINOL MONOBENZOATE.** Lester W. A. Meyer and William M. Gearhart, Kingsport, Tenn. Filed Feb. 12, 1949. Published Jan. 8, 1952. Class 106—180. No drawing. 4 pages of specification.

This specification describes the use of resorcinol monobenzoate as an ultra-violet inhibitor for cellulose ether compositions comprising ethyl cellulose. Ethyl cellulose plastics are made more suitable for use in places where they are exposed to a considerable amount of ultra-violet light by the incorporation in the plastic of resorcinol monobenzoate in amounts of up to 2 per cent or even more, approximately 1 per cent normally being preferred.

The inhibitor is useful in ethyl cellulose plastics compounded with any of the usual plasticizers such as triphenylphosphate, tricresylphosphate, or the like in amounts normally employed e. g. 25 parts of plasticizer per 100 parts of ethyl cellulose.

120,817. **PROCESS FOR PREPARING SYNTHETIC LINEAR POLYAMIDES.** Leroy Frank Salisbury, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Filed Oct. 11, 1949. Published Jan. 8, 1952. Class 260—78. No drawing. 16 pages of specification.

The process is predicated upon the discovery that phosphorous and phosphoric acids exert a catalytic effect in the formation, by melt polymerization, of secondary N-substituted polyamides formed from aliphatic secondary diamines and dibasic acids.

Any aliphatic mono- and/or di-secondary diamines may be used, for example, N,N'-diisobutylhexamethylenediamine, N-isobutylhexamethylenediamine, N,N'-dibenzylhexamethylenediamine, N,N'-dimethylhexamethylenediamine, N,N'-diisopropylhexamethylenediamine, N,N'-dibutylhexamethylenediamine.

Any of the dicarboxylic acids heretofore disclosed as useful in the formation of polyamides may be employed. Representative acids are glutaric, adipic, pimelic, suberic, azelaic, sebacic, and dodecanedioic acids. In place of a single acid, various mixtures of dibasic acids may be used in conjunction with one or a mixture of the substituted diamines.

A "half-made," i. e., a very low molecular weight polymeric material, is prepared by heating 90–95% solution of a 40/20/40 salt mixture consisting of 40 mole per cent N,N'-diisobutylhexamethylenediammonium sebacate, 20 mole per cent N-isobutylhexamethylenediammonium sebacate, and 40 mole per cent hexamethylene diammonium sebacate for 2 hours at 225° C. in a sealed autoclave under autogenous pressure. This "half-made" polymer which has a relative viscosity of 4 to 5 is then divided into samples of equal weight and each sample is heated with a catalyst of kind and amount (based on the weight of the "half-made" polymer) as indicated in the following table, at 285° C. for 2 hours at 25 mm. mercury pressure. One sample was polymerized in the absence of catalyst and is designated as "Control." The relative viscosities at the end of the reaction period are shown in the table.

Catalyst	Per cent Catalyst	Relative Viscosity
Control	None	10.4
H_3PO_4	0.10	41.6
HCl (conc.)	0.17	10.5
H_2SO_4 (conc.)	0.21	10.1
Borophosphoric acid	0.09	8.3
MgO	0.10	9.6
ZnO	0.10	11.8
Silica gel	0.10	9.2
$BF_3.Et_2O$	0.19	11.9
$ZnCl_2$	0.16	11.3
$SnCl_2$	0.16	9.1

The catalysts are most effective in concentrations from 0.05%–0.15% available H_3PO_4. Reasonable polymerization times may also be obtained at atmospheric pressure under an atmosphere of nitrogen. Other catalysts disclosed are tricresyl phosphate, ethyl phosphate, ammonium phosphate monobasic, phenyl phosphinic acid, and a catalyst made by neutralizing two of the replaceable hydrogens of phosphoric acid with a mixture of the diamines of the example. The catalysts may be added to the salt solution prior to polymerization. The yarns from phosphoric acid catalyzed polymers of the application exhibit superior light durability and resistance to deterioration under storage conditions.

135,032. **METHOD OF FORMING MACHINED PERMANENT MAGNETS.** Oliver J. Barton, Summit, and Daniel H. Wenny, Jr., West Orange, N. J., assignors to Bell Telephone Laboratories, Inc., New York, N. Y., a corporation of New York. Filed Dec. 24, 1949. Published Jan. 8, 1952. Class 148—12.3. No drawing. 7 pages of specification.

Precipitation hardening permanent magnet alloys of the composition:

	Per cent
Molybdenum	16 to 24
Cobalt	10 to 15
Manganese	up to 2
Titanium	up to 1
Iron	remainder

or of the composition:

Molybdenum	14 to 21
Cobalt	2 to 10
Chromium	3 to 6
Iron	remainder

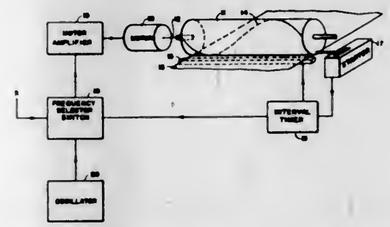
or of the composition:

Molybdenum	14 to 21
Chromium	3 to 6
Iron	remainder

are softened sufficiently to permit them to be machined by heating them to a temperature between 800° C. and 1000° C. (which is below the temperature at which they exist as single-phase solid solutions but is above their precipitation hardening temperature range) and maintaining them at that temperature until softening occurs (at least one hour). The softened alloys are subjected to machining, as by drilling, sawing, milling, planing or turning and are then subjected to precipitation hardening in the usual manner by heating them to a temperature between 1150° C. and 1300° C., quenching them to below their minimum hardening temperatures and then heating them to a hardening temperature (600° C. to 750° C.).

171,997. **RECIPROCATING RADIOSONDE RECORDER.** Joseph A. Siderman, Eatontown, N. J. Filed July 3, 1950. Published Jan. 8, 1952. Class 346—33. 1 sheet of drawings. 6 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The disclosure relates to a recording system wherein a frequency varying in accordance with a condition to be measured, is recorded. A signal X, whose frequency is to be recorded, is received in any conventional manner and applied to a frequency selector switch 19. The frequency selector switch, under control of an interval timer 18, is operable to connect to a motor amplifier 13 an oscillator 20, of a frequency approximately that of the highest recordable frequency, or the incoming frequency X to be measured.

The motor amplifier amplifies the signal to the power required to drive a synchronous motor 10 which motor drives a drum 11 carrying a helical electrode 14. The drum carries a pin, set at a zero position, to trip an electro-mechanical switch 17 to energize the interval timer 18. The interval timer upon energization, actuates the frequency selector switch 19 to apply the incoming frequency X to the motor amplifier. After a predetermined period of time, the interval timer actuates the marker 15, to produce a mark on the chart 16, and also actuates the frequency selector switch. The latter, upon being actuated, switches the incoming frequency X out of the circuit and switches in the oscillator frequency to the motor amplifier to speed the motor. The motor quickly returns the pin to the zero starting line and the cycle is repeated.

DESIGNS

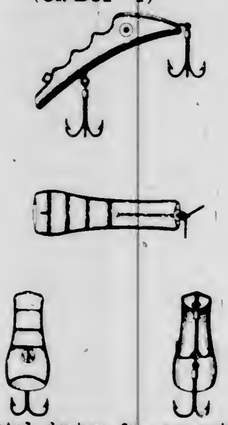
JANUARY 8, 1952

165,625
PLATE OR THE LIKE
Mary S. Ambrose, New Brighton, Pa., assignor to Mayer China Company, Beaver Falls, Pa., a corporation of Pennsylvania
Application October 17, 1951, Serial No. 16,994
Term of patent 14 years
(Cl. D44—15)



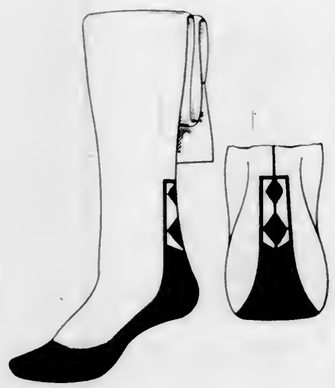
The ornamental design for a plate or the like, as shown.

165,626
ARTIFICIAL LURE
John J. Bates, Detroit, Mich.
Application May 14, 1951, Serial No. 15,177
Term of patent 14 years
(Cl. D31—4)



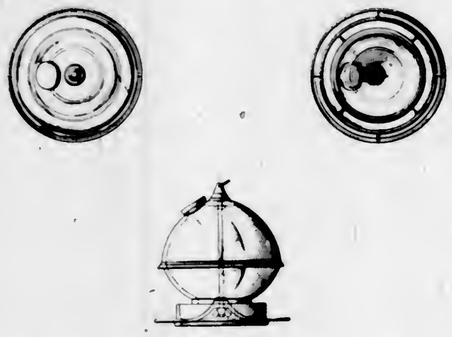
The ornamental design for an artificial lure, substantially as shown.

165,627
STOCKING
Philip Berusch, New York, N. Y., assignor to Hoburt Hosiery Corporation, New York, N. Y., a corporation of New York
Application June 27, 1951, Serial No. 15,691
Term of patent 3½ years
(Cl. D47—7)



The ornamental design for a stocking, substantially as shown and described.

165,628
BIRD FEEDER
Arthur W. Blazier, Montclair, N. J.
Application May 11, 1950, Serial No. 9,884
Term of patent 14 years
(Cl. D31—2)



The ornamental design for a bird feeder, substantially as shown.

165,629
FABRIC OR THE LIKE
Simon Bochner, Yonkers, N. Y., assignor to Covington Fabrics Corporation, New York, N. Y., a corporation of New York
Application September 6, 1951, Serial No. 16,541
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a fabric or the like, as shown and described.

165,630
FABRIC OR THE LIKE
Simon Bochner, Yonkers, N. Y., assignor to Covington Fabrics Corporation, New York, N. Y., a corporation of New York
Application September 6, 1951, Serial No. 16,544
Term of patent 3½ years
(Cl. D92—1)



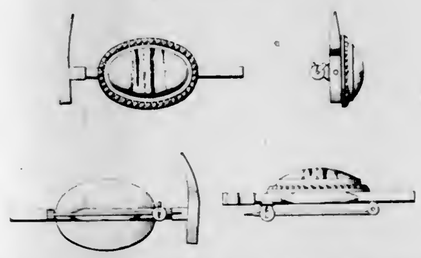
The ornamental design for a fabric or the like, as shown and described.

165,631
FIGURINE
Edmond Bregent, Montreal, Quebec, Canada
Application December 13, 1950, Serial No. 13,423
Term of patent 7 years
(Cl. D29—23)



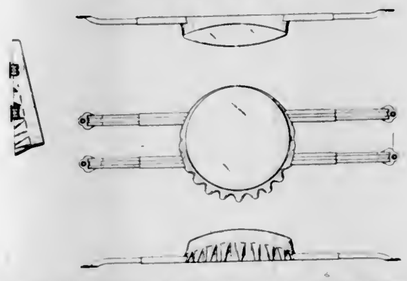
The ornamental design for a figurine, as shown.

165,632
BROOCH OR SIMILAR ARTICLE
Willard A. Brown, La Junta, Colo.
Application August 20, 1951, Serial No. 16,385
Term of patent 3½ years
(Cl. D45—19)



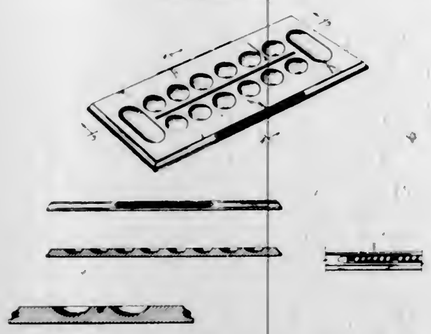
The ornamental design for a brooch or similar article, substantially as shown.

165,633
PUSH BAR FOR STORE DOORS
Richard Burdick, Dallas, Tex.
Application July 10, 1950, Serial No. 11,042
Term of patent 14 years
(Cl. D10—8)



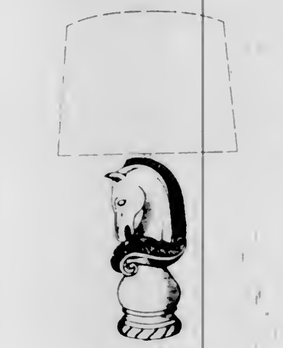
The ornamental design for a push bar for store doors, substantially as shown.

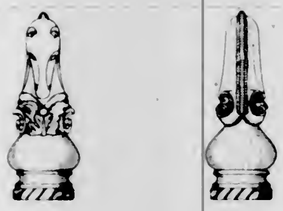
165,634
GAME BOARD
William J. Champion, Mystic, Conn.
Application June 27, 1951, Serial No. 15,690
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a game board, as shown.

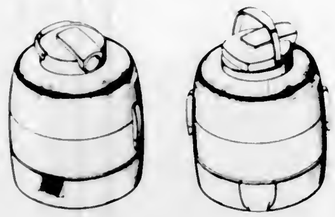
165,635
DECORATIVE CHESS HORSE LAMP
Earle F. Chapman, South Braintree, Mass.
Application January 7, 1950, Serial No. 7,061
Term of patent 3½ years
(Cl. D48—20)





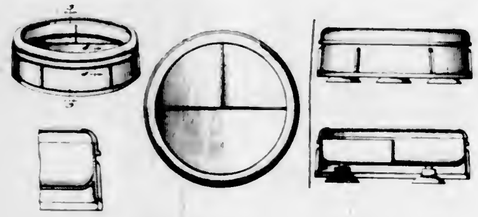
The ornamental design for a decorative chess horse lamp, substantially as shown and described.

165,636
SUCTION CLEANER
Peter W. Cherry, Monroe, and Carl N. Johnson, Stratford, Conn., assignors to General Electric Company, a corporation of New York
Application April 13, 1951, Serial No. 14,821
Term of patent 14 years
(Cl. D9—2)



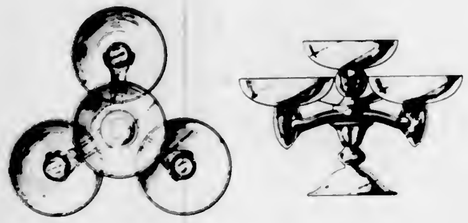
The ornamental design for a suction cleaner, substantially as shown and described.

165,637
BABY FEEDING DISH
Jacob J. Detzel, Chicago, Ill., assignor to Kayware Corporation, Chicago, Ill., a corporation of Illinois
Application October 11, 1951, Serial No. 16,911
Term of patent 14 years
(Cl. D44—15)



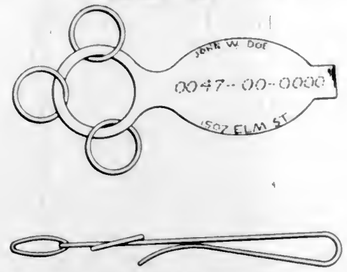
The ornamental design for a baby feeding dish, substantially as shown.

165,638
EPERGNE OR SIMILAR ARTICLE
Albert J. Dreitzer, New York, N. Y.
Application April 22, 1950, Serial No. 9,429
Term of patent 14 years
(Cl. D36—4)



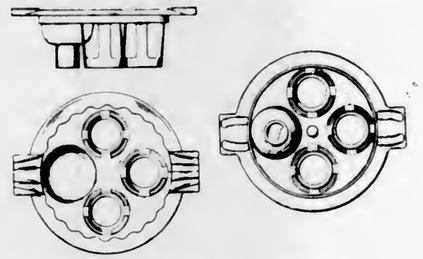
The ornamental design for an epergne or similar article, substantially as shown.

165,639
KEY RING
Francois U. Dumas, Spencer, Mass.
Application January 5, 1951, Serial No. 13,687
Term of patent 3½ years
(Cl. D17—14)



The ornamental design for a key ring, as shown.

165,640
COMBINATION FOOD AND FOOD CONTAINERS HOLDING TRAY
Francis X. Dyer and Janann E. Dyer, Chicago, Ill.
Application April 19, 1949, Serial No. 2,143
Term of patent 3½ years
(Cl. D44—10)



The ornamental design for a combination food and food containers holding tray, substantially as shown.

165,641
INFANT'S CRIB
Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Application September 2, 1950, Serial No. 12,032
Term of patent 7 years
(Cl. D5—5)



The ornamental design for an infant's crib, substantially as shown and described.

165,642
INFANT'S CRIB
Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Application September 2, 1950, Serial No. 12,035
Term of patent 7 years
(Cl. D5—5)



The ornamental design for an infant's crib, substantially as shown and described.

165,643
INFANT'S CRIB
Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Application September 2, 1950, Serial No. 12,036
Term of patent 7 years
(Cl. D5—5)



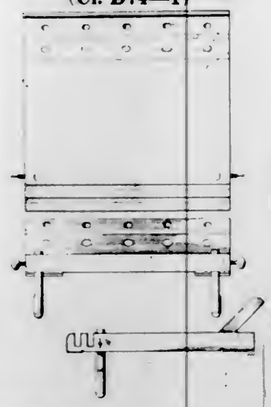
The ornamental design for an infant's crib, substantially as shown and described.

165,644
INFANT'S CRIB
Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Application September 2, 1950, Serial No. 12,038
Term of patent 7 years
(Cl. D5—5)



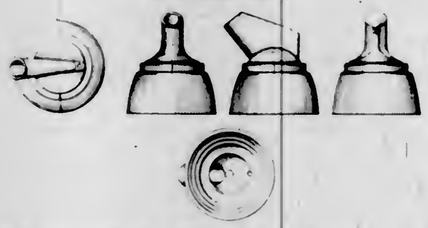
The ornamental design for an infant's crib, substantially as shown and described.

165,645
DRAFTING INSTRUMENT HOLDER OR SIMILAR ARTICLE
John A. Fretz, Jr., Philadelphia, Pa.
Application June 15, 1951, Serial No. 15,565
Term of patent 7 years
(Cl. D74—1)



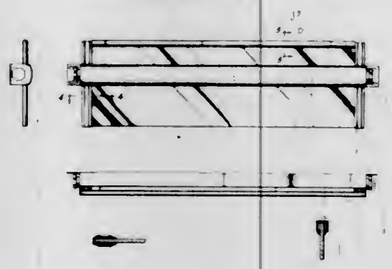
The ornamental design for a drafting instrument holder or similar article, substantially as shown and described.

165,646
POURING ATTACHMENT FOR BOTTLES
Walter S. Fuld, New York, N. Y.
Application January 31, 1950, Serial No. 7,578
Term of patent 14 years
(Cl. D58—26)



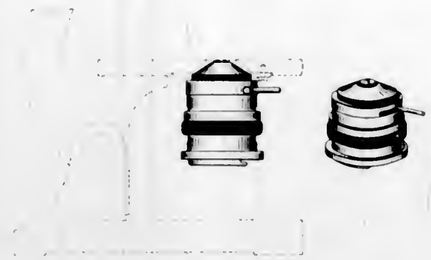
The ornamental design for a pouring attachment for bottles, as shown.

165,647
GLARE SHIELD
Harry F. George, Chicago, Ill.
Application December 15, 1949, Serial No. 6,639
Term of patent 14 years
(Cl. D14—6)



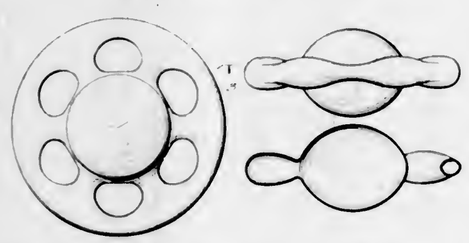
The ornamental design for a glare shield, as shown.

165,648
SUBSTAGE CONDENSER FOR MICROSCOPES
Leigh B. Hall, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application January 26, 1951, Serial No. 13,991
Term of patent 14 years
(Cl. D57—1)



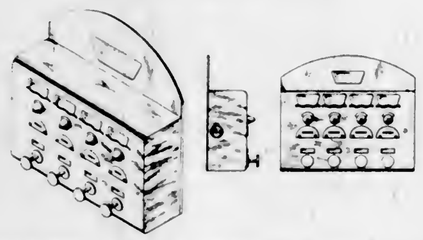
The ornamental design for a substage condenser for microscopes, substantially as shown and described.

165,649
INFLATED TOY
Seymour Harrison, Brooklyn, N. Y., assignor to Plastics Innovations, Inc., New York, N. Y., a corporation of New York
Application May 2, 1951, Serial No. 15,042
Term of patent 3½ years
(Cl. D34—15)



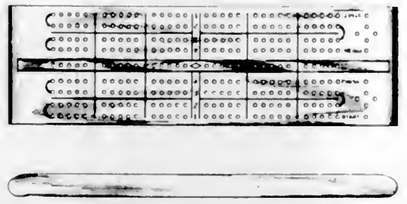
The ornamental design for an inflated toy, substantially as shown.

165,650
AUTOMATIC PERFUME DISPENSER
Larry Hoffman, Toronto, Ontario, Canada, assignor to Perfumatic of Canada Limited, Toronto, Ontario, Canada
Application May 10, 1951, Serial No. 15,126
Term of patent 14 years
(Cl. D52—3)



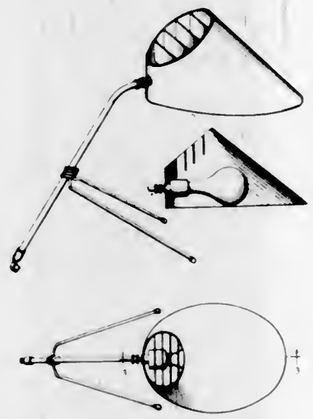
The ornamental design for an automatic perfume dispenser, as shown.

165,651
CRIBBAGE BOARD
William C. Horn, Orange, N. J.
Application April 28, 1950, Serial No. 9,539
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a cribbage board, as shown and described.

165,652
LAMP
Anthony J. Ingolia, Jr., Chicago, Ill.
Application March 31, 1951, Serial No. 14,679
Term of patent 14 years
(Cl. D48—20)



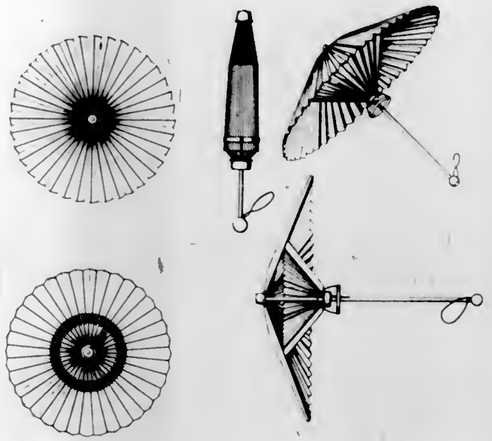
The ornamental design for a lamp, as shown.

165,653
COMBINED SUCTION CLEANER HANDLE FITTING AND HOSE CONNECTION
Carl N. Johnson, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application April 13, 1951, Serial No. 14,822
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a combined suction cleaner handle fitting and hose connection, substantially as shown and described.

165,654
UMBRELLA
Ferdinand Kramer, Port Chester, N. Y., assignor to Folding Products Manufacturing Corporation, Long Island City, N. Y., a corporation of New York
Application July 11, 1951, Serial No. 15,824
Term of patent 14 years
(Cl. D88—3)



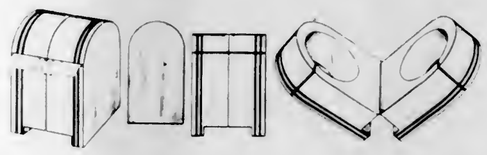
The ornamental design for an umbrella, as shown.

165,655
AUTOMOBILE GASOLINE DOOR GUARD
Murray B. Kramer, Chicago, Ill.
Application July 17, 1951, Serial No. 15,913
Term of patent 3½ years
(Cl. D14—6)



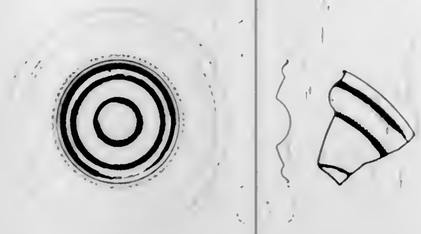
The ornamental design for an automobile gasoline door guard, as shown.

165,656
HOLDER FOR POSTAGE STAMPS IN ROLL FORM
Harvey Lathrop, Forest Hills, N. Y.
Application October 11, 1951, Serial No. 16,909
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a holder for postage stamps in roll form, substantially as shown and described.

165,657
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application March 1, 1950, Serial No. 8,237
Term of patent 14 years
(Cl. D14—30)



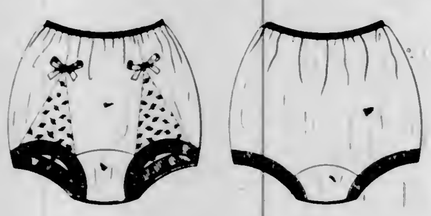
The ornamental design for a wheel cover or similar article, substantially as shown and described.

165,658
PANTIES
William Maron, New York, N. Y., assignor to Wilmar Undergarment Corp., New York, N. Y.
Application June 26, 1951, Serial No. 15,659
Term of patent 3½ years
(Cl. D3—17)



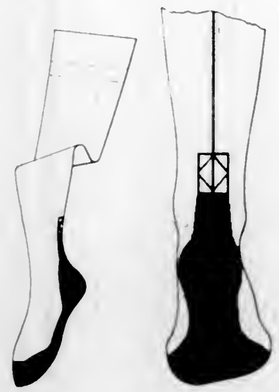
The ornamental design for panties, substantially as shown.

165,659
PANTIES
William Maron, New York, N. Y., assignor to Wilmar Undergarment Corp., New York, N. Y.
Application June 26, 1951, Serial No. 15,660
Term of patent 3½ years
(Cl. D3—17)



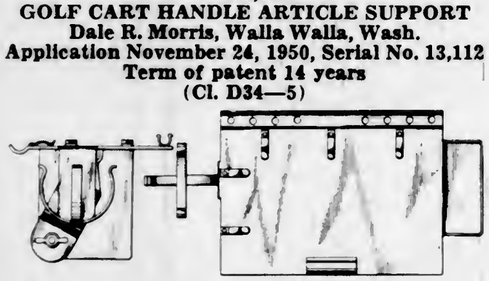
The ornamental design for panties, substantially as shown.

165,660
LADY'S STOCKING
Alexander Miller, Philadelphia, Pa.
Application June 6, 1951, Serial No. 15,434
Term of patent 7 years
(Cl. D47—7)



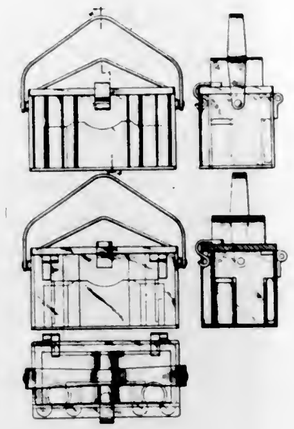
The ornamental design for a lady's stocking, as shown.

165,661
GOLF CART HANDLE ARTICLE SUPPORT
Dale R. Morris, Walla Walla, Wash.
Application November 24, 1950, Serial No. 13,112
Term of patent 14 years
(Cl. D34—5)



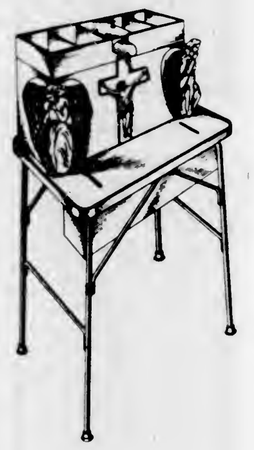
The ornamental design for a golf cart handle article support, as shown.

165,662
HANDBAG
Carolyn N. Munn, New York, N. Y.
Application October 14, 1950, Serial No. 12,569
Term of patent 14 years
(Cl. D87—3)

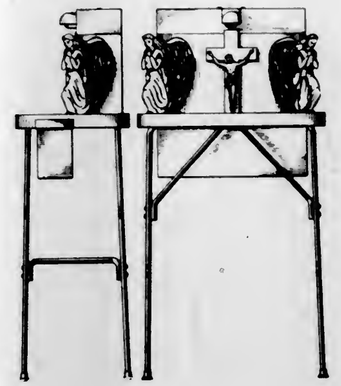


The ornamental design for a handbag, substantially as shown and described.

165,663
COMBINED MASS CARD HOLDER AND DEPOSIT BOX
McKenzie H. Parent, Tampico, and Arthur V. Skarin, Prophetstown, Ill.; said Skarin assignor to said Parent
Application November 21, 1949, Serial No. 6,172
Term of patent 3½ years
(Cl. D29—23)



165,663—Continued



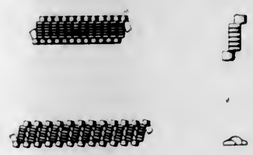
The ornamental design for a combined mass card holder and deposit box, as shown.

165,664
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 15, 1951, Serial No. 15,554
Term of patent 7 years
(Cl. D45—19)



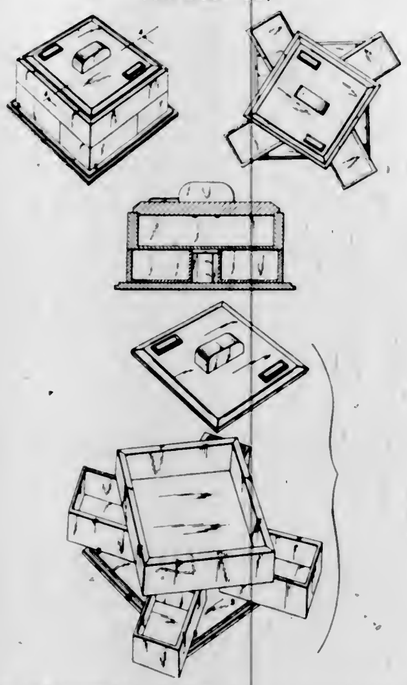
The ornamental design for a brooch or similar article, substantially as shown.

165,665
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Emil Rodriguez, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application June 22, 1950, Serial No. 10,683
Term of patent 7 years
(Cl. D45—4)



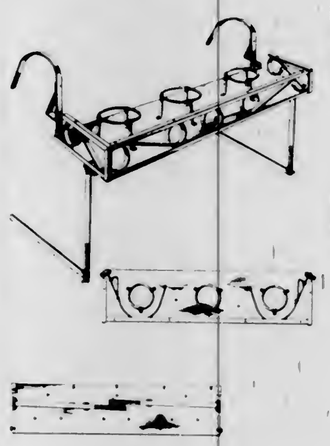
The ornamental design for an expansible link chain for a bracelet or the like, as shown.

165,666
MULTICOMPARTMENTED BOX
Anton M. Rosenfeld, New York, N. Y.
Application February 19, 1951, Serial No. 14,268
Term of patent 7 years
(Cl. D58—13)



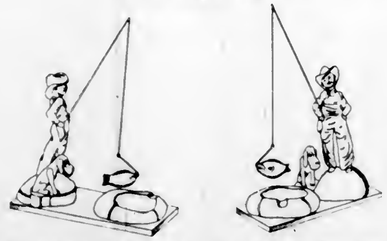
The ornamental design for a multicompartmented box, as shown and described

165,667
AUTOMOBILE SERVING TRAY
Whilman G. Sheets, Bellmead, Tex.
Application September 28, 1951, Serial No. 16,772
Term of patent 7 years
(Cl. D44—10)



The ornamental design for an automobile serving tray, substantially as shown and described.

165,668
DISPLAY FIGURE
Elwood H. Sheppard, Bellvue, Colo.
Application August 11, 1949, Serial No. 4,414
Term of patent 3½ years
(Cl. D29—23)



The ornamental design for a display figure, as shown.

165,669
BUCKLE FOR A SANITARY BELT
Estella E. Statter, Hutchinson County, S. Dak.
Application January 31, 1951, Serial No. 14,056
Term of patent 14 years
(Cl. D17—9)



The ornamental design for a buckle for a sanitary belt, substantially as shown.

165,670
JAR
Jon Stengren, Forest Hills, N. Y.
Application August 14, 1950, Serial No. 11,755
Term of patent 3½ years
(Cl. D58—25)



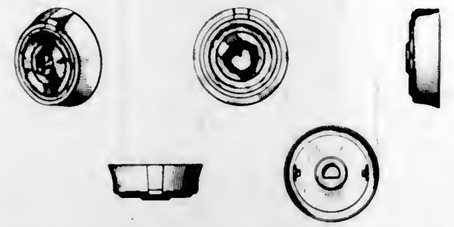
The ornamental design for a jar, substantially as shown.

165,671
BOTTLE
Jon Stengren, Forest Hills, N. Y.
Application August 14, 1950, Serial No. 11,756
Term of patent 3½ years
(Cl. D58—6)



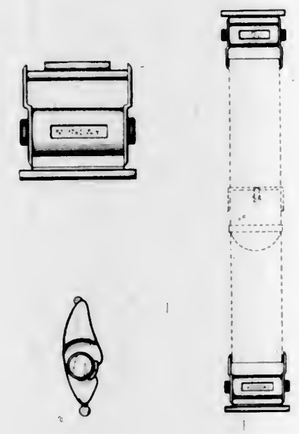
The ornamental design for a bottle, substantially as shown.

165,672
CONTROL KNOB FOR GAS STOVE OR SIMILAR ARTICLE
Donald E. Stewart, Grand Rapids, Mich., assignor to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application March 21, 1951, Serial No. 14,572
Term of patent 7 years
(Cl. D81—25)



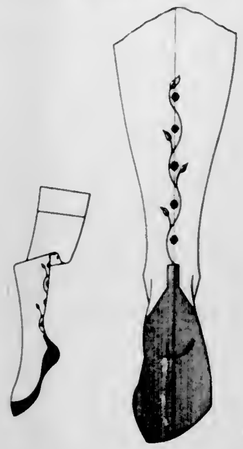
The ornamental design for a control knob for gas stove or similar article, substantially as shown.

165,673
CALENDAR WRISTBAND
Howard Steven Strouth, Forest Hills, N. Y.
Application August 31, 1950, Serial No. 11,997
Term of patent 3½ years
(Cl. D45—4)



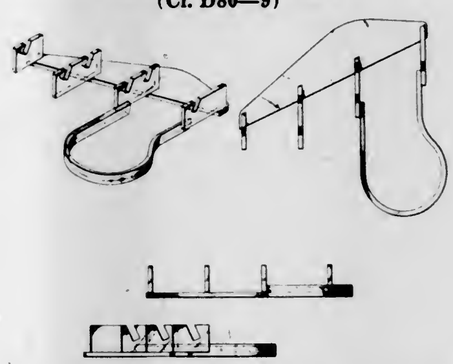
The ornamental design for a calendar wristband, as shown and described.

165,674
LADY'S STOCKING
Victor J. Voss, New Britain, Pa.
Application May 3, 1951, Serial No. 15,047
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a lady's stocking, as shown.

165,675
MERCHANDISE DISPLAY STAND OR SIMILAR ARTICLE
Fritz Westernacher, New York, N. Y.
Application September 28, 1951, Serial No. 16,769
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a merchandise display stand or similar article, substantially as shown.

Official Gazette

UNITED STATES PATENT OFFICE

Containing the Patents, Trade-Marks, & Designs issued

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January 15, 1952 Volume 654 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

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JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Aetna Casualty and Surety Company, The, Hartford, Conn. Apparatus to measure the reaction of a driver. Serial No. 617,071, Jan. 15. Class 26.

Airborne Accessories Corporation, Hillside, N. J. Profile dressing and grinding machines. Serial No. 611,254, Jan. 15. Class 23.

Alaska Chemical Corporation, Paterson, N. J. Furs, dressed and undressed. Serial No. 603,349, Jan. 15. Class 1.

Albers Milling Company, Los Angeles, Calif., and Portland, Oreg. Feed for livestock. Serial No. 610,816, Jan. 15. Class 46.

Alco Photo Supply Corporation, New York, N. Y. Photographic supplies. Serial No. 583,016, Jan. 15. Class 26.

Alco Photo Supply Corporation, New York, N. Y. Photographic chemicals. Serial No. 607,614, Jan. 15. Class 6.

Alco Photo Supply Corporation, New York, N. Y. Electrical devices. Serial No. 607,615, Jan. 15. Class 21.

Allied Chemical & Dye Corporation, New York, N. Y. Roofing cement, bituminous base coating compositions, etc. Serial No. 602,875, Jan. 15. Class 12.

Allison, Everett H., Chicago, Ill. Artificial fish lures. Serial No. 618,224, Jan. 15. Class 22.

All-Steel Equipment Inc., Aurora, Ill. Hardware. Serial No. 558,432, Jan. 15. Class 13.

Altman, B., & Co., New York, N. Y. Ladies' handbags. Serial No. 612,293, Jan. 15. Class 3.

Alumatic Corporation of America, Milwaukee, Wis. Aluminum windows. Serial No. 591,392, Jan. 15. Class 12.

Aluminex Incorporated, assignee: *See* —
Williams & Williams Limited.

American Bank Note Company, New York, N. Y. Services in the graphic arts. Serial No. 585,624, Jan. 15. Class 101.

American Gas Machine Company, Albert Lea, Minn. Oil and gas heating stoves, furnaces, heating units and burners therefor. Serial No. 601,703, Jan. 15. Class 34.

American Lubricants Company, The, doing business as Tiffany Asphalt and Grease Works, Dayton, Ohio. Asbestos fibre roof coating and plastic asbestos roof cement. Serial Nos. 561,545–6, Jan. 15. Class 12.

American Millwork Company, New Hyde Park, N. Y. Storm proof doors and windows. Serial No. 611,390, Jan. 15. Class 12.

Ammco Tools, Inc., North Chicago, Ill. Valve tappet grinders, valve tappet screw grinders, valve lifter grinders, etc. Serial No. 614,982, Jan. 15. Class 23.

Andrews, Cynthia, Inc., New York, N. Y. Shampoo. Serial No. 601,347, Jan. 15. Class 52.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Rouge and eyeshadow. Serial No. 581,236, Jan. 15. Class 51.

Armour and Company, Chicago, Ill. Oleomargarine. Serial No. 589,240, Jan. 15. Class 46.

Armour and Company, Chicago, Ill. Vitamin compositions. Serial No. 614,125, Jan. 15. Class 18.

Armour and Company, Chicago, Ill. Adrenocorticotropic compositions. Serial No. 614,126, Jan. 15. Class 18.

Atlantic Packing Co., The, Baltimore, Md. Fresh oysters. Serial No. 591,829, Jan. 15. Class 46.

Automatic Range Co., Inc., Brooklyn and New York, N. Y. Gas burner valves. Serial No. 563,102, Jan. 15. Class 34.

Backflow Engineering & Equipment Co., Los Angeles, Calif. Backflow prevention valves. Serial No. 575,692, Jan. 15. Class 13.

Ball, P. M., & Company, Oakland, Calif. Canned fruits, canned vegetables, canned fruit juices, etc. Serial No. 540,627, Jan. 15. Class 46.

Barber-Greene Company, Aurora, Ill. Portable and stationary belt conveyors, belt and bucket loaders, etc. Serial No. 600,530, Jan. 15. Class 23.

Barbour, G. E., Company Limited, St. John, New Brunswick, Canada. Tea and coffee. Serial No. 611,631, Jan. 15. Class 46.

Baur, O. P., Confectionery Company, The, Denver, Colo. Candies, pastries and confections. Serial No. 550,889, Jan. 15. Class 46.

Benay Albee Novelty Co., Brooklyn, N. Y. Boys' novelty felt hats and felt caps. Serial No. 573,755, Jan. 15. Class 39.

Berger, Milton, Leather Corp., Gloversville, N. Y. Washable Arabian mocha suede leather. Serial No. 612,676, Jan. 15. Class 1.

Berkeley Yeast Laboratory: *See* —
Fessler, Julius H.

Berning, Herbert C.: *See*—
Hall, William R., Herbert C. Berning and Hervey R. Collins.

Ber-Tals Apparel Shop, Chicago, Ill. Men's, women's and children's wearing apparel. Serial No. 605,711, Jan. 15. Class 39.

Bettschen, Oscar, New York, N. Y. Watches, clocks, and parts thereof. Serial No. 608,980, Jan. 15. Class 27.

Bigelow-Clark, Inc., New York, N. Y. Antiseptic rubefacient. Serial No. 613,067, Jan. 15. Class 18.

Bishop, G. H., Company, Chicago, Ill. Rack for supporting paper garment bags. Serial No. 606,258, Jan. 15. Class 24.

Black, L. A., Rice Miller, De Witt, Ark. Rice. Serial No. 604,065, Jan. 15. Class 46.

Booth Fisheries Corporation, Chicago, Ill. Canned fish. Serial No. 550,015, Jan. 15. Class 46.

Bordo Products Company, Chicago, Ill. Canned citrus food products. Serial Nos. 612,117–19, Jan. 15. Class 46.

Borg-Warner Corporation, Chicago, Ill. Carburetors. Serial No. 555,798, Jan. 15. Class 23.

Botany Mills, Inc., Passaic, N. J. Soap. Serial No. 600,116, Jan. 15. Class 52.

Boulevard Employment Service, Inc., Chicago, Ill. Employment agency services. Serial No. 605,142, Jan. 15. Class 101.

Boye Needle Company, The, Chicago, Ill. Rotary-needle, shuttle, and bobbin cases or cabinets, etc. Serial No. 544,509, Jan. 15. Class 32.

Boyle-Midway Inc., Jersey City, N. J. Hand operated sprayers. Serial No. 581,515, Jan. 15. Class 23.

Boyle-Midway Inc., New York, N. Y. Liquid wax preparation. Serial No. 589,707, Jan. 15. Class 4.

Bridgeport Brass Company, Bridgeport, Conn. Insecticides. Serial No. 607,926, Jan. 15. Class 6.

Brod, L., Company, Philadelphia, Pa. Women's, misses' and children's blouses. Serial No. 613,397, Jan. 15. Class 39.

Brown Durrell Co., Cambridge, Mass., and New York, N. Y. Infants' and children's shirts, two piece undergarments, union suits, etc. Serial No. 539,022, Jan. 15. Class 39.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Anti-slip preparation for bowlers' hands. Serial No. 574,014, Jan. 15. Class 6.

Bubble-O-Bill Company: *See*—
Corcoran, Robert J.

Bubble-O-Bill Corporation, assignee: *See*—
Corcoran, Robert J.

Buffalo Evening News: *See* —
Butler, Edward H.

Buffalo Evening News, Inc., assignee: *See*—
Butler, Edward H.

Bulova Watch Company, Inc., New York, N. Y. Photographic recorder. Serial No. 573,523, Jan. 15. Class 26.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 607,483, Jan. 15. Class 27.

Burton-Dixie Corporation, Chicago, Ill. Mattresses. Serial No. 600,023, Jan. 15. Class 32.

Butler County Mushroom Farm, Inc., West Winfield, Pa. Fresh mushrooms. Serial No. 603,658, Jan. 15. Class 46.

Butler, Edward H., individually and as trustee under the last will and testament of Edward H. Butler, deceased, conducting business under the name and style of Buffalo Evening News, assignor to Buffalo Evening News, Inc., Buffalo, N. Y. Entertainment service. Serial No. 539,647, Jan. 15. Class 107.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. Serial No. 592,302, Jan. 15. Class 6.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. Serial No. 611,599, Jan. 15. Class 6.

Cagner, Ruth, Bellmore, N. Y. Preparation for relief of premenstrual tension. Serial No. 610,542, Jan. 15. Class 18.

California Academy of Screen Process: *See*—
Radio-Television Training School, Inc.

Campbell Chain Company, York, Pa. Tire chains. Serial No. 614,648, Jan. 15. Class 13.

Campbell Holton & Co., Bloomington, Ill. Canned fruits and vegetables and canned pork and beans. Serial No. 602,596, Jan. 15. Class 46.

Can-Rite Food Products Company, Modesto, Calif. Canned tomato product. Serial No. 584,478, Jan. 15. Class 46.

Cassidy Mfg. Co.: *See*—
Cassidy, Robert K.

Cassidy, Robert K., doing business under the assumed business name of Cassidy Mfg. Co., Vancouver, Wash. Carts. Serial No 609,227, Jan. 15. Class 22.

Certain-teed Products Corporation, Ardmore, Pa. Sheathing material. Serial No. 602,020, Jan. 15. Class 12.

Chambers Corporation, Shelbyville, Ind. Baffle-equipped heat equalizing apparatus. Serial No. 589,767, Jan. 15. Class 34.

Chapman, Walter G., Louisville, Ky. Serving of foods and beverages in restaurants. Serial No. 608,590, Jan. 15. Class 100.

Charbonneau Packing Corporation, Selah, Wash. Apple juice. Serial No. 611,560, Jan. 15. Class 46.
Chemical Testing Corporation: *See*—
Chemical Testing Institute of America, Inc., The.
Chemical Testing Institute of America, Inc., The, Long Island City, N. Y., now by change of name Chemical Testing Corporation. Chemical to remove excess soot from furnaces, etc. Serial No. 588,080, Jan. 15. Class 52.
Cherry-Burrell Corporation, Chicago, Ill. Metal valves, pod type vat outlets, etc. Serial No. 485,429, Jan. 15. Class 13.
Cher's Famous Foods, Eugene, Oreg. Turkey tamales, chicken tamales, and cheese tamales, etc. Serial No. 572,550, Jan. 15. Class 46.
Chicago Paints, Inc., Chicago, Ill. Ready mixed paints, paint enamel, varnish, etc. Serial Nos. 592,128-9, Jan. 15. Class 16.
Clairmont-Nichols, Inc., New York, N. Y. Spectacles. Serial No. 613,803, Jan. 15. Class 26.
Claridge Publishing Corp., New York, N. Y. Books, magazines, periodicals and brochures. Serial No. 610,201, Jan. 15. Class 38.
Cleveland Provision Company, Cleveland, Ohio. Packing house products. Serial No. 508,209, Jan. 15. Class 46.
Clothier, C. F., & Co.: *See*—
Clothier, Conrad F.
Clothier, Conrad F., doing business under the trade name and style of C. F. Clothier & Co., Baltimore, Md. Comb cleaning preparation. Serial No. 611,342, Jan. 15. Class 52.
Coast Store Fixture and Manufacturing Company: *See*—
Renna, Vito M.
College Inn Food Products Company, Chicago, Ill. Canned cream of pea soup, canned consomme madrilene, canned vegetable soup, etc. Serial No. 573,919, Jan. 15. Class 46.
Collins, Harvey R.: *See*—
Hall, William R., Berning, and Collins.
Colvin Corporation, Long Island City, N. Y. Juvenile furniture. Serial No. 521,243, Jan. 15. Class 32.
Colyer, J. L., Yuma, Ariz. Fresh vegetables and fresh melons. Serial No. 572,551, Jan. 15. Class 46.
Commercial Solvents Corporation, New York, N. Y. Penicillin salt. Serial No. 613,972, Jan. 15. Class 18.
Conlon-Moore Corporation, Conlon Division, Joliet and Chicago, Ill. Kits consisting of grooved phonograph records and pictorial illustrations. Serial No. 533,705, Jan. 15. Class 36.
Consumers Petroleum Company, Indianapolis, Ind. Motor oil. Serial No. 604,467, Jan. 15. Class 15.
Cook Chemical Company, Kansas City, Mo. Insecticides. Serial No. 609,914, Jan. 15. Class 6.
Cook-Waite Laboratories, Inc., New York, N. Y. Anesthetic. Serial No. 614,041, Jan. 15. Class 18.
Cooke, Chetwin S., Haddonfield, N. J. Pancake and waffle batter. Serial No. 589,305, Jan. 15. Class 46.
Corcoran, Robert J., doing business as Bubble-O-Bill Company, Beverly Hills, assignor to Bubble-O-Bill Corporation Los Angeles, Calif. Toy guns. Serial No. 610,258, Jan. 15. Class 22.
Corporacion Argentina de Productores de Carnes, New York, N. Y. Canned corned beef, canned corned beef hash, canned roast beef, etc. Serial Nos. 604,809-10, Jan. 15. Class 46.
Cotton City Wash Frocks, Inc., Fall River, Mass. Ladies', misses', and teen age girls' cotton dresses housecoats, brunch coats, and pinafores. Serial No. 612,732, Jan. 15. Class 39.
Countess Maryla: *See*—
De Wilkowska, Maryla.
Craddock-Terry Shoe Corporation, Lynchburg, Va. Men's and boys' shoes. Serial No. 611,771, Jan. 15. Class 39.
Craddock-Terry Shoe Corporation, Lynchburg, Va. Men's, women's and boys' shoes. Serial No. 611,772, Jan. 15. Class 39.
Croton Chemical Corporation, New York, N. Y. Potassium nitrate (saltpetre), sodium nitrate, borax, boric acid, etc. Serial No. 596,563, Jan. 15. Class 6.
Crown Zellerbach Corporation, also doing business as National Paper Products, Sales Company, San Francisco, Calif. Paper towels and toilet tissue. Serial No. 527,134, Jan. 15. Class 37.
Dairyland Food Laboratories, Inc., Waukesha, Wis. Liquid lipolytic and protrolytic enzyme compositions for developing flavor and modifying the body of cheese. Serial No. 610,956, Jan. 15. Class 46.
Davies Nitrate Co., Inc., New York, N. Y. Concentrated fertilizer. Serial No. 600,534, Jan. 15. Class 10.
Dawnelle, Inc., New York, N. Y. Ladies' and misses' gloves. Serial No. 613,122, Jan. 15. Class 39.
Daystrom, Incorporated, Elizabeth, N. J. Chromed steel tubular, plastic-coated tubular, plastic and wooden furniture. Serial No. 613,769, Jan. 15. Class 32.
Decca Record Company Limited, The, London, England. Mechanically grooved gramophone records. Serial No. 558,872, Jan. 15. Class 36.
Decca Records, Inc., New York, N. Y. Phonograph needles. Serial No. 549,057, Jan. 15. Class 36.
Delira Corporation, Studio City, Calif. Toy holsters. Serial No. 605,944, Jan. 15. Class 22.
Desveaux, Gwendolyn: *See*—
Ferris, Elsie G.
De Wilkowska, Maryla, doing business as Countess Maryla, New York, N. Y. Eau de cologne, men's cologne, cleansing cream, etc. Serial No. 605,647, Jan. 15. Class 51.
Diamond Huller Company, Inc., Winona, Minn. Cottonseed hullers and parts thereof, tow mill machinery and parts thereof, etc. Serial No. 613,130, Jan. 15. Class 23.
Diamond Match Company, The, New York, N. Y. Paper napkins. Serial No. 588,789, Jan. 15. Class 37.
Diminno, David R., doing business as Old Roman Products Co., Canton, Ohio. Grated cheese. Serial No. 612,367, Jan. 15. Class 46.
Disney Color-Ad Inc., Chicago, Ill. Advertising services. Serial No. 611,078, Jan. 15. Class 101.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. Serial No. 600,535, Jan. 15. Class 37.
Doniger, David D., & Co. Inc., New York, N. Y. Men's and boys' wearing apparel. Serial No. 604,841, Jan. 15. Class 39.
Doughboy Industries, Inc., New Richmond, Wis. Thin resinous fabric-like film. Serial No. 608,059, Jan. 15. Class 1.
Dow Jones & Company, Inc., New York, N. Y., assignor to Dow Jones & Company, Inc., Wilmington, Del. Section of a daily newspaper. Serial No. 555,390, Jan. 15. Class 38.
Dunaway, H. D., & Company, Atlanta, Ga. Preparation for use in dry cleaning of garments. Serial No. 573,650, Jan. 15. Class 52.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Synthetic polyester fibers. Serial No. 612,487, Jan. 15. Class 1.
E-Z Bake Products Company, Pittsburgh, Pa., now by change of name Town Square Foods, Inc. Frozen strawberry shortcake. Serial No. 607,169, Jan. 15. Class 46.
Eastern Banana Corp., New York, N. Y. Fresh frozen fish, and fresh frozen shrimp. Serial No. 612,599, Jan. 15. Class 46.
Econo-Pak Register Company: *See*—
Smith, Roy R.
Edmundson, E. E., Jr., Rayne, La. Rice. Serial No. 612,534, Jan. 15. Class 46.
Edwards, William, Company, The, Cleveland, Ohio. Prepared mustards, prepared horseradish. Serial No. 493,177, Jan. 15. Class 46.
Ehle, Robert W., Syracuse, N. Y. Entertainment through the medium of television programs. Serial No. 608,498, Jan. 15. Class 107.
Elliott-Morris Co., The: *See*—
Sloan, George.
Ensign-Shaw Company, Inc., New Canaan, Conn. Display devices. Serial No. 604,426, Jan. 15. Class 50.
Enterprise-Monkler Co. Inc., Cambridge, Mass. Mattresses, studio couches, box springs, etc. Serial No. 585,222, Jan. 15. Class 32.
Ercona Camera Corporation, New York, N. Y. Cameras. Serial No. 613,979, Jan. 15. Class 26.
Ercona Camera Corporation, New York, N. Y. Cameras. Serial No. 613,981, Jan. 15. Class 26.
Ercona Camera Corporation, New York, N. Y. Motion-picture cameras and projectors. Serial No. 613,982, Jan. 15. Class 26.
Espoma Company, The, Millville, N. J. Fertilizers. Serial No. 607,745, Jan. 15. Class 10.
Etablissements Ed. Jaeger, Levallois-Perret, Seine, France. Clocks. Serial No. 601,032, Jan. 15. Class 27.
Ewell, Robert G., Berkeley, Calif. Portable bar consisting of a fitted piece of luggage with compartments therein. Serial No. 605,788, Jan. 15. Class 3.
FR Corporation, The, New York, N. Y. Projector. Serial No. 612,318, Jan. 15. Class 26.
Fairhurst, John T., Co. Inc., New York, N. Y. Wardrobes, folding partitions and structural parts for wardrobes and folding partitions. Serial No. 609,172, Jan. 15. Class 32.
Falcon Record Company, Mission, Tex. Grooved phonograph records. Serial No. 606,703, Jan. 15. Class 36.
Fanmour Corporation, New York, N. Y. Necklaces embodying artificial pearls. Serial No. 593,792, Jan. 15. Class 28.
Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation of hypophosphites. Serial No. 598,991, Jan. 15. Class 18.
Felters Company, The, Boston, Mass. Felts. Serial No. 613,124, Jan. 15. Class 50.
Ferguson, J. L., Company, Joliet, Ill. Package filling machines. Serial No. 527,495, Jan. 15. Class 23.
Ferris, Elsie G., doing business as Gwendolyn Desveaux, Alpena, Mich. Perfume and cologne. Serial No. 605,937, Jan. 15. Class 51.
Fessler, Julius H., doing business as Berkeley Yeast Laboratory, Berkeley, Calif. Chemical composition. Serial No. 611,950, Jan. 15. Class 6.
Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural or synthetic aromatic chemicals and essential oils. Serial No. 601,980, Jan. 15. Class 52.
Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.

Firmenich Incorporated, New York, N. Y. Artificial and synthetic perfumery compositions, natural and synthetic oils and aromatic chemicals. Serial No. 605,475, Jan. 15. Class 51.
Food Machinery and Chemical Corporation, San Jose, Calif. Tractors. Serial No. 577,379, Jan. 15. Class 23.
Food Machinery and Chemical Corporation, San Jose, Calif. Agricultural and horticultural spraying and dusting machines. Serial No. 579,679, Jan. 15. Class 23.
Fordin Watch Company: *See*—
Moradpour, Zoekrya.
Foster Lumber Company, Kansas City, Mo. Asphalt base aluminum paint, ready mixed asphalt base aluminum paint, etc. Serial No. 609,237, Jan. 15. Class 16.
Fromme, H. S., & Co., Inc., New York, N. Y. Tea. Serial No. 597,332, Jan. 15. Class 46.
G. H. S. Corporation, New York, N. Y. Hair nets. Serial No. 595,207, Jan. 15. Class 39.
G & W Leather Goods Supply Co., Inc., New York, N. Y. Backings for use in the making of belts. Serial No. 613,811, Jan. 15. Class 40.
General American Transportation Corporation, Chicago, Ill. Leasing freight cars. Serial No. 611,268, Jan. 15. Class 105.
General Ceramics & Steatite Corp., Keasbey, N. J. Impregnated graphite plate heaters and tube and shell heat exchangers. Serial No. 578,787, Jan. 15. Class 34.
Gerda Footwear Co., Inc., New York, N. Y. Men's, women's and children's shoes. Serial No. 610,841, Jan. 15. Class 39.
Gerlach-Barklow Co., The, Joliet, Ill. Printed wall calendars, printed greeting cards, printed greeting folders, etc. Serial No. 610,173, Jan. 15. Class 38.
Germaine Monteil Cosmetiques Corporation, New York, N. Y. Liquid make-up base. Serial No. 612,905, Jan. 15. Class 51.
Germaine Monteil Parfums Co., New York, N. Y. Cologne, toilet water, perfume, etc. Serial No. 609,723, Jan. 15. Class 51.
Gerry Nufoam Products Corporation, New York, N. Y. Pillows. Serial Nos. 592,623-4, Jan. 15. Class 32.
Gift Maker Company: *See*—
Hagstrom, Marjorie J.
Gla-Zol Corporation, Dallas, Tex. Chemical preparation. Serial No. 582,286, Jan. 15. Class 6.
Goldsmith, Samuel R., & Son, Inc., New York, N. Y. Ladies' handbags. Serial No. 613,912, Jan. 15. Class 3.
Gotham Tissue Corporation, Salem, N. Y. Toilet paper, paper facial tissues, paper napkins, etc. Serial No. 609,855, Jan. 15. Class 37.
Great Plains Seed Co., Sioux Falls, S. Dak. Alfalfa seed. Serial No. 531,110, Jan. 15. Class 1.
Griggs, Cooper & Company, St. Paul, Minn. Fruit preserves, jellies, marmalade, etc. Serial No. 609,647, Jan. 15. Class 46.
Gro-Ur-Own Chemical Gardens, Inc., Seattle, Wash. Fertilizers. Serial No. 600,130, Jan. 15. Class 10.
Gulf States Paper Corporation, Tuscaloosa, Ala. Periodic magazine. Serial No. 617,291, Jan. 15. Class 38.
Hadley, Charles R., Company, Los Angeles, Calif. Partially printed marginally punched cards. Serial No. 609,035, Jan. 15. Class 37.
Hagstrom, Marjorie J., doing business as Gift Maker Company, Kansas City, Mo. Handicraft kits. Serial No. 588,687, Jan. 15. Class 50.
Hall, William R., H. C. Berning, and H. R. Collins, Angola, Ind. Game. Serial No. 594,539, Jan. 15. Class 22.
Hancock, John, Mutual Life Insurance Company, Boston, Mass. Underwriting of life and endowment insurance, annuity and pure endowment insurance, etc. Serial No. 612,393, Jan. 15. Class 102.
Handbag Metal Specialties, Inc., New York, N. Y. Ladies' handbags. Serial No. 605,656, Jan. 15. Class 3.
Harbor Plywood Corporation, Aberdeen, Wash. Plywood. Serial No. 610,787, Jan. 15. Class 12.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Pencils. Serial No. 601,104, Jan. 15. Class 37.
Harrell, Dewey B., doing business as Harrell Sewing Machine Co., Wichita, Kans. Sewing machines and attachments therefor. Serial No. 569,379, Jan. 15. Class 23.
Harrell Sewing Machine Co.: *See*—
Harrell, Dewey B.
Hartman Coal Company: *See*—
Hartman, Raymond.
Hartman, Raymond, doing business as Hartman Coal Company, Kingwood, W. Va. Coal. Serial No. 602,260, Jan. 15. Class 1.
Hesmer, Inc., Evansville, Ind. Potato chips, cheese flavored salted popcorn, etc. Serial No. 591,572, Jan. 15. Class 46.
Heyden Chemical Corporation, New York, N. Y. Formaldehyde and solutions containing formaldehyde. Serial No. 610,267, Jan. 15. Class 6.
Hi-Yield Fertilizer Co., Bonham, Tex. Insecticides. Serial No. 611,784, Jan. 15. Class 6.
Hoffman, Martin, Co., Livonia, Mich. Building fronts. Serial No. 606,775, Jan. 15. Class 12.
Hollingshead, R. M., Corporation, Camden, N. J. Hydraulic fluid. Serial No. 615,896, Jan. 15. Class 6.
Holmes Cosmetics, Inc., Baltimore, Md. Home permanent wave kit. Serial No. 612,692, Jan. 15. Class 44.
Hopp Press, Inc., The, New York, N. Y. Plastic and metal identification tags, markers, etc. Serial No. 608,545, Jan. 15. Class 50.
Hysan Products Company, Chicago, Ill. Aerosol bombs. Serial No. 610,975, Jan. 15. Class 6.
Ice Kist Packing Company, Salinas, Calif. Fresh lettuce. Serial No. 560,412, Jan. 15. Class 46.
Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Core drills. Serial No. 612,547, Jan. 15. Class 23.
Ingle, Oliver W., Portland, Oreg. Extruded two-piece aggregate clay tile. Serial No. 611,522, Jan. 15. Class 12.
Intermountain Transportation Company, Anaconda, Mont. Bus transportation services. Serial No. 612,743, Jan. 15. Class 105.
International Bedding Company, The, Baltimore, Md. Cotton mattresses, cotton felt mattresses, etc. Serial No. 604,304, Jan. 15. Class 32.
International Legal Fraternity of Phi Delta Phi, The, Boulder, Colo. Magazine. Serial No. 605,307, Jan. 15. Class 38.
International Paint Company, Inc., New York, N. Y. Ready-mixed antifouling bottom paints. Serial No. 615,980, Jan. 15. Class 16.
Island Equipment Corp., Long Island City, N. Y. Belt conveyor. Serial No. 585,070, Jan. 15. Class 23.
Jackson, Byron, Co., Los Angeles, Calif. Oil field services. Serial No. 577,673, Jan. 15. Class 103.
Jackson Fertilizer Co., Jackson, Miss. Agricultural fertilizer. Serial No. 608,705, Jan. 15. Class 10.
Jaxton Manufacturing Corporation, Glens Falls, N. Y. Toy trucks. Serial No. 608,870, Jan. 15. Class 22.
Jeffries, Lincoln, Birmingham, England. Air gun pellets. Serial No. 591,684, Jan. 15. Class 9.
Johns-Manville Corporation, New York, N. Y. Diatomaceous silica. Serial No. 595,465, Jan. 15. Class 1.
Judy-Lee Sales Co., Kansas City, Mo. Frozen milk mixture. Serial No. 585,481, Jan. 15. Class 46.
Keller, Belle S., doing business as Keller Publishing Company, New York, N. Y. Magazine. Serial No. 612,332, Jan. 15. Class 38.
Keller Publishing Company: *See*—
Keller, Belle S.
Kent-Moore Organization, Inc., Detroit, Mich. Hand, clamping, cutting, tightening, bending, driving, pulling, and work piece supporting tools, etc. Serial No. 577,124, Jan. 15. Class 23.
Kenwill Corporation, The, Cleveland, Ohio. Roller-type paint applicator. Serial No. 581,486, Jan. 15. Class 29.
Kestenman Bros. Mfg. Co., Providence, R. I. Bracelets, clasps, and buckles. Serial No. 610,692, Jan. 15. Class 28.
Keystone View Company, Meadville, Pa. Shutter arranged for timing accurately the exposure of indicia projects onto a screen. Serial No. 555,892, Jan. 15. Class 26.
Klik Enterprises, Inc., New York, N. Y. Chain and clip ornamented with precious metal. Serial No. 605,099, Jan. 15. Class 28.
Knapp-Monarch Company, St. Louis, Mo. (a corporation of Delaware), assignee of Knapp Monarch Company (a corporation of Missouri). Pyrophoric and catalytic lighters. Serial No. 476,803, Jan. 15. Class 8.
Knapp-Monarch Company, St. Louis, Mo. Hair clippers and electric shavers. Serial No. 566,014, Jan. 15. Class 23.
Knoll Associates, Inc., New York, N. Y. Curtain and upholstery fabrics. Serial No. 617,503, Jan. 15. Class 42.
Koch, Samuel J., doing business as The Pyramid Instrument Company, New York, N. Y. Clamp type voltammeters. Serial No. 591,628, Jan. 15. Class 26.
Kresge, S. S., Company, Detroit, Mich. Mouth harmonicas. Serial No. 609,930, Jan. 15. Class 36.
Laser Laboratories: *See*—
Laser, Thomas S.
Laser, Thomas S., doing business as Laser Laboratories, Minneapolis, Minn. Liquid preparation for restoring gray or faded hair to its natural color. Serial No. 605,861, Jan. 15. Class 51.
Ledeen, Hyman, doing business as Ledeen Manufacturing Co., Los Angeles, Calif. Electric hoists. Serial No. 618,237, Jan. 15. Class 21.
Ledeen Manufacturing Co.: *See*—
Ledeen, Hyman.
Lehn & Fink Products Corporation, Bloomfield, N. J. Perfumes, eau de cologne, toilet water, etc. Serial No. 607,256, Jan. 15. Class 51.
Les Laboratoires Gobey, Paris, France. Medicinal preparation. Serial No. 606,784, Jan. 15. Class 18.
Lewis & Tylor Limited, Cardiff, Wales. Machine belting. Serial No. 576,975, Jan. 15. Class 35.
Lightfoot Schultz Company, New York, N. Y. Sulphonated liquid hand cleaner. Serial No. 614,604, Jan. 15. Class 52.
Light Inspection Car Works: *See*—
Vunlit Corporation.
Lith-I-Bar Company, Holland, Mich. Moulding machines. Serial No. 572,257, Jan. 15. Class 23.

Lohmann Foods Corp., Gorham, N. Y. Bottled and canned red cabbage and sweet pickled beets. Serial No. 609,487, Jan. 15. Class 46.

Luchs, Joseph, doing business as Joseph Luchs and Staff, Philadelphia, Pa. Educational literature. Serial No. 612,810, Jan. 15. Class 38.

Luchs, Joseph, and Staff: *See*—
Luchs, Joseph.

Mack, Andrew, & Son: *See*—
Mack, Glenwood S.

Mack, Glenwood S., doing business as Andrew Mack & Son, Jonesville, Mich. Brushes. Serial No. 608,424, Jan. 15. Class 29.

Mack & Willies Co., Cleveland, Ohio, by change of name from Mack & Willies Inc. Rheumatic balm. Serial No. 586,538, Jan. 15. Class 18.

Mack & Willies Inc.: *See*—
Mack & Willies Co.

Mallinekrodt Chemical Works, St. Louis, Mo. Aluminum soaps. Serial No. 615,017, Jan. 15. Class 6.

Mara Laboratories, Inc., The, Harrison, N. J. Medicinal preparation. Serial No. 613,079, Jan. 15. Class 18.

Marathon Corporation, Rothschild, Wis. Paper napkins. Serial No. 613,013, Jan. 15. Class 37.

Marbon Corporation, Gary, Ind. Synthetic resins, and blends of synthetic resins. Serial No. 609,806, Jan. 15. Class 6.

March Engineering Company, Oshkosh, Wis., assignor, by mesne assignments, to Vulcan Manufacturing Co., Inc., Winona, Minn. Hydraulic jacks. Serial No. 534,040, Jan. 15. Class 23.

Marine Products Company, Detroit, Mich. Sump pumps. Serial No. 518,158, Jan. 15. Class 23.

Marshall's, Omaha, Nebr. Sandwiches. Serial No. 592,823, Jan. 15. Class 46.

Maryland Baking Company, Inc., Baltimore, Md. Ice cream cones. Serial No. 578,608, Jan. 15. Class 46.

Maryland Biscuit Company, The, Baltimore, Md. Graham wafers. Serial No. 525,900, Jan. 15. Class 46.

Masclet, Francesca: *See*—
Masclet, Marie-Francoise.

Masclet, Marie-Francoise, known in business under the name Francesca Masclet, Paris, France. Perfume and cosmetics. Serial No. 602,077, Jan. 15. Class 51.

Massachusetts Mattress Company, Boston, Mass. Mattresses and box springs. Serial No. 523,903, Jan. 15. Class 32.

Mathieson Chemical Corporation, assignee: *See*—
Southern Acid & Sulphur Company, Incorporated.

McKee, Milton G., Youngstown, Ohio. Merry-go-round. Serial No. 598,919, Jan. 15. Class 22.

Metropolitan Photo Co.: *See*—
Mosberg, Paul J.

Miami Margarine Company, The, Cincinnati, Ohio. Margarine. Serial No. 549,647, Jan. 15. Class 46.

Michel, Ernest J., New York, N. Y. Men's shirts and women's blouses. Serial No. 600,301, Jan. 15. Class 39.

Midland Laboratories, Dubuque, Iowa. Self-polishing waxes. Serial No. 516,626, Jan. 15. Class 16.

Midwest Plywood Company, Detroit, Mich. Fibre floor or wall tile. Serial No. 592,716, Jan. 15. Class 12.

Milk Products, Inc., Philadelphia, Pa. Swine and poultry feeds. Serial No. 576,872, Jan. 15. Class 46.

Miller Hatcheries, Waverly, Iowa. Hatching eggs and baby chicks. Serial No. 603,122, Jan. 15. Class 1.

Mills, James, Orchards Company, Hamilton City, Calif. Fresh fruits, dried deciduous fruits, frozen cooked deciduous fruits, etc. Serial No. 600,065, Jan. 15. Class 46.

Mondial Company, Inc., New York, N. Y. Canned fish. Serial No. 594,136, Jan. 15. Class 46.

Moradpour, Zoekrya, doing business as Fordin Watch Company, New York, N. Y. Watches and parts thereof. Serial No. 611,236, Jan. 15. Class 27.

Mosberg, Paul J., doing business under the name Metropolitan Photo Co., Seattle, Wash. Photographic album covers, binding clips, and acetate shields. Serial No. 613,601, Jan. 15. Class 37.

Motor Wheel Corporation, Lansing, Mich. Automatic draft regulator. Serial No. 555,290, Jan. 15. Class 34.

Movado Watch Agency, Inc., New York, N. Y. Watches. Serial No. 611,039, Jan. 15. Class 27.

Munising Paper Company, The, Chicago, Ill. Chemically treated paper sheets used for cleaning and polishing. Serial No. 603,246, Jan. 15. Class 4.

Murcott, Alfred, Richmond Hill, N. Y. Golf carts. Serial No. 608,428, Jan. 15. Class 22.

Murphy, Brill & Sahner, Inc., New York, N. Y. Hosiery. Serial No. 607,443, Jan. 15. Class 39.

N. Frontalini & Figli, Numana, Italy. Wind instruments. Serial No. 584,949, Jan. 15. Class 36.

N. V. Nederlandsche Wolspinnerij, Leiden, Netherlands. Woolen and part-woolen yarns. Serial No. 603,975, Jan. 15. Class 43.

N. V. Nederlandsche Wolspinnerij, Leiden, Netherlands. Woolen yarns. Serial No. 603,977, Jan. 15. Class 43.

National Brass Company, Grand Rapids, Mich. Door locks. Serial No. 604,656, Jan. 15. Class 25.

National Paper Products Sales Company: *See*—
Crown Zellerbach Corporation.

National Pressure Cooker Company, Eau Claire, Wis. Pressure cookers and pressure canners. Serial No. 539,552, Jan. 15. Class 13.

National Silver Company, New York, N. Y. Silverplated flatware. Serial Nos. 613,140–1, Jan. 15. Class 28.

Neiman Steel Equipment Company, Inc., Philadelphia, Pa. Steel shelving units, upright divided wall parts-bins, tool storage cabinets, etc. Serial No. 579,205, Jan. 15. Class 32.

Neo-Photo: *See*—
Robinson, Harold B.

Norman, Leslie, doing business under the name of Precision Radiation Instruments, Los Angeles, Calif. Geiger counter. Serial No. 617,259, Jan. 15. Class 26.

Northern Paper Mills, Green Bay, Wis. Paper products. Serial No. 548,671, Jan. 15. Class 37.

Nukem Products Corporation, Buffalo, N. Y. Acid-proof resinous cement. Serial No. 609,737, Jan. 15. Class 12.

Nurre Companies, Inc., The, Bloomington, Ind. Glass mirrors. Serial No. 613,780, Jan. 15. Class 32.

Oklahoma Furniture Manufacturing Company, Guthrie, Okla. Upholstered furniture. Serial No. 606,927, Jan. 15. Class 32.

Old Roman Products Co.: *See*—
Diminno, David R.

On Your Toes, Inc., New York, N. Y., assignor to Randolph-Tenney, Inc., Chicago, Ill. Foot lotion. Serial No. 601,556, Jan. 15. Class 51.

Orange Food Products, Inc., Dorchester, Mass. Orange-flavored syrups and bases. Serial No. 565,647, Jan. 15. Class 45.

Pacific Car and Foundry Company, Renton, Wash. Wire rope fittings. Serial No. 597,540, Jan. 15. Class 13.

Pacific Fruit & Produce Co.: *See*—
Pacific Gamble Robinson Company.

Pacific Gamble Robinson Company, doing business as Pacific Fruit & Produce Co., Seattle, Wash. Fresh potatoes. Serial No. 604,703, Jan. 15. Class 46.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Heavy bodied lubricating grease. Serial No. 596,937, Jan. 15. Class 15.

Parfumerie de Raymond, New York, N. Y. Perfume, toilet water and talcum powder. Serial No. 613,020, Jan. 15. Class 51.

Parrott & Co., San Francisco, Calif. Canned fish and canned shellfish. Serial No. 610,020, Jan. 15. Class 46.

Pasolds Limited, Langley, England. Underwear, pyjamas, dressing gowns, etc. Serial No. 591,315, Jan. 15. Class 39.

Pearce, Charles R., Pittsburgh, Pa. Containers. Serial No. 568,114, Jan. 15. Class 2.

Penn Hardware Company, Reading, Pa. Latches, locks and parts thereof and chain door fasteners. Serial Nos. 592,384–5, Jan. 15. Class 25.

Physicians and Hospitals Supply Company, Inc., Minneapolis, Minn. Medical preparation. Serial No. 611,964, Jan. 15. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medicinal preparation. Serial No. 611,969, Jan. 15. Class 18.

Piedmont Mop Company, Incorporated, Charlotte, N. C. Mops and mop heads. Serial Nos. 604,024–8, Jan. 15. Class 29.

Pioneer Rubber Company, The, Willard, Ohio. Household and industrial gloves. Serial No. 612,033, Jan. 15. Class 39.

Pitch-O-Matic Baseball Corporation, Hackensack and Lodi, N. J. Machine for pitching base balls. Serial No. 611,582, Jan. 15. Class 22.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Sheet glass. Serial No. 603,856, Jan. 15. Class 33.

Plomb Tool Company, The, Los Angeles, Calif. Tools. Serial No. 614,159, Jan. 15. Class 23.

Plymouth Manufacturing Company, Boston, Mass. Men's topcoats and raincoats. Serial No. 613,524, Jan. 15. Class 39.

Porta-Bed Co., Inc., The, Dallas, Tex. Portable baby bed. Serial No. 608,077, Jan. 15. Class 32.

Precision Radiation Instruments: *See*—
Norman, Leslie.

Pyramid Instrument Company, The: *See*—
Koch, Samuel J.

Radford Supply Company, Glendale, Calif. Steel sash window frames and steel sash metal surrounds. Serial No. 607,901, Jan. 15. Class 12.

Radio-Television Training School, Inc., also doing business as California Academy of Screen Process, Los Angeles, Calif. Teaching screen process printing by correspondence. Serial No. 607,141, Jan. 15. Class 107.

Raleigh Cycle Co. Limited, The, Nottingham, England. Bicycles, and parts therefor. Serial No. 591,586, Jan. 15. Class 19.

Randolph-Tenney, Inc., assignee: *See*—
On Your Toes, Inc.

Rath Packing Company, The, Waterloo, Iowa. Dressed young chickens, dressed fowl, and dressed young tom turkeys. Serial No. 600,972, Jan. 15. Class 46.

Rath Packing Company, The, Waterloo, Iowa. Ham, pork shoulder picnic, pork shoulder butt, etc. Serial No. 604,228, Jan. 15. Class 46.

Raybestos-Manhattan, Inc., Passaic, N. J. Heat insulating material. Serial No. 585,247, Jan. 15. Class 12.

Raytheon Manufacturing Company, Newton, Mass. Radio navigation apparatus. Serial No. 597,697, Jan. 15. Class 26.

Red Top Brewing Company, Cincinnati, Ohio. Ale. Serial No. 605,609, Jan. 15. Class 48.

Renna, Vito M., doing business as Const Store Fixture and Manufacturing Company, Los Angeles, Calif. Wardrobes and refreshment bars. Serial No. 591,514, Jan. 15. Class 32.

Retlif Corporation, Hollywood, Calif. Removable filter paper. Serial No. 592,843, Jan. 15. Class 37.

Revelation Supplies Limited, Chiswick, London, England. Suitcases, week-end cases, wardrobe trunks, etc. Serial No. 605,058, Jan. 15. Class 3.

Revelation Supplies Limited, Chiswick, London, England. Suitcases, week-end cases, attache cases, etc. Serial No. 605,059, Jan. 15. Class 3.

Rhode Island Textile Company, Pawtucket, R. I. Shoe laces. Serial No. 613,731, Jan. 15. Class 40.

Richmond Broom Company, Richmond, Va. Household brooms. Serial No. 600,510, Jan. 15. Class 29.

Rincon, E. A., & Co.: *See*—
Rincon, Enrique A.

Rincon, Enrique A., doing business under the firm name and style of E. A. Rincon & Co., Fresno, Calif. Wheat flour. Serial No. 604,116, Jan. 15. Class 46.

Robbins, Anatole, Inc., Los Angeles, Calif. Cologne. Serial No. 614,033, Jan. 15. Class 52.

Roberts, J. W., Limited, Leeds, England. Thermal insulation material, asbestos fibre, asbestos sheets and panels, etc. Serial No. 611,723, Jan. 15. Class 12.

Robinson, Harold B., doing business under the name and style of Neo-Photo, New York, N. Y. Photographic prints. Serial No. 597,296, Jan. 15. Class 38.

Rollit & Haight Plastic Co.: *See*—
Rollit, Valgerta M.

Rollit, Valgerta M., doing business as Rollit & Haight Plastic Co., Santa Cruz, Calif. Liquid cleaner and polish. Serial No. 596,050, Jan. 15. Class 4.

St. Louis Music Supply Co., St. Louis, Mo. Accordions, banjos, bugles, etc. Serial No. 571,294, Jan. 15. Class 36.

Sales Affiliates, Inc., New York, N. Y. Color and dye remover for use on human hair. Serial No. 595,682, Jan. 15. Class 51.

Sanitary Refrigerator Company, Fond du Lac, Wis. Refrigerated cabinets and multiple combination units thereof. Serial No. 609,700, Jan. 15. Class 31.

Sargeant Acnold Pharmaceutical Co., Inc., assignee: *See*—
Sargeant, Stanley M.

Sargeant, Stanley M., assignor to Sargeant Acnold Pharmaceutical Co., Inc., Highland Mills, N. Y. Medicinal salves, ointments, rectal suppositories, etc. Serial No. 597,786, Jan. 15. Class 18.

Savage Bros. Co., Chicago, Ill. Tilting mixer, revolving coating pans, etc. Serial No. 609,495, Jan. 15. Class 23.

Schering Corporation, Bloomfield, N. J. Analgesic. Serial No. 614,166, Jan. 15. Class 18.

Schwabacher-Frey Company, San Francisco, Calif. Lithographed labels. Serial No. 612,706, Jan. 15. Class 38.

Scramlin, Henry W., trading and doing business under the name of Terminal Van Lines, St. Petersburg, Fla. Motor van transportation. Serial No. 609,884, Jan. 15. Class 105.

Sealube Company, The, Reading, Mass. Plastic pipe joint compound. Serial No. 602,643, Jan. 15. Class 12.

Security Steel Equipment Corporation, Woodbridge, N. J. Metal office furniture. Serial No. 558,816, Jan. 15. Class 32.

Seelman, George, & Sons Co., Milwaukee, Wis. Memo book covers, check book covers, and other book covers, etc. Serial No. 608,021, Jan. 15. Class 37.

Service Industries (a trust), Philadelphia, Pa. Acid proof plastic coating. Serial No. 613,609, Jan. 15. Class 16.

Shawinigan Products Corporation, New York, N. Y. Acetylene carbon black. Serial No. 603,464, Jan. 15. Class 6.

Shawinigan Products Corporation, New York, N. Y. Synthetic resins. Serial No. 607,967, Jan. 15. Class 6.

Shifman Bros., Newark, N. J. Mattresses. Serial No. 600,925, Jan. 15. Class 32.

Silex Company, The, Hartford, Conn. Glass jars. Serial No. 606,241, Jan. 15. Class 33.

Siris, A. J., Products Corp., New York, N. Y. Face powder, lipstick, lip pencil, etc. Serial No. 611,245, Jan. 15. Class 52.

Siris, A. J., Products Corp., New York, N. Y. Powder puffs. Serial No. 611,457, Jan. 15. Class 29.

Sloan, George, doing business as The Elliott-Morris Co., Lynn, Mass. Juvenile baseball gloves and sponge rubber baseballs. Serial No. 612,763, Jan. 15. Class 22.

Small Town & Farm Markets Institute, Incorporated, New Canaan, Conn. Published analyses. Serial No. 593,691, Jan. 15. Class 38.

Smith, Chester W., doing business under the name of Whitfield Chemical Company, Detroit, Mich. Cleaning solution. Serial No. 601,473, Jan. 15. Class 52.

Smith, Roy R., doing business as Econo-Pak Register Company, Kansas City, Mo. Partially printed record forms. Serial No. 540,475, Jan. 15. Class 37.

Snowfleece, Inc., Chicago, Ill. Homogenized shortening. Serial No. 602,343, Jan. 15. Class 46.

Societe de Faconnage et de Commerce, Velaines, France. Musical instruments. Serial No. 573,692, Jan. 15. Class 36.

Somnyl Pharmacal Corporation of America, New York, N. Y. Mild sedative. Serial No. 613,196, Jan. 15. Class 18.

Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y. Sulphur. Serial No. 576,152, Jan. 15. Class 6.

Speed-Flex, Inc., Webster City, Iowa. Laundry equipment. Serial No. 591,809, Jan. 15. Class 24.

Speidel Corporation, Providence, R. I. Watch bracelets. Serial No. 599,059, Jan. 15. Class 28.

Speidel Corporation, Providence, R. I. Watch bracelets. Serial No. 599,847, Jan. 15. Class 28.

Sperry Corporation, The, Great Neck, N. Y. Automatic and manual marine vehicle steering systems. Serial No. 586,257, Jan. 15. Class 23.

Spicknal, Incorporated, Hannibal, Mo. Work-bench or table. Serial Nos. 612,360–1, Jan. 15. Class 23.

Staley Milling Company, North Kansas City, Mo. Medicinal preparation. Serial No. 607,881, Jan. 15. Class 18.

Stanley Home Products, Inc., Westfield, Mass. Faucet adapter, griddles, coffee percolators, etc. Serial No. 604,399, Jan. 15. Class 13.

Stauffer Chemical Company, San Francisco, Calif. Wetting agent. Serial No. 591,754, Jan. 15. Class 6.

Steinwender, Stoffregen & Co., New York, N. Y. Green coffee. Serial No. 616,252, Jan. 15. Class 46.

Sten-C-Labl Incorporated, St. Paul, Minn. Duplicating hand stamps, and stencils. Serial No. 518,177, Jan. 15. Class 23.

Stewart Paint Manufacturing Company, Minneapolis, Minn. Liquid filler for wood surfaces, glazing liquid paint, stipple flat white paint, etc. Serial No. 575,727, Jan. 15. Class 16.

Stocker Manufacturing Company, Netcong, N. J. Wrapping paper. Serial No. 613,534, Jan. 15. Class 37.

Stocker Manufacturing Company, Netcong, N. J. Wrapping paper. Serial No. 613,537, Jan. 15. Class 37.

Stoody Company, Whittier, Calif. Welding rods. Serial No. 613,029, Jan. 15. Class 14.

Stoody Company, Whittier, Calif. Quarterly publication. Serial No. 613,030, Jan. 15. Class 38.

Strohmeyer & Arpe Company, New York, N. Y. Olives. Serial No. 584,166, Jan. 15. Class 46.

Superior Watch Corporation, New York, N. Y. Watches and parts thereof. Serial No. 612,631, Jan. 15. Class 27.

Switzer Brothers, Inc., Cleveland, Ohio. Oil paints, water colors, undercoater therefor, etc. Serial No. 603,967, Jan. 15. Class 16.

Tarrant Manufacturing Company, Saratoga Springs, N. Y. Sprayers, mechanical spreaders, sanding machines, etc. Serial No. 579,063, Jan. 15. Class 23.

Taylor-Colquitt Co., Spartanburg, S. C. Preserved lumber. Serial No. 609,423, Jan. 15. Class 12.

Terminal Van Lines: *See*—
Scramlin, Henry W.

Tiffany Asphalt and Grease Works: *See*
American Lubricants Company, The.

Tomic Taters, Harlingen, Tex. French fried potatoes. Serial No. 587,511, Jan. 15. Class 46.

Town Square Foods, Inc.: *See*—
E-Z Bake Products Company.

Treasure Masters Corporation, Minneapolis, Minn. Perfumed sachets. Serial No. 608,523, Jan. 15. Class 51.

Trimfoot Company, Farmington, Mo. Women's and children's shoes. Serial No. 608,685, Jan. 15. Class 39.

Truscon Steel Company, Youngstown, Ohio. Products made of steel and other materials. Serial No. 604,042, Jan. 15. Class 12.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.

United States Graphite Company, Division of The Wickes Corporation, The, Saginaw, Mich. Prepared graphite. Serial No. 599,912, Jan. 15. Class 1.

U. S. Handbag Corporation, New York, N. Y. Ladies' handbags, wallets, travelling cases and beach bags. Serial No. 614,322, Jan. 15. Class 3.

U. S. Handbag Corporation, New York, N. Y. Ladies' handbags, wallets, travelling cases and beach bags. Serial No. 614,525, Jan. 15. Class 3.

U. S. Handbag Corporation, New York, N. Y. Ladies' handbags, wallets, travelling cases and beach bags. Serial No. 614,586, Jan. 15. Class 3.

United States Oralizer Corporation, New York, N. Y. Combination tooth-brushes and tongue cleaners. Serial No. 609,988, Jan. 15. Class 29.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Serial No. 617,894, Jan. 15. Class 22.

United States Safety Razor Service Co., Kansas City, Mo. Face shields and goggles. Serial No. 606,501, Jan. 15. Class 26.

Universal Fountain Pen & Pencil Co., assignor to Universal Fountain Pen & Pencil Co., Inc., New York, N. Y. Fountain pens. Serial No. 563,378, Jan. 15. Class 37.

Universal Fountain Pen & Pencil Co., Inc., assignee: *See*—
Universal Fountain Pen & Pencil Co.
Utility Appliance Corp., Los Angeles, Calif. Individual water pumps, individual V-belt pulleys. Serial No. 503,684, Jan. 15. Class 23.
Van Cleef Bros., Inc., Chicago, Ill. Bearing blue. Serial No. 601,001, Jan. 15. Class 6.
Van Dusen Harrington Co., Minneapolis, Minn. Rye flour. Serial No. 545,663, Jan. 15. Class 46.
Vermiculite Institute, Evanston, Ill. Expanded vermiculite products. Serial No. 578,239, Jan. 15. Class 12.
Victor Equipment Company, San Francisco, Calif. Coated and uncoated welding rods. Serial No. 596,762, Jan. 15. Class 14.
Vitamix Corporation, Philadelphia, Pa. Composition of Amphetamine hydrochloride, thyroid, atropine sulfate, etc. Serial No. 603,031, Jan. 15. Class 18.
Voigt Milling Company, Grand Rapids, Mich. Enriched wheat flour, wholewheat flour, cake flour, etc. Serial No. 615,587, Jan. 15. Class 46.
Vola Laboratories: *See*
Weber, Loretta.
Vulcan Manufacturing Co., Inc., assignee: *See*—
March Engineering Company.
Vunlit Corporation, doing business as Light Inspection Car Works, Hagerstown, Ind. Automatic centrifugal clutches. Serial No. 606,350, Jan. 15. Class 23.
Waco Aircraft Company, The, Troy, Ohio. Electrically operating time interval measuring devices. Serial No. 575,383, Jan. 15. Class 26.
Wallace Manufacturing Company, North Kansas City, Mo. Decorative wall boarding. Serial No. 611,463, Jan. 15. Class 12.
Wass Food Products Co., Chicago, Ill. Salad dressing, mayonnaise dressing, pancake mix, etc. Serial No. 610,242, Jan. 15. Class 46.
Weatherhead Company, The, Cleveland, Ohio. Valves. Serial No. 573,347, Jan. 15. Class 13.
Weber, Loretta, doing business as Vola Laboratories, Philadelphia, Pa. Hair oil and hair combing and conditioning liquid. Serial No. 607,910, Jan. 15. Class 51.
West Disinfecting Company, Long Island City, N. Y. Industrial aprons and sleeves. Serial No. 611,162, Jan. 15. Class 39.
West Disinfecting Company, Long Island City, N. Y. Hand mop, wax hand mop. Serial No. 611,164, Jan. 15. Class 29.
West Laboratories, Inc., Long Island City, N. Y. Antiseptic preparation. Serial No. 613,540, Jan. 15. Class 18.
West Laboratories, Inc., Long Island City, N. Y. Chemical compositions. Serial No. 613,543, Jan. 15. Class 6.
West Laboratories, Inc., Long Island City, N. Y. Antiseptic preparation. Serial No. 613,544, Jan. 15. Class 18.
White House Milk Company, Inc., New York, N. Y. Canned evaporated milk. Serial No. 610,154, Jan. 15. Class 46.
White Valley Corporation, Amsterdam, N. Y. Men's, women's and children's lumber jackets, bomber jackets, surcoat jackets, etc. Serial No. 605,187, Jan. 15. Class 39.
Whitfield Chemical Company: *See*
Smith, Chester W.
Whiting, Frank M., & Company, Meriden, Conn. Sterling and plated silver hollowware. Serial No. 607,888, Jan. 15. Class 28.
Whitmoyer Laboratories, Inc., Myerstown, Pa. Trace mineral mixture. Serial No. 612,671, Jan. 15. Class 18.
Whitney, Melvin, and Company, Los Angeles, Calif. Costume jewelry. Serial No. 608,045, Jan. 15. Class 28.
Williams & Williams Limited, Chester, England, assignor to Aluminex Incorporated, Los Angeles, Calif. Aluminum alloy glazing bar. Serial No. 523,225, Jan. 15. Class 12.
Willis Hosiery Mills, Inc., Concord, N. C. Hosiery. Serial No. 611,927, Jan. 15. Class 39.
Wilner, Morris, Pittston, Pa. Wallpapers. Serial No. 553,158, Jan. 15. Class 37.
Winston Bros. Company, Minneapolis, Minn. Construction services and construction engineering in the construction. Serial No. 588,120, Jan. 15. Class 103.
Winter & Company, Inc., New York, N. Y. Pianos. Serial No. 589,692, Jan. 15. Class 36.
Winthrop-Stearns Inc., New York, N. Y. Medicinal preparation. Serial No. 613,278, Jan. 15. Class 18.
Xterminator Products Corporation, Jersey City, N. J. Rodenticide. Serial No. 612,573, Jan. 15. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A & R. Lettuce Company, Salinas, Calif. Fresh vegetables. 553,507, Jan. 15; Serial No. 597,051, published Oct. 30, 1951. Class 46.
Ace Manufacturing Company, Chicago, Ill. After shaving lotions, talcum powders, dentifrices, and tooth pastes. 312,496, May 1, 1934. Republished Jan. 15. Classes 6, 18, 51, and 52.
Ace Manufacturing Company, Chicago, Ill. After shaving lotions, talcum powders, dentifrices, and tooth pastes. 326,003, July 9, 1935. Republished Jan. 15. Classes 6, 18, 51, and 52.
Adapta Film Holder Co.: *See*
Vlock, Mark.
Aircraft-Marine Products, Inc., Harisburg, Pa. Specimens for electrical connectors. 553,662, Jan. 15; Serial No. 579,961. Class 21.
Albers Milling Company, Oakland, Calif., Portland, Oreg., Seattle, Wash., and Los Angeles, Calif. Cereals animal and poultry feed. 553,367, Jan. 15; Serial No. 562,896, published Oct. 9, 1951. Class 46.
Allied Stores Corporation: *See*
Hahn Department Stores, Inc.
Alling & Cory Company, The, Rochester, N. Y. Bond paper. 553,594 Jan. 15; Serial No. 607,917, published Oct. 2, 1951. Class 37.
Al-Lon Manufacturing Company, Inc., Baltimore, Md. Wardrobe bags, individual dress covers, shoulder covers, etc. 290,266, renewed Dec. 29, 1951. O. G. Jan. 15. Class 2.
Allstate Insurance Company, Chicago, Ill. Arranging for the financing of automobiles through banks, etc. 553,652, Jan. 15; Serial No. 605,392, published Oct. 23, 1951. Class 102.
All-Steel Equipment Inc., Aurora, Ill. Electrical boxes. 553,359, Jan. 15; Serial No. 554,193, published Oct. 9, 1951. Class 21.
Alsop Engineering Corporation, Milldale, Conn. Electric motors, portable and fixed electrically driven industrial mixers, etc. 553,398, Jan. 15; Serial No. 576,787, published Oct. 9, 1951. Class 21.
Althelmer & Baer, Inc., Chicago, Ill. Portable sewing machines. 553,665, Jan. 15; Serial No. 588,729. Class 23.
Altman, B., & Co., New York, N. Y. Candy, fresh deciduous fruits; dried and canned fruits, etc. 553,385, Jan. 15; Serial No. 570,183, published Oct. 23, 1951. Class 46.
American Alcolac Corporation, Baltimore, Md. Lauryl sulfate. 553,565, Jan. 15; Serial No. 605,343, published Oct. 16, 1951. Class 6.
American Crayon Company, The, Sandusky, Ohio. Chalkboard colored crayons. 553,302, Jan. 15; Serial No. 596,702, published Oct. 2, 1951. Class 37.
American Cyanamid Company, New York, N. Y. Pitch dispersants. 553,614, Jan. 15; Serial No. 609,271, published Oct. 23, 1951. Class 6.
American Envelope Co., The, West Carrollton, Ohio. Mailing envelopes and paper. 553,410, Jan. 15; Serial No. 581,576, published Aug. 28, 1951. Class 37.
American Lead Pencil Company, Hoboken, N. J. Lead pencils. 553,549, Jan. 15; Serial No. 604,462, published Sept. 4, 1951. Class 37.
American Metal Company, Limited, The, New York, N. Y. White arsenic. 128,602, Jan. 13, 1920. Republished Jan. 15. Class 6.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Electrical cable. 553,468–71, Jan. 15; Serial Nos. 591,542–5, published Oct. 16, 1951. Class 21.
American Stores Company, Philadelphia, Pa. Olives. 553,459, Jan. 15; Serial No. 590,058, published Oct. 30, 1951. Class 46.
American Swiss File & Tool Co., Elizabeth, N. J. 553,479, Jan. 15; Serial No. 593,254, published Oct. 9, 1951. Class 23.
Anacin Company, The, Chicago, Ill., to Whitehall Pharmacal Company, New York, N. Y. Medicinal preparation. 290,215, renewed Dec. 22, 1951. O. G. Jan. 15. Class 18.
Anciens Etablissements Barbier-Bénard & Turenne, Paris, France. Binoculars, object glasses, eye-pieces, etc. 553,401, Jan. 15; Serial No. 578,949, published Oct. 16, 1951. Class 26.
Anderson, V. D., Company, The, Cleveland, Ohio. Power driven presses. 553,455, Jan. 15; Serial No. 589,496, published Sept. 25, 1951. Class 23.
Armour and Company, doing business under the trade style Fowler Packing Company, Chicago, Ill. Hams and bacon. 553,319, Jan. 15; Serial No. 529,860, published Oct. 16, 1951. Class 46.
Armour and Company, doing business under the trade style Armour Creameries, Chicago, Ill. Butter, fresh eggs, cheese, and dressed poultry. 553,323, Jan. 15; Serial No. 532,195, published Nov. 8, 1949. Class 46.
Armour and Company, Chicago, Ill. Lard. 553,334, Jan. 15; Serial No. 543,306, published Sept. 25, 1951. Class 46.
Armour Creameries: *See*
Armour and Company.
Art Infants Wear, Inc., New York, N. Y. Children's underwear. 553,584, Jan. 15; Serial No. 606,997, published Oct. 9, 1951. Class 39.
Arvey Corporation, Chicago, Ill. Mounting and finishing lithographed advertising displays, etc. 553,639, Jan. 15; Serial No. 529,341, published Oct. 23, 1951. Class 106.

Asam Wallpapers, Inc., Philadelphia and Reading, Pa. 553,627, Jan. 15; Serial No. 609,672, published Oct. 23, 1951. Class 37.
Atalanta Trading Corp., New York, N. Y. Frozen frog legs and rock lobster meat. 553,430, Jan. 15; Serial No. 585,361, published Oct. 23, 1951. Class 46.
Atalanta Trading Corporation, New York, N. Y. Canned shrimp. 553,629, Jan. 15; Serial No. 609,954, published Oct. 9, 1951. Class 46.
Atwood Machine Company, The, Stonington, Conn., by Universal Winding Company, Cranston, R. I. Rubber and fabric composiflon belt. 284,260, June 23, 1931. Republished Jan. 15, 1952. Class 35.
Auto Radiator Manufacturing Company, Chicago, Ill. Vehicle radiators, radiator cores, and automobile heaters. 290,811, renewed Jan. 19, 1952. O. G. Jan. 15. Class 19.
Automatic Gold Chain Company: *See*—
Speidel, Edwin F. M.
B & B Importers, Dunellen, N. J. Cheese. 553,601, Jan. 15; Serial No. 608,403, published Sept. 18, 1951. Class 46.
Baby Laundry, Inc., East Hartford, Conn. Baby diaper supply and laundry service. 553,644, Jan. 15; Serial No. 560,791, published Oct. 23, 1951. Class 100.
Baker, Charles, & Company, Inc., Philadelphia, Pa., to Rogers Peet Company, New York, N. Y. Men's top coats. 291,845, renewed Feb. 23, 1952. O. G. Jan. 15. Class 39.
Bancroft Cap Company: *See*—
Worcester Cap Company.
Bartee, J. Julian, San Francisco, Calif. Canned fruits and vegetables, etc. 553,413 Jan. 15; Serial No. 582,464, published Aug. 28, 1951. Class 46.
Baumann, Walter K. P., & Co., New York, N. Y. Asphalt emulsion. 553,404, Jan. 15; Serial No. 580,457, published Sept. 25, 1951. Class 12.
Bay State Abrasive Products Company, Westboro Mass. Compound for preparing coolant solution. 553,586, Jan. 15; Serial No. 607,281, published Oct. 23, 1951. Class 6.
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Bendix Aviation Corporation, Detroit, Mich. Cleaning preparation. 553,431, Jan. 15; Serial No. 585,363, published Oct. 16, 1951. Class 52.
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Boker, H., & Company, Inc., New York, N. Y. Razors. 553,560, Jan. 15; Serial No. 605,141, published Oct. 9, 1951. Class 23.
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Boyle-Midway Inc.: *See*—
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Broussard's of New Orleans, Miami Beach, Fla. Food sauces. 553,558, Jan. 15; Serial No. 605,090, published Oct. 30, 1951. Class 46.
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Clairol Incorporated, Stamford, Conn. Hair tinting and coloring preparations. 553,548, Jan. 15; Serial No. 604,419, published Sept. 11, 1951. Class 51.
Cluett, Peabody & Co., Inc., Troy, N. Y. Men's, women's, boys', and girls' trousers, slacks, outer shirts, etc. 553,493, Jan. 15; Serial No. 595,870, published Oct. 23, 1951. Class 39.
Cohen, Goldman & Co. Inc., New York, N. Y., assignor to House of Worsted-Tex, Inc., Philadelphia, Pa. Men's, boys', and children's outer garments, etc. 553,454, Jan. 15; Serial No. 589,430, published Oct. 23, 1951. Class 39.
Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Shaving soap and shaving sticks. 290,476, renewed Jan. 5, 1952. O. G. Jan. 15. Class 51.

Universal Fountain Pen & Pencil Co., Inc., assignee: *See*—
Universal Fountain Pen & Pencil Co.
Utility Appliance Corp., Los Angeles, Calif. Individual water pumps, individual V-belt pulleys. Serial No. 503,684, Jan. 15. Class 23.
Van Cleef Bros., Inc., Chicago, Ill. Bearing blue. Serial No. 601,001, Jan. 15. Class 6.
Van Dusen Harrington Co., Minneapolis, Minn. Rye flour. Serial No. 545,663, Jan. 15. Class 46.
Vermiculite Institute, Evanston, Ill. Expanded vermiculite products. Serial No. 578,239, Jan. 15. Class 12.
Victor Equipment Company, San Francisco, Calif. Coated and uncoated welding rods. Serial No. 596,762, Jan. 15. Class 14.
Vitamix Corporation, Philadelphia, Pa. Composition of Amphetamine hydrochloride, thyroid, atropine sulfate, etc. Serial No. 603,031, Jan. 15. Class 18.
Voigt Milling Company, Grand Rapids, Mich. Enriched wheat flour, wholewheat flour, cake flour, etc. Serial No. 615,587, Jan. 15. Class 46.
Vola Laboratories: *See*
Weber, Loretta.
Vulcan Manufacturing Co., Inc., assignee: *See*—
March Engineering Company.
Vuilt Corporation, doing business as Light Inspection Car Works, Hagerstown, Ind. Automatic centrifugal clutches. Serial No. 606,350, Jan. 15. Class 23.
Waco Aircraft Company, The, Troy, Ohio. Electrically operating time interval measuring devices. Serial No. 575,383, Jan. 15. Class 26.
Wallace Manufacturing Company, North Kansas City, Mo. Decorative wall boarding. Serial No. 611,463, Jan. 15. Class 12.
Wass Food Products Co., Chicago, Ill. Salad dressing, mayonnaise dressing, pancake mix, etc. Serial No. 610,242, Jan. 15. Class 46.
Weatherhead Company, The, Cleveland, Ohio. Valves. Serial No. 573,347, Jan. 15. Class 13.
Weber, Loretta, doing business as Vola Laboratories, Philadelphia, Pa. Hair oil and hair combing and conditioning liquid. Serial No. 607,910, Jan. 15. Class 51.
West Disinfecting Company, Long Island City, N. Y. Industrial aprons and sleeves. Serial No. 611,162, Jan. 15. Class 39.
West Disinfecting Company, Long Island City, N. Y. Hand mop, wax hand mop. Serial No. 611,164, Jan. 15. Class 29.
West Laboratories, Inc., Long Island City, N. Y. Antiseptic preparation. Serial No. 613,540, Jan. 15. Class 18.
West Laboratories, Inc., Long Island City, N. Y. Chemical compositions. Serial No. 613,543, Jan. 15. Class 6.
West Laboratories, Inc., Long Island City, N. Y. Antiseptic preparation. Serial No. 613,544, Jan. 15. Class 18.
White House Milk Company, Inc., New York, N. Y. Canned evaporated milk. Serial No. 610,154, Jan. 15. Class 46.
White Valley Corporation, Amsterdam, N. Y. Men's, women's and children's lumber jackets, bomber jackets, surcoat jackets, etc. Serial No. 605,187, Jan. 15. Class 39.
Whitfield Chemical Company: *See*—
Smith, Chester W.
Whiting, Frank M., & Company, Meriden, Conn. Sterling and plated silver hollowware. Serial No. 607,888, Jan. 15. Class 28.
Whitmoyer Laboratories, Inc., Myerstown, Pa. Trace mineral mixture. Serial No. 612,671, Jan. 15. Class 18.
Whitney, Melvin, and Company, Los Angeles, Calif. Costume jewelry. Serial No. 608,045, Jan. 15. Class 28.
Williams & Williams Limited, Chester, England, assignor to Aluminex Incorporated, Los Angeles, Calif. Aluminum alloy glazing bar. Serial No. 523,225, Jan. 15. Class 12.
Willis Hosiery Mills, Inc., Concord, N. C. Hosiery. Serial No. 611,927, Jan. 15. Class 39.
Wilner, Morris, Pittston, Pa. Wallpapers. Serial No. 553,158, Jan. 15. Class 37.
Winston Bros. Company, Minneapolis, Minn. Construction services and construction engineering in the construction. Serial No. 588,120, Jan. 15. Class 103.
Winter & Company, Inc., New York, N. Y. Pianos. Serial No. 589,692, Jan. 15. Class 36.
Winthrop-Stearns Inc., New York, N. Y. Medicinal preparation. Serial No. 613,278, Jan. 15. Class 18.
Xterminator Products Corporation, Jersey City, N. J. Rodenticide. Serial No. 612,573, Jan. 15. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A. & R. Lettuce Company, Salinas, Calif. Fresh vegetables. 553,507, Jan. 15; Serial No. 597,051, published Oct. 30, 1951. Class 46.
Ace Manufacturing Company, Chicago, Ill. After shaving lotions, talcum powders, dentifrices, and tooth pastes. 312,496, May 1, 1934. Republished Jan. 15. Classes 6, 18, 51, and 52.
Ace Manufacturing Company, Chicago, Ill. After shaving lotions, talcum powders, dentifrces, and tooth pastes. 326,003, July 9, 1935. Republished Jan. 15. Classes 6, 18, 51, and 52.
Adapta Film Holder Co.: *See*—
Vlock, Mark.
Aircraft-Marine Products, Inc., Harisburg, Pa. Specimens for electrical connectors. 553,662, Jan. 15; Serial No. 579,961. Class 21.
Albers Milling Company, Oakland, Calif., Portland, Oreg., Seattle, Wash., and Los Angeles, Calif. Cereals, animal and poultry feed. 553,367, Jan. 15; Serial No. 562,896, published Oct. 9, 1951. Class 46.
Allied Stores Corporation: *See*—
Hahn Department Stores, Inc.
Alling & Cory Company, The, Rochester, N. Y. Bond paper. 553,594, Jan. 15; Serial No. 607,917, published Oct. 2, 1951. Class 37.
Al-Lon Manufacturing Company, Inc., Baltimore, Md. Wardrobe bags, individual dress covers, shoulder covers, etc. 290,266, renewed Dec. 20, 1951. O. G. Jan. 15. Class 2.
Allstate Insurance Company, Chicago, Ill. Arranging for the financing of automobiles through banks, etc. 553,652, Jan. 15; Serial No. 605,392, published Oct. 23, 1951. Class 102.
All Steel Equipment Inc., Aurora, Ill. Electrical boxes. 553,359, Jan. 15; Serial No. 554,193, published Oct. 9, 1951. Class 21.
Alsop Engineering Corporation, Millidale, Conn. Electric motors, portable and fixed electrically driven industrial mixers, etc. 553,398, Jan. 15; Serial No. 576,787, published Oct. 9, 1951. Class 21.
Altheimer & Baer, Inc., Chicago, Ill. Portable sewing machines. 553,665, Jan. 15; Serial No. 588,729. Class 23.
Altman, B., & Co., New York, N. Y. Candy, fresh deciduous fruits; dried and canned fruits, etc. 553,385, Jan. 15; Serial No. 570,183, published Oct. 23, 1951. Class 46.
American Alcolac Corporation, Baltimore, Md. Lauryl sulfate. 553,565, Jan. 15; Serial No. 605,343, published Oct. 16, 1951. Class 6.
American Crayon Company, The, Sandusky, Ohio. Chalkboard colored crayons. 553,502, Jan. 15; Serial No. 596,702, published Oct. 2, 1951. Class 37.
American Cyanamid Company, New York, N. Y. Pitch dispersants. 553,614, Jan. 15; Serial No. 609,271, published Oct. 23, 1951. Class 6.
American Envelope Co., The, West Carrollton, Ohio. Mailing envelopes and paper. 553,410, Jan. 15; Serial No. 581,576, published Aug. 28, 1951. Class 37.
American Lead Pencil Company, Hoboken, N. J. Lead pencils. 553,549, Jan. 15; Serial No. 604,462, published Sept. 4, 1951. Class 37.
American Metal Company, Limited, The, New York, N. Y. White arsenic. 128,602, Jan. 13, 1920. Republished Jan. 15. Class 6.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Electrical cable. 553,468–71, Jan. 15; Serial Nos. 591,542–5, published Oct. 16, 1951. Class 21.
American Stores Company, Philadelphia, Pa. Olives. 553,459, Jan. 15; Serial No. 590,058, published Oct. 30, 1951. Class 46.
American Swiss File & Tool Co., Elizabeth, N. J. 553,479, Jan. 15; Serial No. 593,254, published Oct. 9, 1951. Class 23.
Amacin Company, The, Chicago, Ill., to Whitehall Pharmacal Company, New York, N. Y. Medicinal preparation. 290,215, renewed Dec. 22, 1951. O. G. Jan. 15. Class 18.
Anciens Etablissements Barbier-Bénard & Turenne, Paris, France. Binoculars, object glasses, eye-pieces, etc. 553,401, Jan. 15; Serial No. 578,949, published Oct. 16, 1951. Class 26.
Anderson, V. D., Company, The, Cleveland, Ohio. Power driven presses. 553,455, Jan. 15; Serial No. 589,496, published Sept. 25, 1951. Class 23.
Armour and Company, doing business under the trade style Fowler Packing Company, Chicago, Ill. Hams and bacon. 553,319, Jan. 15; Serial No. 529,860, published Oct. 16, 1951. Class 46.
Armour and Company, doing business under the trade style Armour Creameries, Chicago, Ill. Butter, fresh eggs, cheese, and dressed poultry. 553,323, Jan. 15; Serial No. 532,195, published Nov. 8, 1949. Class 46.
Armour and Company, Chicago, Ill. Lard. 553,334, Jan. 15; Serial No. 543,396, published Sept. 25, 1951. Class 46.
Armour Creameries: *See*—
Armour and Company.
Art Infants Wear, Inc., New York, N. Y. Children's underwear. 553,584, Jan. 15; Serial No. 606,997, published Oct. 9, 1951. Class 39.
Arvey Corporation, Chicago, Ill. Mounting and finishing lithographed advertising displays, etc. 553,639, Jan. 15; Serial No. 529,341, published Oct. 23, 1951. Class 106.

Asam Wallpapers, Inc., Philadelphia and Reading, Pa. 553,627, Jan. 15; Serial No. 609,672, published Oct. 23, 1951. Class 37.
Atalanta Trading Corp., New York, N. Y. Frozen frog legs and rock lobster meat. 553,430, Jan. 15; Serial No. 585,361, published Oct. 23, 1951. Class 46.
Atalanta Trading Corporation, New York, N. Y. Canned shrimp. 553,629, Jan. 15; Serial No. 609,954, published Oct. 9, 1951. Class 46.
Atwood Machine Company, The, Stonington, Conn., by Universal Winding Company, Cranston, R. I. Rubber and fabric composition belt. 284,260, June 23, 1931. Republished Jan. 15, 1952. Class 35.
Auto Radiator Manufacturing Company, Chicago, Ill. Vehicle radiators, radiator cores, and automobile heaters. 290,811, renewed Jan. 19, 1952. O. G. Jan. 15. Class 19.
Automatic Gold Chain Company: *See*—
Speidel, Edwin F. M.
B & B Importers, Dunellen, N. J. Cheese. 553,601, Jan. 15; Serial No. 608,403, published Sept. 18, 1951. Class 46.
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Cluett, Peabody & Co., Inc., Troy, N. Y. Men's, women's, boys', and girls' trousers, slacks, outer shirts, etc. 553,493, Jan. 15; Serial No. 595,870, published Oct. 23, 1951. Class 39.
Cohen, Goldman & Co. Inc., New York, N. Y., assignor to House of Worsted-Tex, Inc., Philadelphia, Pa. Men's, boys', and children's outer garments, etc. 553,454, Jan. 15; Serial No. 589,430, published Oct. 23, 1951. Class 39.
Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Shaving soap and shaving sticks. 290,476, renewed Jan. 5, 1952. O. G. Jan. 15. Class 51.

Colorado Fuel and Iron Corporation, The: *See*—
Bowers, Edward C., and C. L. Feldman.
Colorado Milling & Elevator Co., The: *See*—
Eaton Milling & Elevator Co., The.
Twin Falls Milling & Elevator Co., The.
Colorado Milling & Elevator Co., The, Denver, Colo. Self-rising flour. 291,785, renewed Feb. 23, 1952. O. G. Jan. 15. Class 46.
Colorado Milling & Elevator Co., The, Denver, also doing business as The Lamar Flour Mills, Lamar, Colo. Wheat flour. 553,352, Jan. 15; Serial No. 551,237, published June 5, 1951. Class 46.
Columbia Dental & X-Ray Corp., to Columbia Dentoform Corporation, New York, N. Y. Dental casts and forms; models of teeth, gum, and jaw structures, etc. 289,693, renewed Dec. 1, 1951. O. G. Jan. 15. Class 44.
Columbia Dentoform Corporation: *See*—
Columbia Dental & X-Ray Corp.
Columbia Products Corporation, Brooklyn, N. Y. Powder puffs. 553,686, Jan. 15; Serial No. 598,160. Class 29.
Columbia River Packers Association, Inc., Astoria, Oreg. Canned fish. 553,607, Jan. 15; Serial No. 608,786, published Oct. 9, 1951. Class 46.
Comfort Paper Corporation, assignor to Crown Zellerbach Corporation, San Francisco, Calif. Toilet tissue. 553,316, Jan. 15; Serial No. 527,236, published Oct. 2, 1951. Class 37.
Commercial Solvents Corporation, New York, N. Y. Windshield washer fluid. 553,496, Jan. 15; Serial No. 596,266, published Oct. 23, 1951. Class 52.
Concord Manufacturing Corporation, Providence, R. I. Jewelry. 553,673, Jan. 15; Serial No. 601,096. Class 28.
Continental Can Company Inc., New York, N. Y. Paper cups. 553,451, Jan. 15; Serial No. 588,940, published Oct. 30, 1951. Class 2.
Continental Paper & Bag Corporation, to International Paper Company, New York, N. Y. Food wrappers. 291,246, renewed Feb. 2, 1952. O. G. Jan. 15. Class 37.
Cooper Manufacturing Company, Marshalltown, Iowa. Lawn mowers. 553,303, Jan. 15; Serial No. 534,878, published Oct. 9, 1951. Class 23.
Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical condensers. 553,636, Jan. 15; Serial No. 611,687, published Oct. 9, 1951. Class 21.
Cornell Paperboard Products Co.: *See*—
Cornell Wood Products Company.
Cornell Wood Products Company, Milwaukee, Wis., now by change of name Cornell Paperboard Products Co. Paper board. 553,457, Jan. 15; Serial No. 589,841, published Sept. 11, 1951. Class 37.
Crafton Orange Growers Association, Mentone, Calif. Fresh citrus fruits. 553,340, Jan. 15; Serial No. 544,981, published Oct. 23, 1951. Class 46.
Crescent Truck Company, Lebanon, Pa. Electric trucks. 553,337, Jan. 15; Serial No. 544,328, published Oct. 23, 1951. Class 23.
Cross Drug Co.: *See*—
Mally, Edwin J.
Crown Zellerbach Corporation: *See*
Comfort Paper Corporation.
Crown Zellerbach Corporation, doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif. Paper napkins, paper towels, and toilet tissue. 553,333, Jan. 15; Serial No. 542,006, published Oct. 9, 1951. Class 37.
Cudahy Brothers Co., doing business under the name and style of "Cudahy of Cudahy," Cudahy, Wis. Smoked pork sausage. 553,546, Jan. 15; Serial No. 603,770, published Sept. 11, 1951. Class 46.
"Cudahy of Cudahy": *See*—
Cudahy Brothers Co.
Danbury Rubber Company, Inc., The, Danbury, Conn. Rubber floor, door and bath mats, etc. 553,573, Jan. 15; Serial No. 606,002, published Sept. 25, 1951. Class 50.
Dennison Manufacturing Company, Framingham, Mass. Gummed paper in sheet form. 553,356, Jan. 15; Serial No. 553,475, published Nov. 14, 1950. Class 37.
Derby Foods, Inc., Chicago, Ill. Canned luncheon meat. 553,630, Jan. 15; Serial No. 609,967, published Oct. 23, 1951. Class 46.
Detrex Corporation: *See*
Rex Products & Manufacturing Company.
Di Carlo, Benny, also doing business under the name and style of Di Carlo Importing Co., Brooklyn, N. Y. Canned edible olive oil. 553,360, Jan. 15; Serial No. 554,653, published Sept. 11, 1951. Class 46.
Di Carlo Importing Co.: *See*—
Di Carlo, Benny.
Dille & McGuire Mfg. Co., Richmond, Ind. Lawnmowers. 147,985–91, Nov. 8, 1921. Republished Jan. 15. Class 23.
Dille & McGuire Mfg. Co., Richmond, Ind. Lawnmowers. 150,789, Jan. 10, 1922. Republished Jan. 15. Class 23.
Dille & McGuire Mfg. Co., Richmond, Ind. Lawnmowers. 154,268, Apr. 11, 1922. Republished Jan. 15. Class 23.
Dille & McGuire Mfg. Co., Richmond, Ind. Lawnmowers. 373,680, Dec. 19, 1939. Republished Jan. 15. Class 23.
Dille & McGuire Mfg. Co., Richmond, Ind. Lawnmowers. 387,713, May 27, 1941. Republished Jan. 15. Class 23.
District Of Columbia Paper Mills, Inc., Washington, D. C. Wood grain cover paper, box cover paper, blotting paper, etc. 553,593, Jan. 15; Serial No. 607,846, published Sept. 4, 1951. Class 37.
Dixie Chef Foods: *See*—
Bilt-More Food Products Company, Inc.
Donelson, Lewis R., Jr., by Donelson and Poston, Memphis, Tenn. Pancake flour. 210,576, Mar. 16, 1926. Republished Jan. 15. Class 46.
Donelson, Lewis R., Jr., by Donelson and Poston, Memphis, Tenn. Baking powder. 227,729, May 17, 1927. Republished Jan. 15. Class 46.
Donelson and Poston: *See*—
Donelson, Lewis R., Jr.
Donelson and Poston, Memphis, Tenn. Matches. 251,262, Jan. 1, 1929. Republished Jan. 15. Class 9.
Donelson and Poston, Memphis, Tenn. Matches. 251,283, Jan. 1, 1929. Republished Jan. 15. Class 9.
Donelson and Poston, Memphis, Tenn. Cigars. 251,538, Jan. 8, 1929. Republished Jan. 15. Class 17.
Dorgan Packing Corp., Biloxi, Miss. Canned shrimp and canned oysters. 553,481, Jan. 15; Serial No. 593,788, published Sept. 4, 1951. Class 46.
Dow Chemical Company, The, Midland, Mich. Synthetic organic chemical. 553,421, Jan. 15; Serial No. 584,483, published Mar. 27, 1951. Class 6.
Drake, Robert A., doing business as Size 'Im Up, Winchester, Mass. Partially printed identification cards. 553,514, Jan. 15; Serial No. 598,068, published Oct. 23, 1951. Class 37.
Drive-In Theatre Mfg. Co., Kansas City, Mo. Portable loud speakers. 553,685, Jan. 15; Serial No. 594,897. Class 21.
Du Pont, E. I., de Nemours and Company: *See*—
Du Pont, E. I., de Nemours Powder Company.
Du Pont, E. I., de Nemours Powder Company, Hoboken, N. J., and Wilmington, Del., to E. I. du Pont de Nemours and Company, Wilmington, Del. Imitation leather. 84,611, re-renewed Dec. 26, 1951. O. G. Jan. 15. Class 50.
Dutch Mill Candy Co., Chicago, Ill. Candies and ice cream. 553,305, Jan. 15; Serial No. 508,148, published Oct. 23, 1951. Class 46.
East Asiatic Company, Inc., The, San Francisco, Calif. Canned fruits, canned vegetables, canned fish, etc. 553,458, Jan. 15; Serial No. 589,844, published Sept. 11, 1951. Class 46.
Eaton Milling & Elevator Co., The, Eaton, to The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 85,092, re-renewed Jan. 30, 1952. O. G. Jan. 15. Class 46.
Eaton Paper Corporation, Pittsfield, Mass. Hand and desk blotters, desk pads, desk calendars, etc. 553,474, Jan. 15; Serial No. 592,262, published Oct. 9, 1951. Class 37.
Edmundson-Duhe Rice Mill Company, Inc., Rayne, La. Rice. 553,324, Jan. 15; Serial No. 535,509, published Sept. 25, 1951. Class 46.
Edwards Company, Inc.: *See*—
Edwards and Company, Inc.
Edwards and Company, Inc., New York, N. Y., to Edwards Company, Inc., Norwalk, Conn. Electrical goods and apparatus. 278,382, renewed Dec. 16, 1950. O. G. Jan 15. Class 21.
Elgin National Watch Company, Elgin, Ill. Mainsprings for watches. 82,140, June 6, 1911. Republished Jan. 15. Class 27.
Elko Photo Products Co., The, Kansas City, Mo. Developing film and printing of pictures. 553,643, Jan. 15; Serial No. 560,004, published Oct. 23, 1951. Class 106.
Elliott, B. K., Company, Pittsburgh, Pa. Bristol board and sketching pads. 553,467, Jan. 15; Serial No. 591,468, published Aug. 28, 1951. Class 37.
Ellison & Spring, Inc., New York, N. Y. Plastic table mats. 553,602, Jan. 15; Serial No. 608,537, published Sept. 25, 1951. Class 50.
Equitable Savings and Loan Association, Portland, Oreg. Processing and handling of deposits and withdrawals in savings accounts, etc. 553,641, Jan. 15; Serial No. 554,964, published Oct. 23, 1951. Class 102.
Erie Malleable Iron Company, Erie, Pa. Ferrous metal castings. 290,515, renewed Jan. 5, 1952. O. G. Jan. 15. Class 14.
Eru-Kaasfabriek N. V., Woerden, Netherlands. Cheese. 553,547, Jan. 15; Serial No. 604,148, published Oct. 23, 1951. Class 46.
Eskimo Pie Corporation, Bloomfield, N. J. Chocolate coatings. 553,424, Jan. 15; Serial No. 584,532, published Oct. 9, 1951. Class 46.
Esslinger's, Inc., Philadelphia, Pa. Beer. 553,541, Jan. 15; Serial No. 603,150, published Sept. 4, 1951. Class 48.
Eversharp, Inc., Chicago, Ill. Desk sets. 553,577, Jan. 15; Serial No. 606,461, published Oct. 2, 1951. Class 37.
Ex-Lax, Inc.: *See*—
Ex-Lax Manufacturing Co.
Ex-Lax Manufacturing Co., New York, to Ex-Lax, Inc., Brooklyn, N. Y. Liniment. 82,427, re-renewed June 27, 1951. O. G. Jan. 15. Class 18.

Fair View Packing Company, Inc., Hollister, Calif. Canned tomatoes. 553,635, Jan. 15; Serial No. 611,568, published Oct. 30, 1951. Class 46.
Farm Bureau Cooperative Association, Inc., The: *See*—
Ohio Farm Bureau Service Company, The.
Farm Feed Company, Rock Rapids, Iowa. Cattle, sheep and hog feeds. 553,453, Jan. 15; Serial No. 589,204, published Oct. 23, 1951. Class 46.
Fearn Foods Inc.: *See*—
Fearn Laboratories, Inc.
Fearn Laboratories, Inc., Franklin Park, Ill., now by change of name Fearn Foods, Inc. Canned soups and soup bases, vegetable seasoning and seasoning compounds, etc. 553,321, Jan. 15; Serial No. 531,203, published Sept. 11, 1951. Class 46.
Feldman, Charles L.: *See*—
Bowers, Edward C., and Charles L. Feldman.
Fenole Chemical Company: *See*—
Powell, Wylie R.
Fernando Canning Company, Inc., San Fernando, Calif. Canned tomatoes. 553,383, Jan. 15; Serial No. 569,443, published Sept. 11, 1951. Class 46.
Ferro Corporation: *See*—
Ferro Enamel Corporation.
Ferro Enamel Corporation, Cleveland, Ohio, now by change of name Ferro Corporation. Clays. 553,533–4, Jan. 15; Serial Nos. 602,383–4, published Oct. 9, 1951. Class 1.
Fields, Marion, Beverly Hills, Calif. Perfumes and toilet waters. 553,508, Jan. 15; Serial No. 597,258, published Sept. 11, 1951. Class 51.
Fine Foods, Inc., Seattle, Wash. Fresh apples. 553,347, Jan. 15; Serial No. 547,985, published Aug. 14, 1951. Class 46.
Finkelstein, Sam, & Company, Incorporated of Va., Norfolk, Va. Men's and young men's suits and sport coats. 553,411, Jan. 15; Serial No. 581,651, published July 4, 1950. Class 39.
Firearms International Corporation, Washington, D. C. Gun sights. 553,661, Jan. 15; Serial No. 577,177. Class 9.
Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils, aromatic chemicals. 553,550, Jan. 15; Serial No. 604,556, published Oct. 23, 1951. Class 18.
Firmenich, Incorporated: *See*—
Firmenich & Co.
Fisher & Ludlow Limited, Birmingham, England. Washing machines. 553,531, Jan. 15; Serial No. 601,541, published Oct. 23, 1951. Class 24.
Fletcher-Eichman & Company, Inc., Chicago, Ill. Extracts for flavoring food, food gelatins, etc. 553,330, Jan. 15. Serial No. 540,183, published Oct. 30, 1951. Class 46.
Flowola Plastic Flower Company, Marfa, Tex. Artificial plastic flowers. 553,499, Jan. 15; Serial No. 596,334, published Oct. 9, 1951. Class 50.
Folson-Kennelly, St. Thomas, N. Dak. Potatoes. 553,599, Jan. 15; Serial No. 608,152, published Oct. 23, 1951. Class 46.
Formsprag Company, assignee: *See*—
Gear Grinding Machine Company, The.
Foster, M. B., & Sons, Limited, London, England. Beer. 553,519, Jan. 15; Serial No. 599,234, published Aug. 28, 1951. Class 48.
Fowler Packing Company: *See*—
Armour and Company.
Freeman Certi-Fresh Foods, Los Angeles, Calif. Frozen fish and frozen vegetables. 553,684, Jan. 15; Serial No. 615,543. Class 46.
Friedman, Arnold D., New York, N. Y. Receptacles used in carrying grasshoppers to be used as live bait. 553,672, Jan. 15; Serial No. 600,771. Class 22.
Fuld Bros., Inc., Baltimore, Md. Detergent compositions. 553,487, Jan. 15; Serial No. 595,255, published Oct. 23, 1951. Class 52.
Galter Products Company, Chicago, Ill. Electric clocks. 553,464, Jan. 15; Serial No. 591,080, published Oct. 9, 1951. Class 27.
Gamble-Skogmo, Inc., Minneapolis, Minn. Wall paper. 553,540, Jan. 15; Serial No. 603,057, published Oct. 9, 1951. Class 37.
Garrott Candy Company, St. Paul, Minn. Candies. 553,429, Jan. 15; Serial No. 585,319, published Oct. 23, 1951. Class 46.
Gaylord Bros., Inc., Syracuse, N. Y. Library stationery. 553,355, Jan. 15; Serial No. 553,358, published Oct. 2, 1951. Class 37.
Gear Grinding Machine Company, The, Hamtramck, assignor to Formsprag Company, Van Dyke, Mich. One-way rotary clutch. 444,642, Jan. 15; Serial No. 510,384, published Oct. 9, 1951. Class 23.
General Grocer Company, St. Louis, Mo. Canned peas. 553,326, Jan. 15; Serial No. 538,267, published Apr. 26, 1949. Class 46.
General Grocer Company, St. Louis, Mo. Canned peas. 553,327, Jan. 15; Serial 538,269, published Apr. 26, 1949. Class 46.
Gielow, J. J., & Sons, Incorporated, Detroit, Mich. Cucumber pickles. 553,310, Jan. 15; Serial No. 523,380, published Sept. 18, 1951. Class 46.
Gillespie, Joseph B., Atlanta, Ga. Detergent and sterilizing preparation. 553,422, Jan. 15; Serial No. 584,490, published Oct. 16, 1951. Class 52.
Gillette Safety Razor Company: *See*—
Lenwells, Inc.
Probak Corporation.
Giovinazzi, C. A., & Sons, assignee. *See*—
Giovinazzi, Robert A.
Giovinazzi, Robert A., doing business under the name of Jeanne Doll Produce, assignor to C. A. Giovinazzi & Sons, Vineland, N. J. Fresh produce. 553,366, Jan. 15; Serial No. 562,637, published Oct. 30, 1951. Class 46.
Golden Block Limited, Letchworth, England. Edible fats. 553,668, Jan. 15; Serial No. 598,583. Class 46.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Antioxidants. 553,590, Jan. 15; Serial No. 607,752, published Oct. 16, 1951. Class 6.
Gould-National Batteries, Inc.: *See*—
National Battery Company.
Grainger, W. W., Inc., Chicago, Ill. Electrical fans. 553,605, Jan. 15; Serial No. 608,757, published Oct. 16, 1951. Class 21.
Great Bear Spring Company, New York, N. Y. Table water. 553,527, Jan. 15; Serial No. 601,210, published Sept. 4, 1951. Class 45.
Great Bear Spring Company, New York, N. Y. Table water. 553,528, Jan. 15; Serial No. 601,212, published Sept. 4, 1951. Class 45.
Griswold, Roger C., doing business as Braid-Aid Company, Kingston, Mass. Strip folding tool. 553,376, Jan. 15; Serial No. 567,195, published Oct. 2, 1951. Class 23.
Grocers Baking Company, Inc., Louisville, Ky. Bread. 553,308, Jan. 15; Serial No. 519,191, published Oct. 23, 1951. Class 46.
Guild of Prescription Opticians of Philadelphia, Philadelphia, Pa. Eye-glass frames. 553,654, Jan. 15; Serial No. 612,802, published Oct. 16, 1951. Class 26.
Gulf States Paper Corporation, Tuscaloosa, Ala. Wrapping paper and butchers' paper. 553,543, Jan. 15; Serial No. 603,237, published Sept. 11, 1951. Class 37.
Gulf States Paper Corporation, Tuscaloosa, Ala. Wrapping paper and butcher's paper. 553,609, Jan. 15; Serial No. 608,931, published Sept. 25, 1951. Class 37.
Gumakers of America, Inc., Clifton Heights, Pa. Chewing gum. 553,659, Jan. 15; Serial No. 567,968. Class 46.
Gundlach, G. P., & Co., Inc., Cincinnati, Ohio. Fresh dairy products. 553,667, Jan. 15; Serial No. 593,538. Class 46.
Gurney Security Paper Company, Inc., Brooklyn, N. Y. Safety paper. 553,390, Jan. 15; Serial No. 572,655, published Sept. 4, 1951. Class 37.
Hahn Department Stores, Inc., Wilmington, Del., to Allied Stores Corporation, New York, N. Y. Shoes. 288,673, renewed Nov. 3, 1951. O. G. Jan. 15. Class 39.
Hahn Department Stores, Inc., Wilmington, Del., to Allied Stores Corporation, New York, N. Y. Shoes. 288,682, renewed Nov. 3, 1951. O. G. Jan. 15. Class 39.
Hahn Department Stores, Inc., Wilmington, Del., and New York, N. Y., to Allied Stores Corporation, New York, N. Y. Hosiery. 289,722, renewed Dec. 1, 1951. O. G. Jan. 15, 1952. Class 39.
Hamburg Heaven, Inc., New York, N. Y. Hamburger sandwiches. 553,350, Jan. 15; Serial No. 549,926, published Oct. 23, 1951. Class 46.
Hamilton, W. C., & Sons, Miquon, Pa. Printing paper, mimeograph paper, and duplicator paper. 553,589, Jan. 15; Serial No. 607,672, published Sept. 4, 1951. Class 37.
Harris-Hub Bed & Spring Co., Cicero, Ill. Reinforcing tubing for bedsteads, cabinets, stands, etc. 385,406, Feb. 25, 1941. Republished Jan. 15. Class 32.
Hart, Schaffner & Marx, Chicago, Ill. Men's and boys' suits, coats, overcoats, etc. 343,322, Feb. 16, 1937. Republished Jan. 15, 1952. Class 39.
Hartlett, Doris, executrix: *See*
Hartlett, Merlin A.
Hartlett, M., Co.: *See*—
Hartlett, Merlin A.
Hartlett, Merlin A., doing business as M. Hartlett Co., Woodstock, Ill.; Doris Hartlett executrix of said Merlin A. Hartlett, deceased. Underarm deodorant and non-perspirant for personal use. 553,395, Jan. 15; Serial No. 575,142, published Nov. 28, 1950. Class 51.
Hercules Powder Company, Wilmington, Del. Methyl ester of tall oil. 553,434, Jan. 15; Serial No. 585,749, published Oct. 16, 1951. Class 6.
Hespenheide and Thompson, Inc., York, Pa. Animal feeds. 553,338, Jan. 15; Serial No. 544,346, published July 11, 1950. Class 46.
Hi-Jolly Date Gardens: *See*—
Skolnick, Max.
Hoek, Leo A., Los Angeles, Calif. Electrically driven sharpener. 553,544, Jan. 15; Serial No. 603,406, published Oct. 9, 1951. Class 21.
Hoffmaster Paper Company, Inc., Oshkosh, Wis. Embossed folded paper napkins. 553,610, Jan. 15; Serial No. 608,934, published Sept. 25, 1951. Class 37.
Hollywood Brands, Inc., Centralia, Ill. Candy. 553,443, Jan. 15; Serial No. 586,857, published Sept. 18, 1951. Class 46.
Hooker Electrochemical Company, Niagara Falls, N. Y. Compositions of chlorination derivatives of fatty acid esters. 553,615, Jan. 15; Serial No. 609,340, published Oct. 23, 1951. Class 6.

Horlacher Brewing Company, Allentown, Pa. Beer. 553,517, Jan. 15; Serial No. 599,173, published Oct. 16, 1951. Class 48.

House of Worsted-Tex, Inc., assignee: *See*—
Cohen, Goldman & Co. Inc.

Hoyt, F. M., Shoe Company, Manchester, N. H., by Wilson Footwear Company, Boston, Mass. Leather boots and shoes. 82,086, May 30, 1911. Republished Jan. 15. Class 39.

Hoyt, F. M., Shoe Corporation, Manchester, N. H., to Timely Clothes, Inc., Rochester, N. Y. Boots and shoes. 291,742, renewed Feb. 23, 1952. O. G. Jan. 15. Class 39.

Hubbard and Company, Pittsburgh, Pa. Tools and similar devices. 553,409, Jan. 15; Serial No. 581,480, published Sept. 25, 1951. Class 23.

Hudnut, Richard: *See*—
Mally, Edwin J.

Hudnut, Richard, New York, N. Y. Rouge, both liquid and dry, cream for the skin, cold-cream, etc. 84,487, re-renewed Dec. 19, 1951. O. G. Jan. 15. Class 51.

Hygrade Food Products Corporation, New York, N. Y. Butter and luncheon meat. 553,343, Jan. 15; Serial No. 546,305, published Oct. 16, 1951. Class 46.

Hygrade Lamp Company, Boston, Mass., to Sylvania Electric Products, Inc., New York, N. Y. Electron radio tubes. 288,095, renewed Oct. 20, 1951. O. G. Jan. 15. Class 21.

Icy-Ike Co.: *See*
Williamson, Donald H.

Imperial Chemical Industries Limited, London and Millbank, London, England. Resinous plastic materials. 553,553, Jan. 15; Serial No. 604,890, published Oct. 23, 1951. Class 1.

Imperial Garden Growers, El Centro, Calif. Fresh melons. 553,311, Jan. 15; Serial No. 523,673, published Sept. 11, 1951. Class 46.

Imperial Pearl Syndicate, Inc., Chicago, Ill. Simulated pearls and simulated pearl jewelry. 553,483, Jan. 15; Serial No. 594,545, published Oct. 9, 1951. Class 28.

Independent Growers, Inc., Lindsay, Calif. Fresh oranges. 553,571–2, Jan. 15; Serial Nos. 605,903–4, published Sept. 25, 1951. Class 46.

International Business Machines Corporation, New York, N. Y. Electrical and electronic apparatus. 553,406, Jan. 15; Serial No. 581,067, published Dec. 26, 1950. Class 21; calculating machines, multiplying machines, etc., Serial No. 581,068, published Aug. 21, 1951. Class 26; clocks, clock systems, athletic timers, etc., Serial No. 581,069, published Jan. 16, 1951. Class 27. (Consolidated certificate. Classes 21, 26, and 27.)

International Paper Company: *See*—
Continental Paper & Bag Corporation.
Southern Kraft Corporation.

International Silver Company, to The International Silver Company, Meriden, Conn. Flatware. 290,130, renewed Dec. 22, 1951. O. G. Jan. 15. Class 28.

International Silver Company, The: *See*
International Silver Company.

International Silver Company, The, Meriden, Conn. Sterling silver table ware. 553,445, Jan. 15; Serial No. 587,334, published Oct. 9, 1951. Class 28.

Ivanhoe Mutual Orange Association, Ivanhoe, Calif. Fresh citrus fruits. 553,329, Jan. 15; Serial No. 539,957, published Sept. 11, 1951. Class 46.

Jeanne Doll Produce: *See*—
Glovinazzi, Robert A.

Jefferson Electric Company, Bellwood, Ill. Electric clocks. 553,475, Jan. 15; Serial No. 592,636, published Oct. 9, 1951. Class 27.

Jefferson Island Salt Company, Louisville, Ky. Salt. 553,415, Jan. 15; Serial No. 582,966, published Oct. 23, 1951. Class 46.

Jennison, W. J., Company, Minneapolis, Minn. First clear wheat flour. 553,439, Jan. 15; Serial No. 586,414, published Oct. 9, 1951. Class 46.

Jubilee Manufacturing Company, Omaha, Nebr. Electric horns. 553,676, Jan. 15; Serial No. 602,845. Class 21.

Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone switchboards. 553,387, Jan. 15; Serial No. 571,085, published Feb. 6, 1951. Class 21.

Keuffel & Esser Company, Hoboken, N. J. Drawing papers, bristol boards, detail drawing papers, etc. 414,644, Jan. 15; Serial No. 525,879, published Aug. 28, 1951. Class 37.

Kewaskum Utensil Company, Kewaskum, Wis., now by change of name Regal Ware, Inc. Coffee makers. 553,683, Jan. 15; Serial No. 613,850. Class 13.

King Refrigerator Corporation, Glendale, N. Y. Refrigerators. 553,674–5, Jan. 15; Serial No. 601,736–7. Class 31.

Kirchhoff, August C., & Co., Chicago, Ill. Cheese. 553,585, Jan. 15; Serial No. 607,139, published Sept. 11, 1951. Class 46.

Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Electrically powered incandescent spot lights and parts therefor. 553,596, Jan. 15; Serial No. 608,008, published Oct. 16, 1951. Class 21.

Klik Enterprises, Inc., New York, N. Y. Pens and pencils. 553,561–2, Jan. 15; Serial Nos. 605,162–3, published Oct. 9, 1951. Class 37.

Knapp-Monarch Company, Belleville, Ill., to Knapp-Monarch Company, St. Louis, Mo. Insulated jugs and vacuum bottles. 290,798, renewed Jan. 19, 1952. O. G. Jan. 15. Class 2.

Knapp-Monarch Company, Belleville, Ill., to Knapp-Monarch Company, St. Louis, Mo. Insulated jugs and vacuum bottles. 290,818, renewed Jan. 19, 1952. O. G. Jan. 15. Class 2.

Knapp-Monarch Company, Belleville, Ill., to Knapp-Monarch Company, St. Louis, Mo. Insulated jugs and vacuum bottles. 290,820, renewed Jan. 19, 1952. O. G. Jan. 15. Class 2.

Knapp-Monarch Company, Belleville, Ill., to Knapp-Monarch Company, St. Louis, Mo. Electric hair dryers, electric heating pads, therapeutic lamps, etc. 290,881, renewed Jan. 19, 1952. O. G. Jan. 15. Class 44.

Knapp-Monarch Company, Belleville, Ill., to Knapp-Monarch Company, St. Louis, Mo. Electric heating pads, electrically operated hair dryers, therapeutic lamps, etc. 290,882, renewed Jan. 19, 1952. O. G. Jan. 15. Class 44.

Kolynos Company, The, New Haven, Conn., to Whitehall Pharmacal Company, New York, N. Y. Dental cream. 290,754, renewed Jan. 12, 1952. O. G. Jan. 15. Class 51.

Koreli Company, New York and Mechanicville, N. Y. Ladies' and misses' dresses and suits. 553,377, Jan. 15; Serial No. 567,521, published Oct. 23, 1951. Class 39.

Kronstadt, Max, doing business as Bristol Seamless Ring Co., to Bristol Seamless Ring Company, New York, N. Y. Finger rings. 280,119, renewed Feb. 10, 1951. O. G. Jan. 15. Class 28.

Lake Chemical Company, Chicago, Ill. Soldering flux. 553,613, Jan. 15; Serial No. 609,245, published Oct. 23, 1951. Class 6.

Lakeland Manufacturing Company, Sheboygan, Wis. Men's and boys' jackets. 553,504, Jan. 15; Serial No. 596,927, published Oct. 23, 1951. Class 39.

Lamar Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

Lamb Rubber Corporation, Glendale, Calif. Thermoplastic expansion joint composition. 444,643, Jan. 15; Serial No. 520,340, published May 16, 1950. Class 12.

Lamperafters: *See*—
Rosenthal, Ernest.

Land O'Lakes Creameries, Inc., Minneapolis, Minn. Creamery butter. 287,975, renewed Oct. 20, 1951. O. G. Jan. 15. Class 46.

Landen, Charles J., doing business as Landen Putty Works, assignor to Landen Putty Works, Inc., Malden, Mass. Nonbituminous compositions. 553,370, Jan. 15; Serial No. 564,881, published Aug. 1, 1950. Class 12.

Landen Putty Works: *See*—
Landen, Charles J.

Landen Putty Works, Inc., assignee: *See*—
Landen, Charles J.

Lee Paper Company, Vicksburg, Mich. Rag content writing paper and letterheads. 553,306, Jan. 15; Serial No. 515,119, published Sept. 11, 1951. Class 37.

Leggett, Francis H., & Company, New York, N. Y. Grape juice, apple cider, and soda fountain syrups, etc. 553,579, Jan. 15; Serial No. 606,668, published Sept. 25, 1951. Class 45.

Lehon Company, The, Chicago, Ill. Paper napkins. 553,631, Jan. 15; Serial No. 610,219, published Oct. 9, 1951. Class 37.

Lempco Products, Inc., Bedford, Ohio. Water pumps, lathes, presses, etc. 553,505–6, Jan. 15; Serial Nos. 597,004–5, published Oct. 16, 1951. Class 23.

Lenwells, Inc., Chicago, Ill., to Gillette Safety Razor Company, Boston, Mass. Hair dressing. 289,051, renewed Nov. 17, 1951. O. G. Jan. 15. Class 51.

Lewis, Dallas B., doing business as Ross Food Co., assignor to Lewis Food Co., Los Angeles, Calif. Cat food. 553,341, Jan. 15; Serial No. 545,135, published Oct. 9, 1951. Class 46.

Lewis Food Co., assignee: *See*—
Lewis, Dallas B.

Lily Lake Cheese Co., Inc.: *See*—
Weinberg Butter & Egg Co. Inc., The.

Lind, William: *See*—
Trippe, Barker & Co.

Lind, William, Co.: *See*—
Trippe, Barker & Co.

Lorate Company, Inc., to Standard Laboratories, Inc., New York, N. Y. Medicinal preparation. 289,532, renewed Dec. 1, 1951. O. G. Jan. 15. Class 18.

Lowe, Joe, Corporation, New York, N. Y. Bags. 553,402, Jan. 15; Serial No. 579,115, published Oct. 30, 1951. Class 2.

Lowe, Joe, Corporation, New York, N. Y. Accordions. 553,403, Jan. 15; Serial No. 580,078, published Sept. 26, 1950. Class 35.

Mauss, William T., doing business as "Mass-Matic" Record Service, Phoenix, Ariz. Partially printed record forms. 553,578, Jan. 15; Serial No. 606,617, published Sept. 11, 1951. Class 37.

Macy, R. H., & Co., Inc., New York, N. Y. Toilet soap. 553,476, Jan. 15; Serial No. 592,734, published Oct. 23, 1951. Class 52.

Mally, Edwin J., doing business as the Cross Drug Co., Chicago, Ill., to Richard Hudnut, New York, N. Y. Medicinal preparation. 290,929, renewed Jan. 19, 1952. O. G. Jan. 15. Class 18.

Manfredonia Machine Company, Long Island City, N. Y. Envelope-making and gumming machinery. 553,364, Jan. 15; Serial No. 560,633, published Oct. 2, 1951. Class 23.

Mann Chemical Laboratories, Inc., doing business as Leo Mann & Company, Boston, Mass. Liquid spray air purifier. 553,497, Jan. 15; Serial No. 596,286, published Oct. 16, 1951. Class 6.

Mann, Leo, & Company: *See*—
Mann Chemical Laboratories, Inc.

Markem Machine Company: *See*—
Putnam, Fred A.

Mars, Incorporated, Chicago, Ill. Candy. 553,503, Jan. 15; Serial No. 596,740, published Oct. 30, 1951. Class 46.

Marshall Field & Company, Chicago, Ill. Sheets and pillow cases. 239,063, Feb. 21, 1928. Amended. O. G. Jan. 15. Class 42.

Marshall Field & Company, Chicago, Ill. Candy. 553,452, Jan. 15; Serial No. 589,100, published Sept. 18, 1951. Class 46.

Martin Dennis Company, The, Newark, assignor, by mesne assignments, to J. H. Nutting, West Caldwell, N. J. Glove shampoo. 553,399, Jan. 15; Serial No. 578,678, published Oct. 23, 1951. Class 52.

Martin, Marion L., doing business as Marion L. Martin & Company, Houston, Tex. General insurance brokerage. 553,688, Jan. 15; Serial No. 560,211. Class 102.

Martin, Marion L., & Company: *See*—
Martin, Marion L.

Maryland Baking Company, Inc., Baltimore, Md. Ice cream cones. 553,456, Jan. 15; Serial No. 589,618, published Oct. 23, 1951. Class 46.

"Mass-Matic" Record Service: *See*—
Maass, William T.

Mastercraft Manufacturing & Equipment Company, Chicago, Ill. All purpose cleaner. 553,438, Jan. 15; Serial No. 586,294, published Oct. 16, 1951. Class 52.

Masterpiece Foods, Inc., Santa Maria, Calif. Canned vegetables, tomato sauce, tomato puree, lima beans, etc. 553,588, Jan. 15; Serial No. 607,436, published Sept. 18, 1951. Class 46.

Mayer, M. E., Vienna, Austria, to Mem Company, Inc., New York, N. Y. Grindstones, pumice stones; polishing powder, etc. 282,642, renewed Apr. 28, 1951. O. G. Jan. 15. Class 4.

Mayer, Oscar, & Co., Inc., Chicago, Ill. Ham, bacon, lard, fresh pork, etc. 553,462, Jan. 15; Serial No. 590,607, published Sept. 11, 1951. Class 46.

McBee Company, The, Athens, Ohio. Bond paper. 553,335, Jan. 15; Serial No. 543,624, published Oct. 23, 1951. Class 37.

McBee Company, The, Athens, Ohio. Bond paper. 553,336, Jan. 15; Serial No. 543,626, published Oct. 23, 1951. Class 37.

Meadowbrook Candy Company, Moline, Ill. Candy. 553,331, Jan. 15; Serial No. 540,301, published Nov. 7, 1950. Class 46.

Mecca Growers Association, Mecca, Calif. Fresh grapefruit and fresh grapes. 553,345, Jan. 15; Serial No. 547,469, published Oct. 23, 1951. Class 46.

Mem Company, Inc.: *See*—
Mayer, M. E.

Mergenthaler Linotype Company, Brooklyn, N. Y. Matrices. 290,631, renewed Jan. 12, 1952. O. G. Jan. 15. Class 50.

Merit Clothing Company, Mayfield, Ky. Men's suits. 553,489, Jan. 15; Serial No. 595,507, published Oct. 23, 1951. Class 39.

Merrill Manufacturing Company, Des Moines, Iowa. Hydrants. 553,677, Jan. 15; Serial No. 602,963. Class 13.

Mesh Weaving Mills Co., North Kansas City, Mo. Mesh bags. 553,500, Jan. 15; Serial No. 596,431, published Oct. 30, 1951. Class 2.

Metropolitan Electric Mfg. Co., Long Island City, N. Y. Renewable fuses. 553,425, Jan. 15; Serial No. 584,584, published Sept. 12, 1950. Class 21.

Midway Chemical Company, Chicago, Ill., to Boyle-Midway Inc., New York, N. Y. Shoe polish. 288,225, renewed Oct. 20, 1951. O. G. Jan. 15. Class 4.

Midway Chemical Company, Chicago, Ill., to Boyle-Midway Inc., New York, N. Y. Liquid insecticide. 288,658, renewed Nov. 3, 1951. O. G. Jan. 15. Class 6.

Miller, Jon H., doing business as Brookbound Orchards, Claverack, N. Y. Fruit in candy form. 553,513, Jan. 15; Serial No. 597,968, published Oct. 16, 1951. Class 46.

Miller Wholesale Drug Company, Cleveland, Ohio, to Wyeth Incorporated, Philadelphia, Pa. Liquid laxative preparations. 288,431, renewed Oct. 27, 1951. O. G. Jan. 15. Class 18.

Milprint, Inc., Milwaukee, Wis. Printed, engraved, and blank correspondence paper and stationery. 553,392, Jan. 15; Serial No. 573,729, published Sept. 11, 1951. Class 37.

Mission Dry Corporation, Los Angeles, Calif. Maltless non-alcoholic beverages. 553,378, Jan. 15; Serial No. 567,995, published Oct. 16, 1951. Class 45.

Mock Seed Company, Pittsburgh, Pa. Grass seed. 553,538, Jan. 15; Serial No. 602,732, published Oct. 23, 1951. Class 1.

Monticello Dairy, Inc., Charlottesville, Va. Fresh milk, fresh cream, fresh butter, etc. 553,449, Jan. 15; Serial No. 588,446, published Oct. 16, 1951. Class 46.

Mueller Brass Co., Port Huron, Mich. Tools. 289,612, renewed Dec. 1, 1951. O. G. Jan. 15. Class 23.

Myre, Clifford R., doing business under the name and style, Paynesville Products Co., Paynesville, Minn. Radio and television antenna. 553,480, Jan. 15; Serial No. 593,606, published Oct. 23, 1951. Class 21.

N. V. Vereenigde Limonadefabrieken, The Hague, Netherlands. Non-alcoholic maltless soft drinks. 553,405, Jan. 15; Serial No. 580,737, published Oct. 16, 1951. Class 45.

N & W Industries, Inc., Lynchburg, Va. One-piece work garment. 553,494, Jan. 15; Serial No. 596,043, published Oct. 9, 1951. Class 39.

Nashua Gummed and Coated Paper Company, Nashua, N. H. Products in sheet and in strip form converted from paper and from films analogous to paper. 553,328, Jan. 15; Serial No. 538,946, published Aug. 28, 1951. Class 37.

Nata Products Company: *See*—
Crown Zellerbach Corporation.

National Battery Company, to Gould-National Batteries, Inc., St. Paul, Minn. Electric batteries. 289,444, renewed Nov. 24, 1951. O. G. Jan. 15. Class 21.

National Engineering Company, Chicago, Ill. Mulling machines. 553,535, Jan. 15; Serial No. 602,416, published Oct. 9, 1951. Class 23.

National Ideal Company, The, Toledo, Ohio. Egg baskets, chick and poultry boxes. 553,389, Jan. 15; Serial No. 572,512, published Oct. 30, 1951. Class 2.

National Paper Products Co., The: *See*—
Crown Zellerbach Corporation.

National Pressure Cooker Company, Eau Claire, Wis. Outboard motors. 553,354, Jan. 15; Serial No. 552,795, published Oct. 16, 1951. Class 23.

Newark Fireproof Sash & Door Co., Newark, N. J. Pans fitting over the burners of ranges. 553,666, Jan. 15; Serial No. 591,247. Class 13.

New Era Shirt Company, St. Louis, Mo. Men's shirts. 553,339, Jan. 15; Serial No. 544,372, published Oct. 23, 1951. Class 39.

Nolde and Horst Company, The, Reading, Pa. Hosiery. 288,903, renewed Nov. 10, 1951. O. G. Jan. 15. Class 39.

Nopco Chemical Company, Harrison, N. J. Detergent compositions. 553,433, Jan. 15; Serial No. 585,670, published Oct. 23, 1951. Class 52.

Norco of Bridgeport, Inc., Bridgeport, Conn. Hanger hook. 553,681, Jan. 15; Serial No. 606,314. Class 13.

Northwestern Mutual Fire Association, Seattle, Wash. Underwriting of fire, extended coverage, windstorm, etc., insurance. 553,645, Jan. 15; Serial No. 574,974, published Oct. 23, 1951. Class 102.

Nutro Dog Food Co.: *See*—
Serois, Herben.

Nutting, John H., assignee: *See*—
Martin Dennis Company, The.

Officine Elettromeccaniche Puglioli & Co., Ferrara, Italy. Dynamos, current generators, electric bicycle and motorcycle head and rear lamps, etc. 553,436, Jan. 15; Serial No. 586,104, published Oct. 9, 1951. Class 21.

Ohio Farm Bureau Service Company, The, to The Farm Bureau Cooperative Association, Inc., Columbus, Ohio. Dairy feeds. 287,933, renewed Oct. 20, 1951. O. G. Jan. 15. Class 46.

101 Ranch Boys, Inc., York, Pa. Entertainment service. 553,646, Jan. 15; Serial No. 585,895, published Oct. 23, 1951. Class 107.

Orange Cove Citrus Association, Orange Cove, Calif. Fresh citrus fruits. 553,361, Jan. 15; Serial No. 555,006, published Oct. 23, 1951. Class 46.

Orange-Crush Company, Chicago, Ill. Non-alcoholic, maltless soft drinks. 553,523, Jan. 15; Serial No. 599,967, published Sept. 11, 1951. Class 45.

Orchard Paper Co., St. Louis, Mo. Wrapping paper. 553,556–7, Jan. 15; Serial Nos. 605,046–7, published Oct. 2, 1951. Class 37.

Ormont, James, New York, N. Y. Mouthwash. 553,440, Jan. 15; Serial No. 586,556, published Apr. 17, 1951. Class 51.

Ossola, J., Co.: *See*—
Ossola, J., Co., Inc.

Ossola, J., Co., Inc., also known as J. Ossola Co., New York, N. Y. Cottonseed oil, corn oil and peanut oil. 553,344, Jan. 15; Serial No. 546,601, published Oct. 16, 1951. Class 46.

Paint Products Laboratories: *See*—
Sickle, Edward B.

Pantasote Co., The, Passaic, N. J., and New York, N. Y. Plastic material. 553,580–1, Jan. 15; Serial Nos. 606,674–5, published Oct. 9, 1951. Class 50.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Wood preservative. 553,678, Jan. 15; Serial No. 603,078. Class 6.

Pawling Rubber Corporation, Pawling, N. Y. Door mats and floor mats. 553,435, Jan. 15; Serial No. 585,858, published Oct. 9, 1951. Class 50.

Paynesville Products Co.: *See*—
Myre, Clifford R.

Peed, Clarence J., doing business as California Pencil Co., Hollywood, Calif. Pencils. 553,510, Jan. 15; Serial No. 597,456, published Oct. 2, 1951. Class 37.

Peerless Packers, Inc., New York, N. Y. Canned powdered whole milk. 553,495, Jan. 15; Serial No. 596,183, published Aug. 14, 1951. Class 46.

Peerless Photo Products, Inc., Shoreham, N. Y. Sensitized photographic paper. 553,382, Jan. 15; Serial No. 569,393, published Oct. 16, 1951. Class 26.

Penn-Standard Sole Cementing Process, Inc., Philadelphia, Pa. Hand operated presses. 553,391, Jan. 15; Serial No. 573,676, published Oct. 16, 1951. Class 23.

Peoples Drug Stores, Inc., Washington, D. C. Candy. 553,592, Jan. 15; Serial No. 607,826, published Oct. 9, 1951. Class 46.

Perfection Stove Company, Cleveland, Ohio. Liquid fuel stoves, ovens for liquid fuel stoves, oil burners, etc. 289,291, renewed Nov. 24, 1951. O. G. Jan. 15. Class 34.

Peshastin Fruit Growers Association, Peshastin, Wash. Fresh apples. 553,568, Jan. 15; Serial No. 605,760, published Aug. 14, 1951. Class 46.

Peteb Corporation, The, to Whitehall Pharmacal Company, New York, N. Y. Cleansing cream. 288,486, renewed Oct. 27, 1951. O. G. Jan. 15. Class 51.

Petroleum Rectifying Company of California, Los Angeles, to Petrolite Corporation, Ltd., Long Beach, Calif. Tanks. 289,613, renewed Dec. 1, 1951. O. G. Jan. 15. Class 2.

Petrolite Corporation, Ltd.: *See* Petroleum Rectifying Company of California.

Pfeiffer, S., Manufacturing Company, St. Louis, Mo. Insect repellents. 553,582, Jan. 15; Serial No. 606,677, published Oct. 16, 1951. Class 6.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc. Antibiotic preparation. 553,608, Jan. 15; Serial No. 608,893, published Sept. 11, 1951. Class 18.

Phillips Petroleum Company, Bartlesville, Okla. Services rendered to automobiles, trucks, and other automotive vehicles. 553,649, Jan. 15; Serial No. 598,598, published Oct. 23, 1951. Class 103.

Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 553,427, Jan. 15; Serial No. 585,185, published Oct. 23, 1951. Class 46.

Pink Lady Corporation, Edinburg, Tex. Texas citrus fruit. 553,386 Jan. 15; Serial No. 570,908, published Oct. 23, 1951. Class 46.

Polk Packing Association, Winter Haven, Fla. Canned citrus fruit juices. 553,655, Jan. 15; Serial No. 520,120. Class 46.

Polyphase Chemical Service, Inc., New York, N. Y. Chemicals and chemical products. 553,482, Jan. 15; Serial No. 593,935, published Oct. 16, 1951. Class 6.

Port Chatham Packing Co. Inc., Seattle, Wash. Canned salmon and packaged smoked salmon. 553,634, Jan. 15; Serial No. 611,239, published Oct. 30, 1951. Class 46.

Porter, H. K., Inc., Somerville, Mass. Solvent used in connection with cold solder. 553,512, Jan. 15; Serial No. 597,903, published Oct. 16, 1951. Class 6.

Potter Press, The, Waltham, Mass. Manifold forms, manifold booklets, invoice or bill forms, etc. 553,526, Jan. 15; Serial No. 601,168, published Sept. 11, 1951. Class 37.

Powell, Wylie R., doing business as Fenole Chemical Company, Jacksonville, Fla. Soapy liquid cleaner. 553,463, Jan. 15; Serial No. 590,944, published Oct. 23, 1951. Class 52.

Pre-Curb Root Beer Co. of America, Altadena, Calif. Root beer and its concentrate. 553,388, Jan. 15; Serial No. 572,202, published Oct. 9, 1951. Class 45.

Price Extract Company: *See*— Price Flavoring Extract Company.

Price Flavoring Extract Company, to Price Extract Company, Chicago, Ill. Condimental sauce and salad dressing. 284,298, renewed June 23, 1951. O. G. Jan. 15. Class 46.

Probak Corporation, Jersey City, N. J., and New York, N. Y., to Gillette Safety Razor Company, Boston, Mass. Razor blades and safety razors. 289,012, renewed Nov. 17, 1951. O. G. Jan. 15. Class 23.

Production and Marketing Corporation, The, Newtown, Conn. Charting and tracing clip boards and partially printed paper tracing charts. 553,542, Jan. 15; Serial No. 603,205, published Sept. 11, 1951. Class 37.

Pure Oil Company, The, Chicago, Ill. Paints, combination automobile cleaner and polish, etc. 553,379, Jan. 15; Serial No. 568,277, published Oct. 23, 1951. Class 4.

Putnam, Fred A., Boston, Mass., to Markem Machine Company, Keene, N. H. Compound for making a printed impression. 84,189, re-renewed Nov. 14, 1951. O. G. Jan. 15. Class 11.

Radiant Color Company, Oakland, Calif. Non-sensitized paper. 553,397, Jan. 15; Serial No. 576,137, published Sept. 4, 1951. Class 37.

Rancho de los Padres: *See*— California Fig Growers & Packers, Inc.

Regal Ware, Inc.: *See*— Kewaskum Utensil Company.

Regent Belt Co., Inc., New York, N. Y. Men's, ladies' and boys' belts. 553,567, Jan. 15; Serial No. 605,678, published Oct. 23, 1951. Class 39.

Reichhold Chemicals, Inc., Detroit, Mich. Styrene base resin solution for use in paints. 553,400, Jan. 15; Serial No. 578,826, published Oct. 16, 1951. Class 16.

Resort Airlines, Inc., Pinehurst, N. C. Planning and personally conducting tours. 553,648, Jan. 15; Serial No. 597,784, published Oct. 23, 1951. Class 105.

Rex Products & Manufacturing Company, to Detrex Corporation, Detroit, Mich. Cleaning solvents. 292,020, renewed Mar. 1, 1952. O. G. Jan. 15. Class 52.

Reynolds Metals Company, Richmond, Va. Laminated metallic foil and paper. 553,509, Jan. 15; Serial No. 597,294, published Sept. 11, 1951. Class 37.

Reynolds-Shaffer Co., Detroit, Mich. Zeolite type water softening apparatus. 553,658, Jan. 15; Serial No. 553,979. Class 31.

Ricciardi Co., Inc., The, New York, N. Y. Ice cream. 553,432, Jan. 12; Serial No. 585,395, published Sept. 18, 1951. Class 46.

Rit Products Corporation, Chicago, Ill., to Rit Products Corporation, New York, N. Y. Shaving cream. 290,887, renewed Jan. 19, 1952. O. G. Jan. 15. Class 51.

River Brand Rice Mills, Inc.: *See*— Southern Rice Sales Company, Inc.

Robilio & Cuneo, Memphis, Tenn. Olive oil. 291,198, renewed Feb. 2, 1952. O. G. Jan. 15. Class 46.

Rogers Peet Company: *See*— Baker, Charles & Company, Inc.

Rosenthal, Ernest, doing business as Lamperafters, Washington, D. C. Electric lamps and shades and parts thereof. 553,671, Jan. 15; Serial No. 600,192. Class 21.

Rosenthal, P. S., Co.: *See*— Rosenthal, Paul S.

Rosenthal, Paul S., doing business as P. S. Rosenthal Co., New York, N. Y. Children's overalls, children's shirts, children's sun suits, etc. 553,477, Jan. 15; Serial No. 593,016, published Oct. 23, 1951. Class 39.

Ross Food Co.: *See*— Lewis, Dallas B.

Rossiger, H. P., & Co., Inc., New York, N. Y. Grain disinfectant. 553,518, Jan. 15; Serial No. 599,192, published Oct. 16, 1951. Class 6.

Rothman, Harry, Inc., New York, N. Y. Men's suits, top coats, sport coats, etc. 553,566, Jan. 15; Serial No. 605,495, published Oct. 9, 1951. Class 39.

Roto-Rooter Corporation, Des Moines, Iowa. Sewer and drain cleaning machines. 344,958, Apr. 13, 1937. Republished Jan. 15. Class 23.

Roto-Rooter Corporation, Des Moines, Iowa. Drain pipe cleaners. 387,226, May 6, 1941. Republished Jan. 15, Class 23.

Royal Crest Mfg. Co., Inc., New York, N. Y. Children's panties and bloomers. 553,575, Jan. 15; Serial No. 606,328, published Oct. 23, 1951. Class 39.

Rudd Plastic Fabrics Corp., New York, N. Y. Plastic fabrics. 553,492, Jan. 15; Serial No. 595,682, published Oct. 9, 1951. Class 50.

Ryvita Company, Limited, The: *See* Ryvita Company, Ltd., The.

Ryvita Company, Ltd., The, London, to The Ryvita Company, Limited, Poole, England. Bread and biscuits. 281,844, renewed Mar. 31, 1951. O. G. Jan. 15. Class 46.

Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned tuna. 553,633, Jan. 15; Serial No. 610,587, published Oct. 16, 1951. Class 46.

Saleen, John C.: *See*— Serois, Herben.

Salubra, S. A., Basel, Switzerland. Wall coverings made of paper. 286,880–81, renewed Sept. 8, 1951. O. G. Jan. 15. Class 37.

Sandoz Chemical Works, Inc., New York, N. Y. Dyestuffs. 387,388, May 13, 1941. Republished Jan. 15. Class 6.

Sandvig, Clarence E., doing business as The Cesco Company, Minneapolis, Minn. Partially printed forms and envelopes. 553,551, Jan. 15; Serial No. 604,598, published Sept. 4, 1951. Class 37.

Sanitary Products Corporation, Taneytown, Md. Hygienic vaginal tampons. 553,604, Jan. 15; Serial No. 608,677, published Oct. 23, 1951. Class 44.

Santa Clara Packing Company, San Jose, Calif. Canned peaches. 553,657, Jan. 15; Serial No. 542,788. Class 46.

Sayer Company, Washington, D. C. Book covers. 553,417, Jan. 15; Serial No. 583,554, published Oct. 16, 1951. Class 37.

Sayles Finishing Plants, Inc., Saylesville, R. I., and New York, N. Y. Cotton and woolen piece goods. 292,334, renewed Mar. 15, 1952. O. G. Jan. 15. Class 42.

Schenley Laboratories, Inc., New York, N. Y. Penicillin products. 553,373–4, Jan. 15; Serial No. 567,046–7, published Feb. 14, 1950. Class 18.

Schering & Glatz, Inc., Bloomfield, N. J., to Warner-Hudnut, Inc., New York, N. Y. Analgesics, anaesthetics, anodynes, etc. 287,481, renewed Sept. 29, 1951. O. G. Jan. 15. Class 18.

Schering-Kahlbaum, A. G., Berlin, Germany, to Warner-Hudnut, Inc., New York, N. Y. Alkamine derivatives. 290,010, renewed Dec. 22, 1951. O. G. Jan. 15. Class 6.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 290,747, renewed Jan. 12, 1952. O. G. Jan. 15. Class 39.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 291,090, renewed Jan. 26, 1952. O. G. Jan. 15. Class 39.

Schwartz, Allen, New York, N. Y. Chocolate marshmallows. 553,682, Jan. 15; Serial No. 607,401. Class 46.

Scotland, Bayard S., Joliet, Ill. Noodles. 553,669, Jan. 15; Serial No. 599,786. Class 46.

Scott, O. M., & Sons Company, Marysville, Ohio. Preparation for weed control. 553,611, Jan. 15; Serial No. 609,203, published Oct. 23, 1951. Class 6.

Scott Paper Company, Chester, Pa. Toilet paper. 553,530, Jan. 15; Serial No. 601,515, published Sept. 4, 1951. Class 37.

Scull, William S., Company, Camden, N. J. Coffee. 553,357, Jan. 15; Serial No. 553,989, published Aug. 14, 1951. Class 46.

Seaman, Harry J., doing business as Seaman Motors, assignor to Seaman Motors, Inc., Milwaukee, Wis. Rotary plows. 444,641, Jan. 15; Serial No. 503,999, published Sept. 25, 1951. Class 23.

Seaman Motors: *See*— Seaman, Harry J.

Seaman Motors, Inc., assignee: *See*— Seaman, Harry J.

Seamless Rubber Company, The, New Haven, Conn. Surgeons' gloves. 553,545, Jan. 15; Serial No. 603,549, published Oct. 23, 1951. Class 44.

Sears, Roebuck and Co., Chicago, Ill. Synthetic detergents. 553,353, Jan. 15; Serial No. 551,407, published Oct. 23, 1951. Class 52.

Seaman Brothers, Inc., New York, N. Y. Canned vegetables and canned fish. 553,325, Jan. 15; Serial No. 536,297, published Aug. 28, 1951. Class 46.

Serois, Herben, doing business as Nutro Dog Food Company, Santa Monica, by John C. Saleen, doing business as Nutro Dog Food Co., El Monte, Calif. Dog food, cat food and fox food. 334,656, May 12, 1936. Republished Jan. 15. Class 46.

Service Seed Co. Ltd., Crystal Springs, Miss. Vegetable seed and field seeds. 553,583, Jan. 15; Serial No. 606,812, published Sept. 25, 1951. Class 1.

Shelton Manufacturing Co., Inc., Long Island City, N. Y. Corrugated paper board. 553,416, Jan. 15; Serial No. 583,448, published Oct. 16, 1951. Class 37.

Sheridan Flouring Mills, Inc., Sheridan, Wyo. Hard wheat bakers' flour. 553,420, Jan. 15; Serial No. 584,040, published Oct. 16, 1951. Class 46.

Shoe and Leather Reporter Co., Boston, Mass. Periodicals. 290,791, renewed Jan. 19, 1952. O. G. Jan. 15. Class 38.

Shunk, L. E., Latex Products, Inc., Akron, Ohio. Prophylactic rubber articles. 286,042, renewed Aug. 11, 1951. O. G. Jan. 15. Class 44.

Sickle, Edward B., doing business as Paint Products Laboratories, to Willis C. Ware, doing business as Paint Products Laboratories, Chicago, Ill. Plastic composition material. 287,382, renewed Sept. 22, 1951. O. G. Jan. 15. Class 12.

Sigma Products Corporation, New York, N. Y. Preparation to prevent slipping in the bathtub. 553,680, Jan. 15; Serial No. 605,445. Class 6.

Silicone Polish Corp., New York, N. Y. Polish for automobiles, furniture, floors, etc. 553,515, Jan. 15; Serial No. 598,209, published Oct. 23, 1951. Class 4.

Silva, John R., doing business as John R. Silva & Co., Brooklyn, N. Y. Coffee, olive oil, cocoa, etc. 285,340, July 28, 1931. Republished Jan. 15. Class 46.

Silva, John R., & Co.: *See*— Silva, John R.

Simons & French Company, Incorporated: *See*— Simons & French Co., Inc.

Simons & French Co., Inc., New York, N. Y., to Simons & French Company, Incorporated, Sacramento, Calif., and New York, N. Y. Fresh vegetables, fresh citrus fruits, fresh deciduous fruits. 288,746, renewed Nov. 3, 1951. O. G. Jan. 15. Class 46.

Sita-Adventure Trails Inc., New York, N. Y. Conducting escorted travel tours. 553,651, Jan. 15; Serial No. 604,397, published Oct. 23, 1951. Class 105.

Size 'Im Up: *See*— Drake, Robert A.

Skolnick, Max, doing business under the name of Hi-Jolly Date Gardens, Mesa, Ariz. Canned and dry packed dates. 553,539, Jan. 15; Serial No. 603,027, published Sept. 11, 1951. Class 46.

Smooth-On Manufacturing Company, Jersey City, N. J. Liquid iron compound. 85,191, re-renewed Jan. 30, 1952. O. G. Jan. 15. Class 16.

Societa Generale Delle Conserve Alimentari Cirio, San Giovanni a Teduccio, near Naples, Italy. Tomato extract. 84,049, Oct. 31, 1911. Republished Jan. 15. Class 46.

Societe Anonyme André Citroën, Paris, France. Traction engines, internal-combustion engines, and structural parts thereof. 553,381, Jan. 15; Serial No. 599,017, published Oct. 2, 1951. Class 23.

Societe Nouvelle de Construction de Machines Outils et d'Outillages, Paris, France. Milling and boring machines, etc. 553,444, Jan. 15; Serial No. 586,885, published Oct. 16, 1951. Class 23.

Sonoco Products Company, Hartsville, S. C. Corrugating board. 553,394, Jan. 15; Serial No. 574,793, published Sept. 4, 1951. Class 37.

Southern Kraft Corporation, to International Paper Company, New York, N. Y. Kraft paper. 290,797, renewed Jan. 19, 1952. O. G. Jan. 15. Class 37.

Southern Rice Sales Company, Inc., by River Brand Rice Mills, Inc., New York, N. Y. Rice; barley; dried peas, etc. 285,927, Aug. 11, 1931. Republished Jan. 15. Class 46.

Speed Products Company, Inc., Long Island City, N. Y. Staple extractors. 553,393, Jan. 15; Serial No. 573,800, published Oct. 2, 1951. Class 23.

Speidel Corporation: *See*— Speidel, Edwin F. M.

Speidel Corporation, Providence, R. I. Bracelets. 553,600, Jan. 15; Serial No. 608,328, published Sept. 11, 1951. Class 28.

Speidel, Edwin F. M., doing business as Automatic Gold Chain Company, by Speidel Corporation, Providence, R. I. Jewelry. 290,422, Jan. 5, 1932. Republished Jan. 15. Class 28.

Spencerian Pen Company Inc.: *See*— Spencerian Pen Company, The.

Spencerian Pen Company, The, to Spencerian Pen Company Inc., New York, N. Y. Pen tools. 292,085, renewed Mar. 1, 1952. O. G. Jan. 15. Class 23.

Stadler Packing Co., Inc., Columbus, Ind. Pork and beef products. 553,375, Jan. 15; Serial No. 567,155, published Oct. 23, 1951. Class 46.

Standard Laboratories, Inc.: *See*— Lorate Company, Inc.

Stenzel, K., & Sons, New York, N. Y. Spectacle frames and parts thereof. 553,637, Jan. 15; Serial No. 612,875, published Oct. 16, 1951. Class 26.

Stewart Paint Manufacturing Company, Minneapolis, Minn. Varnish. 553,396, Jan. 15; Serial No. 575,726, published Oct. 23, 1951. Class 16.

Stewart-Warner Corporation, Chicago, Ill. Lubricator units. 553,628, Jan. 15; Serial No. 609,745, published Oct. 2, 1951. Class 23.

Stocker Manufacturing Company, Netcong, N. J. Wrapping paper. 553,384, Jan. 15; Serial No. 569,902, published Oct. 9, 1951. Class 37.

Straubel Paper Co., Green Bay, Wis. Dusting tissue. 553,369, Jan. 15; Serial No. 564,664, published Sept. 25, 1951. Class 37.

Stuhmer, Geo. F., & Company, Brooklyn, N. Y. Bakery products. 553,488, Jan. 15; Serial No. 595,289, published Sept. 4, 1951. Class 46.

Styron-Beggs Company, The, Newark, Ohio. Medicinal preparations. 553,595, Jan. 15; Serial No. 607,970, published Sept. 11, 1951. Class 18.

Sun Chemical Corporation, Long Island City, N. Y. Mildew-proofing compositions. 553,606, Jan. 15; Serial No. 608,770, published Oct. 16, 1951. Class 6.

Swank, Inc., Attleboro, Mass. Tie holder. 553,522, Jan. 15; Serial No. 599,600, published Oct. 16, 1951. Class 28.

Swift & Company, Chicago, Ill. Salami. 553,342, Jan. 15; Serial No. 546,249, published Sept. 18, 1951. Class 46.

Swiss Watch Dial Co., Inc., New York, N. Y. Wrist-bands for wrist watches. 553,428, Jan. 15; Serial No. 585,196, published Sept. 25, 1951. Class 28.

Swiss Watch Dial Co., Inc., New York, N. Y. Wrist-bands for wrist watches. 553,563, Jan. 15; Serial No. 605,242, published Sept. 25, 1951. Class 28.

Sylvania Electric Products, Inc.: *See*— Hygrade Lamp Company.

Tau Beta Pi Association, Knoxville, Tenn. Stimulating and maintaining interest in good scholarship, civic and community activities. 553,653, Jan. 15; Serial No. 594,236, published Oct. 23, 1951. Class 100.

Taylor, Winslow L., Philadelphia, Pa. Paper bath mats. 553,498, Jan. 15; Serial No. 596,302, published Oct. 9, 1951. Class 37.

Telu Enterprises, Inc., New York, N. Y. Lead pencils. 553,597, Jan. 15; Serial No. 608,092, published Sept. 4, 1951. Class 37.

Tennes, Richard J., assignee: *See*— Vend-Rite Manufacturing Company.

Tension Envelope Corporation, Kansas City, Mo. Mailing envelopes. 553,309, Jan. 15; Serial No. 519,908, published Oct. 2, 1951. Class 37.

Terry, Sidney J., Chicago, Ill. Mechanical control. 553,663, Jan. 15; Serial No. 583,180. Class 13.

Textileather Corporation: *See*— Zapon Company, The.

Textileather Corporation, Toledo, Ohio. Coated fibrous materials and resinous sheet materials. 553,426, Jan. 15; Serial No. 584,881, published Oct. 9, 1951. Class 50.

Thomas, Thelma H., St. Louis, Mo. Fried chicken. 553,664, Jan. 15; Serial No. 586,329. Class 46.

Thompson-Hayward Chemical Co., Kansas City, Mo. Insecticide. 553,616, Jan. 15; Serial No. 609,384, published Oct. 16, 1951. Class 6.

Thompson, Marvin L., Knoxville, Tenn. Advertising the goods and services of others. 553,647, Jan. 15; Serial No. 592,448, published Oct. 23, 1951. Class 101.

Threemor Sales Co., Brooklyn, N. Y. Non-alcoholic maltless chocolate soft drink. 553,484, Jan. 15; Serial No. 595,017, published Aug. 28, 1951. Class 45.

Tileston and Hollingsworth Company, Boston, Mass. Printing paper. 553,618, Jan. 15; Serial No. 609,506, published Oct. 2, 1951. Class 37.

Tileston and Hollingsworth Company, Boston, Mass. Printing paper. 553,619–20, Jan. 15; Serial Nos. 609,508–9, published Oct. 2, 1951. Class 37.

Tileston and Hollingsworth Company, Boston, Mass. Printing paper. 553,621, Jan. 15; Serial No. 609,510, published Sept. 25, 1951. Class 37.

Tileston and Hollingsworth Company, Boston, Mass. Printing paper. 553,622, Jan. 15; Serial No. 609,511, published Oct. 2, 1951. Class 37.

Tileston and Hollingsworth Company, Boston, Mass. Printing and writing paper. 553,623, Jan. 15; Serial No. 609,512, published Sept. 25, 1951. Class 37.

Tileston and Hollingsworth Company, Boston, Mass. Printing and writing paper. 553,624, Jan. 15; Serial No. 609,514, published Oct. 2, 1951. Class 37.

Tileston and Hollingsworth Company, Boston, Mass. Printing and writing paper. 553,625, Jan. 15; Serial No. 609,515, published Sept. 25, 1951. Class 37.

Tileston and Hollingsworth Company, Boston, Mass. Printing and writing paper. 553,626, Jan. 15; Serial No. 609,517, published Sept. 25, 1951. Class 37.

Timely Clothes, Inc.: *See*—
Hoyt, F. M., Shoe Corporation.

Tioga Mills, Inc., Waverly, N. Y. Animal foods. 553,302, Jan. 15; Serial No. 534,838, published Oct. 23, 1951. Class 46.

Todd Company, Inc., The, Rochester, N. Y. Pocket check covers, commercial pass books, savings pass books, etc. 553,576, Jan. 15; Serial No. 606,343, published Oct. 2, 1951. Class 37.

Toy Manufacturers of the U. S. A., Inc., New York, N. Y. Furnishing trade information and promotional ideas to its members, etc. 553,640, Jan. 15; Serial No. 543,543, published Oct. 23, 1951. Class 100.

Treinis Brothers, Inc., Brooklyn, N. Y. Bags. 553,322, Jan. 15; Serial No. 532,070, published Oct. 30, 1951. Class 2.

Trippe, Barker & Co., to W. Lind, doing business as William Lind Co., New York, N. Y. Cotton and linen piece goods. 85,836, re-renewed Mar. 19, 1952. O. G. Jan. 15. Class 42.

Tru-Ade, Inc., Chicago, Ill. Non-alcoholic, maltless beverage. 553,569, Jan. 15; Serial No. 605,816, published Sept. 11, 1951. Class 45.

Twin Falls Milling & Elevator Co., The, Twin Falls, Idaho, to The Colorado Milling & Elevator Co., Denver, Colo. Wheat-flour. 85,695, re-renewed Mar. 5, 1952. O. G. Jan. 15. Class 46.

Twin Falls Milling & Elevator Co., The, Twin Falls, Idaho, to The Colorado Milling & Elevator Co., Denver, Colo. Wheat-flour. 85,778, re-renewed Mar. 12, 1952. O. G. Jan. 15. Class 46.

Uncas Manufacturing Company, Providence, R. I. Jewelry. 553,679, Jan. 15; Serial No. 604,043. Class 28.

Union Novelty Company, Inc., New York, N. Y. Novelty ornaments and decorations. 553,525, Jan. 15; Serial No. 600,744, published Oct. 9, 1951. Class 50.

United Paper Company, Tampa, Fla. Waxed paper rolls and sheets. 553,351, Jan. 15; Serial No. 549,993, published Sept. 11, 1951. Class 37.

U. S. Detergents Co. Inc., New York, N. Y. Gel compositions. 553,441, Jan. 15; Serial No. 586,714, published Oct. 23, 1951. Class 52.

United States Gypsum Company, Chicago, Ill. Ground quicklime. 553,617, Jan. 15; Serial No. 609,457, published Oct. 23, 1951. Class 1.

United States Junior Chamber of Commerce, The, St. Louis, Mo., and Tulsa, Okla. Stimulating and maintaining interest in public affairs, etc. 553,642, Jan. 15; Serial No. 557,404, published Oct. 23, 1951. Class 100.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 553,638, Jan. 15; Serial No. 616,349, published Oct. 23, 1951. Class 22.

Universal Mills, Fort Worth, Tex. White wheat flour. 440,910, Oct. 12, 1948. Republished Jan. 15. Class 46.

Universal Winding Company: *See*—
Atwood Machine Company, The.

Utica Drop Forge & Tool Company, Whitestown and Utica, to Utica Drop Forge & Tool Corporation, Utica, N. Y. Nippers, pliers, staple-pullers, etc. 83,793, re-renewed Oct. 10, 1951. O. G. Jan. 15. Class 23.

Utica Drop Forge & Tool Corporation: *See*—
Utica Drop Forge & Tool Company.

V & M Beverage Company, Wellsburg, W. Va. Maltless soft drinks and carbonated waters. 553,447, Jan. 15; Serial No. 587,512, published Sept. 18, 1951. Class 45.

Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. 553,318, Jan. 15; Serial No. 527,989, published Apr. 27, 1948. Class 37.

Vaughan Mfg. Co., Chicago, Ill., by change of name from Vaughan Novelty Mfg. Co. Can openers. 553,371, Jan. 15; Serial No. 566,370, published Oct. 16, 1951. Class 23.

Vaughan Novelty Mfg. Co.: *See*—
Vaughan Mfg. Co.

Veego Foods, Inc., Harrison, N. J. Cheese. 553,516, Jan. 15; Serial No. 598,767, published Sept. 25, 1951. Class 46.

Velveray Corporation, Clifton, N. J. Plastic film. 553,490, Jan. 15; Serial No. 595,572, published Oct. 9, 1951. Class 50.

Vend-Rite Manufacturing Company, assignor to R. J. Teunes, Chicago, Ill. Vending machines. 553,461, Jan. 15; Serial No. 590,199, published Oct. 9, 1951. Class 23.

Verband Nordostschweiz. Käserei und Milchgenossenschaften, Inhaber der "Welchkäserei Uster," Winterthur, Switzerland. Cheese. 553,437, Jan. 15; Serial No. 586,210, published Oct. 16, 1951. Class 46.

Victor Equipment Company, San Francisco, Calif. Coated and uncoated welding rods. 553,486, Jan. 15; Serial No. 595,173, published Oct. 23, 1951. Class 14.

Vimco Macaroni Products Company, Carnegie, Pa. Macaroni. 553,418–19, Jan. 15; Serial Nos. 583,965–6, published Oct. 9, 1951. Class 46.

Vlock, Mark, doing business under the name of Adapta Film Holder Co., New York, N. Y. X-ray film holders. 553,564, Jan. 15; Serial No. 605,245, published Oct. 16, 1951. Class 26.

Waldron and Company, Inc., Philadelphia, Pa. Jewelry. 553,407, Jan. 15; Serial No. 581,105, published Oct. 9, 1951. Class 28.

Waldron and Company, Inc., Philadelphia, Pa. Watches. 553,408, Jan. 15; Serial No. 581,106, published Oct. 9, 1951. Class 27.

Walla Walla Canning Company, Walla Walla, Wash. Canned fruits and vegetables. 553,320, Jan. 15; Serial No. 530,603, published Aug. 28, 1951. Class 46.

Wampole, Henry K., & Company, Incorporated, Philadelphia, Pa. Medicinal iodine preparation. 553,478, Jan. 15; Serial No. 593,033, published Sept. 18, 1951. Class 18.

Waples-Platter Company, Fort Worth, Tex. Hominy. 553,423, Jan. 15; Serial No. 584,516, published Oct. 3, 1950. Class 46.

Ware, Willis C.: *See*—
Sickle, Edward B.

Warner-Hudnut, Inc.: *See*—
Schering & Glatz, Inc.
Schering-Kahlbaum, A. G.

Washington Mfg. Company, Nashville, Tenn. Ladies' and girl's blue jeans. 553,536, Jan. 15; Serial No. 602,655, published May 22, 1951. Class 39.

Waxide Paper Company, Kansas City, Mo. Wax paper. 553,414, Jan. 15; Serial No. 582,757, published Aug. 28, 1951. Class 37.

Weinberg Butter & Egg Co, Inc., The, to Lily Lake Cheese Co., Inc., New York, N. Y. Butter and cheese. 291,877, renewed Feb. 23, 1952. O. G. Jan. 15. Class 46.

Welch Grape Juice Company, The, Westfield, N. Y. Grape juice. 553,591, Jan. 15; Serial No. 607,783, published Sept. 4, 1951. Class 45.

Wellington Sears Company, New York, N. Y. Cloths. 290,269, renewed Dec. 29, 1951. O. G. Jan. 15. Class 42.

Western Dairy Products, Inc., San Francisco, Calif. Fresh eggs, butter and cheese. 553,656, Jan. 15; Serial No. 536,857. Class 46.

Western Tablet & Stationery Corporation, Dayton, Ohio. Partially printed time books. 444,645, Jan. 15; Serial No. 526,095, published Sept. 18, 1951. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, papeteries. 444,646, Jan. 15; Serial No. 526,125, published Sept. 4, 1951. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Papeteries. 553,312, Jan. 15; Serial No. 526,070, published Sept. 4, 1951. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Papeteries. 553,313, Jan. 15; Serial No. 526,144, published Sept. 4, 1951. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. 553,314, Jan. 15; Serial No. 526,145, published Oct. 23, 1951. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets and loose paper. 553,315, Jan. 15; Serial No. 526,156, published Oct. 2, 1951. Class 37.

West Virginia Pulp & Paper Company, New York, N. Y. Printing-paper. 82,938, Aug. 1, 1911. Corrected. O. G. Jan. 15. Class 37.

West Virginia Pulp & Paper Company, New York, N. Y. Printing-paper. 82,940, Aug. 1, 1911. Corrected. O. G. Jan. 15. Class 37.

West Virginia Pulp and Paper Company, New York, N. Y. Writing paper, index bristol, and book papers. 553,363, Jan. 15; Serial No. 559,393, published Oct. 9, 1951. Class 37.

Whitehall Pharmacal Company: *See*—
Anacin Company, The.
Kolynos Company, The.
Peteb Corporation, The.

White Washburne Company, Inc., Hinsdale, N. H. All kinds of toilet tissue. 553,460, Jan. 15; Serial No. 590,118, published Oct. 9, 1951. Class 37.

Whiting-Plover Paper Company, Stevens Point, Wis. Writing and typing paper. 553,598, Jan. 15; Serial No. 608,136, published Sept. 4, 1951. Class 37.

Whitney, F. A., Carriage Company, Leominster, Mass. Baby carriages. 341,360, Dec. 8, 1936. Republished Jan. 15. Class 19.

Wickwire Spencer Steel Company: *See*—
Bowers, Edward C., and C. L. Feldman.

Wiedeke Company, The: *See*—
Wiedeke, Gustav, Co.

Wiedeke, Gustav, Co., to The Wiedeke Company, Dayton, Ohio. Tube and flue cutters, tube and flue expanders, tube and flue beading, etc. 289,259, renewed Nov. 24, 1951. O. G. Jan. 15. Class 23.

Williamson, Donald H., doing business as Icy-Ike Co., Galesburg, Ill. Ice cream and cake confection. 553,372, Jan. 15; Serial No. 567,013, published Sept. 18, 1951. Class 46.

Wilson Footwear Company: *See*—
Hoyt, F. M., Shoe Company.

Wire-O Corporation, Poughkeepsie, N. Y. Loose-leaf and permanent binders. 553,442, Jan. 15; Serial No. 586,826, published Oct. 9, 1951. Class 37.

Wolfe, Cecil E., Detroit, Mich. Partially printed foot-ball score cards. 553,552, Jan. 15; Serial No. 604,756, published Sept. 4, 1951. Class 37.

Wolf's, A., Sons, Inc., Boston, Mass. Root beer and syrups. 553,524, Jan. 15; Serial No. 600,638, published Sept. 4, 1951. Class 45.

Wood, Walter F., Jr., Holliston, Mass. Dressed poultry. 553,570, Jan. 15; Serial No. 605,825, published Oct. 9, 1951. Class 46.

Wooden Shoe Brewing Company, The, Minster, Ohio. Beer. 553,448, Jan. 15; Serial No. 587,665, published Aug. 28, 1951. Class 48.

Worcester Cap Company, Boston, by Bancroft Cap Company, Framingham, Mass. Men's felt hats, uniform caps, and caps for general wear. 352,984, Dec. 21, 1937. Republished Jan. 15. Class 39.

Worcester Cap Company, Boston, by Bancroft Cap Company, Framingham, Mass. Uniform caps. 401,521, May 25, 1943. Republished Jan. 15. Class 39.

Wyeth Incorporated: *See*—
Miller Wholesale Drug Company.

Yawman and Erbe Mfg. Co., Rochester, N. Y. File guides, card-index guides, etc. 553,501, Jan. 15; Serial No. 596,464, published Oct. 16, 1951. Class 37.

Young, Richard, Company, Boston, Mass. Leather. 553,603, Jan. 15; Serial No. 608,648, published Oct. 23, 1951. Class 1.

Zapon Company, The, Wilmington, Del., to Textileather Corporation, Toledo, Ohio. Pyroxylin or otherwise coated fabrics. 288,400, renewed Oct. 27, 1951. O. G. Jan. 15. Class 50.

Zellwin Farms Company, Zellwood, Fla. Fresh vegetables. 553,349, Jan. 15; Serial No. 549,600, published Oct. 9, 1951. Class 46.

Zenith Radio Corporation, Chicago, Ill. Electrical hearing aids and parts thereof. 553,555, Jan. 15; Serial No. 605,002, published Oct. 9, 1951. Class 44.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clays. Ferro Enamel Corporation. 553,533–4, Jan. 15; Serial Nos. 602,383–4, published Oct. 9, 1951.

Leather. Richard Young Company. 553,603, Jan. 15; Serial No. 608,648, published Oct. 23, 1951.

Quicklime, Ground. United States Gypsum Company. 553,617, Jan. 15; Serial No. 609,457, published Oct. 23, 1951.

Resinous plastic materials. Imperial Chemical Industries Limited. 553,553, Jan. 15; Serial No. 604,890, published Oct. 23, 1951.

Seed, Grass. Mock Seed Company. 553,538, Jan. 15; Serial No. 602,732, published Oct. 23, 1951.

Seed, Vegetable and field seeds. Service Seed Co. Ltd. 553,583, Jan. 15; Serial No. 606,812, published Sept. 25, 1951.

CLASS 2

Bags. Joe Lowe Corporation. 553,402, Jan. 15; Serial No. 579,115, published Oct. 30, 1951.

Bags. Treinis Brothers, Inc. 553,322, Jan. 15; Serial No. 532,070, published Oct. 30, 1951.

Bags, Heat insulated canvas and plastic, and canvas bags. Canvas Specialty Compny. 553,362, Jan. 15; Serial No. 557,499, published Oct. 30, 1951.

Bags, Mesh. Mesh Weaving Mills Co. 553,500, Jan. 15; Serial No. 596,431, published Oct. 30, 1951.

Bags, Wardrobe, individual dress covers, shoulder covers, etc. Al-Lon Manufacturing Company, Inc. 290,266, renewed Dec. 29, 1951. O. G. Jan. 15.

Baskets, Egg, chick and poultry boxes. The National Ideal Company. 553,389, Jan. 15; Serial No. 572,512, published Oct. 30, 1951.

Cups, Paper. Continental Can Company Inc. 553,451, Jan. 15; Serial No. 588,940, published Oct. 30, 1951.

Jugs, Insulated, and vacuum bottles. Knapp-Monarch Company. 290,798, renewed Jan. 19, 1952. O. G. Jan. 15.

Jugs, Insulated, and vacuum bottles. Knapp-Monarch Company. 290,818, renewed Jan. 19, 1952. O. G. Jan. 15.

Jugs, Insulated, and vacuum bottles. Knapp-Monarch Company. 290,820, renewed Jan. 19, 1952. O. G. Jan. 15.

Tanks. Petroleum Rectifying Company of California. 289,613, renewed Dec. 1, 1951. O. G. Jan. 15.

CLASS 4

Grindstones, pumice stones; polishing powder, etc. M. E. Mayer. 282,642, renewed Apr. 28, 1951. O. G. Jan. 15.

Paints, combination automobile cleaner and polish, etc. The Pure Oil Company. 553,379, Jan. 15; Serial No. 568,277, published Oct. 23, 1951.

Polish for automobiles, furniture, floors, etc. Silicone Polish Corp. 553,515, Jan. 15; Serial No. 598,209, published Oct. 23, 1951.

Polish, Shoe. Midway Chemical Company. 288,225, renewed Oct. 20, 1951. O. G. Jan. 15.

CLASS 6

After shaving lotions, talcum powders, dentifrices, and tooth pastes. Ace Manufacturing Company. 312,496, May 1, 1934. Republished Jan. 15.

After shaving lotions, talcum powders, dentifrices, and tooth pastes. Ace Manufacturing Company. 326,003, July 9, 1935. Republished Jan. 15.

Agglomerates of carbon black and carbon of high purity. Godfrey L. Cabot, Inc. 553,660, Jan. 15; Serial No. 575,885.

Alkamine derivatives. Schering-Kahlbaum, A. G. 290,010, renewed Dec. 22, 1951. O. G. Jan. 15.

Antioxidants. The Goodyear Tire & Rubber Company. 553,590, Jan. 15; Serial No. 607,752, published Oct. 16, 1951.

Chemicals and chemical products. Polyphase Chemical Service, Inc. 553,482, Jan. 15; Serial No. 593,935, published Oct. 16, 1951.

Compositions of chlorination derivatives of fatty acid esters. Hooker Electrochemical Company. 553,615, Jan. 15; Serial No. 609,340, published Oct. 23, 1951.

Compound for preparing coolant solution. Bay State Abrasive Products Company. 553,586, Jan. 15; Serial No. 607,281, published Oct. 23, 1951.

Disinfectant, Grain. H. P. Rossiger & Co. Inc. 553,518, Jan. 15; Serial No. 599,192, published Oct. 16, 1951.

Dyestuffs. Sandoz Chemical Works, Inc. 387,388, May 13, 1941. Republished Jan. 15.

Insect repellents. S. Pfeiffer Manufacturing Company. 553,582, Jan. 15; Serial No. 606,677, published Oct. 16, 1951.

Insecticide. Thompson-Hayward Chemical Co. 553,616, Jan. 15; Serial No. 609,384, published Oct. 16, 1951.

Insecticide, Liquid. Midway Chemical Company. 288,658, renewed Nov. 3, 1951. O. G. Jan. 15.

Lauryl sulfate. American Alcolac Corporation. 553,565, Jan. 15; Serial No. 605,343, published Oct. 16, 1951.

Liquid spray air purifier. Mann Chemical Laboratories, Inc. 553,497, Jan. 15; Serial No. 596,286, published Oct. 16, 1951.

Methyl ester of tall oil. Hercules Powder Company. 553,434, Jan. 15; Serial No. 585,749, published Oct. 16, 1951.

Mildew-proofing compositions. Sun Chemical Corporation. 553,606, Jan. 15; Serial No. 608,770, published Oct. 16, 1951.

Pitch dispersants. American Cyanamid Company. 553,614, Jan. 15; Serial No. 609,271, published Oct. 23, 1951.

Preparation for weed control. O. M. Scott & Sons Company. 553,611, Jan. 15; Serial No. 609,203, published Oct. 23, 1951.

Preparation to prevent slipping in the bathtub. Sigma Products Corporation. 553,680, Jan. 15; Serial No. 605,445.

Soldering flux. Lake Chemical Company. 553,613, Jan. 15; Serial No. 609,245, published Oct. 23, 1951.

Solvent used in connection with cold solder. H. K. Porter, Inc. 553,512, Jan. 15; Serial No. 597,903, published Oct. 16, 1951.

Synthetic organic chemical. The Dow Chemical Company. 553,421, Jan. 15; Serial No. 584,483, published Mar. 27, 1951.

White arsenic. The American Metal Company, Limited. 128,602, Jan. 13, 1920. Republished Jan. 15.

Wood preservative. Panther Oil & Grease Mfg. Co. 553,678, Jan. 15; Serial No. 603,078.

CLASS 9

Gun sights. Firearms International Corporation. 553,661, Jan. 15; Serial No. 577,177.

Matches. Donelson and Poston. 251,262, Jan. 1, 1929. Republished Jan. 15.

Matches. Donelson and Poston. 251,283, Jan. 1, 1929. Republished Jan. 15.

CLASS 11

Compound for making a printed impression. F. A. Putnam. 84,189, re-renewed Nov. 14, 1951. O. G. Jan. 15.

CLASS 12

Asphalt emulsion. Walter K. P. Baumann & Co. 553,404, Jan. 15; Serial No. 580,457, published Sept. 25, 1951.

Nonbituminous compositions. C. J. Landen. 553,370, Jan. 15; Serial No. 564,881, published Aug. 1, 1950.

Plastic composition material. E. B. Sickle. 287,382, renewed Sept. 22, 1951. O. G. Jan. 15.

Thermoplastic expansion joint composition. Lamb Rubber Corporation. 444,643, Jan. 15; Serial No. 520,340, published May 16, 1950.

CLASS 13

Coffee makers. Kewaskum Utensil Company. 553,683, Jan. 15; Serial No. 613,850.
Hanger hook. Norco of Bridgeport, Inc. 553,681, Jan. 15; Serial No. 606,314.
Hydrants. Merrill Manufacturing Company. 553,677, Jan. 15; Serial No. 602,963.
Mechanical control. S. J. Terry. 553,663, Jan. 15; Serial No. 583,180.
Pans fitting over the burners of ranges. Newark Fireproof Sash & Door Co. 553,666, Jan. 15; Serial No. 591,247.

CLASS 14

Coated and uncoated welding rods. Victor Equipment Company. 553,486, Jan. 15; Serial No. 595,173, published Oct. 23, 1951.
Metal castings, Ferrous. Erie Malleable Iron Company. 290,515, renewed Jan. 5, 1952. O. G. Jan. 15.
Sheet metal, Perforated. E. C. Bowers and C. L. Feldman. 288,897, renewed Nov. 10, 1951. O. G. Jan. 15.

CLASS 16

Liquid iron compound. Smooth-On Manufacturing Company. 85,191, re-renewed Jan. 30, 1952. O. G. Jan. 15.
Styrene base resin solution for use in paints. Reichhold Chemicals, Inc. 553,400, Jan. 15; Serial No. 578,826, published Oct. 16, 1951.
Varnish. Stewart Paint Manufacturing Company. 553,396, Jan. 15; Serial No. 575,726, published Oct. 23, 1951.

CLASS 17

Cigars. Donelson and Poston. 251,538, Jan. 8, 1929. Republished Jan. 15.

CLASS 18

After shaving lotions, talcum powders, dentifrices, and tooth pastes. Ace Manufacturing Company. 312,496, May 1, 1934. Republished Jan. 15.
After shaving lotions, talcum powders, dentifrices, and tooth pastes. Ace Manufacturing Company. 326,003, July 9, 1935. Republished Jan. 15.
Analgesics, anaesthetics, anodynes, etc. Schering & Glatz, Inc. 287,481, renewed Sept. 29, 1951. O. G. Jan. 15.
Antibiotic preparation. Chas. Pfizer & Co., Inc. 553,608, Jan. 15; Serial No. 608,893, published Sept. 11, 1951.
Laxative preparations, Liquid. Miller Wholesale Drug Company. 288,431, renewed Oct. 27, 1951. O. G. Jan. 15.
Liniment. Ex-Lax Manufacturing Co. 82,427, re-renewed June 27, 1951. O. G. Jan. 15.
Medicinal "iodine preparation. Henry K. Wampole & Company, Incorporated. 553,478, Jan. 15; Serial No. 593,033, published Sept. 18, 1951.
Medicinal preparation. The Anacin Company. 290,215, renewed Dec. 22, 1951. O. G. Jan. 15.
Medicinal preparation. Lorate Company, Inc. 289,532, renewed Dec. 1, 1951. O. G. Jan. 15.
Medicinal preparation. E. J. Mally. 290,929, renewed Jan. 19, 1952. O. G. Jan. 15.
Medicinal preparations. The Styron-Beggs Company. 553,595, Jan. 15; Serial No. 607,970, published Sept. 11, 1951.
Natural and synthetic essential oils, aromatic chemicals. Firmenich & Co. 553,550, Jan. 15; Serial No. 604,556, published Oct. 23, 1951.
Penicillin products. Schenley Laboratories, Inc. 553,373–4, Jan. 15; Serial Nos. 467,046–7, published Feb. 14, 1950.

CLASS 19

Carriages, Baby. F. A. Whitney Carriage Company. 341,360, Dec. 8, 1936. Republished Jan. 15.
Truck bodies and structural parts thereof. Boyertown Auto Body Works, Inc. 553,307, Jan. 15; Serial No. 515,974, published Feb. 28, 1950.
Vehicle radiators, radiator cores, and automobile heaters. Auto Radiator Manufacturing Company. 290,811, renewed Jan. 19, 1952. O. G. Jan. 15.

CLASS 21

Batteries, Electric. National Battery Company. 289,444, renewed Nov. 24, 1951. O. G. Jan. 15.
Cable, Electrical. The American Steel and Wire Company of New Jersey. 553,468–71, Jan. 15; Serial No. 591,542–5, published Oct. 16, 1951.
Condensers, Electrical. Cornell-Dubilier Electric Corporation. 553,636, Jan. 15; Serial No. 611,687, published Oct. 9, 1951.
Dynamos, current generators, electric bicycle and motorcycle head and rear lamps, etc. Officine Elettromeccaniche Puglioli & Co. 553,436, Jan. 15; Serial No 586,104, published Oct. 9, 1951.
Electric horns. Jubilee Manufacturing Company. 553,676, Jan. 15; Serial No. 602,845.
Electrical and electronic apparatus. International Business Machines Corporation. 553,406, Jan. 15; Serial No. 581,067, published Dec. 26, 1950.
Electrical boxes. All-Steel Equipment Inc. 553,359, Jan. 15; Serial No. 554,193, published Oct. 9, 1951.
Electrical goods and apparatus. Edwards and Company, Inc. 278,382, renewed Dec. 16, 1950. O. G. Jan. 15.
Electrically driven sharpener. L. A. Hoek. 553,541, Jan. 15; Serial No. 603,406, published Oct. 9, 1951.
Fans, Electrical. W. W. Grainger, Inc. 553,605, Jan. 15; Serial No. 608,757, published Oct. 16, 1951.
Fuses, Renewable. Metropolitan Electric Mfg. Co. 553,425, Jan. 15; Serial No. 584,584, published Sept. 12, 1950.
Lamps and shades and parts thereof, Electric. E. Rosenthal. 553,671, Jan. 15; Serial No. 600,192.
Loud speakers, Portable. Drive-In Theatre Mfg. Co. 553,685, Jan. 15; Serial No. 594,897.
Motors, Electric, portable and fixed electrically driven industrial mixers, etc. Alsop Engineering Corporation. 553,398, Jan. 15; Serial No. 576,787, published Oct. 9, 1951.
Radio and television antenna. C. R. Myre. 553,480, Jan. 15; Serial No. 593,606, published Oct. 23, 1951.
Radio tubes, Electron. Hygrade Lamp Company. 288,095, renewed Oct. 20, 1951. O. G. Jan. 15.
Specimens for electrical connectors. Aircraft-Marine Products, Inc. 553,662, Jan. 15; Serial No. 579,961.
Spot lights and parts therefor, Electrically powered incandescent. Kliegl Bros. Universal Electric Stage Lighting Co., Inc. 553,596, Jan. 15; Serial No. 608,008, published Oct. 16, 1951.
Telephone switchboards. Kellogg Switchboard and Supply Company. 553,387, Jan. 15; Serial No. 571,085, published Feb. 6, 1951.

CLASS 22

Playing cards. The United States Playing Card Company. 553,638, Jan. 15; Serial No. 616,349, published Oct. 23, 1951.
Receptacles used in carrying grasshoppers to be used as live bait. A. D. Friedman. 553,672, Jan. 15; Serial No. 600,771.

CLASS 23

Agricultural machine. J. Blue Company. 533,612, Jan. 15; Serial No. 609,225, published Oct. 16, 1951.
Agricultural machines and implements. "Bernard-Moteurs" S. A. 553,465, Jan. 15; Serial No. 591,141, published Oct. 9, 1951.
Automatic power transmission mechanisms. Borg-Warner Corporation. 553,491, Jan. 15; Serial No. 595,590, published Oct. 16, 1951.
Can openers. Vaughan Mfg. Co. 553,371, Jan. 15; Serial No. 566,370, published Oct. 16, 1951.
Clutch, One-way rotary. The Gear Grinding Machine Company. 444,642, Jan. 15; Serial No. 510,384, published Oct. 9, 1951.
Drain pipe cleaners. Roto-Rooter Corporation. 387,226, May 6, 1941. Republished Jan. 15.
Engines, Traction, Internal-combustion engines, and structural parts thereof. Societe Anonyme André Citroën. 553,381, Jan. 15; Serial No. 569,017, published Oct. 2, 1951.
Envelope-making and gumming machinery. Manfredonia Machine Company. 553,364, Jan. 15; Serial No. 560,633, published Oct. 2, 1951.
Files. American Swiss File & Tool Co. 553,479, Jan. 15; Serial No. 593,254, published Oct. 9, 1951.
Knives, Pocket. H. Boker & Company, Inc. 553,559, Jan. 15; Serial No. 605,140, published Oct. 9, 1951.
Lawn mowers. Cooper Manufacturing Company. 553,303, Jan. 15; Serial No. 534,878, published Oct. 9, 1951.
Lawnmowers. Dille & McGuire Mfg. Co. 147,985–91, Nov. 8, 1921. Republished Jan. 15.
Lawnmowers. Dille & McGuire Mfg. Co. 150,789, Jan. 10, 1922. Republished Jan. 15.
Lawnmowers. Dille & McGuire Mfg. Co. 154,268, Apr. 11, 1922. Republished Jan. 15.
Lawnmowers. Dille & McGuire Mfg. Co. 373,680, Dec. 19, 1939. Republished Jan. 15.
Lawnmowers. Dille & McGuire Mfg. Co. 387,713, May 27, 1941. Republished Jan. 15.
Lubricator units. Stewart-Warner Corporation. 553,628, Jan. 15; Serial No. 609,745, published Oct. 2, 1951.
Milling and boring machines, etc. Societe Nouvelle de Construction de Machines Outils et d'Outillages. 553,444, Jan. 15; Serial No. 586,885, published Oct. 16, 1951.
Motors. "Bernard-Moteurs" S. A. 553,466, Jan. 15; Serial No. 591,142, published Oct. 9, 1951.
Mulling machines. National Engineering Company. 553,535, Jan. 15; Serial No. 602,416, published Oct. 9, 1951.
Nippers, pliers, staple-pullers, etc. Utica Drop Forge & Tool Company. 83,793, re-renewed Oct. 10, 1951. O. G. Jan. 15.
Outboard motors. National Pressure Cooker Company. 553,354, Jan. 15; Serial No. 552,795, published Oct. 16, 1951.
Plows, Rotary. H. J. Seaman. 444,641, Jan. 15; Serial No. 503,999, published Sept. 25, 1951.
Presses, Hand operated. Penn-Standard Sole Cementing Process, Inc. 553,391, Jan. 15; Serial No. 573,676, published Oct. 16, 1951.
Presses, Power driven. The V. D. Anderson Company. 553,455, Jan. 15; Serial No. 589,496, published Sept. 25, 1951.
Pumps, Water, lathes, presses, etc. Lempco Products, Inc. 553,505–06, Jan. 15; Serial Nos. 597,004–05, published Oct. 16, 1951.
Razor blades and safety razors. Probak Corporation. 289,012, renewed Nov. 17, 1951. O. G. Jan. 15.

Razors. H. Boker & Company, Inc. 553,560, Jan. 15; Serial No. 605,141, published Oct. 9, 1951.
Sewer and drain cleaning machines. Roto-Rooter Corporation. 344,958, Apr. 13, 1937. Republished Jan. 15.
Sewing machines, Portable. Altheimer & Baer, Inc. 553,665, Jan. 15; Serial No. 588,729.
Staple extractors. Speed Products Company, Inc. 553,393, Jan. 15; Serial No. 573,800, published Oct. 2, 1951.
Tool, Strip folding. R. C. Griswold. 553,376, Jan. 15; Serial No. 567,195, published Oct. 2, 1951.
Tools. Mueller Brass Co. 289,612, renewed Dec. 1, 1951. O. G. Jan. 15.
Tools and similar devices. Hubbard and Company. 553,409, Jan. 15; Serial No. 581,480, published Sept. 25, 1951.
Tools, Pen. The Spencerian Pen Company. 292,085, renewed Mar. 1, 1952. O. G. Jan. 15.
Trucks, Electric. Crescent Truck Company. 553,337, Jan. 15; Serial No. 544,328, published Oct. 23, 1951.
Tube and flue cutters, tube and flue expanders, tube and flue beading, etc. Gustav Wiedeke Co. 289,259, renewed Nov. 24, 1951. O. G. Jan. 15.
Vending machines. Vend-Rite Manufacturing Company. 553,461, Jan. 15; Serial No. 590,199, published Oct. 9, 1951.

CLASS 24

Washing machines. Fisher & Ludlow Limited. 553,531, Jan. 15; Serial No. 601,541, published Oct. 23, 1951.

CLASS 26

Binoculars, object glasses, eye-pieces, etc. Anciens Etablissements Barbier-Bénard & Turenne. 553,401, Jan. 15; Serial No. 578,949, published Oct. 16, 1951.
Calculating machines, multiplying machines, etc. International Business Machines Corporation. 553,406; Jan. 15; Serial No. 581,068, published Aug. 21, 1951. (Consolidated certificate classes 21, 26 and 27.)
Eye-glass frames. Guild of Prescription Opticians of Philadelphia. 553,654, Jan. 15; Serial No. 612,802, published Oct. 16, 1951.
Sensitized photographic paper. Peerless Photo Products, Inc. 553,382, Jan. 15; Serial No. 569,393, published Oct. 16, 1951.
Spectacle frames and parts thereof. K. Stenzel & Sons. 553,637, Jan. 15; Serial No. 612,875, published Oct. 16, 1951.
X-ray film holders. M. Vlock. 553,564, Jan. 15; Serial No. 605,245, published Oct. 16, 1951.

CLASS 27

Clocks; clock systems, athletic timers, etc. International Business Machines Corporation. 553,406, Jan. 15; Serial No. 581,069, published Jan. 16, 1951. (Consolidated certificate Classes 21, 26 and 27.)
Clocks, Electric. Galter Products Company. 553,464, Jan. 15; Serial No. 591,080, published Oct. 9, 1951.
Clocks, Electric. Jefferson Electric Company. 553,475, Jan. 15; Serial No. 592,636, published Oct. 9, 1951.
Mainsprings for watches. Elgin National Watch Company. 82,140, June 6, 1911. Republished Jan. 15.
Watches. Waldron and Company, Inc. 553,408, Jan. 15; Serial No. 581,106, published Oct. 9, 1951.

CLASS 28

Bracelets. Speidel Corporation. 553,600, Jan. 15; Serial No. 608,328, published Sept. 11, 1951.
Flatware. International Silver Company. 290,130, renewed Dec. 22, 1951. O. G. Jan. 15.
Jewelry, Concord Manufacturing Corporation. 553,673, Jan. 15; Serial No. 601,096.
Jewelry. E. F. M. Speidel. 290,422, Jan. 5, 1932. Republished Jan. 15.
Jewelry. Uncas Manufacturing Company. 553,679, Jan. 15; Serial No. 604,043.
Jewelry. Waldron and Company, Inc. 553,407, Jan. 15; Serial No. 581,105, published Oct. 9, 1951.
Pearls, Simulated, and simulated pearl jewelry. Imperial Pearl Syndicate, Inc. 553,483, Jan. 15; Serial No. 594,545, published Oct. 9, 1951.
Rings, Finger. M. Kronstadt. 280,119, renewed Feb. 10, 1951. O. G. Jan. 15.
Table ware, Sterling silver. The International Silver Company. 553,445, Jan. 15; Serial No. 587,334, published Oct. 9, 1951.
Tie holder. Swank, Inc. 553,522, Jan. 15; Serial No. 599,600, published Oct. 16, 1951.
Wrist-bands for wrist watches. Swiss Watch Dial Co., Inc. 553,428, Jan. 15; Serial No. 585,196, published Sept. 25, 1951.
Wrist-bands for wrist watches. Swiss Watch Dial Co., Inc. 553,563, Jan. 15; Serial No. 605,242, published Sept. 25, 1951.

CLASS 29

Powder puffs. Columbia Products Corporation. 553,686, Jan. 15; Serial No. 598,160.

CLASS 31

Refrigerators. King Refrigerator Corporation. 553,674–5, Jan. 15; Serial Nos. 601,736–7.
Water softening apparatus, Zeolite type. Reynolds-Shaffer Co. 553,658, Jan. 15; Serial No. 553,979.

CLASS 32

Tubing for bedsteads, cabinets, stands, etc., Reinforcing. Harris-Hub Bed & Spring Co. 385,406, Feb. 25, 1941. Republished Jan. 15.

CLASS 33

Glass, Flat. Blue Ridge Glass Corporation. 553,304, Jan. 15; Serial No. 534,987, published Oct. 9, 1951.
Glass stemware and tumblers, All shapes and types of. Bryce Brothers Company. 553,368, Jan. 15; Serial No. 564,605, published Oct. 9, 1951.

CLASS 34

Stoves, Liquid fuel, ovens for liquid fuel stoves, oil burners, etc. Perfection Stove Company. 289,291, renewed Nov. 24, 1951. O. G. Jan. 15.

CLASS 35

Rubber and fabric composition belt. The Atwood Machine Company. 284,260, June 23, 1931. Republished Jan. 15.

CLASS 36

Accordions. Joe Lowe Corporation. 553,403, Jan. 15; Serial No. 580,078, published Sept. 26, 1950.

CLASS 37

Blotters, Hand and desk, desk pads, desk calendars, etc. Eaton Paper Corporation. 553,474, Jan. 15; Serial No. 592,262, published Oct. 9, 1951.
Book covers. Saver Company. 553,417, Jan. 15; Serial No. 583,554, published Oct. 16, 1951.
Bristol board and sketching pads. B. K. Elliott Company. 553,467, Jan. 15; Serial No. 591,468, published Aug. 28, 1951.
Charting and tracing clip boards and partially printed paper tracing charts. The Production and Marketing Corporation. 553,542, Jan. 15; Serial No. 603,205, published Sept. 11, 1951.
Check covers, Pocket, commercial pass books, savings pass books, etc. The Todd Company, Inc. 553,576, Jan. 15; Serial No. 606,343, published Oct. 2, 1951.
Corrugated paper board. Shelton Manufacturing Co., Inc. 553,416, Jan. 15; Serial No. 583,448, published Oct. 16, 1951.
Corrugating board. Sonoco Products Company. 553,394, Jan. 15; Serial No. 574,793, published Sept. 4, 1951.
Crayons, Chalkboard colored. The American Crayon Company. 553,502, Jan. 15; Serial No. 596,702, published Oct. 2, 1951.
Desk pads, typewriter pads, phone book covers, etc. The Chicago Desk Pad Company, Inc. 553,537, Jan. 15; Serial No. 602,673, published Sept. 25, 1951.
Desk sets. Eversharp, Inc. 553,577, Jan. 15; Serial No. 606,461, published Oct. 2, 1951.
Envelope, label, and gummed tape moisteners. Better Packages, Incorporated. 553,473, Jan. 15; Serial No. 592,246, published Sept. 11, 1951.
Envelopes, Mailing. Tension Envelope Corporation. 553,309, Jan. 15; Serial No. 519,908, published Oct. 2, 1951.
Envelopes, Mailing, and paper. The American Envelope Co. 553,410, Jan. 15; Serial No. 581,576, published Aug. 28, 1951.
File guides, card-index guides, etc. Yawman and Erbe Mfg. Co. 553,501, Jan. 15; Serial No. 596,464, published Oct. 16, 1951.
Foil and paper, Laminated metallic. Reynolds Metals Company. 553,509, Jan. 15; Serial No. 597,294, published Sept. 11, 1951.
Food wrappers. Continental Paper & Bag Corporation. 291,246, renewed Feb. 2, 1952. O. G. Jan. 15.
Loose-leaf and permanent binders. Wire-O Corporation. 553,442, Jan. 15; Serial No. 586,826, published Oct. 9, 1951.
Manifold forms, manifold booklets, invoice or bill forms, etc. The Potter Press. 553,526, Jan. 15; Serial No. 601,168, published Sept. 11, 1951.
Paper and stationery, Printed, engraved, and blank correspondence. Milprint, Inc. 553,392, Jan. 15; Serial No. 573,729, published Sept. 11, 1951.
Paper bath mats. W. L. Taylor. 553,498, Jan. 15; Serial No. 596,302, published Oct. 9, 1951.
Paper board. Cornell Wood Products Company. 553,457, Jan. 15; Serial No. 589,841, published Sept. 11, 1951.
Paper, Bond. The Alling & Cory Company. 553,594, Jan. 15; Serial No. 607,917, published Oct. 2, 1951.
Paper, Bond. The McBee Company. 553,335, Jan. 15; Serial No. 543,624, published Oct. 23, 1951.
Paper, Bond. The McBee Company. 553,336, Jan. 15; Serial No. 543,626, published Oct. 23, 1951.
Paper box files, rubber stamps, etc. The Chad Valley Company Limited. 285,601, renewed July 28, 1951. O. G. Jan. 15.
Paper, Bristol board. Blake, Moffitt & Towne. 553,365, Jan. 15; Serial No. 562,528, published Oct. 9, 1951.
Paper, Envelope. The Champion Paper and Fibre Company. 553,317, Jan. 15; Serial No. 527,303, published Oct. 2, 1951.
Paper in sheet form, Gummed. Dennison Manufacturing Company. 553,356, Jan. 15; Serial No. 553,475, published Nov. 14, 1950.

Paper, Kraft. Southern Kraft Corporation. 290,797, renewed Jan. 19, 1952. O. G. Jan. 15.
Paper napkins. The Lehon Company. 553,631, Jan. 15; Serial No. 610,219, published Oct. 9, 1951.
Paper napkins, Embossed folded. Hoffmaster Paper Company, Inc. 553,610, Jan. 15; Serial No. 608,934, published Sept. 25, 1951.
Paper napkins, paper towels, and toilet tissue. Crown Zellerbach Corporation. 553,333, Jan. 15; Serial No. 542,006, published Oct. 9, 1951.
Paper, Non-sensitized. Radiant Color Company. 553,397, Jan. 15; Serial No. 576,137, published Sept. 4, 1951.
Paper, Printing. Tileston and Hollingsworth Company. 553,618, Jan. 15; Serial No. 609,506, published Oct. 2, 1951.
Paper, Printing. Tileston and Hollingsworth Company. 553,619–20, Jan. 15; Serial Nos. 609,508–9, published Oct. 2, 1951.
Paper, Printing. Tileston and Hollingsworth Company. 553,621, Jan. 15; Serial No. 609,510, published Sept. 25, 1951.
Paper, Printing. Tileston and Hollingsworth Company. 553,622, Jan. 15; Serial No. 609,511, published Oct. 2, 1951.
Paper, Printing and writing. Tileston and Hollingsworth Company. 553,623, Jan. 15; Serial No. 609,512, published Sept. 25, 1951.
Paper, Printing and writing. Tileston and Hollingsworth Company. 553,624, Jan. 15; Serial No. 609,514, published Oct. 2, 1951.
Paper, Printing and writing. Tileston and Hollingsworth Company. 553,625, Jan. 15; Serial No. 609,515, published Sept. 25, 1951.
Paper, Printing and writing. Tileston and Hollingsworth Company. 553,626, Jan. 15; Serial No. 609,517, published Sept. 25, 1951.
Paper, Printing, mimeograph paper, and duplicator paper. W. C. Hamilton & Sons. 553,589, Jan. 15; Serial No. 607,672, published Sept. 4, 1951.
Paper, Rag content writing, and letterheads. Lee Paper Company. 553,306, Jan. 15; Serial No. 515,119, published Sept. 11, 1951.
Paper rolls and sheets, Waxed. United Paper Company. 553,351, Jan. 15; Serial No. 549,993, published Sept. 11, 1951.
Paper, Safety. Gurney Security Paper Company, Inc. 553,390, Jan. 15; Serial No. 572,655, published Sept. 4, 1951.
Paper table cloths and napkins. W. Boyd. 553,574, Jan. 15; Serial No. 606,132, published Oct. 2, 1951.
Paper tablets. Western Tablet & Stationery Corporation. 553,314, Jan. 15; Serial No. 526,145, published Oct. 23, 1951.
Paper tablets and loose paper. Western Tablet & Stationery Corporation. 553,315, Jan. 15; Serial No. 526,156, published Oct. 2, 1951.
Paper tablets, papeteries. Western Tablet & Stationery Corporation. 444,646, Jan. 15; Serial No. 526,125, published Sept. 4, 1951.
Paper, Toilet. Scott Paper Company. 553,530, Jan. 15; Serial No. 601,515, published Sept. 4, 1951.
Paper, Wall. Gamble-Skogmo, Inc. 553,540, Jan. 15; Serial No. 603,057, published Oct. 9, 1951.
Paper, Wax. Waxide Paper Company. 553,414, Jan. 15; Serial No. 582,757, published Aug. 27, 1951.
Paper, Wood grain cover, box cover paper, blotting paper, etc. District of Columbia Paper Mills, Inc. 553,593, Jan. 15; Serial No. 607,846, published Sept. 4, 1951.
Paper, Wrapping. Orchard Paper Co. 553,556–7, Jan. 15; Serial Nos. 605,046–7, published Oct. 2, 1951.
Paper, Wrapping. Stocker Manufacturing Company. 553,384, Jan. 15; Serial No. 569,902, published Oct. 9, 1951.
Paper, Wrapping, and butcher's paper. Gulf States Paper Corporation. 553,543, Jan. 15; Serial No. 603,237, published Sept. 11, 1951.
Paper, Wrapping, and butcher's paper. Gulf States Paper Corporation. 553,609, Jan. 15; Serial No. 608,931, published Sept. 25, 1951.
Paper, Writing. L. L. Brown Paper Company. 553,529, Jan. 15; Serial No. 604,302, published Sept. 11, 1951.
Paper, Writing and typing. Whiting-Plover Paper Company. 553,598, Jan. 15; Serial No. 608,136, published Sept. 4, 1951.
Paper, Writing, index bristol, and book papers. West Virginia Pulp and Paper Company. 553,363, Jan. 15; Serial No. 559,393, published Oct. 9, 1951.
Paper, Writing, typewriter, and printing. Valley Paper Company. 553,318, Jan. 15; Serial No. 527,989, published Apr. 27, 1948.
Papers, Drawing, bristol boards, detail drawing papers, etc. Keuffel & Esser Company. 444,644, Jan. 15; Serial No. 525,879, published Aug. 28, 1951.
Papeteries. Western Tablet & Stationery Corporation. 553,312, Jan. 15; Serial No. 526,070, published Sept. 4, 1951.
Papeteries. Western Tablet & Stationery Corporation. 553,313, Jan. 15; Serial No. 526,144, published Sept. 4, 1951.
Partially printed forms and envelopes. C. E. Sandvig. 553,551, Jan. 15; Serial No. 604,598, published Sept. 4, 1951.
Partially printed identification cards. R. A. Drake. 553,514, Jan. 15; Serial No. 598,068, published Oct. 23, 1951.
Pencils. C. J. Peed. 553,510, Jan. 15; Serial No. 597,456, published Oct. 2, 1951.
Pencils, Lead. American Lead Pencil Company. 553,549, Jan. 15; Serial No. 604,462, published Sept. 4, 1951.
Pencils, Lead. Telu Enterprises, Inc. 553,597, Jan. 15; Serial No. 608,092, published Sept. 4, 1951.
Pens and pencils. Klik Enterprises, Inc. 553,561–2, Jan. 15; Serial Nos. 605,162–3, published Oct. 9, 1951.
Printing-paper. West Virginia Pulp & Paper Company. 82,938, Aug. 1, 1911. Corrected. O. G. Jan. 15.
Printing-paper. West Virginia Pulp & Paper Company. 82,940, Aug. 1, 1911. Corrected. O. G. Jan. 15.
Products in sheet and in strip form converted from paper and from films analogous to paper. Nashua Gummed and Coated Paper Company. 553,328, Jan. 15; Serial No. 538,946, published Aug. 28, 1951.
Record forms, Partially printed. W. T. Maass. 553,578, Jan. 15; Serial No. 606,617, published Sept. 11, 1951.
Score cards, Partially printed foot-ball. C. E. Wolfe. 553,552, Jan. 15; Serial No. 604,756, published Sept. 4, 1951.
Sheet lining materials. Bestpak Inc. 553,587, Jan. 15; Serial No. 607,373, published Oct. 2, 1951.
Stationery, Library. Gaylord Bros., Inc. 553,355, Jan. 15; Serial No. 553,358, published Oct. 2, 1951.
Time books, Partially printed. Western Tablet & Stationery Corporation. 444,645, Jan. 15; Serial No. 526,095, published Sept. 18, 1951.
Tissue, Dusting. Straubel Paper Co. 553,369, Jan. 15; Serial No. 564,664, published Sept. 25, 1951.
Toilet tissue. Comfort Paper Corporation. 553,316, Jan. 15; Serial No. 527,236, published Oct. 2, 1951.
Toilet tissue, All kinds of. White-Washburne Company, Inc. 553,460, Jan. 15; Serial No. 590,118, published Oct. 9, 1951.
Wall coverings made of paper. S. A. Salubra. 286,880–1, renewed Sept. 8, 1951. O. G. Jan. 15.
Wallpaper. Asami Wallpapers, Inc. 553,627, Jan. 15; Serial No. 609,672, published Oct. 23, 1951.
Writing-paper, type-writing paper, wrapping paper, etc. Butler Paper Corporations. 553,332, Jan. 15; Serial No. 540,517, published Oct. 16, 1951.

CLASS 38

Periodicals. Shoe and Leather Reporter Co. 290,791, renewed Jan. 19, 1952. O. G. Jan. 15.

CLASS 39

Belts, Men's, ladies', and boys'. Regent Belt Co., Inc. 553,567, Jan. 15; Serial No. 605,678, published Oct. 23, 1951.
Boots and shoes. F. M. Hoyt Shoe Corporation. 291,742, renewed Feb. 23, 1952. O. G. Jan. 15.
Boots and shoes, Leather. F. M. Hoyt Shoe Company. 82,086, May 30, 1911. Republished Jan. 15.
Caps, Uniform. Worcester Cap Company. 401,521, May 25, 1943. Republished Jan. 15.
Coats, Men's top. Charles Baker & Company, Inc. 291,845, renewed Feb. 23, 1952. O. G. Jan. 15.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 290,747, renewed Jan. 12, 1952. O. G. Jan. 15.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 291,090, renewed Jan. 26, 1952. O. G. Jan. 15.
Dresses and suits, Ladies' and misses'. Korell Company. 553,377, Jan. 15; Serial No. 567,521, published Oct. 23, 1951.
Felt hats, uniform caps, and caps for general wear, Men's. Worcester Cap Company. 352,984, Dec. 21, 1937. Republished Jan. 15.
Garment, One-piece work. N & W Industries, Inc. 553,494, Jan. 15; Serial No. 596,043, published Oct. 9, 1951.
Garments, etc., Men's, boys', and children's outer. Cohen, Goldman & Co, Inc. 553,454, Jan. 15; Serial No. 589,430, published Oct. 23, 1951.
Garments, Sporting. Berkeley Sportwear Co., Inc. 553,358, Jan. 15; Serial No. 554,005, published Oct. 23, 1951.
Hosiery. Hahn Department Stores, Inc. 289,722, renewed Dec. 1, 1951. O. G. Jan. 15.
Hosiery. The Nolde and Horst Company. 288,903, renewed Nov. 10, 1951. O. G. Jan. 15.
Jackets, Men's and boys'. Lakeland Manufacturing Company. 553,504, Jan. 15; Serial No. 596,927, published Oct. 23, 1951.
Jeans, Ladies' and girls' blue. Washington Mfg. Company. 553,536, Jan. 15; Serial No. 602,655, published May 22, 1951.
Overalls, Children's, children's shirts, children's sun suits, etc. P. S. Rosenthal. 553,477, Jan. 15; Serial No. 593,016, published Oct. 23, 1951.
Panties and bloomers, Children's. Royal Crest Mfg. Co., Inc. 553,575, Jan. 15; Serial No. 606,328, published Oct. 23, 1951.
Shirts and trousers, Work and negligee. Birdsall Brothers Company. 85,062, re-renewed Jan. 30, 1952. O. G. Jan. 15.
Shirts, Men's. New Era Shirt Company. 553,339, Jan. 15; Serial No. 544,372, published Oct. 23, 1951.
Shoes. Hahn Department Stores, Inc. 288,673, renewed Nov. 3, 1951. O. G. Jan. 15.
Shoes. Hahn Department Stores, Inc. 288,682, renewed Nov. 3, 1951. O. G. Jan. 15.

Suits and sport coats, Men's and young men's. Sam Finkelstein & Company, Incorporated of Va. 553,411, Jan. 15; Serial No. 581,651, published July 4, 1950.
Suits, coats, overcoats, etc., Men's and boys'. Hart, Schaffner & Marx. 343,322, Feb. 16, 1937. Republished Jan. 15.
Suits, Men's. Merit Clothing Company. 553,489, Jan. 15; Serial No. 595,507, published Oct. 23, 1951.
Suits, topcoats, overcoats, stormcoats, etc., Men's. Carr, Dolan & Hahn, Inc. 553,380, Jan. 15; Serial No. 568,577, published Oct. 23, 1951.
Suits, top coats, sport coats, etc., Men's. Harry Rothman, Inc. 553,566, Jan. 15; Serial No. 605,495, published Oct. 9, 1951.
Trousers, slacks, outer shirts, etc., Men's, women's, boys', and girls'. Cluett, Peabody & Co. Inc. 553,493, Jan. 15; Serial No. 595,870, published Oct. 23, 1951.
Underwear, Children's. Art Infants Wear, Inc. 553,584, Jan. 15; Serial No. 606,997, published Oct. 9, 1951.

CLASS 42

Cloths. Wellington Sears Company. 290,269, renewed Dec. 29, 1951. O. G. Jan. 15.
Piece goods, Cotton and linen. Trippe, Barker & Co. 85,836, re-renewed Mar. 19, 1952. O. G. Jan. 15.
Piece goods, Cotton and woolen. Sayles Finishing Plants, Inc. 292,334, renewed Mar. 15, 1952. O. G. Jan. 15.
Sheets and pillow cases. Marshall Field & Company. 239,063, Feb. 21, 1928. Amended. O. G. Jan. 15.

CLASS 44

Dental casts and forms; models of teeth, gum, and jaw structures, etc. Columbia Dental & X-Ray Corp. 289,693, renewed Dec. 1, 1951. O. G. Jan. 15.
Hair dryers, Electric, electric heating pads, therapeutic lamps, etc. Knapp-Monarch Company. 290,881, renewed Jan. 19, 1952. O. G. Jan. 15.
Hearing aids and parts thereof, Electrical. Zenith Radio Corporation. 553,555, Jan. 15; Serial No. 605,002, published Oct. 9, 1951.
Heating pads, Electric, electrically operated hair dryers, therapeutic lamps, etc. Knapp-Monarch Company. 290,882, renewed Jan. 19, 1952. O. G. Jan. 15.
Hygienic vaginal tampons, Sanitary. Products Corporation. 553,604, Jan. 15; Serial No. 608,677, published Oct. 23, 1951.
Prophylactic rubber articles. L. E. Shunk Latex Products, Inc. 286,042, renewed Aug. 11, 1951. O. G. Jan. 15.
Surgeons' gloves. The Seamless Rubber Company. 553,545, Jan. 15; Serial No. 603,549, published Oct. 23, 1951.

CLASS 45

Beverage, Non-alcoholic, maltless. Tru-Ade, Inc. 553,569, Jan. 15; Serial No. 605,816, published Sept. 11, 1951.
Beverages, Maltless non-alcoholic. Mission Dry Corporation. 553,378, Jan. 15; Serial No. 567,995, published Oct. 16, 1951.
Grape juice. The Welch Grape Juice Company. 553,591, Jan. 15; Serial No. 607,783, published Sept. 4, 1951.
Grape juice, apple cider, and soda fountain syrups, etc. Francis H. Leggett & Company. 553,579, Jan. 15; Serial No. 606,668, published Sept. 25, 1951.
Mineral water. W. M. Carroll. 553,472, Jan. 15; Serial No. 592,192, published Oct. 16, 1951.
Root beer and its concentrate. Pre-Carb Root Beer Co. of America. 553,388, Jan. 15; Serial No. 572,202, published Oct. 9, 1951.
Root beer and syrups. A. Wolf's Sons, Inc. 553,524, Jan. 15; Serial No. 600,638, published Sept. 4, 1951.
Soft drink. Non-alcoholic maltless chocolate. Threemor Sales Co. 553,484, Jan. 15; Serial No. 595,017, published Aug. 28, 1951.
Soft drinks, Maltless, and carbonated waters. V & M Beverage Company. 553,447, Jan. 15; Serial No. 587,512, published Sept. 18, 1951.
Soft drinks, etc., Non-alcoholic, maltless. Citrus Products Company. 553,450, Jan. 15; Serial No. 588,479, published Sept. 18, 1951.
Soft drinks, Non-alcoholic maltless. N. V. Vereenigde Limonadefabrieken. 553,405, Jan. 15; Serial No. 580,737, published Oct. 16, 1951.
Soft drinks, Non-alcoholic, maltless, Orange-Crush Company. 553,523, Jan. 15; Serial No. 599,967, published Sept. 11, 1951.
Table water. Great Bear Spring Company. 553,527, Jan. 15; Serial No. 601,210, published Sept. 4, 1951.
Table water. Great Bear Spring Company. 553,528, Jan. 15; Serial No. 601,212, published Sept. 4, 1951.

CLASS 46

Apples, Fresh. Fine Foods, Inc. 553,347, Jan. 15; Serial No. 547,985, published Aug. 14, 1951.
Apples, Fresh. Peshastin Fruit Growers Association. 553,568, Jan. 15; Serial No. 605,760, published Aug. 14, 1951.
Bakery products. Geo. F. Stuhmer & Company. 553,488, Jan. 15; Serial No. 595,289, published Sept. 4, 1951.
Baking powder. L. R. Donelson, Jr. 227,729, May 17, 1927. Republished Jan. 15, 1952.
Beef, Finely chopped. S. Brown. 553,446, Jan. 15; Serial No. 587,423, published Oct. 30, 1951.
Bread. Grocers Baking Company, Inc. 553,308, Jan. 15; Serial No. 519,191, published Oct. 23, 1951.
Bread and biscuits. The Ryvita Company, Ltd. 281,844, renewed Mar. 31, 1951. O. G. Jan. 15.
Butter and cheese. The Weinberg Butter & Egg Co. Inc. 291,877, renewed Feb. 23, 1952. O. G. Jan. 15.
Butter and luncheon meat. Hygrade Food Products Corporation. 553,343, Jan. 15; Serial No. 546,305, published Oct. 16, 1951.
Butter, Creamery. Land O'Lakes Creameries, Inc. 287,975, renewed Oct. 20, 1951. O. G. Jan. 15.
Butter, fresh eggs, cheese and dressed poultry. Armour and Company. 553,323, Jan. 15; Serial No. 532,195, published Nov. 8, 1949.
Candies. Garrott Candy Company. 553,429, Jan. 15; Serial No. 585,319, published Oct. 23, 1951.
Candies and ice cream. Dutch Mill Candy Co. 553,305, Jan. 15; Serial No. 508,148, published Oct. 23, 1951.
Candy. E. J. Brach & Sons. 553,346, Jan. 15; Serial No. 547,890, published Sept. 11, 1951.
Candy. Hollywood Brands, Inc. 553,443, Jan. 15; Serial No. 586,857, published Sept. 18, 1951.
Candy. Mars, Incorporated. 553,503, Jan. 15; Serial No. 596,740, published Oct. 30, 1951.
Candy. Marshall Field & Company. 553,452, Jan. 15; Serial No. 589,100, published Sept. 18, 1951.
Candy. Meadowbrook Candy Company. 553,331, Jan. 15; Serial No. 540,301, published Nov. 7, 1950.
Candy. Peoples Drug Stores, Inc. 553,592, Jan. 15; Serial No. 607,826, published Oct. 9, 1951.
Candy, fresh deciduous fruits; dried and canned fruits, etc. B. Altman & Co. 553,385, Jan. 15; Serial No. 570,183, published Oct. 23, 1951.
Canned and dry packed dates. M. Skolnick. 553,539, Jan. 15; Serial No. 603,027, published Sept. 11, 1951.
Canned citrus fruit juices. Polk Packing Association. 553,655, Jan. 15; Serial No. 520,120.
Canned edible olive oil. B. Di Carlo. 553,360, Jan. 15; Serial No. 554,653, published Sept. 11, 1951.
Canned fish. Columbia River Packers Association, Inc. 553,607, Jan. 15; Serial No. 608,786, published Oct. 9, 1951.
Canned food products. Bilt-More Food Products Company, Inc. 553,412, Jan. 15; Serial No. 581,758, published Aug. 28, 1951.
Canned fruits and vegetables. Walla Walla Canning Company. 553,320, Jan. 15; Serial No. 530,603, published Aug. 28, 1951.
Canned fruits and vegetables, etc. J. J. Bartee. 553,413, Jan. 15; Serial No. 582,464, published Aug. 28, 1951.
Canned fruits, canned vegetables, canned fish, etc. The East Asiatic Company, Inc. 553,458, Jan. 15; Serial No. 589,844, published Sept. 11, 1951.
Canned luncheon meat. Derby Foods, Inc. 553,630, Jan. 15; Serial No. 609,967, published Oct. 23, 1951.
Canned peaches. Santa Clara Packing Company. 553,657, Jan. 15; Serial No. 542,788.
Canned peas. General Grocer Company. 553,326, Jan. 15; Serial No. 538,267, published Apr. 26, 1949.
Canned peas. General Grocer Company. 553,327, Jan. 15; Serial No. 538,269, published Apr. 26, 1949.
Canned powdered whole milk. Peerless Packers, Inc. 553,495, Jan. 15; Serial No. 596,183, published Aug. 14, 1951.
Canned salmon and packaged smoked salmon. Port Chatham Packing Co. Inc. 553,634, Jan. 15; Serial No. 611,239, published Oct. 30, 1951.
Canned shrimp. Atalanta Trading Corporation. 553,629, Jan. 15; Serial No. 609,954, published Oct. 9, 1951.
Canned shrimp and canned oysters. Dorgan Packing Corp. 553,481, Jan. 15; Serial No. 593,788, published Sept. 4, 1951.
Canned soups and soup bases, vegetable seasoning and seasoning compounds, etc. Fearn Laboratories, Inc. 553,321, Jan. 15; Serial No. 531,203, published Sept. 11, 1951.
Canned tomatoes. Fair View Packing Company, Inc. 553,635, Jan. 15; Serial No. 611,568, published Oct. 30, 1951.
Canned tomatoes. Fernando Canning Company, Inc. 553,383, Jan. 15; Serial No. 569,443, published Sept. 11, 1951.
Canned tuna. Safeway Stores, Incorporated. 553,633, Jan. 15; Serial No. 610,587, published Oct. 16, 1951.
Canned vegetables and canned fish. Seeman Brothers, Inc. 553,325, Jan. 15; Serial No. 536,297, published Aug. 28, 1951.
Canned vegetables, tomato sauce, tomato puree, lima beans, etc. Masterpiece Foods, Inc. 553,588, Jan. 15; Serial No. 607,436, published Sept. 18, 1951.
Cereals, animal and poultry feed. Albers Milling Company. 553,367, Jan. 15; Serial No. 562,896, published Oct. 9, 1951.
Cheese. B & B Importers. 553,601, Jan. 15; Serial No. 608,403, published Sept. 18, 1951.
Cheese. Eru-Kaasfabriek N. V. 553,547, Jan. 15; Serial No. 604,148, published Oct. 23, 1951.
Cheese. August C. Kirchhoff & Co. 553,585, Jan. 15; Serial No. 607,130, published Sept. 11, 1951.
Cheese. Veego Foods, Inc. 553,516, Jan. 15; Serial No. 598,767, published Sept. 25, 1951.

Cheese. Verband Nordostschweiz. Käserei- und Milchgenossenschaften, Inhaber der "Weichkäserei Uster." 553,437, Jan. 15; Serial No. 586,210, published Oct. 16, 1951.
Cheese-filled waffle wafer sandwiches. Blaney Bakeries Inc. 553,532, Jan. 15; Serial No. 601,594, published Sept. 4, 1951.
Chewing gum. Gumakers of America, Inc. 553,659, Jan. 15; Serial No. 567,968.
Chicken, Fried. T. H. Thomas. 553,664, Jan. 15; Serial No. 586,329.
Chocolate coatings. Eskimo Pie Corporation. 553,424, Jan. 15; Serial No. 584,532, published Oct. 9, 1951.
Chocolate marshmallows. A. Schwartz. 553,682, Jan. 15; Serial No. 607,401.
Coffee. William S. Scull Company. 553,357, Jan. 15; Serial No. 553,989, published Aug. 14, 1951.
Coffee, olive oil, cocoa, etc. J. R. Silva. 285,340, July 28, 1931. Republished Jan. 15.
Condimental sauce and salad dressing. Price Flavoring Extract Company. 284,298, renewed June 23, 1951. O. G. Jan. 15.
Cottonseed oil, corn oil, and peanut oil. J. Ossola Co., Inc. 553,344, Jan. 15; Serial No. 546,601, published Oct. 16, 1951.
Cucumber pickles. J. J. Grelow & Sons, Incorporated. 553,310, Jan. 15; Serial No. 523,380, published Sept. 18, 1951.
Dairy products, Fresh. G. P. Gundlach & Co., Inc. 553,667, Jan. 15; Serial No. 593,538.
Doughnut mix. Choice Foods, Inc. 553,485, Jan. 15; Serial No. 595,121, published Oct. 23, 1951.
Edible fats. Golden Block Limited. 553,668, Jan. 15; Serial No. 598,583.
Eggs, Fresh, butter, and cheese. Western Dairy Products, Inc. 553,656, Jan. 15; Serial No. 536,857.
Extracts for flavoring food, food gelatins, etc. Fletcher-Eichman & Company, Inc. 553,330, Jan. 15; Serial No. 540,183, published Oct. 30, 1951.
Feed concentrate. Carnation Company. 553,632, Jan. 15; Serial No. 610,508, published Oct. 30, 1951.
Feeds, Animal. Hespenheide and Thompson, Inc. 553,338, Jan. 15; Serial No. 544,346, published July 11, 1950.
Feeds, Cattle, sheep, and hog. Farm Feed Company 553,453, Jan. 15; Serial No. 589,204, published Oct. 23, 1951.
Feeds, Dairy. The Ohio Farm Bureau Service Company. 287,933, renewed Oct. 20, 1951. O. G. Jan. 15.
Figs, Dried. California Fig Growers & Packers, Inc. 553,348, Jan. 15; Serial No. 548,047, published Oct. 23, 1951.
Fish, Frozen, and frozen vegetables. Freeman Certi-Fresh Foods. 553,684, Jan. 15; Serial No. 615,543.
Flour, First clear wheat. W. J. Jennison Company. 553,439, Jan. 15; Serial No. 586,414, published Oct. 9, 1951.
Flour, Hard wheat bakers'. Sheridan Flouring Mills, Inc. 553,420, Jan. 15; Serial No. 584,040, published Oct. 16, 1951.
Flour, Pancake. L. R. Donelson, Jr. 210,576, Mar. 16, 1926. Republished Jan. 15.
Flour, Self-rising. The Colorado Milling & Elevator Co. 291,785, renewed Feb. 23, 1952. O. G. Jan. 15.
Flour, Wheat. The Colorado Milling & Elevator Co 553,352, Jan. 15; Serial No. 551,237, published June 5, 1951.
Flour, Wheat. Pillsbury Mills, Inc. 553,427, Jan. 15; Serial No. 585,185, published Oct. 23, 1951.
Flour, White wheat. Universal Mills. 440,910, Oct. 12, 1948 Republished Jan. 15.
Food, Cat. D. E. Lewis. 553,341, Jan. 15; Serial No. 545,135, published Oct. 9, 1951.
Food, Dog, cat food, and fox food. H. Serois. 334,656, May 12, 1936. Republished Jan. 15.
Food sauces. Broussard's of New Orleans. 553,558, Jan. 15; Serial No. 605,090, published Oct. 30, 1951.
Foods, Animal. Tioga Mills, Inc. 553,302, Jan. 15; Serial No. 534,838, published Oct. 23, 1951.
Fresh produce. R. A. Giovinazzi. 553,366, Jan. 15; Serial No. 562,637, published Oct. 30, 1951.
Frog legs, Frozen, and rock lobster meat. Atalanta Trading Corp. 553,430, Jan. 15; Serial No. 585,361, published Oct. 23, 1951.
Fruit in candy form. J. H. Miller. 553,513, Jan. 15; Serial No. 597,968, published Oct. 16, 1951.
Fruit, Texas citrus. Pink Lady Corporation. 553,386, Jan. 15; Serial No. 570,908, published Oct. 23, 1951.
Fruits, Fresh citrus. Crafton Orange Growers Association. 553,340, Jan. 15; Serial No. 544,981, published Oct. 23, 1951.
Fruits, Fresh citrus. Ivanhoe Mutual Orange Association. 553,329, Jan. 15; Serial No. 539,957, published Sept. 11, 1951.
Fruits, Fresh citrus. Orange Cove Citrus Association. 553,361, Jan. 15; Serial No. 555,006, published Oct. 23, 1951.
Grapefruit, Fresh, and fresh grapes. Mecca Growers Association. 553,345, Jan. 15; Serial No. 547,469, published Oct. 23, 1951.
Ham, bacon, lard, fresh pork, etc. Oscar Mayer & Co., Inc. 553,462, Jan. 15; Serial No. 590,607, published Sept. 11, 1951.
Hamburger sandwiches. Hamburg Heaven, Inc. 553,350, Jan. 15; Serial No. 549,926, published Oct. 23, 1951.
Hams and bacon. Armour and Company. 553,319, Jan. 15; Serial No. 529,860, published Oct. 16, 1951.
Hominy. Waples-Platter Company. 553,423, Jan. 15; Serial No. 584,516, published Oct. 3, 1950.
Ice cream. The Ricciardi Co., Inc. 553,432, Jan. 15; Serial No. 585,395, published Sept. 18, 1951.
Ice cream and cake confection. D. H. Williamson. 553,372, Jan. 15; Serial No. 567,013, published Sept. 18, 1951.
Ice cream cones. Maryland Baking Company, Inc. 553,456, Jan. 15; Serial No. 589,618, published Oct. 23, 1951.
Lard. Armour and Company. 553,334, Jan. 15; Serial No. 543,396, published Sept. 25, 1951.
Macaroni. Vimco Macaroni Products Company. 553,418–19, Jan. 15; Serial Nos. 583,965–6, published Oct. 9, 1951.
Melons, Fresh. Imperial Garden Growers. 553,311, Jan. 15; Serial No. 523,673, published Sept. 11, 1951.
Milk, Fresh, fresh cream, fresh butter, etc. Monticello Dairy, Inc. 553,449, Jan. 15; Serial No. 588,446, published Oct. 16, 1951.
Noodles. B. S. Scotland. 553,669, Jan. 15; Serial No. 599,786.
Olive oil. Robilio & Cuneo. 291,198, renewed Feb. 2, 1952. O. G. Jan. 15.
Olives. American Stores Company. 553,459, Jan. 15; Serial No. 590,058, published Oct. 30, 1951.
Oranges, Fresh. Independent Growers, Inc. 553,571–2, Jan. 15; Serial Nos. 605,903–4, published Sept. 25, 1951.
Pork and beef products. Stadler Packing Co., Inc. 553,375, Jan. 15; Serial No. 567,155, published Oct. 23, 1951.
Potatoes. Folson-Kennelly. 553,599, Jan. 15; Serial No. 608,152, published Oct. 23, 1951.
Poultry, Dressed. W. F. Wood, Jr. 553,570, Jan. 15; Serial No. 605,825, published Oct. 9, 1951.
Rice. Edmundson-Duhe Rice Mill Company, Inc. 553,324, Jan. 15; Serial No. 535,509, published Sept. 25, 1951.
Rice; barley; dried peas, etc. Southern Rice Sales Company, Inc. 285,927, Aug. 11, 1931. Republished Jan. 15.
Salami. Swift & Company. 553,342, Jan. 15; Serial No. 546,249, published Sept. 18, 1951.
Salt. Jefferson Island Salt Company. 553,415, Jan. 15; Serial No. 582,966, published Oct. 23, 1951.
Sausage, Smoked pork. Cudahy Brothers Co. 553,546, Jan. 15; Serial No. 603,770, published Sept. 11, 1951.
Tomato extract. Societa Generale Delle Conserve Alimentari Cirio. 84,049, Oct. 31, 1911. Republished Jan. 15.
Vegetables, Fresh. A. & R. Letture Company. 553,507, Jan. 15; Serial No. 597,051, published Oct. 30, 1951.
Vegetables, Fresh. Zellwin Farms Company. 553,349, Jan. 15; Serial No. 549,600, published Oct. 9, 1951.
Vegetables, Fresh, fresh citrus fruits, fresh deciduous fruits. Simon & French Co., Inc. 288,746, renewed Nov. 3, 1951. O. G. Jan. 15.
Wheat-flour. The Eaton Milling & Elevator Co. 85,092, re-renewed Jan. 30, 1952. O. G. Jan. 15.
Wheat-flour. The Twin Falls Milling & Elevator Co. 85,695, re-renewed Mar. 5, 1952. O. G. Jan. 15.
Wheat-flour. The Twin Falls Milling & Elevator Co. 85,778, re-renewed Mar. 12, 1952. O. G. Jan. 15.

CLASS 48

Beer. Esslinger's Inc. 553,541, Jan. 15; Serial No. 603,150, published Sept. 4, 1951.
Beer. M. B. Foster & Sons, Limited. 553,519, Jan. 15; Serial No. 599,234, published Aug. 28, 1951.
Beer. Horlacher Brewing Company. 553,517, Jan. 15; Serial No. 599,173, published Oct. 16, 1951.
Beer. The Wooden Shoe Brewing Company. 553,448, Jan. 15; Serial No. 587,665, published Aug. 28, 1951.

CLASS 50

Artificial plastic flowers. Flowola Plastic Flower Company. 553,499, Jan. 15; Serial No. 596,334, published Oct. 9, 1951.
Christmas tree ornaments. Bell Industries, Inc. 553,670, Jan. 15; Serial No. 600,114.
Coated fibrous materials and resinous sheet materials. Textileather Corporation. 553,426, Jan. 15; Serial No. 584,881, published Oct. 9, 1951.
Hog feeders and hog watering fountains. Butler Manufacturing Company. 553,554, Jan. 15; Serial No. 604,954, published Oct. 23, 1951.
Imitation leather. E. I. du Pont de Nemours Powder Company. 84,611, re-renewed Dec. 26, 1951. O. G. Jan. 15.
Matrices. Mergenthaler Linotype Company. 290,631, renewed Jan. 12, 1952. O. G. Jan. 15.
Mats, Door, and floor mats. Pawling Rubber Corporation. 553,435, Jan. 15; Serial No. 585,858, published Oct. 9, 1951.
Mats, Plastic table. Ellison & Spring, Inc. 553,602, Jan. 15; Serial No. 608,537, published Sept. 25, 1951.
Mats, etc., Rubber floor, door and bath. The Danbury Rubber Company, Inc. 553,573, Jan. 15; Serial No. 606,002, published Sept. 25, 1951.

Ornaments and decorations, Novelty. Union Novelty Company, Inc. 553,525, Jan. 15; Serial No. 600,744, published Oct. 9, 1951.
Plastic fabrics. Rudd Plastic Fabrics Corp. 553,492, Jan. 15; Serial No. 595,682, published Oct. 9, 1951.
Plastic film. Velveray Corporation. 553,490, Jan. 15; Serial No. 595,572, published Oct. 9, 1951.
Plastic material. The Pantasote Co. 553,580–1, Jan. 15; Serial Nos. 606,674–5, published Oct. 9, 1951.
Pyroxylin or otherwise coated fabrics. The Zapon Company. 288,400, renewed Oct. 27, 1951. O. G. Jan. 15.

CLASS 51

After shaving lotions, talcum powders, dentifrices, and tooth pastes. Ace Manufacturing Company. 312,496, May 1, 1934. Republished Jan. 15, 1952.
After shaving lotions, talcum powders, dentifrices, and tooth pastes. Ace Manufacturing Company. 326,003, July 9, 1935. Republished Jan. 15, 1952.
Cleansing cream. The Peteb Corporation. 288,486, renewed Oct. 27, 1951. O. G. Jan. 15.
Dental cream. The Kolynos Company. 290,754, renewed Jan. 12, 1952. O. G. Jan. 15.
Deodorant, Underarm, and non-perspirant for personal use. M. A. Hartlett. 553,395, Jan. 15; Serial No. 575,142, published Nov. 28, 1950.
Hair coloring, Home. Bymart, Inc. 553,511, Jan. 15; Serial No. 597,500, published Sept. 4, 1951.
Hair dressing. Lenwells, Inc. 289,051, renewed Nov. 17, 1951. O. G. Jan. 15.
Hair tinting and coloring preparations. Clairol Incorporated. 553,548, Jan. 15; Serial No. 604,419, published Sept. 11, 1951.
Mouthwash. J. Ormont. 553,440, Jan. 15; Serial No. 586,556, published Apr. 17, 1951.
Perfumes and toilet waters. M. Fields. 553,508, Jan. 15; Serial No. 597,258, published Sept. 11, 1951.
Rouge, both liquid and dry, cream for the skin, cold-cream, etc. R. Hudnut. 84,487, re-renewed Dec. 19, 1951. O. G. Jan. 15.
Shaving cream. Rit Products Corporation. 290,887, renewed Jan. 19, 1952. O. G. Jan. 15.
Shaving soap and shaving sticks. Colgate-Palmolive-Peet Company. 290,476, renewed Jan. 5, 1952. O. G. Jan. 15.

CLASS 52

After shaving lotions, talcum powders, dentifrices, and tooth pastes. Ace Manufacturing Company. 312,496, May 1, 1934. Republished Jan. 15.
After shaving lotions, talcum powders, dentifrices, and tooth pastes. Ace Manufacturing Company. 326,003, July 9, 1935. Republished Jan. 15.
Cleaner, All purpose. Mastercraft Manufacturing & Equipment Company. 553,438, Jan. 15; Serial No. 586,294, published Oct. 16, 1951.
Cleaner, Soapy liquid. W. R. Powell. 553,463, Jan. 15; Serial No. 590,944, published Oct. 23, 1951.
Cleaning preparation. Bendix Aviation Corporation. 553,431, Jan. 15; Serial No. 585,363, published Oct. 16, 1951.
Cleaning solvents. Rex Products & Manufacturing Company. 292,020, renewed Mar. 1, 1952. O. G. Jan. 15.
Detergent and sterilizing preparation. J. B. Gillespie. 553,422, Jan. 15; Serial No. 584,490, published Oct. 16, 1951.
Detergent compositions. Fuld Bros., Inc. 553,487, Jan. 15; Serial No. 595,255, published Oct. 23, 1951.
Detergent compositions. Nopco Chemical Company. 553,433, Jan. 15; Serial No. 585,670, published Oct. 23, 1951.
Detergents, Synthetic. Sears, Roebuck and Co. 553,353, Jan. 15; Serial No. 551,407, published Oct. 23, 1951.
Gel compositions. U. S. Detergents Co, Inc. 553,441, Jan. 15; Serial No. 586,714, published Oct. 23, 1951.
Shampoo, Glove. The Martin Dennis Company. 553,399, Jan. 15; Serial No. 578,678, published Oct. 23, 1951.
Soap, Toilet. R. H. Macy & Co., Inc. 553,476, Jan. 15; Serial No. 592,734, published Oct. 23, 1951.
Windshield washer fluid. Commercial Solvents Corporation. 553,496, Jan. 15; Serial No. 596,266, published Oct. 23, 1951.

CLASS 100

Baby diaper supply and laundry service. Baby Laundry, Inc. 553,644, Jan. 15; Serial No. 560,791, published Oct. 23, 1951.
Beauty shop services. Best & Co. Inc. 553,650, Jan. 15; Serial No. 604,186, published Oct. 23, 1951.
Furnishing trade information and promotional ideas to its members, etc. Toy Manufacturers of the U. S. A., Inc. 553,640, Jan. 15; Serial No. 543,543, published Oct. 23, 1951.
Hair cutting, and hair styling. Charles of the Ritz Operating Corporation. 553,687, Jan. 15; Serial No. 554,860.
Stimulating and maintaining interest in good scholarship, civic and community activities. Tau Beta Pi Association. 553,653, Jan. 15; Serial No. 594,236, published Oct. 23, 1951.
Stimulating and maintaining interest in public affairs, etc. The United States Junior Chamber of Commerce. 553,642, Jan. 15; Serial No. 557,404, published Oct. 23, 1951.

CLASS 101

Advertising the goods and services of others. M. I. Thompson. 553,647, Jan. 15; Serial No. 592,448, published Oct. 23, 1951.

CLASS 102

Arranging for the financing of automobiles through banks. Allstate Insurance Company. 553,652, Jan. 15; Serial No. 605,392, published Oct. 23, 1951.
General insurance brokerage. M. L. Martin. 553,688, Jan. 15; Serial No. 560,211.
Processing and handling of deposits and withdrawals in savings accounts, etc. Equitable Savings and Loan Association. 553,641, Jan. 15; Serial No. 554,964, published Oct. 23, 1951.
Underwriting of fire, extended coverage, windstorm, etc., insurance. Northwestern Mutual Fire Association. 553,645, Jan. 15; Serial No. 574,974, published Oct. 23, 1951.

CLASS 103

Services rendered to automobiles, trucks, and other automotive vehicles. Phillips Petroleum Company. 553,649, Jan. 15; Serial No. 598,598, published Oct. 23, 1951.

CLASS 105

Conducting escorted travel tours. Sita-Adventure Trails Inc. 553,651, Jan. 15; Serial No. 604,397, published Oct. 23, 1951.
Planning and personally conducting tours. Resort Airlines, Inc. 553,648, Jan. 15; Serial No. 597,784, published Oct. 23, 1951.

CLASS 106

Developing film and printing of pictures. The Elko Photo Products Co. 553,643, Jan. 15; Serial No. 560,004, published Oct. 23, 1951.
Mounting and finishing lithographed advertising displays, etc. Arvey Corporation. 553,639, Jan. 15; Serial No. 529,341, published Oct. 23, 1951.

CLASS 107

Entertainment service. 101 Ranch Boys, Inc. 553,646, Jan. 15; Serial No. 585,895, published Oct. 23, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15th DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Arrow-Hart & Hegeman Electric Company, The, assignee: *See*—
Schleicher, Harold E.

Du Pont, E. I. de Nemours & Company, assignee: *See*—
Mighton, Charles J.

Freeman, Andrew L., Grand Forks, N. Dak. Electric internal-combustion engine head bolt heater. Re. 23,449, Jan. 15.

McVicker, Ansley A., Jeannette, and H. D. McVicker, Latrobe, Pa. Machine for producing pads for journal lubrication. Re. 23,450, Jan. 15.

McVicker, Howard D.: *See*—
McVicker, Ansley A. and H. D.

Mighton, Charles J., Madelyn Gardens, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminated products and adhesive compositions of matter. Re. 23,451, Jan. 15.

Saulnier, Raymond, Paris, France. Removable roof for the cockpits of aircraft. Re. 23,452, Jan. 15.

Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Rotary electromagnetic transfer switch. Re. 23,453, Jan. 15.

Stevens-Arnold Inc., assignee: *See*—
Weightman, Herbert G.

Weightman, Herbert G., Berkeley, Calif., assignor to Stevens-Arnold Inc., Boston, Mass. Resonant magnetic switch assembly. Re. 23,454, Jan. 15.

Young, Stephen A., Delphi, Ind. Pop-up valve connection Re. 23,455, Jan. 15.

LIST OF PLANT PATENTEES

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,065, Jan. 15.

Duehrsen, Carl G., Montebello, assignor to C. A. Elmer, trading as Elmer Roses, San Gabriel, Calif. Rose plant. 1,066, Jan. 15.

Elmer, Constance A., assignee: *See*—
Duehrsen, Carl G.

Elmer Roses: *See*—
Duehrsen, Carl G.

Hahn, Louis, & Son, assignee: *See*—
Hahn, Walter S.

Hahn, Walter S., assignor to Louis Hahn & Son, Pittsburgh, Pa. Ivy plant. 1,067, Jan. 15.

Jackson & Perkins Company, assignee: *See*—
Boerner, Eugene S.

LIST OF DESIGN PATENTEES

American Brake Shoe Company, assignee: *See*—
Kistler, Max W.

Bates, Clyde N., Rutland, Vt. Portable heavy-duty scale. 165,676, Jan. 15.

Batkin, Stanley I., New Rochelle, N. Y. Combined tree lighting set and case therefor. 165,677, Jan. 15.

Cawthon, Edward H., Tampa, Fla. Combination seat and wall cabinet. 165,678, Jan. 15.

Clark, Fred S., New York, N. Y. Clothespin. 165,679, Jan. 15.

Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. 165,680, Jan. 15.

Eckenboy, Russell, Detroit, Mich. Towel rack. 165,681, Jan. 15.

Ferar, Montgomery: *See*—
Sundberg, Carl W., and Ferar.

Flexner, Gustav, Louisville, Ky. Toy savings bank. 165,682, Jan. 15.

Fournier, Albert B., and W. D. Williams, assignors to National Laboratories, Inc., Toledo, Ohio. Combined holder for container and applicator. 165,683, Jan. 15.

Hall, Frank G., Chicago, Ill. Hair curling device. 165,684, Jan. 15.

Hunt, Robert, Saginaw, Mich. Cigarette dispenser. 165,685, Jan. 15.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Control knob for a food mixer or the like. 165,686, Jan. 15.

Johnson, Clarence L., Encino, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airplane. 165,687, Jan. 15.

Johnson, Clarence L., Encino, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airplane. 165,688, Jan. 15.

Jones, Paul L., Lakegrove, Oreg. Egg tongs. 165,689, Jan. 15.

Kistler, Max W., Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Three-wheeled vehicle. 165,690, Jan. 15.

La Resista Corset Company, The, assignee: *See*—
Rockwell, Eileen A.

Lockheed Aircraft Corporation, assignee: *See*—
Johnson, Clarence L.

Macomic, Grace E., Chicago, Ill. Lip rouge applicator. 165,691, Jan. 15.

Mayo, Peter B., Northfield, Ill. Milk processing building. 165,692, Jan. 15.

Mearns, Robert E., New York, N. Y. Infant's bib. 165,693, Jan. 15.

Miran, Julius, New York, N. Y. Stocking. 165,694, Jan. 15.

Miran, Julius, New York, N. Y. Stocking. 165,695, Jan. 15.

Miran, Julius, New York, N. Y. Stocking. 165,696, Jan. 15.

Mueller, Walter, Clifton, N. J., assignor of one-half to R. E. Schletter, Philadelphia, Pa. Lady's stocking. 165,697, Jan. 15.

National Laboratories, Inc., assignee: *See*—
Fournier, Albert B., and Williams.

Onondaga Pottery Company, assignee: *See*—
Cowan, R. Guy.

Rockwell, Eileen A., assignor to The La Resista Corset Company, Bridgeport, Conn. Lady's foundation undergarment. 165,698, Jan. 15.

Schletter, Richard E., assignee: *See*—
Mueller, Walter.

Schueren, Arnold C., assignor to Vaughan Company, Chicago, Ill. Electric meat, fish, and bone cutter. 165,699, Jan. 15.

Schwartz, Gertrude, Chicago, Ill. Baby bunting. 165,700, Jan. 15.

Smith, Garland B., Madison, Wis. Artificial Christmas tree. 165,701, Jan. 15.

Stewart, Donald E., assignor to Winters & Crampton Corporation, Grandville, Mich. Stove handle. 165,702, Jan. 15.

Stewart, Donald E., assignor to Winters & Crampton Corporation, Grandville, Mich. Stove handle. 165,703, Jan. 15.

Sunbeam Corporation, assignee: *See*—
Jepson, Ivar.

Sundberg, Carl W., Birmingham, and M. Ferar, Huntington Woods, Mich., assignors to Sylvania Electric Products Inc. Clock-radio housing. 165,704, Jan. 15.

Sylvania Electric Products Inc., assignee: *See*—
Sundberg, Carl W., and Ferar.

Vaughan Company, assignee: *See*—
Schueren, Arnold C.

Williams, William D.: *See*—
Fournier, Albert B., and Williams.

Winters & Crampton Corporation, assignee: *See*—
Stewart, Donald E.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15th DAY OF JANUARY, 1952

NOTE.—**Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).**

A. B. C. Coupler & Engineering Company, Limited, assignee: *See*—
Cossey, John C. G., and Smith.

A-1 Bit & Tool Company, assignee: *See*—
Yancey, John R., and Robishaw.

Aagaard, Fridtjof, Rahway, N. J., assignor to American Cyanamid Company, New York, N. Y. Throttling device. 2,582,917, Jan. 15.

Abbott Laboratories, assignee: *See*—
Fricke, Howard H.

Actiengesellschaft Joh. Jacob Rieter & Cie, assignee: *See*—
Hoffmann, Walter.

Acton, Russel D., Chicago, Ill. Hydraulic lift. 2,582,896, Jan. 15.

Adams, Charles A., Monticello, N. Y. Horizontal gyratory roll crusher. 2,582,734, Jan. 15.

Addressograph-Multigraph Corporation, assignee: *See*—
Hueber, Carl J.

Agrashell, Inc., assignee: *See*—
Ayers, Joseph W.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Cowan, John C., and Teeter.

Aktiebolaget Elektrolux, assignee: *See*—
Faith-Ell, Lars J.

Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Gianella, Gustav, and Lardelli.

Alaj, Antoine L., Arlington, Va. Hot plate. 2,582,735, Jan. 15.

Albrecht, William F., Salt Lake City, Utah. Valve. 2,582,370, Jan. 15.

Allen, Edward K., Jr., assignor to Leland-Gifford Company, Worcester, Mass. Coolant device for tools. 2,582,667, Jan. 15.

Allied Chemical & Dye Corporation, assignee: *See*—
Oliveros, Reginald P.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Strehlow, Walter F.

Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Ljungberg, Ture A.
Petersén, Wilhelm H.

Altieri, Onorino, assignor of one-half to L. Rettinger, Cecil, Pa. Door-gasket corner cutting tool. 2,582,736, Jan. 15.

Aluminum Company of America, assignee: *See*—
Brown, Ralph W.
Frary, Francis C.

American Blower Corporation, assignee: *See*—
Foley, Raymond B.

American Car and Foundry Company, assignee: *See*—
Clarke, Allen W., and Krauthelm.

American Cyanamid Company, assignee: *See*—
Aagaard, Fridtjof.
Bernstein, Seymour, and Sax.
Kropa, Edward L., and Wohnsiedler.
Maxwell, Charles S.
Waletzky, Emanuel, and Bliznick.
Wohnsiedler, Henry P., and Kropa.

American Enka Corporation, assignee: *See*—
V. Nes, Robbert, and Lelij.

American Laundry Machinery Company, The, assignee: *See*—
Creswick, Edward A., and Johnson.

American National Bank and Trust Company of Chicago, administrator: *See*—
Coombs, Leslie W.

American Optical Company, assignee: *See*—
Bergmann, Andrew M.
Pincus, Alexis G.

American Seating Company, assignee: *See*—
Nordmark, Walter E.

American Steel Foundries, assignee: *See*—
Sedgwick, Robert K.

American Viscose Corporation, assignee: *See*—
Stanley, Richard W., and Lowe.

Anchor Products Company, assignee: *See*—
Brown, Percy M.

Anderson, Wallace L., assignor to Harrison-Weise Company, Chicago, Ill. Safety anchor spacer plate or bar. 2,582,897, Jan. 15.

Ardito, William A., West Springfield, and J. Pickford, Springfield, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Suction cleaning apparatus. 2,582,219, Jan. 15.

Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Interior illumination system for vehicles and recessed twin beam fixtures therefor. 2,582,738, Jan. 15.

Arles, Robert S., New York, N. Y. Brake and handle arrangement for baby carriages. 2,582,737, Jan. 15.

Armco Steel Corporation, assignee: *See*—
Jackson, John M., and Carpenter.

Armour and Company, assignee: *See*—
Sullivan, William R., and Cleary.

Armour, Louise, Washington, D. C. Dart for torso-fitting lady's garment. 2,582,739, Jan. 15.

Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Heeren, Martin H., and Camras.

Army, United States of America as represented by the Secretary of the, assignee: *See*—
Rothstein, Jerome.

Arrowsmith, John D., Richmond Beach, Wash. Flower snips. 2,582,472, Jan. 15.

Asdell, Bernard K.: *See*—
Barrett, William H., and Asdell.

Atellers Neyret-Beylier & Piccard-Pictet, assignee: *See*—
Frachon, Maurice.

Auchard, Dwight M., Vallejo, Calif. Stud and joist layout instrument. 2,582,405, Jan. 15.

August, William, New York, N. Y., assignor to Ben Lee Products, Inc. Combination heater and vibrator. 2,582,617, Jan. 15.

Ausherman, William S., Wichita, Kans. Repair unit for broken vehicle axles. 2,582,307, Jan. 15.

Australian Iron & Steel Limited, assignee: *See*—
Escher, Hans.

Autographic Register Company, assignee: *See*—
Lustbader, Melvin H.

Ayers, Joseph W., Easton, Pa., assignor to Agrashell, Inc. Phonograph record composition comprising vinyl resin and butadiene-acrylonitrile copolymer. 2,582,740, Jan. 15.

Ayers, Joseph W., Easton, Pa., assignor to Agrashell, Inc. Phonograph record molding compositions and records. 2,582,741, Jan. 15.

Babcock & Wilcox Tube Company, The, assignee: *See*—
Harter, Isaac, Jr., and Pugh.

Bachli, Herman, and H. S. Shapiro, assignors to Chicago Specialty Mfg. Co. Inc., Chicago, Ill. Tube cutter. 2,582,406, Jan. 15.

Bailey, Bruce L., Niagara Falls, assignor to Great Lakes Carbon Corporation, New York, N. Y. Manufacture of carbon electrodes. 2,582,764, Jan. 15.

Bailey, Christopher E. G., London, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for synchronizing the frequency of an oscillator to a control oscillation. 2,582,668, Jan. 15.

Baker & Co., Inc., assignee: *See*—
Rosenblatt, Edgar F.

Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Ruge, Arthur C.

Baldwin, Nathaniel, Salt Lake City, Utah. Spacing punch. 2,582,898, Jan. 15.

Ball, Richard N., and E. Van Dellen, Visalia, Calif. Processing olives. 2,582,371, Jan. 15.

Balogh, Roy O., Cleveland, Ohio, assignor, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo. Ladder. 2,582,520, Jan. 15.

Barbara, Jack L., Port Jervis, N. Y. Pipe and cigar holder attachment. 2,582,618, Jan. 15.

Bar-B-Buns, Incorporated, assignee: *See*—
Funke, Lawrence J.

Barnebey, Herbert L., Richland Township, Allegheny County, and J. R. Shields, Pittsburgh, assignors to Blaw-Knox Company, Blawnox, Pa. Autoclave reactor. 2,582,899, Jan. 15.

Barrett, William H., International Falls, Minn., and B. K. Asdell, Metuchen, N. J., assignors to Minnesota and Ontario Paper Company, Minneapolis, Minn. Coating paper. 2,582,407, Jan. 15.

Barrie Sportwear, Inc., assignee: *See*—
Egbert, Mannel.

Bartow Beacons, Inc., assignee: *See*—
Bartow, John B.

Bartow, John B., Blue Bell, assignor to Bartow Beacons, Inc., Philadelphia, Pa. Approach system for landing aircraft. 2,582,742, Jan. 15.

Bataille, Pierre E., Emeville, assignor to Societe des Carrieres de l'Oise et de la Meuse, Crepy-en-Valois, Oise, France. Machine for mining tender stones or other mineral substances. 2,582,521, Jan. 15.

Batesville Casket Company, The, assignee: *See*—
McEwan, James J.

Batten, Percy H., trustee assignee: *See*—
Wahlsten, Gösta L. B., and Boestad.

Battersby, James E., assignor to Masson Scott & Company Limited, London, England. Mounting of rotary cutting means for paper, card, and the like. 2,582,522, Jan. 15.

Battle, Richard, Los Angeles, Calif. Garment hanger. 2,582,669, Jan. 15.

Bauer, Oliver F., East Rochester, assignor to Gleason Works, Rochester, N. Y. Gear testing machine. 2,582,408, Jan. 15.

Beaver, David J., St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing rubber and products thereof. 2,582,670, Jan. 15.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Triggered fastener driving tool for two-step operation. 2,582,578, Jan. 15.

Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Transmission. 2,582,220, Jan. 15.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener. 2,582,579, Jan. 15.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Sleeve member for knob assemblies. 2,582,580, Jan. 15.

Beglinger, Jacques, assignor to J. R. Geigy A. G., Basel, Switzerland. Liquid distributor for dividing a constant or variable stream of liquid into two partial streams. 2,582,523, Jan. 15.

Belfert, Gerald, Brooklyn, N. Y. Transparent watch protector. 2,582,473, Jan. 15.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bomberger, David C., Ingerson, and Och.
Dimond, Thomas L.
Fritschi, Walter W.
Merrill, Josiah L., Jr.
Stiratelli, Bartholomew A.

Belmonte, John, assignor of 25% to Raymond Commerford, 25% to Ronald Shanahan, and 50% to Anthony Jannielio, Brooklyn, N. Y. Combination rotary brush and comb. 2,582,409, Jan. 15.

Belsey, Frederick H., Sale, and D. T. Broadbent, Stretford, England, assignors to General Electric Company. Control system of the correspondence kind for movable members. 2,582,221, Jan. 15.

Belsey, Frederick H., Sale, and D. T. Broadbent, Stretford, England, assignors to General Electric Company. Control system of the correspondence kind for movable members. 2,582,222, Jan. 15.

Beman, Ward W., Glendale, and J. H. Weaver, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Transonic wind tunnel. 2,582,814, Jan. 15.

Bemis Bro. Bag Company, assignee: *See*—
Schenck, Arthur E.

Bendix Aviation Corporation, assignee: *See*—
Schneck, Frederick W., and McNeill.

Bendure, John E.: *See*—
Lippard, Thomas R., and Bendure.

Benedict, Louis A., and W. J. Klauer, assignors to Klauer Manufacturing Company, Dubuque, Iowa. Alcohol heater for refrigerator cars. 2,582,900, Jan. 15.

Berglund, Lawrence E., Minneapolis, Minn. Support for fur neckpieces. 2,582,308, Jan. 15.

Bergmann, Andrew M., Cheektowaga, N. Y., assignor to American Optical Company, Southbridge, Mass. Slit mechanism. 2,582,410, Jan. 15.

Bernstein, Seymour, and K. J. Sax, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Dehydroisoandrosteryl mercaptan and process. 2,582,918, Jan. 15.

Berridge, Thomas W., Billerica, and H. F. Nordheim, Waltham, Mass. Dispenser for pressure-sensitive tape. 2,582,813, Jan. 15.

Betner, Benjamin C., Company, assignee: *See*—
Higginbottom, William E.

Bettison, David C.: *See*—
Keaton, Frank H., and Bettison.

Biddle, William P., Jr.: *See*—
Sanford, Hugh W., and Biddle.

Biefeld, Lawrence P., Newark, N. J., assignor to Owens-Corning Fiberglas Corporation. Coloring glass fibers. 2,582,919, Jan. 15.

Black & Decker Manufacturing Company, The, assignee: *See*—
Wilhide, Glenn C.

Blackburn, George F., Montgomery County, Md., and E. R. Paul, Washington, D. C. Abrasion testing machine. 2,582,223, Jan. 15.

Blairs Braces, Inc., assignee: *See*—
Jewett, Eugene L.

Blankenbiller, Harold C., East Hampton, Conn. Combination dentifrice dispenser and toothbrush supporting means. 2,582,671, Jan. 15.

Blanton, William B.: *See*—
Light, George G., and Blanton.

Blaw-Knox Company, assignee: *See*—
Barnebey, Herbert L., and Shields.
Sarosdy, Louis J.

Blazek, John Y., assignor to Lempco Products, Inc., Bedford, Ohio. Reamer and producing same. 2,582,524, Jan. 15.

Bliznick, Alexander: *See*—
Waletzky, Emanuel, and Bliznick.

Bloch, Herman S.: *See*—
Hoffman, Alfred E., and Bloch.

Bloch, Herman S., Chicago, and A. E. Hoffman, Clarendon Hills, assignors to Universal Oil Products Company, Chicago, Ill. Olefin copolymers having drying properties. 2,582,411, Jan. 15.

Blockinger, William, West St. Paul, Minn. Fishing bobber. 2,582,619, Jan. 15.

Boadway, Odber E., Pasadena, assignor to Innovations, Inc., Los Angeles, Calif. Closure for containers. 2,582,224, Jan. 15.

Bobst, Raymond L., De Soto, Wis. Automatic bale tension control for baling machines. 2,582,672, Jan. 15.

Bodger, Walter K., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Overspeed governor. 2,582,674, Jan. 15.

Boelens, Willem W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for wave length modulation. 2,582,673, Jan. 15.

Boestad, Gustav K. W.: *See*—
Wahlsten, Gösta L. B., and Boestad.

Bollmann, Martin, Krefeld-Uerdingen, and E. Kroning, Krefeld, assignors to Farbenfabriken Bayer, Krefeld-Uerdingen, Germany. Para-tertiary butylcyclohexanyl acetate. 2,582,743, Jan. 15.

Bolsey, Jacques, New York, N. Y. Interchangeable objective lens supporting means. 2,582,815, Jan. 15.

Bomberger, David C., Plainfield, W. E. Ingerson, North Plainfield, and H. G. Och, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gun computer having target rate integrating means for determining target position. 2,582,474, Jan. 15.

Bona, George B., assignor to Dictaphone Corporation, Bridgeport, Conn. Apparatus for joining ends of thermoplastic film. 2,582,581, Jan. 15.

Bonnell, William L., assignor to Trimedge, Incorporated, Youngstown, Ohio. Sink frame and mounting. 2,582,816, Jan. 15.

Bonotto, Michele, Princeton, N. J. Process and apparatus for soaking, filtering, and settling of miscella through solid oil-bearing materials and solvent extraction thereof. 2,582,675, Jan. 15.

Bordewieck, Robert W., Southboro, J. O. Roebuck, and N. M. Sleeper, assignors to Moore Electronic Laboratories, Incorporated, Worcester, Mass. Cathode follower photoelectric amplifier circuit. 2,582,676, Jan. 15.

Borg-Warner Corporation, assignee: *See*—
Kelbel, Donald W.

Bosch, Robert, G. M. B. H., assignee: *See*—
Grözinger, Alfred.

Bosquet, John E., New York, N. Y. Line-making device. 2,582,412, Jan. 15.

Bottom, Charles R., Kansas City, Mo. Dual fuel jet for dual fuel burners. 2,582,582, Jan. 15.

Bovard, William P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond. 2,582,937, Jan. 15.

Bowerston Shale Company, The, assignee: *See*—
Milliken, Edward C., and Roth.

Bowser, Virgil C., Silver Spring, Md., and G. W. Klinzelman, Washington, D. C. Gun firing mechanism with cutout device. 2,582,225, Jan. 15.

Boyle, Thomas C.: *See*—
Wolfe, Richard C., and Boyle.

Boyle, Thomas C., Altadena, Calif. Expansion head for torpedoes. 2,582,226, Jan. 15.

Brady, Frank W., Scranton, Pa. Eye examining device having concave mirror. 2,582,227, Jan. 15.

Brandenburg, Otto: *See*—
Wunderlich, Johann F., and Brandenburg.

Braunwalder, John, Glendale, and E. Meyer, Los Angeles, Calif.; said Braunwalder assignor to said Meyer. Food chopper. 2,582,475, Jan. 15.

Breivogel, Philip J.: *See*—
Sondern, Clarence W., and Breivogel.

Brennan, Joseph B., Cleveland, Ohio. Making compact metal strip and electrode produced therefrom. 2,582,744, Jan. 15.

Brew, Lewis J., Rochester, N. Y. Door and window trim. 2,582,765, Jan. 15.

Bridgeport Brass Company, assignee: *See*—
Loven, Nils O., and Efford.

Brinkema, Robert J., Kew Gardens, N. Y., assignor, by mesne assignments, to Koppers Company, Inc. Producing cellular resinous compositions. 2,582,228, Jan. 15.

Broadbent, David T.: *See*—
Belsey, Frederick H., and Broadbent.

Brokman, Maurycy, assignee: *See*—
Jezewski, Mieczyslaw, and Szklarski.

Brooks, Lester A., Norwalk, Conn., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y. Fungicidal preparation. 2,582,857, Jan. 15.

Bros, Chester W., Edina, assignor to Wm. Bros Boiler & Manufacturing Co., Minneapolis, Minn. Stoker mechanism. 2,582,583, Jan. 15.

Bros, Wm., Boiler & Manufacturing Co., assignee: *See*— Bros, Chester W.

Brown-Brockmeyer Co., The, assignee: *See*— Brown, Steffen S.

Brown, Ellis M., and F. V. Forss, assignors to John Oster Manufacturing Company, Racine, Wis. Power-driven palm grasped kitchen appliance. 2,582,229, Jan. 15.

Brown, Percy M., Tenafly, assignor to Anchor Products Company, North Bergen, N. J. Lock. 2,582,309, Jan. 15.

Brown, Ralph W., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Recovery of gallium from alkali metal aluminate solutions. 2,582,377, Jan. 15.

Brown, Ralph W., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Producing gallium. 2,582,378, Jan. 15.

Brown, Steffen S., assignor to The Brown-Brockmeyer Co., Dayton, Ohio. Shaft seal. 2,582,525, Jan. 15.

Bruce, E. L., Company, assignee: *See*— Jones, Leslie H.

Brusse, Archie B., assignor to Rocky Mountain Metal Products Co., Denver, Colo. Orthodontic bracket. 2,582,230, Jan. 15.

Burdick, Richard, Dallas, Tex. Push-bar. 2,582,526, Jan. 15.

Burggrabe, Henry A., assignor to F. L. Jacobs Co., Detroit, Mich. Vending machine. 2,582,766, Jan. 15.

Burnett, Edward N., San Lorenzo, Calif., assignor to Gerber Products Company, Fremont, Mich. Nozzle valve. 2,582,527, Jan. 15.

Burnett, Edward N., San Lorenzo, Calif., assignor to Gerber Products Company, Fremont, Mich. Carton opening knife. 2,582,677, Jan. 15.

Businger, Roger T., Pittsburgh, Pa., and H. L. Gerhart, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. High purity dicyclopentadiene. 2,582,920, Jan. 15.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Display container for individually wrapped articles of merchandise and supporting tray therefor. 2,582,476, Jan. 15.

Buttondex Corporation, assignee: *See*— Schneider, John F., Jr.

Byrd, H. F., Inc., assignee: *See*— Rooker, William A.

Cadwallader, Robert F., assignee: *See*— Roberts, Wert E.

California Research Corporation, assignee: *See*— Claussen, William H.

Calvert, Raymond: *See*— Fennessy, Edward, Roberts, and Calvert.

Cameron Iron Works, assignee: *See*— Works, Madden T.

Camras, Marvin: *See*— Heeren, Martin H., and Camras.

Cannon, Madison M., Jr., West Hartford, Conn., assignor to Emhart Manufacturing Company. Forehearth cooled refractory channel joint. 2,582,477, Jan. 15.

Capiak, Ignatius J., Chicago, Ill. Motor propelled snow sled. 2,582,858, Jan. 15.

Carberry, Mal, Fresno, Calif. Material disseminating apparatus for airplanes. 2,582,678, Jan. 15.

Carbiener, Harvey D., assignor to Excel Corporation, Elkhart, Ind. Friction device for holding wind wings open. 2,582,584, Jan. 15.

Cardwood Products Corp., assignee: *See*— Kirshbaum, Harry T.

Carey, Clinton C., assignor to Kenosha Auto Transport Corp., Springfield, Ohio. Truck chassis support. 2,582,767, Jan. 15.

Carlson, Donald L., Denver, Colo. Two-way plow. 2,582,478, Jan. 15.

Carpenter, Jack K., administrator: *See*— Champion, William R.

Carpenter, Victor W.: *See*— Jackson, John M., and Carpenter.

Carrier Corporation, assignee: *See*— Leonard, Louis H., Jr.

Carroll, Wallace E., Chicago, Ill. Gauge holder. 2,582,679, Jan. 15.

Caswell, Arthur S., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Double-throw clamp tight switch. 2,582,745, Jan. 15.

Catallo, Leo, assignor to Wheel Trueing Tool Company, Detroit, Mich. Abrasive tool and making same. 2,582,231, Jan. 15.

Celanese Corporation of America, assignee: *See*— Levers, James F., and Patchett.

Centofanti, Olin, Paulsboro, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gas leak detector. 2,582,859, Jan. 15.

Century Machine Company, The, assignee: *See*— Hein, August E.

Cesaro, Richard S., and H. B. Harris, Cleveland, Ohio. Temperature-sensing and/or sound velocity-measuring device. 2,582,232, Jan. 15.

Chadwick, David H., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing C_1-C_8 dialkyl hydrogen phosphites. 2,582,817, Jan. 15.

Champion, Mary A., administratrix: *See*— Champion, William R.

Champion, William A., deceased, Croxley Green, England; M. A. Champion and J. K. Carpenter, administrators. Coupling for pipes and tubes. 2,582,746, Jan. 15.

Chapman, Walter J.: *See*— Komarek, Gustav, and Chapman.

Charney, Jesse, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Purification of bacitracin by adsorption. 2,582,921, Jan. 15.

Chemical Foundation, Inc., The, assignee: *See*— Englert, Robert D., Gerjovich, and Pijoan.

Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Electroplating copper. 2,582,233, Jan. 15.

Chicago Blower Corporation, assignee: *See*— Gohl, Fred H.

Chicago Pneumatic Tool Company, assignee: *See*— Fossum, Henry O.

Chicago Specialty Mfg. Co. Inc., assignee: *See*— Bachli, Herman, and Shapiro.

Chireix, Henri, Paris, France, assignor to Societe Française Radio-Electrique. Self-identifying reflecting radio beacon. 2,582,310, Jan. 15.

Christianson, Louis W.: *See*— Gittings, William L., Christianson, and Johnson.

Church, Albert E., assignor to Union Manufacturing Company, New Britain, Conn. Work holding chuck. 2,582,680, Jan. 15.

Clark, James M., New York, N. Y. Expansible chamber rotary fluid displacement device. 2,582,413, Jan. 15.

Clark, William A., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Upholstery support pad. 2,582,479, Jan. 15.

Clarke, Allen W., St. Charles, and W. C. Krautheim, Pasadena Park, Mo.; said Krautheim assignor to General Steel Castings Corporation, Granite City, Ill., and said Clark assignor to American Car and Foundry Company, New York, N. Y. Railway vehicle underframe and coupler support structure. 2,582,414, Jan. 15.

Clarkson, Ralph P., Milford, Conn. Justifying and differential spacing device for typewriters and the like. 2,582,372, Jan. 15.

Claussen, William H., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Adsorption process for the separation of hydrocarbons. 2,582,415, Jan. 15.

Clayton & Lambert Manufacturing Company, assignee: *See*— Stemmons, Robert, and Edel.

Cleary, Patrick J.: *See*— Sullivan, William R., and Cleary.

Clerke, John W., Little Falls, N. J. Welding shield. 2,582,860, Jan. 15.

Coby, George, Attleboro, Mass., assignor to United Products Co., Inc. Manufacturing glass ampoules. 2,582,818, Jan. 15.

Cochrane Corporation, assignee: *See*— Horodeck, William.

Coe, Henry J. F., Glen Iris, Victoria, Australia. Surveying apparatus. 2,582,681, Jan. 15.

Colas, Marcel, Malakoff, assignor, by mesne assignments, to Compagnie Generale De Telegraphie Sans Fil, Paris, France. Frequency transposing device. 2,582,768, Jan. 15.

Collins Radio Company, assignee: *See*— Olson, Roy H.

Colucci, Giuseppe, Naples, Italy. Variable-speed gearing. 2,582,620, Jan. 15.

Columbia Ribbon and Carbon Manufacturing Company, Inc., assignee: *See*— Newman, Douglas A.

Commerford, Raymond, assignee: *See*— Belmonte, John.

Compagnie Generale De Telegraphie Sans Fil, assignee: *See*— Colas, Marcel.

Compo Shoe Machinery Corporation, assignee: *See*— Small, Edward F.

Comstock & Wescott, Inc., assignee: *See*— Young, Ernest H.

Congdon, Richard L., Dallas, Tex., assignor to General Instruments Inc. Seismometer. 2,582,769, Jan. 15.

Conrad, John F., assignor to Deltron Electric Products, Inc., Ebensburg, Pa. Electrical connector of the trolley tap type. 2,582,621, Jan. 15.

Conzelman, John E., Jr., Sierra Madre, H. B. Ellis, La Canada, and C. W. O'Brien, Los Angeles, Calif. Prosthetic hand. 2,582,234, Jan. 15.

Coolerator Company, The, assignee: *See*— Frykdahl, Carl E. H.

Coombs, Leslie W., deceased, Chicago, Ill., by American National Bank and Trust Company of Chicago, administrator, Chicago, Ill. Rotary striping wheel paint striper and adapter for use with collapsible paint tube containers and the like. 2,582,861, Jan. 15.

Cordrey, Letha O. W., San Diego, Calif. Cooking shield. 2,582,373, Jan. 15.

Cornelius, Gail, assignor to R. M. Wade & Co., Portland, Oreg. Power drive means for irrigation pipe. 2,582,416, Jan. 15.

Cornell, Charles A., Johnstown, Ohio. Tube patch. 2,582,770, Jan. 15.

Cornell, Charles A., Johnstown, Ohio. Tube patch. 2,582,771, Jan. 15.

Cossey, John C. G., and G. H. Smith, assignors to A. B. C. Coupler & Engineering Company, Limited, Wolverhampton, England. Coupling for railway and like vehicles. 2,582,747, Jan. 15.

Cowan, John C., and H. M. Teeter, Peoria, Ill., assignors to United States of America as represented by the Secretary of Agriculture. Synthetic resins from maleic anhydridealkyl oleate adduct and an alkylene diamine. 2,582,235, Jan. 15.

Craig, Jon R., Columbus, Ga. Disappearing stairway. 2,582,622, Jan. 15.

Cramer, R. W., Company, Incorporated, The, assignee: *See*— Schellens, Eugene L.

Cranford, Floyd L. O., Baton Rouge, La. Quick-change casing stabbing board. 2,582,528, Jan. 15.

Creswick, Edward A., and T. F. Johnson, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Filter housing. 2,582,311, Jan. 15.

Croessant, George P., Wyomissing, Pa. Expanding tool for collapsing anchoring sockets. 2,582,417, Jan. 15.

Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Drilling motion take-off. 2,582,682, Jan. 15.

Crowder, William A., East Orange, N. J. Fishhook. 2,582,418, Jan. 15.

Crowley, Henry L., South Orange, and A. M. Hossenlopp, Mapplewood, assignors to Henry L. Crowley & Company, Inc., West Orange, N. J. Apparatus for molding articles. 2,582,922, Jan. 15.

Crowley, Henry L., & Company, Inc., assignee: *See*— Crowley, Henry L., and Hossenlopp.

Croxall, Willard J., Bryn Athyn, and S. Melamed, assignors to Rohm & Haas Company, Philadelphia, Pa. Quaternary ammonium compounds having a hydroxybutynyl substituent. 2,582,748, Jan. 15.

Curry, Harold E., Seattle, Wash., and H. A. Miller, Bay Shore, N. Y. Medicament applicator. 2,582,529, Jan. 15.

Curtiss-Wright Corporation, assignee: *See*— Steele, Frederick I.

Cushman, Walton W., Webb City, Mo. Speed control mechanism. 2,582,236, Jan. 15.

Daetwiler, Irven, Hot Springs, Ark. Well packer. 2,582,530, Jan. 15.

Daily, Bernard, Goose Creek, Tex., assignor to Shell Development Company, San Francisco, Calif. Tank shut-off valve. 2,582,819, Jan. 15.

Dalke, John L., Enid, Okla., assignor to the United States of America as represented by the Secretary of War. Map making apparatus. 2,582,374, Jan. 15.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Door lock. 2,582,237, Jan. 15.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Door lock. 2,582,923, Jan. 15.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Door lock. 2,582,924, Jan. 15.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile door lock. 2,582,925, Jan. 15.

Dall, Edward D., Detroit, Mich., assignor to Houdaille-Hershey Corporation. Automobile door lock. 2,582,926, Jan. 15.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Door lock. 2,582,927, Jan. 15.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Door lock. 2,582,928, Jan. 15.

Dammers, Bernhardus G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne radio receiver. 2,582,683, Jan. 15.

Danison, Robert C.: *See*— Olson, Harry S., and Danison.

Dapolonia, Frank A., assignee: *See*— McKeever, Eloy C.

David, Roland P. L. M., assignor to Le Materiel Electrique S. W., Paris, France. Rapid response direct current generator. 2,582,531, Jan. 15.

Davies, Clarence J.: *See*— Millar, John R., Stack, and Davies.

Davies, Harry E.: *See*— Reimschissel, Charles A., and Davies.

Dean, George A., New York, N. Y. Electric fan. 2,582,532, Jan. 15.

Decca Record Company, Limited, The, assignee: *See*— O'Brien, William J.

December, Domenick, Brooklyn, N. Y. Securing means for umbrella tops. 2,582,749, Jan. 15.

De Cesaris, Frederick, Johnston, R. I., assignor to James Manufacturing Co., Inc. Compass. 2,582,585, Jan. 15.

Deere & Company, assignee: *See*— Edwards, Curtis V. Oehler, William P. Stueland, Harold M.

Deister Concentrator Company, The, assignee: *See*— Weber, Don A.

Delfino, George, and Sons, assignee: *See*— Kaltoft, Sigurd.

Del'Homme, Daniel L., assignor to Reed Roller Bit Company, Houston, Tex. Wear indicating device for drill bits. 2,582,312, Jan. 15.

Deltron Electric Products, Inc., assignee: *See*— Conrad, John F.

Derby Sealers, Incorporated, assignee: *See*— Krueger, Alfred P.

Detroit Lubricator Company, assignee: *See*— Dillman, Earnest J., and Fleury.

Diamond Alkali Company, assignee: *See*— Olson, Harry S., and Danison.

Dick, A. B., Company, assignee: *See*— Roshkind, Allan I.

Dickert, Joseph J., Jr.: *See*— Hartough, Howard D., and Dickert.

Dickhaut, Charles A., Highland Park, N. J., assignor to John Waldron Corporation. Web unrolling apparatus. 2,582,820, Jan. 15.

Dictaphone Corporation, assignee: *See*— Bona, George B. Frederick, Carl L.

Dillman, Earnest J., and J. E. Fleury, assignors to Detroit Lubricator Company, Detroit, Mich. Gas burner controlling means. 2,582,419, Jan. 15.

Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Register circuit. 2,582,480, Jan. 15.

Dixon, Robert E., Cleveland, Ohio. Fountain comb. 2,582,533, Jan. 15.

Dobson, Frederick W., assignor, by mesne assignments, to The Woodall-Duckham Vertical Retort and Oven Construction Company (1920) Limited, London, England. Coke oven buckstay structure. 2,582,238, Jan. 15.

Dodd, Charles G., Ann Arbor, Mich., assignor to the United States of America as represented by the Secretary of War. Water repellent treatment of textiles with long chain substituted phenol aldehyde resin emulsion. 2,582,239, Jan. 15.

Dodson, William T., Taft, Calif. Salt-and-pepper dispenser with a longitudinal helical partition and a snap-on bottom closure strip. 2,582,313, Jan. 15.

Doehler, Emil J., Buffalo, N. Y. Railroad car handling system and apparatus. 2,582,316, Jan. 15.

Doll, Henri-Georges, Ridgefield, Conn., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Electromagnetic well logging system. 2,582,314, Jan. 15.

Doll, Henri-Georges, Ridgefield, Conn., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Differential coil system for induction logging. 2,582,315, Jan. 15.

Donella, Jesse, assignee: *See*— Schoenwetter, Reinhold D.

Donohue, William J., Aspinwall, Pa. Tank reactor. 2,582,317, Jan. 15.

Donovan, Mary J., executrix: *See*— Donovan, Patrick L.

Donovan, Patrick L., deceased, Peoria, Ill.; M. J. Donovan, executrix. Multiple harrow draft device. 2,582,750, Jan. 15.

Dorr, Carlos V., San Francisco, Calif. Patient handling attachment for bathtubs. 2,582,586, Jan. 15.

Douglas, Homer C., Kansas City, Kans. Power-driven display rack. 2,582,623, Jan. 15.

Douglas, Homer C., Kansas City, Kans. Display rack having movable parts. 2,582,624, Jan. 15.

Dow Chemical Company, The, assignee: *See*— Stober, Kenneth E.

Dow Corning Corporation, assignee: *See*— Hyde, James F. Speier, John L. Speier, John L., Jr.

Doyle, Collin M., Chicago, Ill., assignor to W. J. and W. Podbielniak, Lubricating device. 2,582,901, Jan. 15.

Doyle, James A., Jr., Rome, and G. W. Pirk, Utica, N. Y. Preserved fish worm and solution for and method of preserving fish worms. 2,582,534, Jan. 15.

Dreyfus, Roger, Paris, France. Automatic bottle stopper. 2,582,318, Jan. 15.

Dreischman, Donald F., Los Altos, and H. H. Eaves, Palo Alto, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube structure. 2,582,684, Jan. 15.

Drouot, Gaston C., assignor to Society "La Precision Mecanique," S. A., Paris, France. Fuel injection pump. 2,582,535, Jan. 15.

Du Chene, Delton J.: *See*— Seigh, William J. E. S., and Du Chene.

Duell, Charles H.: *See*— Duell, Edith B. and C. H.

Duell, Edith B. and C. H., Detroit, Mich., said C. H. Duell assignor to said E. B. Duell. Cigarette dispensing container. 2,582,821, Jan. 15.

Dumas, Leonce, Lausanne, Switzerland. Glove. 2,582,240, Jan. 15.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*— Pohle, Eric.

Duncan, Gordon W.: *See*— Zimmer, John C., and Duncan.

Dungler, Julien, Basel, Switzerland. Drying machine for fabrics. 2,582,241, Jan. 15.

Dunn, Roscoe H., Bloomington, Ill. Scaffold end frame. 2,582,625, Jan. 15.

Dvorak, Howard A., Brookfield, Ill., J. W. Juvinall, Indianapolis, Ind., and M. R. Miller, Lombard, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Temperature-controlled soldering iron. 2,582,481, Jan. 15.

Eastman, du Bois, Whittier, Calif., and L. P. Gaucher, Tuckahoe, assignors to The Texas Company, New York, N. Y. Manufacture of synthesis gas. 2,582,938, Jan. 15.

Eaves, Hubert H.: *See*—
Drieschman, Donald F., and Eaves.

Eberl, James J., Piscataway Township, Middlesex County, N. J., assignor to Johnson & Johnson. Cast for orthopedic use. 2,582,242, Jan. 15.

Economy Pumps, Inc., assignee: *See*—
Morey, Carl.

Ecusta Paper Corporation, assignee: *See*—
Haswell, Henry L.

Edel, Walter L.: *See*—
Stemmons, Robert, and Edel.

Edwards, Curtis V., Yakima, Wash., assignor, by mesne assignments, to Deere & Company, Moline, Ill. Subsoil breaker. 2,582,482, Jan. 15.

Efford, John T.: *See*—
Loven, Nils O., and Efford.

Egbert, Manuel, Newton, assignor to Barrie Sportwear, Inc., Boston, Mass. Combination garment. 2,582,772, Jan. 15.

Elde, Guy R., Detroit, Mich. Collapsible display stand. 2,582,243, Jan. 15.

Eisler, Paul, assignor to Hermoplast Limited, London, England. Producing electrical components. 2,582,685, Jan. 15.

Eitel-McCullough, Inc., assignee: *See*—
Drieschman, Donald F., and Eaves.

Electric Storage Battery Company, The, assignee: *See*—
Murphy, Harold P.

Ellis-Foster Company, assignee: *See*—
Robertson, John W.

Ellis, Herbert B.: *See*—
Conzelman, John E., Jr., Ellis, and O'Brien.

Ellis, John D., Troy, Ohio. Pivotal mounting. 2,582,420, Jan. 15.

Ellis, Thomas F., Jr., Westport, Conn. Knitting aid. 2,582,319, Jan. 15.

Emhart Manufacturing Company, assignee: *See*—
Cannon, Madison M., Jr.
Lorenz, Edward H.

Engelhardt, Edward L., Collingdale, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. N-alkylaminopropiophenones. 2,582,587, Jan. 15.

Englert, Robert D., H. J. Gerjovich, and M. Pijoan, Boulder, Colo., assignors to The Chemical Foundation, Inc., New York, N. Y. Insect control with an hydrogenated naphthylamine. 2,582,375, Jan. 15.

Erickson, Oscar H., Puyallup, Wash. Two-cycle engine and pump. 2,582,536, Jan. 15.

Escher, Hans, Wollongong, assignor to Australian Iron & Steel Limited, Sydney, New South Wales, Australia. Pilot or relay valve. 2,582,626, Jan. 15.

Essman, Manuel, New York, N. Y. Stacked container device. 2,582,421, Jan. 15.

Eudora Beltless Specialty Machine Co., Inc., assignee: *See*—
Von Gunten, Albert.

Evans, Harold D., assignor of one-half to H. L. Evans, Kansas City, Mo., and one-half to said H. D. Evans. Garment hanger. 2,582,320, Jan. 15.

Evans, Helen L., assignee: *See*—
Evans, Harold D.

Evans, Howard J., Lancaster, Pa., assignor to Radio Corporation of America. Cathode-ray tube with aluminized screen. 2,582,822, Jan. 15.

Ewald, George W., Short Hills, N. J. Container for coiled ribbons and the like. 2,582,422, Jan. 15.

Excel Corporation, assignee: *See*—
Carbiener, Harvey D.

Fabio, Benjamin, New York, N. Y. Stimulating massage device. 2,582,686, Jan. 15.

Faith-Ell, Lars J., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Grater having rotatable feed means. 2,582,244, Jan. 15.

Farbenfabriken Bayer, assignee: *See*—
Bollmann, Martin, and Kroning.

Farrell, Lura B., Coshocton, Ohio. Backrest for toilet seats. 2,582,321, Jan. 15.

Faximile, Inc., assignee: *See*—
Hester, Frank A.

Federal Motor Truck, assignee: *See*—
Lippard, Thomas R., and Bendure.

Feeney, Thomas A.: *See*—
Northrop, John K., and Feeney.

Feibel, Adolph H.: *See*—
Greenberg, Elbert E., Feibel, and Todd.

Felsa S. A., assignee: *See*—
Meyer, Friedrich.

Fennessy, Edward, Orpington, G. E. Roberts, Stoneleigh, and R. Calvert, New Malden, England. Track control unit. 2,582,588, Jan. 15.

Ferdinand Furniture Company, Inc., assignee: *See*—
McMurtrie, Robert H.

Ferguson, Walker H., Midridge, Mo. Foldable and adjustable gambrel. 2,582,322, Jan. 15.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Soleplate structure for electric steam irons. 2,582,773, Jan. 15.

Firma "Noris" Zund-Licht Aktiengesellschaft, assignee: *See*—
Harsch, Paul, and Rinkel.

Firma Triumph-Werke Nurnberg A. G., assignee: *See*—
Wunderlich, Johann F., and Brandenburg.

Fischer, Paul W., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Rotary drilling fluids. 2,582,323, Jan. 15.

Fisher, Leonard E., Dayton, Ohio. Convertible vehicle. 2,582,687, Jan. 15.

Fitzpatrick, Frank L., East Malvern, assignor to Rocla Limited, Springvale, Victoria, Australia. Prestressing reinforced concrete pipes. 2,582,751, Jan. 15.

Flateboe, Einar I., Everett, Wash. Rechipper with vibrating trough. 2,582,537, Jan. 15.

Fleury, Jack E.: *See*—
Dillman, Earnest J., and Fleury.

Flex-O-Glass, Inc., assignee: *See*—
Warp, Harold.

Flynn, Theodore P., Portland, Oreg., assignor to Isaacson Iron Works, Seattle, Wash. Trenching plow. 2,582,538, Jan. 15.

Foley, Raymond B., assignor to American Blower Corporation, Dearborn, Mich. Dust collector. 2,582,423, Jan. 15.

Folli, Arthur J., Chicago, Ill. Service dish for fruit. 2,582,245, Jan. 15.

Ford, Lloyd J., Baton Rouge, La., assignor to Standard Oil Development Company. Contacting tower construction. 2,582,688, Jan. 15.

Forss, Fritz V.: *See*—
Brown, Ellis M., and Forss.

Fossum, Henry O., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Oiling system for rock drills. 2,582,689, Jan. 15.

Fowkes, Frederick M., Oakland, assignor to Shell Development Company, San Francisco, Calif. Asphalt composition. 2,582,823, Jan. 15.

Fowkes, Frederick M., Oakland, assignor to Shell Development Company, San Francisco, Calif. Bituminous composition. 2,582,824, Jan. 15.

Frachon, Maurice, assignor to Ateliers Neyret-Beylier & Piccard-Pictet, Grenoble, France. Opening-limiting system for turbine regulators. 2,582,825, Jan. 15.

Franklin Research Company, assignee: *See*—
Hausmann, George J., Johnson, and McDermott.

Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Backlash eliminating device. 2,582,690, Jan. 15.

Frary, Francis C., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Producing gallium. 2,582,376, Jan. 15.

Frederick, Carl L., Snyder, assignor to Dictaphone Corporation, New York, N. Y. Record chip removal apparatus. 2,582,939, Jan. 15.

Freitas, Anthony, assignee: *See*—
Toop, Frederick.

Freitas, Rose, assignee: *See*—
Toop, Frederick.

Fricke, Howard H., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Vitamin B_{12} purification process. 2,582,589, Jan. 15.

Fritschi, Walter W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse testing and test impulse generating set. 2,582,691, Jan. 15.

Frykdahl, Carl E. H., assignor to The Coolerator Company, Duluth, Minn. Refrigerator cabinet. 2,582,862, Jan. 15.

Fua, Frederic, assignor to X-Ray Electronic Corporation, New York, N. Y. Method and apparatus for calibration of X-ray gauges. 2,582,774, Jan. 15.

Funke, Lawrence J., assignor to Bar-B-Buns, Incorporated, Cincinnati, Ohio. Sandwich grill. 2,582,692, Jan. 15.

Gailloud, Louis, Geneva, Switzerland. Apparatus for measuring the heat supplied by a flow of liquid at variable temperature. 2,582,324, Jan. 15.

Gangi, Joseph, New York, N. Y. Lock guard. 2,582,424, Jan. 15.

Garbo, Paul W., Freeport, assignor to Hydrocarbon Research, Inc., New York, N. Y. Carrying out endothermic and exothermic reactions. 2,582,246, Jan. 15.

Garden-All Tractor, Inc., assignee: *See*—
Heilman, Glenn A.

Gates Rubber Company, The, assignee: *See*—
White, Thomas F.

Gaucher, Leon P.: *See*—
Eastman, du Bois, and Gaucher.

Gaylord, Jay A., Seattle, Wash. Fish lure. 2,582,627, Jan. 15.

Geernaert, Gustave A., Lawrence, Mass. Tension warp letoff for looms. 2,582,863, Jan. 15.

Geigy, J. R., A. G., assignee: *See*—
Beglinger, Jacques.

Geiser, Edward M., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Tripolymer of a vinyl aromatic compound, a coumarone-indene fraction and material recovered from a hydrocarbon-catalyst sludge. 2,582,425, Jan. 15.

General American Transportation Corporation, assignee: *See*—
Peterson, C. L., Kroff, and Peterson.

General Aniline & Film Corporation, assignee: *See*—
Sargent, Donald E.

General Electric Company, assignee: *See*—
Belsey, Frederick H., and Broadbent.
Finlayson, Frank E.
Lumb, David C., and Pundick.
Mendelsohn, Lewis I.
Nerad, Anthony J.
Newell, Heber L.
Sauer, Robert O.
Young, Charles M.

General Electric Company Limited, The, assignee: *See*—
Land, Leonard E.

General Instruments Inc., assignee: *See*—
Congdon, Richard L.
Perry, Edward G., Jr.

General Steel Castings Corporation, assignee: *See*—
Clarke, Allen W., and Krautheim.

General Tire & Rubber Company, The, assignee: *See*—
Thiry, Leon F.

Gerber Products Company, assignee: *See*—
Burnett, Edward N.

Gerhart, Howard L.: *See*—
Businger, Roger T., and Gerhart.

Gerjovich, Henry J.: *See*—
Englert, Robert D., Gerjovich, and Pijoan.

Giacosa, Dante, Turin, Italy. Automobile suspension system. 2,582,775, Jan. 15.

Gibson, Jefferson C., Chicago, Ill. Safety control system for oil burners. 2,582,827, Jan. 15.

Gittings, William L., L. W. Christianson, and W. C. Johnson, assignors to Gold Medal Folding Furniture Company, Racine, Wis. Detachable flexible seat for folding chairs. 2,582,864, Jan. 15.

Gleason, Anthony H., Westfield, N. J., assignor to Standard Oil Development Company. Polymerization of conjugated diolefins. 2,582,693, Jan. 15.

Gleason Works, assignee: *See*—
Bauer, Oliver F.

Gleitz, Herbert, Euclid, C. E. Miller, East Cleveland, and J. D. Gleitz, Euclid, assignors to The Marquette Metal Products Company, Cleveland, Ohio. Textile mill spindle. 2,582,325, Jan. 15.

Gleitz, Jerome D.: *See*—
Gleitz, Herbert, Miller, and Gleitz.

Glenn Confections, Inc., assignee: *See*—
Williams, Paul A.

Glidden Company, The, assignee: *See*—
Julian, Percy L., Meyer, Schroeder, and Magnani.

Glitsch Engineering Company, assignee: *See*—
Glitsch, Hans C.

Glitsch, Hans C., assignor, by mesne assignments, to Glitsch Engineering Company, Dallas, Tex. Tray for use in refining towers. 2,582,826, Jan. 15.

Gohl, Fred H., assignor to Chicago Blower Corporation, Chicago, Ill. Power-operated ventilator. 2,582,902, Jan. 15.

Goldberg, Morris, Pittsburgh, Pa. Toggle switch operating device. 2,582,379, Jan. 15.

Gold Medal Folding Furniture Company, assignee: *See*—
Gittings, William L., Christianson, and Johnson.

Goodrich, B. F., Company, The, assignee: *See*—
Greene, Howard E.

Goodrich, Hunter C., Jr., Detroit, Mich. Standard impulse noise generator. 2,582,247, Jan. 15.

Goodwill, Frederic C.: *See*—
Massey, Peter J., and Goodwill.

Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Manually operable tool for installing tubular rivets. 2,582,248, Jan. 15.

Gourgues, Albert, Lyon, France. Heating container for rapid preparation of hot drinks. 2,582,865, Jan. 15.

Gray, Edward, assignee: *See*—
Kamler, Benedict R.

Great Lakes Carbon Corporation, assignee: *See*—
Bailey, Bruce L.

Greenberg, Elbert E., and A. H. Feibel, Cincinnati, Ohio, and W. L. Todd, New Smyrna Beach, Fla., assignors to The Kelly-Koett Manufacturing Co., Covington, Ky. X-ray apparatus. 2,582,776, Jan. 15.

Greene, Howard E., Shaker Heights, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Variable rate spring suspension. 2,582,426, Jan. 15.

Greenleaf, Robert M., Grosse Pointe, Mich., assignor to M. L. Trust, F. R. Pendleton, Everett, Wash., as trustee. Device for checking alignment of vehicle wheels. 2,582,427, Jan. 15.

Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Gear hardening machine. 2,582,929, Jan. 15.

Grimod, Yves A., assignor to Society "La Precision Mecanique," S. A., Paris, France. Fuel injection pump for internal-combustion engines. 2,582,539, Jan. 15.

Groenenberg, Maarten J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Tuning apparatus for radio receivers and the like. 2,582,380, Jan. 15.

Grözinger, Alfred, assignor to Robert Bosch G. m. b. H., Stuttgart, Germany. Manufacture of separator plates for electric storage batteries. 2,582,777, Jan. 15.

Gruse, John W., Washington, D. C. Sidewalk door construction. 2,582,540, Jan. 15.

Guanella, Gustav, Zurich, and O. A. Lardelli, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Sweden. Device for producing chemical reactions in a flowing gas by electrical means. 2,582,903, Jan. 15.

Gundlach, Theodore F., Belleville, Ill. Device for severance of rigid materials. 2,582,694, Jan. 15.

Gussow, William A., Hampton, Ga., assignor to Southern States Equipment Corporation. Electric switch. 2,582,326, Jan. 15.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of alumina-platinum-halogen catalyst. 2,582,428, Jan. 15.

Hagen, Glenn E.: *See*—
Williams, Charles R., and Hagen.

Haine, Walter A., Woodbridge, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Powdering polyethylene. 2,582,327, Jan. 15.

Hajos, Joseph L., New York, and G. Vollet, Freeport, N. Y., assignors to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Snap hook for wrist watch bands. 2,582,828, Jan. 15.

Hall Laboratories, Inc., assignee: *See*—
Partridge, Everett P.

Hall, Rolland G., Yalesville, Conn., and S. M. Hill, Sherrill, N. Y., assignors to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Hydraulic actuating mechanism for machining implements. 2,582,328, Jan. 15.

Hallerberg, Theodore W., Chicago, Ill. Pressure sensitive switch. 2,582,483, Jan. 15.

Halloran, Edward J., Hamilton, Ontario, Canada. Automobile stabilizing counterweight. 2,582,628, Jan. 15.

Hankscraft Company, assignee: *See*—
Johnson, Arne B.

Hanze, Arthur R.: *See*—
Marlatt, Paul E., Hanze, McIntosh, and Levin.

Harbison, Lynn, Akron, Ohio, assignor to Phillips Petroleum Company. Production of rubber products. 2,582,829, Jan. 15.

Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preserving rubber and product thereof. 2,582,695, Jan. 15.

Harman, Melvin H., assignor to G. Jay Williard, High Point, N. C. Folding spring unit for sofa beds. 2,582,904, Jan. 15.

Harmon, Cline H., assignor to Waterloo Foundry Company, Waterloo, Iowa. Spark arrester and protector for exhaust pipes. 2,582,905, Jan. 15.

Harr, Jesse, South Orange, N. J. Liquid dispensing unit with vented trap. 2,582,752, Jan. 15.

Harris, Herbert B.: *See*—
Cesaro, Richard S., and Harris.

Harrison, John K. M., Gainesville, Va. Shock resistant container. 2,582,541, Jan. 15.

Harrison-Weise Company, assignee: *See*—
Anderson, Wallace L.

Harsch, Paul, Nurnberg-Elbach, Bavaria, and F. Rinkel, Nurnberg, Bavaria, assignors to Firma "Noris" Zund-Licht Aktiengesellschaft, Bavaria, Germany. Magneto-electric machine. 2,582,866, Jan. 15.

Hart, Norman E., assignor to Toledo Scale Company, Toledo, Ohio. Lever lock. 2,582,484, Jan. 15.

Harter, Isaac, Jr., Beaver, Pa., and G. A. Pugh, Youngstown, Ohio, assignors to The Babcock & Wilcox Tube Company, West Mayfield, Pa. Apparatus for handling continuous castings. 2,582,329, Jan. 15.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Bailey, Christopher E. G.
Boelens, Willem W.
Dammers, Bernhardus G.
Groenenberg, Maarten J.
Hepp, Gerard.
Strutt, Maximiliaan J. O., and van der Ziel.
Van Weel, Adelbert.

Hartough, Howard D.: *See*—
Keyser, Paul V., Jr., Schick, and Hartough.

Hartough, Howard D., Pitman, and J. J. Dickert, Jr., West Collingswood, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylidene-alkoxyarylalkylamines and preparation thereof. 2,582,867, Jan. 15.

Haswell, Henry L., Brevard, assignor, by mesne assignments to Ecusta Paper Corporation, Pisgah Forest, N. C. Winding machine. 2,582,429, Jan. 15.

Hausmann, George J., Merchantville, N. J., B. S. Johnson, Havertown, and C. W. McDermott, assignors to Franklin Research Company, Philadelphia, Pa. Composition and process for coloring citrus fruit. 2,582,868, Jan. 15.

Hautala, John W., Canton, Ohio. Portable electric light with battery charging bracket. 2,582,330, Jan. 15.

Hawley, Charles F., Holden, assignor to Riley Stoker Corporation, Worcester, Mass. Temperature regulation of air heaters. 2,582,830, Jan. 15.

Haythornthwaite, James J., Accrington, assignor to T. M. M. (Research) Limited, Rossendale, England. Doffing mechanism for ring spinning, doubling, and twisting machines. 2,582,696, Jan. 15.

Heeren, Martin H., and M. Camras, assignors to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Making magnetic material. 2,582,590, Jan. 15.

Heilman, Glenn A., Connersville, assignor to Garden-All Tractor, Inc., Liberty, Ind. Garden tractor. 2,582,430, Jan. 15.

Hein, August E., assignor to The Century Machine Company, Cincinnati, Ohio. Cooky making machine. 2,582,542, Jan. 15.

Heldenbrand, Russell C., New Iberia, La. Garbage can rack. 2,582,906, Jan. 15.

Hem, Halvor W., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale poise. 2,582,485, Jan. 15.

Hemphill Company, assignee: *See*—
St. Pierre, Eugene.

Hendel, Joseph A., Queens Village, N. Y. Flexible coupling. 2,582,249, Jan. 15.

Henderson, Albert, Pittsburgh, Pa. Apparatus for molding concrete building segments. 2,582,431, Jan. 15.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Blocking oscillator. 2,582,697, Jan. 15.

Herbelleau, Armand P., assignor to Societe dite: Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Societe Anonyme, Paris, France. Apparatus for emptying reservoirs. 2,582,753, Jan. 15.

Herlec Corporation, assignee: *See*—
Kodama, George T.

Hermoplast Limited, assignee: *See*—
Eisler, Paul.

Herring, Raymond L., Pataskala, Ohio. Milk examining pan. 2,582,432, Jan. 15.

Hershberg, Emanuel B., West Orange, N. J., and A. I. Ryer, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Condenser and condensing. 2,582,250, Jan. 15.

Hertz, Jorgen, Copenhagen, Denmark. Liquid control arrangement for washing machines. 2,582,543, Jan. 15.

Hertzberg Meyer: *See*—
Jelaso, Abraham, Wexler, and Hertzberg.

Hester, Frank A., assignor to Faximile, Inc., New York, N. Y. Logarithmic circuit. 2,582,831, Jan. 15.

Hicks, Arthur G.: *See*—
Hicks, Maxwell K. and A. G.

Hicks, Maxwell K. and A. G., Denver, Colo. Latch for slidable side jaw wrenches. 2,582,591, Jan. 15.

Higginbottom, William E., Newark, N. J., assignor to Benjamin C. Betner Company, Devon, Pa. Opening bags. 2,582,381, Jan. 15.

Hill, Stewart M.: *See*—
Hall, Rolland G., and Hill.

Hilton, A. B., assignor of one-half to Grady Tant, Laurel, Miss. Moisture tester. 2,582,629, Jan. 15.

Hinely, Robert B.: *See*—
Mahlig, Arthur R., and Hinely.

Hirvonen, Eric J., Shrewsbury, assignor to Leland-Gifford Company, Worcester, Mass. Spindle drive for machine tools. 2,582,698, Jan. 15.

Hitchcock, John H., assignor to Morgan Construction Company, Worcester, Mass. Bearing of the oil film type. 2,582,433, Jan. 15.

Hoeffken, Paul W., assignor of one-third to W. M. Hoeffkin and one-third to O. W. Wegener, Belleville, Ill. Removable burner for gas heaters. 2,582,331, Jan. 15.

Hoeffken, William M., assignee: *See*—
Hoeffken, Paul W.

Hoeppner, Conrad H., Washington, D. C. Pulse width discriminator. 2,582,251, Jan. 15.

Hoffman, Alfred E.: *See*—
Bloch, Herman S., and Hoffman.

Hoffman, Alfred E., Claredon Hills, and H. S. Bloch, assignors to Universal Oil Products Company, Chicago, Ill. Production of hydrocarbon drying oils having improved drying characteristics. 2,582,434, Jan. 15.

Hoffman, Robert F., South Orange, N. J. Ski tow rope grip. 2,582,630, Jan. 15.

Hoffmann, Walter, Zurich, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland. Thread guide holder for textile machines. 2,582,778, Jan. 15.

Hoge, Ralph O., assignor to Thomas Rental, Inc., Los Angeles, Calif. Camera head. 2,582,779, Jan. 15.

Hogg, John A., assignor to The Upjohn Company, Kalamazoo, Mich. 2-alkoxyphenethyl-6-carboxycyclohexene-1-one-3 esters and preparing same. 2,582,252, Jan. 15.

Hogg, John A., and A. H. Nathan, assignors to The Upjohn Company, Kalamazoo, Mich. Synthetic estrogens. 2,582,253, Jan. 15.

Holub, Carl, assignee: *See*—
Kaufmann, Karl.

Homer, Charles E., Highland, Ind. Flying saw. 2,582,332, Jan. 15.

Honegger, Pierre P., Conches, Switzerland. Cock. 2,582,631, Jan. 15.

Honeycutt, Connie H., Houston, Tex. Axially collapsing type tire removing hand tool. 2,582,869, Jan. 15.

Hopkins, Richard D., Berkeley, Calif. Bed frame. 2,582,832, Jan. 15.

Horn, Monroe, Corpus Christi, Tex. Matchbox dispenser. 2,582,632, Jan. 15.

Horodeck, William, Elmhurst, N. Y., assignor, by mesne assignments, to Cochrane Corporation, Philadelphia, Pa. Multiport rotary disk valve. 2,582,333, Jan. 15.

Horton Manufacturing Company, assignee: *See*—
Wilcox, Merton F.

Hossenlopp, Arthur M.: *See*—
Crowley, Henry L., and Hossenloop.

Houdaille-Hershey Corporation, assignee: *See*—
Dall, Edward D.
Sebok, Joseph B.

Howard, Edward A., Altadena, Calif. Wheeled carrier. 2,582,435, Jan. 15.

Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Fluidized carbonization of solids. 2,582,712, Jan. 15.

Howell, Lewis J.: *See*—
Peterson, Russell A., and Howell.

Hueber, Carl J., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Punching apparatus. 2,582,780, Jan. 15.

Hunn, James V., Avon Lake, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Preparation of aluminum and magnesium soaps. 2,582,833, Jan. 15.

Hunter, Edward A., Baton Rouge, La., assignor to Standard Oil Development Company. Treatment of silica-alumina containing gels. 2,582,254, Jan. 15.

Huntley, Frederick H., assignor to Motor Wheel Corporation, Lansing, Mich. Thermostatic fuel control system. 2,582,334, Jan. 15.

Hyde, James F., Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich. Rendering ceramic materials water repellent. 2,582,215, Jan. 15.

Hydrocarbon Research, Inc., assignee: *See*—
Garbo, Paul W.

Hyresgästernas Sparkasse-och Byggnadsföreningars Riksförbund u. p. a., assignee: *See*—
Kågefors, Oskar I. A.

I. T. E. Circuit Breaker Company, assignee: *See*—
Caswell, Arthur S.

Iknayan, Alfred N., Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y. Antiskid tread and manufacture. 2,582,701, Jan. 15.

Independent Pneumatic Tool Company, assignee: *See*—
Larson, Gilbert B., and Perham.

Ingerson, William E.: *See*—
Bomberger, David C., Ingerson, and Och.

Innovations, Inc., assignee: *See*—
Boadway, Odber E.

Iron Fireman Manufacturing Company, assignee: *See*—
Webb, Ernest.

Isaacson Iron Works, assignee: *See*—
Flynn, Theodore P.
Larson, Harry D.

Jackson, Corwill, Ludington, Mich. Concrete placement machine. 2,582,486, Jan. 15.

Jackson, John M., Middletown, and V. W. Carpenter, Franklin, Ohio, assignors to Armco Steel Corporation. Production of electrical steel strip. 2,582,382, Jan. 15.

Jacobs, F. L., Co., assignee: *See*—
Burggrabe, Henry A.

Jacomini, Louise M., Hermosa Beach, Calif. Garment protecting attachment for garment hangers. 2,582,633, Jan. 15.

James Manufacturing Co., Inc., assignee: *See*—
De Cesaris, Frederick.

Janniello, Anthony, assignee: *See*—
Belmonte, John.

Jelaso, Abraham, Brooklyn, M. Wexler, New York, and M. Hertzberg, Brooklyn, N. Y. Child's garment with sounding novelty. 2,582,699, Jan. 15.

Jernstrom, Karl W., Verona, N. J., assignor to Seaboard Machinery Corp., New York, N. Y. Metal hatch pontoon. 2,582,436, Jan. 15.

Jewett, Eugene L., Maitland, assignor to Blairs Braces, Inc., Orlando, Fla. Surgical brace. 2,582,930, Jan. 15.

Jezewski, Mieczyslaw and L. Szklarski, Krakow, Poland, assignors to M. Brokman, New York, and W. Szuklewicz, Forest Hills, N. Y. Electromagnetic testing device for steel ropes. 2,582,437, Jan. 15.

Johanning, Henry H., Sheboygan Falls, Wis. Barn gutter cleaner. 2,582,335, Jan. 15.

Johnson, Arne B., assignor to Hankscraft Company, Madison, Wis. Bottle warmer. 2,582,781, Jan. 15.

Johnson, Bayard S.: *See*—
Hausmann, George J., Johnson, and McDermott.

Johnson, Hanna W., Des Moines, Iowa. Deck of playing cards. 2,582,544, Jan. 15.

Johnson & Johnson, assignee: *See*—
Eberl, James J.

Johnson, Theodore F.: *See*—
Creswick, Edward A., and Johnson.

Johnson, William C.: *See*—
Gittings, William L., Christianson, and Johnson.

Jones, Eldon M., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Esters of alpha-piperidino aliphatic acids and their production. 2,582,255, Jan. 15.

Jones, Eldon M., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Esters of alpha-piperidino alpha cyclohexyl acetic acid and their production. 2,582,256, Jan. 15.

Jones, Eldon M., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Esters and obtaining the same. 2,582,257, Jan. 15.

Jones, John P., Jr., Pottstown, assignor to Philco Corporation, Philadelphia, Pa. Television antenna assembly. 2,582,634, Jan. 15.

Jones, Leslie H., assignor to E. L. Bruce Company, Memphis, Tenn. Wood finishing apparatus. 2,582,438, Jan. 15.

Jones, Marvin R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Pipe suspending device. 2,582,700, Jan. 15.

Jones, Walter I., Somerville, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Making caps for fastener members. 2,582,383, Jan. 15.

Jonkopings Mekaniska Werkstads Aktiebolag, assignee: *See*—
Paren, Per.

Julian, Percy L., Maywood, E. W. Meyer, and R. Schroeder, Chicago, and A. Magnani, Wilmette, Ill., assignors to The Glidden Company, Cleveland, Ohio. Preparation and degradation of steroid amines. 2,582,258, Jan. 15.

Juvinall, James W.: *See*—
Dvorak, Howard A., Juvinall, and Miller.

Kågefors, Oskar I. A., Landsbro, assignor to Hyresgästernas Sparkasse-och Byggnadsföreningars Riksförbund u. p. a., Stockholm, Sweden. Device for clinching nails. 2,582,782, Jan. 15.

Kahler, Oscar H., Pueblo, Colo. Boat troller. 2,582,754, Jan. 15.

Kalamazoo Sled Company, The, assignee: *See*—
Sedlacek, Henry J.

Kaltoft, Sigurd, assignor of one-half to George Delfino and Sons, Bakersfield, Calif. Two-way plow. 2,582,337, Jan. 15.

Kamler, Benedict R., South Haven, Mich., assignor to E. Gray, Chicago, Ill. Phonograph mechanism. 2,582,592, Jan. 15.

Kaufmann, Karl, Hofstatt Bei Neulengbach, Austria, assignor of one-fourth to C. Holub, Cincinnati, Ohio. Ear protector. 2,582,907, Jan. 15.

Kautz, Murrell F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Snap switch. 2,582,834, Jan. 15.

Kavanagh, James O., South Norwalk, Conn., assignor to Luxury Gifts, Inc., New York, N. Y. Pneumatic seat and back rest lounging device. 2,582,439, Jan. 15.

Keaton, Frank H., and D. C. Bettison, Omaha, Nebr. Rail flaw detection apparatus. 2,582,440, Jan. 15.

Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,582,702, Jan. 15.

Keene, Shefford L., and R. T. Palmer, Hampton, Va. Pocket hatrack. 2,582,338, Jan. 15.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,582,487, Jan. 15.

Kelly-Koett Manufacturing Co., The, assignee: *See*—
Greenberg, Elbert E., Felbel, and Todd.

Kelsey-Hayes Wheel Company, assignee: *See*—
Potter, Elbert L.

Kenny, Richard J., Yeovil, England. Internal expanding brake. 2,582,755, Jan. 15.

Kenosha Auto Transport Corp., assignee: *See*—
Carey, Clinton C.

Kerian, Louis, Grafton, N. Dak. Portable sorting machine. 2,582,545, Jan. 15.

Keyser, Paul V., Jr., Moorestown, J. W. Schick, Camden, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Water-repellent textile fabrics resistant to fungi and bacteria. 2,582,870, Jan. 15.

Kingsbury, Thomas H.: *See*—
Sax, Leonard B., and Kingsbury.

Kintner, Edwin K., Winnetka, Ill., assignor, by mesne assignments, to The Pfaudler Co., Rochester, N. Y. Heat exchanger. 2,582,871, Jan. 15.

Kinzelman, Gerald W.: *See*—
Bowser, Virgil C., and Kinzelman.

Kipple, William F., near Seattle, Wash. Folding camp trailer. 2,582,635, Jan. 15.

Kirshbaum, Harry T., Hempstead, assignor to Cardwood Products Corp., Bronx, N. Y. Combination hassock table. 2,582,703, Jan. 15.

Klauer Manufacturing Company, assignee: *See*—
Benedict, Louis A., and Klauer.

Klauer, William J.: *See*—
Benedict, Louis A., and Klauer.

Klein, William F., Watertown, N. Y., assignor to The New York Air Brake Company. Automatic charging and vent valve. 2,582,546, Jan. 15.

Kloski, John F., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Sheet feeding mechanism for typewriters or like machines. 2,582,783, Jan. 15.

Knollman, Harry A., Mount Orab, assignor to Krueger and Hudepohl, Cincinnati, Ohio. Cable connector. 2,582,384, Jan. 15.

Knudsen, Peter M., Katonah, N. Y. Scaffold construction. 2,582,385, Jan. 15.

Kodama, George T., assignor to Herlec Corporation, Milwaukee, Wis. Electrical capacitor. 2,582,931, Jan. 15.

Koehring Company, assignee: *See*—
Beckwith, Raymond A.

Komarek-Greaves & Company, assignee: *See*—
Komarek, Gustav, and Chapman.

Komarek, Gustav, and W. J. Chapman, assignors to Komarek-Greaves & Company, Chicago, Ill. Briquettes and making same. 2,582,386, Jan. 15.

Koplin, Harry, and A. R. Slate, assignors to Zephyr Laundry Machinery Company, Chicago, Ill. Apparatus for building up and reducing pressure. 2,582,259, Jan. 15.

Koppers Company, Inc., assignee: *See*—
Brinkema, Robert J.

Koppius, Otto G., White Plains, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Mass spectrometer. 2,582,216, Jan. 15.

Kott, Hermann, West Orange, N. J. Photometric device. 2,582,835, Jan. 15.

Koza, Charles A., Pittsburgh, Pa. Angle drive. 2,582,336, Jan. 15.

Kramer, Saul, Brooklyn, N. Y., assignor of one-fourth to C. M. Palmer, Washington, D. C. Compact. 2,582,593, Jan. 15.

Krautheim, William C.: *See*—
Clarke, Allen W., and Krautheim.

Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—
Hajos, Joseph L., and Vollet.

Krengel, Charles H., Twin Falls, Idaho. Clod crushing roller. 2,582,872, Jan. 15.

Kroenlein, Henry A., Los Angeles, Calif. Beam compass. 2,582,488, Jan. 15.

Kroff, Eugene: *See*—
Peterson, C. L., Kroff, and Peterson.

Kroning, Erwin: *See*—
Bollmann, Martin, and Kroning.

Kronstad, Haavard, Mahoningtown, Pa. Comminuting mill with means for lateral injection of fluid thereinto. 2,582,547, Jan. 15.

Kropa, Edward L.: *See*—
Wohnsiedler, Henry P., and Kropa.

Kropa, Edward L., Old Greenwich, and H. P. Wohnsiedler, Darien, Conn., assignors to American Cyanamid Company, New York, N. Y. Materials produced from a polyethylene melamine. 2,582,594, Jan. 15.

Kropa, Edward L., Old Greenwich, and H. P. Wohnsiedler, Darien, Conn., assignors to American Cyanamid Company, New York, N. Y. Reaction products of a polyethylene melamine and an alkyd resin. 2,582,704, Jan. 15.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing device. 2,582,705, Jan. 15.

Krueger, Henry C., Clear Lake, Iowa. Animal restraining device. 2,582,339, Jan. 15.

Krueger and Hudepohl, assignee: *See*—
Knollman, Harry A.

Krueger, Rudolph E., Burbank, Calif. Pressure sealing bottle cap. 2,582,489, Jan. 15.

Kruse, Conrad E.: *See*—
Kruse, William J. and C. E.

Kruse, William J. and C. E., Hatboro, Pa. Fruit pitter. 2,582,636, Jan. 15.

Kudelski, Stefan M., Geneva, Switzerland. Watch. 2,582,706, Jan. 15.

Kunz, Jacob T., North Hills, assignor to Schulmerich Electronics, Incorporated, Sellersville, Pa. Electric bell tone generator mechanism. 2,582,441, Jan. 15.

Kutik, Louis F., East Paterson, N. J., assignor to St. Regis Paper Company, New York, N. Y. Apparatus for molding thermoplastic materials. 2,582,260, Jan. 15.

Kyle, Samuel C., Berkeley, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Pumping jack. 2,582,836, Jan. 15.

Land, Leonard E., Winchmore Hill, assignor to The General Electric Company Limited, London, England. Thermionic valve integrating circuit. 2,582,490, Jan. 15.

Landis Machine Company, assignee: *See*—
Reimschissel, Charles A., and Davies.

Lansdowne Steel & Iron Company, assignee: *See*—
Shertz, Edward W., and Work.

Lapp, Grover W., assignor to Lapp Insulator Company, Inc., Le Roy, N. Y. Power wrench mechanism for ceramic filter presses. 2,582,442, Jan. 15.

Lapp Insulator Company, Inc., assignee: *See*—
Lapp, Grover W.

Lardelli, Otto A.: *See*—
Guanella, Gustav, and Lardelli.

Larsen, Einer W., Elmhurst, and J. G. Meyer, Cicero, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for straightening round rods or tubes of plastic material. 2,582,491, Jan. 15.

Larson, Gilbert B., Geneva, and J. A. Perham, Aurora, assignors to Independent Pneumatic Tool Company, Chicago, Ill. Flexible spindle for rotary power tools. 2,582,873, Jan. 15.

Larson, Harry D., assignor to Isaacson Iron Works, Seattle, Wash. Portable logging tower. 2,582,548, Jan. 15.

Larzelere, Samuel R., Philadelphia, Pa. Advertising folder. 2,582,908, Jan. 15.

Laurence, Lawton L., Kansas City, Mo., assignor to Standard Oil Development Company. Preparation and use of fluid plugs in oil well cementing. 2,582,909, Jan. 15.

Layte, Ralph R., Westfield, assignor to Purolator Products, Inc., Newark, N. J. Plastic edge type filter. 2,582,340, Jan. 15.

Leake, Thomas C., New York, N. Y. Fuel injector for starting internal-combustion engines. 2,582,637, Jan. 15.

Lee, Ben, Products, Inc., assignee: *See*—
August, William.

Leland-Gifford Company, assignee: *See*—
Allen, Edward K., Jr.
Hirvonen, Eric J.

Lelij, Anton: *See*—
V. Nes, Robbert, and Lelij.

Le Materiel Electrique S. W., assignee: *See*—
David, Roland P. L. M.

Lempco Products, Inc., assignee: *See*—
Blazek, John Y.

Leonard, Louis H., Jr., assignor to Carrier Corporation, Syracuse, N. Y. Safety control for absorption refrigeration machines. 2,582,837, Jan. 15.

Leonard, Louis H., Jr., assignor to Carrier Corporation, Syracuse, N. Y. Control mechanism for absorption refrigeration systems. 2,582,838, Jan. 15.

Lev, Harry, Chicago, Ill. Hat. 2,582,492, Jan. 15.

Leveke, Chester I., Des Moines, Iowa. Adjustable tongue for motorless vehicles. 2,582,595, Jan. 15.

Levers, James F., and R. V. Patchett, Spondon, near Derby, England, assignors to Celanese Corporation of America. Electrical device. 2,582,341, Jan. 15.

Levers, James F., and R. V. Patchett, Spondon, near Derby, England, assignors to Celanese Corporation of America. Weaving electrical resistance devices. 2,582,342, Jan. 15.

Levin, Robert H.: *See*—
Marlatt, Paul E., Hanze, McIntosh, and Levin.

Lewis, Morgan J., Philadelphia, Pa. Meter trough and box. 2,582,638, Jan. 15.

Light, George G., Searsdale, and W. B. Blanton, Rockville Centre, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph switching system with sequence message numbers checking. 2,582,707, Jan. 15.

Lilley, Arthur, Boreham Wood, England. Variable resistance. 2,582,342, Jan. 15.

Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Separation of hydrocarbons. 2,582,443, Jan. 15.

Lippard, Thomas R., Gaylord, and J. E. Bendure, assignors to Federal Motor Truck, Detroit, Mich. Motorcar fender with movable section. 2,582,839, Jan. 15.

Lippincott, Samuel B., Westfield, N. J., and A. H. Popkin, New York, N. Y., assignors to Standard Oil Development Company. Lubricating oil additives. 2,582,708, Jan. 15.

Ljungberg, Ture A., Stuvsta, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement for adapting the speed of take-up to the speed of feed in producing thread or tape material with originally low mechanical strength. 2,582,639, Jan. 15.

Lloyd, Eldon E., Maryville, Mo. Automobile tire chain. 2,582,493, Jan. 15.

Lockheed Aircraft Corporation, assignee: *See*—
Beman, Ward W., and Weaver.
Messinger, Bernard L.
Price, Nathan C.

Loeb, Jacob H., Milwaukee, Wis. Cribbage board. 2,582,874, Jan. 15.

Logan, Chas. E., assignee: *See*—
Mourfield, Carl L.

Longenecker, Joseph B., Granite City, Ill., assignor to Union Starch & Refining Company, Columbus, Ind. Caramel color manufacture. 2,582,261, Jan. 15.

Looser, Gottlieb, Zurich, Switzerland. Coin-operated fuel issuing machine. 2,582,549, Jan. 15.

Lorenz, Edward H., West Hartford, Conn., assignor to Embart Manufacturing Company. Glassware inspecting machine. 2,582,494, Jan. 15.

Loven, Nils O., Monroe, and J. T. Efford, Stratford, assignors to Bridgeport Brass Company, Bridgeport, Conn. Dispensing apparatus. 2,582,262, Jan. 15.

Lowe, William B.: *See*—
Stanley, Richard W., and Lowe.

Lucht, Donald C., Harrington, Wash. Cam actuated slidable jaw wrench. 2,582,444, Jan. 15.

Ludwig, Walter, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Garment hanger. 2,582,495, Jan. 15.

Lumb, David C., and B. Pundick, Schenectady, N. Y., assignors to General Electric Company. Torque dynamometer. 2,582,784, Jan. 15.

Luppold, George W., assignor to Sullivan Bros., Lowell, Mass. Ticket pad and dispensing tray therefor. 2,582,785, Jan. 15.

Lustbader, Melvin H., New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J. Hectograph master sheet. 2,582,932, Jan. 15.

Luxury Gifts, Inc., assignee: *See*—
Kavanagh, James O.

Lyon, George A., Detroit, Mich. Shoe. 2,582,910, Jan. 15.

MacGregor, Forbes: *See*—
Trumbour, George P., and MacGregor.

MacGregor Instrument Company, assignee: *See*—
Trumbour, George P., and MacGregor.

Mackenzie, Dorothy E.: *See*—
Wolfe, George H., and Mackenzie.

Macneish, Thomas S., Pointe a Pierre, Trinidad, British West Indies. Liquid metering device. 2,582,387, Jan. 15.

MacRae, Duncan, Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Phase detector circuit. 2,582,596, Jan. 15.

Maddox, Claude, Flemingsburg, Ky. Castrating band applying tool. 2,582,640, Jan. 15.

Madore, Arthur H., Los Angeles, Calif. Hair curler. 2,582,550, Jan. 15.

Magnani, Arthur: *See*—
Julian, Percy L., Meyer, Schroeder, and Magnani.

Magnavox Company, The, assignee: *See*—
Olson, Ray G.

Mahlig, Arthur R., and R. B. Hinely, Orlando, Fla. Sprayer. 2,582,445, Jan. 15.

Malby, Seth G., Edgewater, N. J. Mirror. 2,582,786, Jan. 15.

Malherbe, Gerhardus L., Snider-Paarl, Cape Province, Union of South Africa. Shoe heel structure. 2,582,551, Jan. 15.

Mansfield, Edward H., Chicago, Ill. Filter. 2,582,388, Jan. 15.

Mansfield Sanitary Pottery Inc., assignee: *See*—
Smith, Harry F.

Marble, Jarvis C., trustee, assignee: *See*—
Wahlsten, Gösta L. B., and Boestad.

Marco, Frederick J., Des Plaines, Ill. Brush having bristle cleaning apertures. 2,582,552, Jan. 15.

Marlatt, Paul E., A. R. Hanze, A. P. McIntosh, Jr., and R. H. Levin, assignors to The Upjohn Company, Kalamazoo, Mich. Hydrolysis of steroid epoxides. 2,582,263, Jan. 15.

Marquette Metal Products Company, The, assignee: *See*—
Gleitz, Herbert, Miller, and Gleitz.

Martin, Eugene, Wesleyville, Pa., assignor to Read Standard Corporation. Feed mechanism. 2,582,709, Jan. 15.

Martin, Homer V., Lincoln, Nebr. Electric cord housing. 2,582,787, Jan. 15.

Martin, Homer Z., Roselle, N. J., assignor to Standard Oil Development Company. Conversion of carbonaceous solids into volatile products. 2,582,710, Jan. 15.

Martin, Homer Z., Roselle, and I. Mayer, Summit, N. J., assignors to Standard Oil Development Company. Regeneration of Fischer-Tropsch catalyst. 2,582,713, Jan. 15.

Martinet, Eugene F., assignor to Royal Vacuum Cleaner Company, Cleveland, Ohio. Airtight tubular coupling. 2,582,446, Jan. 15.

Massey, Peter J., River Forest, Ill., and F. C. Goodwill, Watertown, assignors to St. Regis Paper Company, New York, N. Y. Deinking and bleaching of paper. 2,582,496, Jan. 15.

Masson Scott & Company Limited, assignee: *See*—
Battersby, James E.

Mathews, Ray V., Ottumwa, Iowa, assignor to Swift & Company, Chicago, Ill. Storage bin structure. 2,582,641, Jan. 15.

Maullin, Leonard: *See*—
Schwimmer, William E., and Maullin.

Maxfield, Henry J., Westerville, Ohio. Skein holder. 2,582,497, Jan. 15.

Maxwell, Charles S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Sizing fibrous materials with modified urea-formaldehyde resin. 2,582,840, Jan. 15.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Broiler burner and radiant screen for gas cooking ranges. 2,582,642, Jan. 15.

Mayer, Ivan: *See*—
Martin, Homer Z., and Mayer.

McCabe-Powers Auto Body Co., assignee: *See*—
Balogh, Roy O.

McCaskey Register Company, The, assignee: *See*—
West, Fletcher L.

McCaskie, William, New Bedford, Mass., assignor to William McCaskie, Inc. Reel. 2,582,597, Jan. 15.

McCaskie, William, Inc., assignee: *See*—
McCaskie, William.

McDermott, Charles W.: *See*—
Hausmann, George J., Johnson, and McDermott.

McDonald, Fletcher M., Portland, Oreg. Aluminum creel. 2,582,875, Jan. 15.

McDonnell, Randall L., Hattiesburg, Miss. Carburetor system. 2,582,389, Jan. 15.

McEwan, James J., assignor to The Batesville Casket Company, Batesville, Ind. Casket construction. 2,582,841, Jan. 15.

McGuire, Wayne, Berkeley, Calif. Smoking accessory. 2,582,598, Jan. 15.

McIntosh, A. V., Jr.: *See*—
Marlatt, Paul E., Hanze, McIntosh, and Levin.

McKeever, Eloy C., assignor of one-half to F. A. Dapolonia, Des Moines, Iowa. Lineal measuring device for elongated objects. 2,582,644, Jan. 15.

McKinley, Orman O., Indianapolis, Ind. Awning or jalousie. 2,582,448, Jan. 15.

McMillan, Frank M., and D. E. Winkler, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Softening agent for rubber and resultant rubber composition. 2,582,264, Jan. 15.

McMurtrie, Robert H., assigned to Ferdinand Furniture Company, Inc., Huntingburg, Ind. Sectional toy furniture. 2,582,553, Jan. 15.

McNeill, Robert M.: *See*—
Schneck, Frederick W., and McNeill.

Meier, Edwin H., Tulsa, Okla., assignor to Standard Oil Development Company. Automatic volume control time response switching. 2,582,714, Jan. 15.

Melnig, Friedrich, Goettingen, Germany. Optical projecting precision balance. 2,582,876, Jan. 15.

Mekler, Lev A., Chicago, Ill. Valve closure. 2,582,877, Jan. 15.

Melamed, Sidney: *See*—
Croxall, Willard J., and Melamed.

Mendelsohn, Lewis I., Lynn, Mass., assignor to General Electric Company. Magnetic suspension for horizontal shafts. 2,582,788, Jan. 15.

Mendelsohn, William A., Chicago, Ill. Sunglasses. 2,582,554, Jan. 15.

Merrill, David R.: *See*—
Vaughan, James L., and Merrill.

Merrill, Josiah L., Jr., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative impedance repeater and loading system. 2,582,498, Jan. 15.

Merrill, Leslie M., trustee assignee: *See*—
Wahlsten, Gösta L. B., and Boestad.

Messerschmidt, Henry L., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical test circuit. 2,582,499, Jan. 15.

Messinger, Bernard L., Pacific Palisades, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft heating system. 2,582,842, Jan. 15.

Metals & Controls Corporation, assignee: *See*—
Schrumn, Jewett F.

Metcalf, Alpha H., Plainville, assignor to L. S. Peterson Company, North Attleboro, Mass. Bracelet. 2,582,878, Jan. 15.

Mettler, Matilda M., Fort Wayne, Ind. Dress. 2,582,643, Jan. 15.

Meyer, Edwin W.: *See*—
Julian, Percy L., Meyer, Schroeder, and Magnani.

Meyer, Elsie: *See*—
Braunwalder, John, and Meyer.

Meyer, Friedrich, assignor to Felsa S. A., Grenchen, Switzerland. Calendar timepiece. 2,582,879, Jan. 15.

Meyer, John G.: *See*—
Larsen, Einer W., and Meyer.

Meyers, Henry, Norwalk, Conn. Handbag. 2,582,447, Jan. 15.

Mikulic, Milos N., Jackson County, Mo. Cleaning accessory for radiator systems. 2,582,880, Jan. 15.

Millar, John R., Reno, Nev., R. J. Stack, Grosse Pointe, and C. J. Davies, assignors to National Automotive Fibres, Inc., Detroit, Mich. Apparatus for producing seat pads. 2,582,449, Jan. 15.

Miller, Charles E.: *See*—
Gleitz, Herbert, Miller, and Gleitz.

Miller, Donald D.: *See*—
Schnippel, Edward V. and N. F., and Miller.

Miller, Edward R., Oakland, assignor to Pillar Furniture Manufacturing Co., San Lorenzo, Calif. Sectional divan. 2,582,555, Jan. 15.

Miller, Hugh A.: *See*—
Curry, Harold E., and Miller.

Miller, Ida, L., executrix: *See*—
Miller, Max C.

Miller, Max C., deceased, Cumberland, R. I.; I. L. Miller executrix. Stocking blank and knitting. 2,582,756, Jan. 15.

Miller, Merton R.: *See*—
Dvorak, Howard A., Juvinall, and Miller.

Milliken, Edward C., Bowerston, and J. M. Roth, Uhrichsville, assignors to The Bowerston Shale Company, Bowerston, Ohio. Tile perforating machine. 2,582,645, Jan. 15.

Milton, Josephine E., Ferguson, Mo. Catamenial pad. 2,582,344, Jan. 15.

Mims, Samuel S., Atlanta, Ga. Dehorning device. 2,582,450, Jan. 15.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Kautz, Murrell F.

Minnesota and Ontario Paper Company, assignee: *See*—
Barrett, William H., and Asdell.

Mitchell, Frederick G., London, England. Carrier-type endless conveyer. 2,582,881, Jan. 15.

Moeller, William C., assignor, by mesne assignments, to Parmelee Plastics Company, Kansas City, Mo. Eyeshield structure. 2,582,345, Jan. 15.

Moller, Wharton E., Los Fresnos, Tex. Automatic cigarette lighter. 2,582,882, Jan. 15.

Monroe, Kenneth P., Boston, assignor to Standard Dyewood Company, Medford, Mass. Synthetic resins from natural polyhydroxy phenols. 2,582,265, Jan. 15.

Monroe, Kenneth P., Boston, assignor to Standard Dyewood Company, Medford, Mass. Surface coating compositions containing ethers of catechol type of tanning agent. 2,582,500 Jan. 15.

Monroe, Kenneth P., Boston, assignor to Standard Dyewood Company, Medford, Mass. Synthetic resins from natural polyhydroxy phenols. 2,582,266, Jan. 15.

Monsanto Chemical Company, assignee: *See*—
Beaver, David J.
Chadwick, David H.
Harman, Marion W.
Zerbe, Richard O.

Montclair Research Corporation, assignee: *See*—
Robertson, John W.

Moody, Norman F.: *See*—
Williams, Frederic C., and Moody.

Moore, Albert J., Watchung, assignor to The Thomas & Betts Co., Elizabeth, N. J. Conductor protector. 2,582,267, Jan. 15.

Moore, Earl W., Oelwein, Iowa, assignor to E. W. Moore and H. A. Wardell, doing business as Wardell-Moore Machine Company. Tire removing apparatus of the percussion type. 2,582,390, Jan. 15.

Moore Electronic Laboratories, Incorporated, assignee: *See*—
Bordewieck, Robert W., Roebuck, and Sleeper.

Moore, Lou Q., Pueblo, Colo. Spike retaining device. 2,582,757, Jan. 15.

Moore, Norman C., West Newbury, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Work holder for riveting machines. 2,582,501, Jan. 15.

Moore, Robert S., Lancaster, Pa., assignor to Radio Corporation of America. Contact spaced target-mesh assembly for television pickup tubes. 2,582,843, Jan. 15.

Moore, Warren H., Bennington, Vt. Fish lure. 2,582,646, Jan. 15.

Morey, Carl, assignor to Economy Pumps, Inc., Hamilton, Ohio. Electrohydraulic valve operating mechanism. 2,582,556, Jan. 15.

Morgan Construction Company, assignee: *See*—
Hitchcock, John H.

Morgan, Thomas D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Indicating changes in the composition of a gas. 2,582,647, Jan. 15.

Morris, John M., Atlanta, Ga. Fountain pen. 2,582,391, Jan. 15.

Morrison, Willard L., Highland Park, Ill. Food freezing apparatus. 2,582,789, Jan. 15.

Motor Wheel Corporation, assignee: *See*—
Huntley, Frederick H.

Mourfield, Carl L., assignor to C. E. Logan, Dallas, Tex. Pneumatically actuated marble game apparatus. 2,582,844, Jan. 15.

Mowbray, Douglas T., Waterloo, Iowa. Protective sock with tubular marginal air enclosure having valve means. 2,582,648, Jan. 15.

Mullen, Theodore E.: *See*—
Powell, George M., 3rd, and Mullen.

Mullinix, Charles D., Los Angeles, Calif. Cooky bag. 2,582,346, Jan. 15.

Mureau, Charles A., Van Nuys, Calif. Retractable applicator. 2,582,451, Jan. 15.

Murphy, Harold P., Ridley Park, Pa. assignor to The Electric Storage Battery Company. Reducing local action in lead acid storage batteries. 2,582,845, Jan. 15.

Murray, Robert C., assignor to Rubber & Tire Materials Company, Dallas, Tex. Curing tube. 2,582,715, Jan. 15.

Myers, Harold C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Modified double solvent treatment. 2,582,883, Jan. 15.

N. V. Octrooien Maatschappij "Activit," assignee: *See*—
Ramondt, Dirk.

Nagler, Raymond J., Seattle, Wash. Flap holder. 2,582,502, Jan. 15.

Nathan, Alan H.: *See*—
Hogg, John A., and Nathan.

National Automotive Fibres, Inc., assignee: *See*—
Millar, John R., Stack, and Davies.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
MacRae, Duncan, Jr.
Neher, Henry V.
Phelan, John K.
Pound, Robert V.
Ruge, Arthur C.
Sherwin, Chalmers W.
Wolfe, Richard C., and Boyle.

Neher, Harry T., Bristol, E. H. Specht, Philadelphia, and A. Neuman, North Hills, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of acrylic esters. 2,582,911, Jan. 15.

Neher, Henry V., Pasadena, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Microwave amplifier. 2,582,846, Jan. 15.

Nelson, Edwin M., Hayward, Wis. Trailer caster. 2,582,716, Jan. 15.

Nelson, Karl J., Cranford, N. J., assignor to Standard Oil Development Company. Fluidized carbonization process. 2,582,711, Jan. 15.

Nerad, Anthony J., Alplaus, N. Y., assignor to General Electric Company. Welding. 2,582,268, Jan. 15.

Neuman, Andrew: *See*—
Neher, Harry T., Specht, and Neuman.

New Britain Machine Company, The, assignee: *See*—
Gridley, George O.

Newell, Heber L., Malvern, N. Y., assignor to General Electric Company. Supervised electrical alarm. 2,582,790, Jan. 15.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Planographic printing. 2,582,347, Jan. 15.

New York Air Brake Company, The, assignee: *See*—
Klein, William F.

Nicol, Herbert E., Milwaukee, Wis. Cooking range hood. 2,582,884, Jan. 15.

Nielson, Jack, Los Angeles, Calif. Corrugated sheet metal cutter. 2,582,933, Jan. 15.

Nordheim, Henry F.: *See*—
Berridge, Thomas W., and Nordheim.

Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Seat mounting for theater chairs or the like. 2,582,599, Jan. 15.

Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Seat mounting for theater chairs or the like. 2,582,600, Jan. 15.

Northrop Aircraft, Inc., assignee: *See*—
Northrop, John K., and Feeney.
Schoellerman, Alvin L.
Schwartz, Albert M., and Sonneborn.
Taylor, Philip H.
Williams, Charles R., and Hagen.

Northrop, John K., and T. A. Feeney, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Control system for aircraft control surfaces. 2,582,348, Jan. 15.

Norton Company, assignee: *See*—
Swainey, Homer L.
Van der Pyl, Edward.

Oberman, Roelof M. M., The Hague, Netherlands. Selecting system. 2,582,349, Jan. 15.

O'Brien, Clayton W.: *See*—
Conzelman, John E., Jr., Ellis, and O'Brien.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio beacon system. 2,582,350, Jan. 15.

Och, Henry G.: *See*—
Bomberger, David C., Ingerson, and Och.

Oehler, William P., assignor to Deere & Company, Moline, Ill. Covering means for planting attachments. 2,582,503, Jan. 15.

Oftedahl, John, Antioch, Ill. Stopper pull. 2,582,269, Jan. 15.

Ohio Brass Company, The, assignee: *See*—
Bovard, William P.

Oldham, Anthus D., Harvey, and F. J. Sabia, South Holland, assignors to Whiting Corporation, Harvey, Ill. Tilting mechanism for foundry ladles and the like. 2,582,912, Jan. 15.

O'Leary, Charles M., Los Angeles, Calif. Hydraulic drilling mechanism. 2,582,217, Jan. 15.

Oliveros, Reginald P., Williston Park, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Blue gas set. 2,582,847, Jan. 15.

Olson, Harry S., and R. C. Danison, Painesville, assignors to Diamond Alkali Company, Cleveland, Ohio. Transparent, flame-resistant polystyrene. 2,582,452, Jan. 15.

Olson, Oscar A., Ames, Iowa. Adjustable head T square. 2,582,649, Jan. 15.

Olson, Ray G., Glenview, Ill., assignor to The Magnavox Company, Fort Wayne, Ind. Alternating current plunger type solenoid. 2,582,351, Jan. 15.

Olson, Roy H., Marion, Iowa, assignor to Collins Radio Company. Control apparatus. 2,582,270, Jan. 15.

Orthopedic Frame Company, assignee: *See*—
Stryker, Homer H.

O'Shaughnessy, Roy W., Lockport, N. Y. Dispensing apparatus. 2,582,352, Jan. 15.

Oster, John, Manufacturing Company, assignee: *See*—
Brown, Ellis M., and Forss.

Owens-Corning Fiberglas Corporation, assignee: *See*—
Biefeld, Lawrence P.

Page, Earl L., Nashville, Ind. Vertically adjustable table. 2,582,791, Jan. 15.

Page, Robert M., Washington, D. C. Wave form converter. 2,582,271, Jan. 15.

Palik, Frank, Kensington, Md. Multiple liquid processing container. 2,582,601, Jan. 15.

Palkman, Waldemar B., Sacramento, Calif. Whatnot shelf. 2,582,557, Jan. 15.

Palmer, Charles M., assignee: *See*—
Kramer, Saul.

Palmer, Richard T.: *See*—
Keene, Shefford L., and Palmer.

Pamp, Clarence T., Jr., Shanks Village, N. Y., assignor, by mesne assignments, to Specialties Development Corporation, Belleville, N. J. Filter pack. 2,582,272, Jan. 15.

Pangborn Corporation, assignee: *See*—
Keefer, Walter L.

Paren, Per, assignor to Jonkopings Mekaniska Werkstads Aktiebolag, Jonkoping, Sweden. Treating waste liquor from paper. 2,582,792, Jan. 15.

Parke, Davis & Company, assignee: *See*—
Jones, Eldon M.

Parmelee Plastics Company, assignee: *See*—
Moeller, William C.

Parquette, Amle, Woodstock, Ill. Opening and closing mechanism for windows. 2,582,558, Jan. 15.

Parsons, John B., Spokane, Wash. Auxiliary drinking cup. 2,582,934, Jan. 15.

Partridge, Everett P., Beaver, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Milk protein products and process. 2,582,353, Jan. 15.

Patchett, Richard V.: *See*—
Levers, James F., and Patchett.

Patent License Corporation, assignee: *See*—
Arenberg, Albert L.

Patton, James D., Windber, Pa. Clothes rack for vehicles. 2,582,650, Jan. 15.

Paul, Edwin R.: *See*—
Backburn, George F., and Paul.

Paysinger, Jesse A., Cuyama, assignor of thirty-five per cent to L. E. Scurlock, Maricopa, Calif. Magnetic fishing tool. 2,582,602, Jan. 15.

Pearson, Elmer O., Burton, Wash. Variable pitch propeller. 2,582,559, Jan. 15.

Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques: *See*—
Torchet, Pierre.

Pelcé, Henri, assignor to Societe dite: Saint Freres (Societe Anonyme), Paris, France. Circular loom for the production of closely woven fabrics. 2,582,392, Jan. 15.

Pelton Water Wheel Company, The, assignee: *See*—
Kyle, Samuel C.

Pendleton, F. R., trustee, assignee: *See*—
Greenleaf, Robert M.

Perham, James A.: *See*—
Larson, Gilbert B., and Perham.

Perilli, Louis, Waltham, Mass. Carton blank handling machine. 2,582,393, Jan. 15.

Perry, Edward G., Jr., Dallas, Tex., assignor to General Instruments Inc. Method and apparatus for recording vibrational data. 2,582,793, Jan. 15.

Petersén, Wilhelm H., assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Alternating current motor. 2,582,652, Jan. 15.

Peterson, C. Lynn, E. Kroff, and C. J. Peterson, Salt Lake City, Utah, assignors, by mesne assignments, to General American Transportation Corporation. Filter. 2,582,273, Jan. 15.

Peterson, Clarence J.: *See*—
Peterson, C. Lynn, Kroff, and Peterson.

Peterson, John G., Bridgeport, Conn. Dual vision rear view mirror. 2,582,651, Jan. 15.

Peterson, L. S., Company, assignee: *See*—
Metcalf, Alpha H.

Peterson, Russell A., Berkeley, and L. J. Howell, Oakland, Calif. Adjustable metal straightener and anvil. 2,582,560, Jan. 15.

Peterson, Thomas F., assignee: *See*—
Runde, Kenneth R.

Peyches, Ivan, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Apparatus for the production of fibers, in particular glass fibers. 2,582,561, Jan. 15.

Pfaudler Co., The, assignee: *See*—
Kintner, Edwin K.

Pfefferle, Jack I., Baltimore, Md. Safety razor blade. 2,582,913, Jan. 15.

Phelan, John K., Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Circuit for neutralization of frequency divider chains. 2,582,603, Jan. 15.

Philco Corporation, assignee: *See*—
Jones, John P., Jr.

Phillips Laboratories, Inc., assignee: *See*—
Koppius, Otto G.

Phillips Petroleum Company, assignee: *See*—
Harbison, Lynn.
Morgan, Thomas D.
Prentiss, Spencer S.
Prentiss, Spencer S., and Sperberg.

Pickford, Jack: *See*—
Ardito, William A., and Pickford.

Pierce, Roy M., Spokane, Wash. Windshield wiper. 2,582,717, Jan. 15.

Pijoan, Michel: *See*—
Englert, Robert D., Gerjovich, and Pijoan.

Pillar Furniture Manufacturing Co., assignee: *See*—
Miller, Edward R.

Pineus, Alexis G., Worcester, assignor to American Optical Company, Southbridge, Mass. Absorbing glass and making same. 2,582,453, Jan. 15.

Pirk, Gustav W.: *See*—
Doyle, James A., Jr., and Pirk.

Pittsburgh Corning Corporation, assignee: *See*—
Shoemaker, Montgomery J.

Pittsburgh Plate Glass Company, assignee: *See*—
Businger, Roger T., and Gerhart.

Planiol, René, assignor to Pluro, Inc., New York, N. Y. Magnetic separator. 2,582,274, Jan. 15.

Pluro, Inc., assignee: *See*—
Planiol, René.

Podbielniak, Walter J., assignee: *See*—
Doyle, Collin M.

Podbielniak, Wladzia, assignee: *See*—
Doyle, Collin M.

Poetzsch, James L., Baltimore, Md. Adjustable lettering pen for scribers. 2,582,275, Jan. 15.

Pohle, Eric, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Cathode grid assembly. 2,582,454, Jan. 15.

Poor & Company, assignee: *See*—
Chester, Allan E., and Reisinger.

Popkin, Alexander: *See*—
Lippincott, Samuel B., and Popkin.

Porter, Charles A., and G. W. Rollin, assignors to The Pure Oil Company, Chicago, Ill. Vaporizing sulfur. 2,582,794, Jan. 15.

Potter, Elbert L., Davenport, Iowa, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Steering mechanism. 2,582,455, Jan. 15.

Pound, Robert V., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Apparatus for broad-band radio transmission. 2,582,604, Jan. 15.

Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Slide fastener. 2,582,456, Jan. 15.

Powell, George M., 3rd, South Charleston, and T. E. Mullen, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Dispersions of vinyl chloride resins. 2,582,354, Jan. 15.

Power Brake Equipment Co., assignee: *See*—
Williams, Norman C.

Power Jets (Research and Development) Ltd., assignee: *See*—
Weir, Robert H.

Powers, Frank M., River Forest, Ill. Porch shade. 2,582,276, Jan. 15.

Powlison, Neil C., U. S. Army, Council Bluffs, Iowa. Person alerting device. 2,582,277, Jan. 15.

Prasser, Alois: *See*—
Russell, John R. K., and Prasser.

Prentiss, Spencer S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Processing rubber. 2,582,278, Jan. 15.

Prentiss, Spencer S., and L. R. Sperberg, Bartlesville, Okla., assignors to Phillips Petroleum Company. Organocobalt chelates as accelerators of vulcanization. 2,582,795, Jan. 15.

Price, Nathan C., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft power plant and cabin pressurizing system. 2,582,848, Jan. 15.

Pugh, George A.: *See*—
Harter, Isaac, Jr., and Pugh.

Pundick, Boris: *See*—
Lumb, David C., and Pundick.

Pure Oil Company, The, assignee: *See*—
Porter, Charles A., and Rollin.
Terrell, Charles F., Jr.

Purolator Products, Inc., assignee: *See*—
Layte, Ralph R.

Radio Corporation of America, assignee: *See*—
Evans, Howard J.
Moore, Robert S.
Rose, Albert.

Ragland, Douglas, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Drill stem testing device. 2,582,718, Jan. 15.

Ramondt, Dirk, Bloemendaal, assignor to N. V. Octrooien Maatschappij "Activit," Amsterdam, Netherlands. Phenylene diamine-formaldehyde resin preparation. 2,582,849, Jan. 15.

Ramsey, George H., Tulsa, Okla., assignor to Standard Oil Development Company. Oil well formation tester. 2,582,719, Jan. 15.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Vehicle door panel structure. 2,582,394, Jan. 15.

Ratner, Allan, Newark, N. J. Date-reminder sheet. 2,582,355, Jan. 15.

Rauhut, John R., Chicago, Ill. Ventilating device. 2,582,356, Jan. 15.

Rauland Corporation, The, assignee: *See*—
Szegho, Constantin S.

Read Standard Corporation, assignee: *See*—
Martin, Eugene.

Reed, Adelbert B., Newton Center, Mass. Power can opener. 2,582,504, Jan. 15.

Reed, John K., Charlevoix, Mich. Vehicle ventilating device. 2,582,914, Jan. 15.

Reed, Robert D.: *See*—
Zink, John S., and Reed.

Reed Roller Bit Company, assignee: *See*—
Del'Homme, Daniel L.
Stokes, John C.

Reid, Ebenezer E.: *See*—
Richter, Frederick P., and Reid.

Reid, George H., Braunstone, near Leicester, England. Attitude-indicating instrument for air and other craft. 2,582,796, Jan. 15.

Reimschissel, Charles A., and H. E. Davies, assignors to Landis Machine Company, Waynesboro, Pa. Centering device for pipe-threading machines. 2,582,279, Jan. 15.

Reisinger, Frederick F.: *See*—
Chester, Allan E., and Reisinger.

Rental, Thomas, Inc., assignee: *See*—
Hoge, Ralph O.

Rettinger, Leonard, assignee: *See*—
Aftieri, Onorino.

Rexford Paper Company, assignee: *See*—
Westphal, Walter.

Reynolds, Earl C., Detroit, Mich. Feeder. 2,582,505, Jan. 15.

Rice, Frederick H., Van Nuys, Calif. Telephone tray and retractable memo pad. 2,582,562, Jan. 15.

Richter, Emil C., St. Louis, Mo. Bending machine for plywood or composition board. 2,582,653, Jan. 15.

Richter, Frederick P., Woodbury, N. J., and E. E. Reid, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Condensation of beta-hydroxyethyl sulfides with compounds containing hydroxyl groups. 2,582,605, Jan. 15.

Riddle, Don, Fairfax, Calif. Drawer pull gauge. 2,582,606, Jan. 15.

Riddle, Harry J.: *See*—
Walker, Allan B., and Riddle.

Rigby, George W., Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Ointments containing oil-soluble antioxidants. 2,582,395, Jan. 15.

Riley Stoker Corporation, assignee: *See*—
Hawley, Charles F.

Rinkel, Franz: *See*—
Harsch, Paul, and Rinkel.

Rinne, August W., Steinauer, Nebr. Mower teeth sharpener. 2,582,607, Jan. 15.

Roberts, Graham E.: *See*—
Fennessy, Edward, Roberts, and Calvert.

Roberts, Samuel S., New Haven, Conn. Broiler. 2,582,720, Jan. 15.

Roberts, Wert E., La Junta, assignor of 50 per cent to R. F. Cadwallader, Rocky Ford, Colo. Bobby pin holder and opener. 2,582,457, Jan. 15.

Robertson, John D., Taunton, Mass. Curved expander roll. 2,582,280, Jan. 15.

Robertson, John W., Englewood, N. J., assignor of one-half to Ellis-Foster Company, and one-half to Montclair Research Corporation. Electric field heat treatment of liquids. 2,582,281, Jan. 15.

Robishaw, Earl J.: *See*—
Yancey, John R., and Robishaw.

Rocky Mountain Metal Products Co., assignee: *See*—
Brusse, Archie B.

Rocla Limited, assignee: *See*—
Fitzpatrick, Frank L.

Roebuck, James O.: *See*—
Bordewieck, Robert W., Roebuck, and Sleeper.

Rohm & Haas Company, assignee: *See*—
Croxall, Willard J., and Melamed.
Neher, Harry T., Specht, and Neuman.
Vaughan, James L., and Merrill.

Rollin, George W.: *See*—
Porter, Charles A., and Rollin.

Romero, Frederick B., Washington, D. C. Marine bushing. 2,582,563, Jan. 15.

Rooker, William A., assignor to H. F. Byrd, Inc., Berryville, Va. Preparing fruit sauce products. 2,582,396, Jan. 15.

Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. Photocell. 2,582,850, Jan. 15.

Rose, Archie D., Laramie, Wyo. Fishing line snap actuator. 2,582,758, Jan. 15.

Rose, Arnold L., Beverly Hills, assignor to Supermatic Products Corporation, Burbank, Calif. Range oven door and window construction. 2,582,458, Jan. 15.

Rosenberg, Philip, New York, assignor to Universal Steel Equipment Corporation, Long Island City, N. Y. Sectional work connected table. 2,582,935, Jan. 15.

Rosenblatt, Edgar F., East Orange, assignor to Baker & Co., Inc., Newark, N. J. Removing free oxygen or free hydrogen from a gaseous medium. 2,582,885, Jan. 15.

Roshkind, Allan I., assignor to A. B. Dick Company, Chicago, Ill. Bottle closure. 2,582,721, Jan. 15.

Roth, Jay M.: *See*—
Milliken, Edward C., and Roth.

Rothstein, Jerome, Belmar, N. J., assignor to the United States of America as represented by the Secretary of the Army. Gaseous discharge device. 2,582,282, Jan. 15.

Royal Typewriter Company, Inc., assignee: *See*—
Kloski, John F.

Royal Vacuum Cleaner Company, assignee: *See*—
Martinet, Eugene F.

Rubber & Tire Materials Company, assignee: *See*—
Murray, Robert C.

Ruge, Arthur C., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Transient analyzer. 2,582,851, Jan. 15.

Ruge, Arthur C., Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation. Differential load weighing device. 2,582,886, Jan. 15.

Runde, Kenneth R., Lemay, Mo., assignor, by mesne assignments, to T. F. Peterson, Shaker Heights, Ohio. Installing helically preformed elements on cables. 2,582,797, Jan. 15.

Russell, John R. K., and A. Prasser, assignors to Spectator Optical Products Limited, Treforest, Glamorgan, Wales. Manufacture of spectacle frames or blanks. 2,582,798, Jan. 15.

Ryer, August I.: *See*—
Hershberg, Emanuel B., and Ryer.

Saban, John S., Detroit, Mich. Window bead and fastener therefor. 2,582,654, Jan. 15.

Sabia, Frank J.: *See*—
Oldham, Anthus D., and Sabia.

Sachanen, Alexander N., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Fluorine-containing lubricant. 2,582,283, Jan. 15.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Sinker cap and operating mechanism. 2,582,465, Jan. 15.

St. Regis Paper Company, assignee: *See*—
Kutik, Louis F.
Massey, Peter J., and Goodwill.

Salathiel, Richard A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Composition for oil well cementing. 2,582,459, Jan. 15.

Salzberg, Edward, Roxbury, Mass. Apparatus for testing automatic storage battery chargers. 2,582,460, Jan. 15.

Sanford, Hugh W., and W. P. Biddle, Jr., Knoxville, Tenn.; said Biddle, Jr., assignor to said Sanford. Cooking stove. 2,582,887, Jan. 15.

Sargent, Donald E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Polyvinyl alcohol gels with bis-1,3,5-triazine compounds. 2,582,357, Jan. 15.

Sarosdy, Louis J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Stake puller. 2,582,284, Jan. 15.

Sass, Chester V., Redding, Calif. Dump box attachment for hydraulic fork lift. 2,582,759, Jan. 15.

Sauer, Robert O., Schenectady, N. Y., assignor to General Electric Company. Novel polysiloxane compound and preparing the same. 2,582,799, Jan. 15.

Sax, Karl J.: *See*—
Bernstein, Seymour, and Sax.

Sax, Leonard B., and T. H. Kingsbury, Chicago, Ill.: said Kingsbury assignor to said Sax. Buffing wheel. 2,582,506, Jan. 15.

Schellens, Eugene L., Essex, assignor to The R. W. Cramer Company, Incorporated, Centerbrook, Conn. Timer for causing brief actuations at prolonged intervals. 2,582,285, Jan. 15.

Schenck, Arthur E., Woodhaven, N. Y., assignor to Bemis Bro. Bag Company, Minneapolis, Minn. Bag closure. 2,582,286, Jan. 15.

Schenk, Peter, New York, N. Y. Ice-cream pop manufacturing and packaging. 2,582,655, Jan. 15.

Scher, George, West Orange, N. J. Apparatus for feeding lengths of flat stock in uninterrupted sequence. 2,582,656, Jan. 15.

Schering Corporation, assignee: *See*—
Hershberg, Emanuel B., and Ryer.

Schexnailder, Robert E., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of silica-alumina bead catalyst. 2,582,722, Jan. 15.

Schick, John W.: *See*—
Keyser, Paul V., Jr., Schick, and Hartough.

Schlumberger Well Surveying Corporation, assignee: *See*
Doll, Henri-Georges.

Schneck, Frederick W., Northbridge, and R. M. McNeill, North Hollywood, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Hydraulic pumping jack for in-the-well pumps. 2,582,564, Jan. 15.

Schneider, John F., Jr., Ridgewood, assignor to Buttondex Corporation, New York, N. Y. Apparatus for positioning and broaching buttons. 2,582,461, Jan. 15.

Schnippel, Edward V. and N. F., and D. D. Miller, Piqua, Ohio. Electrohydraulic operating unit for adjustable bed frames. 2,582,565, Jan. 15.

Schnippel, Norbert F.: *See*—
Schnippel, Edward V., and N. F., and Miller.

Schoellerman, Alvin L., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Producing stiffened skin panel. 2,582,358, Jan. 15.

Schoenwetter, Reinhold D., Rosslyn, Va., assignor, by mesne assignments, to J. Dorella, Long Island City, N. Y. Oil burner. 2,582,888, Jan. 15.

Schoonmaker, Carl, New York, N. Y. Toaster. 2,582,760, Jan. 15.

Schroeder, Ralph: *See*—
Julian, Percy L., Meyer, Schroeder, and Magnani.

Schrumn, Jewett F., Reno, Nev., assignor to Metals & Controls Corporation, Attleboro, Mass. Atmospheric control. 2,582,462, Jan. 15.

Schulmerich Electronics, Incorporated, assignee: *See*—
Kunz, Jacob T.

Schwartz, Albert M., Palos Verdes, and H. M. Sonneborn, Compton, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Vibration dampener. 2,582,397, Jan. 15.

Schwimmer, William E., and L. Maullin, Los Angeles, Calif. Dispensing bottle closure. 2,582,566, Jan. 15.

Scurlock, Lennie E., assignee: *See*—
Paysinger, Jesse A.

Seaboard Machinery Corp., assignee: *See*—
Jernstrom, Karl W.

Sebok, Joseph B., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Filter unit. 2,582,915, Jan. 15.

Secotan, Inc., assignee: *See*—
Ushakoff, Alexis E.

Sedgwick, Robert K., assignor to American Steel Foundries, Chicago, Ill. Guiding means for heated press platen. 2,582,889, Jan. 15.

Sedlacek, Henry J., assignor to The Kalamazoo Sled Company, Kalamazoo, Mich. Child's sled of the hand propelled type. 2,582,507, Jan. 15.

Selgh, William J. E. S., and D. J. Du Chene, Monroe, Mich. Conveyer guard. 2,582,508, Jan. 15.

Serner, Herbert E., Oakland, N. J. Bubble tower. 2,582,657, Jan. 15.

Shanahan, Ronald, assignee: *See*—
Belmonte, John.

Shaper, Harry B., Astoria, N. Y. Electromagnetic earphone. 2,582,287, Jan. 15.

Shapiro, Harry S.: *See*—
Bachll, Herman, and Shapiro.

Sharp & Dohme, Incorporated, assignee: *See*—
Charney, Jesse.
Engelhardt, Edward L.

Shaw, Percy, Boothtown, Halifax, England. Roller stripping apparatus. 2,582,359, Jan. 15.

Shell Development Company, assignee: *See*—
Daily, Bernard.
Fowkes, Frederick M.
McMillan, Frank M., and Winkler.

Sheridan, Virginia R., Chicago, Ill. Container having slidable closure. 2,582,360, Jan. 15.

Sherin, Gilliard J., Seattle, Wash. Shoe stand with polishing cloth guides. 2,582,567, Jan. 15.

Shertz, Edward W., Upper Darby, and R. S. Work, Kennett Square, assignors to Lansdowne Steel & Iron Company, Morton, Pa. Actuating mechanism for picking sticks. 2,582,761, Jan. 15.

Sherwin, Chalmers W., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Range marker generator. 2,582,608, Jan. 15.

Sherwin-Williams Company, The, assignee: *See*—
Hunn, James V.

Shields, James R.: *See*—
Barnebey, Herbert L., and Shields.

Shoemaker, Montgomery J., Olean, N. Y., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Making cellular glass of light color. 2,582,852, Jan. 15.

Siegenthal, Felice E., Pasadena, Calif. Female urinal. 2,582,398, Jan. 15.

Simpson, Clarence E., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Breech operating mechanism for automatic firearms. 2,582,288, Jan. 15.

Skinner, Milton D., Port Credit, Ontario, Canada. Sink construction and installation. 2,582,463, Jan. 15.

Slate, Arthur R.: *See*—
Koplin, Harry, and Slate.

Slayton, Ransom D., Lombard, assignor to Teletype Corporation, Chicago, Ill. Electronic start-stop to multiplex extensor. 2,582,218, Jan. 15.

Sleeper, Neal M.: *See*—
Bordewieck, Robert W., Roebuck, and Sleeper.

Small, Edward F., Newton, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Apparatus for treating shoe soles. 2,582,464, Jan. 15.

Smith, Charles A., Bronson, Mich. Fishing reel. 2,582,289, Jan. 15.

Smith, Edward F., assignor to The Wolf Machine Company, Cincinnati, Ohio. Cloth marking machine. 2,582,854, Jan. 15.

Smith, Franklin S., Hamden, Conn. Centrifugal impact miller for cereals. 2,582,509, Jan. 15.

Smith, George H.: *See*—
Cossey, John C. G., and Smith.

Smith, Harry, Detroit, Mich. Practice putting target. 2,582,290, Jan. 15.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery Inc., Perrysville, Ohio. Inlet float valve for flush tanks. 2,582,853, Jan. 15.

Smith, Stanley J., Ossining, N. Y. Capacitance type liquid quantity gauge. 2,582,399, Jan. 15.

Smith, Stanley J., Ossining, N. Y. Capacitance type liquid quantity gauge. 2,582,400, Jan. 15.

Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, assignee: *See*—
Peyches, Ivan.

Societe des Carrieres de l'Oise et de la Meuse, assignee: *See*—
Bataille, Pierre E.

Societe dite: Saint Freres (Societe Anonyme), assignee: *See*—
Pelcé, Henri.

Societe dite: Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Societe Anonyme, assignee: *See*—
Herbelleau, Armand P.

Societe Française Radio-Electrique, assignee: *See*—
Chirelx, Henri.

Society "La Precision Mecanique," S. A., assignee: *See*—
Drouot, Gaston C.
Grimod, Yves A.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Centofanti, Olin.
Hartough, Howard D., and Dickert.
Keyser, Paul V., Jr., Schick, and Hartough.
Myers, Harold C.
Richter, Frederick P., and Reid.
Sachanen, Alexander N.

Sola, Joseph G., River Forest, Ill. Transformer construction. 2,582,291, Jan. 15.

Sondern, Clarence W., Mendham, and P. J. Breivogel, Glen Ridge, assignors to White Laboratories, Incorporated, Newark, N. J. Preparation of benzal-imino compounds. 2,582,292, Jan. 15.

Sonneborn, Harry M.: *See*—
Schwartz, Albert M., and Sonneborn.

Sorenson, Jesse F., Long Beach, Calif. Swiveling device for electric current. 2,582,800, Jan. 15.

Soules, James A.: *See*—
Swisher, Joseph R., and Soules.

Southern States Equipment Corporation, assignee: *See*
Gussow, William A.

Specht, Edward H.: *See*—
Neher, Harry T., Specht, and Neuman.

Specialties Development Corporation, assignee: *See*—
Pamp, Clarence T., Jr.

Spectator Optical Products Limited, assignee: *See*—
Russell, John R. K., and Prasser.

Speier, John L., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Silicon-containing esters. 2,582,568, Jan. 15.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Silicon-containing alcohols. 2,582,569, Jan. 15.

Sperberg, Lawrence R.: *See*—
Prentiss, Spencer S., and Sperberg.

Stack, Robert J.: *See*—
Millar, John R., Stack, and Davies.

Stamm, Benjamin I. J., New York, N. Y. Vaporizing type oil burner and ignition means. 2,582,800, Jan. 15.

Standard Dyewood Company, assignee: *See*—
Monroe, Kenneth P.

Standard Oil Development Company, assignee: *See*—
Crookston, Robert R.
Ford, Lloyd J.
Gleason, Anthony H.
Howard, Frank A.
Hunter, Edward A.
Jones, Marvin R.
Laurence, Lawton L.
Lippincott, Samuel B., and Popkin.
Martin, Homer Z.
Martin, Homer Z., and Mayer.
Meier, Edwin H.
Nelson, Karl J.
Ragland, Douglas.
Ramsey, George H.
Salathiel, Richard A.
Schexnailder, Robert E., Jr.
Stone, Albert L.
Zimmer, John C., and Duncan.

Stanley, Richard W., Drexel Hill, and W. B. Lowe, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Reel for fluid treatment of filamentary materials. 2,582,293, Jan. 15.

Steele, Frederick L., Columbus, Ohio., assignor to Curtiss-Wright Corporation. Fueling aircraft in flight. 2,582,609, Jan. 15.

Steen, Carl A., Gettinge, Sweden. Boiling pan with elastic sealing rings. 2,582,801, Jan. 15.

Stemmons, Robert, Middletown, Ohio, and W. L. Edel, assignors to Clayton & Lambert Manufacturing Company, Louisville, Ky. Dome-shaped roof. 2,582,723, Jan. 15.

Sternberg, Ernest M., Estate of: *See*—
Young, Casanave.

Sternberg, Ernest R., executor, assignee: *See*—
Young, Casanave.

Stinson, Milburn C., Santurce, Puerto Rico. Effluent cleaner and saver. 2,582,401, Jan. 15.

Stiratelli, Bartholomew A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polyethylene stabilized with sulfur plus a vulcanization accelerator. 2,582,510, Jan. 15.

Stober, Kenneth E., assignor to The Dow Chemical Company, Midland, Mich. Continuous method for cooling and shaping thermoplastics. 2,582,294, Jan. 15.

Stoffel, Hans F., Scarsdale, N. Y. Seal tag. 2,582,295, Jan. 15.

Stokes, F. J., Machine Company, assignee: *See*—
Strauss, William.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Core taking apparatus. 2,582,361, Jan. 15.

Stone, Albert L., Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Pipe spinner. 2,582,724, Jan. 15.

Strauss, William, Philadelphia, Pa., assignor to F. J. Stokes Machine Company. Automatic molding press. 2,582,891, Jan. 15.

Strehlow, Walter F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power take-off. 2,582,466, Jan. 15.

Strutt, Maximilianan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency changing circuit arrangement. 2,582,725, Jan. 15.

Stryker, Homer H., assignor to Orthopedic Frame Company, Kalamazoo, Mich. Surgical tool for cutting graft skin. 2,582,511, Jan. 15.

Stueland, Harold M., East Moline, assignor to Deere & Company, Moline, Ohio. Multispeed and multistroke fluid pressure apparatus. 2,582,512, Jan. 15.

Sullivan Bros., assignee: *See*
Luppold, George W.

Sullivan, William R., and P. J. Cleary, assignors to Armour and Company, Chicago, Ill. Protective covering of mutilations in beef carcasses. 2,582,296, Jan. 15.

Supermatic Products Corporation, assignee: *See*
Rose, Arnold L.

Sutherland Paper Company, assignee: *See*—
Buttery, Kenneth T.

Swafford, Luther B., England, Ark. Plant thinning machine. 2,582,513, Jan. 15.

Swainey, Homer L., Cleveland, Ohio, assignor to Norton Company, Worcester, Mass. Grinding wheel feeding mechanism. 2,582,610, Jan. 15.

Swift & Company, assignee: *See*—
Mathews, Ray V.

Swisher, Joseph R., and J. A. Soules, Decatur, Ill. Double-faced scare-bird owl. 2,582,514, Jan. 15.

Sylvan, Joseph, Berkley, Mich. Door. 2,582,467, Jan. 15.

Sylvan, Joseph, Berkley, Mich. Jamb assembly. 2,582,468, Jan. 15.

Szeghi, Constantin S., Chicago, Ill., assignor to The Rauland Corporation. Iron trap type electron gun. 2,582,402, Jan. 15.

Szklarski, Ludger: *See*
Jezewski, Mieczyslaw, and Szklarski.

Szukiewicz, Wacław, assignee: *See*
Jezewski, Mieczyslaw, and Szklarski.

T. M. M. (Research) Limited, assignee: *See*
Haythornthwaite, James J.

Tackett, Joe, Briceland, Calif. Railroad tie dresser. 2,582,658, Jan. 15.

Talon, Inc., assignee: *See*
Poux, Noel J.

Tamminga, William J., Goshen, N. Y. Illuminating device for tank trucks. 2,582,659, Jan. 15.

Tant, Grady, assignee: *See*
Hilton, A. B.

Tappan Stove Company, The, assignee: *See*—
Mayer, Charles M.

Tarperi, Evo J., Iron Mountain, Mich. Rafter cutting and positioning jig. 2,582,892, Jan. 15.

Taub, Alex, Washington, D. C., assignor to Thompson Products, Inc., Cleveland, Ohio. Supercharging and fuel heating system for internal-combustion engines. 2,582,916, Jan. 15.

Taylor, Philip H., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Photographic triplet objective. 2,582,362, Jan. 15.

Teague, Jasper C., Ferguson Park, Newport News, Va. Jet-driven variable pitch propeller. 2,582,893, Jan. 15.

Teeter, Howard M.: *See*
Cowan, John C., and Teeter.

Teletype Corporation, assignee: *See*
Slayton, Ransom D.

Terrell, Charles F., Jr., Newark, Ohio, assignor to The Pure Oil Company, Chicago, Ill. Liquid feeding apparatus. 2,582,802, Jan. 15.

Terwilleger, Clarence F., Seattle, Wash. Pressure fluid servomotor and valve system therefor. 2,582,570, Jan. 15.

Texas Company, The, assignee: *See*
Eastman, du Bois, and Gauchet.

Thatcher, Charles J., New York, N. Y. Air conditioning unit and expansion motor therefor. 2,582,297, Jan. 15.

Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Fluid-modified mounting. 2,582,363, Jan. 15.

Thoma, Ardis M., Los Angeles, Calif. Headrest. 2,582,571, Jan. 15.

Thomas & Betts Co., The, assignee: *See*
Moore, Albert J.

Thomas, Clare, assignee: *See*
Thomas, Ezekiel L.

Thomas, Ezekiel L., assignor of forty-nine percent to C. Thomas, Los Angeles, Calif. Dispensing holder for liquid containers with means for puncturing said containers. 2,582,660, Jan. 15.

Thompson Products, Inc., assignee: *See*
Taub, Alex.

Tice, Reuben S., Monterey County, Calif. Soil conditioner. 2,582,364, Jan. 15.

Tidd, Elbert, Clinton, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Radiant heating installation. 2,582,762, Jan. 15.

Todd, William L.: *See*
Greenberg, Elbert E., Feibel, and Todd.

Toledo Scale Company, assignee: *See*
Hart, Norman E.
Hem, Halvor W.
Williams, Lawrence S.

Tombolini, Alfredo, Milan, Italy. Type bar actuating mechanism for typewriters. 2,582,803, Jan. 15.

Toop, Dorothy, assignee: *See*
Toop, Frederick.

Toop, Frederick, assignor of twenty-five percent to D. Toop, twenty-five percent to A. Freitas, and twenty-five percent to R. Freitas, New York, N. Y. Dual valve selective control handle assembly for combination faucets. 2,582,804, Jan. 15.

Torchet, Pierre, Pernemil-sur-Seine, France, assignor to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques. Electrolytically refining aluminum. 2,582,661, Jan. 15.

Trico Products Corporation, assignee: *See*
Rappl, Anton.

Trimedge, Incorporated, assignee: *See*
Bonnell, William L.

Trumbour, George P., and F. MacGregor, assignors to MacGregor Instrument Company, Needham, Mass. Nebulizer or the like. 2,582,805, Jan. 15.

Trust, M. L., trustee, assignee: *See*—
Greenleaf, Robert M.
Tulk, George C., Toronto, Ontario, Canada. Electric fan. 2,582,572, Jan. 15.
Udy, Marvin J., Niagara Falls, N. Y. Metallurgy. 2,582,469, Jan. 15.
Union Carbide and Carbon Corporation, assignee: *See*—
Haine, Walter A.
Powell, George M., 3rd, and Mullen.
Union Manufacturing Company, assignee: *See*—
Church, Albert E.
Union Oil Company of California, assignee: *See*—
Fischer, Paul W.
Union Starch & Refining Company, assignee: *See*—
Longenecker, Joseph B.
United Aircraft Corporation, assignee: *See*—
Bodger, Walter K.
United-Carr Fastener Corporation, assignee: *See*—
Becker, Philip D.
Bedford, William A., Jr.
Jones, Walter I.
United Products Co., Inc., assignee: *See*—
Coby, George.
United Shoe Machinery Corporation, assignee: *See*—
Gookin, Sylvester L.
United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Wilder, Coleman D.
United States Rubber Company, assignee: *See*—
Iknayan, Alfred N.
Tidd, Elbert D.
Universal Oil Products Company, assignee: *See*—
Bloch, Herman S., and Hoffman.
Geiser, Edward M.
Haensel, Vladimir.
Hoffman, Alfred E., and Bloch.
Linn, Carl B.
Universal Steel Equipment Corporation, assignee: *See*—
Rosenberg, Philip.
Upjohn Company, The, assignee: *See*—
Hogg, John A.
Hogg, John A., and Nathan.
Marlatt, Paul E., Hanze, McIntosh, and Levin.
Ushakoff, Alexis E., Beverly, assignor to Secotan, Inc., Cambridge, Mass. Formed shoe uppers and the like. 2,582,298, Jan. 15.
V. Nes, Robbert, Arnhem, and A. Lelij, Velp, Netherlands, assignors to American Enka Corporation, Enka, N. C. Drying of hollow yarn bodies. 2,582,806, Jan. 15.
Van Dellen, Edward: *See*—
Ball, Richard N., and Van Dellen.
Vanderbilt, R. T., Co., Inc., assignee: *See*—
Brooks, Lester A.
Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Electric tunnel kiln. 2,582,855, Jan. 15.
Van der Ziel, Aldert: *See*—
Strutt, Maximiliaan J. O., and van der Ziel.
Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing circuit arrangement. 2,582,726, Jan. 15.
Vasey, William G., New Westminster, British Columbia, Canada. Ash tray. 2,582,611, Jan. 15.
Vaughan, James L., Morrisville, Pa., and D. R. Merrill, Moorestown, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa. Separating acrylic acid esters, alcohols, and nickel chloride from mixtures thereof. 2,582,299, Jan. 15.
Vickers, Samuel E.: *See*—
Zellhoefer, Glenn F., and Vickers.
Viellard, Léon, Morvillars, France. Machine for producing wood screws. 2,582,662, Jan. 15.
Vogogas S. A., assignee: *See*—
Von Gálocsy, Zsigmund.
Vollet, George: *See*—
Hajos, Joseph L., and Vollet.
Volz, Chris L., Birmingham, Mich. Shaving device. 2,582,807, Jan. 15.
Von Gálocsy, Zsigmund, Berg en Terblijt, Netherlands, assignor to Vogogas S. A., Zurich, Switzerland. Manufacture of gas mixtures rich in ammonia in generators. 2,582,936, Jan. 15.
Von Gunten, Albert, assignor to Eudora Beltless Specialty Machine Co., Inc., Eudora, Kans. Vertically adjustable work holder and support therefor, including motor mount. 2,582,573, Jan. 15.
Wade, R. M., & Co., assignee: *See*—
Cornelius, Gail.
Wahli, Werner, Berne-Bumpliz, Switzerland. Process and device for the measuring of rotational velocities. 2,582,727, Jan. 15.
Wahlsten, Gösta L. B., Stockholm, and G. K. W. Boestad, Lidingo, Sweden, assignors, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Patten, Racine, Wis., as trustees. Controlling torque transmission through hydrodynamic torque converters. 2,582,300, Jan. 15.
Waldron, John, Corporation, assignee: *See*—
Dickhaut, Charles A.
Waletzky, Emanuel, Stamford, Conn., and A. Bliznick, Long Island City, assignors to American Cyanamid Company, New York, N. Y. Thiosemicarbazide rodenticide. 2,582,940, Jan. 15.
Walker, Allan B., Piedmont, and H. J. Riddle, Alameda, Calif.; said Walker assignor to said Riddle. Portable sanding machine. 2,582,470, Jan. 15.
Walker, Brooks, Piedmont, Calif. Venetian blind. 2,582,301, Jan. 15.
Walker, Joseph B., Hollywood, Calif. Indicator for the blind. 2,582,728, Jan. 15.
Wallace, R., & Sons Manufacturing Company, assignee: *See*—
Hall, Rolland G., and Hill.
War, United States of America as represented by the Secretary of, assignee: *See*—
Dalke, John L.
Dodd, Charles G.
Rigby, George W.
Simpson, Clarence E.
Wardell, Harry A., assignee: *See*—
Moore, Earl W.
Wardell-Moore Machine Company, assignee: *See*—
Moore, Earl W.
Warp, Harold, Chicago, Ill., assignor to Flex-O-Glass, Inc. Fluid conducting means. 2,582,515, Jan. 15.
Wassell, Frank L., assignor to G. P. Wassell, Westport, Conn. Combined address and file card. 2,582,729, Jan. 15.
Wassell, Georgene P., assignee: *See*—
Wassell, Frank L.
Waterloo Foundry Company, assignee: *See*—
Harmon, Cline H.
Weaver, John H.: *See*—
Beman, Ward W., and Weaver.
Webb, Ernest C., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Secondary air supply system and nozzle for underfeed stokers. 2,582,808, Jan. 15.
Weber, Don A., assignor to The Deister Concentrator Company, Fort Wayne, Ind. Material separating apparatus. 2,582,302, Jan. 15.
Wegener, Otto W., assignee: *See*—
Hoeffken, Paul W.
Weir, Robert H., Farnborough, assignor to Power Jets (Research and Development) Ltd., London, England. Air and fuel regulating means in internal-combustion turbine power plants. 2,582,809, Jan. 15.
Weiss, Samuel, Portland, Oreg. Industrial truck attachment. 2,582,663, Jan. 15.
West, Fletcher L., assignor to The McCaskey Register Company, Alliance, Ohio. Cash drawer. 2,582,471, Jan. 15.
Western Electric Company, Incorporated, assignee: *See*—
Dvorak, Howard A., Juvinall, and Miller.
Franz, Erwin E.
Larsen, Einer W., and Meyer.
Messerschmidt, Henry L.
Moore, Norman C.
Wynne, Walter W.
Western Union Telegraph Company, The, assignee: *See*—
Light, George G., and Blanton.
Westinghouse Electric Corporation, assignee: *See*—
Ardito, William A., and Pickford.
Westphal, Walter, assignor to Rexford Paper Company, Milwaukee, Wis. Drier roll. 2,582,365, Jan. 15.
Wexler, Morris: *See*—
Jelaso, Abraham, Wexler, and Hertzberg.
Wheel Trueing Tool Company, assignee: *See*—
Catallo, Leo.
White Laboratories, Incorporated, assignee: *See*—
Sondern, Clarence W., and Breivogel.
White, Thomas F., assignor to The Gates Rubber Company, Denver, Colo. Power transmission belt. 2,582,366, Jan. 15.
Whiting Corporation, assignee: *See*—
Oldham, Anthus D., and Sabla.
Widén, Olof E., Ljungsbro, Sweden. Apparatus for removing nondesirable substances from cocoa berries. 2,582,664, Jan. 15.
Wiggins, Marvin, Fort Myers, Fla. Floor jack. 2,582,665, Jan. 15.
Wilcox, Merton F., Grosse Pointe, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind. Hydraulic drive unit for washing machines. 2,582,810, Jan. 15.
Wilder, Coleman D., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Producing uranium chlorides. 2,582,941, Jan. 15.
Wilhide, Glenn C., assignor to The Black & Decker Manufacturing Company, Towson, Md. Apparatus for dressing valve seat grinding for convex valve seats. 2,582,763, Jan. 15.
Williams, Charles R., Hawthorne, and G. E. Hagen, Lawndale, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Glow tube pulse amplifier. 2,582,367, Jan. 15.
Williams, Frank S., Providence, R. I. Railway car axle. 2,582,516, Jan. 15.
Williams, Frederic C., Timperley, and N. E. Moody, Cuffley, England. Wireless beacon system. 2,582,894, Jan. 15.
Williams, Harvey L., Hadlyme, Conn. Garment. 2,582,811, Jan. 15.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Laboratory balance. 2,582,517, Jan. 15.
Williams, Norman C., assignor to Power Brake Equipment Co., Portland, Oreg. Trailer relay valve for vacuum brakes. 2,582,612, Jan. 15.
Williams, Paul A., West Seneca, assignor to Glenn Confections, Inc., Buffalo, N. Y. Forming channels in thermoplastic materials. 2,582,368, Jan. 15.
Willard, G. Jay, assignee: *See*—
Harman, Melvin H.
Winkler, De Loss E.: *See*—
McMillan, Frank M., and Winkler.
Wise, George, Washington, D. C. Cabinet unit with changeable interiors. 2,582,812, Jan. 15.
Wohnsiedler, Henry P.: *See*—
Kropa, Edward L., and Wohnsiedler.
Wohnsiedler, Henry P., Darien, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Hot-moldable compositions comprising melamine-formaldehyde resin and acrylonitrile copolymer. 2,582,303, Jan. 15.
Wohnsiedler, Henry P., Darien, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Products obtained from a polyethylene melamine. 2,582,613, Jan. 15.
Wohnsiedler, Henry P., Darien, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Reaction products of ingredients comprising a polyethylene melamine and an ethylene urea. 2,582,614, Jan. 15.
Wohnsiedler, Henry P., Darien, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Modified aminoplast compositions and products. 2,582,730, Jan. 15.
Wolf Machine Company, The, assignee: *See*—
Smith, Edward F.
Wolfe, George H., and D. E. Mackenzie, Reno, Nev. Tuyère construction with cooling and steam feeding means. 2,582,615, Jan. 15.
Wolfe, Richard C., United States Navy, Los Angeles, Calif., and T. C. Boyle, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Navy. Automatic buoyancy control system. 2,582,304, Jan. 15.
Woodall-Duckham Vertical Retort and Oven Construction Company (1920) Limited, The, assignee: *See*—
Dobson, Frederick W.
Woodside, Harry D., Lincoln Park, Mich. End thrust type rotary cutter head. 2,582,574, Jan. 15.
Work, Robert S.: *See*—
Shertz, Edward W., and Work.
Works, Madden T., assignor to Cameron Iron Works, Houston, Tex. Well head sealing arrangement. 2,582,518, Jan. 15.
Wuesthoff, Maximilian W., Los Angeles, Calif. Screw controlled ball cock for tanks. 2,582,616, Jan. 15.
Wunderlich, Johann F., and O. Brandenburg, assignors to Firma Triumph-Werke Nurnberg A. G., Nurnberg, Germany. Type bar mechanism for typewriters with segment shift device. 2,582,369, Jan. 15.
Wynne, Walter W., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Screw thread upsetting tool. 2,582,519, Jan. 15.
X-Ray Electronic Corporation, assignee: *See*—
Fua, Frederic.
Yancey, John R., and E. J. Robishaw, assignors, by mesne assignments, to A-1 Bit & Tool Company, Houston, Tex. Deflector cleansing device. 2,582,403, Jan. 15.
Young, Casanave, Milwaukee, assignor to E. R. Sternberg, Wauwatosa, Wis., executor of the Estate of Ernest M. Sternberg. Dual transmission control. 2,582,895, Jan. 15.
Young, Charles E., New London, Iowa. Electric farm gate. 2,582,666, Jan. 15.
Young, Charles M., Schenectady, N. Y., assignor to General Electric Company. Airplane maneuvering system. 2,582,305, Jan. 15.
Young, Ernest H., Niagara Falls, N. Y., assignor to Comstock & Wescott, Inc., Cambridge, Mass. Stapling machine for applying labels. 2,582,731, Jan. 15.
Young, Israel, Brooklyn, N. Y. Toy chest. 2,582,575, Jan. 15.
Young, L. A., Spring and Wire Corporation, assignee: *See*—
Clark, William A.
Ludwig, Walter.
Zavada, Frank J., Swissvale, Pa. Toothbrush. 2,582,404, Jan. 15.
Zelik, John N., Pittsburgh, Pa. Air operated figure toy. 2,582,856, Jan. 15.
Zellhoefer, Glenn F., Normal, and S. E. Vickers, Chicago, Ill.; said Vickers assignor to said Zellhoefer. Working fluid for use in refrigerating systems and preventing corrosion in refrigerating systems. 2,582,306, Jan. 15.
Zephyr Laundry Machinery Company, assignee: *See*—
Koplin, Harry, and Slate.
Zerbe, Richard O., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing rubber and product thereof. 2,582,732, Jan. 15.
Zig Zag Spring Co., assignee: *See*—
Zweyer, Andrew M.
Zimmer, John C., Union, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Metal protecting compositions. 2,582,733, Jan. 15.
Zink, John S., and R. D. Reed, Tulsa, Okla., said Reed assignor to said Zink. Gas-air burner provided with antiflash-back member. 2,582,577, Jan. 15.
Zweyer, Andrew M., Los Angeles, Calif., assignor, by mesne assignments, to Zig Zag Spring Co. Wire-forming machine. 2,582,576, Jan. 15.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15th DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Electric internal combustion engine head bolt heater. A. I. Freeman. Re. 23,449, Jan. 15.
Laminated products and adhesive compositions of matter C. J. Mighton. Re. 23,451, Jan. 15.
Machine for producing pads for journal lubrication. A. A. and H. D. McVicker. Re. 23,450, Jan. 15.
Resonant magnetic switch assembly. H. G. Weightman. Re. 23,454, Jan. 15.
Roof for the cockpits of aircraft, Removable. R. Saulnier. Re. 23,452, Jan. 15.
Rotary electromagnetic transfer switch. H. E. Schleicher. Re. 23,453, Jan. 15.
Valve connection, Pop-up. S. A. Young. Re. 23,455, Jan. 15.

LIST OF PLANT INVENTIONS

Ivy plant W. S. Hahn. 1,067, Jan. 15.
Rose plant E. S. Boerner. 1,065, Jan. 15.
Rose plant. C. G. Duehrsen. 1,066, Jan. 15.

LIST OF DESIGN INVENTIONS

Airplane. C. L. Johnson. 165,687-8, Jan. 15.
Artificial Christmas tree. G. B. Smith. 165,701, Jan. 15.
Bib, Infant's. R. E. Mearns 165,693, Jan. 15.
Bunting, Baby. G. Schwartz 165,700, Jan. 15.
Clock radio housing. C. W. Sundberg and M. Ferar. 165,704, Jan. 15.
Clothespin. F. S. Clark. 165,679, Jan 15
Cup R. G. Cowan. 165,680, Jan. 15.
Cutter, Electric meat, fish, and bone. A. C. Schueren. 165,699, Jan. 15.
Dispenser, Cigarette. R. Hunt. 165,685, Jan. 15.
Hair curling device. F. G Hall 165,684, Jan. 15
Handle, Stove. D. E. Stewart. 165,702-3, Jan. 15.
Holder for container and applicator, Combined. A. B. Fournier and W. D. Williams. 165,683, Jan. 15.
Knob for a food mixer or the like, Control. I. Jepson. 165,686, Jan. 15.
Lighting set and case therefor, Combined tree. S. I. Batkin. 165,677, Jan. 15.
Lip rouge applicator. G. E. Macomic. 165,691, Jan. 15.
Milk processing building. P. B. Mayo. 165,692, Jan. 15.
Rack, Towel. R. Eckenboy. 165,681, Jan. 15.
Scale, Portable heavy-duty. C. N. Bates. 165,676, Jan. 15.
Seat and wall cabinet, Combination. E. H. Cawthon. 165,678, Jan. 15.
Stocking. J. Miran. 165,694-6, Jan. 15.
Stocking, Lady's. W. Mueller. 165,697, Jan. 15.
Tongs, Egg. P. L. Jones. 165,689, Jan. 15.
Toy savings bank. G. Flexner. 165,682, Jan. 15.
Undergarment, Lady's foundation. E. A. Rockwell. 165,698, Jan. 15.
Vehicle, Three-wheeled. M. W. Kistler. 165,690, Jan. 15.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15th DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. W. L. Keefer. 2,582,702, Jan. 15.
Abrasion testing machine. G. F. Blackburn and E. R. Paul. 2,582,223, Jan. 15.
Absorbing glass and making same. A. G. Pincus. 2,582,453, Jan. 15.
Acrylic esters, Preparation of. H. T. Neher, E. H. Specht, and A. Neuman. 2,582,911, Jan. 15.
Actuating mechanism for picking sticks. E. W. Shertz and R. S. Work. 2,582,761, Jan. 15.
Address and file card, Combined. F. L. Wassell. 2,582,729, Jan. 15.
Adjustable head T square. O. A. Olson. 2,582,649, Jan. 15.
Adsorption process for the separation of hydrocarbons. W. H. Claussen. 2,582,415, Jan. 15.
Air and fuel regulating means in internal-combustion turbine power plants. R. H. Weir. 2,582,809, Jan. 15.
Air conditioning unit and expansion motor therefor. C. J. Thatcher. 2,582,297, Jan. 15.
Aircraft heating system. B. L. Messinger. 2,582,842, Jan. 15.
Aircraft power plant and cabin pressurizing system. N. C. Price. 2,582,848, Jan. 15.
Airplane maneuvering system. C. M. Young. 2,582,305, Jan. 15.
Airtight tubular coupling. E. F. Martinet. 2,582,446, Jan. 15.
Alarm, Supervised electrical. H. L. Newell. 2,582,790, Jan. 15.
Alkylidene-alkoxyarylalkylamines and preparation thereof. H. D. Hartough and J. J. Dickert, Jr. 2,582,867, Jan. 15.
Alternating current motor. W. H. Petersen. 2,582,652, Jan. 15.
Alternating current plunger type solenoid. R. C. Olson. 2,582,351, Jan. 15.
Alumina-platinum-halogen catalyst, Preparation of. V. Haensel. 2,582,428, Jan. 15.
Aluminum and magnesium soaps, Preparation of. J. V. Hunn. 2,582,833, Jan. 15.
Aluminum creel. F. M. McDonald. 2,582,875, Jan. 15.
Aminoplast compositions and products, Modified. H. P. Wohnsiedler and E. L. Kropa. 2,582,730, Jan. 15.
Amplifier, Glow tube pulse. C. R. Williams and G. E. Hagen. 2,582,367, Jan. 15.
Amplifier, Microwave. H. V. Neher. 2,582,846, Jan. 15.
Angle drive. C. A. Koza. 2,582,336, Jan. 15.
Animal restraining device. H. C. Krueger. 2,582,339, Jan. 15.
Antiskid tread and manufacture. A. N. Iknayan. 2,582,701, Jan. 15.
Apparatus for broad-band radio transmission. R. V. Pound. 2,582,604, Jan. 15.
Apparatus for building up and reducing pressure. H. Koplin and A. R. Slate. 2,582,259, Jan. 15.
Apparatus for dressing valve seat grinding for convex valve seats. G. C. Wilhide. 2,582,763, Jan. 15.
Apparatus for emptying reservoirs. A. P. Herbelleau. 2,582,753, Jan. 15.
Apparatus for feeding lengths of flat stock in uninterrupted sequence. G. Scher. 2,2,582,656, Jan. 15.
Apparatus for handling continuous castings. I. Harter, Jr. and G. A. Pugh. 2,582,329, Jan. 15.
Apparatus for joining ends of thermoplastic film. G. B. Bona. 2,582,581, Jan. 15.
Apparatus for measuring the heat supplied by a flow of liquid at variable temperature. L. Gailloud. 2,582,324, Jan. 15.
Apparatus for molding articles. H. L. Crowley and A. M. Hossenlopp. 2,582,922, Jan. 15.
Apparatus for molding concrete building segments. A. Henderson. 2,582,431, Jan. 15.
Apparatus for molding thermoplastic materials. L. F. Kutik. 2,582,260, Jan. 15.
Apparatus for positioning and broaching buttons. J. F. Schneider, Jr. 2,582,461, Jan. 15.
Apparatus for producing seat pads. J. R. Millar, R. J. Stack, and C. J. Davies. 2,582,449, Jan. 15.
Apparatus for removing nondesirable substances from cocoa berries. O. E. Widén. 2,582,664, Jan. 15.
Apparatus for straightening round rods or tubes of plastic material. E. W. Larsen and J. G. Meyer. 2,582,491, Jan. 15.
Apparatus for testing automatic storage battery chargers. E. Salzberg. 2,582,460, Jan. 15.
Apparatus for the production of fibers, in particular glass fibers. I. Peyches. 2,582,561, Jan. 15.
Apparatus for treating shoe soles. E. F. Small. 2,582,464, Jan. 15.
Approach system for landing aircraft. J. B. Bartow. 2,582,742, Jan. 15.
Arrangement for adapting the speed of take-up to the speed of feed in producing thread or tape material with originally low mechanical strength. T. A. Ljungberg. 2,582,639, Jan. 15.
Ash tray. W. G. Vasey. 2,582,611, Jan. 15.
Asphalt composition. F. M. Fowkes. 2,582,823, Jan. 15.
Atmospheric control. J. F. Schrumm. 2,582,462, Jan. 15.
Autoclave reactor. H. L. Barnebey and J. R. Shields. 2,582,899, Jan. 15.
Automatic bale tension control for baling machines. R. I. Bobst. 2,582,672, Jan. 15.
Automatic buoyancy control system. R. C. Wolfe and T. C. Boyle. 2,582,304, Jan. 15.
Automatic charging and vent valve. W. F. Klein. 2,582,546, Jan. 15.
Automatic molding press. W. Strauss. 2,582,891, Jan. 15.
Automatic volume control time response switching. E. H. Meier. 2,582,714, Jan. 15.
Automobile door lock. E. D. Dall. 2,582,925-6, Jan. 15.
Automobile stabilizing counterweight. E. J. Halloran. 2,582,628, Jan. 15.
Automobile suspension system. D. Giacosa. 2,582,775, Jan. 15.
Automobile tire chain. E. E. Lloyd. 2,582,493, Jan. 15.
Awning or jalousie. O. O. McKinley. 2,582,448, Jan. 15.
Axially collapsing type tire removing hand tool. C. H. Honeycutt. 2,582,869, Jan. 15.
Axle, Railway car. F. S. Williams. 2,582,516, Jan. 15.
Backlash eliminating device. E. E. Franz. 2,582,690, Jan. 15.
Backrest for toilet seats. L. B. Farrell. 2,582,321, Jan. 15.
Bag: *See*
Cooky bag.
Bag closure. A. E. Schenck. 2,582,286, Jan. 15.
Barn gutter cleaner. H. H. Johanning. 2,582,335, Jan. 15.
Beacon system, Wireless. F. C. Williams and N. F. Moody. 2,582,894, Jan. 15.
Bearing of the oil film type. J. H. Hitchcock. 2,582,433, Jan. 15.
Bed frame. R. D. Hopkins. 2,582,832, Jan. 15.
Bending machine for plywood or composition board. E. C. Richter. 2,582,653, Jan. 15.
Benzal-imino compounds, Preparation of. C. W. Sondern and P. J. Breivogel. 2,582,292, Jan. 15.
Bituminous composition. F. M. Fowkes. 2,582,824, Jan. 15.
Blue gas set. R. P. Oliveros. 2,582,847, Jan. 15.
Board: *See*—
Cribbage board.
Quick-change casing stabbing board.
Boat trailer. O. H. Kahler. 2,582,754, Jan. 15.
Bottle closure. A. I. Roshkind. 2,582,721, Jan. 15.
Bottle warmer. A. B. Johnson. 2,582,781, Jan. 15.
Brace, Surgical. E. L. Jewett. 2,582,930, Jan. 15.
Bracelet. A. H. Metcalf. 2,582,878, Jan. 15.
Bracket: *See*—
Orthodontic bracket.
Brake: *See*—
Internal expanding brake.
Brake and handle arrangement for baby carriages. R. S. Arles. 2,582,737, Jan. 15.
Breech operating mechanism for automatic firearms. C. E. Simpson. 2,582,288, Jan. 15.
Briquettes and making same. G. Komarek and W. J. Chapman. 2,582,386, Jan. 15.
Broiler. S. S. Roberts. 2,582,720, Jan. 15.
Broiler burner and radiant screen for gas cooking ranges. C. M. Mayer. 2,582,642, Jan. 15.
Brush and comb, Combination rotary. J. Belmonte. 2,582,409, Jan. 15.
Brush having bristle cleaning apertures. F. J. Marco. 2,582,552, Jan. 15.
Bubble tower. H. E. Serner. 2,582,657, Jan. 15.
Buffing wheel. L. B. Sax and T. H. Kingsbury. 2,582,506, Jan. 15.
Burner: *See*
Oil burner.
Burner for gas heaters, Removable. P. W. Hoeffken. 2,582,331, Jan. 15.

Burner provided with antiflashback member, Gas-air. J. S. Zink and R. D. Reed. 2,582,577, Jan. 15.

C_1-C_4 dialkyl hydrogen phosphites, Producing. D. H. Chadwick. 2,582,817, Jan. 15.

Cabinet: *See*—
Refrigerator cabinet.

Cabinet unit with changeable interiors. G. Wise. 2,582,812, Jan. 15.

Cable connector. H. A. Knollman. 2,582,384, Jan. 15.

Calibration of X-ray gauges, Method and apparatus for. F. Fua. 2,582,774, Jan. 15.

Cam actuated slidable jaw wrench. D. C. Lucht. 2,582,444, Jan. 15.

Camera head. R. O. Hoge. 2,582,779, Jan. 15.

Cap: *See*—
Pressure sealing bottle cap.

Capacitance type liquid quantity gauge. S. J. Smith. 2,582,399–400, Jan. 15.

Caps for fastener members, Making. W. I. Jones. 2,582,383, Jan. 15.

Caramel color manufacture. J. B. Longenecker. 2,582,261, Jan. 15.

Carbon electrodes, Manufacture of. B. L. Bailey. 2,582,764, Jan. 15.

Carburetor system. R. L. McDonnell. 2,582,389, Jan. 15.

Carrier: *See*—
Wheeled carrier.

Carrying out endothermic and exothermic reactions. P. W. Garbo. 2,582,246, Jan. 15.

Carton blank handling machine. L. Perilli. 2,582,393, Jan. 15.

Cash drawer. F. L. West. 2,582,471, Jan. 15.

Casket construction. J. J. McEwan. 2,582,841, Jan. 15.

Cast for orthopedic use. J. J. Eberl. 2,582,242, Jan. 15.

Castrating band applying tool. C. Maddox. 2,582,640, Jan. 15.

Catamenial pad. J. E. Milton. 2,582,344, Jan. 15.

Cathode follower photoelectric amplifier circuit. R. W. Bordewieck, J. O. Roebuck, and N. M. Sleeper. 2,582,676, Jan. 15.

Cathode grid assembly. E. Pohle. 2,582,454, Jan. 15.

Cellular glass of light color, Making. M. J. Shoemaker. 2,582,852, Jan. 15.

Cellular resinous compositions, Producing. R. J. Brinkema. 2,582,228, Jan. 15.

Centering device for pipe-threading machines. C. A. Reimschissel and H. E. Davies. 2,582,279, Jan. 15.

Centrifugal impact miller for cereals. F. S. Smith. 2,582,509, Jan. 15.

Chopper, Food. J. Braunwalder and E. Meyer. 2,582,475, Jan. 15.

Cigarette dispensing container. E. B. and C. H. Duell. 2,582,821, Jan. 15.

Circuit: *See*—
Cathode follower photoelectric amplifier circuit.
Electrical test circuit.
Logarithmic circuit.
Phase detector circuit.
Register circuit.
Thermionic valve integrating circuit.

Circuit arrangement for wave length modulation. W. W. Boelens. 2,582,673, Jan. 15.

Circuit for neutralization of frequency divider chains. J. K. Phelan. 2,582,603, Jan. 15.

Cleaner: *See*—
Barn gutter cleaner.

Cleaning accessory for radiator systems. M. N. Mikulic. 2,582,880, Jan. 15.

Clod crushing roller. C. H. Krengel. 2,582,872, Jan. 15.

Closure for containers. O. E. Broadway. 2,582,224, Jan. 15.

Cloth marking machine. E. F. Smith. 2,582,854, Jan. 15.

Coating compositions containing ethers of catechol type of tanning agent, Surface. K. P. Monroe. 2,582,500, Jan. 15

Coating paper. W. H. Barrett and B. K. Asdell. 2,582,407, Jan. 15.

Cock. P. P. Honegger. 2,582,631, Jan. 15.

Coke oven buckstay structure. F. W. Dobson. 2,582,238, Jan. 15.

Collapsible display stand. G. R. Eide. 2,582,243, Jan. 15.

Coloring glass fibers. L. P. Biefeld. 2,582,919, Jan. 15.

Comb, Fountain. R. E. Dixon. 2,582,533, Jan. 15.

Combination hassock table. H. T. Kirshbaum. 2,582,703, Jan. 15.

Comminuting mill with means for lateral injection of fluid thereinto. H. Kronstad. 2,582,547, Jan. 15.

Compact. S. Kramer. 2,582,593, Jan. 15.

Compass. F. De Cesaris. 2,582,585, Jan. 15.

Compass, Beam. H. A. Kroenlein. 2,582,488, Jan. 15.

Composition and process for coloring citrus fruit. G. J. Hausmann, B. S. Johnson, and C. W. McDermott. 2,582,868, Jan. 15.

Composition for oil well cementing. R. A. Salathiel. 2,582,459, Jan. 15.

Concrete placement machine. C. Jackson. 2,582,486, Jan. 15.

Condensation of beta-hydroxyethyl sulfides with compounds containing hydroxyl groups. F. P. Richter and E. E. Reid. 2,582,605, Jan. 15.

Condenser and condensing. E. B. Hershberg and A. I. Ryer. 2,582,250, Jan. 15.

Conductor protector. A. J. Moore. 2,582,267, Jan. 15.

Connector: *See*—
Cable connector.

Connector of the trolley tap type, Electrical. J. F. Conrad. 2,582,621, Jan. 15.

Contact spaced target-mesh assembly for television pickup tubes. R. S. Moore. 2,582,843, Jan. 15.

Contacting tower construction. L. J. Ford. 2,582,688, Jan. 15.

Container: *See*—
Cigarette dispensing container.
Multiple liquid processing container.
Shock resistant container.

Container for coiled ribbons and the like. G. W. Ewald. 2,582,422, Jan. 15.

Container for individually wrapped articles of merchandise and supporting tray therefor, Display. K. T. Buttery. 2,582,476, Jan. 15.

Container for rapid preparation of hot drinks, Heating. A. Gourgues. 2,582,865, Jan. 15.

Container having slidable closure. V. R. Sheridan. 2,582,360, Jan. 15.

Continuous method for cooling and shaping thermoplastics. K. E. Stober. 2,582,294, Jan. 15.

Control apparatus. R. H. Olson. 2,582,270, Jan. 15.

Control mechanism for absorption refrigeration systems. L. H. Leonard, Jr. 2,582,838, Jan. 15.

Control system for aircraft control surfaces. J. K. Northrop and T. A. Feeney. 2,582,348, Jan. 15.

Control system of the correspondence kind for movable members. F. H. Belsey and D. T. Broadbent. 2,582,221–2, Jan. 15.

Controlling torque transmission through hydrodynamic torque converters. G. L. B. Wahlsten and G. K. W. Boestad. 2,582,300, Jan. 15.

Conversion of carbonaceous solids into volatile products. H. Z. Martin. 2,582,710, Jan. 15.

Convertible vehicle. L. E. Fisher. 2,582,687, Jan. 15.

Conveyer, Carrier-type endless. F. G. Mitchell. 2,582,881, Jan. 15.

Conveyer guard. W. J. E. S. Seigh and D. J. Du Chene. 2,582,508, Jan. 15.

Cooking range hood. H. E. Nicol. 2,582,884, Jan. 15.

Cooky bag. C. D. Mullinix. 2,582,346, Jan. 15.

Cooky making machine. A. E. Hein. 2,582,542, Jan. 15.

Coolant device for tools. E. K. Allen, Jr. 2,582,667, Jan. 15.

Core taking apparatus. J. C. Stokes. 2,582,361, Jan. 15.

Corrugated sheet metal cutter. J. Nielson. 2,582,933, Jan. 15.

Coupling: *See*—
Airtight tubular coupling.
Flexible coupling.

Coupling for pipes and tubes. W. R. Champion. 2,582,746, Jan. 15.

Coupling for railway and like vehicles. J. C. Cossey and G. H. Smith. 2,582,747, Jan. 15.

Covering means for planting attachments. W. P. Oehler. 2,582,503, Jan. 15.

Cribbage board. J. H. Loeb. 2,582,874, Jan. 15.

Cup, Auxiliary drinking. J. B. Parsons. 2,582,934, Jan. 15.

Curing tube. R. C. Murray. 2,582,715, Jan. 15.

Curved expander roll. J. D. Robertson. 2,582,280, Jan. 15.

Cutter: *See*—
Corrugated sheet metal cutter.
Tube cutter.

Dart for torso-fitting lady's garment. L. Armour. 2,582,739, Jan. 15.

Date-reminder sheet. A. Ratner. 2,582,355, Jan. 15.

Deck of playing cards. H. W. Johnson. 2,582,544, Jan. 15.

Deflector cleansing device. J. R. Yancey and E. J. Robishaw. 2,582,403, Jan. 15.

Deborning device. S. S. Mims. 2,582,450, Jan. 15.

Dehydroisoandrosteryl mercaptan and process. S. Bernstein and K. J. Sax. 2,582,918, Jan. 15.

Deinking and bleaching of paper. P. J. Massey and F. C. Goodwill. 2,582,496, Jan. 15.

Device for checking alignment of vehicle wheels. R. M. Greenleaf. 2,582,427, Jan. 15.

Device for clinching nails. O. I. A. Kågefors. 2,582,782, Jan. 15.

Device for producing chemical reactions in a flowing gas by electrical means. G. Guanella and O. A. Lardelli. 2,582,903, Jan. 15.

Device for severance of rigid materials. T. F. Gundlach. 2,582,694, Jan. 15.

Device for synchronizing the frequency of an oscillator to a control oscillation. C. E. G. Bailey. 2,582,668, Jan. 15.

Differential coil system for induction logging. H. G. Doll. 2,582,315, Jan. 15.

Differential load weighing device. A. C. Ruge. 2,582,886, Jan. 15.

Disappearing stairway. J. R. Craig. 2,582,622, Jan. 15.

Dish for fruit, Service. A. J. Folli. 2,582,245, Jan. 15.

Dispenser: *See*—
Matchbox dispenser.

Dispenser and toothbrush supporting means, Combination dentifrice. H. C. Blankenbiller. 2,582,671, Jan. 15.

Dispenser for pressure-sensitive tape. T. W. Berridge and H. F. Nordheim. 2,582,813, Jan. 15.

Dispenser with a longitudinal helical partition and a snap-on bottom closure strip, Salt-and-pepper. W. T. Dodson. 2,582,313, Jan. 15.

Dispensing apparatus. N. O. Loven and J. T. Efford. 2,582,262, Jan. 15.

Dispensing apparatus. R. W. O'Shaughnessy. 2,582,352, Jan. 15.

Dispensing bottle closure. W. E. Schwimmer and L. Maullin. 2,582,566, Jan. 15.

Dispensing unit with vented trap, Liquid. J. Harr. 2,582,752, Jan. 15.

Dispersions of vinyl chloride resins. G. M. Powell, 3rd, and T. E. Mullen. 2,582,354, Jan. 15.

Divan, Sectional. E. R. Miller. 2,582,355, Jan. 15.

Doffing mechanism for ring spinning, doubling, and twisting machines. J. J. Haythornthwaite. 2,582,696, Jan. 15.

Dome-shaped roof. R. Stemmons and W. L. Edel. 2,582,723, Jan. 15.

Door. J. Sylvan. 2,582,467, Jan. 15.

Door and window trim. L. J. Brew. 2,582,765, Jan. 15.

Door construction, Sidewalk. J. W. Gruse. 2,582,540, Jan. 15.

Door-gasket corner cutting tool. O. Altieri. 2,582,736, Jan. 15.

Door lock. E. D. Dall. 2,582,237, Jan. 15.

Door lock. E. D. Dall. 2,582,923–4, Jan. 15.

Door lock. E. D. Dall. 2,582,927–8, Jan. 15.

Double-faced scare-bird owl. J. R. Swisher and J. A. Soules. 2,582,514, Jan. 15.

Double-throw clamp tight switch. A. S. Caswell. 2,582,745, Jan. 15.

Drawer pull gauge. D. Riddle. 2,582,606, Jan. 15.

Dress. M. M. Mettler. 2,582,643, Jan. 15.

Drier roll. W. Westphal. 2,582,365, Jan. 15.

Drill stem testing device. D. Ragland. 2,582,718, Jan. 15.

Drilling mechanism, Hydraulic. C. M. O'Leary. 2,582,217, Jan. 15.

Drilling motion take-off. R. R. Crookston. 2,582,682, Jan. 15.

Drying machine for fabrics. J. Dungler. 2,582,241, Jan. 15.

Drying of hollow yarn bodies. R. v. Nes and A. Lelij. 2,582,806, Jan. 15.

Dual valve selective control handle assembly for combination faucets. F. Toop. 2,582,804, Jan. 15.

Dump box attachment for hydraulic fork lift. C. V. Sass. 2,582,759, Jan. 15.

Dust collector. R. B. Foley. 2,582,423, Jan. 15.

Earphone, Electromagnetic. H. B. Shaper. 2,582,287, Jan. 15.

Ear protector. K. Kaufmann. 2,582,907, Jan. 15.

Effluent cleaner and saver. M. C. Stinson. 2,582,401, Jan. 15.

Electric bell tone generator mechanism. J. T. Kunz. 2,582,441, Jan. 15.

Electric cord housing. H. V. Martin. 2,582,787, Jan. 15.

Electric farm gate. C. E. Young. 2,582,666, Jan. 15.

Electric field heat-treatment of liquids. J. W. Robertson. 2,582,281, Jan. 15.

Electric switch. W. A. Gussow. 2,582,326, Jan. 15.

Electric tunnel kiln. E. Van der Pyl. 2,582,855, Jan. 15.

Electrical capacitor. G. T. Kodama. 2,582,931, Jan. 15.

Electrical components, Producing. P. Eisler. 2,582,685, Jan. 15.

Electrical device. J. F. Levers and R. V. Patchett. 2,582,341, Jan. 15.

Electrical steel strip, Production of. J. M. Jackson and V. W. Carpenter. 2,582,382, Jan. 15.

Electrical test circuit. H. L. Messerschmidt. 2,582,499, Jan. 15.

Electrohydraulic operating unit for adjustable bed frames. E. V. and N. F. Schnippel, and D. D. Miller. 2,582,565, Jan. 15.

Electrohydraulic valve operating mechanism. C. Morey. 2,582,556, Jan. 15.

Electrolytically refining aluminum. P. Torchet. 2,582,661, Jan. 15.

Electromagnetic testing device for steel ropes. M. Jezewski and L. Szklarski. 2,582,437, Jan. 15.

Electronic start-stop to multiplex extensor. R. D. Slayton. 2,582,218, Jan. 15.

Electroplating copper. A. E. Chester and F. F. Reisinger. 2,582,233, Jan. 15.

End thrust type rotary cutter head. H. D. Woodside. 2,582,574, Jan. 15.

Engine and pump, Two-cycle. O. H. Erickson. 2,582,536, Jan. 15.

Esters and obtaining the same. E. M. Jones. 2,582,257, Jan. 15.

Esters of alpha-piperidino aliphatic acids and their production. E. M. Jones. 2,582,255, Jan. 15.

Esters of alpha-piperidino alpha cyclohexyl acetic acid and their production. E. M. Jones. 2,582,256, Jan. 15.

Expansible chamber rotary fluid displacement device. J. M. Clark. 2,582,413, Jan. 15.

Expansion head for torpedoes. T. C. Boyle. 2,582,226, Jan. 15.

Eye examining device having concave mirror. F. W. Brady. 2,582,227, Jan. 15.

Eyeshield structure. W. C. Moeller. 2,582,345. Jan. 15.

Fan, Electric. G. A. Dean. 2,582,532, Jan. 15.

Fan, Electric. G. C. Tulk. 2,582,572, Jan. 15.

Fastener: *See*—
Slide fastener.

Fastener. W. A. Bedford, Jr. 2,582,579, Jan. 15.

Fastener driving tool for two-step operation, Triggered. P. D. Becker. 2,582,578, Jan. 15.

Feed mechanism. E. Martin. 2,582,709, Jan. 15.

Feeder. E. C. Reynolds. 2,582,505, Jan. 15.

Female urinal. F. E. Siegenthal. 2,582,398, Jan. 15.

Filter: *See*—
Plastic edge type filter.

Filter. E. H. Mansfield. 2,582,388, Jan. 15.

Filter. C. L. Peterson, E. Kroff, and C. J. Peterson. 2,582,273, Jan. 15.

Filter housing. E. A. Creswick and T. F. Johnson. 2,582,311, Jan. 15.

Filter pack. C. T. Pump, Jr. 2,582,272, Jan. 15.

Filter unit. J. B. Sebok. 2,582,915, Jan. 15.

Fishhook. W. A. Crowder. 2,582,418, Jan. 15.

Fish lure. J. A. Gaylord. 2,582,627, Jan. 15.

Fish lure. W. H. Moore. 2,582,646, Jan. 15.

Fishing bobber. W. Blockinger. 2,582,619, Jan. 15.

Fishing line snap actuator, A. D. Rose. 2,582,758, Jan. 15.

Fishing reel. C. A. Smith. 2,582,289, Jan. 15.

Flap holder. R. J. Nagler. 2,582,502, Jan. 15.

Flexible coupling. J. A. Hendel. 2,582,249, Jan. 15.

Floor jack. M. Wiggins. 2,582,665, Jan. 15.

Flower snips. J. D. Arrowsmith. 2,582,472, Jan. 15.

Fluid conducting means. H. Warp. 2,582,515, Jan. 15.

Fluid-modified mounting. L. F. Thiry. 2,582,363, Jan. 15.

Fluidized carbonization of solids. F. A. Howard. 2,582,712, Jan. 15.

Fluidized carbonization process. K. J. Nelson. 2,582,711, Jan. 15.

Fluorine-containing lubricant. A. N. Sachanen. 2,582,283, Jan. 15.

Folder, Advertising. S. R. Larzelere. 2,582,908, Jan. 15.

Forehearth cooled refractory channel joint. M. M. Cannon, Jr. 2,582,477, Jan. 15.

Forming channels in thermoplastic materials. P. A. Williams. 2,582,368, Jan. 15.

Frame: *See*—
Bed frame.
Scaffold end frame.

Freezing apparatus, Food. W. L. Morrison. 2,582,789, Jan. 15.

Frequency changing circuit arrangement. M. J. O. Strutt and A. van der Ziel. 2,582,725, Jan. 15.

Frequency transposing device. M. Colas. 2,582,768, Jan. 15.

Friction device for holding wind wings open. H. D. Carbiener. 2,582,584, Jan. 15.

Fruit sauce products, Preparing. W. A. Rooker. 2,582,396, Jan. 15.

Fuel injection pump. G. C. Drouot. 2,582,535, Jan. 15.

Fuel injector for starting internal-combustion engines. T. C. Leake. 2,582,637, Jan. 15.

Fuel issuing machine, Coin-operated. G. Looser. 2,582,549, Jan. 15.

Fueling aircraft in flight. F. I. Steele. 2,582,609, Jan. 15.

Fungicidal preparation. L. A. Brooks. 2,582,857, Jan. 15.

Gallium, Producing. R. W. Brown. 2,582,378, Jan. 15.

Gallium, Producing. F. C. Frary. 2,582,376, Jan. 15.

Gambrel, Foldable and adjustable. W. H. Ferguson. 2,582,322, Jan. 15.

Game apparatus, Pneumatically actuated marble. C. L. Mourfield. 2,582,844, Jan. 15.

Garbage can rack. R. C. Heldenbrand. 2,582,906, Jan. 15.

Garment. H. L. Williams. 2,582,811, Jan. 15.

Garment, Combination. M. Egbert. 2,582,772, Jan. 15.

Garment hanger. R. Battle. 2,582,669, Jan. 15.

Garment hanger. H. D. Evans. 2,582,320, Jan. 15.

Garment hanger. W. Ludwig. 2,582,495, Jan. 15.

Garment protecting attachment for garment hangers. L. M. Jacomini. 2,582,633, Jan. 15.

Garment with sounding novelty, Child's. A. Jelaso, M. Wexler, and M. Hertzberg. 2,582,699, Jan. 15.

Gas burner controlling means. E. J. Dillman and J. E. Fleury. 2,582,419, Jan. 15.

Gas leak detector. O. Centofanti. 2,582,859, Jan. 15.

Gas mixtures rich in ammonia in generators, Manufacture of. Z. von Gálocsy. 2,582,936, Jan. 15.

Gaseous discharge device. J. Rothstein. 2,582,282, Jan. 15.

Gate: *See*—
Electric farm gate.

Gauge: *See*—
Capacitance type liquid quantity gauge.
Drawer pull gauge.

Gauge holder. W. E. Carroll. 2,582,679, Jan. 15.

Gear hardening machine. G. O. Gridley. 2,582,929, Jan. 15.

Gear testing machine. O. F. Bauer. 2,582,408, Jan. 15.

Generator: *See*—
Range marker generator.
Rapid, response, direct-current generator.
Standard impulse noise generator.

Glass ampoules, Manufacturing. G. Coby. 2,582,818, Jan. 15.

Glassware inspecting machine. E. H. Lorenz. 2,582,494, Jan. 15.

Glove. L. Dumas. 2,582,240, Jan. 15.

Grater having rotatable feed means. L. J. Faith-Ell. 2,582,244, Jan. 15.

Grill, Sandwich. L. J. Funke. 2,582,692, Jan. 15.
Grinding wheel feeding mechanism. H. L. Swainey. 2,582,610, Jan. 15.
Guiding means for heated press platen. R. K. Sedgwick. 2,582,889, Jan. 15.
Gun computer having target rate integrating means for determining target position. D. C. Bomberger, W. E. Ingerson, and H. G. Och. 2,582,474, Jan. 15.
Gun firing mechanism with cutout device. V. C. Bowser and G. W. Kinzelman. 2,582,225, Jan. 15.
Hair curler. A. H. Madoge. 2,582,550, Jan. 15.
Handbag. H. Meyers. 2,582,447, Jan. 15.
Hanger: *See* Garment hanger.
Hat. H. Lev. 2,582,192, Jan. 15.
Headrest. A. M. Thoma. 2,582,771, Jan. 15.
Heat exchanger. E. K. Kintner. 2,582,871, Jan. 15.
Heater: *See* Electric internal combustion engine head bolt heater.
Heater and vibrator, Combination. W. August. 2,582,617, Jan. 15.
Heater for refrigerator cars, Alcohol. L. A. Benedict and W. J. Klaner. 2,582,900, Jan. 15.
Hectograph master sheet. M. H. Lustbader. 2,582,932, Jan. 15.
High purity dicyclopentadiene. R. T. Businger and H. L. Gerhart. 2,582,920, Jan. 15.
Holder: *See* Flap holder. Skein holder. Gauge holder.
Holder and opener, Bobby pin. W. E. Roberts. 2,582,457, Jan. 15.
Holder for liquid containers with means for puncturing said containers, Dispensing. E. L. Thomas. 2,582,660, Jan. 15.
Holder for textile machines, Thread guide. W. Hoffmann. 2,582,778, Jan. 15.
Hook for wrist watch bands, Snap. J. L. Hajos and G. Vollet. 2,582,828, Jan. 15.
Horizontal gyratory roll crusher. C. A. Adams. 2,582,734, Jan. 15.
Hot moldable compositions comprising melamine-formaldehyde resin and acrylonitrile copolymer. H. P. Wohnsiedler and E. L. Kropa. 2,582,303, Jan. 15.
Hot plate. A. L. Alaj. 2,582,735, Jan. 15.
Hydraulic actuating mechanism for machining implements. R. G. Hall and S. M. Hill. 2,582,328, Jan. 15.
Hydraulic drive unit for washing machines. M. F. Wilcox. 2,582,810, Jan. 15.
Hydraulic lift. R. D. Acton. 2,582,896, Jan. 15.
Hydrocarbon drying oils having improved drying characteristics, Production of. A. E. Hoffman and H. S. Bloch. 2,582,434, Jan. 15.
Hydrolysis of steroid epoxides. P. E. Marlatt, A. R. Hanze, A. V. McIntosh, Jr., and R. H. Levin. 2,582,263, Jan. 15.
Ice cream pop manufacturing and packaging. P. Schenk. 2,582,655, Jan. 15.
Illuminating device for tank trucks. W. J. Tamminga. 2,582,659, Jan. 15.
Impulse testing and test impulse generating set. W. W. Fritschi. 2,582,691, Jan. 15.
Indicating changes in the composition of a gas. T. D. Morgan. 2,582,647, Jan. 15.
Indicator for the blind. J. B. Walker. 2,582,728, Jan. 15.
Insect control with an hydrogenated naphthylamine. R. D. Englert, H. J. Gerjovich, and M. Pijoan. 2,582,375, Jan. 15.
Installing helically preformed elements on cables. K. R. Runde. 2,582,797, Jan. 15.
Instrument for air and other craft, Altitude-indicating. G. H. Reid. 2,582,796, Jan. 15.
Instrument, Stud and joist layout. D. M. Auchard. 2,582,405, Jan. 15.
Interchangeable objective lens supporting means. J. Bolsey. 2,582,815, Jan. 15.
Interior illumination system for vehicles and recessed twin beam fixtures therefor. A. L. Arenberg. 2,582,738, Jan. 15.
Internal expanding brake. R. J. Kenny. 2,582,755, Jan. 15.
Ion trap type electron gun. C. S. Szegho. 2,582,402, Jan. 15.
Iron: *See* Temperature-controlled soldering iron.
Jack: *See* Floor jack. Pumping jack.
Jack for in-the-well pumps, Hydraulic pumping. F. W. Schneck and R. M. McNeill. 2,582,564, Jan. 15.
Jamb assembly. J. Sylvan. 2,582,468, Jan. 15.
Jet for dual fuel burners, Dual fuel. C. R. Bottom. 2,582,582, Jan. 15.
Joint: *See* Forehearth cooled refractory channel joint.
Justifying and differential spacing device for typewriters and the like. R. P. Clarkson. 2,582,372, Jan. 15.
Kitchen appliance, Power-driven palm grasped. E. M. Brown and F. V. Forss. 2,582,229, Jan. 15.
Knife, Carton opening. E. N. Burnett. 2,582,677, Jan. 15.
Knitting aid. T. F. Ellis, Jr. 2,582,319, Jan. 15.
Laboratory balance. L. S. Williams. 2,582,517, Jan. 15.
Ladder. R. O. Balogh. 2,582,520, Jan. 15.
Larch for slidable side jaw wrenches. M. K. and A. G. Hicks. 2,582,591, Jan. 15.
Lever lock. N. E. Hart. 2,582,484, Jan. 15.
Light with battery charging bracket, Portable electric. J. W. Hautala. 2,582,330, Jan. 15.
Lighter, Automatic cigarette. W. E. Moller. 2,582,882, Jan. 15.
Line-making device. J. F. Bosquet. 2,582,412, Jan. 15.
Lineal measuring device for elongated objects. E. C. McKeever. 2,582,644, Jan. 15.
Liquid control arrangement for washing machines. J. Hertz. 2,582,543, Jan. 15.
Liquid distributor for dividing a constant or variable stream of liquid into two partial streams. J. Beglinger. 2,582,523, Jan. 15.
Liquid feeding apparatus. C. F. Terrell, Jr. 2,582,802, Jan. 15.
Lock: *See* Automobile door lock. Lever lock. Door lock.
Lock. P. M. Brown. 2,582,309, Jan. 15.
Lock guard. J. Gangl. 2,582,424, Jan. 15.
Logarithmic circuit. F. A. Hester. 2,582,831, Jan. 15.
Logging tower, Portable. H. D. Larson. 2,582,548, Jan. 15.
Loom for the production of closely woven fabrics, Circular. H. Pelcé. 2,582,392, Jan. 15.
Lubricating device. C. M. Doyle. 2,582,901, Jan. 15.
Lubricating oil additives. S. B. Lippincott and A. H. Popkin. 2,582,708, Jan. 15.
Machine for mining tender stones or other mineral substances. P. E. Bataille. 2,582,521, Jan. 15.
Machine for producing wood screws. L. Viellard. 2,582,062, Jan. 15.
Magnetic fishing tool. J. A. Paysinger. 2,582,602, Jan. 15.
Magnetic separator. R. Planiol. 2,582,274, Jan. 15.
Magnetic suspension for horizontal shafts. L. I. Mendelsohn. 2,582,788, Jan. 15.
Magnetoelectric machine. P. Harsch and F. Rinkel. 2,582,866, Jan. 15.
Making compact metal strip and electrode produced therefrom. J. B. Brennan. 2,582,744, Jan. 15.
Making magnetic material. M. H. Heeren and M. Camras. 2,582,590, Jan. 15.
Map making apparatus. J. L. Dalke. 2,582,374, Jan. 15.
Marine bushing. F. B. Romero. 2,582,563, Jan. 15.
Massage device, Stimulating. B. Fabio. 2,582,686, Jan. 15.
Matchbox dispenser. M. Horn. 2,582,632, Jan. 15.
Material disseminating apparatus for airplanes. M. Carberry. 2,582,678, Jan. 15.
Material separating apparatus. D. A. Weber. 2,582,302, Jan. 15.
Materials produced from a polyethylene melamine. E. L. Kropa and H. P. Wohnsiedler. 2,582,594, Jan. 15.
Medicament applicator. H. E. Curry and H. A. Miller. 2,582,529, Jan. 15.
Metal hatch pontoon. K. W. Jernstrom. 2,582,436, Jan. 15.
Metal protecting compositions. J. C. Zimmer and G. W. Duncan. 2,582,733, Jan. 15.
Metal straightener and anvil, Adjustable. R. A. Peterson and L. J. Howell. 2,582,560, Jan. 15.
Metallurgy. M. J. Udy. 2,582,469, Jan. 15.
Metering device, Liquid. T. S. Macneish. 2,582,387, Jan. 15.
Milk protein products and process. E. P. Partridge. 2,582,353, Jan. 15.
Mirror. S. G. Malby. 2,582,786, Jan. 15.
Mirror, Dual vision rear view. J. G. Peterson. 2,582,651, Jan. 15.
Mixing circuit arrangement. A. van Weel. 2,582,726, Jan. 15.
Modified double solvent treatment. H. C. Myers. 2,582,883, Jan. 15.
Moisture tester. A. B. Hilton. 2,582,629, Jan. 15.
Motor: *See* Alternating current motor.
Motorcar fender with movable section. T. R. Lippard and J. E. Bendure. 2,582,839, Jan. 15.
Mounting: *See* Fluid-modified mounting. Pivotal mounting.
Mounting of rotary cutting means for paper, card, and the like. J. E. Battersby. 2,582,522, Jan. 15.
Mower teeth sharpener. A. W. Rinne. 2,582,607, Jan. 15.
Multiple harrow draft device. P. L. Donovan. 2,582,750, Jan. 15.
Multiple liquid processing container. F. Palik. 2,582,601, Jan. 15.
Multiport rotary disk valve. W. Horodeck. 2,582,333, Jan. 15.
Multispeed and multistroke fluid pressure apparatus. H. M. Stueland. 2,582,512, Jan. 15.
N-alkylaminopropiophenones. E. L. Engelhardt. 2,582,587, Jan. 15.
Nebulizer or the like. G. P. Trumbour and F. MacGregor. 2,582,805, Jan. 15.
Negative impedance repeater and loading system. J. L. Merrill, Jr. 2,582,498, Jan. 15.

Novel polysiloxane compound and preparing the same. R. O. Sauer. 2,582,799, Jan. 15.
Nozzle valve. E. N. Burnett. 2,582,527, Jan. 15.
Oil burner. R. D. Schoenwetter. 2,582,888, Jan. 15.
Oil well formation tester. G. H. Ramsey. 2,582,719, Jan. 15.
Oiling system for rock drills. H. O. Fossum. 2,582,689, Jan. 15.
Ointments containing oil-soluble antioxidants. G. W. Rigby. 2,582,395, Jan. 15.
Olefin copolymers having drying properties. H. S. Bloch and A. E. Hoffman. 2,582,411, Jan. 15.
Opener, Power can. A. B. Reed. 2,582,504, Jan. 15.
Opening and closing mechanism for windows. A. Parquette. 2,582,558, Jan. 15.
Opening bags. W. E. Higginbottom. 2,582,381, Jan. 15.
Opening-limiting system for turbine regulators. M. Frachon. 2,582,825, Jan. 15.
Optical projecting precision balance. F. Meinig. 2,582,876, Jan. 15.
Organo-cobalt chelates as accelerators of vulcanization. S. S. Prentiss and L. R. Sperberg. 2,582,795, Jan. 15.
Orthodontic bracket. A. B. Brusse. 2,582,230, Jan. 15.
Oscillator, Blocking. G. Hepp. 2,582,697, Jan. 15.
Overspeed governor. W. K. Bodger. 2,582,674, Jan. 15.
Pad: *See* Catamenial pad. Upholstery support pad.
Pan, Milk examining. R. L. Herring. 2,582,432, Jan. 15.
Pan with elastic sealing rings, Boiling. C. A. Steen. 2,582,801, Jan. 15.
Para-tertiary butylcyclohexanyl acetate. M. Bollmann and E. Kroning. 2,582,743, Jan. 15.
Patient handling attachment for bathtubs. C. V. Dorr. 2,582,586, Jan. 15.
Pen for scribers, Adjustable lettering. J. L. Poetzsch. 2,582,275, Jan. 15.
Pen, Fountain. J. M. Morris. 2,582,391, Jan. 15.
Person alerting device. N. C. Powlison. 2,582,277, Jan. 15.
Phase detector circuit. D. MacRae, Jr. 2,582,596, Jan. 15.
Phenylene diamine-formaldehyde resin preparation. D. Ramondt. 2,582,849, Jan. 15.
Phonograph mechanism. B. R. Kamler. 2,582,592, Jan. 15.
Phonograph record composition comprising vinyl resin and butadiene-acrylonitrile copolymer. J. W. Ayers. 2,582,704, Jan. 15.
Phonograph record molding compositions and records. J. W. Ayers. 2,582,741, Jan. 15.
Photocell. A. Rose. 2,582,850, Jan. 15.
Photographic triplet objective. P. H. Taylor. 2,582,362, Jan. 15.
Photometric device. H. Kott. 2,582,835, Jan. 15.
Pilot or relay valve. H. Escher. 2,582,626, Jan. 15.
Pipe and cigar holder attachment. J. L. Barbara. 2,582,618, Jan. 15.
Pipe spinner. A. L. Stone. 2,582,724, Jan. 15.
Pipe suspending device. M. R. Jones. 2,582,700, Jan. 15.
Pitch propeller, Jet-driven variable. J. U. Teague. 2,582,893, Jan. 15.
Pitch propeller, Variable. E. O. Pearson. 2,582,559, Jan. 15.
Pitter, Fruit. W. J. and C. E. Kruse. 2,582,636, Jan. 15.
Pivotal mounting. J. D. Ellis. 2,582,420, Jan. 15.
Planographic printing. D. A. Newman. 2,582,347, Jan. 15.
Plant thinning machine. L. B. Swafford. 2,582,513, Jan. 15.
Plastic edge type filter. R. R. Layte. 2,582,340, Jan. 15.
Plow, Trenching. T. P. Flynn. 2,582,538, Jan. 15.
Plow, Two-way. D. L. Carlson. 2,582,478, Jan. 15.
Plow, Two-way. S. Kaltoft. 2,582,337, Jan. 15.
Pneumatic seat and back rest lounging device. J. O. Kavanagh. 2,582,439, Jan. 15.
Pocket hatrack. S. L. Keene and R. T. Palmer. 2,582,338, Jan. 15.
Polyethylene stabilized with sulfur plus a vulcanization accelerator. B. A. Stiratelli. 2,582,510, Jan. 15.
Polymerization of conjugated diolefins. A. H. Gleason. 2,582,693, Jan. 15.
Polyvinyl alcohol gels with bis 1,3,5-triazine compounds. D. E. Sargent. 2,582,357, Jan. 15.
Powdering polyethylene. W. A. Haine. 2,582,327, Jan. 15.
Power drive means for irrigation pipe. G. Cornelius. 2,582,416, Jan. 15.
Power-driven display rack. H. C. Douglas. 2,582,623, Jan. 15.
Power take-off. W. F. Strehlow. 2,582,466, Jan. 15.
Power transmission belt. T. F. White. 2,582,366, Jan. 15.
Power wrench mechanism for ceramic filter presses. G. W. Lapp. 2,582,442, Jan. 15.
Preparation and degradation of steroid amines. P. E. Julian, E. W. Meyer, R. Schroeder, and A. Magnani. 2,582,258, Jan. 15.
Preparation and use of fluid plugs in oil well cementing. L. L. Laurence. 2,582,909, Jan. 15.
Preserved fish worm and solution for and method of preserving fish worms. J. A. Doyle, Jr. and G. W. Pirk. 2,582,534, Jan. 15.
Preserving rubber and product thereof. M. W. Harman. 2,582,695, Jan. 15.
Press: *See* Automatic molding press.
Pressure sealing bottle cap. R. E. Grueger. 2,582,489, Jan. 15.
Pressure sensitive switch. T. W. Hallerberg. 2,582,483, Jan. 15.
Prestressing reinforced concrete pipes. F. L. Fitzpatrick. 2,582,751, Jan. 15.
Process and apparatus for soaking, filtering, and settling of miscella through solid oil-bearing materials and solvent extraction thereof. M. Bonotto. 2,582,675, Jan. 15.
Process and device for the measuring of rotational velocities. W. Wahli. 2,582,727, Jan. 15.
Processing olives. R. N. Ball and E. V. Dellen. 2,582,371, Jan. 15.
Processing rubber. S. S. Prentiss. 2,582,278, Jan. 15.
Producing stiffened skin panel. A. L. Schoellerman. 2,582,358, Jan. 15.
Products obtained from a polyethylene melamine. H. P. Wohnsiedler and E. L. Kropa. 2,582,613, Jan. 15.
Prosthetic hand. J. E. Conzelman, Jr., H. B. Ellis, and C. W. O'Brien. 2,582,234, Jan. 15.
Protective covering of mutilations in beef carcasses. W. R. Sullivan and P. J. Cleary. 2,582,296, Jan. 15.
Protective sock with tubular marginal air enclosure having valve means. D. T. Mowbray. 2,582,648, Jan. 15.
Protector: *See* Conductor protector. Transparent watch protector. Ear protector.
Puller: *See* Stake puller.
Pulse width discriminator. C. H. Hoeppner. 2,582,251, Jan. 15.
Pump: *See* Fuel injection pump.
Pump for internal-combustion engines, Fuel injection. Y. A. Grimod. 2,582,539, Jan. 15.
Pumping jack. S. C. Kyle. 2,582,836, Jan. 15.
Punching apparatus. C. J. Hueber. 2,582,780, Jan. 15.
Purification of bacitracin by adsorption. J. Charney. 2,582,921, Jan. 15.
Push-bar. R. Burdick. 2,582,526, Jan. 15.
Quaternary ammonium compounds having a hydroxybutynyl substituent. W. J. Croxall and S. Melamed. 2,582,748, Jan. 15.
Quick-change casing stabbing board. F. L. O. Cranford. 2,582,528, Jan. 15.
Rack: *See* Garbage can rack. Power-driven display rack.
Rack for vehicles, Clothes. J. D. Patton. 2,582,650, Jan. 15.
Rack having movable parts, Display. H. C. Douglas. 2,582,624, Jan. 15.
Radiant heating installation. E. D. Tidd. 2,582,762, Jan. 15.
Radio beacon, Self-identifying reflecting. H. Chireix. 2,582,310, Jan. 15.
Radio beacon system. W. J. O'Brien. 2,582,350, Jan. 15.
Radio receiver, Superheterodyne. B. G. Dammers. 2,582,683, Jan. 15.
Rafter cutting and positioning jig. E. J. Tarperi. 2,582,892, Jan. 15.
Rail bond. W. P. Bovard. 2,582,937, Jan. 15.
Rail flaw detection apparatus. F. H. Keaton and D. C. Bettison. 2,582,440, Jan. 15.
Railroad car handling system and apparatus. E. J. Doehler. 2,582,316, Jan. 15.
Railroad tie dresser. J. Tackett. 2,582,658, Jan. 15.
Range marker generator. C. W. Sherwin. 2,582,608, Jan. 15.
Range oven door and window construction. A. L. Rose. 2,582,458, Jan. 15.
Rapid response direct current generator. R. P. L. M. David. 2,582,531, Jan. 15.
Razor blade, Safety. J. I. Pfefferle. 2,582,913, Jan. 15.
Reaction products of a polyethylene melamine and an alkyd resin. E. L. Kropa and H. P. Wohnsiedler. 2,582,704, Jan. 15.
Reaction products of ingredients comprising a polyethylene melamine and an ethylene urea. H. P. Wohnsiedler, and E. L. Kropa. 2,582,614, Jan. 15.
Reamer and producing same. J. Y. Blazek. 2,582,524, Jan. 15.
Rechipper with vibrating trough. E. I. Flateboe. 2,582,537, Jan. 15.
Record chip removal apparatus. C. L. Frederick. 2,582,939, Jan. 15.
Recording vibrational data, Method and apparatus for. E. G. Perry, Jr. 2,582,793, Jan. 15.
Recovery of gallium from alkali metal aluminate solutions. R. W. Brown. 2,582,377, Jan. 15.
Reducing local action in lead acid storage batteries. H. P. Murphy. 2,582,845, Jan. 15.
Reel: *See* Fishing reel.
Reel. W. McCaskie. 2,582,597, Jan. 15.
Reel for fluid treatment of filamentary materials. R. W. Stanley and W. B. Lowe. 2,582,293, Jan. 15.
Refrigerator cabinet. C. E. H. Frykdahl. 2,582,862, Jan. 15.
Regeneration of Fischer-Tropsch catalyst. H. Z. Martin and I. Mayer. 2,582,713, Jan. 15.
Register circuit. T. L. Dimond. 2,582,480, Jan. 15.

Removing free oxygen or free hydrogen from a gaseous medium. E. F. Rosenblatt. 2,582,885, Jan. 15.
Rendering ceramic materials water repellent. J. F. Hyde. 2,582,215, Jan. 15.
Repair unit for broken vehicle axles. W. S. Ausherman. 2,582,307, Jan. 15.
Retractable applicator. C. A. Mureau. 2,582,451, Jan. 15.
Roller stripping apparatus. P. Shaw. 2,582,359, Jan. 15.
Rotary drilling fluids. P. W. Fischer. 2,582,323, Jan. 15.
Rotary striping wheel paint striper and adapter for use with collapsible paint tube containers and the like. L. W. Coombs. 2,582,861, Jan. 15.
Rubber products, Production of. L. Harbison. 2,582,829, Jan. 15.
Safety anchor spacer plate or bar. W. L. Anderson. 2,582,897, Jan. 15.
Safety control for absorption refrigeration machines. L. H. Leonard, Jr. 2,582,837, Jan. 15.
Safety control system for oil burners. J. C. Gibson. 2,582,827, Jan. 15.
Sanding machine, Portable. A. B. Walker and H. J. Riddle. 2,582,470, Jan. 15.
Saw, Flying. C. E. Homer. 2,582,332, Jan. 15.
Scaffold construction. P. M. Knudsen. 2,582,385, Jan. 15.
Scaffold end frame. R. H. Dunn. 2,582,625, Jan. 15.
Screw controlled ball cock for tanks. M. W. Wuesthoff. 2,582,616, Jan. 15.
Screw thread upsetting tool. W. W. Wynne. 2,582,519, Jan. 15.
Seal tag. H. F. Stoffel. 2,582,295, Jan. 15.
Seat for folding chairs, Detachable flexible. W. L. Gittings, L. W. Christianson, and W. C. Johnson. 2,582,864, Jan. 15.
Seat mounting for theater chairs or the like. W. E. Nordmark. 2,582,599–600, Jan. 15.
Secondary air supply system and nozzle for underfeed stokers. E. C. Webb. 2,582,808, Jan. 15.
Sectional work connected table. P. Rosenberg. 2,582,935, Jan. 15.
Securing means for umbrella tops. D. December. 2,582,749, Jan. 15.
Seismometer. R. L. Congdon. 2,582,769, Jan. 15.
Selecting system. R. M. M. Oberman. 2,582,349, Jan. 15.
Separating acrylic acid esters, alcohols, and nickel chloride from mixtures thereof. J. L. Vaughan and D. R. Merrill. 2,582,299, Jan. 15.
Separation of hydrocarbons. C. B. Linn. 2,582,443, Jan. 15.
Separator: *See*—
Magnetic separator.
Separator plates for electric storage batteries, Manufacture of. A. Grözinger. 2,582,777, Jan. 15.
Servomotor and valve system therefor, Pressure fluid. C. F. Terwilleger. 2,582,570, Jan. 15.
Shade, Porch. F. M. Powers. 2,582,276, Jan. 15.
Shaft seal. S. S. Brown. 2,582,525, Jan. 15.
Shaving device. C. L. Volz. 2,582,807, Jan. 15.
Sheet feeding mechanism for typewriters or like machines. J. F. Kloski. 2,582,783, Jan. 15.
Shield, Cooking. L. O. W. Cordrey. 2,582,373, Jan. 15.
Shock resistant container. J. K. M. Harrison. 2,582,541, Jan. 15.
Shoe. G. A. Lyon. 2,582,910, Jan. 15.
Shoe heel structure. G. L. Malherbe. 2,582,551, Jan. 15.
Shoe stand with polishing cloth guides. G. J. Sherin. 2,582,567, Jan. 15.
Shoe uppers and the like, Formed. A. E. Ushakoff. 2,582,298, Jan. 15.
Silica-alumina bead catalyst, Preparation of. R. E. Schexnailder, Jr. 2,582,722, Jan. 15.
Silicon-containing alcohols. J. L. Speier, Jr. 2,582,569, Jan. 15.
Silicon-containing esters. J. L. Speier. 2,582,568, Jan. 15.
Sink construction and installation. M. D. Skinner. 2,582,463, Jan. 15.
Sink frame and mounting. W. L. Bonnell. 2,582,816, Jan. 15.
Sinker cap and operating mechanism. E. St. Pierre. 2,582,465, Jan. 15.
Sizing fibrous materials with modified urea-formaldehyde resin. C. S. Maxwell. 2,582,840, Jan. 15.
Skein holder. H. J. Maxfield. 2,582,497, Jan. 15.
Ski tow rope grip. R. F. Hoffman. 2,582,630, Jan. 15.
Sled, Motor propelled snow. I. J. Capiak. 2,582,858, Jan. 15.
Sled of the hand propelled type, Child's. H. J. Sedlacek. 2,582,507, Jan. 15.
Sleeve member for knob assemblies. W. A. Bedford, Jr. 2,582,580, Jan. 15.
Slide fastener. N. J. Poux. 2,582,456, Jan. 15.
Slit mechanism. A. M. Bergmann. 2,582,410, Jan. 15.
Smoking accessory. W. McGuire. 2,582,598, Jan. 15.
Snap switch. M. F. Kautz. 2,582,834, Jan. 15.
Softening agent for rubber and resultant rubber composition. F. M. McMillan and D. E. Winkler. 2,582,264, Jan. 15.
Soil conditioner. R. S. Tice. 2,582,364, Jan. 15.
Soleplate structure for electric steam irons. F. E. Finlayson. 2,582,773, Jan. 15.
Sorting machine, Portable. L. Kerian. 2,582,545, Jan. 15.
Spacing punch. N. Baldwin. 2,582,898, Jan. 15.
Spark arrester and protector for exhaust pipes. C. H. Harmon. 2,582,905, Jan. 15.
Spectacle frames or blanks, Manufacture of. J. R. K. Russell and A. Prasser. 2,582,798, Jan. 15.
Spectrometer, Mass. O. G. Koppius. 2,582,216, Jan. 15.
Speed control mechanism. W. W. Cushman. 2,582,236, Jan. 15.
Spike retaining device. L. Q. Moore. 2,582,757, Jan. 15.
Spindle drive for machine tools. E. J. Hirvonen. 2,582,698, Jan. 15.
Spindle for rotary power tools, Flexible. G. B. Larson and J. A. Perham. 2,582,873, Jan. 15.
Spindle, Textile mill. H. Gleitz, C. E. Miller, and J. D. Gleitz. 2,582,325, Jan. 15.
Sprayer. A. R. Mahlig and R. B. Hinely. 2,582,445, Jan. 15.
Spring unit for sofa beds, Folding. M. H. Harman. 2,582,904, Jan. 15.
Stacked container device. M. Essman. 2,582,421, Jan. 15.
Stake puller. L. J. Sarosdy. 2,582,284, Jan. 15.
Stand: *See*—
Collapsible display stand.
Standard impulse noise generator. H. C. Goodrich, Jr. 2,582,247, Jan. 15.
Stapling machine for applying labels. E. H. Young. 2,582,731, Jan. 15.
Steering mechanism. E. L. Potter. 2,582,455, Jan. 15.
Stocking blank and knitting. M. C. Miller. 2,582,756, Jan. 15.
Stoker mechanism. C. W. Bros. 2,582,583, Jan. 15.
Stopper, Automatic bottle. R. Dreyfus. 2,582,318, Jan. 15.
Stopper pull. J. Oftedahl. 2,582,269, Jan. 15.
Storage bin structure. R. V. Mathews. 2,582,641, Jan. 15.
Stove, Cooking. H. W. Sanford and W. P. Biddle, Jr. 2,582,887, Jan. 15.
Subsoil breaker. C. V. Edwards. 2,582,482, Jan. 15.
Suction cleaning apparatus. W. A. Ardito and J. Pickford. 2,582,219, Jan. 15.
Sunglasses. W. A. Mendelsohn. 2,582,554, Jan. 15.
Supercharging and fuel heating system for internal-combustion engines. A. Taub. 2,582,916, Jan. 15.
Support: *See*—
Truck chassis support.
Support for fur neckpieces. L. E. Berglund. 2,582,308, Jan. 15.
Surgical tool for cutting graft skin. H. H. Stryker. 2,582,511, Jan. 15.
Surveying apparatus. H. J. F. Coe. 2,582,681, Jan. 15.
Switch: *See*—
Double-throw clamp tight switch.
Electric switch.
Pressure sensitive switch.
Rotary electromagnetic transfer switch.
Snap switch.
Switching system with sequence message numbers checking, Telegraph. G. G. Light and W. B. Blanton. 2,582,707, Jan. 15.
Swiveling device for electric current. J. F. Sorenson. 2,582,800, Jan. 15.
Synthesis gas, Manufacture of. D. Eastman and L. P. Gaucher. 2,582,938, Jan. 15.
Synthetic estrogens. J. A. Hogg and A. H. Nathan. 2,582,253, Jan. 15.
Synthetic resins from maleic anhydridealkyl oleate adduct and an alkylene diamine. J. C. Cowan and H. M. Teeter. 2,582,235, Jan. 15.
Synthetic resins from natural polyhydroxy phenols. K. P. Monroe. 2,582,265–6, Jan. 15.
Table: *See*—
Combination hassock table.
Sectional work connected table.
Vertically adjustable table.
Tank reactor. W. J. Donohue. 2,582,317, Jan. 15.
Tank shutoff valve. B. Daily. 2,582,819, Jan. 15.
Tape-dispensing device. A. P. Krueger. 2,582,705, Jan. 15.
Target, Practice putting. H. Smith. 2,582,290, Jan. 15.
Telephone tray and retractable memo pad. F. H. Rice. 2,582,562, Jan. 15.
Television antenna assembly. J. P. Jones, Jr. 2,582,634, Jan. 15.
Temperature-controlled soldering iron. H. A. Dvorak, J. W. Juvinall and M. R. Miller. 2,582,481, Jan. 15.
Temperature regulation of air heaters. C. F. Hawley. 2,582,830, Jan. 15.
Temperature-sensing and/or sound velocity-measuring device. R. S. Cesaro and H. B. Harris. 2,582,232, Jan. 15.
Tension warp letoff for looms. G. A. Geeraert. 2,582,863, Jan. 15.
Textile fabrics resistant to fungi and bacteria, Water-repellent. P. V. Keyser, Jr., J. W. Schick, and H. D. Hartough. 2,582,870, Jan. 15.
Thermionic valve integrating circuit. L. E. Land. 2,582,490, Jan. 15.
Thermostatic fuel control system. F. H. Huntley. 2,582,334, Jan. 15.
Thiosemicarbazide rodenticide. E. Waletzky and A. Bliznick. 2,582,940, Jan. 15.
Throttling device. F. Aagaard. 2,582,917, Jan. 15.
Ticket pad and dispensing tray therefor. G. W. Luppold. 2,582,785, Jan. 15.
Tile perforating machine. E. C. Milliken and J. M. Roth. 2,582,645, Jan. 15.

Tilting mechanism for foundry ladles and the like. A. D. Oldham and F. J. Sabla. 2,582,912, Jan. 15.
Timepiece, Calendar. F. Meyer. 2,582,879, Jan. 15.
Timer for causing brief actuations at prolonged intervals. E. L. Schellens. 2,582,285, Jan. 15.
Tire removing apparatus of the percussion type. E. W. Moore. 2,582,390, Jan. 15.
Toaster. C. Schoonmaker. 2,582,760, Jan. 15.
Toggle switch operating device. M. Goldberg. 2,582,379, Jan. 15.
Tongue for motorless vehicles, Adjustable. C. I. Leveke. 2,582,595, Jan. 15.
Tool: *See*—
Axially collapsing type removing hand tool.
Castrating band applying tool.
Door-gasket corner cutting tool.
Magnetic fishing tool.
Screw thread upsetting tool.
Tool and making same, Abrasive. L. Catallo. 2,582,231, Jan. 15.
Tool for collapsing anchoring sockets, Expanding. G. F. Croessant. 2,582,417, Jan. 15.
Tool for installing tubular rivets, Manually operable. S. L. Gookin. 2,582,248, Jan. 15.
Toothbrush. F. J. Zavada. 2,582,404, Jan. 15.
Torque dynamometer. D. C. Lumb and B. Pundick. 2,582,784, Jan. 15.
Toy, Air operated figure. J. N. Zelik. 2,582,856, Jan. 15.
Toy chest. I. Young. 2,582,575, Jan. 15.
Toy furniture, Sectional. R. H. McMurtrie. 2,582,553, Jan. 15.
Track control unit. E. Fennessy, G. E. Roberts, and R. Calvert. 2,582,588, Jan. 15.
Tractor, Garden. G. A. Heilman. 2,582,430, Jan. 15.
Trailer caster. E. M. Nelson. 2,582,716, Jan. 15.
Trailer, Folding camp. W. F. Kipple. 2,582,635, Jan. 15.
Transformer construction. J. G. Sola. 2,582,291, Jan. 15.
Transient analyzer. A. C. Ruge. 2,582,851, Jan. 15.
Transmission. R. A. Beckwith. 2,582,220, Jan. 15.
Transmission. D. W. Kelbel. 2,582,487, Jan. 15.
Transmission control, Dual. C. Young. 2,582,895, Jan. 15.
Transonic wind tunnel. W. W. Beman and J. H. Weaver. 2,582,814, Jan. 15.
Transparent, flame-resistant polystyrene. H. S. Olson and R. C. Danison. 2,582,452, Jan. 15.
Transparent watch protector. G. Belfert. 2,582,473, Jan. 15.
Tray for use in refining towers. H. C. Glitsch. 2,582,826, Jan. 15.
Treating waste liquor from paper. P. Paren. 2,582,792, Jan. 15.
Treatment of silica-alumina containing gels. E. A. Hunter. 2,582,254, Jan. 15.
Tripolymer of a vinyl aromatic compound, a coumarone-indene fraction and material recovered from a hydrocarbon-catalyst sludge. E. M. Geiser. 2,582,425, Jan. 15.
Trough and box, Meter. M. J. Lewis. 2,582,638, Jan. 15.
Truck attachment, Industrial. S. Weiss. 2,582,663, Jan. 15
Truck chassis support. C. C. Carey. 2,582,767, Jan. 15.
Tube: *See*—
Curing tube.
Tube cutter. H. Bachli and H. S. Shapiro. 2,582,406, Jan. 15.
Tube patch. C. A. Cornell. 2,582,770–1, Jan. 15.
Tube structure, Electron. D. F. Drieschman and H. H. Eaves. 2,582,684, Jan. 15.
Tube with aluminized screen, Cathode-ray. H. J. Evans. 2,582,822, Jan. 15.
Tuning apparatus for radio receivers and the like. M. J. Groenenberg. 2,582,380, Jan. 15.
Tuyère construction with cooling and steam feeding means. G. H. Wolfe and D. E. Mackenzie. 2,582,615, Jan. 15.
2-alkoxyphenethyl-6-carboxycyclohexene-1-one-3 esters and preparing same. J. A. Hogg. 2,582,252, Jan. 15.
Type bar actuating mechanism for typewriters. A. Tombolini. 2,582,803, Jan. 15.
Type bar mechanism for typewriters with segment shift device. J. F. Wunderlich and O. Brandenburg. 2,582,369, Jan. 15.
Upholstery support pad. W. A. Clark and L. A. Young. 2,582,479, Jan. 15.
Uranium chlorides, Producing. C. D. Wilder. 2,582,941, Jan. 15.
Valve: *See*—
Automatic charging and vent valve.
Multiport rotary disk valve.
Nozzle valve.
Pilot or relay valve.
Tank shutoff valve.
Valve. W. F. Albrecht. 2,582,370, Jan. 15.
Valve closure. L. A. Mekler. 2,582,877, Jan. 15.
Valve for flush tanks, Inlet float. H. F. Smith. 2,582,853, Jan. 15.
Valve for vacuum brakes, Trailer relay. N. C. Williams. 2,582,612, Jan. 15.
Vaporizing sulfur. C. A. Porter and G. W. Rollin. 2,582,794, Jan. 15.
Vaporizing type oil burner and ignition means. B. I. J. Stamm. 2,582,890, Jan. 15.
Variable rate spring suspension. H. E. Greene. 2,582,426, Jan. 15.
Variable resistance. A. Lilley. 2,582,343, Jan. 15.
Variable-speed gearing. G. Colucci. 2,582,620, Jan. 15.
Vehicle: *See*—
Convertible vehicle.
Vehicle door panel structure. A. Rappl. 2,582,394, Jan. 15.
Vehicle underframe and coupler support structure, Railway. A. W. Clarke and W. C. Krautheim. 2,582,414, Jan. 15.
Vending machine. H. A. Burggrabe. 2,582,766, Jan. 15.
Venetian blind. B. Walker. 2,582,301, Jan. 15.
Ventilating device. J. R. Rauhut. 2,582,356, Jan. 15.
Ventilating device, Vehicle. J. K. Reed. 2,582,914, Jan. 15.
Ventilator, Power-operated. F. H. Gohl. 2,582,902, Jan. 15.
Vertically adjustable table. E. L. Page. 2,582,791, Jan. 15.
Vibration dampener. A. M. Schwartz and H. M. Sonneborn. 2,582,397, Jan. 15.
Vitamin B_{12} purification process. H. H. Fricke. 2,582,589, Jan. 15.
Vulcanizing rubber and products thereof. D. J. Beaver. 2,582,670, Jan. 15.
Vulcanizing rubber and product thereof. R. O. Zerbe. 2,582,732, Jan. 15.
Watch. S. M. Kudelski. 2,582,706, Jan. 15.
Water repellent treatment of textiles with long chain substituted phenol aldehyde resin emulsion. C. G. Dodd. 2,582,239, Jan. 15.
Wave form converter. R. M. Page. 2,582,271, Jan. 15.
Wear indicating device for drill bits. D. L. Del'Homme. 2,582,312, Jan. 15.
Weaving electrical resistance devices. J. F. Levers and R. V. Patchett. 2,582,342, Jan. 15.
Web unrolling apparatus. C. A. Dickhaut. 2,582,820, Jan. 15.
Weighing scale poise. H. W. Hem. 2,582,485, Jan. 15.
Welding. A. J. Nerad. 2,582,268, Jan. 15.
Welding shield. J. W. Clerke. 2,582,860, Jan. 15.
Well head sealing arrangement. M. T. Works. 2,582,518, Jan. 15.
Well logging system, Electromagnetic. H.-G. Doll. 2,582,314, Jan. 15.
Well packer. I. Daetwiler. 2,582,530, Jan. 15.
Whatnot shelf. W. B. Palkman. 2,582,557, Jan. 15.
Wheel: *See*—
Buffing wheel.
Wheeled carrier. E. A. Howard. 2,582,435, Jan. 15.
Windshield wiper. R. M. Pierce. 2,582,717, Jan. 15.
Winding machine. H. L. Haswell. 2,582,429, Jan. 15.
Window bead and fastener therefor. J. S. Saban. 2,582,654, Jan. 15.
Wire-forming machine. A. M. Zweyer. 2,582,576, Jan. 15.
Wood finishing apparatus. L. H. Jones. 2,582,438, Jan. 15.
Work holder and support therefor, including motor mount, Vertically adjustable. A. Von Gunten. 2,582,573, Jan. 15.
Work holder for riveting machines. N. C. Moore. 2,582,501, Jan. 15.
Work holding chuck. A. E. Church. 2,582,680, Jan. 15.
Working fluid for use in refrigerating systems and preventing corrosion in refrigerating systems. G. F. Zellhoefer and S. E. Vickers. 2,582,306, Jan. 15.
Wrench: *See*—
Cam actuated slidable jaw wrench.
X-ray apparatus. E. E. Greenberg, A. H. Feibel, and W. L. Todd. 2,582,776, Jan. 15.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 15, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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Condition of Applications Under Examination at Close of Business Dec. 21, 1951

Total number of patent applications awaiting action, 105,875. Date of oldest new application, February 21, 1951; date of oldest amended application, February 23, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	2-26-51	2-23-51	2236
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	6-4-51	5-17-51	1071
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	5-4-51	5-3-51	1612
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	3-3-51	3-1-51	1984
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	5-3-51	5-1-51	1226
6. SURLE, H., Carbon Chemistry (part)	4-5-51	4-9-51	1970
7. GONSALVES, J. E., Optics; Photography (part)	4-27-51	4-18-51	1289
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	3-13-51	3-14-51	1823
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	3-3-51	3-3-51	1585
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-Electric Crystals.	3-1-51	3-2-51	1143
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	4-4-51	3-26-51	1055
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-28-51	3-9-51	1051
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	2-26-51	3-7-51	1241
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	3-12-50	3-8-50	1654
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	5-9-51	5-8-51	1257
16. LOVEWELL, N. N., Television, Telephony	3-5-51	2-24-51	1249
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	3-2-51	3-2-51	1833
18. KURZ, J. A., Power Plants; Speed Responsive Devices	3-2-51	2-28-51	1497
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	2-26-51	2-28-51	1167
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	3-15-51	3-15-51	1457
21. MADER, R. C., Textiles	2-28-51	2-23-51	1460
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	3-9-51	3-5-51	1288
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	2-23-51	2-24-51	864
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	5-1-51	4-26-51	1617
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	4-19-51	4-6-51	1341
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	3-1-51	2-26-51	1220
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	2-28-51	2-23-51	1894
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	3-2-51	3-2-51	1503
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	3-5-51	3-2-51	1473
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	4-27-51	4-27-51	1540
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-19-51	4-13-51	2021
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	3-27-51	3-20-51	1338
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	3-16-51	3-13-51	2169
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	3-22-51	3-22-51	1312
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	3-1-51	3-1-51	1621
36. McFADYEN, A. D., Measuring and Testing	2-21-51	2-23-51	1370
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	4-23-51	4-14-51	1222
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	3-31-51	3-3-51	1487
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	4-14-51	4-14-51	2192
40. DRUMMOND, E. J., Receptacles (part); Packages	3-12-51	3-26-51	2522
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	3-3-51	3-1-51	1230

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 105,875. Date of oldest new application, February 21, 1951; date of oldest amended application, February 23, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	3-26-51	3-19-51	1329
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	4-19-51	5-5-51	1194
44. HARVEY, L. P., Beds; Chairs, Seats	3-16-51	3-8-51	1456
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	2-28-51	3-1-51	1520
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	3-30-51	3-26-51	986
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	3-13-51	3-12-51	1476
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	3-27-51	3-13-51	1539
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	3-12-51	3-6-51	1678
50. LEVIN, S., Synthetic Resins	6-11-51	6-1-51	1601
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	2-27-51	2-24-51	1103
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	3-1-51	3-1-51	2230
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	4-26-51	4-4-51	1126
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	3-19-51	3-21-51	1656
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	4-5-51	4-18-51	1167
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	4-11-51	4-11-51	1722
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	4-6-51	4-7-51	1830
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	3-29-51	3-16-51	1250
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	3-16-51	3-14-51	1237
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	3-20-51	3-24-51	1099
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-13-51	3-23-51	1359
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	3-21-51	3-9-51	1415
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages, Carbon Chemistry (part)	4-10-51	4-2-51	1786
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	5-10-51	5-11-51	1826
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	4-2-51	4-2-51	1430
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	3-2-51	2-27-51	1109
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	3-27-51	3-26-51	1282
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	2-28-51	3-2-51	1780
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	3-1-51	3-2-51	1364
70. BREWRINK, J. L., Firearms, Ordnance, Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	2-23-51	2-27-51	1609
DESIGNS. A. BREHM, G. L., Industrial Arts	8-3-51	8-16-51	970
DESIGNS. B. GRAY, M. A., Household, Personal and Fine Arts	7-13-51	8-16-51	662

Total number of trade-mark applications awaiting action (including renewals and republications), 15,677. Date of oldest new application, May 25, 1951; date of oldest amended application, May 22, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	5-25-51	5-22-51	4903
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	6-27-51	6-27-51	3120
Renewals (All Classes)	10-12-51	11-15-51	603
Republications (All Classes)	11-1-51	11-15-51	305
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	6-1-51	6-1-51	3728
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	6-21-51	6-4-51	3018

NOTICES

Disclaimers

2,401,384.—*Norman H. Young, Jr.*, Jackson Heights, N. Y. TELEVISION SYSTEM. Patent dated June 4, 1946. Disclaimer filed Dec. 8, 1951, by the assignee, *Federal Telephone and Radio Corporation.*

Hereby enters this disclaimer to claims 1, 3, and 4 of said patent.

2,470,677.—*Warren A. Anderson*, Nutley, N. J. SYNCHRONOUS REGENERATOR. Patent dated May 17, 1949. Disclaimer filed Dec. 5, 1951, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claim 6 of said patent.

2,496,266.—*George E. Brode*, Newark, and *Hayes B. Steinhauser*, Montclair, N. J. TWO-WAY AMPLIFIER FOR ELIMINATING OPPOSITELY DIRECTED SIGNALS. Patent dated Feb. 7, 1950. Disclaimer filed Dec. 8, 1951, by the assignee, *Federal Telephone and Radio Corporation.*

Hereby enters this disclaimer to claims 1 to 4, inclusive, of said patent.

2,499,296.—*Stephen N. Buchanan*, Westmoreland Hills, Md. ELECTRIC CONNECTOR. Patent dated Feb. 28, 1950. Disclaimer filed Dec. 18, 1951, by the inventor; the assignee, *Buchanan Electrical Products Corporation*, consenting.

Hereby enters this disclaimer to claims 4, 5, 6, and 7 of said patent.

2,502,360.—*Samuel B. Williams*, Brooklyn, N. Y. ELECTRONIC COMPUTER. Patent dated Mar. 28, 1950. Disclaimer filed Nov. 23, 1951, by the assignee, *Bell Telephone Laboratories, Incorporated.*

Hereby enters this disclaimer to claims 4 and 5 of said patent.

2,534,194.—*Clayton F. Emmert* and *William H. Stouder*, Newton, Iowa. WASHING MACHINE. Patent dated Dec. 12, 1950. Disclaimer filed Dec. 17, 1951, by the inventors; the assignee, *Automatic Washer Company*, agreeing and consenting.

Hereby enter this disclaimer to claim 2 of said patent.

Price of the Official Gazette

The Superintendent of Documents has informed the Commissioner of Patents that effective October 30, 1951, the annual subscription to the OFFICIAL GAZETTE is increased to $38.75 for domestic mailing with an additional charge of $10.50 for foreign mailing. Single copies are now 75 cents each.

T. B. MORROW,
Executive Officer.

Amendments to Amendments

RULE 74. When an amendatory clause is amended, it must be wholly rewritten, so that no interlineation or erasure shall appear in the clause, as finally amended, when the application is passed to issue. If the number or nature of the amendments shall render it otherwise difficult to consider the case or to arrange the papers for printing or copying, the Examiner or Commissioner may require the entire specification to be rewritten.

No Notification by Examiner of Status of a Case Decided by Board

After any decision of the Board of Appeals, it is unnecessary and improper for the Examiner to notify the applicant of the status of the case unless asked to do so. Responsive action must be taken by the applicant on his own initiative within six months from the date of the decision.

Amendment Filed by an Attorney Not of Record

When an amendment is filed, signed by an attorney whose power is not of record, he, as well as the applicant, should be notified that the amendment cannot be entered.

When the Examiner's letter is of such a character that the six months for amendment runs from the date of a previous action, a statement to that effect should be made at the end of the letter and the date from which the six months runs given.

Communications to the Patent Office

A separate letter should in every case be written in relation to each distinct subject of inquiry or application. Assignments for record, final fees, and orders for copies or abstracts must be sent to the Office in separate letters. (See Rule 4.)

Reservation Clauses Not Permitted

RULE 79. A reservation for a future application of subject-matter disclosed but not claimed in a pending application will not be permitted in the pending application.

Vol. 654 • No. 3 Tuesday, January 15, 1952 Price $38.75 per year

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PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

The TRADE-MARK SUPPLEMENT to the OFFICIAL GAZETTE, issued weekly, subscription price, $22.75 per annum; single copies, 45 cents each. DECISION LEAFLETS, subscription price, $3.75 per year; single copies, 10 cents each.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

Examiners' Letters and Amendments

Examiners are directed to recite in each letter in an application the date of the action by the applicant to which it is a reply, and applicants are requested to indicate in their actions on an application the date of the last Office letter.

Adverse Decisions in Interference

Where the claims of a patent are affected by adverse decision or concession of priority as the result of an interference, a notice as to the patented claims thus affected will be published in the OFFICIAL GAZETTE after final decision in the proceedings.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,561,260. Packing Swing. Patented July 17, 1951. A packing for suspending articles within a shipping container to prevent breakage. A rectangular blank of cardboad or paperboard has intersecting longitudinal and transverse fold lines running at right angles to each other, and J-shaped slots along certain of the fold lines. The blank may be folded to provide a telescoping box-like outer container with an inner article-supporting swing, having a seat spaced above bottom of container. Should it be desired to pack more than one article in one swing, the blank can be arranged to form partitions. (Owner) Daniel M. Yaupp, 1447 Olive Ave., Chicago 26, Ill. Groups 26—61—63—91 ; 40. Reg. No. 46,216.

Pat. 2,558,202. Well Drilling Machine. Patented June 26, 1951. Machine has a base frame with a derrick pivotally supported above its lower end at the front end of the frame for swinging movement to upright position, or to substantially horizontal position over the frame. A walking beam pivotally mounted adjacent the pivotal connection of the derrick extends rearwardly over the frame. A frame carrying a cable tensioning pulley may be pivotally connected to the walking beam at either side of a connection for actuating the beam to vary the length of the drilling stroke. A drilling cable wound on a drum on the base frame extends over a pulley on the forward end of the walking beam, then rearwardly beneath the tensioning pulley, then upwardly and over a pulley at top of derrick. The frame carrying the tensioning pulley is resiliently urged downwardly to tension the cable and absorb shocks during drilling operations. (Owner) Hugh H. Wilburn, 812 East 7th St., The Dalles, Oreg. Group 35—32. Reg. No. 46,217.

Pat. 2,562,805. Motor-Driven Rotary Toothbrush. Patented July 31, 1951. Toothbrush employs brushes rotating in opposite directions and a clutch which may be engaged to rotate the brushes and disengaged to stop the brushes. The brushes, disposed in an open-sided housing, are mounted on parallel shafts extending through a neck portion of the housing. The neck and an intermediate handle portion are detachably connected for relative longitudinal movement. The neck may be moved toward the handle portion to cause truncated conical ends of a pair of parallel drive shafts within the handle portion to clutchingly engage conical sockets in the ends of the brush shafts to rotate the brushes. (Owner) Delio Martinez Martinez, % Lamparas Quesada, S. A., Apartado 1630, Havana, Cuba. Group 39—17—22. Reg. No. 46,218.

United States Government Owned Patents

The following U. S. Letters Patent owned by the United States Atomic Energy Commission have been made available for licensing by the Commission. Licenses will be granted to applicants on a non-exclusive, royalty-free basis. Applicants for licenses should apply to the Chief, Patent Branch, Office of the General Counsel, U. S. Atomic Energy Commission, Washington 25, D. C., identifying the subject matter by patent number and title.

Pat. 2,567,956. High-Pressure Polymerization of Perhaloolefins. Patented Sept. 18, 1951. This patent pertains to a method of producing commercially satisfactory solid polymers from halogenated compounds of carbon and fluorine or carbon, fluorine, and chlorine containing 2 to 4 carbon atoms. Polymerization is accomplished in the presence of a small amount of a chemical promoter such as benzoyl peroxide at a temperature in the range of from room temperature to 70° C. and under a pressure of from 10,000 to 20,000 kilograms per square centimeter. Group 28—83. Reg. No. 46,219.

Pat. 2,572,156. Process of Producing Uranium Hexachloride. Patented Oct. 23, 1951. This patent describes a process for producing uranium hexachloride. Uranium pentachloride is heated to a temperature in the range of 80° to 180° C. and under a pressure of about 10^{-3} mm. of mercury or less, whereupon uranium hexachloride sublimes and is separately condensed. Group 28—88—89. Reg. No. 46,220.

Pat. 2,572,600. Mass Spectrograph. Patented Oct. 23, 1951. This patent covers an improved mass spectrograph in which correction for the divergence or convergence of the associated ion beam is obtained by providing adjustable magnetic lens equipment to afford a variable angle of incidence at the entrant boundary of the homogeneous magnetic field. Group 39—12. Reg. No. 46,221.

Pat. 2,573,069. Method and Apparatus for Measuring Strong Alpha Emitters. Patented Oct. 30, 1951. This patent describes an apparatus and method for the determination of the strength of a strong alpha emitter. The apparatus is so arranged that the alpha particles impinge upon a material which emits neutrons as a result of such bombardment. The neutrons so obtained in turn impinge upon a monitoring material and cause a radioactivity in such monitoring material. By determining the amount of radioactivity in the last named material under standardized conditions, one obtains the relative strength of the alpha emitter. Group 36—13. Reg. No. 46,222.

Pat. 2,573,639. Manufacture of Porous Articles From Trifluorochloroethylene Polymer. Patented Oct. 30, 1951. This patent discloses a method of preparing a porous article of trifluorochloroethylene polymer. The finely divided powder of the polymer is cold-molded at a pressure greater than 500 pounds per square inch and after removing from the mold is sintered at an elevated temperature not in excess of 250° C. Group 28—83. Reg. No. 46,223.

Pat. 2,573,649. Gas Analyzer. Patented Oct. 30, 1951. This patent describes a gas analyzer for continuously determining the composition of a binary gaseous mixture having a condensable component which has a high degree of relative accuracy under changing conditions of flow and composition. Group 36—13. Reg. No. 46,224.

Pat. 2,574,268. Manufacture of Uranium Tetrachloride. Patented Nov. 6, 1951. This patent relates to a process for producing uranium tetrachloride. An oxide of uranium is reacted with trichloroacetyl chloride within a temperature range of 135° C. to 225° C. and at substantially atmospheric pressure. Groups 28—86—89 ; 32—95. Reg. No. 46,225.

Pat. 2,574,619. Process for the Preparation of Fluorocarbons. Patented Nov. 13, 1951. This patent covers a method of producing saturated fluorocarbons. Hydrocarbon in vapor phase and fluorine gas, each diluted with an inert constituent such as nitrogen, are introduced separately into a reaction chamber where the mixture comes in contact with a heat conductive metal base having thereon an adherent layer of a metal fluoride such as silver, cobalt, manganese, or cerium at a temperature of 100° C. to 400° C. and subsequently separating the fluorocarbon from the resultant product. Group 28—86—89. Reg. No. 46,226.

Pat. 2,574,626. Uranium-Cobalt Alloys. Patented Nov. 13, 1951. This patent covers a new uranium-cobalt alloy having a composition corresponding to the formula UCo_2. Group 34—29. Reg. No. 46,227.

Pat. 2,574,627. Uranium-Cobalt Alloys. Patented Nov. 13, 1951. This patent covers a new uranium-cobalt intermetallic compound corresponding to the formula U_6Co which has a density of about 17.7 grams per cubic centimeter. Group 34—29. Reg. No. 46,228.

Pat. 2,574,632. Radiation Detection and Measuring Apparatus and Methods. Patented Nov. 13, 1951. This patent pertains to an improved apparatus and method for the detection and comparative measurement of positive and negative beta particle radiation useful in determining the relative amounts of the different radiations emitted from a single sample of material. The sample of radioactive material is held in proximity to a strong uni-directional magnetic field in such manner that the beta particles emitted will be directed transversely of the field. By means of removable shields and suitable detecting apparatus the relative intensity of the positive and negative beta particle radiation is determined. Groups 36—13 ; 39—11. Reg. No. 46,229.

Pat. 2,574,649. Alkyl Ether of Chlorofluoroheptene. Patented Nov. 13, 1951. This patent describes a method for the production of novel ethers of halogenated heptenes containing at least eight fluorine atoms in the heptene radical. These alkyl ethers are prepared by reacting a metal alcoholate with a highly fluorinated product of halogenated heptane. Group 28—86—88—89. Reg. No. 46,230.

Pat. 2,574,655. Apparatus for Focusing High-Energy Particles. Patented Nov. 13, 1951. This patent covers a magnetic arc lens adapted to be disposed in the path of and parallel to a beam of high energy particles. By employment of suitable equipment and proper pulsing, an arc is established between the electrodes disposed in the path of the beam which develops a magnetic field having a focusing action on the particles comprising the beam. Group 36—19. Reg. No. 46,231.

Pat. 2,574,681. Materials and Methods for Radiography. Patented Nov. 13, 1951. This patent describes a method for radiographing objects comprising placing the object to be radiographed between a cadmium element and a gamma radiation sensitive film at a substantial distance from the cadmium element, and exposing the cadmium element to a collimated beam of slow neutron radiation, said film being placed out of the path of the neutron beam. Group 39—12. Reg. No. 46,232.

Pat. 2,574,841. Timing Apparatus. Patented Nov. 13, 1951. This patent covers a new and improved fast timing means suitable for controlling the final stages of cloud chamber operations in conjunction with a particle accelerator. The mechanical driving structure affords intermittent rotation of a timer shaft having a plurality of adjustable switch elements. Moving parts are designed to have relatively small inertia. Group 36—19. Reg. No. 46,233.

Pat. 2,574,842. Methods and Apparatus for Purifying and Packaging Uranium Hexachloride. Patented Nov. 13, 1951. This patent pertains to a method for preparing and packaging uranium hexachloride comprising heating uranium pentachloride at a temperature below about 250° C. and condensing the uranium hexachloride sublimate in a separate zone, subsequently transferring the solid sublimate to another container and hermetically sealing the same, all while maintaining the system under a vacuum. Group 28—86—88—89. Reg. No. 46,234.

Pat. 2,575,759. Counter Chronographs. Patented Nov. 20, 1951. This patent describes a simply constructed precise electronic chronograph for measuring time intervals of the order of hundreds of microseconds. The control means are quick acting and automatically reset the system for successive timing operations. Groups 36—13; 39—11. Reg. No. 46,235.

Pat. 2,575,760. The Preparation of Heavy Metal Borohydrides. Patented Nov. 20, 1951. This patent covers borohydrides of zirconium or hafnium of certain specified melting and boiling points and methods of preparation. These borohydrides may be prepared by the reaction between an alkali metal double fluoride of zirconium or hafnium with a borohydride such as aluminum borohydride in an inert atmosphere. Groups 28—86—88—89; 32—95. Reg. No. 46,236.

Pat. 2,576,600. Devices for Generating Neutrons. Patented Nov. 27, 1951. This patent describes a neutron-generating device which will operate at a uniform output level. The generator employs a high energy particle beam which impinges upon a target of a nuclear disintegrable material, said target being rotatable and so arranged that only a part of the target area is normally subjected to the particle beam at any one time. Group 36—13—19. Reg. No. 46,237.

Pat. 2,567,601. Methods of Accelerating Ions. Patented Nov. 27, 1951. This patent describes a method of operating an ion source so as to produce a large number of ion pulses, accelerate the ion to uniform momenta, produce a large number of ions which travel in a uniform direction from the source, and cause ions of different weights to describe the same path through a magnetostatic field. Group 36—19. Reg. No. 46,238.

Pat. 2,576,616. Monitors for Fission Gases. Patented Nov. 27, 1951. This patent covers an apparatus useful in monitoring a gaseous medium for the presence of radioactive gases of short half-life. The gas stream to be monitored is caused to pass through an electrostatic precipitation chamber in such a manner that the solid decay products are deposited on a wire disposed substantially along the axis of the chamber, said wire being so arranged as to be movable along said axis and removable through an opening in the chamber and examined externally of the chamber for the presence of radioactivity. Group 36—13. Reg. No. 46,239.

Pat. 2,576,661. Pulse Shaping Circuits. Patented Nov. 27, 1951. This patent describes a pulse shaping circuit which is particularly useful in connection with a photomultiplier tube circuit employed in scintillation counting. In this circuit, positive feedback is utilized to discharge inter-electrode and distributed capacitance, and a square pulse is formed in response to a sharply rising pulse having a trailing decay time. Group 36—19. Reg. No. 46,240.

Pat. 2,577,066. Pressure Measuring Device. Patented Dec. 4, 1951. This patent describes an oscillation type pressure gauge which is reliable and accurate up to a pressure value of the order of 20 microns. The improved characteristics of this gauge are obtained by employing an annular anode and an annular cathode, annularly spaced from one another, so that an electric discharge region of accurate cross section is defined by the intervening annular space between the electrodes. Group 36—13. Reg. No. 46,241.

Pat. 2,577,097. Method for Separation of Americium From Solutions Containing the Same. Patented Dec. 4, 1951. This patent pertains to a method for the separation of americium from a solution containing the same and certain other trivalent elements. The separation may be accomplished by using a hypochlorite to oxidize the americium to the pentavalent state in a strong carbonate solution, thereby obtaining an insoluble americium composition which may be removed from the solution. Groups 28—86—88—89; 32—95. Reg. No. 46,242.

Pat. 2,577,514. Method for Removal of Radioactive Contaminants. Patented Dec. 4, 1951. This patent describes a method for removing radioactive contamination from the surface of an object, comprising treating the contaminated surface with a solution of sodium silicate followed by a wash with a strong mineral acid and removing the decomposition products so obtained and therewith a portion of the radioactive contaminants. Group 28—89—93. Reg. No. 46,243.

Pat. 2,577,696. Electric Positioning Proportional Floating Control. Patented Dec. 4, 1951. This patent describes an improved electrical system for use with a proportionnal position controller. The system employs essentially two Wheatstone bridge networks having a common impedance branch, arranged so that opposite arms are variable differentially in accordance with changes in the controlled variable and to energize a reversible electric motor from the output derived from the unbalance in a first one of said bridge circuits to drive a final control element in a direction effecting a corrective adjustment of said controlled variable and to produce a rebalancing adjustment in said first bridge network. The electric output derived from a second one of said bridge circuits is utilized to energize a second reversible motor for modifying the rebalancing adjustment of said first bridge until said second bridge is returned to balance by the response of said controlled variable to the corrective adjustment produced by the final control element driven by said first motor. Group 36—19. Reg. No. 46,244.

Pat. 2,577,707. Pulse Transformer. Patented Dec. 4, 1951. This patent pertains to an improved compact pulse transformer having low leakage inductance and a large voltage rating, capable of operating upon voltage pulses of very short rise time and duration and very rapid repetition rate. Group 36—19. Reg. No. 46,245.

Pat. 2,579,231. Electromagnetically Operated Counter. Patented Dec. 18, 1951. This patent describes a simple and reliable electromagnetically operated counter, having very little moment of inertia and low friction loss, and so constructed that an electrical impulse produces unidirectional, stepwise rotation of a counting shaft. Groups 36—13; 39—11. Reg. No. 46,246.

Pat. 2,579,234. Vacuum Seal for Fluorine Generation System. Patented Dec. 18, 1951. This patent describes a hydraulic inert liquid for an electrolytic gas generating system in conjunction with an associated reservoir of inert gas so that a pressure-liquid level balance is maintained in the cell under normal operating conditions, while providing for the introduction of the inert gas to break the partial vacuum created by too rapid a withdrawal of the electrolytic gas or similar malfunctioning operation. Group 28—86—88—89. Reg. No. 46,247.

Pat. 2,579,235. Rectifier System. Patented Dec. 18, 1951. This patent describes an improved poly-phase low voltage high current rectifier system which is easily controlled and regulated by a negative feedback connection. In the system two poly-phase transformers are interconnected so that the current flow in the secondary winding of one transformer is electronically controlled to determine the output of the second transformer. Group 36—19. Reg. No. 46,248.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 15, 1952

[VOL. 654. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 485,429. Cherry-Burrell Corporation, Chicago, Ill. Filed June 28, 1945.

DIAMOND

For Metal Valves—Namely, Angle Valves, Compression Valves of the Cross Type or T Type, Straight-Away Valves, Plug Valves, By-Pass Valves; and Pod Type Vat Outlets—Namely, an Element Adapted To Be Fitted Over an Opening Formed in the Bottom and Adjacent Side Wall of a Vat, and Having at One End Thereof a Conduit Provided With Means for Establishing Communication Between the Conduit and Additional Piping or Other Mechanism; and Can Fillers—Namely, Devices Consisting of a Length of Discharge Tubing, a Length of Supply Tubing Joined to the Discharge Tubing by a Valve, and a Pivotal Connection Element for Joining the Supply Tubing to a Source of Supply; and Thermometer Holders—Namely, Cylindrical Elements Open at One Side To Expose a Portion of the Thermometer Housed in the Cylinder With the Bulb End of the Thermometer Extending to at Least One End of the Holder and With Suitable Means at the Same End of the Holder for Joining the Holder Into a Pipe Fitting or Other Passage for Materials or Directly Into the Wall of Other Devices.

Claims use since August 1928.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 503,684. Utility Appliance Corp., Los Angeles, Calif. Filed June 11, 1946.

UTILITY

For Individual Water Pumps for Use in Air-Conditioning Equipment, and Individual V-Belt Pulleys for Air-Moving Equipment.

Claims use since Jan. 29, 1946.

Ser. No. 518,158. Marine Products Company, Detroit, Mich. Filed Feb. 26, 1947.

FLOMAX

For Sump Pumps for Removing Water Rapidly From Excavations Such as Cellars or Ditches.

Claims use since Dec. 10, 1946.

Ser. No. 518,177. Sten-C-Labl Incorporated, St. Paul, Minn. Filed Feb. 26, 1947.

STEN•C•LABL

The term "Labl" is disclaimed.

For Duplicating Hand Stamps of the Ink Carrying Duplicating Type and Stencils To Be Mounted Thereon, Sold Together.

Claims use since July 1, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 531,110. Great Plains Seed Co., Sioux Falls, S. Dak. Filed Aug. 12, 1947. (Sec. 2f.)



The persons shown in the drawing are fictitious.
For Alfalfa Seed.
Claims use since July 1945.

Ser. No. 595,465. Johns-Manville Corporation, New York, N. Y. Filed Apr. 8, 1950.

JM

Applicant claims ownership of Registrations Nos. 68,137, 95,632, and others.
For Diatomaceous Silica in Powdered, Granulated, and Brick or Block Form and in Its Natural State and in Calcined and Flux Calcined States; and Asbestos Fiber.
Claims use since 1929.

Ser. No. 599,912. The United States Graphite Company, Division of The Wickes Corporation, Saginaw, Mich. Filed June 28, 1950.

MEX

Applicant claims ownership of Registrations Nos. 54,647, 59,505, 60,319, 62,971, 64,076, 67,120, 525,435 404,386, and 543,029.
For Prepared Graphite in Powdered Form for Admixture With Water To Provide a Spray or Wash for Ingot Molds and Stools, To Facilitate Molding Operations.
Claims use since May 10, 1950.

Ser. No. 602,260. Raymond Hartman, doing business as Hartman Coal Company, Kingwood, W. Va. Filed Aug. 16, 1950.

MAPLEWOOD

For Coal.
Claims use since Feb. 15, 1950.

Ser. No. 603,122. Miller Hatcheries, Waverly, Iowa. Filed Sept. 2, 1950.

ULTRA-LINE

The word "Line" is disclaimed.
For Hatching Eggs and Baby Chicks.
Claims use since January 1948.

Ser. No. 603,349. Alaska Chemical Corporation, Paterson, N. J. Filed Sept. 9, 1950.

Sapphire BLACK

The word "Black" is disclaimed.
For Furs, Dressed and Undressed.
Claims use since Aug. 7, 1950.

Ser. No. 608,059. Doughboy Industries, Inc., New Richmond, Wis. Filed Dec. 26, 1950.

FORTI-PLYED

For Thin Resinous Fabric-Like Film for General Use.
Claims use since Dec. 3, 1950.

Ser. No. 612,487. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed Apr. 11, 1951. (Sec. 2f.)

DU PONT

Applicant claims ownership of Registrations Nos. 21,766 and 387,746.
For Synthetic Polyester Fibers for Generalized Use in the Industrial Arts.
Claims use since Mar. 29, 1950.

Ser. No. 612,676. Milton Berger Leather Corp., Gloversville, N. Y. Filed Apr. 16, 1951.



For Washable Arabian Mocha Suede Leather.
Claims use since Apr. 15, 1949.

CLASS 2

RECEPTACLES

Ser. No. 568,114. Charles R. Pearce, Pittsburgh, Pa. Filed Nov. 3, 1948.

PIG'S DINNER

For Containers—Namely, Paper Liners for Insertion in Supporting Structures To Provide Sanitary Dishes for Soda Fountain Confections.
Claims use since Aug. 1, 1948.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 605,058. Revelation Supplies Limited, Chiswick, London, England. Filed Oct. 17, 1950.

REVELATION

Applicant claims ownership of British Registrations Nos. 433,789, 433,790, and 498,990, dated Jan. 31, 1923, Jan. 31, 1923, and Jan. 14, 1929, respectively.
For Suitcases, Week-End Cases, Wardrobe Trunks, Steamer Trunks, Pullman Trunks, Trunks, Overnight Cases, Train Cases, Vanity Cases, Shoe Cases, Wardrobe Cases, Hat Cases, Document Cases.

Ser. No. 605,059. Revelation Supplies Limited, Chiswick, London, England. Filed Oct. 17, 1950.

REV-ROBE

Applicant claims ownership of British Registrations Nos. 575,175, 575,176, and 662,597, dated Feb. 16, 1937, Feb. 16, 1937, and Sept. 19, 1947, respectively.
For Suitcases, Week-End Cases, Attache Cases, Wardrobe Trunks, Steamer Trunks, Pullman Trunks, Trunks, Overnight Cases, Train Cases, Vanity Cases, Shoe Cases, Wardrobe Cases, Hat Cases, Document Cases, and Handbags.

Ser. No. 605,656. Handbag Metal Specialties, Inc., New York, N. Y. Filed Oct. 31, 1950.

WILARDY

For Ladies' Handbags.
Claims use since January 1948.

Ser. No. 605,788. Robert G. Ewell, Berkeley, Calif. Filed Nov. 2, 1950.

Oasis

For Portable Bar Consisting of a Fitted Piece of Luggage With Compartments Therein for Bottles, Glasses, and Other Drinking Accessories.
Claims use since June 16, 1947.

Ser. No. 612,293. B. Altman & Co., New York, N. Y. Filed Apr. 6, 1951.

young colony

Applicant claims ownership of Registrations Nos. 306,281, 516,880, and 542,116.
For Ladies' Handbags.
Claims use since Mar. 7, 1951.

Ser. No. 613,912. Samuel R. Goldsmith & Son, Inc., New York, N. Y. Filed May 16, 1951.

Sargo

For Ladies' Handbags.
Claims use since Apr. 19, 1951.

Ser. No. 614,322. U. S. Handbag Corporation, New York, N. Y. Filed May 24, 1951.

LIZATEX

For Ladies' Handbags, Wallets, Travelling Cases, and Beach Bags.
Claims use since Mar. 1, 1951.

Ser. No. 614,525. U. S. Handbag Corporation, New York, N. Y. Filed May 29, 1951.

CROCOTEX

For Ladies' Handbags, Wallets, Travelling Cases, and Beach Bags.
Claims use since Mar. 1, 1951.

Ser. No. 614,586. U. S. Handbag Corporation, New York, N. Y. Filed May 31, 1951.

PYTHOTEX

For Ladies' Handbags, Wallets, Travelling Cases, and Beach Bags.
Claims use since Mar. 1, 1951.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 589,707. Boyle-Midway Inc., New York, N. Y. Filed Dec. 21, 1949. (Sec. 2f.)

DRI-BRITE

Applicant claims ownership of Registration No. 278,212.
For Liquid Wax Preparation for Cleaning, Polishing and Protecting Linoleum and Floors of All Kinds.
Claims use since Jan. 24, 1930.

Ser. No. 596,050. Valgerta M. Rollit, doing business as Rollit & Haight Plastic Co., Santa Cruz, Calif. Filed Apr. 20, 1950.

SunDial

The words "Time Tested" are disclaimed.
For Liquid Cleaner and Polish for Metals, Plastics, Glass, and Finished Painted, Lacquered, or Enameled Surfaces.
Claims use since Mar. 6, 1950.

Ser. No. 603,246. The Munising Paper Company, Chicago, Ill. Filed Sept. 7, 1950. (Sec. 2f.)

Duo-Dustin Sheets

The word "Sheets" is disclaimed. Applicant claims ownership of Registration No. 426,756.
For Chemically Treated Paper Sheets Used for Cleaning and Polishing Various Surfaces.
Claims use since Aug. 31, 1945.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 574,014. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed Feb. 17, 1949.

NU-GRIP

The word "Grip" is disclaimed.
For Anti-Slip Preparation for Bowlers' Hands.
Claims use since Nov. 30, 1948.

Ser. No. 576,152. Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia. Filed Mar. 26, 1949.

HORSESHOE

For Sulphur in Powder Form.
Claims use since April 1918.

Ser. No. 582,286. Gla-Zol Corporation, Dallas, Tex. Filed July 21, 1949.

Gla-zol

For Chemical Preparation for Dissolving Plastic Laminations.
Claims use since July 12, 1949.

Ser. No. 591,754. Stauffer Chemical Company, San Francisco, Calif. Filed Jan. 31, 1950.

WET-IT

The words "Wet-It" are disclaimed. The drawing is lined for black and blue.
For Wetting Agent.
Claims use since Oct. 30, 1949.

Ser. No. 592,302. Godfrey L. Cabot, Inc., Boston, Mass. Filed Feb. 11, 1950.

BLACK PEARLS

The word "Black" is disclaimed.
For Carbon Black.
Claims use since Feb. 17, 1941.

Ser. No. 596,563. Croton Chemical Corporation, New York, N. Y. Filed Apr. 29, 1950.

CROTON

For Potassium Nitrate (Saltpetre), Sodium Nitrate, Borax, Boric Acid, Potassium Chloride, Sodium Nitrite, Welding Fluxes, Flameproofing Compounds, Laundry Sours.
Claims use since 1937.

Ser. No. 601,001. Van Cleef Bros., Inc., Chicago, Ill. Filed July 20, 1950.

HI-LIGHT

For Bearing Blue for Showing High Spots and Scratches in Bearings and for Determining the Accuracy of Ground or Machined Surfaces.
Claims use since Jan. 1, 1920.

Ser. No. 603,464. Shawinigan Products Corporation, New York, N. Y. Filed Sept. 12, 1950. (Sec. 2f.)

SHAWINIGAN BLACK

Applicant claims ownership of Registrations Nos. 200,920, 200,921, and 202,354.
For Acetylene Carbon Black.
Claims use since Apr. 28, 1922.

Ser. No. 607,614. Alco Photo Supply Corporation, New York, N. Y. Filed Dec. 13, 1950.

ALCO

For Photographic Chemicals—Namely, Hypo Solutions, Developers, Grain Intersifiers, Cement Thinners, and Retouching Solutions.
Claims use since January 1946.

Ser. No. 607,926. Bridgeport Brass Company, Bridgeport, Conn. Filed Dec. 21, 1950.

BIG BOMB

The word "Bug" is disclaimed. Applicant claims ownership of Registration No. 500,023.
For Insecticides.
Claims use since Nov. 1, 1950.

Ser. No. 607,967. Shawinigan Products Corporation, New York, N. Y. Filed Dec. 21, 1950.

SHAWINIGAN RESINS

The word "Resins" is disclaimed. Applicant claims ownership of Registrations Nos. 200,920, 200,921, and 202,354.
For Synthetic Resins, Particularly Those Derived From Vinyl Acetate, in the Form of Powders, Granules, Lumps, Solutions, or Emulsions.
Claims use since Mar. 20, 1937.

Ser. No. 609,806. Marbon Corporation, Gary, Ind. Filed Feb. 8, 1951.

MARBON

For Synthetic Resins, and Blends of Synthetic Resins With Natural and Synthetic Elastomers and Resins.
Claims use since Nov. 30, 1935.

Ser. No. 609,914. Cook Chemical Company, Kansas City, Mo. Filed Feb. 10, 1951.

REAL-KILL

The word "Kill" is disclaimed.
For Insecticides.
Claims use since Jan. 22, 1951.

Ser. No. 610,267. Heyden Chemical Corporation, New York, N. Y. Filed Feb. 19, 1951.

FYDE

For Formaldehyde and Solutions Containing Formaldehyde.
Claims use since Jan. 23, 1951.

Ser. No. 610,975. Hysan Products Company, Chicago, Ill. Filed Mar. 7, 1951.

air-gly

The word "Air" is disclaimed.
For Aerosol Bombs Containing Disinfectants, Deodorants, Sanitizers, and Air Fresheners.
Claims use since Feb. 25, 1950.

Ser. No. 611,599. Godfrey L. Cabot, Inc., Boston, Mass. Filed Mar. 21, 1951.

MONARCH

Applicant claims ownership of Registration No. 174,488.
For Carbon Black for Use in the Plastic, Paper, Metallurgical, Ceramic, and Other Miscellaneous Industries.
Claims use since October 1912.

Ser. No. 611,784. Hi-Yield Fertilizer Co., Bonham, Tex. Filed Mar. 26, 1951.

Hi-Yield

For Insecticides.
Claims use since Feb. 15, 1951.

Ser. No. 611,950. Julius H. Fessler, doing business as Berkeley Yeast Laboratory, Berkeley, Calif. Filed Mar. 29, 1951.

SPARKOLLOID

For Chemical Composition Adapted for Use in Clarifying Wine.
Claims use since Apr. 1, 1950.

Ser. No. 612,573. Xterminator Products Corporation, Jersey City, N. J. Filed Apr. 12, 1951.

VOO DOO "42"

Applicant claims ownership of Registration No. 505,099.
For Rodenticide.
Claims use since Oct. 4, 1950.

Ser. No. 613,543. West Laboratories, Inc., Long Island City, N. Y. Filed May 4, 1951.

WELAPAL

For Chemical Compositions — Namely, Polyethyleneoxidearyl Condensate in Liquid and Solid Form.
Claims use since Oct. 2, 1950.

Ser. No. 615,017. Mallinckrodt Chemical Works, St. Louis, Mo. Filed June 11, 1951.

Cryogel

For Aluminum Soaps.
Claims use since Apr. 17, 1951.

Ser. No. 615,896. R. M. Hollingshead Corporation, Camden, N. J. Filed June 29, 1951.

H-2

For Hydraulic Fluid for Use in Hydraulic Systems of All Kinds.
Claims use since Mar. 22, 1948.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 476,803. Knapp-Monarch Company (a corporation of Delaware), St. Louis, Mo., assignee of Knapp Monarch Company (a corporation of Missouri). Original filed, act of 1905, Nov. 23, 1944; amended to application under act of 1946, Principal Register, Mar. 21, 1950. (Sec. 2f.)

Spark-Lite

Applicant claims ownership of Registration No. 265,385.
For Pyrophoric and Catalytic Lighters for Pipes, Cigars, and Cigarettes.
Claims use since Aug. 23, 1944.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 591,684. Lincoln Jeffries, Birmingham, England. Filed Jan. 30, 1950.

"MARKSMAN"

Applicant claims ownership of British Registration No. B. 672,918, dated Sept. 23, 1948.
For Air Gun Pellets.

CLASS 10

FERTILIZERS

Ser. No. 600,130. Gro-Ur-Own Chemical Gardens, Inc., Seattle, Wash. Filed July 1, 1950.

Gro-Chem

The word "Gro" is disclaimed.
For Fertilizers.
Claims use since Sept. 30, 1945.

Ser. No. 600,534. Davies Nitrate Co., Inc., New York, N. Y. Filed July 12, 1950.

VITAGEN

For Concentrated Fertilizer.
Claims use since March 1950.

Ser. No. 607,745. The Espoma Company, Millville, N. J. Filed Dec. 16, 1950.

ESPOMA

The drawing is lined for the color red.
For Fertilizers.
Claims use since December 1930.

Ser. No. 608,705. Jackson Fertilizer Co., Jackson, Miss. Filed Jan. 12, 1951.

MELLOW-IZED

Applicant claims ownership of Registrations Nos. 280,383 and 311,375.
For Agricultural Fertilizer.
Claims use since Oct. 10, 1949.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 523,225. Williams & Williams Limited, Chester, England, assignor to Aluminex Incorporated, Los Angeles, Calif. Original filed, act of 1905, May 28, 1947; amended to application under act of 1946, Principal Register, Apr. 11, 1949.

ALUMINEX

For Aluminum Alloy Glazing Bar Used for Roof and Sidewall Glazing.
Claims use since 1939 in Great Britain; and first used in commerce between Great Britain and the United States on Jan. 16, 1939.

Ser. No. 561,545. The American Lubricants Company, doing business as Tiffany Asphalt and Grease Works, Dayton, Ohio. Filed July 16, 1948.

STURDY

The drawing is lined for red.
For Asbestos Fibre Roof Coating and Plastic Asbestos Roof Cement.
Claims use since Aug. 1, 1947.

Ser. No. 561,546. The American Lubricants Company, doing business as Tiffany Asphalt and Grease Works, Dayton, Ohio. Filed July 16, 1948.



The words "Guardian of Your Roof" are disclaimed.
For Asbestos Fibre Roof Coating and Plastic Asbestos Roof Cement.
Claims use since Aug. 1, 1947.

Ser. No. 578,239. Vermiculite Institute, Evanston, Ill. Filed May 4, 1949. COLLECTIVE MARK.



The words "Member" and "Vermiculite Institute" are disclaimed.
For Expanded Vermiculite Products Consisting of Insulation Fill, Concrete Aggregate, and Plaster Aggregate.
Claims use since June 1, 1948.

Ser. No. 585,247. Raybestos-Manhattan, Inc., Passaic, N. J. Filed Sept. 23, 1949.

—Albestos—

For Heat Insulating Material, in Tape and Sheet Form, Composed Principally of Asbestos.
Claims use since May 27, 1949.

Ser. No. 591,392. Alumatic Corporation of America, Milwaukee, Wis. Filed Jan. 25, 1950.

ARALUM

Applicant claims ownership of Registration No. 436,651.
For Aluminum Windows.
Claims use since Dec. 2, 1949.

Ser. No. 592,716. Midwest Plywood Company, Detroit, Mich. Filed Feb. 18, 1950.

LUXTILE

For Fibre Floor or Wall Tile.
Claims use since Jan. 3, 1950.

Ser. No. 602,020. Certain-teed Products Corporation, Ardmore, Pa. Filed Aug. 10, 1950. (Sec. 2f.)

TUF-TITE

Applicant claims ownership of Registration No. 370,350.
For Sheathing Material Ordinarily Packaged in Roll Form and Made From Two Sheets of Kraft Paper Laminated Together by an Intermediate Layer of Asphalt so as To Be Adapted for Use in Building and Construction Work.
Claims use since July 22, 1931.

Ser. No. 602,643. The Sealube Company, Reading, Mass. Filed Aug. 23, 1950.

BLOO

For Plastic Pipe Joint Compound.
Claims use since Jan. 1, 1948.

Ser. No. 602,875. Allied Chemical & Dye Corporation, New York, N. Y. Filed Aug. 29, 1950. (Sec. 2f.)

Barrett

Applicant claims ownership of Registrations Nos. 87,311, 87,312, and others.
For Roofing Cement, Bituminous Base Coating Compositions for Roofs and Other Construction Purposes, Pitch, Asphalt and Tar for Roofing, Road, and Other Construction Purposes; Roll Roofing, Shingles, Papers, and Felts Used for Building, Sheathing, Insulating, Sound Deadening, and Other Construction Purposes; Siding, Backing Board for Siding and Shingles; Mineral, Structural, Thermal, and Sound Insulation, Loose or Felted.
Claims use since 1949.

Ser. No. 604,042. Truscon Steel Company, Youngstown, Ohio. Filed Sept. 26, 1950.

TRUSCON

Applicant claims ownership of Registrations Nos. 126,795, 217,123, 285,996, and 405,676.
For Products Made of Steel, and Other Materials—Namely, Plain Steel Bars, Round, Square, or Twisted, as Reinforcing Elements for Concrete; Deformed Steel Bars, Round, Square, or Twisted, as Reinforcing Elements for Concrete; Sheared Steel Bars as Reinforcing Elements for Concrete; Sheet Steel Forms of Longitudinally Arched Formation To Be Laid Side by Side to Provide Continuous Long Span Construction and Individual Units of Both Longitudinally and Transversely Arched Formation To Be Used as Elements of Concrete Floor Construction; Column-Hooping for Reinforcing Concrete Columns; Metal Lath and Accessories—Namely, Metal Arches, Base Screed, Molding and Corner Bead, Expanded Metal for Concrete-Reinforcment, Screeds Made of Metal for Use in Plaster, and Cement or Concrete Work; Pressed-Steel Beams, Joists, Studs, Plates, and Channels for Use in Walls, Ceilings, or Floors of All Types of Building; Armor-Plates Made of Steel for Use in Concrete Pavements to Prevent Breaking Down at Expansion-Joints; Wire Mesh (Not Expanded Metal) as Reinforcing Element for Concrete; Curb-Bars and Edge Protectors Made of Steel in Various Forms, Used to Protect and Reinforce Concrete Curbs, Exposed Corners and Edges of Walls, Pilasters, Columns, Platforms, Sidewalks, Etc.; Windows and Parts Thereof—Namely, Frames, Lintels, Casings and Surrounds; Doors, Panels, and Partitions, All Made of Steel or of Steel and Glass and All Intended as Permanent Structural Elements of a Building; Steel Chairs for Use To Insure Correct Location of Reinforcing-Steel in Concrete; Joist and Wall Hangers Made of Steel for Joist or Beam Connections; Metal Guardrail; Expansion Joints; Contraction Joints; Dowel Bars; Trusses; Columns, and Girders; Steel Roofing, Steel Flooring, and Panels of Insulation Externally Covered by Steel Sheets for Use in Walls, Ceilings and Roofs; Stairs and Treads, Poles and Towers; Window Screens, Tunnel Liner Plates.
Claims use since 1906.

Ser. No. 606,775. Martin Hoffman Co., Livonia, Mich. Filed Nov. 22, 1950.

METALON

For Building Fronts—Namely, Decorative Wall Panels; Panels Composed of Steel, Concrete, and Enamel, Attaching Clips Therefor, Molding, Enameled Metal Tile, Decorative Trim Panels for Structural Members.
Claims use since Dec. 15, 1947.

Ser. No. 607,901. Radford Supply Company, Glendale, Calif. Filed Dec. 20, 1950.

Radco

For Steel Sash Window Frames and Steel Sash Metal Surrounds.
Claims use since Aug. 31, 1949.

Ser. No. 609,423. Taylor-Colquitt Co., Spartanburg, S. C. Filed Jan. 30, 1951.

SOLREC

For Preserved Lumber—Namely, Lumber Which Has Been Impregnated With a Suitable Preservative Such as Creosote or Toxic Salts.
Claims use since Jan. 11, 1951.

Ser. No. 609,737. Nukem Products Corporation, Buffalo, N. Y. Filed Feb. 7, 1951.

NURAN

For Acid-Proof Resinous Cement, Either in Liquid or Powdered Form.
Claims use since June 15, 1950.

Ser. No. 610,787. Harbor Plywood Corporation, Aberdeen, Wash. Filed Mar. 3, 1951.

Harbord

Applicant claims ownership of Registrations Nos. 283,513 and 418,092.
For Plywood.
Claims use since February 1930.

Ser. No. 611,390. American Millwork Company, New Hyde Park, N. Y. Filed Mar. 15, 1951.

Storm Wizard

The word "Storm" is disclaimed.
For Storm Proof Doors and Windows.
Claims use since October 1950.

Ser. No. 611,463. Wallace Manufacturing Company, North Kansas City, Mo. Filed Mar. 16, 1951.

GRANI-LITE

The word "Lite" is disclaimed.
For Decorative Wallboarding.
Claims use since Nov. 9, 1950.

Ser. No. 611,522. Oliver W. Ingle, Portland, Oreg. Filed Mar. 19, 1951.

DURADRY

The word "Dry" is disclaimed.
For Extruded Two-Piece Aggregate Clay Tile.
Claims use since Nov. 1, 1949.

Ser. No. 611,723. J. W. Roberts, Limited, Leeds, England. Filed Mar. 23, 1951.

LIMPET

Applicant claims ownership of British Registration No. 629,974, dated June 19, 1944, and United States Registration No. 440,406.
For Thermal Insulation Material in Sheet or Mattress Form Made From Asbestos Particularly for Boiler Insulation; Asbestos Fibre Prepared for Use in Building and Construction; Asbestos Sheets and Panels for Use in Building and Construction Particularly for Use in the Construction of Vehicle Bodies, Railway Carriages, Ships, and Aircraft.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 539,552. National Pressure Cooker Company, Eau Claire, Wis. Filed Oct. 30, 1947.

Presto MEAT-MASTER

The word "Meat" is disclaimed. Applicant claims ownership of Registration No. 384,941.
For Pressure Cookers and Pressure Canners.
Claims use since Jan. 8, 1948.

Ser. No. 558,432. All-Steel Equipment Inc., Aurora, Ill. Filed June 4, 1948. (Sec. 2f.)

ALL-STEEL

For Hardware—Namely, Cover Plates for Metal Boxes, and Cable Clamps.
Claims use since 1925.

Ser. No. 573,347. The Weatherhead Company, Cleveland, Ohio. Filed Feb. 4, 1949.

WEATHERHEAD

For Valves—Namely, Bleeder Valves; Gauging Valves of a Closed Valve Type Attached to Fluid Pressure Vessels Such as Steam Boilers and Liquefied Petroleum Gas Systems and the Like, Adapted When Opened for Use in Indicating the Quantity of Fluid in Said Vessels; Testing Valves for Refrigeration of a Closed Valve Type Adapted When Opened for Use in Placing a Source of Fluid Pressure in Communication With a Gauging Device; Tank Valves; Cylinder Valves; Pressure Regulating and Reducing Valves; Check Valves; Filler Valves; Vapor Equalizer Valves of a Closed Check Valve Type Adapated for Use in Connection With Liquid Petroleum Systems and Having a Port Opening Into the Gas Containing Portion of a Fluid Pressure Tank and Adapted To Be Opened by the Insertion of a Second Member; Excess Flow Check Valves; Relief Valves; Manual and Automatic Valves of a General Valve-Type Such as Shut Off Valves, Metering Valves and Check Valves Which Are Either Operated or Preset Manually or Operate Automatically in Response to a Change in the Flow of the Fluid or Pressure Within the System; Changeover Valves of the Automatic Type Used in Connection With a Liquid Petroleum Gas System to Automatically Change the Primary Supply of Gas Under Pressure From a Depleted Tank to a Full Tank in Response to the Change of Pressure in the System; Valve Assemblies and Heads for Controlling Fluid Flow of Bottled Gas by Means of Various Types of Valve and Control Devices; and Packless Valves of the Fluid Control Type Using a Diaphragm as a Seal for the Valve Operating Mechanism for Use in Refrigeration, Bottled Gas and Like Industries; and Cocks—Namely, Drain Cocks; Shut-Off Cocks; Drain Shut-Off Cocks; Three-Way Shut-Off Cocks; Aviation Drain Cocks of the Manually Operated "On-Off" Type Having Settings of Intermediate Positions; Choke Controls of the Bowden Wire Control Type Having a Flexible Hollow Conduit Containing an Inner Member Capable of Axial or Rotary Movement Inside the Conduit Used as a Force Transmitter; and Handles for the Valves and Cocks as Set Forth Above, Connecting Unions and Nipples for Pipes and Tubes and Metal Tubing, Metal Couplings and Metal Fittings Therefor.
Claims use since May 5, 1933.

Ser. No. 575,692. Backflow Engineering & Equipment Co., Los Angeles, Calif. Filed Mar. 19, 1949.

BEECO

For Backflow Prevention Valves for Large Potable Water Supply Lines.
Claims use since May 1, 1948.

Ser. No. 597,540. Pacific Car and Foundry Company, Renton, Wash. Filed May 16, 1950.

CARCO

For Wire Rope Fittings—Viz., Hooks, Sockets, Eyes, Clevises, Hitches, and Ferrules.
Claims use since July 1932.

Ser. No. 604,399. Stanley Home Products, Inc., Westfield, Mass. Filed Oct. 3, 1950.

STANHOME

The words "A Stanley Home Product" are disclaimed.
For Faucet Adapter Consisting of an Attachment for Faucets for Regulating the Spray of Water Therefrom, a Shoulder Shower Ring Consisting of a Line of Hose Adapted To Be Attached to a Faucet and Having a Spray Means at the Opposite End Thereof Adapted To Be Held Over the Head To Spray Water Over the Body of the User; Griddles, Coffee Percolators, Egg Poachers, Metal Roasting Pans, and Metal Saucepans.
Claims use since Mar. 22, 1950.

Ser. No. 614,648. Campbell Chain Company, York, Pa. Filed June 2, 1951.

Hi-Link

The word "Link" is disclaimed.
For Tire Chains.
Claims use since Dec. 1, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 596,762. Victor Equipment Company, San Francisco, Calif. Filed May 2, 1950.

VICTORALLOY

The word "Alloy" is disclaimed.
For Coated and Uncoated Welding Rods.
Claims use since June 15, 1949.

Ser. No. 613,029. Stoody Company, Whittier, Calif. Filed Apr. 23, 1951.

BOROD

For Welding Rods.
Claims use since Sept. 23, 1929.

CLASS 15

OILS AND GREASES

Ser. No. 596,937. Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Filed May 5, 1950.

MOLYPLATE

For Heavy-Bodied Lubricating Grease.
Claims use since Apr. 19, 1950.

Ser. No. 604,467. Consumers Petroleum Company, Indianapolis, Ind. Filed Oct. 5, 1950.

PUR-VIS

The term "New and Improved" and the abbreviation "Vis" are disclaimed. The representation of the individual is fanciful.
For Motor Oil.
Claims use since Oct. 1, 1949.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 516,626. Midland Laboratories, Dubuque, Iowa. Original filed, act of 1905, Jan. 30, 1947; amended to application under act of 1946, Principal Register, Oct. 7, 1949. (Sec. 2f.)

EV-R-GLO

For Self-Polishing Waxes.
Claims use since Apr. 8, 1938.

Ser. No. 575,727. Stewart Paint Manufacturing Company, Minneapolis, Minn. Filed Mar. 19, 1949. (Sec. 2f.)

KRAFT-LINE

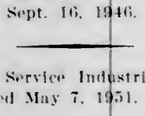
For Liquid Filler for Wood Surfaces, Glazing Liquid Paint, Stipple Flat White Paint, Exterior Primer Paint, Enamel Paint for Finishing, Enamel Undercoater Paint, Flat Wall Finish Paint, Pigment Wall Primer Paint, High-Gloss Enamel Paint, White Soft Paste Paint, Eggshell Enamel Paint, Semi-Gloss Paint for Interior Use.
Claims use since July 1937.

Ser. No. 592,128. Chicago Paints, Inc., Chicago, Ill. Filed Feb. 8, 1950.

SUPER CHIEF

For Ready Mixed Paints Sold in Liquid Form, Paint Enamel Sold in Liquid Form, Varnish, Shellac, Wood Stains, Varnish Stains, and Paint and Varnish Remover Sold in Liquid Form.
Claims use since Nov. 4, 1948.

Ser. No. 592,129. Chicago Paints, Inc., Chicago, Ill. Filed Feb. 8, 1950.



SUPER CHIEF

The words "Chicago Paints, Inc." are disclaimed.
For Ready Mixed Paints Sold in Liquid Form, Paint Enamel Sold in Liquid Form, Varnish, Shellac, Wood Stains, Varnish Stains, and Paint and Varnish Remover Sold in Liquid Form.
Claims use since Nov. 4, 1948.

Ser. No. 603,967. Switzer Brothers, Inc., Cleveland, Ohio. Filed Sept. 25, 1950.

DAY-GLO

The word "Glo" is disclaimed. Applicant claims ownership of registration No. 513,427.
For Oil Paints, Water Colors, Undercoater Therefor, Screen Lacquers, Paints for Application to Rubber and Pigments for Use in Said Goods and Similar Type Finishes.
Claims use since Dec. 30, 1948.

Ser. No. 609,237. Foster Lumber Company, Kansas City, Mo. Filed Jan. 25, 1951.



For Asphalt Base Aluminum Paint; Ready Mixed Asphalt Base Aluminum Paint; Gilsonite Preservative Paint; Metal and Screen Paint.
Claims use since Sept. 16, 1946.

Ser. No. 613,609. Service Industries (a trust), Philadelphia, Pa. Filed May 7, 1951.

ACIDULUM

For Acid Proof Plastic Coating.
Claims use since Nov. 15, 1945.

Ser. No. 615,980. International Paint Company, Inc., New York, N. Y. Filed July 2, 1951.

INTER-TROP

Applicant claims ownership of Registrations Nos. 380,054, 432,974, and others.
For Ready-Mixed, Antifouling Bottom Paints.
Claims use since Feb. 1, 1949.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 586,538. Mack & Willies Co., Cleveland, Ohio, by change of name from Mack & Willies Inc. Filed Oct. 19, 1949.

MACK & WILLIES

For Rheumatic Balm.
Claims use since July 1, 1949.

Ser. No. 597,786. Stanley M. Sargeant, Highland Mills, N. Y., assignor to Sargeant Acnoid Pharmaceutical Co., Inc., Highland Mills, N. Y., a corporation of New York. Filed May 19, 1950.



For Medicinal Salves, Ointments, Rectal Suppositories, Corn and Callous Unguentums, Laxative Pills, Nasal and Throat Sprays.
Claims use since Jan. 15, 1928.

Ser. No. 598,991. Fellows Medical Manufacturing Company, Inc., New York, N. Y. Filed June 13, 1950.



All of the wording is disclaimed except the signature "James I. Fellows." The signature is that of James I. Fellows, deceased, the founder of applicant's business. Applicant claims ownership of Registration No. 216,833.
For Preparation of Hypophosphites, Used for Appetite Stimulation and as a General Tonic.
Claims use since 1876.

Ser. No. 603,031. Vitamix Corporation, Philadelphia, Pa. Filed Aug. 31, 1950.

A.T.A.

For Composition of Amphetamine Hydrochloride, Thyroid, Atropine Sulfate, Aloin, for Use in the Treatment of Cardiovascular Disease, Hypertension, Extreme Nervousness, and Insomnia.
Claims use since June 1, 1950.

Ser. No. 606,784. Les Laboratoires Gobey, Paris, France. Filed Nov. 22, 1950.

ESCOSYL

Applicant claims ownership of French Registration No. 358,115, dated Apr. 26, 1945.
For Medicinal Preparation Containing Methyl-4-Esculoside Having Vitamin P Activity.

Ser. No. 607,881. Staley Milling Company, North Kansas City, Mo. Filed Dec. 18, 1950.

DR. PIG

The term "Pig" is disclaimed.
For Medicinal Preparation Consisting of Tankage, Soybean Oil Meal, Ground Yellow Corn, Cane Molasses, and Sodium Fluoride for the Elimination of Roundworms From Pigs and Hogs.
Claims use since July 20, 1950.

Ser. No. 610,542. Ruth Cagner, Bellmore, N. Y. Filed Feb. 27, 1951.

PREMENS

For Preparation for Relief of Premenstrual Tension.
Claims use since Jan. 19, 1951.

Ser. No. 611,964. Physicians and Hospitals Supply Company, Inc., Minneapolis, Minn. Filed Mar. 29, 1951.

AlcoBath

The word "Bath" is disclaimed.
For Medical Preparation—Namely, a Rubbing Alcohol Compound.
Claims use since July 1, 1921.

Ser. No. 611,969. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Mar. 29, 1951.

ULBANOL

The drawing is lined for red.
For Medicinal Preparation—Namely, an Antiseptic and Emollient Baby Lotion for Care of Babies.
Claims use since Nov. 25, 1950.

Ser. No. 612,671. Whitmoyer Laboratories, Inc., Myerstown, Pa. Filed Apr. 14, 1951.

Tra-Phos

For Trace Mineral Mixture, a Supplement for Use in Livestock and Poultry Feeds.
Claims use since Dec. 5, 1949.

Ser. No. 613,079. The Mara Laboratories, Inc., Harrison, N. J. Filed Apr. 24, 1951.

DIVASOR

For Medicinal Preparation in Tablet Form in the Treatment of Hypertension.
Claims use since Feb. 12, 1951.

Ser. No. 613,196. Somnyl Pharmacal Corporation of America, New York, N. Y. Filed Apr. 26, 1951.

NU-PAX

For Mild Sedative for Relief of Simple Nervousness.
Claims use since Mar. 28, 1951.

Ser. No. 613,278. Winthrop-Stearns Inc., New York, N. Y. Filed Apr. 27, 1951.

TRIMUCOLAN

For Medicinal Preparation for Use in the Treatment of Gastric Hyperacidity and Peptic Ulcer.
Claims use since Apr. 9, 1951.

Ser. No. 613,540. West Laboratories, Inc., Long Island City, N. Y. Filed May 4, 1951.

WELAVYL

For Antiseptic Preparation in Liquid and Powder Form.
Claims use since Oct. 2, 1950.

Ser. No. 613,544. West Laboratories, Inc., Long Island City, N. Y. Filed May 4, 1951.

WELADOL

For Antiseptic Preparation in Liquid and Solid Form.
Claims use since Oct. 2, 1950.

Ser. No. 613,967. Bigelow-Clark, Inc., New York, N. Y. Filed May 17, 1951.

BIGELOIL

Applicant claims ownership of Registration No. 270,801.
For Antiseptic Rubefacient (for Massaging and as a Palliative for Minor Cuts and Bruises, Skin Irritations, Etc.).
Claims use since 1930.

Ser. No. 613,972. Commercial Solvents Corporation, New York, N. Y. Filed May 17, 1951.

P-92

For Penicillin Salt.
Claims use since Mar. 13, 1951.

Ser. No. 614,041. Cook-Waite Laboratories, Inc., New York, N. Y. Filed May 18, 1951.

NEOTOPANOL

Applicant claims ownership of Registration No. 280,151.
For Anesthetic.
Claims use since Mar. 19, 1951.

Ser. No. 614,125. Armour and Company, Chicago, Ill. Filed May 21, 1951.

ARLIVITE

For Vitamin Compositions.
Claims use since Mar. 19, 1951.

Ser. No. 614,126. Armour and Company, Chicago, Ill. Filed May 21, 1951.

DURACTHAR

For Adrenocorticotropic Compositions.
Claims use since Apr. 6, 1951.

Ser. No. 614,166. Schering Corporation, Bloomfield, N. J. Filed May 21, 1951.

BUTAMED

Applicant claims ownership of Registration No. 502,175.
For Analgesic.
Claims use since Mar. 16, 1951.

CLASS 19

VEHICLES

Ser. No. 591,586. The Raleigh Cycle Co. Limited, Nottingham, England. Filed Jan. 27, 1950.



The words "Nottingham," "The Raleigh Cycle Co. Ltd." and "England" are disclaimed. Applicant claims ownership of British Registration No. 601,095, dated Sept. 16, 1938, and United States Registrations Nos. 223,090 and 378,078.
For Bicycles and Parts Therefor—Namely, Mudguards, Head Tubes, Down Tubes, Chain Guards, and Gear Cases.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 607,615. Alco Photo Supply Corporation, New York, N. Y. Filed Dec. 13, 1950.

ALCO

For Electrical Devices for Photographic Use—Namely, Electrical Extension Cords and Clamps Therefor, Lighting Stands, Flood Lights, Dry Cell Batteries, and Power Packs.
Claims use since January 1946.

Ser. No. 618,237. Hyman Ledeen, doing business as Ledeen Manufacturing Co., Los Angeles, Calif. Filed Aug. 30, 1951. (Sec. 2f.)

Ledeen

The mark consists of a facsimile of applicant's signature of his surname.
For Electric Hoists.
Claims use since May 12, 1942.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 594,539. William R. Hall, Herbert C. Berning, and Harvey R. Collins, Angola, Ind. Filed Mar. 24, 1950.

PARK O'LUCK

For Game Consisting of Playing Board Whereon a Wheel Is Spun by the Manipulation of Various Levers and the Turning of a Dial.
Claims use since May 20, 1949.

Ser. No. 598,919. Milton G. McKee, Youngstown, Ohio. Filed June 10, 1950.

ZOO-GO-ROUND

For Merry Go-Round for Children.
Claims use since April 1945.

Ser. No. 605,944. Delira Corporation, Studio City, Calif. Filed Nov. 6, 1950.

WILD BILL HICKOK

The name "Wild Bill Hickok" is that of a historical character of the old West.
For Toy Holsters.
Claims use since June 12, 1950.

Ser. No. 608,428. Alfred Murcott, Richmond Hill, N. Y. Filed Jan. 5, 1951.

LUMEX

For Golf Carts.
Claims use since Apr. 15, 1950.

Ser. No. 608,870. Jaxton Manufacturing Corporation, Glens Falls, N. Y. Filed Jan. 17, 1951.

HOMETOWN

For Toy Trucks.
Claims use since Nov. 17, 1950.

Ser. No. 609,227. Robert K. Cassidy, doing business under the assumed business name of Cassidy Mfg. Co., Vancouver, Wash. Filed Jan. 25, 1951.

PAR-WAY

For Carts for Carrying Golf Bags on the Golf Course.
Claims use since Oct. 21, 1949.

Ser. No. 610,258. Robert J. Corcoran, doing business as Bubble O Bill Company, Beverly Hills, Calif., assignor to Bubble-O-Bill Corporation, Los Angeles, Calif., a corporation of California. Filed Feb. 19, 1951.



The word "Bubble" is disclaimed.
For Toy Guns.
Claims use since Jan. 30, 1951.

Ser. No. 611,582. Pitch-O-Matic Baseball Corporation, Hackensack and Lodi, N. J. Filed Mar. 20, 1951.

PITCH-O-MATIC

The word "Pitch" and the representation of the ball are disclaimed.
For Machine for Pitching Baseballs.
Claims use since July 26, 1950.

Ser. No. 612,763. George Sloan, doing business as The Elliott-Morris Co., Lynn, Mass. Filed Apr. 17, 1951.

LITTLE YANKEE

The word "Little" is disclaimed.
For Juvenile Baseball Gloves and Sponge Rubber Baseballs.
Claims use since October 1950.

Ser. No. 617,894. The United States Playing Card Company, Cincinnati, Ohio. Filed Aug. 20, 1951.

№ 43

For Playing Cards.
Claims use since 1894.

Ser. No. 618,224. Everett H. Allison, Chicago, Ill. Filed Aug. 30, 1951.

"FISH-CALLER"

The word "Fish" is disclaimed.
For Artificial Fish Lures.
Claims use since July 22, 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 527,495. J. L. Ferguson Company, Joliet, Ill. Filed July 5, 1947.

PACKOMATIC CHIEF

For Package Filling Machines.
Claims use since 1938.

Ser. No. 534,040. March Engineering Company, Oshkosh, Wis., assignor, by mesne assignments, to Vulcan Manufacturing Co., Inc., Winona, Minn. Filed Sept. 10, 1947.

CHIEF OSHKOSH

For Hydraulic Jacks.
Claims use since July 1, 1947.

Ser. No. 555,798. Borg-Warner Corporation, Chicago, Ill. Filed Apr. 29, 1948. (Sec. 2f.)

JOHNSON

For Carburetors for Internal Combustion Engines and Parts Thereof.
Claims use since 1937.

Ser. No. 566,014. Knapp-Monarch Company, St. Louis, Mo. Filed July 29, 1948. (Sec. 2f.)

Kwik-Shave

The word "Shave" is disclaimed. Applicant claims ownership of Registrations Nos. 357,658 and 367,339.
For Hair Clippers and Electric Shavers.
Claims use since January 1938.

Ser. No. 569,379. Dewey B. Harrell, doing business as Harrell Sewing Machine Co., Wichita, Kans. Filed Nov. 24, 1948.

Harrell's

CHAMPION

The word "Harrell's" is disclaimed.
For Sewing Machines and Attachments Therefor—Namely, Sewing Machine Motors, Sewing Machine Heads.
Claims use since June 20, 1948.

Ser. No. 572,257. Lith-I-Bar Company, Holland, Mich. Filed Jan. 15, 1949.

LITH-I-BLOCK

The word "Block" is disclaimed.
For Moulding Machines for Making Building Materials Such as Bricks, Tile, Pipe, Slabs, Blocks, and the Like.
Claims use since July 18, 1946.

Ser. No. 577,124. Kent-Moore Organization, Inc., Detroit, Mich. Filed Apr. 14, 1949.



Applicant claims ownership of Registration No. 263,496.
For Hand, Clamping, Cutting, Tightening, Bending, Driving, Pulling, and Work Piece Supporting Tools for Use in the Service and Repair of Automobile Engines, Clutches, Transmissions, Rear Axles, Front Suspensions, Springs, Shock Absorbers, Brakes, and Bodies; and Work Benches and Parts Thereof.
Claims use since April 1923.

Ser. No. 577,379. Food Machinery and Chemical Corporation, San Jose, Calif. Filed Apr. 19, 1949.

The word "Bolens" is disclaimed. The representation of the workman is disclaimed. Applicant claims ownership of Registration No. 412,253.

For Tractors.

Claims use since June 1, 1948.

Ser. No. 579,063. Tarrant Manufacturing Company, Saratoga Springs, N. Y. Filed May 18, 1949.

TARCO

For Sprayers for Spraying Asphalt Emulsion, Oil, Tar, Paint, Chemicals, Weed Killers, Insecticides, Etc.; Mechanical Spreaders for Spreading Sand, Salt, Fertilizers, Chemicals and Like Substances on Land or Water; Sanding Machines for Pushing Sand From a Hopper to a Pavement or Sidewalk; and Pressure Pumps for Spraying Apparatus.

Claims use since 1915.

Ser. No. 579,679. Food Machinery and Chemical Corporation, San Jose, Calif. Filed May 28, 1949.

The name "John Bean" is the name of one of the founders, now deceased. Applicant claims ownership of Registration No. 97,748.

For Agricultural and Horticultural Spraying and Dusting Machines.

Claims use since March 1948.

Ser. No. 581,515. Boyle-Midway Inc., Jersey City, N. J. Filed July 5, 1949. (Sec. 2f.)

AEROMIST

For Hand Operated Sprayers for Liquid Preparations for Cleaning, Deodorizing, and Insecticidal Purposes.

Claims use since Oct. 5, 1936.

Ser. No. 585,070. Island Equipment Corp., Long Island City, N. Y. Filed Sept. 20, 1949.

Styl-O-Veyor

For Belt Conveyor for Use Between Loading and Discharge Points at Various Levels.

Claims use since Apr. 12, 1948.

Ser. No. 586,257. The Sperry Corporation, Great Neck, N. Y. Filed Oct. 13, 1949. (Sec. 2f.)

For Automatic and Manual Marine Vehicle Steering Systems Each Consisting of a Steering Stand With Electrical Pick-Offs Controlled From the Steering Wheel and/or a Compass Reference, and a Connected Rudder Actuating Servo System, Sold as a Unitary Structure.

Claims use since Nov. 30, 1923.

Ser. No. 600,530. Barber-Greene Company, Aurora, Ill. Filed July 12, 1950. (Sec. 2f.)

Barber-Greene

For Portable and Stationary Belt Conveyors, Belt and Bucket Loaders, Belt and Drag Type Unloaders, Ditchers, Self-Propelled Ditching Machines, Bituminous Mixing and Maintenance Plants, Rotary Type Direct Flame Aggregate Dryers, Cyclone Dust Collectors Equipped With Blowers, Bituminous Tamping, Vibrating, and Leveling Finishers, Crushing and Screening Plants, Bucket Elevators, Apron and Reciprocating Feeders, Snow Loaders and Snow Melting Machinery.

Claims use since Dec. 22, 1916.

Ser. No. 606,350. Vunlit Corporation, doing business as Light Inspection Car Works, Hagerstown, Ind. Filed Nov. 13, 1950.

V-PLEX

For Automatic Centrifugal Clutches.

Claims use since July 3, 1950.

Ser. No. 609,495. Savage Bros. Co., Chicago, Ill. Filed Feb. 1, 1951.

Applicant claims ownership of Registration No. 279,939.

For Tilting Mixer, Revolving Coating Pans, Two-Way Candy Cutter, Candy Cutter, Candy Sizing Machine to Produce Uniform Thickness in Product, Oval Type Marshmallow Beater, Formula Mixing Tank With Agitators, Revolving Can Mixing Machine, Chocolate Melter and Mixer With Agitators, Continuous Candy Cutter for Hard Candy, Mint Cutter, Chocolate Pump With Steam Jacket Head.

Claims use since 1904.

Ser. No. 611,254. Airborne Accessories Corporation, Hillside, N. J. Filed Mar. 14, 1951.

The word "Form" is disclaimed.

For Profile Dressing and Grinding Machines.

Claims use since Feb. 22, 1951.

Ser. No. 612,360. Spicknall, Incorporated, Hannibal, Mo. Filed Apr. 6, 1951.

BIG — SHOP

For Work-Bench or Table for Power-Actuated Tools.

Claims use since Nov. 10, 1950.

Ser. No. 612,361. Spicknall, Incorporated, Hannibal, Mo. Filed Apr. 6, 1951.

The representation of the disc saw is disclaimed.

For Work-Bench or Table for Power-Actuated Tools.

Claims use since Nov. 10, 1950.

Ser. No. 612,547. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Filed Apr. 12, 1951.

CALYX

The drawing is lined to indicate the color grey or silver.

Applicant claims ownership of Registration No. 128,407.

For Core Drills.

Claims use since 1903.

Ser. No. 613,130. Diamond Huller Company, Inc., Winona, Minn. Filed Apr. 25, 1951.

Applicant claims ownership of Registration No. 32,684.

For Cottonseed Hullers and Parts Thereof, Tow Mill Machinery and Parts Thereof, Attrition Mills and Parts Thereof, Saw Frames and Parts Thereof, and Hammer Mills and Parts Thereof.

Claims use since Feb. 15, 1882.

Ser. No. 614,159. The Plomb Tool Company, Los Angeles, Calif. Filed May 21, 1951.

The words "Tools," "Professional Quality" and "Los Angeles" are disclaimed. Applicant claims ownership of registrations Nos. 501,030 and 530,257.

For Tools—Namely, Adapters, Awls, Utility Bars, Battery Terminal Pullers, Bearing Pullers, Bending Bars, Bending Irons, Body-Fender Tools, Box Wrenches, Brake Spring Plier, Brake Tools, Calkers, Cape Chisels, Chisels, Cold Chisels, Concrete Gads, Connecting Rod Sockets, Crowfoot Wrenches, Diamond Point Chisels, Dolly Blocks, Drag Link Tools, L Handles, Flare Nut Wrenches, Flex Handles, Gear Pullers, Hacksaws, Hinge Handles, Lead-Picking Tools, Muffler Removers, Offset Box Wrenches, Open End Wrenches, Overhead Valve Adjusters, Packing Hooks, Pin Handles, Pinion Puller Bars, Pipe Extractors, Pipe Wrenches, Piston Ring Compressors, Pitman Arm Pullers, Pliers, Pneumatic Wrench Sockets, Prick Punches, Pry Bars, Pullers, Punches, Ratchets, Rim Wrenches, Ring Compressors, Ripping Chisels, Rivet Cutters, Rolling Head Bars, Scrapers, Screw Extractors, Screwdriver Sockets, Screwdrivers, Shock Arm Tools, Socket Handles, Socket Racks, Socket Wrenches, Solder Paddles, Combination Wrenches, Star Drills, Stud Pullers, Torque Wrenches, Tubing Expanders, Universal Joints, Universal Sockets, Valve Guide Cleaners, Wheel Pullers, Wood Chisels, Wrench Pliers, Wrenches, and Yarning Irons.

Claims use since Aug. 15, 1949.

Ser. No. 614,982. Ammco Tools, Inc., North Chicago, Ill. Filed June 9, 1951.

TAP-ROCK

For Valve Tappet Grinders, Valve Tappet Screw Grinders, Valve Lifter Grinders, and Rocker Arm Grinders.

Claims use since Apr. 27, 1951.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 591,809. Speed-Flex, Inc., Webster City, Iowa. Filed Feb. 1, 1950.

SPEED-FLEX

For Laundry Equipment—Namely, Household Portable Clothes Washing Machines.

Claims use since Dec. 12, 1949.

Ser. No. 606,258. G. H. Bishop Company, Chicago, Ill. Filed Nov. 13, 1950.

BAG-O-TEER

The word "Bag" is disclaimed.

For Rack for Supporting Paper Garment Bags, Said Racks Being Part of a Garment Bagging Apparatus for Use in Laundries and Dry Cleaning Establishments.

Claims use since June 1950.

CLASS 25

LOCKS AND SAFES

Ser. No. 592,384. Penn Hardware Company, Reading, Pa. Filed Feb. 13, 1950. (Sec. 2f.)

PENN

Applicant claims ownership of Registration No. 60,610.

For Latches, Locks, and Parts Thereof and Chain Door Fasteners.

Claims use since 1877.

Ser. No. 592,385. Penn Hardware Company, Reading, Pa. Filed Feb. 13, 1950. (Sec. 2f.)

Applicant claims ownership of Registration No. 60,610.

For Latches, Locks, and Parts Thereof and Chain Door Fasteners.

Claims use since Jan. 1, 1906.

Ser. No. 604,656. National Brass Company, Grand Rapids, Mich. Filed Oct. 9, 1950. (Sec. 2f.)

Lifetime

For Door Locks.
Claims use since June 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 555,892. Keystone View Company, Meadville, Pa. Filed Dec. 2, 1947. (Sec. 2f as to "Flashmeter.")

KEYSTONE FLASHMETER KEYSTONE VIEW CO. MEADVILLE, PA.

The words "Keystone View Co. Meadville, Pa." are disclaimed. Applicant claims ownership of Registration No. 404,540.

For Shutter Arranged for Timing Accurately the Exposure of Indicia Projected Onto a Screen.
Claims use since June 9, 1938.

Ser. No. 573,523. Bulova Watch Company, Inc., New York, N. Y. Filed Feb. 9, 1949. (Sec. 2f.)

BULOVA

Applicant claims ownership of Registrations Nos. 226,889, 184,904, and 513,364.

For Photographic Recorder—Namely, a Combination of Photographic Apparatus and Electrical Time Recorder for Use More Particularly in Photographing and Recording the Exact Order of Finish of Contestants in a Race and of the Elapsed Time of Each Contestant.
Claims use since Jan. 17, 1948.

Ser. No. 575,383. The Waco Aircraft Company, Troy, Ohio. Filed Mar. 12, 1949.

TALK TIMER

The word "Timer" is disclaimed.

For Electrically Operating Time Interval Measuring Devices Incorporating a Signal and a Switch for Use in Conjunction With Other Electrical Apparatus.
Claims use since Jan. 22, 1949.

Ser. No. 583,016. Alco Photo Supply Corporation, New York, N. Y. Filed Aug. 5, 1949.

ALCO

For Photographic Supplies—Namely, Cameras; Film; Light Attachments for Exposure Meters; Flash Bulb Adaptors; Meter Carrying Cases; Calculator Dials; Tripods; Camera Stands; Film Holders; Light Trap Filters; Shutters; Shutter Boosters; Iris Flanges; Focusing Cloth; Shutter Releases; Camera Cases; Range Finders; Flasher and Flash Shutter Synchronizers, and Parts Therefor—Namely, Flash Bulb Reflectors, Flash Battery Cases and Extension Tubes Thereof, and Trippers; Air Meters; Lens Boards; Camera Brackets; Photo Flood Lamps; Diffusing Screens; Photo Flash Lamps; Printers and Enlargers; Sensitized Paper for Making Photographic Prints; Film Developing, Fixing and Washing Devices—Namely, Tanks, Photograph Film Developing Trays, Film Racks, Graduates, Print Driers, Print Washers, Drying Cabinets, Automatic Film Developing Machines, Infra-Red Film Driers; Electric Projection Lamps; Ferrotype Plates; Thermometers; Light Filters for Lamp Bulbs; Dark Room Light Bulbs; Film and Plate Hangers; Print Rollers; Print Presses; Print Frames; Scales; Trimming Boards Equipped With Measuring Rule; Projection Printers; Projection Screens; Reels and Reel Cans; Film Editing Apparatus; Film Splicers; Motion Picture Film Rewinding Apparatus; Photograph Titling Apparatus; Film Viewers; Transparent Photo Slide Binders, Slide Cover Glass and Slide Boxes; Slide Projectors; Files for Negatives and Prints; Filing Tubes for Rolls of Photograph Film; Slide Rules; Changing Bags; Motion Picture Films.
Claims use since January 1946.

Ser. No. 591,628. Samuel J. Koch, doing business as The Pyramid Instrument Company, New York, N. Y. Filed Jan. 28, 1950.

AMPROBE

For Clamp Type Volt-Ammeters.
Claims use since July 5, 1949.

Ser. No. 597,697. Raytheon Manufacturing Company, Newton, Mass. Filed May 18, 1950.

CAPE COD NAVIGATOR

The term "Navigator" is disclaimed.

For Radio Navigation Apparatus—Namely, Apparatus for Detecting the Direction of the Propagation of Radiated Electro-Magnetic Energy.
Claims use since January 1941.

Ser. No. 606,501. United States Safety Service Co., Kansas City, Mo. Filed Nov. 16, 1950.

SAF-I-DUO

For Face Shields and Goggles.
Claims use since Oct. 10, 1950.

Ser. No. 612,318. The FR Corporation, New York, N. Y. Filed Apr. 6, 1951.

PORT · A · VIEW

The word "View" is disclaimed.
For Projector for Still Photographs.
Claims use since Feb. 26, 1951.

Ser. No. 613,803. Clairmont-Nichols, Inc., New York, N. Y. Filed May 12, 1951.

Tie-Winks

The word "Tie" is disclaimed.
For Spectacles.
Claims use since Mar. 1, 1951.

Ser. No. 613,979. Ercona Camera Corporation, New York, N. Y. Filed May 17, 1951.

Beltica

For Cameras.
Claims use since July 1950.

Ser. No. 613,981. Ercona Camera Corporation, New York, N. Y. Filed May 17, 1951.

Belca

For Cameras.
Claims use since July 1950.

Ser. No. 613,982. Ercona Camera Corporation, New York, N. Y. Filed May 17, 1951.

Nizo

For Motion-Picture Cameras and Projectors.
Claims use since July 1950.

Ser. No. 617,071. The Aetna Casualty and Surety Company, Hartford, Conn. Filed July 28, 1951.

ROADOMETER

For Apparatus To Measure the Reaction of a Driver to Imminent Personal Peril, Denoted Visually by the Projection on a Screen of Motion Pictures of Highway Traffic Conditions as They Would Appear to an Automobile Driver, by Testing Steering Ability, Braking Reaction Time, Selection of Safe Speeds, Proper Use of Directional Signals and Proper Use of Horn.
Claims use since March 1951.

Ser. No. 617,259. Leslie Norman, doing business under the name of Precision Radiation Instruments, Los Angeles, Calif. Filed Aug. 2, 1951.

THE SNOOPER

For Geiger Counter.
Claims use since June 1, 1951.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 601,032. Etablissements Ed. Jaeger, Levallois-Perret, Seine, France. Filed July 21, 1950.

ATMOS

For Clocks.
Claims use since May 17, 1930; and first used in commerce between France and the United States on January 1, 1936.

Ser. No. 607,483. Bulova Watch Company, Inc., New York, N. Y. Filed Dec. 9, 1950.

Black Beauty

For Watches—Namely, Wrist or Strap Watches.
Claims use since Nov. 3, 1950.

Ser. No. 608,980. Oscar Bettschen, New York, N. Y. Filed Jan. 19, 1951.

CRYPTON

For Watches, Clocks, and Parts Thereof.
Claims use since Jan. 8, 1951.

Ser. No. 611,039. Movado Watch Agency, Inc., New York, N. Y. Filed Mar. 8, 1951.

FUTURAMIC

For Watches.
Claims use since Feb. 5, 1951.

Ser. No. 611,236. Zoekrya Moradpour, doing business as Fordin Watch Company, New York, N. Y. Filed Mar. 13, 1951.

FORDIN

For Watches and Parts Thereof.
Claims use since Dec. 28, 1950.

Ser. No. 612,631. Superior Watch Corporation, New York, N. Y. Filed Apr. 13, 1951.

SEATIMER

For Watches and Parts Thereof.
Claims use since Mar. 29, 1951.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 593,792. Fanmour Corporation, New York, N. Y. Filed Mar. 11, 1950.

Lady Fanmour

"Lady Fanmour" is fanciful and does not refer to a particular individual.
For Necklaces Embodying Artificial Pearls.
Claims use since Jan. 6, 1950.

Ser. No. 599,059. Speidel Corporation, Providence, R. I. Filed Apr. 21, 1950.

Cortez

The mark is the name of the famous conqueror of Mexico, now deceased. The drawing is lined for shading purposes only.
For Watch Bracelets (Not Including Watches).
Claims use since Apr. 10, 1950.

Ser. No. 599,847. Speidel Corporation, Providence, R. I. Filed June 27, 1950.

Spirit of Paris

The word "Paris" is disclaimed. Applicant claims ownership of Registration No. 421,589.
For Watch Bracelets (Not Including Watches)
Claims use since June 2, 1950.

Ser. No. 605,099. Klik Enterprises, Inc., New York, N. Y. Filed Oct. 18, 1950.

TEL-E-PEN

The word "Pen" is disclaimed.
For Chain and Clip Ornamented With Precious Metal for Attaching a Pen or Pencil to the Base of a Telephone Instrument.
Claims use since Oct. 5, 1950.

Ser. No. 607,888. Frank M. Whiting & Company, Meriden, Conn. Filed Dec. 19, 1950.

Floralux

The mark is spelled "Floralux."
For Sterling and Plated Silver Hollowware.
Claims use since Jan. 6, 1950.

Ser. No. 608,045. Melvin Whitney and Company, Los Angeles, Calif. Filed Dec. 23, 1950.

Aristocraft

For Costume Jewelry—to Wit, Gold Filled, Gold Plated, Silver Plated, and Glass Necklaces, and Ear Rings, Simulated Pearl Necklaces, and Ornamental Pins.
Claims use since Feb. 4, 1946.

Ser. No. 610,692. Kestenman Bros. Mfg. Co., Providence, R. I. Filed Mar. 1, 1951. (Sec. 2f.)

KESTENMADE

Applicant claims ownership of Registration No. 287,677.
For Bracelets, Clasps, and Buckles in the Nature of Jewelry, Not Including Watches.
Claims use since April 1924.

Ser. No. 613,140. National Silver Company, New York, N. Y. Filed Apr. 25, 1951.

CHINTZ ROSE

The word "Rose" is disclaimed. The mark is fanciful and not botanical.
For Silverplated Flatware.
Claims use since Mar. 20, 1951.

Ser. No. 613,141. National Silver Company, New York, N. Y. Filed Apr. 25, 1951.

HEARTROSE

The word "Rose" is disclaimed. The mark is fanciful and not botanical.
For Silverplated Flatware.
Claims use since Mar. 20, 1951.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 581,486. The Kenwill Corporation, Cleveland, Ohio. Filed July 2, 1949.

MAGI KOTER

The word "Koter" is disclaimed.
For Roller-Type Paint Applicator.
Claims use since Apr. 1, 1949.

Ser. No. 600,510. Richmond Broom Company, Richmond, Va. Filed July 11, 1950.

Cavalier

For Household Brooms.
Claims use since Aug. 4, 1944.

Ser. No. 604,024. Piedmont Mop Company, Incorporated, Charlotte, N. C. Filed Sept. 26, 1950.

RANGER

For Mops and Mop Heads Made From Strands of Fibrous Textile Material.
Claims use since Mar. 1, 1939.

Ser. No. 604,025. Piedmont Mop Company, Incorporated, Charlotte, N. C. Filed Sept. 26, 1950.

EVERWEAR

For Mops and Mop Heads Made From Strands of Fibrous Textile Material.
Claims use since March 1939.

Ser. No. 604,026. Piedmont Mop Company, Incorporated, Charlotte, N. C. Filed Sept. 26, 1950.

ACE

For Mops and Mop Heads Made From Strands of Fibrous Textile Material.
Claims use since May 1, 1949.

Ser. No. 604,027. Piedmont Mop Company, Incorporated, Charlotte, N. C. Filed Sept. 26, 1950.

STYLE 100

The word "Style" is disclaimed.
For Mops and Mop Heads Made From Strands of Fibrous Textile Material.
Claims use since Apr. 1, 1941.

Ser. No. 604,028. Piedmont Mop Company, Incorporated, Charlotte, N. C. Filed Sept. 26, 1950.

DIXIE BELLE

For Mops and Mop Heads Made From Strands of Fibrous Textile Material.
Claims use since Apr. 1, 1950.

Ser. No. 608,424. Glenwood S. Mack, doing business as Andrew Mack & Son, Jonesville, Mich. Filed Jan. 5, 1951.

GRIP-STROKE

The word "Grip" is disclaimed.
For Brushes for Use by Artists.
Claims use since Oct. 31, 1950.

Ser. No. 609,988. United States Oralizer Corporation, New York, N. Y. Filed Feb. 12, 1951.

ORALIZER

For Combination Tooth-Brushes and Tongue Cleaners.
Claims use since Jan. 22, 1951.

Ser. No. 611,164. West Disinfecting Company, Long Island City, N. Y. Filed Mar. 10, 1951.

The words "Disinfecting Company" are disclaimed.
For Hand Mop With Cotton Material on the End Thereof; Wax Hand Mop With Lamb's Wool Attached to the End Thereof.
Claims use since Dec. 1, 1950.

Ser. No. 611,457. A. J. Siris Products Corp., New York, N. Y. Filed Mar. 16, 1951.

Diana Marsh

The name shown in the drawing is fanciful.
For Powder Puffs.
Claims use since February 1949.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 609,700. Sanitary Refrigerator Company, Fond du Lac, Wis. Filed Feb. 6, 1951. (Sec. 2f.)



Applicant claims ownership of Registration No. 412,591.
For Refrigerated Cabinets and Multiple Combination Units Thereof Known as Refrigerated Farm Locker Plants and as Farm and Home Freezers, and Ice Refrigerators Adapted To Be Cooled by Either Ice or by Electrically Powered Refrigerator Apparatus, and Combinations of Refrigerated Farm Locker Plants and Refrigerated Compartments Cooled by Electrically Powered Cooling Units.
Claims use since Jan. 5, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 521,243. Colvin Corporation, Long Island City, N. Y. Original filed, act of 1905, Apr. 24, 1947; amended to application under act of 1946, Principal Register, July 15, 1948.



For Juvenile Furniture—Namely, Beds, Cribs, Chests, Chiffoniers, Wardrobes, Dressers, Tables, Chairs, Footstools, Play Pens, and Mirrors.
Claims use since Mar. 8, 1947.

Ser. No. 523,903. Massachusetts Mattress Company, Boston, Mass. Original filed, act of 1905, June 10, 1947; amended to application under act of 1946, Principal Register, Feb. 21, 1949. (Sec. 2f.)

EXETER

For Mattresses and Box Springs.
Claims use since January 1942.

Ser. No. 544,509. The Boye Needle Company, Chicago, Ill. Filed July 15, 1947. (Sec. 2f.)

"BOYE"

Applicant claims ownership of Registrations Nos. 243,261 and 270,907.
For Rotary-Needle, Shuttle, and Bobbin Cases or Cabinets; Safety-Pin Cabinets, Crochet-Hook Cabinets, Surgi-

cal-Safety-Pin Cabinets, Oil-Display Cases, Interchangeable-Crochet-Hook Cabinets, Dress-Fastener Cabinets, Hand-Needle Cabinets, Coiled-Wire-Curtain-Holder Display Stands, Thimble-Display Stands, Stainless-Steel Cabinet Ware Display Cabinets, Kitchen-Ware Display Stands, Embroidery Hoop Display Stands, Phonograph Needle Display Stands, Display Cap for Crochet Hooks, Door Check Display Stands, Knitting Pin Cabinets, Bob-Pin Display Cabinets, Garment Hanger Display Stands, Common Pin Display Stands, and Hook and Eye Display Stands.
Claims use since August 1906.

Ser. No. 558,816. Security Steel Equipment Corporation, Woodbridge, N. J. Filed June 9, 1948.

Crest LINE

The word "Line" is disclaimed.
For Metal Office Furniture—Namely, Chairs, Desks, Tables, Telephone Stands, Book-Cases, Couches, and Settees Constructed Essentially of Metal and Designed Primarily for Use in Offices, Commercial and Industrial Establishments, as Distinguished From Homes and Other Places of Residence.
Claims use since May 17, 1948.

Ser. No. 579,205. Neiman Steel Equipment Company, Inc., Philadelphia, Pa. Filed May 20, 1949. (Sec. 2f.)

Neiman

For Steel Shelving Units, Upright Divided Wall Parts-Bins, Tool Storage Cabinets, Serving Counters, Storage Lockers, and Storage Cabinets.
Claims use since September 1933.

Ser. No. 585,222. Enterprise-Moakler Co. Inc., Cambridge, Mass. Filed Sept. 23, 1949.

White Cross

Applicant claims ownership of Registration No. 411,717.
For Mattresses, Studio Couches, Box Springs, Bed Springs, Love Seats, Chairs for Bedroom, Dining Room, or Living Room Use, Including Upholstered Chairs and Rocking Chairs, Beds, and Pads in the Nature of Mattresses for Children's Carriages, Chairs, Beds, and Play Pens.
Claims use since May 1, 1909.

Ser. No. 591,514. Vito M. Renna, doing business as Coast Store Fixture and Manufacturing Company, Los Angeles, Calif. Filed Jan. 26, 1950.

REVOLVOOR

The representation of the goods is disclaimed.
For Wardrobes and Refreshment Bars.
Claims use since Sept. 1, 1948.

Ser. No. 592,623. Gerry Nufoam Products Corporation, New York, N. Y. Filed Feb. 17, 1950.

Oceans of Foam

The word "Foam" is disclaimed.
For Pillows Made of Latex Foam Rubber.
Claims use since Dec. 15, 1949.

Ser. No. 592,624. Gerry Nufoam Products Corporation, New York, N. Y. Filed Feb. 17, 1950.

Oceans of Foam

The word "Foam" is disclaimed.
For Pillows Made of Latex Foam Rubber.
Claims use since Dec. 15, 1949.

Ser. No. 600,023. Burton-Dixie Corporation, Chicago, Ill. Filed June 30, 1950.

STARLIGHT

For Mattresses.
Claims use since July 29, 1947.

Ser. No. 600,925. Shifman Bros., Newark, N. J. Filed July 19, 1950.

The STARLIGHT

For Mattresses.
Claims use since August 1945.

Ser. No. 604,304. The International Bedding Company, Baltimore, Md. Filed Oct. 2, 1950.

Air Cloud

The word "Air" is disclaimed. Applicant claims ownership of Registration No. 347,827.
For Cotton Mattresses, Cotton Felt Mattresses, Hair Mattresses, Lamb's Wool Mattresses, Mattresses With Inner Spring Center, Sofa and Couch Cushions, Studio Couches, Box Springs, and Pillows.
Claims use since Nov. 10, 1941.

Ser. No. 606,927. Oklahoma Furniture Manufacturing Company, Guthrie, Okla. Filed Nov. 25, 1950.

Lux-Ria

For Upholstered Furniture—Namely, Two-Piece Living Room Suites, Occasional Chairs, Sofa-Beds, and Davenports.
Claims use since June 19, 1950.

Ser. No. 608,077. The Porta-Bed Co., Inc., Dallas, Tex. Filed Dec. 26, 1950.

PORTA-BED

The word "Bed" is disclaimed.
For Portable Baby Bed.
Claims use since Oct. 1, 1946.

Ser. No. 609,172. John T. Fairhurst Co. Inc., New York, N. Y. Filed Jan. 24, 1951. (Sec. 2f.)

UNITFOLD

For Wardrobes, Folding Partitions, and Structural Parts for Wardrobes and Folding Partitions.
Claims use since 1929.

Ser. No. 613,769. Daystrom, Incorporated, Elizabeth, N. J. Filed May 11, 1951.

it's DAYSTROM furniture

The words "It's" and "Furniture" are disclaimed.
For Chromed Steel Tubular, Plastic-Coated Tubular, Plastic and Wooden Furniture—Namely, Kitchen and Dinette Tables, Chairs, and Sets; Juvenile Size Tables, Chairs, and Sets; Club, Lounge, and Barrel Back Chairs; Sectional Lounge Settees; Rollaway Tables; and Bar, Kitchen, and Household Stools.
Claims use since May 11, 1948.

Ser. No. 613,780. The Nurre Companies, Inc., Bloomington, Ind. Filed May 11, 1951.

Crystallure

For Glass Mirrors, for Use in the Hand, on the Wall, and in Connection With Furniture.
Claims use since Feb. 2, 1951.

CLASS 33

GLASSWARE

Ser. No. 603,856. Pittsburgh Plate Glass Company, Pittsburgh, Pa. Filed Sept. 21, 1950.

PENNVERNON LAMIGLASS

Applicant claims ownership of Registration No. 300,922.
For Sheet Glass.
Claims use since July 28, 1950.

Ser. No. 606,241. The Silex Company, Hartford, Conn. Filed Nov. 10, 1950.

SILEX MIXIE

For Glass Jars for Mixing Beverages.
Claims use since Oct. 11, 1950.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 555,290. Motor Wheel Corporation, Lansing, Mich. Filed Apr. 22, 1948.

DRAFT-MINDER

The word "Draft" is disclaimed.
For Automatic Draft Regulator of the Type Comprising a Blade Pivoted in, and Substantially Filling, an Opening and Provided With a Counterbalancing Weight Which Can Be Adjusted to and From the Axis of Rotation of the Blade to Vary the Air Pressure Required to Tilt the Blade and Admit Air Through the Opening.
Claims use since August 1947.

Ser. No. 563,102. Automatic Range Co., Inc., Brooklyn and New York, N. Y. Filed Aug. 10, 1948.

VARI-TROL

For Gas Burner Valves for Cooking Ranges.
Claims use since June 30, 1948.

Ser. No. 578,787. General Ceramics & Steatite Corp., Keasbey, N. J. Filed May 13, 1949.

IMPERVITE

For Impregnated Graphite Plate Heaters and Tube and Shell Heat Exchangers.
Claims use since Aug. 1, 1948.

Ser. No. 589,767. Chambers Corporation, Shelbyville, Ind. Filed Dec. 22, 1949.

Thermobaker

For Baffle-Equipped Heat Equalizing Apparatus for Use in Range Cooking Wells To Effect Baking Therein.
Claims use since June 22, 1949.

Ser. No. 601,703. American Gas Machine Company, Albert Lea, Minn. Filed Aug. 4, 1950.

VARIFLAME

For Oil and Gas Heating Stoves, Furnaces, Heating Units and Burners Therefor.
Claims use since June 27, 1950.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 576,975. Lewis & Tylor Limited, Cardiff, Wales. Filed Apr. 12, 1949.

GRIPOLASTIC

For Machine Belting.
Claims use since 1934 in Great Britain; and was first used in commerce between Great Britain and the United States in the year 1936.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 533,703. Conlon-Moore Corporation, Conlon Division, Joliet and Chicago, Ill. Filed Sept. 8, 1947.

DEMO-KIT

The word "Kit" is disclaimed.
For Kits Consisting of Grooved Phonograph Records and Pictorial Illustrations.
Claims use since Aug. 29, 1947.

Ser. No. 549,057. Decca Records, Inc., New York, N. Y. Filed Feb. 7, 1948.

AUTO-CLASSIC

For Phonograph Needles.
Claims use since May 29, 1947.

Ser. No. 558,872. The Decca Record Company Limited, London, England. Filed June 10, 1948.

REX

Applicant claims ownership of British Registration No. 523,798, dated June 23, 1931.
For Mechanically Grooved Gramophone Records.
Claims use since 1931 in Great Britain; and first used in commerce between foreign nations and the United States and among the several States in or about 1933.

Ser. No. 571,294. St. Louis Music Supply Co., St. Louis, Mo. Filed Dec. 29, 1948. (Sec. 2f.)

Silvestri

For Accordions, Banjos, Bugles, Cellos, Clarinets, Drums, Guitars, Mandolins, Saxophones, Ukeleles, Violas, Violins, Bassoons, Trumpets, Coronets, Trombones, French Horns, Melliophones, Baritones, Sousaphones, Harmonicas, Oboes, Flutes, Piccolos, Xylophones, Cases for Musical Instruments, Strings for Musical Instruments, Instrument Picks, Batons, Straps for Musical Instruments.
Claims use since June 1933.

Ser. No. 573,692. Societe de Faconnage et de Commerce, Velaines, France. Filed Apr. 27, 1949.



The word "Paris" is disclaimed. The drawing is lined for the colors red, blue, and gold. Applicant claims ownership of French Registration No. 391,341, dated Jan. 21, 1949.
For Musical Instruments—Namely, Clarinets.

Ser. No. 584,949. N. Frontalini & Figli, Numana, Italy. Filed Aug. 5, 1949. (Sec. 2f.)

Frontalini

Applicant claims ownership of Registration No. 508,300.
For Wind Instruments—Namely, Accordions.
Claims use since January 1925; and use in commerce between foreign nations and the United States, especially between Italy and the United States since January 1925.

Ser. No. 589,692. Winter & Company, Inc., New York, N. Y. Filed Dec. 20, 1949. (Sec. 2f.)

HUNTINGTON
NEW YORK

The representation of a man in the drawing is fanciful.
For Pianos.
Claims use since Jan. 1, 1894.

Ser. No. 606,703. Falcon Record Company, Mission, Tex. Filed Nov. 21, 1950.

Falcon

For Grooved Phonograph Records.
Claims use since Jan. 2, 1949.

Ser. No. 609,930. S. S. Kresge Company, Detroit, Mich. Filed Feb. 10, 1951.

Contest

Applicant claims ownership of Registration No. 285,218.
For Mouth Harmonicas.
Claims use since Jan. 16, 1931.

CLASS 37
PAPER AND STATIONERY

Ser. No. 527,134. Crown Zellerbach Corporation, also doing business as National Paper Products Sales Company, San Francisco, Calif. Filed July 5, 1947. (Sec. 2f.)

LINEN-SOFT

Applicant claims ownership of Registration No. 409,202.
For Paper Towels and Toilet Tissue.
Claims use since June 1935.

Ser. No. 540,475. Roy R. Smith, doing business as Econo-Pak Register Company, Kansas City, Mo. Filed Nov. 7, 1947.



The words "Clock Check" are disclaimed.
For Partially Printed Record Forms for Use in Autographic Registers.
Claims use since July 30, 1946.

Ser. No. 548,671. Northern Paper Mills, Green Bay, Wis. Filed Feb. 3, 1948. (Sec. 2f.)

GAUZE

The drawing is lined for blue which is an essential feature of the mark. Applicant claims ownership of Registrations Nos. 262,563, 289,183, 299,934, 305,506, 423,741, and 424,264.
For Paper Products—Namely, Toilet Tissue, Towels, Napkins, and Facial Tissue.
Claims use since Sept. 16, 1939.

Ser. No. 553,158. Morris Wilner, Pittston, Pa. Filed Mar. 26, 1948.

DRAMATIZED

For Wallpapers With Various Designs Thereon.
Claims use since Oct. 1, 1947.

Ser. No. 563,378. Universal Fountain Pen & Pencil Co., New York, N. Y., assignor to Universal Fountain Pen & Pencil Co., Inc., New York, N. Y., a corporation of New York. Filed Aug. 13, 1948.

KLIP-O-MATIC

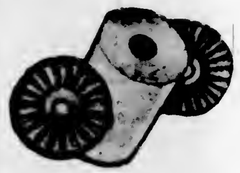
The word "Klip" is disclaimed. Applicant claims ownership of Registration No. 416,871.
For Fountain Pens.
Claims use since July 29, 1948.

Ser. No. 588,789. The Diamond Match Company, New York, N. Y. Filed Dec. 5, 1949.



The drawing is lined for red and blue. Applicant claims ownership of Registration No. 535,427.
For Paper Napkins.
Claims use since Feb. 21, 1948.

Ser. No. 592,843. Retlif Corporation, Hollywood, Calif. Filed Feb. 21, 1950.



RETLIF MULTI-COIL

The representations of the adapter plates and filter paper and the term "Multi-Coil" are disclaimed.
For Removable Filter Paper for Attachment to an Oil Filter of an Automobile, Sold in Bulk.
Claims use since Nov. 15, 1949.

Ser. No. 600,535. Joseph Dixon Crucible Company, Jersey City, N. J. Filed July 12, 1950.

EXECUTIVE

For Lead Pencils.
Claims use since Apr. 10, 1905.

Ser. No. 601,104. L. & C. Hardtmuth, Inc., Bloomsbury, N. J. Filed July 22, 1950.

TECHNIFLEX

Applicant claims ownership of Registration No. 375,022.
For Pencils—Namely, Colored Pencils.
Claims use since July 5, 1950.

Ser. No. 608,021. George Seelman & Sons Co., Milwaukee, Wis. Filed Dec. 22, 1950.

SEELCO

Applicant claims ownership of Registrations Nos. 241,890, 278,519, and 427,334.
For Memo Book Covers, Check Book Covers, and Other Book Covers and Filing Envelopes of Paper or Cloth.
Claims use since Feb. 10, 1927.

Ser. No. 609,035. Charles R. Hadley Company, Los Angeles, Calif. Filed Jan. 20, 1951.

UNISORT

For Partially Printed Marginally Punched Cards.
Claims use since July 17, 1950.

Ser. No. 609,855. Gotham Tissue Corporation, Salem, N. Y. Filed Feb. 9, 1951. (Sec. 2f.)

Séda

Applicant claims ownership of Registration No. 287,925.
For Toilet Paper, Paper Facial Tissues, Paper Napkins, and Paper Towels.
Claims use since May 1, 1930.

Ser. No. 613,013. Marathon Corporation, Rothschild, Wis. Filed Apr. 23, 1951.

LINENCREST

Applicant claims ownership of Registrations Nos. 285,560 and 256,736.
For Paper Napkins.
Claims use since Jan. 2, 1929.

Ser. No. 613,534. Stocker Manufacturing Company, Netcong, N. J. Filed May 4, 1951.

COTCO

For Wrapping Paper.
Claims use since Feb. 20, 1951.

Ser. No. 613,537. Stocker Manufacturing Company, Netcong, N. J. Filed May 4, 1951.

NYLCO

For Wrapping Paper.
Claims use since Feb. 20, 1951.

Ser. No. 613,601. Paul J. Mosberg, doing business under the name Metropolitan Photo Co., Seattle, Wash. Filed May 7, 1951.

METROCLIP

For Photographic Album Covers, Binding Clips, and Acetate Shields to Facilitate the Application of the Clips to the Albums.
Claims use since Apr. 29, 1950.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 555,390. Dow Jones & Company, Inc., New York, N. Y., assignor to Dow Jones & Company, Inc., Wilmington, Del., a corporation of Delaware. Filed Apr. 23, 1948.

What's News—

The word "News" is disclaimed.
For Section of a Daily Newspaper Devoted to Current Event Items.
Claims use since Sept. 4, 1934.

Ser. No. 593,691. Small Town & Farm Markets Institute, Incorporated, New Canaan, Conn. Filed Mar. 9, 1950.

AD • FECT

For Published Analyses Relating to Newspaper Advertising in the Form of Charts and Statistical Reports.
Claims use since July 1949.

Ser. No. 597,296. Harold B. Robinson, doing business under the name and style of Neo-Photo, New York, N. Y. Filed May 11, 1950.

NEO-PHOTO

The word "Photo" is disclaimed.
For Photographic Prints.
Claims use since May 1, 1950.

Ser. No. 605,307. The International Legal Fraternity of Phi Delta Phi, Boulder, Colo. Filed Oct. 23, 1950.

THE BRIEF

For Magazine, Published at Least Four Times a Year.
Claims use since October 1887.

Ser. No. 610,173. The Gerlach-Barklow Co., Joliet, Ill. Filed Feb. 16, 1951.



For Printed Wall Calendars, Printed Greeting Cards, Printed Greeting Folders, Printed Point of Purchase Paper Store Placards, Advertising Brochures, Printed Window Cards, and Printed Window Advertising Placards Distributed to the Trade.
Claims use since Jan. 11, 1951.

Ser. No. 610,201. Claridge Publishing Corp., New York, N. Y. Filed Feb. 17, 1951.



The words "Labor Library" and the representation of the books are disclaimed.
For Books Pertaining to Labor, Magazines Published Serially From Time To Time, Periodicals and Brochures Pertaining to Labor.
Claims use since Jan. 15, 1951.

Ser. No. 612,332. Belle S. Keller, doing business as Keller Publishing Company, New York, N. Y. Filed Apr. 6, 1951. (Sec. 2f.)

El Embotellador

For Magazine Published Monthly.
Claims use since June 15, 1945.

Ser. No. 612,706. Schwabacher-Frey Company, San Francisco, Calif. Filed Apr. 16, 1951.

Litho-Blooms

The word "Blooms" is disclaimed.
For Lithographed Labels for Plants and Flowers.
Claims use since Mar. 10, 1951.

Ser. No. 612,810. Joseph Luchs, doing business as Joseph Luchs and Staff, Philadelphia, Pa. Filed Apr. 18, 1951.



The word "Selling" is disclaimed. Applicant claims ownership of Registrations Nos. 284,027 and 433,953.
For Educational Literature in the Form of Printed Sheets, Cards, Posters, or Pamphlets.
Claims use since Oct. 30, 1930.

Ser. No. 613,030. Stoody Company, Whittier, Calif. Filed Apr. 23, 1951. (Sec. 2f.)

Fusion Facts

For Quarterly Publication.
Claims use since Oct. 15, 1927.

Ser. No. 617,291. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed Aug. 3, 1951.

The
NEWS BAG

The word "News" is disclaimed.
For Periodic Magazine.
Claims use since September 1935.

CLASS 39

CLOTHING

Ser. No. 539,022. Brown Durrell Co., Cambridge, Mass., and New York, N. Y. Filed Oct. 25, 1947. (Sec. 2f as to "Gordon.")

Gordon
MIRACLE

Applicant claims ownership of Registrations Nos. 189,188, 284,253, and 284,254.
For Infants' and Children's Shirts, Two Piece Undergarments, Union Suits, Sleeping Garments, and Men's Two Piece and Union Suit Undergarments.
Claims use since January 1939.

Ser. No. 573,755. Benay Albee Novelty Co., Brooklyn, N. Y. Filed Feb. 12, 1949.

SUPERSONIC WHIRLER

Applicant claims ownership of Registration No. 522,221.
For Boys' Novelty Felt Hats and Felt Caps.
Claims use since Sept. 6, 1948.

Ser. No. 591,315. Pasolds Limited, Langley, England. Filed Jan. 23, 1950.

Ladybug

For Underwear, Pyjamas, Dressing Gowns, Shirts (T-Shirts and Sweatshirts), and Sweaters for Children and Women, Buster Suits (Children's Shirt and Pants Combinations), Infants' Sleeping Bags.
Claims use since Nov. 30, 1949 in Great Britain; and first used in commerce between Great Britain and the United States on Dec. 5, 1949.

Ser. No. 595,207. G. H. S. Corporation, New York, N. Y. Filed Apr. 4, 1950.

VANITY

For Hair Nets.
Claims use since March 1950.

Ser. No. 600,301. Ernest J. Michel, New York, N. Y. Filed July 6, 1950.



The word "California" is disclaimed.
For Men's Shirts and Women's Blouses.
Claims use since Jan. 4, 1950.

Ser. No. 604,841. David D. Doniger & Co. Inc., New York, N. Y. Filed Oct. 13, 1950.

Tri-Threat

For Men's and Boys' Wearing Apparel—Namely, Sport Jackets.
Claims use since Oct. 13, 1949.

Ser. No. 605,187. White Valley Corporation, Amsterdam, N. Y. Filed Oct. 19, 1950.

White Valley

For Men's, Women's, and Children's Lumber Jackets, Bomber Jackets, Surcoat Jackets, Pea-Jackets, Casual Coats, Sport Coats, Leisure Jackets, and Storm Coats.
Claims use since Aug. 15, 1950.

Ser. No. 605,711. Ber-Tals Apparel Shop, Chicago, Ill. Original filed, act of 1946, Supplemental Register, Nov. 1, 1950; amended to application, Principal Register, Sept. 21, 1951.

Ber-Tals

For Men's, Women's, and Children's Wearing Apparel—Namely, Suits, Coats, Overcoats, Raincoats; Sweaters, Pajamas, Hosiery, Neckties, Belts, Scarfs, Smocks, Blouses, Aprons, Skirts, Dresses, Negligees, Nightgowns, Shawls; Boys' and Men's Dress, Negligee, and Work Shirts and Undershirts; Collars, Mufflers, Smoking Jackets, and Sweater Jackets; Women's and Misses' Shorts and Slacks; Caps, Hats; Shoes of Leather, Satin, and Brocade, Gloves of Leather, Fabric, or Combinations thereof; Riding Habits, Sport Coats, Bathing Suits, Beach Robes, House Robes, and Bathrobes.
Claims use since Aug. 26, 1945.

Ser. No. 607,443. Murphy, Brill & Sahner, Inc., New York, N. Y. Filed Dec. 8, 1950.



The portrait is fanciful. Applicant claims ownership of Registration No. 432,455.
For Hosiery.
Claims use since Feb. 19, 1936.

Ser. No. 608,685. Trimfoot Company, Farmington, Mo. Filed Jan. 11, 1951.



For Women's and Children's Shoes, Made Substantially of Leather, Fabric, or Rubber or Combinations Thereof.
Claims use since Oct. 30, 1950.

Ser. No. 610,841. Gerda Footwear Co., Inc., New York, N. Y. Filed Mar. 5, 1951.



For Men's, Women's, and Children's Shoes Made of Leather, Fabric, Rubber, and Combinations Thereof.
Claims use since July 9, 1946.

Ser. No. 611,162. West Disinfecting Company, Long Island City, N. Y. Filed Mar. 10, 1951.

The words "Disinfecting Company" are disclaimed.
For Industrial Aprons and Sleeves.
Claims use since Dec. 1, 1950.

Ser. No. 611,771. Craddock-Terry Shoe Corporation, Lynchburg, Va. Filed Mar. 26, 1951.

Terry

Applicant claims ownership of Registration No. 372,605.
For Men's and Boys' Shoes.
Claims use since Jan. 30, 1951.

Ser. No. 611,772. Craddock-Terry Shoe Corporation, Lynchburg, Va. Filed Mar. 26, 1951.

UNIVERSAL

Applicant claims ownership of Registration No. 204,036.
For Men's, Women's, and Boys' Shoes.
Claims use since Apr. 6, 1925.

Ser. No. 611,927. Willis Hosiery Mills Inc., Concord, N. C. Filed Mar. 28, 1951.

SILVER CLOUD

For Hosiery for Women and Girls.
Claims use since Mar. 8, 1927.

Ser. No. 612,033. The Pioneer Rubber Company, Willard, Ohio. Filed Mar. 30, 1951.

BLACK MAGIC

The word "Black" is disclaimed.
For Household and Industrial Gloves Made From Natural or Synthetic Rubber, or Rubber-Like Material, or Combinations Thereof.
Claims use since Mar. 13, 1951.

Ser. No. 612,732. Cotton City Wash Frocks, Inc., Fall River, Mass. Filed Apr. 17, 1951.

Cotton City

The word "Cotton" is disclaimed.
For Ladies', Misses', and Teen Age Girls' Cotton Dresses, Housecoats, Brunch Coats, and Pinafores.
Claims use since Feb. 17, 1937.

Ser. No. 613,122. Dawnelle, Inc., New York, N. Y. Filed Apr. 25, 1951.

BEL-DOE

The word "Doe" is disclaimed.
For Ladies' and Misses' Gloves, of Leather, Fabric, and Combinations Thereof.
Claims use since Mar. 1, 1951.

Ser. No. 613,397. L. Brod Company, Philadelphia, Pa. Filed May 2, 1951.

EL-BRO
Original

The word "Original" is disclaimed.
For Women's, Misses', and Children's Blouses.
Claims use since Apr. 6, 1951.

Ser. No. 613,524. Plymouth Manufacturing Company, Boston, Mass. Filed May 4, 1951.

PLYCHECK

For Men's Topcoats and Raincoats.
Claims use since Mar. 7, 1951.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 613,731. Rhode Island Textile Company, Pawtucket, R. I. Filed May 10, 1951.

TOTEM POLE

For Shoe Laces.
Claims use since Apr. 5, 1951.

Ser. No. 613,811. G & W Leather Goods Supply Co., Inc., New York, N. Y. Filed May 12, 1951.

WONDER

For Backings for Use in the Making of Belts, Particularly by Home Dressmakers, Sold as Such and Adapted To Be Covered by a Suitable Decorative Fabric.
Claims use since Apr. 26, 1951.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 617,503. Knoll Associates, Inc., New York, N. Y. Filed Aug. 9, 1951.

For Curtain and Upholstery Fabrics of Cotton, Wool, Silk, and Synthetic Fibers and of Plastic Yarn.
Claims use since July 25, 1951.

CLASS 43

THREAD AND YARN

Ser. No. 603,975. N. V. Nederlandsche Wolspinnerij, Leiden, Netherlands. Filed Sept. 14, 1950.

Neveda

Applicant claims ownership of Dutch Registration No. 67,096, dated Sept. 19, 1934.
For Woolen and Part-Woolen Yarns, Dyed, Undyed, and Bleached.

Ser. No. 603,977. N. V. Nederlandsche Wolspinnerij, Leiden, Netherlands. Filed Sept. 14, 1950.

Neveda



Applicant claims ownership of Dutch Registration No. 84,709, dated June 18, 1946.
For Woolen Yarns.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 612,692. Holmes Cosmetics, Inc., Baltimore, Md. Filed Apr. 16, 1951.

Twiz

For Home Permanent Wave Kit Containing Liquid Shampoo, Cold Wave Solution, Neutralizer, Plastic Curlers, and End Papers.
Claims use since Jan. 11, 1951.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 565,647. Orange Food Products, Inc., Dorchester, Mass. Filed Sept. 22, 1948.

T-O

For Orange-Flavored Syrups and Bases Used in the Preparation of Non-Alcoholic Maltless Soft Drinks.
Claims use since May 6, 1948.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 493,177. The William Edwards Company, Cleveland, Ohio. Original filed, act of 1905, Dec. 13, 1945; amended to application under act of 1946, Principal Register, Oct. 4, 1950.

FIRST PRIZE

The words "A Quality Product" are disclaimed. The drawing is lined for the colors red and blue.
For Prepared Mustards, Prepared Horseradish.
Claims use since 1910.

Ser. No. 508,209. Cleveland Provision Company, Cleveland, Ohio. Original filed, act of 1905, Aug. 29, 1946; amended to application under act of 1946, Principal Register, Oct. 29, 1951. (Sec. 2f.)

Wiltshire

Applicant claims ownership of Registrations Nos. 75,505, 58,128, 154,516, and 279,245.
For Packing House Products—Namely, Luncheon Loaf (Pork, Beef, Dried Milk); Victory Loaf (Pork, Beef, Flour); Souse; Fresh Pure Pork Sausage Meat; Liver Delicacy (Pork Livers and Jowls); Peppered Pure Pork Sausage Meat; Visking Wieners (Beef, Pork); Braunschweiger (Links) (Pork Livers, Pork Jowls); Bacon; Delicatessen Boneless Butt (Pork Shoulder); Tender Ready-To-Eat Skinned Ham; Luxury Loaf (Veal, Pork); Smoked Sausage (Pork, Beef); Skinned Ham; Fancy Liver Sausage (Pork Livers, Pork); Wieners (Pork, Beef, Pork Hearts); Petite Sausage (Pork); Fresh Pure Pork Sausage (Links); Cooked Salami (Pork); Leona Style Sausage (Beef, Pork, Pickled Ham); Head Cheese (Pork); Smoked Picnic Pork Shoulder; Fine Leona Sausage (Pork, Veal, Dried Skim Milk); Canadian Style Bacon; Proschke Sausage (Pork, Beef); Layer Loaf (Pork, Cheese, Veal, Dried Skim Milk); and Delicatessen Boneless Ham.
Claims use since Oct. 12, 1938.

Ser. No. 525,900. The Maryland Biscuit Company, Baltimore, Md. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Jan. 18, 1950. (Sec. 2f.)

MARYLAND

For Graham Wafers.
Claims use since June 1932.

Ser. No. 540,627. F. M. Ball & Company, Oakland, Calif. Filed Nov. 10, 1947. (Sec. 2f.)

All Good

Applicant claims ownership of Registration No. 379,190.
For Canned Fruits, Canned Vegetables, Canned Fruit Juices for Food Purposes, Canned Vegetable Juices for Food Purposes, Canned Fruit Cocktail, Canned Fruits for Salad, Tomato Catsup, Tomato Sauce, and Tomato Paste.
Claims use since March 1921.

Ser. No. 545,663. Van Dusen Harrington Co., Minneapolis, Minn. Filed Dec. 29, 1947. (Sec. 2f.)

Dunkel

The trade-mark consists of the word "Dunkel." The drawing is lined to indicate the color red but coloring is not an essential characteristic of the mark.
For Rye Flour.
Claims use since 1912.

Ser. No. 549,647. The Miami Margarine Company, Cincinnati, Ohio. Filed Feb. 13, 1948. (Sec. 2f.)

NU-MAID

For Margarine.
Claims use since Mar. 5, 1936.

Ser. No. 550,015. Booth Fisheries Corporation, Chicago, Ill. Filed Feb. 18, 1948.

BOB WHITE

For Canned Fish.
Claims use since December 1914.

Ser. No. 550,889. The O. P. Baur Confectionery Company, Denver, Colo. Filed Mar. 1, 1948. (Sec. 2f.)

Baur's Est. 1872

Applicant claims ownership of Registration No. 178,828.
For Candies, Pastries, and Confections—Namely, Hard and Soft Candies Sold in the Bulk and in Packaged Containers, Pies, Cakes and Cookies, Ice Cream, Ices and Sherbets.
Claims use since 1906.

Ser. No. 560,412. Ice Kist Packing Company, Salinas, Calif. Filed June 29, 1948.

SNOW-FALL

For Fresh Lettuce.
Claims use since June 7, 1948.

Ser. No. 572,550. Chet's Famous Foods, Eugene, Oreg. Filed Jan. 22, 1949.

Chet's

For Turkey Tamales, Chicken Tamales, and Cheese Tamales, Sold Both in a Cooked and Frozen State and in a Cooked, Unfrozen Condition; Frozen Chicken Pies, Frozen Turkey Pies, Cooked Unfrozen Potato Salad.
Claims use since Jan. 1, 1936.

Ser. No. 572,551. J. L. Colyer, Yuma, Ariz. Filed Jan. 22, 1949. (Sec. 2f.)

Yuma Best

The stippling on the drawing indicates shading. Applicant claims ownership of Registration No. 405,727.
For Fresh Vegetables and Fresh Melons.
Claims use since Dec. 12, 1942.

Ser. No. 573,919. College Inn Food Products Company, Chicago, Ill. Filed Feb. 16, 1949.

COLLEGE INN

Applicant claims ownership of Registrations Nos. 175,067, 202,297, and others.
For Canned Cream of Pea Soup; Canned Consomme Madrilene; Canned Vegetable Soup With Beef Broth; Canned Chicken Gumbo Soup; Canned Chicken Broth; Canned Chicken Noodle Soup; Canned Cream of Tomato Soup; Canned Cream of Celery Soup; Canned Cream of Mushroom Soup; Canned Condensed Cream of Mushroom Soup; Canned Clam Chowder; Canned Chicken Soup; Canned Cream of Chicken Soup; Canned Rice Dinner (a Food Product Containing Rice, Tomatoes, Green Peppers, Onion, Pimiento Peppers, Beef Fat, Sugar, Salt, Beef Extract, Spices, Water); Canned and Bottled Boned Chicken; Canned Fricassee of Chicken Wings; Canned Chicken Fricassee (Boneless); Canned Spaghetti With Meat and Sauce; Canned Whole Chicken; Bottled Egg Noodle and Chicken Dinner; Canned Chili Beans in Spicy Sauce; Canned and Bottled Tomato Juice Cocktail; Canned Pure Tomato Juice; Canned Orange Juice; Canned Grapefruit Juice; Canned Choc Malt (a Canned Chocolate Malted Dairy Beverage); Canned Bottled and Frozen Chicken a la King; Packaged Chili Dinner (a Food Product Containing Chili Beans, Flour, Salt, Chili Pepper, Comino, Oregano, Spices and Flavoring); Bottled Extra Sweet Pickle Chips; Bottled Cross Cut Dill Pickles; and Bottled Extra Sweet Pickle Relish.
Claims use since Feb. 2, 1922.

Ser. No. 576,872. Milk Products, Inc., Philadelphia, Pa. Filed Apr. 9, 1949.

MelkeasT

For Swine and Poultry Feeds Containing Concentrated Brewers' Yeast, Condensed Buttermilk, Condensed Whey, and Wheat Germ Oil.
Claims use since Oct. 15, 1948.

Ser. No. 578,608. Maryland Baking Company, Inc., Baltimore, Md. Filed May 11, 1949. (Sec. 2f.)

Flavor-ized Flare TOPS

Applicant claims ownership of Registration No. 425,094.
For Ice Cream Cones.
Claims use since Oct. 1, 1935.

Ser. No. 584,166. Strohmeyer & Arpe Company, New York, N. Y. Filed Aug. 27, 1949.

RE UMBERTO

Applicant claims ownership of Registrations Nos. 76,702, 232,985, and 67,727.
For Olives.
Claims use since 1904.

Ser. No. 584,478. Can-Rite Food Products Company, Modesto, Calif. Filed Sept. 6, 1949.

TOMATO SUPREME

The word "Tomato" is disclaimed.
For Canned Tomato Product Consisting of Peeled Tomatoes, Chopped Celery, Onions, Pepper, Salt, and Spices.
Claims use since 1942.

Ser. No. 585,481. Judy-Lee Sales Co., Kansas City, Mo. Filed Aug. 15, 1949.

DARI - DELITE

The word "Dari" is disclaimed.
For Frozen Milk Mixture in the Nature of Ice Cream.
Claims use since Aug. 1, 1949.

Ser. No. 587,511. Tomic Taters, Harlingen, Tex. Filed Nov. 8, 1949.

TOMIC TATERS

The word "Taters" is disclaimed.
For French Fried Potatoes.
Claims use since Jan. 18, 1949.

Ser. No. 589,240. Armour and Company, Chicago, Ill. Filed Dec. 13, 1949.

CLOVERBLOOM "99"

For Oleomargarine.
Claims use since Nov. 19, 1949.

Ser. No. 589,305. Chetwin S. Cooke, Haddonfield, N. J. Filed Dec. 14, 1949.

GRID-EASE

For Pancake and Waffle Batter.
Claims use since Oct. 29, 1949.

Ser. No. 591,572. Hesmer, Inc., Evansville, Ind. Filed Jan. 27, 1950. (Sec. 2f.)

Hesmer's

For Potato Chips, Cheese Flavored Salted Popcorn, Fresh Fried Popcorn, Cheese Flavored Salted Corn Meal Mush, Fancy Sweet Pickles, Kosher Dill Pickle Slices, Pork Barbecue, Horse-Radish Mustard, Horse-Radish, Peanut Butter, Mayonnaise, French Dressing, Prepared Mustard, Salad Dressing, Raspberry Jelly, and Caramel Flavored Popcorn.
Claims use since 1905.

Ser. No. 591,829. The Atlantic Packing Co., Baltimore, Md. Filed Feb. 2, 1950.

MAJESTIC BRAND

The representation of the oyster shell and the word "Brand" are disclaimed. Applicant claims ownership of Registration No. 85,725.
For Fresh Oysters.
Claims use since July 10, 1911.

Ser. No. 592,823. Marshall's, Omaha, Nebr. Filed Feb. 21, 1950.

Steakburger

The word "Steakburger" is disclaimed.
For Sandwiches.
Claims use since Mar. 2, 1947.

Ser. No. 594,136. Mondial Company, Inc., New York, N. Y. Filed Mar. 17, 1950.

Ramona

For Canned Fish.
Claims use since January 1946.

Ser. No. 597,332. H. S. Fromme & Co., Inc., New York, N. Y. Filed May 12, 1950.

TARA

For Tea.
Claims use since July 15, 1949.

Ser. No. 600,065. James Mills Orchards Company, Hamilton City, Calif. Filed June 30, 1950.

MT. SHASTA

Applicant claims ownership of Registration No. 200,529.
For Fresh Fruits, Dried Deciduous Fruits, Frozen Cooked Deciduous Fruits, Hydrated Deciduous Fruit; and Olives.
Claims use since April 1924.

Ser. No. 600,972. The Rath Packing Company, Waterloo, Iowa. Filed July 20, 1950.

CEDAR VALLEY

Applicant claims ownership of Registrations Nos. 93,495 and 222,216.

For Dressed Young Chickens, Dressed Fowl, and Dressed Young Tom Turkeys.

Claims use since Oct. 1, 1949, as to the mark shown; and since Nov. 1, 1892, as to the words "Cedar Valley."

Ser. No. 602,343. Snowfleece, Inc., Chicago, Ill. Filed Aug. 17, 1950.

SNOW FLEECE

For Homogenized Shortening Composed of Animal and Vegetable Fats.

Claims use since Apr. 17, 1947.

Ser. No. 602,596. Campbell Holton & Co., Bloomington, Ill. Filed Aug. 23, 1950.

FARM BUREAU

For Canned Fruits and Vegetables and Canned Pork and Beans.

Claims use since Jan. 15, 1950.

Ser. No. 603,658. Butler County Mushroom Farm, Inc., West Winfield, Pa. Filed Sept. 13, 1950.

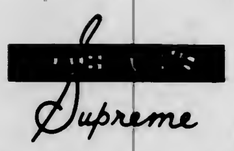


The drawing is lined for blue and yellow and the central portion indicates a window which is covered with a transparent film, said portion being disclaimed.

For Fresh Mushrooms.

Claims use since Oct. 19, 1929.

Ser. No. 604,065. L. A. Black, Rice Miller, De Witt, Ark. Filed Sept. 27, 1950. (Sec. 2f.)



The drawing is lined for the colors red and green.

For Rice.

Claims use since Jan. 29, 1936.

Ser. No. 604,116. Enrique A. Rincon, doing business under the firm name and style of E. A. Rincon & Co., Fresno, Calif. Filed Sept. 19, 1950.



The English translation of "La Serranita" is "The Mountain Girl." The picture is fanciful and does not indicate any known person.

For Wheat Flour.

Claims use since Nov. 10, 1949.

Ser. No. 604,228. The Rath Packing Company, Waterloo, Iowa. Filed Sept. 29, 1950. (Sec. 2f.)

Rath

Applicant claims ownership of Registration No. 189,645.

For Ham, Pork Shoulder Picnic, Pork Shoulder Butt, Bacon, Canadian Style Bacon, Dried Beef, Smoked Beef Tongue, Lamb, Pork Sausages, Frankfurters, Liver Sausage, Bologna Sausage, Tongue and Blood Sausage, Salami Sausage, Luncheon Meats, Cheese and Meat Loaves, Chili Con Carne, and Lard.

Claims use since July 1, 1939, as to "Rath"; and since July 1, 1894, as to "Rath's."

Ser. No. 604,409. Corporacion Argentina de Productores de Carnes, New York, N. Y. Filed Aug. 12, 1950.

CAPAC

Applicant claims ownership of Registrations Nos. 337,018 and 347,655.

For Canned Corned Beef, Canned Corned Beef Hash, Canned Roast Beef, Canned Brisket Beef, and Canned Tongues.

Claims use since Aug. 1, 1950.

Ser. No. 604,410. Corporacion Argentina de Productore de Carnes, New York, N. Y. Filed Aug. 12, 1950.

PACAP

Applicant claims ownership of Registrations Nos. 337,018 and 347,655.

For Canned Corned Beef, Canned Corned Beef Hash, Canned Roast Beef, Canned Brisket Beef, and Canned Tongues.

Claims use since Aug. 1, 1950.

Ser. No. 604,703. Pacific Gamble Robinson Company, doing business as Pacific Fruit & Produce Co., Seattle, Wash. Filed Oct. 10, 1950.



The representation of the potato is disclaimed.

For Fresh Potatoes.

Claims use since May 10, 1950.

Ser. No. 607,169. E-Z Bake Products Company, Pittsburgh, Pa., now by change of name Town Square Foods, Inc. Filed Dec. 1, 1950.

Town Square

For Frozen Strawberry Shortcake.

Claims use since June 4, 1950.

Ser. No. 609,487. Lohmann Foods Corp., Gorham, N. Y. Filed Feb. 1, 1951. (Sec. 2f.)

LOHMANN'S

For Bottled and Canned Red Cabbage and Sweet Pickled Beets.

Claims use since Oct. 4, 1935.

Ser. No. 609,647. Griggs, Cooper & Company, St. Paul, Minn. Filed Feb. 5, 1951.

Primrose

For Fruit Preserves, Jellies, Marmalade; Mince Meat; Peanut Butter; Apple Butter; Bottled, Canned and Preserved Olives; and Honey.

Claims use since Jan. 15, 1951.

Ser. No. 610,020. Parrott & Co., San Francisco, Calif. Filed Feb. 13, 1951.

CORAL

For Canned Fish and Canned Shellfish.

Claims use since June 10, 1910.

Ser. No. 610,154. White House Milk Company, Inc., New York, N. Y. Filed Feb. 15, 1951.

WHITE HOUSE

For Canned Evaporated Milk.

Claims use since Apr. 3, 1905.

Ser. No. 610,242. Wass Food Products Co., Chicago, Ill. Filed Feb. 17, 1951. (Sec. 2f.)

WASS

For Salad Dressing, Mayonnaise Dressing, Pancake Mix, Waffle Mix, Barbecue Sauce, Soup Bases, and Salad and Cooking Oil of Vegetable Origin.

Claims use since Feb. 15, 1946.

Ser. No. 610,816. Albers Milling Company, Los Angeles, Calif., and Portland, Oreg. Filed Mar. 5, 1951.

CROWD

For Feed for Livestock.

Claims use since Jan. 10, 1951.

Ser. No. 610,956. Dairyland Food Laboratories, Inc., Waukesha, Wis. Filed Mar. 7, 1951.

CAPALASE

For Liquid Lipolytic and Proteolytic Enzyme Compositions for Developing Flavor and Modifying the Body of Cheese.

Claims use since Feb. 12, 1951.

Ser. No. 611,560. Charbonneau Packing Corporation, Selah, Wash. Filed Mar. 20, 1951.

TREETOP

Applicant claims ownership of Registration No. 521,813.

For Apple Juice.

Claims use since February 1947.

Ser. No. 611,631. G. E. Barbour Company Limited, St. John, New Brunswick, Canada. Filed Mar. 22, 1951.



Applicant claims ownership of Canadian Registrations Nos. 145/37,098, and N. S. 145/37,099, both dated June 16, 1950, and U. S. Registration No. 85,898, dated Mar. 26, 1912, renewed.

For Tea and Coffee.

Ser. No. 612,117. Bordo Products Company, Chicago, Ill. Filed Apr. 2, 1951.

Florida Club

The word "Florida" is disclaimed. Applicant claims ownership of Registration No. 321,683.

For Canned Citrus Food Products for Food Purposes—Namely, Grapefruit and Orange Segments, Grapefruit, Orange, and Tangerine Juices and Blended Juices.

Claims use since Mar. 1, 1933.

Ser. No. 612,118. Bordo Products Company, Chicago, Ill. Filed Apr. 2, 1951. (Sec. 2f.)

HIALEAH

For Canned Citrus Food Products for Food Purposes—Namely, Grapefruit and Orange Broken Segments, and Grapefruit and Tomato Juices.

Claims use since Feb. 24, 1936.

Ser. No. 612,119. Bordo Products Company, Chicago, Ill. Filed Apr. 2, 1951.

Texas Club

The word "Texas" is disclaimed. Applicant claims ownership of Registration No. 354,600.

For Canned Citrus Food Products for Food Purposes—Namely, Grapefruit, Orange, and Blended Juices.

Claims use since Aug. 20, 1937.

Ser. No. 612,367. David R. Diminno, doing business as Old Roman Products Co., Canton, Ohio. Filed Apr. 7, 1951.



The words "Old Roman" are disclaimed.
For Grated Cheese.
Claims use since Jan. 29, 1951.

Ser. No. 612,534. E. E. Edmundson, Jr., Rayne, La. Filed Apr. 12, 1951.

EL SABIO

The Spanish words "El Sabio" mean, in English, "Sage" or "Wise Person."
For Rice.
Claims use since July 7, 1948.

Ser. No. 612,599. Eastern Banana Corp., New York, N. Y. Filed Apr. 13, 1951.

PANAMARVEL

For Fresh Frozen Fish and Fresh Frozen Shrimp.
Claims use since Apr. 2, 1951.

Ser. No. 615,587. Voigt Milling Company, Grand Rapids, Mich. Filed June 22, 1951.

Crescent

Applicant claims ownership of Registration No. 83,375.
For Enriched Wheat Flour, Wholewheat Flour, Cake Flour, Graham Flour, Rye Flour, Buckwheat Flour, Pancake Flour, Wholewheat Pancake Flour, Selfrising Buckwheat Pancake Flour, Golden Corn Meal and White Corn Meal.
Claims use since July 1915 as to the mark shown; and since August 1883 as to the mark "Crescent" in a different form.

Ser. No. 616,252. Steinwender, Stoffregen & Co., New York, N. Y. Filed July 9, 1951.

CARMENCITA

For Green Coffee.
Claims use since 1916.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 605,609. Red Top Brewing Company, Cincinnati, Ohio. Filed Oct. 30, 1950.

20 GRAND

For Ale.
Claims use since Apr. 16, 1937.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 588,687. Marjorie J. Hagstrom, doing business as Gift Maker Company, Kansas City, Mo. Filed Dec. 2, 1949.

GIFT-MAKER

For Handicraft Kits—Namely, Textile Painting Kits Containing Cut Stencils, Stencil Paper, Paint, Thinner, Cleaner, Brush, and Instructions.
Claims use since Oct. 24, 1949.

Ser. No. 604,426. Ensign-Shaw Company, Inc., New Canaan, Conn. Filed Oct. 4, 1950.

Festive

For Display Devices Simulating a Decorated Christmas Tree.
Claims use since June 1950.

Ser. No. 608,545. The Hopp Press, Inc., New York, N. Y. Filed Jan. 9, 1951.

hp

For Plastic and Metal Identification Tags, Markers, and/or Holders for Same.
Claims use since Nov. 15, 1950.

Ser. No. 613,124. The Felters Company, Boston, Mass. Filed Apr. 25, 1951.

KEYSTONE

Applicant claims ownership of Registration No. 100,112.
For Felts.
Claims use since October 1912.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 581,236. Elizabeth Arden Sales Corporation, New York, N. Y. Filed June 29, 1949. (Sec. 2f.)

ARDEN

Applicant claims ownership of Registration No. 413,630.
For Rouge and Eyeshadow.
Claims use since Jan. 2, 1921.

Ser. No. 595,683. Sales Affiliates, Inc., New York, N. Y. Filed Apr. 13, 1950.

STRIPP

For Color and Dye Remover for Use on Human Hair.
Claims use since Dec. 15, 1937.

Ser. No. 601,556. On Your Toes, Inc., New York, N. Y., assignor to Randolph-Tenney, Inc., Chicago, Ill., a corporation of Illinois. Filed Aug. 1, 1950.

On Your Toes

For Foot Lotion.
Claims use since July 20, 1950.

Ser. No. 602,077. Marie-Francoise Masclet, known in business under the name Francesca Masclet, Paris, France. Filed Aug. 5, 1950.

SUPER FACE MODELAGE
FRANCESCA MASCLET

The words "Super Face" are disclaimed. Applicant claims ownership of French Registration No. 396,258, dated Aug. 19, 1949, and United States Registration No. 514,964.
For Perfume and Cosmetics—Namely, Face Powder, Face Rouge, Lipstick, Cold Creams, Mascara, Nail Polish, Hand Cream, Face Lotion, Hair Lotion, Tooth Paste, and Tooth Powder.

Ser. No. 605,475. Firmenich Incorporated, New York, N. Y. Filed Oct. 27, 1950.

EXALTONE

Applicant claims ownership of Registration No. 236,145.
For Artificial and Synthetic Perfumery Compositions, Natural and Synthetic Essential Oils and Aromatic Chemicals From Natural or Other Sources Used as a Base or an Ingredient in Perfumery for Cosmetics and Toilet Preparations.
Claims use since Feb. 4, 1928.

Ser. No. 605,647. Maryla de Wilkowska, doing business as Countess Maryla, New York, N. Y. Filed Oct. 31, 1950.

FOR PEACE

For Eau de Cologne, Men's Cologne, Cleansing Cream, Dry Skin Cream, Oily Skin Cream, Facial Tissue Builder Pack, Skin Powder, Lipstick, Skin Astringent, and Skin Emulsion.
Claims use since Oct. 4, 1950.

Ser. No. 605,861. Thomas S. Laser, doing business as Laser Laboratories, Minneapolis, Minn. Filed Nov. 3, 1950.

Natcol

For Liquid Preparation for Restoring Gray or Faded Hair to Its Natural Color.
Claims use since Oct. 19, 1950.

Ser. No. 605,937. Elsie G. Ferris, doing business as Gwendolyn Desveaux, Alpena, Mich. Filed Sept. 26, 1950.



The name "Gwendolyn Desveaux" is fictitious and the figure design is fanciful.
For Perfume and Cologne.
Claims use since Aug. 2, 1950.

Ser. No. 607,256. Lehn & Fink Products Corporation, Bloomfield, N. J. Filed Dec. 4, 1950.

Dorothy Gray

The trade-mark is not intended to identify any particular individual. Applicant claims ownership of Registrations Nos. 200,419, 283,555, and others.
For Perfumes, Eau de Cologne, Toilet Water, Solidified Cologne, Spray Deodorant, Face Powder, Compact Powder, Dusting Powder, Talcum Powder, Lipsticks, Rouge, Finishing Lotion, Toilet Creams, Cleansing Creams and Lotions, Cold Cream, Cream Powder Base, Liquid Powder Base, Sunburn Cream, Tanning Oil, Suntan Lotion, Whitening Cream, Suppling Cream, Special Skin Creams, Facial Masque Preparations, Hygienic Lotion, Hormone Lotion, Hand Cream and Lotions, Throat Cream, Deodorant Cream, Sensitive Skin Cream, Hormone Cream, Depilatories, Astringents, Oils and Lotions for the Skin, Hygienic Paste, Cleansing Grains (a Toilet Preparation in Granulated Form Used as a Cleansing Mechanical Stimulant), Mascara, Eye Shadow, Eyebrow Pencils, Eye Emollient Cream, Bath Essences, Bath Salts, Bubbling Bath Oil, Baby Oil, Baby Powder, Baby Anti-Chafing Ointment, Baby Softening Skin Cream, Nail Cream, Nail Polish, Liquid Nail Polish Remover, Nail Polish Fixative, Vanity Cases Containing Powder and/or Rouge and/or Lipsticks, Rouge Refills and Lipstick Refills for Vanities, Lipsticks, and Compacts.
Claims use since 1916.

Ser. No. 607,910. Loretta Weber, doing business as Vola Laboratories, Philadelphia, Pa. Filed Dec. 20, 1950.

Vola

For Hair Oil and Hair Combing and Conditioning Liquid.
Claims use since February 1946.

Ser. No. 608,523. Treasure Masters Corporation, Minneapolis, Minn. Filed Jan. 8, 1951.



For Perfumed Sachets.
Claims use since June 1, 1950.

Ser. No. 609,723. Germaine Monteil Parfums Co., New York, N. Y. Filed Feb. 7, 1951.

NOUVEL AMOUR

For Cologne, Toilet Water, Perfume, Face Powder, and Lipstick.
Claims use since Jan. 22, 1951.

Ser. No. 611,245. A. J. Siris Products Corp., New York, N. Y. Filed Mar. 13, 1951.

Diana Marsh

The name shown in the drawing is fanciful.
For Face Powder, Lipstick, Lip Pencil, Nail Polish, and Abrasive Cloth for Removal of Hair.
Claims use since February 1949.

Ser. No. 612,905. Germaine Monteil Cosmetiques Corporation, New York, N. Y. Filed Apr. 20, 1951.

FLUITONE

For Liquid Make-Up Base.
Claims use since Apr. 6, 1951.

Ser. No. 613,020. Parfumerie de Raymond, New York, N. Y. Filed Apr. 23, 1951. (Sec. 2f.)

de Raymond

Applicant claims ownership of Registration No. 233,140.
For Perfume, Toilet Water, and Talcum Powder.
Claims use since June 1, 1925.

Ser. No. 614,033. Anatole Robbins, Inc., Los Angeles, Calif. Filed May 18, 1951.

WANDERLUST

For Cologne.
Claims use since Apr. 9, 1951.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 573,650. H. D. Dunaway & Company, Atlanta, Ga. Filed Feb. 10, 1949.

SO-E-Z

For Preparation for Use in Dry Cleaning of Garments for Removing Spots and Stains.
Claims use since 1944.

Ser. No. 588,080. The Chemical Testing Institute of America, Inc., Long Island City, N. Y., now by change of name Chemical Testing Corporation, a corporation of New York. Filed Nov. 19, 1949. (Sec. 2f.)

DISOLVSOOT

For Chemical To Remove Excess Soot From Furnaces, Boiler Tubes, and Chimneys.
Claims use since June 1941.

Ser. No. 600,116. Botany Mills, Inc., Passaic, N. J. Filed July 1, 1950.



The words "Mills, Inc." and "Passaic, N. J." are disclaimed. Applicant claims ownership of Registrations Nos. 339,982, 390,324, and 390,858.
For Soap.
Claims use since May 17, 1950.

Ser. No. 601,347. Cynthia Andrews, Inc., New York, N. Y. Filed July 28, 1950.

Sing

For Shampoo.
Claims use since July 6, 1950.

Ser. No. 601,473. Chester Whitfield Smith, doing business under the name of Whitfield Chemical Company, Detroit, Mich. Filed July 29, 1950.

CAR-A-SOL

For Cleaning Solution Comprising an Emulsifiable Blend of Solvents Capable of Penetrating and Dissolving Resin Gums Which Are Present in Internal Combustion Engines, Soft Carbon, and Paints for Removal of Such Carbonaceous Residues and Oils, the Article To Be Cleaned Being Immersed in the Cleaning Solution for a Period Ranging From a Few Minutes to Several Hours.
Claims use since July 11, 1949.

Ser. No. 601,980. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Aug. 9, 1950.

IROPHORE

For Natural or Synthetic Aromatic Chemicals and Essential Oils Used as Ingredients for Detergents and Soaps.
Claims use since Mar. 1, 1950.

Ser. No. 611,342. Conrad F. Clothier, doing business under the trade name and style of C. F. Clothier & Co., Baltimore, Md. Filed Mar. 15, 1951.

JIG-TIME

For Comb Cleaning Preparation.
Claims use since Mar. 6, 1951.

Ser. No. 614,604. Lightfoot Schultz Company, New York, N. Y. Filed June 6, 1951.

TRANSOL

For Sulphonated Liquid Hand Cleaner.
Claims use since Mar. 10, 1930.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 608,590. Walter G. Chapman, Louisville, Ky. Filed Jan. 10, 1951.



For the Serving of Foods and Beverages in Restaurants.
Claims use since Mar. 1, 1948.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 585,624. American Bank Note Company, New York, N. Y. Filed Oct. 1, 1949. (Sec. 2f as to "American" and the dates "1795—1879.")



The words "Bank Note Company" as disclaimed.
For Services in the Graphic Arts—Namely, Engraving and Intaglio Printing, Lithographing, Embossing, and Printing With Raised Type and Plates, and Making Designs—Viz., Illustrations, Ornaments, and Special Lettering for Such Work.
Claims use since 1879.

Ser. No. 605,142. Boulevard Employment Service, Inc., Chicago, Ill. Filed Oct. 19, 1950.



The words "Employment Research Institute" are disclaimed.
For Employment Agency Services.
Claims use since January 1950.

Ser. No. 611,078. Disney Color-Ad Inc., Chicago, Ill. Filed Mar. 9, 1951.



The abreviation "Inc" is disclaimed.
For Advertising Services—Namely, the Creation, Production, and Distribution of Advertising Copy, Printing, Photography, Art Work, Layouts, Counter Cards, and Public Relations Material.
Claims use since June 1, 1950.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 612,393. John Hancock Mutual Life Insurance Company, Boston, Mass. Filed Apr. 9, 1951.

John Hancock

The service mark consists of a substantial facsimile of the signature of John Hancock, patriot of the American Revolution, as said signature appears on the Declaration of Independence.
For Underwriting of Life and Endowment Insurance, Annuity and Pure Endowment Insurance and Group Accident and Health Insurance.
Claims use since December 1905 as to the mark shown; and since 1862 as to different forms.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 577,673. Byron Jackson Co., Los Angeles, Calif. Filed Apr. 25, 1949.

Strata-Jet

The term "Strata" is disclaimed.
For Oil Field Services—Namely, Penetration of Subterranean Strata for the Purpose of Increasing the Permeability Thereof.
Claims use since Aug. 1, 1948.

Ser. No. 588,120. Winston Bros. Company, Minneapolis, Minn. Filed Nov. 19, 1949. (Sec. 2f as to "Winston.")

WINSTON

For Construction Services and Construction Engineering in the Construction, for Example, of Dams, Locks, Bridges, Aqueducts, Reservoirs, Tunnels, Railroads, Highways, Jetties, Power Plants, Pipelines, Irrigation Canals, and Siphons, Docks, Industrial Buildings, Ships, Military Buildings, Aircraft Hangars, Airfields, and in Mine Stripping.

Claims use since Sept. 1, 1948, as to the mark shown; and since 1875 as to the surname "Winston."

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 609,884. Henry W. Scramlin, trading and doing business under the name of Terminal Van Lines, St. Petersburg, Fla. Filed Feb. 9, 1951.

TERMINAL VAN LINES

The words "Van Lines" are disclaimed.

For Motor Van Transportation of Merchandise and Other Articles and Materials.

Claims use since Aug. 1, 1935.

Ser. No. 611,268. General American Transportation Corporation, Chicago, Ill. Filed Mar. 14, 1951.

GAEX-DF

Applicant claims ownership of Registrations Nos. 132,948 and 136,006, both renewed.

For Leasing Freight Cars.

Claims use since Feb. 23, 1951.

Ser. No. 612,743. Intermountain Transportation Company, Anaconda, Mont. Filed Apr. 17, 1951.



All wording shown on the drawing is disclaimed.

For Bus Transportation Services.

Claims use since June 15, 1923.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 539,647. Edward H. Butler, individually and as trustee under the last will and testament of Edward H. Butler, deceased, conducting business under the name and style of Buffalo Evening News, Buffalo, N. Y., assignor to Buffalo Evening News, Inc., Buffalo, N. Y., a corporation of New York. Filed Oct. 31, 1947.



The drawing is lined for color but the lining is for shading purposes only and no claim is made to color as part of the mark.

For Entertainment Service in the Nature of Story Telling Rendered Through the Medium of Radio.

Claims use since Sept. 9, 1930.

Ser. No. 607,141. Radio-Television Training School, Inc., also doing business as California Academy of Screen Process, Los Angeles, Calif. Filed Nov. 30, 1950.



No claim is made to the representation of the equipment used in applicant's process apart from the mark as shown on the drawing.

For Teaching Screen Process Printing by Correspondence.

Claims use since Apr. 5, 1949.

Ser. No. 608,498. Robert W. Ehle, Syracuse, N. Y. Filed Jan. 8, 1951.

The Bunk House

For Entertainment Through the Medium of Television Programs Consisting of Vocal and Musical Presentations by Applicant, Sound Motion Pictures, and Miscellaneous Comments and Announcements.

Claims use since Jan. 30, 1950.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,641. Rotary Plows. Harry J. Seaman, doing business as Seaman Motors, Milwaukee, Wis., assignor to Seaman Motors, Inc., Milwaukee, Wis., a corporation of Wisconsin.
Filed June 15, 1946, Serial No. 503,999. Published Sept. 25, 1951. Class 23

444,642. One-Way Rotary Clutch. The Gear Grinding Machine Company, Hamtramck, Mich., assignor to Formsprag Company, Van Dyke, Mich., a corporation of Michigan.
Filed Oct. 7, 1946, Serial No. 510,384. Published Oct. 9, 1951. Class 23.

444,643. Thermoplastic Expansion Joint Composition, Etc. Lamb Rubber Corporation, Glendale, Calif.
Filed Apr. 8, 1947, Serial No. 520,340. Published May 16, 1950. Class 12.

444,644. Drawing Papers, Bristol Boards, Detail Drawing Papers, Tracing Cloths, Etc. Keuffel & Esser Company, Hoboken, N. J.
Filed July 3, 1947, Serial No. 525,879. Published Aug. 28, 1951. Class 37.

444,645. Partially Printed Time Books. Western Tablet & Stationery Corporation, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,095. Published Sept. 18, 1951. Class 37.

444,646. Paper Tablets, Papeteries—i. e., Stationery Comprising Envelopes and/or Paper Either Flat or Folded Put Up in Boxes, Portfolios, or Banded Packages, and Correspondence and Mailing Envelopes. Western Tablet & Stationery Corporation, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,125. Published Sept. 4, 1951. Class 37.

ACT OF 1946, PRINCIPAL REGISTER

553,302. Animal Foods—Namely, Hog Feed, Dairy Feed, Rabbit Feed, and Horse Feed. Tioga Mills, Inc., Waverly, N. Y.
Filed Sept. 17, 1947, Serial No. 534,838. Published Oct. 23, 1951. Class 46.

553,303. Lawn Mowers. Cooper Manufacturing Company, Marshalltown, Iowa.
Filed Sept. 18, 1947, Serial No. 534,878. Published Oct. 9, 1951. Class 23.

553,304. Flat Glass. Blue Ridge Glass Corporation, Kingsport, Tenn.
Filed Sept. 19, 1947, Serial No. 534,987. Published Oct. 9, 1951. Class 33.

553,305. Candles and Ice Cream. Dutch Mill Candy Co., Chicago, Ill.
Original filed, act of 1905, Aug. 28, 1946; amended to application under act of 1946, Principal Register, Oct. 23, 1950, Serial No. 508,148. Published Oct. 23, 1951. Class 46.

553,306. Rag Content Writing Paper and Letterheads. Lee Paper Company, Vicksburg, Mich.
Original filed, act of 1905, Dec. 3, 1946; amended to application under act of 1946, Principal Register, Apr. 21, 1948, Serial No. 515,119. Published Sept. 11, 1951. Class 37.

553,307. Truck Bodies and Structural Parts Thereof. Boyertown Auto Body Works, Inc., Boyertown, Pa.
Original filed, act of 1905, Jan. 18, 1947; amended to application under act of 1946, Principal Register, Nov. 19, 1948, Serial No. 515,974. Published Feb. 28, 1950. Class 19.

553,308. Bread. Grocers Baking Company, Inc., Louisville, Ky.
Original filed, act of 1905, Mar. 18, 1947; amended to application under act of 1946, Principal Register, Oct. 30, 1947, Serial No. 519,191. Published Oct. 23, 1951. Class 46.

553,309. Mailing Envelopes. Tension Envelope Corporation, Kansas City, Mo.
Original filed, act of 1905, Mar. 31, 1947; amended to application under act of 1946, Principal Register, Sept. 9, 1950, Serial No. 519,908. Published Oct. 2, 1951. Class 37.

553,310. Cucumber Pickles. J. J. Gielow & Sons, Incorporated, Detroit, Mich.
Original filed, act of 1905, June 2, 1947; amended to application under act of 1946, Principal Register, Nov. 25, 1947, Serial No. 523,380. Published Sept. 18, 1951. Class 46.

553,311. Fresh Melons. Imperial Garden Growers, El Centro, Calif.
Original filed, act of 1905, June 6, 1947; amended to application under act of 1946, Principal Register, Nov. 18, 1950, Serial No. 523,673. Published Sept. 11, 1951. Class 46.

553,312. Papeteries—i. e., Stationery Comprising Envelopes and/or Paper Either Flat or Folded Put Up in Boxes, Portfolios, or Banded Packages. Western Tablet & Stationery Corporation, Dayton, Ohio.
Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 18, 1948, Serial No. 526,070. Published Sept. 4, 1951. Class 37.

553,313. Papeteries—i. e., Stationery Comprising Envelopes and/or Writing Paper Either Flat or Folded Put Up in Boxes, Portfolios, or Banded Packages. Western Tablet & Stationery Corporation, Dayton, Ohio.
Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 20, 1948, Serial No. 526,144. Published Sept. 4, 1951. Class 37.

553,314. Paper Tablets. Western Tablet & Stationery Corporation, Dayton, Ohio.
Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, July 5, 1951, Serial No. 526,145. Published Oct. 23, 1951. Class 37.

553,315. Paper Tablets and Loose Paper for Drawing or Other Art Purposes, Put Up in Wrapped Packages, Boxes or Banded. Western Tablet & Stationery Corporation, Dayton, Ohio.
Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Nov. 10, 1948, Serial No. 526,156. Published Oct. 2, 1951. Class 37.

553,316. Toilet Tissue. Comfort Paper Corporation, San Francisco, Calif., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada.
Filed July 5, 1947, Serial No. 527,236. Published Oct 2, 1951. Class 37.

553,317. Envelope Paper. The Champion Paper and Fibre Company, Hamilton, Ohio.
Filed July 5, 1947, Serial No. 527,303. Published Oct. 2, 1951. Class 37.

553,318. Writing, Typewriter, and Printing Paper. Valley Paper Company, Holyoke, Mass.
Filed July 5, 1947, Serial No. 527,989. Published Apr. 27, 1948. Class 37.

553,319. Hams and Bacon. Armour and Company, doing business under the trade style Fowler Packing Company, Chicago, Ill.
Filed July 29, 1947, Serial No. 529,860. Published Oct. 16, 1951. Class 46.

553,320. Canned Fruits and Vegetables. Walla Walla Canning Company, Walla Walla, Wash.
Filed Aug. 5, 1947, Serial No. 530,603. Published Aug. 28, 1951. Class 46.

553,321. Canned Soups and Soup Bases, Vegetable Seasoning, Etc. Fearn Laboratories, Inc., Franklin Park, Ill., now by change of name Fearn Foods Inc.
Filed Aug. 13, 1947, Serial No. 531,203. Published Sept. 11, 1951. Class 46.

553,322. Bags for Storing, Wrapping, and Keeping Shoes and Made in Whole or in Part of Knit and Brushed Fabric and Combinations Thereof. Treinis Brothers, Inc., Brooklyn, N. Y.
Filed Aug. 21, 1947, Serial No. 532,070. Published Oct. 30, 1951. Class 2.

553,323. Butter, Fresh Eggs, Cheese, and Dressed Poultry. Armour and Company, doing business under the trade style Armour Creameries, Chicago, Ill.
Filed Aug. 23, 1947, Serial No. 532,195. Published Nov. 8, 1949. Class 46.

553,324. Rice. Edmundson-Duhe Rice Mill Company, Inc., Rayne, La.
Filed Sept. 24, 1947, Serial No. 535,509. Published Sept. 25, 1951. Class 46.

553,325. Canned Vegetables and Canned Fish. Seeman Brothers, Inc., New York, N. Y.
Filed Sept. 30, 1947, Serial No. 536,297. Published Aug. 28, 1951. Class 46.

553,326. Canned Peas. General Grocer Company, St. Louis, Mo.
Filed Oct. 18, 1947, Serial No. 538,267. Published Apr. 26, 1949. Class 46.

553,327. Canned Peas. General Grocer Company, St. Louis, Mo.
Filed Oct. 18, 1947, Serial No. 538,269. Published Apr. 26, 1949. Class 46.

553,328. Products in Sheet and in Strip Form Converted From Paper and From Films Analogous to Paper Such as Those of Regenerated Cellulose and of Synthetic Plastic, Etc. Nashua Gummed and Coated Paper Company, Nashua, N. H.
Filed Oct. 24, 1947, Serial No. 538,946. Published Aug. 28, 1951. Class 37.

553,329. Fresh Citrus Fruits. Ivanhoe Mutual Orange Association, Ivanhoe, Calif.
Filed Nov. 3, 1947, Serial No. 539,957. Published Sept. 11, 1951. Class 46.

553,330. Extracts for Flavoring Food; Food Gelatins; Etc. Fletcher-Eichman & Company, Inc., Chicago, Ill.
Filed Nov. 5, 1947, Serial No. 540,183. Published Oct. 30, 1951. Class 46.

553,331. Candy. Meadowbrook Candy Company, Moline, Ill.
Filed Nov. 6, 1947, Serial No. 540,301. Published Nov. 7, 1950. Class 46.

553,332. Writing Paper, Type-Writing Paper, Wrapping Paper, Paper for Poster and Label Work, Book-Paper, Cover Paper, Bristol Board, Lithograph-Paper, and Ledger-Paper. Butler Paper Corporations, Chicago, Ill.
Filed Nov. 8, 1947, Serial No. 540,517. Published Oct. 16, 1951. Class 37.

553,333. Paper Napkins, Paper Towels, and Toilet Tissue. Crown Zellerbach Corporation, doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif.
Filed Nov. 22, 1947, Serial No. 542,006. Published Oct. 9, 1951. Class 37.

553,334. Lard. Armour and Company, Chicago, Ill.
Filed Dec. 5, 1947, Serial No. 543,396. Published Sept. 25, 1951. Class 46.

553,335. Bond Paper. The McBee Company, Athens, Ohio.
Filed Dec. 6, 1947, Serial No. 543,624. Published Oct. 23, 1951. Class 37.

553,336. Bond Paper. The McBee Company, Athens, Ohio.
Filed Dec. 6, 1947, Serial No. 543,626. Published Oct. 23, 1951. Class 37.

553,337. Electric Trucks for Lifting, Transporting, and Stacking Purposes. Crescent Truck Company, Lebanon, Pa.
Filed Dec. 15, 1947, Serial No. 544,328. Published Oct. 23, 1951. Class 23.

553,338. Animal Feeds of Various Kinds, Etc. Hespenheide and Thompson, Inc., York, Pa.
Filed Dec. 15, 1947, Serial No. 544,346. Published July 11, 1950. Class 46.

553,339. Men's Shirts With Collars Attached. New Era Shirt Company, St. Louis, Mo.
Filed Dec. 15, 1947, Serial No. 544,372. Published Oct. 23, 1951. Class 39.

553,340. Fresh Citrus Fruits. Crafton Orange Growers Association, Mentone, Calif.
Filed Dec. 20, 1947, Serial No. 544,981. Published Oct. 23, 1951. Class 46.

553,341. Cat Food. Dallas B. Lewis, doing business as Ross Food Co., Los Angeles, Calif., assignor to Lewis Food Co., Los Angeles, Calif., a corporation of California.
Filed Dec. 22, 1947, Serial No. 545,135. Published Oct. 9, 1951. Class 46.

553,342. Salami. Swift & Company, Chicago, Ill.
Filed Jan. 5, 1948, Serial No. 546,249. Published Sept. 18, 1951. Class 46.

553,343. Butter and Luncheon Meat. Hygrade Food Products Corporation, New York, N. Y.
Filed Jan. 6, 1948, Serial No. 546,305. Published Oct. 16, 1951. Class 46.

553,344. Cottonseed Oil, Corn Oil, and Peanut Oil Either Canned or Bottled and Used for Edible Purposes. J. Ossola Co., Inc., also known as J. Ossola Co., New York, N. Y.
Filed Jan. 9, 1948, Serial No. 546,601. Published Oct. 16, 1951. Class 46.

553,345. Fresh Grapefruit and Fresh Grapes. Mecca Growers Association, Mecca, Calif.
Filed Jan. 19, 1948, Serial No. 547,469. Published Oct. 23, 1951. Class 46.

553,346. Candy. E. J. Brach & Sons, Chicago, Ill.
Filed Jan. 24, 1948, Serial No. 547,890. Published Sept. 11, 1951. Class 46.

553,347. Fresh Apples. Fine Foods, Inc., Seattle, Wash.
Filed Jan. 26, 1948, Serial No. 547,985. Published Aug. 14, 1951. Class 46.

553,348. Dried Figs. California Fig Growers & Packers, Inc., also doing business as Rancho de los Padres, Fresno, Calif.
Filed Jan. 27, 1948, Serial No. 548,047. Published Oct. 23, 1951. Class 46.

553,349. Fresh Vegetables. Zellwin Farms Company, Zellwood, Fla.
Filed Feb. 12, 1948, Serial No. 549,600. Published Oct. 9, 1951. Class 46.

553,350. Hamburger Sandwiches. Hamburg Heaven, Inc., New York, N. Y.
Filed Feb. 17, 1948, Serial No. 549,926. Published Oct. 23, 1951. Class 46.

553,351. Waxed Paper Rolls and Sheets. United Paper Company, Tampa, Fla.
Filed Feb. 17, 1948, Serial No. 549,993. Published Sept. 11, 1951. Class 37.

553,352. Wheat Flour. The Colorado Milling & Elevator Co., Denver, Colo., doing business as The Lamar Flour Mills, Lamar, Colo.
Filed Mar. 5, 1948, Serial No. 551,237. Published June 5, 1951. Class 46.

553,353. Synthetic Detergents in Powder and Liquid Forms for Cleansing Milking Equipment and Dairy Utensils, Leather Preservatives—Namely, Harness Oil and Neat's-Foot Oil. Sears, Roebuck and Co., Chicago, Ill.
Filed Mar. 6, 1948, Serial No. 551,407. Published Oct. 23, 1951. Class 52.

553,354. Outboard Motors. National Pressure Cooker Company, Eau Claire, Wis.
Filed Mar. 23, 1948, Serial No. 552,795. Published Oct. 16, 1951. Class 23.

553,355. Library Stationery—Namely, Cards for Library Use Such as Application Cards, Borrowers' Cards, Date Cards, Identification Cards, List Cards, Overdue Notice Cards, and Reserve Cards; Library Date Slips; Library Book Pockets; Guides for Library Catalogs; Guides for Library Trays, Such as Charging Trays; and Partially Printed Library Forms. Gaylord Bros., Inc., Syracuse, N. Y.
Filed Mar. 30, 1948, Serial No. 553,358. Published Oct. 2, 1951. Class 37.

553,356. Gummed Paper in Sheet Form. Dennison Manufacturing Company, Framingham, Mass.
Filed Mar. 31, 1948, Serial No. 553,475. Published Nov. 14, 1950. Class 37.

553,357. Coffee. William S. Scull Company, Camden, N. J.
Filed Apr. 6, 1948, Serial No. 553,989. Published Aug. 14, 1951. Class 46.

553,358. Sporting Garments—Namely, Children's Baseball, Football, and Warmup Jackets. Berkeley Sportwear Co., Inc., New York, N. Y.
Filed Apr. 7, 1948, Serial No. 554,005. Published Oct. 23, 1951. Class 39.

553,359. Electrical Boxes—Namely, Switch, Outlet, Ceiling, Cable, Conduit, Utility, Junction, Cutout, Pull, and Receptacle; and Conduit for Electrical Systems. All-Steel Equipment Inc., Aurora, Ill.
Filed Apr. 9, 1948, Serial No. 554,193. Published Oct. 9, 1951. Class 21.

553,360. Canned Edible Olive Oil. Benny Di Carlo, also doing business under the name and style of Di Carlo Importing Co., Brooklyn, N. Y.
Filed Apr. 15, 1948, Serial No. 554,653. Published Sept. 11, 1951. Class 46.

553,361. Fresh Citrus Fruits. Orange Cove Citrus Association, Orange Cove, Calif.
Filed Apr. 19, 1948, Serial No. 555,006. Published Oct. 23, 1951. Class 46.

553,362. Heat Insulated Canvas and Plastic Bags, and Canvas Bags. Canvas Specialty Company, New York, N. Y.
Filed May 21, 1948, Serial No. 557,499. Published Oct. 30, 1951. Class 2.

553,363. Writing Paper, Index Bristol, and Book Papers. West Virginia Pulp and Paper Company, New York, N. Y.
Filed Feb. 14, 1948, Serial No. 559,393. Published Oct. 9, 1951. Class 37.

553,364. Envelope-Making and Gumming Machinery. Manfredonia Machine Company, Long Island City, N. Y.
Filed July 2, 1948, Serial No. 560,633. Published Oct. 2, 1951. Class 23.

553,365. Bristol Board Paper. Blake, Moffitt & Towne, San Francisco, Calif.
Filed July 30, 1948, Serial No. 562,528. Published Oct. 9, 1951. Class 37.

553,366. Fresh Produce—Namely, Tomatoes, Radishes, and Celery, and Unshelled Nuts. Robert A. Giovinazzi, doing business under the name of Jeanne Doll Produce, Vineland, N. J., assignor to C. A. Giovinazzi & Sons, Vineland, N. J., a partnership.
Filed Aug. 2, 1948, Serial No. 562,637. Published Oct. 30, 1951. Class 46.

553,367. Cereals for Human Consumption—Namely, Oatmeal, Corn Meal, Pearl Barley, Hominy Grits, Instant Tapioca and Pancake and Waffle Flour Mixes, Etc. Albers Milling Company, Oakland, Calif., Portland, Oreg., Seattle, Wash., and Los Angeles, Calif.
Filed Aug. 6, 1948, Serial No. 562,896. Published Oct. 9, 1951. Class 46.

553,368. All Shapes and Types of Glass Stemware and Tumblers, for Goblets, Sherbets, Drinking Tumblers, and Wine, Liquor, and Whisky Glasses. Bryce Brothers Company, Mount Pleasant, Pa.
Filed Sept. 3, 1948, Serial No. 564,605. Published Oct. 9, 1951. Class 33.

553,369. Dusting Tissue. Straubel Paper Co., Green Bay, Wis.
Filed Sept. 3, 1948, Serial No. 564,664. Published Sept. 25, 1951. Class 37.

553,370. Non-Bituminous Compositions for Use as Caulking Compound, Glazing Compound, and Bowl Setting Compound. Charles J. Landen, doing business as Landen Putty Works, Malden, Mass., assignor to Landen Putty Works, Inc., Malden, Mass., a corporation of Massachusetts.
Filed Sept. 9, 1948, Serial No. 564,881. Published Aug. 1, 1950. Class 12.

553,371. Can Openers. Vaughan Mfg. Co., Chicago, Ill., by change of name from Vaughan Novelty Mfg. Co.
Filed Oct. 2, 1948, Serial No. 566,370. Published Oct. 16, 1951. Class 23.

553,372. Ice Cream and Cake. Donald H. Williamson, doing business as Icy-Ike Co., Galesburg, Ill.
Filed Oct. 14, 1948, Serial No. 567,013. Published Sept. 18, 1951. Class 46.

553,373. Penicillin Products Administered Orally in the Treatment of Disease or Infectious Processes. Schenley Laboratories, Inc., New York, N. Y.
Filed Oct. 15, 1948, Serial No. 567,046. Published Feb. 14, 1950. Class 18.

553,374. Penicillin Products Administered Orally in the Treatment of Disease or Infectious Processes. Schenley Laboratories, Inc., New York, N. Y.
Filed Oct. 15, 1948, Serial No. 567,047. Published Feb. 14, 1950. Class 18.

553,375. Pork and Beef Products—Namely, Bacon, Smoked Cooked Ham, Pure Pork Sausage, Cooked Ham, Chopped Ham and Pork Shoulder Loaf, Pork Shoulder Picnic, Lard, and Ground Beef. Stadler Packing Co., Inc., Columbus, Ind.
Filed Oct. 18, 1948, Serial No. 567,155. Published Oct. 23, 1951. Class 46.

553,376. Strip Folding Tool for Use in Making Braid. Roger C. Griswold, doing business as Braid-Aid Company, Kingston, Mass.
Filed Oct. 19, 1948, Serial No. 567,195. Published Oct. 2, 1951. Class 23.

553,377. Ladies' and Misses' Dresses and Suits. Korell Company, New York and Mechanicville, N. Y.
Filed Oct. 23, 1948, Serial No. 567,521. Published Oct. 23, 1951. Class 39.

553,378. Maltless Non-Alcoholic Beverages Used as Soft Drinks and Bases, Etc. Mission Dry Corporation, Los Angeles, Calif.
Filed Nov. 1, 1948, Serial No. 567,995. Published Oct. 16, 1951. Class 45.

553,379. Paints (Black and White for Tires); Combination Automobile Cleaner and Polish; and Automobile Cleaner and Wax for Protective Coating. The Pure Oil Company, Chicago, Ill.
Filed Nov. 5, 1948, Serial No. 568,277. Published Oct. 23, 1951. Class 4.

553,380. Men's Suits, Topcoats, Overcoats, Stormcoats, Sportcoats, Slacks, and Full Dress Suits. Carr, Dolan & Hahn, Inc., Minneapolis, Minn.
Filed Nov. 12, 1948, Serial No. 568,577. Published Oct. 23, 1951. Class 39.

553,381. Traction Engines, Internal-Combustion Engines, and Structural Parts Thereof. Societe Anonyme André Citroën, Paris, France.
Filed Nov. 18, 1948, Serial No. 569,017. Published Oct. 2, 1951. Class 23.

553,382. Sensitized Photographic Paper. Peerless Photo Products, Inc., Shoreham, N. Y.
Filed Nov. 24, 1948, Serial No. 569,393. Published Oct. 16, 1951. Class 26.

553,383. Canned Tomatoes. Fernando Canning Company, Inc., San Fernando, Calif.
Filed Nov. 26, 1948, Serial No. 569,443. Published Sept. 11, 1951. Class 46.

553,384. Wrapping Paper. Stocker Manufacturing Company, Netcong, N. J.
Filed Dec. 3, 1948, Serial No. 569,902. Published Oct. 9, 1951. Class 37.

553,385. Candy; Fresh Deciduous Fruits; Dried and Canned Fruits, Etc. B. Altman & Co., New York, N. Y.
Filed Dec. 8, 1948, Serial No. 570,183. Published Oct. 23, 1951. Class 46.

553,386. Texas Citrus Fruit—Namely, Fresh Pink Grapefruit, Fresh Ruby-Red Blush Grapefruit, Fresh White Grapefruit, Fresh Oranges, and Canned Orange and Grapefruit Juices for Food Purposes. Pink Lady Corporation, Edinburg, Tex.
Filed Dec. 21, 1948, Serial No. 570,908. Published Oct. 23, 1951. Class 46.

553,387. Telephone Switchboards. Kellogg Switchboard and Supply Company, Chicago, Ill.
Filed Dec. 24, 1948, Serial No. 571,085. Published Feb. 6, 1951. Class 21.

553,388. Root Beer and Its Concentrate. Pre-Carb Root Beer Co. of America, Altadena, Calif.
Filed Jan. 14, 1949, Serial No. 572,202. Published Oct. 9, 1951. Class 45.

553,389. Egg Baskets, Chick and Poultry Boxes. The National Ideal Company, Toledo, Ohio.
Filed Jan. 21, 1949, Serial No. 572,512. Published Oct. 30, 1951. Class 2.

553,390. Safety Paper Such as Is Used for Checks, Drafts, and All Vouchers of Value. Gurney Security Paper Company, Inc., Brooklyn, N. Y.
Filed Jan. 24, 1949, Serial No. 572,655. Published Sept. 4, 1951. Class 37.

553,391. Hand Operated Presses for Cementing Soles to Shoes Which Have a Water-Filled Bed Having Rigid Sides and a Flexible Shoe Supporting Top Against Which the Shoe Sole Is Pressed. Penn-Standard Sole Cementing Process, Inc., Philadelphia, Pa.
Filed Feb. 10, 1949, Serial No. 573,676. Published Oct. 16, 1951. Class 23.

553,392. Printed, Engraved and Blank Correspondence Paper and Stationery—Namely, Letter Heads, Cards, Envelopes and Blank Sheets, Etc. Milprint, Inc., Milwaukee, Wis.
Filed Feb. 11, 1949, Serial No. 573,729. Published Sept. 11, 1951. Class 37.

553,393. Staple Extractors. Speed Products Company, Inc., Long Island City, N. Y.
Filed Feb. 12, 1949, Serial No. 573,800. Published Oct. 2, 1951. Class 23.

553,394. Corrugating Board. Sonoco Products Company, Hartsville, S. C.
Filed Mar. 2, 1949, Serial No. 574,793. Published Sept. 4, 1951. Class 37.

553,395. Underarm Deodorant and Non-Perspirant for Personal Use. Merlin A. Hartlett, doing business as M. Hartlett Co., Woodstock, Ill.; Doris Hartlett executrix of said Merlin A. Hartlett, deceased.
Filed Mar. 9, 1949, Serial No. 575,142. Published Nov. 28, 1950. Class 51.

553,396. Varnish. Stewart Paint Manufacturing Company, Minneapolis, Minn.
Filed Mar. 19, 1949, Serial No. 575,726. Published Oct. 23, 1951. Class 16.

553,397. Non-Sensitized Paper Coated With Fluorescent Material Which Is Luminescent When Exposed to Sunlight or Other Light Containing Actinic Radiations, Etc. Radiant Color Company, Oakland, Calif.
Filed Mar. 26, 1949, Serial No. 576,137. Published Sept. 4, 1951. Class 37.

553,398. Electric Motors, Portable and Fixed Electrically Driven Industrial Mixers of the Propeller Blade Type, and Electrically Driven Agitators for Moving Liquids and Semi-Liquids and for Use in Mixing, Bottle Filling and Filtering, and Parts of Such Apparatus. Alsop Engineering Corporation, Milldale, Conn.
Filed Apr. 8, 1949, Serial No. 576,787. Published Oct. 9, 1951. Class 21.

553,399. Glove Shampoo. The Martin Dennis Company, Newark, N. J., assignor by mesne assignments, to John H. Nutting, West Caldwell, N. J.
Filed May 12, 1949, Serial No. 578,678. Published Oct. 23, 1951. Class 52.

553,400. Styrene Base Resin Solution for Use in Paints. Reichhold Chemicals, Inc., Detroit, Mich.
Filed May 13, 1949, Serial No. 578,826. Published Oct. 16, 1951. Class 16.

553,401. Binoculars, Object Glasses, Eye-Pieces, Micrometers, Thread Counters, Etc. Anciens Etablissements Barbier-Bénard & Turenne, Paris, France.
Filed May 17, 1949, Serial No. 578,949. Published Oct. 16, 1951. Class 26.

553,402. Bags Made of Glassine, Vegetable Parchment, Cellulose Film, or Waxed Paper. Joe Lowe Corporation, New York, N. Y.
Filed May 19, 1949, Serial No. 579,115. Published Oct. 30, 1951. Class 2.

553,403. Accordions. Joe Lowe Corporation, New York, N. Y.
Filed June 7, 1949, Serial No. 580,078. Published Sept. 26, 1950. Class 36.

553,404. Asphalt Emulsion for Use Over Wood, Metal, Brick, Tile, Concrete, Roofs, and Insulating Surfaces. Walter K. P. Baumann & Co., New York, N. Y.
Filed June 15, 1949, Serial No. 580,457. Published Sept. 25, 1951. Class 12.

553,405. Non-Alcoholic Maltless Soft Drinks, and Essences and Extracts Used in Making the Same. N. V. Vereenigde Limonadefabrieken, The Hague, Netherlands.
Filed June 18, 1949, Serial No. 580,737. Published Oct. 16, 1951. Class 45.

553,406. CONSOLIDATED CERTIFICATE. International Business Machines Corporation, New York, N. Y.
Electrical and Electronic Apparatus—Namely, Annunicator Systems, Particularly for the Calling of Hospital Nurses by Patients, Etc. Filed June 25, 1949, Serial No. 581,067. Published Dec. 26, 1950. Class 21.
Calculating Machines, Multiplying Machines, Dividing Machines, Etc. Filed June 25, 1949, Serial No. 581,068. Published Aug. 21, 1951. Class 26.
Clocks, Including Master Clocks, Secondary Clocks, and Program Clocks, Etc. Filed June 25, 1949. Serial No. 581,069. Published Jan. 16, 1951. Class 27.

553,407. Jewelry for Personal Wear Not Including Watches, All Being Made of Precious Metal—Namely, Finger Rings, Etc. Waldron and Company, Inc., Philadelphia, Pa.
Filed June 25, 1949, Serial No. 581,105. Published Oct. 9, 1951. Class 28.

553,408. Watches. Waldron and Company, Inc., Philadelphia, Pa.
Filed June 25, 1949, Serial No. 581,106. Published Oct. 9, 1951. Class 27.

553,409. Tools, and Similar Devices—Namely, Mauls, Hammers, Sledges, Mattocks, Picks, Hoes, Wedges, Bars, Crowbars, Spike Bars, Digging Bars, Tamping Bars, Wrenches, Punches, Chisels, Drift Pins, Fullers Tongs, and Rail Forks. Hubbard and Company, Pittsburgh, Pa.
Filed July 2, 1949, Serial No. 581,480. Published Sept. 25, 1951. Class 23.

553,410. Mailing Envelopes and Paper—Namely, Bond Envelopes, Jute-Kraft Envelopes, Clasp Envelopes, Two-in-One Envelopes, String and Button Envelopes, Bristol Paper and Ledger Paper. The American Envelope Co., West Carrollton, Ohio.
Filed July 7, 1949, Serial No. 581,576. Published Aug. 28, 1951. Class 37.

553,411. Men's and Young Men's Suits and Sport Coats. Sam Finkelstein & Company, Incorporated of Va., Norfolk, Va.
Filed July 8, 1949, Serial No. 581,651. Published July 4, 1950. Class 39.

553,412. Canned Food Products—Namely, Spaghetti and Meat Balls, Spaghetti With Tomato Sauce and Cheese, Steak and Gravy, and Meat Balls in Sauce. Bilt-More Food Products Company, Inc., doing business as Dixie Chef Foods, Atlanta, Ga.
Filed July 11, 1949, Serial No. 581,758. Published Aug. 28, 1951. Class 46.

553,413. Canned Fruits and Vegetables and Canned Tomato Sauce. J. Julian Bartee, San Francisco, Calif.
Filed July 25, 1949, Serial No. 582,464. Published Aug. 28, 1951. Class 46.

553,414. Wax Paper. Waxide Paper Company, Kansas City, Mo.
Filed July 30, 1949, Serial No. 582,757. Published Aug. 28, 1951. Class 37.

553,415. Salt for Animal Consumption. Jefferson Island Salt Company, Louisville, Ky.
Filed Aug. 4, 1949, Serial No. 582,966. Published Oct. 23, 1951. Class 46.

553,416. Corrugated Paper Board. Shelton Manufacturing Co., Inc., Long Island City, N. Y.
Filed Aug. 13, 1949, Serial No. 583,448. Published Oct. 16, 1951. Class 37.

553,417. Book Covers. Saver Company, Washington, D. C.
Filed Aug. 16, 1949, Serial No. 583,554. Published Oct. 16, 1951. Class 37.

553,418. Macaroni. Vimco Macaroni Products Company, Carnegie, Pa.
Filed Aug. 24, 1949, Serial No. 583,965. Published Oct. 9, 1951. Class 46.

553,419. Macaroni. Vimco Macaroni Products Company, Carnegie, Pa.
Filed Aug. 24, 1949, Serial No. 583,966. Published Oct. 9, 1951. Class 46.

553,420. Hard Wheat Bakers' Flour. Sheridan Flouring Mills, Inc., Sheridan, Wyo.
Filed July 8, 1949, Serial No. 584,040. Published Oct. 16, 1951. Class 46.

553,421. Synthetic Organic Chemical Used To Suppress the Growth of Microorganisms. The Dow Chemical Company, Midland, Mich.
Filed Sept. 6, 1949, Serial No. 584,483. Published Mar. 27, 1951. Class 6.

553,422. Detergent and Sterilizing Preparation, Especially for Use in Washing Laundry in Washing Machines. Joseph B. Gillespie, Atlanta, Ga.
Filed Sept. 6, 1949, Serial No. 584,490. Published Oct. 16, 1951. Class 52.

553,423. Hominy. Waples-Platter Company, Fort Worth, Tex.
Filed Sept. 6, 1949, Serial No. 584,516. Published Oct. 3, 1950. Class 46.

553,424. Chocolate Coatings for Ice Cream and the Like. Eskimo Pie Corporation, Bloomfield, N. J.
Filed Sept. 7, 1949, Serial No. 584,532. Published Oct. 9, 1951. Class 46.

553,425. Renewable Fuses. Metropolitan Electric Mfg. Co., Long Island City, N. Y.
Filed Sept. 8, 1949, Serial No. 584,584. Published Sept. 12, 1950. Class 21.

553,426. Coated Fibrous Materials and Resinous Sheet Materials in the Nature of Artificial Leather. Textileather Corporation, Toledo, Ohio.
Filed Sept. 15, 1949, Serial No. 584,881. Published Oct. 9, 1951. Class 50.

553,427. Wheat Flour. Pillsbury Mills, Inc., Minneapolis, Minn.
Filed Sept. 22, 1949, Serial No. 585,185. Published Oct. 23, 1951. Class 46.

553,428. Wrist-Bands for Wrist Watches. Swiss Watch Dial Co., Inc., New York, N. Y.
Filed Sept. 22, 1949, Serial No. 585,196. Published Sept. 25, 1951. Class 28.

553,429. Candies. Garrott Candy Company, St. Paul, Minn.
Filed Sept. 26, 1949, Serial No. 585,319. Published Oct. 23, 1951. Class 46.

553,430. Frozen Frog Legs and Rock Lobster Meat. Atalanta Trading Corp., New York, N. Y.
Filed Sept. 27, 1949, Serial No. 585,361. Published Oct. 23, 1951. Class 46.

553,431. Cleaning Preparation for Automotive and Metal Parts. Bendix Aviation Corporation, Detroit, Mich.
Filed Sept. 27, 1949, Serial No. 585,363. Published Oct. 16, 1951. Class 52.

553,432. Ice Cream. The Ricciardi Co., Inc., New York, N. Y.
Filed Sept. 27, 1949, Serial No. 585,395. Published Sept. 18, 1951. Class 46.

553,433. Detergent Compositions for General Industrial Use and Particularly in the Laundry, Textile and Metal Working Industries. Nopco Chemical Company, Harrison, N. J.
Filed Oct. 1, 1949, Serial No. 585,670. Published Oct. 23, 1951. Class 52.

553,434. Methyl Ester of Tall Oil. Hercules Powder Company, Wilmington, Del.
Filed Oct. 4, 1949, Serial No. 585,749. Published Oct. 16, 1951. Class 6.

553,435. Door Mats and Floor Mats Comprising Links of Natural or Synthetic Rubber. Pawling Rubber Corporation, Pawling, N. Y.
Filed Oct. 6, 1949, Serial No. 585,858. Published Oct. 9, 1951. Class 50.

553,436. Dynamos, Current Generators, Electric Bicycle and Motorcycle Head and Rear Lamps, Lamp Covers, and Lamp Shields. Officine Elettromeccaniche Pugliesi & Co., Ferrara, Italy.
Filed Oct. 11, 1949, Serial No. 586,104. Published Oct. 9, 1951. Class 21.

553,437. Cheese. Verband Nordostschweiz Käserei- und Milchgenossenschaften, Inhaber der "Weichkäserei Uster," Winterthur, Switzerland.
Priority under Sec. 44(d). Swiss Registration No. 130,179, filed Apr. 14, 1949.
Filed Oct. 12, 1949, Serial No. 586,210. Published Oct. 16, 1951. Class 46.

553,438. All Purpose Cleaner for Quickly and Thoroughly Removing Grease and Grime From Aluminum, Marble, Stainless Steel, Rubber Tile, Porcelain Surfaces, Asphalt, Venetian Blinds, Outside and Finished Woodwork, Leatherette, Leather, Oil Cloth, and Kitchenware. Mastercraft Manufacturing & Equipment Company, Chicago, Ill.
Filed Oct. 14, 1949, Serial No. 586,294. Published Oct. 16, 1951. Class 52.

553,439. First Clear Wheat Flour. W. J. Jennison Company, Minneapolis, Minn.
Filed Oct. 17, 1949, Serial No. 586,414. Published Oct. 9, 1951. Class 46.

553,440. Mouthwash. James Ormont, New York, N. Y.
Filed Oct. 31, 1949, Serial No. 586,556. Published Apr. 17, 1951. Class 51.

553,441. Gel Compositions Containing Rust Stain Removers for Use in Cleaning and Removing Rust From Textiles, Porcelain, Enamel. U. S. Detergents Co. Inc., New York, N. Y.
Filed Oct. 22, 1949, Serial No. 586,714. Published Oct. 23, 1951. Class 52.

553,442. Loose-Leaf and Permanent Binders Namely, the Metals and the Complete Binders. Wire-O Corporation, Poughkeepsie, N. Y.
Filed Oct. 25, 1949, Serial No. 586,826. Published Oct. 9, 1951. Class 37.

553,443. Candy. Hollywood Brands, Inc., Centralia, Ill.
Filed Oct. 26, 1949, Serial No. 586,857. Published Sept. 18, 1951. Class 46.

553,444. Milling and Boring Machines; Milling and Boring Machines With Copying Device; Milling and Boring Machines With Vertical Boring Device; Etc. Societe Nouvelle de Construction de Machines Outils et d'Outillages, Paris, France.
Filed Oct. 26, 1949, Serial No. 586,885. Published Oct. 16, 1951. Class 23.

553,445. Sterling Silver Table Ware. The International Silver Company, Meriden, Conn.
Filed Nov. 4, 1949, Serial No. 587,334. Published Oct. 9, 1951. Class 28.

553,446. Finely Chopped Beef That Has Been Moulded, Frozen, Sliced and Buttered To Form Beef Patties Which Consist of Thin Layers of Meat Interleaved With Butter. Samuel Brown, doing business under the name and style Bonnee Frozen Products Co., University City, Mo.
Filed Nov. 7, 1949, Serial No. 587,423. Published Oct. 30, 1951. Class 46.

553,447. Maltless Soft Drinks and Carbonated Waters, and for Syrups, Extracts, and Flavors Used in Making Soft Drinks. V & M Beverage Company, Wellsburg, W. Va.
Filed Nov. 8, 1949, Serial No. 587,512. Published Sept. 18, 1951. Class 45.

553,448. Beer. The Wooden Shoe Brewing Company, Minster, Ohio.
Filed Nov. 10, 1949, Serial No. 587,665. Published Aug. 28, 1951. Class 48.

553,449. Fresh Milk, Fresh Cream, Fresh Butter, Ice Cream, and Cottage Cheese. Monticello Dairy, Inc., Charlottesville, Va.
Filed Nov. 28, 1949, Serial No. 588,446. Published Oct. 16, 1951. Class 46.

553,450. Non-Alcoholic, Maltless Soft Drinks, and a Juice Beverage Base for Making the Same. Citrus Products Company, Chicago, Ill.
Filed Nov. 29, 1949, Serial No. 588,479. Published Sept. 18, 1951. Class 45.

553,451. Paper Cups. Continental Can Company Inc., New York, N. Y.
Filed Dec. 7, 1949, Serial No. 588,940. Published Oct. 30, 1951. Class 2.

553,452. Candy. Marshall Field & Company, Chicago, Ill.
Filed Dec. 9, 1949, Serial No. 589,100. Published Sept. 18, 1951. Class 46.

553,453. Cattle, Sheep, and Hog Feeds. Farm Feed Company, Rock Rapids, Iowa.
Filed Dec. 12, 1949, Serial No. 589,204. Published Oct. 23, 1951. Class 46.

553,454. Men's, Boys', and Children's Outer Garments Consisting of Coats, Vests, Pants, Trousers, Overcoats, and Topcoats; Also Women's Dresses, Overcoats, Topcoats, and Suits Consisting of Outer Coat, Ensemble Consisting of a Dress or Skirt, Small Outer Jacket, and a Top Coat, Vest and Skirt. Cohen, Goldman & Co. Inc., New York, N. Y., assignor to House of Worsted-Tex, Inc., Philadelphia, Pa., a corporation of Pennsylvania.
Filed Dec. 16, 1949, Serial No. 589,430. Published Oct. 23, 1951. Class 39.

553,455. Power Driven Presses for the Extraction of Liquids From Oil-Bearing and Fat-Bearing Organic Material, and Structural Parts Thereof. The V. D. Anderson Company, Cleveland, Ohio.
Filed Dec. 17, 1949, Serial No. 589,496. Published Sept. 25, 1951. Class 23.

553,456. Ice Cream Cones. Maryland Baking Company, Inc., Baltimore, Md.
Filed Oct. 12, 1949, Serial No. 589,618. Published Oct. 23, 1951. Class 46.

553,457. Paper Board To Be Used in the Manufacture of Boxes and Folding Cartons. Cornell Wood Products Company, Milwaukee, Wis., now by change of name Cornell Paperboard Products Co., a corporation of Wisconsin.
Filed Dec. 23, 1949, Serial No. 589,841. Published Sept. 11, 1951. Class 37.

553,458. Canned Fruits, Canned Vegetables, Canned Fish, Canned Fruit Nectars, Dried Fruits. The East Asiatic Company, Inc., San Francisco, Calif.
Filed Dec. 23, 1949, Serial No. 589,844. Published Sept. 11, 1951. Class 46.

553,459. Olives. American Stores Company, Philadelphia, Pa.
Filed Dec. 29, 1949, Serial No. 590,058. Published Oct. 30, 1951. Class 46.

553,460. All Kinds of Toilet Tissue. White-Washburne Company, Inc., Hinsdale, N. H.
Filed Dec. 29, 1949, Serial No. 590,118. Published Oct. 9, 1951. Class 37.

553,461. Vending Machines. Vend-Rite Manufacturing Company, Chicago, Ill., assignor to Richard J. Tennes, Chicago, Ill.
Filed Dec. 30, 1949, Serial No. 590,199. Published Oct. 9, 1951. Class 23.

553,462. Ham, Bacon, Lard, Fresh Pork, Wieners, Pork Sausage, Etc. Oscar Mayer & Co., Inc., Chicago, Ill.
Filed Jan. 10, 1950, Serial No. 590,607. Published Sept. 11, 1951. Class 46.

553,463. Soapy Liquid Cleaner for Cleaning Floors, Woodwork, Automobiles, Carpets, Rugs, Mirrors, and Cut Glass. Wylie R. Powell, doing business as Fenole Chemical Company, Jacksonville, Fla.
Filed Jan. 16, 1950, Serial No. 590,944. Published Oct. 23, 1951. Class 52.

553,464. Electric Clocks. Galter Products Company, Chicago, Ill.
Filed Jan. 19, 1950, Serial No. 591,080. Published Oct. 9, 1951. Class 27.

553,465. Agricultural Machines and Implements—Namely, Cream Separators and Parts Thereof, and Internal Combustion Engines of All Kinds and for All Uses, and Parts Thereof. "Bernard-Moteurs" S. A., Paris, France.
Filed Jan. 20, 1950, Serial No. 591,141. Published Oct. 9, 1951. Class 23.

553,466. Motors—Namely, Internal Combustion Engines and Parts Thereof of All Kinds and for All Uses. "Bernard-Moteurs" S. A., Paris, France.
Filed Jan. 20, 1950, Serial No. 591,142. Published Oct. 9, 1951. Class 23.

553,467. Bristol Board and Sketching Pads for Drawing Purposes Only. B. K. Elliott Company, Pittsburgh, Pa.
Filed Jan. 26, 1950, Serial No. 591,468. Published Aug. 28, 1951. Class 37.

553,468. Electrical Cable. The American Steel and Wire Company of New Jersey, Cleveland, Ohio.
Filed Jan. 27, 1950, Serial No. 591,542. Published Oct. 16, 1951. Class 21.

553,469. Electrical Cable. The American Steel and Wire Company of New Jersey, Cleveland, Ohio.
Filed Jan. 27, 1950, Serial No. 591,543. Published Oct. 16, 1951. Class 21.

553,470. Electrical Cable. The American Steel and Wire Company of New Jersey, Cleveland, Ohio.
Filed Jan. 27, 1950, Serial No. 591,544. Published Oct. 16, 1951. Class 21.

553,471. Electrical Cable. The American Steel and Wire Company of New Jersey, Cleveland, Ohio.
Filed Jan. 27, 1950, Serial No. 591,545. Published Oct. 16, 1951. Class 21.

553,472. Mineral Water. Walter Carroll M., Barranquilla, Atlantico, Colombia.
Filed Feb. 9, 1950, Serial No. 592,192. Published Oct. 16, 1951. Class 45.

553,473. Envelope, Label, and Gummed Tape Moistener. Better Packages, Incorporated, Shelton, Conn.
Filed Feb. 10, 1950, Serial No. 592,246. Published Sept. 11, 1951. Class 37.

553,474. Hand and Desk Blotters; Desk Pads, Desk Calendars; Pen Holders and Trays; Paper Weights; Book Marks; Etc. Eaton Paper Corporation, Pittsfield, Mass.
Filed Feb. 10, 1950, Serial No. 592,262. Published Oct. 9, 1951. Class 37.

553,475. Electric Clocks. Jefferson Electric Company, Bellwood, Ill.
Filed Feb. 17, 1950, Serial No. 592,636. Published Oct. 9, 1951. Class 27.

553,476. Toilet Soap. R. H. Macy & Co., Inc., New York, N. Y.
Filed Jan. 9, 1950, Serial No. 592,734. Published Oct. 23, 1951. Class 52.

553,477. Children's Overalls, Children's Shirts, Children's Sun Suits, Children's Shorts, and Children's Jackets. Paul S. Rosenthal, doing business as P. S. Rosenthal Co., New York, N. Y.
Filed Feb. 24, 1950, Serial No. 593,016. Published Oct. 23, 1951. Class 39.

553,478. Medicinal Iodine Preparation for Internal Use, the Therapeutic Components of Which Are Phenobarbital and Compounds of Iodine. Henry K. Wampole & Company, Incorporated, Philadelphia, Pa.
Filed Feb. 24, 1950, Serial No. 593,033. Published Sept. 18, 1951. Class 18.

553,479. Files. American Swiss File & Tool Co., Elizabeth, N. J.
Filed Mar. 2, 1950, Serial No. 593,254. Published Oct. 9, 1951. Class 23.

553,480. Radio and Television Antenna. Clifford R. Myre, doing business under the name and style, Paynesville Products Co., Paynesville, Minn.
Filed Mar. 8, 1950, Serial No. 593,606. Published Oct. 23, 1951. Class 21.

553,481. Canned Shrimp and Canned Oysters. Dorgan Packing Corp., Biloxi, Miss.
Filed Mar. 11, 1950, Serial No. 593,788. Published Sept. 4, 1951. Class 46.

553,482. Chemicals and Chemical Products for Use in Treating Water, Steam, or Brine To Prevent Scale Formation and Corrosion of Metal. Polyphase Chemical Service, Inc., New York, N. Y.
Filed Mar. 14, 1950, Serial No. 593,935. Published Oct. 16, 1951. Class 6.

553,483. Simulated Pearls and Simulated Pearl Jewelry for Personal Wear—Namely, Necklaces, Bracelets, Earrings, Clasps, Studs, Scarf Pins, and Finger Rings. Imperial Pearl Syndicate, Inc., Chicago, Ill.
Filed Mar. 24, 1950, Serial No. 594,545. Published Oct. 9, 1951. Class 28.

553,484. Non-Alcoholic Maltless Chocolate Soft Drink. Threemor Sales Co., Brooklyn, N. Y.
Filed Mar. 31, 1950, Serial No. 595,017. Published Aug. 28, 1951. Class 45.

553,485. Doughnut Mix. Choice Foods, Inc., Minneapolis, Minn.
Filed Apr. 3, 1950, Serial No. 595,121. Published Oct. 23, 1951. Class 46.

553,486. Coated and Uncoated Welding Rods. Victor Equipment Company, San Francisco, Calif.
Filed Apr. 3, 1950, Serial No. 595,173. Published Oct. 23, 1951. Class 14.

553,487. Detergent Compositions Having Disinfecting Properties, for Floors, Walls, Furniture, Woodwork, Glassware, Plumbing Fixtures, Kitchen Utensils, Vehicles, Fabrics, China Ware, Machinery, Instruments, and General Cleaning Purposes. Fuld Bros., Inc., Baltimore, Md.
Filed Apr. 5, 1950, Serial No. 595,255. Published Oct. 23, 1951. Class 52.

553,488. Bakery Products—Namely, Bread. Geo. F. Stuhmer & Company, Brooklyn, N. Y.
Filed Apr. 5, 1950, Serial No. 595,289. Published Sept. 4, 1951. Class 46.

553,489. Men's Suits. Merit Clothing Company, Mayfield, Ky.
Filed Apr. 10, 1950, Serial No. 595,507. Published Oct. 23, 1951. Class 39.

553,490. Plastic Film Embossed and Decorated So as To Take the Nature of Imitation Leather or Similar Covering Material. Velveray Corporation, Clifton, N. J.
Filed Apr. 11, 1950, Serial No. 595,572. Published Oct. 9, 1951. Class 50.

553,491. Automatic Power Transmission Mechanisms for Motor Driven Vehicles, and Parts of Said Transmissions. Borg-Warner Corporation, Chicago, Ill.
Filed Apr. 12, 1950, Serial No. 595,590. Published Oct. 16, 1951. Class 23.

553,492. Plastic Fabrics Used as a Substitute for Leather. Rudd Plastic Fabrics Corp., New York, N. Y.
Filed Apr. 13, 1950, Serial No. 595,682. Published Oct. 9, 1951. Class 50.

553,493. Men's, Women's, Boys', and Girls' Trousers, Slacks, Outer Skirts, Jackets, Etc. Cluett, Peabody & Co. Inc., Troy, N. Y.
Filed Apr. 18, 1950, Serial No. 595,870. Published Oct. 23, 1951. Class 39.

553,494. One-Piece Work Garment in the Nature of an Overall. N & W Industries, Inc., Lynchburg, Va.
Filed Apr. 20, 1950, Serial No. 596,043. Published Oct. 9, 1951. Class 39.

553,495. Canned Powdered Whole Milk. Peerless Packers, Inc., New York, N. Y.
Filed Apr. 24, 1950, Serial No. 596,183. Published Aug. 14, 1951. Class 46.

553,496. Windshield Washer Fluid. Commercial Solvents Corporation, New York, N. Y.
Filed Apr. 25, 1950, Serial No. 596,266. Published Oct. 23, 1951. Class 52.

553,497. Liquid Spray Air Purifier. Mann Chemical Laboratories, Inc., doing business as Leo Mann & Company, Boston, Mass.
Filed Apr. 25, 1950, Serial No. 596,286. Published Oct. 16, 1951. Class 6.

553,498. Paper Bath Mats. Winslow L. Taylor, Philadelphia, Pa.
Filed Apr. 25, 1950, Serial No. 596,302. Published Oct. 9, 1951. Class 37.

553,499. Artificial Plastic Flowers. Flowola Plastic Flower Company, Marfa, Tex.
Filed Apr. 26, 1950, Serial No. 596,334. Published Oct. 9, 1951. Class 50.

553,500. Mesh Bags for Vegetables or the Like. Mesh Weaving Mills Co., North Kansas City, Mo.
Filed Apr. 27, 1950, Serial No. 596,431. Published Oct. 30, 1951. Class 2.

553,501. File Guides, Card-Index Guides of Manila and Press-Board Stock, File Folders, and File Cards. Yawman and Erbe Mfg. Co., Rochester, N. Y.
Filed Apr. 27, 1950, Serial No. 596,464. Published Oct. 16, 1951. Class 37.

553,502. Chalkboard Colored Crayons. The American Crayon Company, Sandusky, Ohio.
Filed May 2, 1950, Serial No. 596,702. Published Oct. 2, 1951. Class 37.

553,503. Candy. Mars, Incorporated, Chicago, Ill.
Filed May 2, 1950, Serial No. 596,740. Published Oct. 30, 1951. Class 46.

553,504. Men's and Boys' Jackets. Lakeland Manufacturing Company, Sheboygan, Wis.
Filed May 5, 1950, Serial No. 596,927. Published Oct. 23, 1951. Class 39.

553,505. Water Pumps, Suitable for Vehicles; Lathes; Presses, Mechanical, Electrical and Hydraulic; Boring Machines, Cylindrical and Line; Etc. Lempco Products, Inc., Bedford, Ohio.
Filed May 6, 1950, Serial No. 597,004. Published Oct. 16, 1951. Class 23.

553,506. Water Pumps, Suitable for Vehicles; Lathes; Presses, Mechanical, Electrical and Hydraulic; Boring Machines, Cylindrical and Line; Etc. Lempco Products, Inc., Bedford, Ohio.
Filed May 6, 1950, Serial No. 597,005. Published Oct. 16, 1951. Class 23.

553,507. Fresh Vegetables. A. & R. Lettuce Company, Salinas, Calif.
Filed May 8, 1950, Serial No. 597,051. Published Oct. 30, 1951. Class 46.

553,508. Perfumes and Toilet Waters. Marion Fields, Beverly Hills, Calif.
Filed May 11, 1950, Serial No. 597,258. Published Sept. 11, 1951. Class 51.

553,509. Laminated Metallic Foil and Paper for Containers. Reynolds Metals Company, Richmond, Va.
Filed May 11, 1950, Serial No. 597,294. Published Sept. 11, 1951. Class 37.

553,510. Pencils. Clarence J. Peed, doing business as California Pencil Co., Hollywood, Calif.
Filed May 15, 1950, Serial No. 597,456. Published Oct. 2, 1951. Class 37.

553,511. Home Hair Coloring. Bymart, Inc., Dover, Del., and New York, N. Y., now by change of name Bymart-Tintair, Inc.
Filed May 16, 1950, Serial No. 597,500. Published Sept. 4, 1951. Class 51.

553,512. Solvent Used in Connection With Cold Solder. H. K. Porter, Inc., Somerville, Mass.
Filed May 22, 1950, Serial No. 597,903. Published Oct. 16, 1951. Class 6.

553,513. Fruit in Candy Form. Jon H. Miller, doing business as Brookbound Orchards, Claverack, N. Y.
Filed May 23, 1950, Serial No. 597,968. Published Oct. 16, 1951. Class 46.

553,514. Partially Printed Identification Cards. Robert A. Drake, doing business as Size 'Im Up, Winchester, Mass.
Filed May 25, 1950, Serial No. 598,068. Published Oct. 23, 1951. Class 37.

553,515. Polish for Automobiles, Furniture, Floors, Metals, and Porcelain Surfaces. Silicone Polish Corp., New York, N. Y.
Filed May 26, 1950, Serial No. 598,209. Published Oct. 23, 1951. Class 4.

553,516. Cheese. Veego Foods, Inc., Harrison, N. J.
Filed June 7, 1950, Serial No. 598,767. Published Sept. 25, 1951. Class 46.

553,517. Beer. Horlacher Brewing Company, Allentown, Pa.
Filed June 15, 1950, Serial No. 599,173. Published Oct. 16, 1951. Class 48.

553,518. Grain Disinfectant. H. P. Rossiger & Co. Inc., New York, N. Y.
Filed June 15, 1950, Serial No. 599,192. Published Oct. 16, 1951. Class 6.

553,519. Beer. M. B. Foster & Sons, Limited, London, England.
Filed June 16, 1950, Serial No. 599,234. Published Aug. 28, 1951. Class 48.

553,520. WITHDRAWN.

553,521. WITHDRAWN.

553,522. Tie Holder Made of or Plated With Precious Metal. Swank, Inc., Attleboro, Mass.
Filed June 22, 1950, Serial No. 599,600. Published Oct. 16, 1951. Class 28.

553,523. Non-Alcoholic, Maltless Soft Drinks and Syrups, Concentrates, and Compounds for Making the Same. Orange-Crush Company, Chicago, Ill.
Filed June 29, 1950, Serial No. 599,967. Published Sept. 11, 1951. Class 45.

553,524. Root Beer and Syrups for Making the Same. A. Wolf's Sons, Inc., Boston, Mass.
Filed July 13, 1950, Serial No. 600,638. Published Sept. 4, 1951. Class 45.

553,525. Novelty Ornaments and Decorations, Used for the Manufacture of Artificial Flowers, Jewelry, Nosegays, Christmas Tree Ornaments, Artificial Christmas Trees, Party and Outdoor Decorations; and in the Display Field for Room Decorations in Stores and Homes. Union Novelty Company, Inc., New York, N. Y.
Filed July 15, 1950, Serial No. 600,744. Published Oct. 9, 1951. Class 50.

553,526. Manifold Forms, Manifold Booklets, Invoice or Bill Forms, Invoice or Bill Booklets, Order Forms, and Order Booklets. The Potter Press, Waltham, Mass.
Filed July 24, 1950, Serial No. 601,168. Published Sept. 11, 1951. Class 37.

553,527. Table Water. Great Bear Spring Company, New York, N. Y.
Filed July 25, 1950, Serial No. 601,210. Published Sept. 4, 1951. Class 45.

553,528. Table Water. Great Bear Spring Company, New York, N. Y.
Filed July 25, 1950, Serial No. 601,212. Published Sept. 4, 1951. Class 45.

553,529. Writing Paper. L. L. Brown Paper Company, Adams, Mass.
Filed July 27, 1950, Serial No. 601,302. Published Sept. 11, 1951. Class 37.

553,530. Toilet Paper. Scott Paper Company, Chester, Pa.
Filed July 31, 1950, Serial No. 601,515. Published Sept. 4, 1951. Class 37.

553,531. Washing Machines. Fisher & Ludlow Limited, Birmingham, England.
Filed Aug. 1, 1950, Serial No. 601,541. Published Oct. 23, 1951. Class 24.

553,532. Cheese-Filled Waffle Wafer Sandwiches. Blaney Bakeries Inc., New York, N. Y.
Filed Aug. 2, 1950, Serial No. 601,594. Published Sept. 4, 1951. Class 46.

553,533. Clays. Ferro Enamel Corporation, Cleveland, Ohio, now by change of name Ferro Corporation.
Filed Aug. 18, 1950, Serial No. 602,383. Published Oct. 9, 1951. Class 1.

553,534. Clays. Ferro Enamel Corporation, Cleveland, Ohio, now by change of name Ferro Corporation.
Filed Aug. 18, 1950, Serial No. 602,384. Published Oct. 9, 1951. Class 1.

553,535. Mulling Machines. National Engineering Company, Chicago, Ill.
Filed Aug. 18, 1950, Serial No. 602,416. Published Oct. 9, 1951. Class 23.

553,536. Ladies' and Girls' Blue Jeans. Washington Mfg. Company, Nashville, Tenn.
Filed Aug. 23, 1950, Serial No. 602,655. Published May 22, 1951. Class 39.

553,537. Desk Pads, Typewriter Pads, Phone Book Covers, Salesman's Display Binders. The Chicago Desk Pad Company, Inc., Chicago, Ill.
Filed Aug. 24, 1950, Serial No. 602,673. Published Sept. 25, 1951. Class 37.

553,538. Grass Seed. Mock Seed Company, Pittsburgh, Pa.
Filed Aug. 22, 1950, Serial No. 602,732. Published Oct. 23, 1951. Class 1.

553,539. Canned and Dry Packed Dates. Max Skolnick, doing business under the name of Hi-Jolly Date Gardens, Mesa, Ariz.
Filed Aug. 31, 1950, Serial No. 603,027. Published Sept. 11, 1951. Class 46.

553,540. Wall Paper. Gamble-Skogmo, Inc., Minneapolis, Minn.
Filed Sept. 1, 1950, Serial No. 603,057. Published Oct. 9, 1951. Class 37.

553,541. Beer. Esslinger's, Inc., Philadelphia, Pa.
Filed Sept. 5, 1950, Serial No. 603,150. Published Sept. 4, 1951. Class 48.

553,542. Charting and Tracing Clip Boards and Partially Printed Paper Tracing Charts for Use Therewith. The Production and Marketing Corporation, Newtown, Conn.
Filed Sept. 6, 1950, Serial No. 603,205. Published Sept. 11, 1951. Class 37.

553,543. Wrapping Paper and Butchers Paper. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed Sept. 7, 1950, Serial No. 603,237. Published Sept. 11, 1951. Class 37.

553,544. Electrically Driven Sharpener for Grinding Various Types of Cutlery. Leo A. Hoek, Los Angeles, Calif.
Filed Sept. 11, 1950, Serial No. 603,406. Published Oct. 9, 1951. Class 21.

553,545. Surgeons' Gloves Made of Rubber. The Seamless Rubber Company, New Haven, Conn.
Filed Sept. 14, 1950, Serial No. 603,549. Published Oct. 23, 1951. Class 44.

553,546. Smoked Pork Sausage. Cudahy Brothers Co., doing business under the name and style of "Cudahy of Cudahy," Cudahy, Wis.
Filed Sept. 20, 1950, Serial No. 603,770. Published Sept. 11, 1951. Class 46.

553,547. Cheese. Eru-Kaasfabriek N. V., Woerden, Netherlands.
Filed Sept. 28, 1950, Serial No. 604,148. Published Oct. 23, 1951. Class 46.

553,548. Hair Tinting and Coloring Preparations. Clairol Incorporated, Stamford, Conn.
Filed Oct. 4, 1950, Serial No. 604,419. Published Sept. 11, 1951. Class 51.

553,549. Lead Pencils. American Lead Pencil Company, Hoboken, N. J.
Filed Oct. 5, 1950, Serial No. 604,462. Published Sept. 4, 1951. Class 37.

553,550. Natural and Synthetic Essential Oils, Aromatic Chemicals From Natural or Other Sources, Used as a Flavoring Material or an Ingredient in Medicines and Pharmaceutical Preparations. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Sept. 1, 1950, Serial No. 604,556. Published Oct. 23, 1951. Class 18.

553,551. Partially Printed Forms and Envelopes for Income Tax Purposes. Clarence E. Sandvig, doing business as The Cesco Company, Minneapolis, Minn.
Filed Oct. 7, 1950, Serial No. 604,598. Published Sept. 4, 1951. Class 37.

553,552. Partially Printed Foot-Ball Score Cards. Cecil E. Wolfe, Detroit, Mich.
Filed Oct. 11, 1950, Serial No. 604,756. Published Sept. 4, 1951. Class 37.

553,553. Resinous Plastic Materials in the Form of Sheets, Rods, Tubes, and Other Definite Shapes for Further Use in the Industrial Arts. Imperial Chemical Industries Limited, London and Millbank, London, England.
Filed Oct. 12, 1950, Serial No. 604,890. Published Oct. 23, 1951. Class 1.

553,554. Hog Feeders and Hog Watering Fountains. Butler Manufacturing Company, Kansas City, Mo.
Filed Oct. 16, 1950, Serial No. 604,954. Published Oct. 23, 1951. Class 50.

553,555. Electrical Hearing Aids and Parts Thereof. Zenith Radio Corporation, Chicago, Ill.
Filed Oct. 16, 1950, Serial No. 605,002. Published Oct. 9, 1951. Class 44.

553,556. Wrapping Paper. Orchard Paper Co., St. Louis, Mo.
Filed Oct. 17, 1950, Serial No. 605,046. Published Oct. 2, 1951. Class 37.

553,557. Wrapping Paper. Orchard Paper Co., St. Louis, Mo.
Filed Oct. 17, 1950, Serial No. 605,047. Published Oct. 9, 1951. Class 37.

553,558. Food Sauces Intended for Use With Seafood and Meats Consisting of Tomatoes, Sugar, Onions, Vinegar, Salt, Garlic, Corn Oil, Gelatin, Horseradish, Flour, Wine, Butter, Beef Extract, and Spices. Broussard's of New Orleans, Miami Beach, Fla.
Filed Oct. 18, 1950, Serial No. 605,090. Published Oct. 30, 1951. Class 46.

553,559. Pocket Knives. H. Boker & Company, Inc., New York, N. Y.
Filed Oct. 19, 1950, Serial No. 605,140. Published Oct. 9, 1951. Class 23.

553,560. Razors. H. Boker & Company, Inc., New York, N. Y.
Filed Oct. 19, 1950, Serial No. 605,141. Published Oct. 9, 1951. Class 23.

553,561. Pens and Pencils. Klik Enterprises, Inc., New York, N. Y.
Filed Oct. 19, 1950, Serial No. 605,162. Published Oct. 9, 1951. Class 37.

553,562. Pens and Pencils. Klik Enterprises, Inc., New York, N. Y.
Filed Oct. 19, 1950, Serial No. 605,163. Published Oct. 9, 1951. Class 37.

553,563. Wrist-Bands for Wrist Watches. Swiss Watch Dial Co., Inc., New York, N. Y.
Filed Oct. 20, 1950, Serial No. 605,242. Published Sept. 25, 1951. Class 28.

553,564. X-Ray Film Holders. Mark Vlock, doing business under the name of Adapta Film Holder Co., New York, N. Y.
Filed Oct. 20, 1950, Serial No. 605,245. Published Oct. 16, 1951. Class 26.

553,565. Lauryl Sulfate for General Use in the Industrial Art. American Alcolac Corporation, Baltimore, Md.
Filed Oct. 24, 1950, Serial No. 605,343. Published Oct. 16, 1951. Class 6.

553,566. Men's Suits, Top Coats, Sport Coats, Overcoats, Jackets, Sport Jackets, Slacks, Trousers, Outer Shirts, Neckties, and Stockings. Harry Rothman, Inc., New York, N. Y.
Filed Oct. 27, 1950, Serial No. 605,495. Published Oct. 9, 1951. Class 39.

553,567. Men's, Ladies', and Boys' Belts. Regent Belt Co., Inc., New York, N. Y.
Filed Oct. 31, 1950, Serial No. 605,678. Published Oct. 23, 1951. Class 39.

553,568. Fresh Apples. Peshastin Fruit Growers Association, Peshastin, Wash.
Filed Nov. 1, 1950, Serial No. 605,760. Published Aug. 14, 1951. Class 46.

553,569. Non-Alcoholic, Maltless Beverage Used as a Soft Drink and Concentrates and Extracts for Preparing the Same. Tru-Ade, Inc., Chicago, Ill.
Filed Nov. 2, 1950, Serial No. 605,816. Published Sept. 11, 1951. Class 45.

553,570. Dressed Poultry Both Fresh and Frozen. Walter F. Wood, Jr., Holliston, Mass.
Filed Nov. 2, 1950, Serial No. 605,825. Published Oct. 9, 1951. Class 46.

553,571. Fresh Oranges. Independent Growers, Inc., Lindsay, Calif.
Filed Nov. 4, 1950, Serial No. 605,903. Published Sept. 25, 1951. Class 46.

553,572. Fresh Oranges. Independent Growers, Inc., Lindsay, Calif.
Filed Nov. 4, 1950, Serial No. 605,904. Published Sept. 25, 1951. Class 46.

553,573. Rubber Floor, Door, and Bath Mats and Rubber Slabs. The Danbury Rubber Company, Inc., Danbury, Conn.
Filed Nov. 7, 1950, Serial No. 606,002. Published Sept. 25, 1951. Class 50.

553,574. Paper Table Cloths and Napkins. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,132. Published Oct. 2, 1951. Class 37.

553,575. Children's Panties and Bloomers. Royal Crest Mfg. Co., Inc., New York, N. Y.
Filed Nov. 13, 1950, Serial No. 606,328. Published Oct. 23, 1951. Class 39.

553,576. Pocket Check Covers, Commercial Pass Books, Savings Pass Books, Customer Check Covers, and Newport Check Covers. The Todd Company, Inc., Rochester, N. Y.
Filed Nov. 13, 1950, Serial No. 606,343. Published Oct. 2, 1951. Class 37.

553,577. Desk Sets. Eversharp, Inc., Chicago, Ill.
Filed Nov. 16, 1950, Serial No. 606,461. Published Oct. 2, 1951. Class 37.

553,578. Partially Printed Record Forms for Bookkeeping Purposes — Namely, Posting Folders, Journal Sheets, Ledger Sheets, Investment Ledger Sheets, Trial Balance Extension Sheets, and Trial Balance Sheets. William T. Maass, doing business as "Mass-Matic" Record Service, Phoenix, Ariz.
Filed Nov. 18, 1950, Serial No. 606,617. Published Sept. 11, 1951. Class 37.

553,579. Grape Juice, Apple Cider, and Soda Fountain Syrups Used in the Preparation of Soft Drinks. Francis H. Leggett & Company, New York, N. Y.
Filed Nov. 20, 1950, Serial No. 606,668. Published Sept. 25, 1951. Class 45.

553,580. Plastic Material in the Nature of Artificial Leather. The Pantasote Co., Passaic, N. J., and New York, N. Y.
Filed Nov. 20, 1950, Serial No. 606,674. Published Oct. 9, 1951. Class 50.

553,581. Plastic Material in the Nature of Artificial Leather. The Pantasote Co., Passaic, N. J., and New York, N. Y.
Filed Nov. 20, 1950, Serial No. 606,675. Published Oct. 9, 1951. Class 50.

553,582. Insect Repellents. S. Pfeiffer Manufacturing Company, St. Louis, Mo.
Filed Nov. 20, 1950, Serial No. 606,677. Published Oct. 16, 1951. Class 6.

553,583. Vegetable Seed and Field Seeds. Service Seed Co. Ltd., Crystal Springs, Miss.
Filed Nov. 22, 1950, Serial No. 606,812. Published Sept. 25, 1951. Class 1.

553,584. Children's Underwear. Art Infants Wear, Inc., New York, N. Y.
Filed Nov. 28, 1950, Serial No. 606,997. Published Oct. 9, 1951. Class 39.

553,585. Cheese. August C. Kirchhoff & Co., Chicago, Ill.
Filed Nov. 30, 1950, Serial No. 607,130. Published Sept. 11, 1951. Class 46.

553,586. Compound for Preparing Coolant Solution for Wet Grinding or Cutting Operations. Bay State Abrasive Products Company, Westboro, Mass.
Filed Dec. 5, 1950, Serial No. 607,281. Published Oct. 23, 1951. Class 6.

553,587. Sheet Lining Materials—Namely, Sheet Lining Made of Paper for Baking Receptacles. Bestpak Inc., Boston, Mass.
Filed Dec. 7, 1950, Serial No. 607,373. Published Oct. 2, 1951. Class 37.

553,588. Canned Vegetables, Tomato Sauce, Tomato Purée, Lima Beans and Ham, Garbanzo Beans, Beans With Pork, Beans With Chili, and Canned Vegetables for Salad. Masterpiece Foods, Inc., Santa Maria, Calif.
Filed Dec. 8, 1950, Serial No. 607,436. Published Sept. 18, 1951. Class 46.

553,589. Printing Paper, Mimeograph Paper, and Duplicator Paper. W. C. Hamilton & Sons, Miquon, Pa.
Filed Dec. 14, 1950, Serial No. 607,672. Published Sept. 4, 1951. Class 37.

553,590. Antioxidants for Use in the Vulcanization of Rubber. The Goodyear Tire & Rubber Company, Akron, Ohio.
Filed Dec. 16, 1950, Serial No. 607,752. Published Oct. 16, 1951. Class 6.

553,591. Grape Juice. The Welch Grape Juice Company, Westfield, N. Y.
Filed Dec. 16, 1950, Serial No. 607,783. Published Sept. 4, 1951. Class 45.

553,592. Candy. Peoples Drug Stores, Inc., Washington, D. C.
Filed Dec. 18, 1950, Serial No. 607,826. Published Oct. 9, 1951. Class 46.

553,593. Wood Grain Cover Paper, Box Cover Paper, Blotting Paper, Velour Paper, Vellum Paper, and Printing Paper. District of Columbia Paper Mills, Inc., Washington, D. C.
Filed Dec. 19, 1950, Serial No. 607,846. Published Sept. 4, 1951. Class 37.

553,594. Bond Paper, Watermarked or Plain. The Alling & Cory Company, Rochester, N. Y.
Filed Dec. 21, 1950, Serial No. 607,917. Published Oct. 2, 1951. Class 37.

553,595. Medicinal Preparations—Namely, Alum, Antiseptic Solution, Boric Acid, Etc. The Styron-Beggs Company, Newark, Ohio.
Filed Dec. 21, 1950, Serial No. 607,970. Published Sept. 11, 1951. Class 18.

553,596. Electrically Powered Incandescent Spotlights and Parts Therefor. Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y.
Filed Dec. 22, 1950, Serial No. 608,008. Published Oct. 16, 1951. Class 21.

553,597. Lead Pencils. Telu Enterprises, Inc., New York, N. Y.
Filed Dec. 26, 1950, Serial No. 608,092. Published Sept. 4, 1951. Class 37.

553,598. Writing and Typing Paper. Whiting-Plover Paper Company, Stevens Point, Wis.
Filed Dec. 27, 1950, Serial No. 608,136. Published Sept. 4, 1951. Class 37.

553,599. Potatoes in Their Natural State. Folson-Kennelly, St. Thomas, N. Dak.
Filed Dec. 28, 1950, Serial No. 608,152. Published Oct. 23, 1951. Class 46.

553,600. Bracelets (Not Including Watches). Speidel Corporation, Providence, R. I.
Filed Jan. 3, 1951, Serial No. 608,328. Published Sept. 11, 1951. Class 28.

553,601. Cheese. B & B Importers, Dunellen, N. J.
Filed Jan. 5, 1951, Serial No. 608,403. Published Sept. 18, 1951. Class 46.

553,602. Plastic Table Mats. Ellison & Spring, Inc., New York, N. Y.
Filed Jan. 9, 1951, Serial No. 608,537. Published Sept. 25, 1951. Class 50.

553,603. Leather. Richard Young Company, Boston, Mass.
Filed Jan. 9, 1951, Serial No. 608,648. Published Oct. 23, 1951. Class 1.

553,604. Hygienic Vaginal Tampons. Sanitary Products Corporation, Taneytown, Md.
Filed Jan. 11, 1951, Serial No. 608,677. Published Oct. 23, 1951. Class 44.

553,605. Electrical Fans for Circulating Air in Rooms. W. W. Grainger, Inc., Chicago, Ill.
Filed Jan. 13, 1951, Serial No. 608,757. Published Oct. 16, 1951. Class 21.

553,606. Mildew-Proofing Compositions in the Treatment of Textile Fabrics and the Like. Sun Chemical Corporation, Long Island City, N. Y.
Filed Jan. 13, 1951, Serial No. 608,770. Published Oct. 16, 1951. Class 6.

553,607. Canned Fish. Columbia River Packers Association, Inc., Astoria, Oreg.
Filed Jan. 15, 1951, Serial No. 608,786. Published Oct. 9, 1951. Class 46.

553,608. Antibiotic Preparation. Chas. Pfizer & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc., a corporation of Delaware.
Filed Jan. 17, 1951, Serial No. 608,893. Published Sept. 11, 1951. Class 18.

553,609. Wrapping Paper and Butchers Paper. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed Jan. 18, 1951, Serial No. 608,931. Published Sept. 25, 1951. Class 37.

553,610. Embossed Folded Paper Napkins. Hoffmaster Paper Company, Inc., Oshkosh, Wis.
Filed Jan. 18, 1951, Serial No. 608,934. Published Sept. 25, 1951. Class 37.

553,611. Preparation for Weed Control. O. M. Scott & Sons Company, Marysville, Ohio.
Filed Jan. 24, 1951, Serial No. 609,203. Published Oct. 23, 1951. Class 6.

553,612. Agricultural Machine for Applying Liquid Fertilizer Into the Ground. John Blue Company, Huntsville, Ala.
Filed Jan. 25, 1951, Serial No. 609,225. Published Oct. 16, 1951. Class 23.

553,613. Soldering Flux. Lake Chemical Company, Chicago, Ill.
Filed Jan. 25, 1951, Serial No. 609,245. Published Oct. 23, 1951. Class 6.

553,614. Pitch Dispersants. American Cyanamid Company, New York, N. Y.
Filed Jan. 26, 1951, Serial No. 609,271. Published Oct. 23, 1951. Class 6.

553,615. Compositions of Chlorination Derivatives of Fatty Acid Esters. Hooker Electrochemical Company, Niagara Falls, N. Y.
Filed Jan. 27, 1951, Serial No. 609,340. Published Oct. 23, 1951. Class 6.

553,616. Insecticide. Thompson-Hayward Chemical Co., Kansas City, Mo.
Filed Jan. 29, 1951, Serial No. 609,384. Published Oct. 16, 1951. Class 6.

553,617. Ground Quicklime. United States Gypsum Company, Chicago, Ill.
Filed Jan. 31, 1951, Serial No. 609,457. Published Oct. 23, 1951. Class 1.

553,618. Printing Paper. Tileston and Hollingsworth Company, Boston, Mass.
Filed Feb. 1, 1951, Serial No. 609,506. Published Oct. 2, 1951. Class 37.

553,619. Printing Paper. Tileston and Hollingsworth Company, Boston, Mass.
Filed Feb. 1, 1951, Serial No. 609,508. Published Oct. 2, 1951. Class 37.

553,620. Printing Paper. Tileston and Hollingsworth Company, Boston, Mass.
Filed Feb. 1, 1951, Serial No. 609,509. Published Oct. 2, 1951. Class 37.

553,621. Printing Paper. Tileston and Hollingsworth Company, Boston, Mass.
Filed Feb. 1, 1951, Serial No. 609,510. Published Sept. 25, 1951. Class 37.

553,622. Printing Paper. Tileston and Hollingsworth Company, Boston, Mass.
Filed Feb. 1, 1951, Serial No. 609,511. Published Oct. 2, 1951. Class 37.

553,623. Printing and Writing Paper. Tileston and Hollingsworth Company, Boston, Mass.
Filed Feb. 1, 1951, Serial No. 609,512. Published Sept. 25, 1951. Class 37.

553,624. Printing and Writing Paper. Tileston and Hollingsworth Company, Boston, Mass.
Filed Feb. 1, 1951, Serial No. 609,514. Published Oct. 2, 1951. Class 37.

553,625. Printing and Writing Paper. Tileston and Hollingsworth Company, Boston, Mass.
Filed Feb. 1, 1951, Serial No. 609,515. Published Sept. 25, 1951. Class 37.

553,626. Printing and Writing Paper. Tileston and Hollingsworth Company, Boston, Mass.
Filed Feb. 1, 1951, Serial No. 609,517. Published Sept. 25, 1951. Class 37.

553,627. Wallpaper. Asam Wallpapers, Inc., Philadelphia and Reading, Pa.
Filed Feb. 6, 1951, Serial No. 609,672. Published Oct. 23, 1951. Class 37.

553,628. Lubricator Units Comprising, Pumps, Oil Control Valves, Oil Lines, and Connections Therefore. Stewart-Warner Corporation, Chicago, Ill.
Filed Feb. 7, 1951, Serial No. 609,745. Published Oct. 2, 1951. Class 23.

553,629. Canned Shrimp. Atalanta Trading Corporation, New York, N. Y.
Filed Feb. 12, 1951, Serial No. 609,954. Published Oct. 9, 1951. Class 46.

553,630. Canned Luncheon Meat. Derby Foods, Inc., Chicago, Ill.
Filed Feb. 12, 1951, Serial No. 609,967. Published Oct. 23, 1951. Class 46.

553,631. Paper Napkins. The Lehon Company, Chicago, Ill.
Filed Feb. 17, 1951, Serial No. 610,219. Published Oct. 9, 1951. Class 37.

553,632. Feed Concentrate for Dairy Stock, Swine, and Poultry, Composed Mainly of Ground Grains, Vitamin Concentrates, and Minerals. Carnation Company, Los Angeles, Calif.
Filed Feb. 26, 1951, Serial No. 610,508. Published Oct. 30, 1951. Class 46.

553,633. Canned Tuna. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif.
Filed Feb. 27, 1951, Serial No. 610,587. Published Oct. 16, 1951. Class 46.

553,634. Canned Salmon and Packaged Smoked Salmon. Port Chatham Packing Co. Inc., Seattle, Wash.
Filed Mar. 13, 1951, Serial No. 611,239. Published Oct. 30, 1951. Class 46.

553,635. Canned Tomatoes. Fair View Packing Company, Inc., Hollister, Calif.
Filed Mar. 20, 1951, Serial No. 611,568. Published Oct. 30, 1951. Class 46.

553,636. Electrical Condensers. Cornell-Dubilier Electric Corporation, South Plainfield, N. J.
Filed Mar. 23, 1951, Serial No. 611,687. Published Oct. 9, 1951. Class 21.

553,637. Spectacle Frames and Parts Thereof. K. Stenzel & Sons, New York, N. Y.
Filed Apr. 19, 1951, Serial No. 612,875. Published Oct. 16, 1951. Class 26.

553,638. Playing Cards. The United States Playing Card Company, Cincinnati, Ohio.
Filed July 11, 1951, Serial No. 616,349. Published Oct. 23, 1951. Class 22.

Service Marks

553,639. Mounting and Finishing Lithographed Advertising Displays and Laminating or Affixing to a Paper or Textile Base a Plastic Film. Arvey Corporation, Chicago, Ill.
Filed July 24, 1947, Serial No. 529,341. Published Oct. 23, 1951. Class 106.

553,640. Furnishing Trade Information and Promotional Ideas to Its Members; Etc. Toy Manufacturers of the U. S. A., Inc., New York, N. Y.
Filed Dec. 5, 1947, Serial No. 543,543. Published Oct. 23, 1951. Class 100.

553,641. The Processing and Handling of Deposits and Withdrawals in Savings Accounts, and Mortgage Financing. Equitable Savings and Loan Association, Portland, Oreg.
Filed Apr. 19, 1948, Serial No. 554,964. Published Oct. 23, 1951. Class 102.

553,642. Stimulating and Maintaining Interest in Public Affairs, Etc. The United States Junior Chamber of Commerce, St. Louis, Mo., and Tulsa, Okla.
Filed May 19, 1948, Serial No. 557,404. Published Oct. 23, 1951. Class 100.

553,643. Developing Film and Printing of Pictures From the Film. The Elko Photo Products Co., Kansas City, Mo.
Filed June 23, 1948, Serial No. 560,004. Published Oct. 23, 1951. Class 106.

553,644. Baby Diaper Supply and Laundry Service. Baby Laundry, Inc., East Hartford, Conn.
Filed July 7, 1948, Serial No. 560,791. Published Oct. 23, 1951. Class 100.

553,645. Underwriting of Fire, Extended Coverage, Windstorm (Including Hail), Etc. Northwestern Mutual Fire Association, Seattle, Wash.
Filed Mar. 5, 1949, Serial No. 574,974. Published Oct. 23, 1951. Class 102.

553,646. Entertainment Service Rendered by a Vocal and Instrumental Group Through the Medium of Radio Programs, Personal Appearances, and Phonograph Recordings. 101 Ranch Boys, Inc., York, Pa.
Filed Sept. 20, 1949, Serial No. 585,895. Published Oct. 23, 1951. Class 107.

553,647. Advertising the Goods and Services of Others Through the Medium of a Radio Program Which Is in the Nature of a Give-Away Show. Marvin I. Thompson, Knoxville, Tenn.
Filed Feb. 14, 1950, Serial No. 592,448. Published Oct. 23, 1951. Class 101.

553,648. Planning and Personally Conducting Tours by Airplane but Including the Use of Other Vehicles. Resort Airlines, Inc., Pinehurst, N. C.
Filed May 19, 1950, Serial No. 597,784. Published Oct. 23, 1951. Class 105.

553,649. Services Rendered to Automobiles, Trucks and Other Automotive Vehicles at Applicant's Automotive Service Stations, Etc. Phillips Petroleum Company, Bartlesville, Okla.
Filed June 5, 1950, Serial No. 598,598. Published Oct. 23, 1951. Class 103.

553,650. Beauty Shop Services—Namely, Permanent Waving and the Cutting and Setting of Hair. Best & Co. Inc., New York, N. Y.
Filed Sept. 29, 1950, Serial No. 604,186. Published Oct. 23, 1951. Class 100.

553,651. Conducting Escorted Travel Tours. Sita-Adventure Trails Inc., New York, N. Y.
Filed Oct. 3, 1950, Serial No. 604,397. Published Oct. 23, 1951. Class 105.

553,652. Arranging for the Financing of Automobiles Through Banks, and in the Underwriting of Automobile Insurance. Allstate Insurance Company, Chicago, Ill.
Filed Oct. 25, 1950, Serial No. 605,392. Published Oct. 23, 1951. Class 102.

Collective Marks

553,653. Stimulating and Maintaining Interest in Good Scholarship, Civic and Community Activities Among Engineering Students. Tau Beta Pi Association, Knoxville, Tenn.
Filed Mar. 18, 1950, Serial No. 594,236. Published Oct. 23, 1951. Class 100.

553,654. Eye-Glass Frames. Guild of Prescription Opticians of Philadelphia, Philadelphia, Pa.
Filed Apr. 18, 1951, Serial No. 612,802. Published Oct. 16, 1951. Class 26.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

553,655. (Class 46. Foods and Ingredients of Foods.) Polk Packing Association, Winter Haven, Fla. Original filed, act of 1905, Apr. 3, 1947; amended to application under act of 1946, Principal Register, Jan. 22, 1948; amended to Supplemental Register, Aug. 13, 1951, Serial No. 520,120.

Bona Fide

For Canned Citrus Fruit Juices.
Claims use since Oct. 31, 1934.

553,656. (Class 46. Foods and Ingredients of Foods.) Western Dairy Products, Inc., San Francisco, Calif. Original filed, act of 1946, Principal Register, Oct. 4, 1947; amended to application, Supplemental Register, July 9, 1951, Serial No. 536,857.

For Fresh Eggs, Butter and Cheese.
Claims use since May 16, 1947.

553,657. (Class 46. Foods and Ingredients of Foods.) Santa Clara Packing Company, San Jose, Calif. Original filed, act of 1946, Principal Register, Nov. 29, 1947; amended to application, Supplemental Register, Apr. 23, 1951, Serial No. 542,788.

Liberta

Applicant claims ownership of Registration No. 339,685.
For Canned Peaches.
Claims use since Sept. 4, 1935.

553,658. (Class 31. Filters and Refrigerators.) Reynolds-Shaffer Co., Detroit, Mich. Original filed, act of 1946, Principal Register, Apr. 6, 1948; amended to application, Supplemental Register, Nov. 6, 1950, Serial No. 553,979.

Softstream

For Zeolite Type Water Softening Apparatus.
Claims use since June 1, 1947.

553,659. (Class 46. Foods and Ingredients of Foods.) Gumakers of America, Inc., Clifton Heights, Pa. Original filed, act of 1946, Principal Register, Nov. 1, 1948; amended to application, Supplemental Register, Dec. 29, 1950, Serial No. 567,968.

KEEN
BLO-POP

For Chewing Gum.
Claims use since July 15, 1948.

553,660. (Class 6. Chemicals and Chemical Compositions.) Godfrey L. Cabot, Inc., Boston, Mass. Original filed, act of 1946, Principal Register, Mar. 23, 1949; amended to application, Supplemental Register, May 19, 1950, Serial No. 575,885.

PURECARB

For Agglomerates of Carbon Black and Carbon of High Purity for Carburizing Metals, for Conducting Electricity or for Any Use for Which Hard Carbon May Be Used.
Claims use since Jan. 24, 1949.

553,661. (Class 9. Explosives, Firearms, Equipments, and Projectiles.) Firearms International Corporation, Washington, D. C. Original filed, act of 1946, Principal Register, Apr. 15, 1949; amended to application, Supplemental Register, Oct. 13, 1950, Serial No. 577,177.

DUAL · PEEP
SUPERSIGHT

For Gun Sights for Shotguns and Firearms.
Claims use since Mar. 31, 1949.

553,662. Class 21. Electrical Apparatus, Machines, and Supplies.) Aircraft-Marine Products Inc., Harrisburg, Pa. Filed June 4, 1949, Serial No. 579,961.

AMP
SIMPLIFIED WIRING

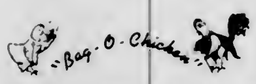
For Electrical Connectors.
Claims use since Sept. 30, 1944.

553,663. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Sidney J. Terry, Chicago, Ill. Original filed, act of 1946, Principal Register, Aug. 8, 1949; amended to application, Supplemental Register, Oct. 26, 1951, Serial No. 583,180.

"VENT LOCK"

For Mechanical Control Comprising a Knob and an Associated Worm and Gear Mechanism Enclosed in a Housing for Windows Having Adjustable Glass Louvres.
Claims use since Apr. 27, 1949.

553,664. (Class 46. Foods and Ingredients of Foods.) Thelma H. Thomas, St. Louis, Mo. Original filed, act of 1946, Principal Register, Oct. 14, 1949; amended to application, Supplemental Register, Dec. 7, 1950, Serial No. 586,329.



The words "Bag-O-Chicken" are disclaimed.
For Fried Chicken.
Claims use since Apr. 15, 1946.

553,665. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Althelmer & Baer, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Dec. 3, 1949; amended to application, Supplemental Register, Apr. 19, 1951, Serial No. 588,729.

EDISON 62

For Portable Sewing Machines.
Claims use since Nov. 15, 1949.

553,666. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Newark Fireproof Sash & Door Co., Newark, N. J. Original filed, act of 1946, Principal Register, Jan. 21, 1950; amended to application, Supplemental Register, Aug. 13, 1951, Serial No. 591,247.

BAKE-ALL

For Pans Fitting Over the Burners of Ranges for Baking, Broiling and Warming Foods.
Claims use since Dec. 1, 1949.

553,667. (Class 46. Foods and Ingredients of Foods.) G. P. Gundlach & Co., Inc., Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Mar. 7, 1950; amended to application, Supplemental Register, Apr. 14, 1951, Serial No. 593,538.



For Fresh Dairy Products, Specifically Milk and By-Products of Milk—Namely, Fluid Cream, Butter, Fluid Buttermilk, Cottage Cheese, Fluid Sour Cream, Chocolate Milk, Ice Cream, Ice Milk, and Prepared Fruits, Syrups, Extracts and Cereal Fillers To Be Added to Milk and Ice Cream.
Claims use since October 1949.

553,668. (Class 46. Foods and Ingredients of Foods.) Golden Block Limited, Letchworth, England. Original filed, act of 1946, Principal Register, June 5, 1950; amended to application, Supplemental Register, Aug. 7, 1951, Serial No. 598,583.

GOLDEN BLOCK

Applicant claims ownership of British Registration No. 654,185, dated Dec. 2, 1946.
For Edible Fats—Namely, Margarine.

553,669. (Class 46. Foods and Ingredients of Foods.) Bayard S. Scotland, Joliet, Ill. Original filed, act of 1946, Principal Register, June 26, 1950; amended to application, Supplemental Register, June 29, 1951, Serial No. 599,786.

NOODELO

For Noodles.
Claims use since Mar. 10, 1950.

553,670. (Class 50. Merchandise Not Otherwise Classified.) Bell Industries, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, July 1, 1950; amended to application, Supplemental Register, Aug. 22, 1951, Serial No. 600,114.

COL-R-PLACS

For Christmas Tree Ornaments.
Claims use since May 1, 1950.

553,671. (Class 21. Electrical Apparatus, Machines, and Supplies.) Ernest Rosenthal, doing business as Lampcrafters, Washington, D. C. Original filed, act of 1946, Principal Register, July 3, 1950; amended to application, Supplemental Register, Oct. 23, 1950, Serial No. 600,192.

Lampcrafters

For Electric Lamps and Shades and Parts Thereof.
Claims use since Jan. 15, 1947.

553,672. (Class 22. Games, Toys, and Sporting Goods.) Arnold D. Friedman, New York, N. Y. Original filed, act of 1946, Principal Register, July 17, 1950; amended to application, Supplemental Register, Nov. 6, 1951, Serial No. 600,771.

HOPPER TOTER

For Receptacles Used in Carrying Grasshoppers To Be Used as Live Bait.
Claims use since June 19, 1950.

553,673. (Class 28. Jewelry and Precious-Metal Ware.) Concord Manufacturing Corporation, Providence, R. I. Original filed, act of 1946, Principal Register, July 22, 1950; amended to application, Supplemental Register, Sept. 6, 1951, Serial No. 601,096.

CONCORD

For Jewelry for Personal Wear, Not Including Watches—Namely, Lockets, Religious Crosses, Pendants, Anklets, Neck Chains, and Jewelry Findings.
Claims use since Jan. 1, 1945.

553,674. (Class 31. Filters and Refrigerators.) King Refrigerator Corporation, Glendale, N. Y. Original filed, act of 1946, Principal Register, Aug. 4, 1950; amended to application, Supplemental Register, June 15, 1951, Serial No. 601,736.

Dean

For Refrigerators—Namely, Ice Refrigerators for Domestic and Commercial Use, Ice Chests, Mechanically Operated Refrigerators for Domestic and Commercial Uses, Including Freezers for the Storage of Frozen Foods for Domestic and Commercial Uses, and Ice Cream Freezers and Freezing Compartments Included in the Mechanically Operated Refrigerators for Domestic and Commercial Use.
Claims use since Dec. 15, 1949.

553,675. (Class 31. Filters and Refrigerators.) King Refrigerator Corporation, Glendale, N. Y. Original filed, act of 1946, Principal Register, Aug. 4, 1950; amended to application, Supplemental Register, June 15, 1951, Serial No. 601,737.

Glendale

For Refrigerators—Namely, Ice Refrigerators for Domestic and Commercial Use, Ice Chests, Mechanically Operated Refrigerators for Domestic and Commercial Uses, Including Freezers for the Storage of Frozen Foods for Domestic and Commercial Uses, and Ice Cream Freezers and Freezing Compartments Included in the Mechanically Operated Refrigerators for Domestic and Commercial Use.
Claims use since Dec. 15, 1949.

553,676. (Class 21. Electrical Apparatus, Machines, and Supplies.) Jubilee Manufacturing Company, Omaha, Nebr. Original filed, act of 1946, Principal Register, Aug. 28, 1950; amended to application, Supplemental Register, Oct. 8, 1951, Serial No. 602,845.

TRUMPETER

For Electric Horns.
Claims use since June 15, 1950.

553,677. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Merrill Manufacturing Company, Des Moines, Iowa. Original filed, act of 1946, Principal Register, Aug. 30, 1950; amended to application, Supplemental Register, Oct. 29, 1951, Serial No. 602,963.

ANY FLOW

For Hydrants.
Claims use since Oct. 1, 1949.

553,678. (Class 6. Chemicals and Chemical Compositions.) Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Original filed, act of 1946, Principal Register, Sept. 1, 1950; amended to application, Supplemental Register, Oct. 5, 1951, Serial No. 603,078.

NEVAROT



For Wood Preservative.
Claims use since July 28, 1950.

553,679. (Class 28. Jewelry and Precious-Metal Ware.) Uncas Manufacturing Company, Providence, R. I. Original filed, act of 1946, Principal Register, Sept. 26, 1950; amended to application, Supplemental Register, Oct. 16, 1951, Serial No. 604,043.

Astoria FASHIONS

For Jewelry for Personal Adornment, Not Including Watches—Namely, Finger Rings, Bracelets, Necklaces, Earrings, Pendants, Brooches, and Lockets.
Claims use since Sept. 2, 1950.

553,680. (Class 6. Chemicals and Chemical Compositions.) Sigma Products Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 25, 1950; amended to application, Supplemental Register, Oct. 24, 1951, Serial No. 605,445.

Foot-Hold

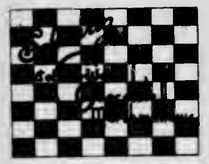
For Preparation To Prevent Slipping in the Bathtub, i. e. for Roughening the Surface of the Bathtub When Bathing.
Claims use since Oct. 17, 1950.

553,681. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Norco of Bridgeport, Inc., Bridgeport, Conn. Original filed, act of 1946, Principal Register, Nov. 13, 1950; amended to application, Supplemental Register, Oct. 18, 1951, Serial No. 606,314.

HANDI-HOOK

For Hanger Hook for Hanging Suits, Handbags, and Similar Articles.
Claims use since Aug. 14, 1950.

553,682. (Class 46. Foods and Ingredients of Foods.) Allen Schwartz, New York, N. Y. Filed Dec. 7, 1950, Serial No. 607,401.



The drawing is lined for the color red. The words "Chocolate Marshmallows" are disclaimed.
For Chocolate Marshmallows.
Claims use since May 20, 1940.

553,683. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Kewaskum Utensil Company, Kewaskum, Wis., now by change of name Regal Ware, Inc., a corporation of Wisconsin. Filed May 14, 1951. Serial No. 613,850.

Easy-Flo

For Coffee Makers.
Claims use since March 1950.

553,684. (Class 46. Foods and Ingredients of Foods.) Freeman Certi-Fresh Foods, Los Angeles, Calif. Filed June 22, 1951, Serial No. 615,543.

CERTI-FRESH

Applicant claims ownership of Registration No. 524,014.
For Frozen Fish and Frozen Vegetables.
Claims use since Mar. 1, 1946.

553,685. (Class 21. Electrical Apparatus, Machines, and Supplies.) Drive-In Theatre Mfg. Co., Kansas City, Mo. Original filed, act of 1946, Principal Register, Mar. 30, 1950; amended to application, Supplemental Register, Aug. 6, 1951, Serial No. 594,897.

STANDEE

For Portable Loud Speakers for Use With Public Address Systems and Outdoor Theaters and the Like.
Claims use since Feb. 10, 1948.

553,686. (Class 29. Brooms, Brushes, and Dusters.) Columbia Products Corporation, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, May 26, 1950; amended to application, Supplemental Register, Mar. 1, 1951, Serial No. 598,160.

SPONGEE

For Powder Puffs.
Claims use since January 1950.

Service Marks

553,687. (Class 100. Miscellaneous.) Charles of the Ritz Operating Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 17, 1948; amended to application, Supplemental Register, Feb. 13, 1950, Serial No. 554,860.

The California Casual

For Hair Cutting and Hair Styling.
Claims use since February 1947.

553,688. (Class 102. Insurance and Financial.) Marion L. Martin, doing business as Marion L. Martin & Company, Houston, Tex. Original filed, act of 1946, Principal Register, June 25, 1948; amended to application, Supplemental Register, Feb. 8, 1951, Serial No. 560,211.

INSURAGENTS

For General Insurance Brokerage.
Claims use since Sept. 1, 1947.

TRADE-MARK REGISTRATIONS RENEWED

82,427. EX. Registered June 27, 1911. Ex-Lax Manufacturing Co., New York, N. Y. Re-renewed June 27, 1951, to Ex-Lax, Inc., Brooklyn, N. Y., a corporation of New York. Liniment. Class 18.

83,793. "UTICA" AND DIAMOND DESIGNS. Registered Oct. 10, 1911. Utica Drop Forge & Tool Company, Whitestown, and Utica, N. Y. Re-renewed Oct. 10, 1951, to Utica Drop Forge & Tool Corporation, Utica, N. Y., a corporation of New York. Nippers, Pliers, Staple-Pullers, and Seal Presses. Class 23.

84,189. "KEMGO" ETC. Registered Nov. 14, 1911. Fred A. Putnam, Boston, Mass. Re-renewed Nov. 14, 1951, to Markem Machine Company, Keene, N. H., a corporation of New Hampshire. Compound for Making a Printed Impression. Class 11.

84,487. VANITY. Registered Dec. 19, 1911. Richard Hudnut, New York, N. Y., a corporation of New York. Re-renewed Dec. 19, 1951. Rouge, Both Liquid and Dry, Cream for the Skin, Cold-Cream, Etc. Class 51.

84,641. FABRIKOID. Registered Dec. 26, 1911. E. I. du Pont de Nemours Powder Company, Hoboken, N. J., and Wilmington, Del. Re-renewed Dec. 26, 1951, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Imitation Leather. Class 50.

85,062. "HONESDALE" ETC. Registered Jan. 30, 1912. Birdsall Brothers Company, Seelyville, and Honesdale, Pa., a corporation of Pennsylvania. Re-renewed Jan. 30, 1952. Work and Negligée Shirts and Trousers. Class 39.

85,092. "DUPLICATOR" AND DESIGN. Registered Jan. 30, 1912. The Eaton Milling & Elevator Co., Eaton, Colo. Re-renewed Jan. 30, 1952, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. Wheat-Flour. Class 46.

85,191. SMOOTH-ON. Registered Jan. 30, 1912. Smooth-On Manufacturing Company, Jersey City, N. J., a corporation of New Jersey. Re-renewed Jan. 30, 1952. Liquid Iron Compound. Class 16.

85,695. SHONE MIST. Registered Mar. 5, 1912. The Twin Falls Milling & Elevator Co., Twin Falls, Idaho. Re-renewed Mar. 5, 1952, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. Wheat-Flour. Class 46.

85,778. IDAHOME. Registered Mar. 12, 1912. The Twin Falls Milling & Elevator Co., Twin Falls, Idaho. Re-renewed Mar. 12, 1952, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. Wheat-Flour. Class 46.

85,836. "CHIMOSA" ETC. AND DRAWING. Registered Mar. 19, 1912. Trippe, Barker & Co. Re-renewed Mar. 19, 1952, to William Lind, doing business as William Lind Co., New York, N. Y. Cotton and Linen Piece Goods. Class 42.

278,382. BUZABEL. Registered Dec. 16, 1930. Edwards and Company, Inc., New York, N. Y. Renewed Dec. 16, 1950, to Edwards Company, Inc., Norwalk, Conn., a corporation of New York. Electrical Goods and Apparatus, Particularly Electrically-Operated Bells and Buzzers. Class 21.

280,119. TREASURE. Registered Feb. 10, 1931. Max Kronstadt, doing business as Bristol Seamless Ring Co. Renewed Feb. 10, 1951, to Bristol Seamless Ring Company, New York, N. Y., a firm. Finger Rings. Class 28.

281,844. RYVIKA. Registered Mar. 31, 1931. The Ryvita Company, Ltd., London, England. Renewed Mar. 31, 1951, to The Ryvita Company, Limited, Poole, England, a corporation of Great Britain. Bread and Biscuits. Class 46.

282,642. MEM. Registered Apr. 28, 1931. M. E. Mayer, Vienna, Austria. Renewed Apr. 28, 1951, to Mem Company, Inc., New York, N. Y., a corporation of New York. Grindstones, Pumice Stones; Polishing Powder for Metal, Glass, Wood, Etc. Class 4.

284,298. ESPIQUET. Registered June 23, 1931. Price Flavoring Extract Company. Renewed June 23, 1951, to Price Extract Company, Chicago, Ill., a corporation of Illinois. Condimental Sauce and Salad Dressing. Class 46.

285,601. CHAD VALLEY. Registered July 28, 1931. The Chad Valley Company Limited, Harborne, England, a corporation organized under the laws of Great Britain. Renewed July 28, 1951. Paper Box Files of Lever Action and Spring Back Type, Rubber Stamps, Etc. Class 37.

286,042. TEXIDE. Registered Aug. 11, 1931. L. E. Shunk Latex Products, Inc., Akron, Ohio, a corporation of Ohio. Renewed Aug. 11, 1951. Prophylactic Rubber Articles for the Prevention of Contagious Diseases. Class 44.

286,880. TEKKO. Registered Sept. 8, 1931. Salubra S. A., Basel, Switzerland, a corporation organized under the laws of Switzerland. Renewed Sept. 8, 1951. Wall Coverings Made of Paper. Class 37.

286,881. SALUBRA. Registered Sept. 8, 1931. Salubra S. A., Basel, Switzerland, a corporation organized under the laws of Switzerland. Renewed Sept. 8, 1951. Wall Coverings Made of Paper. Class 37.

287,382. "STIKUM" ETC. Registered Sept. 22, 1931. Edward B. Sickle, doing business as Paint Products Laboratories. Renewed Sept. 22, 1951, to Willis C. Ware, doing business as Paint Products Laboratories, Chicago, Ill. Plastic Composition Material for Securing in Place Sound-Absorbing Blocks, Glass Panels, Cement Tiles, and Like Elements. Class 12.

287,481. "SG" AND DESIGN. Registered Sept. 29, 1931. Schering & Glatz, Inc., Bloomfield, N. J. Renewed Sept. 29, 1951, to Warner-Hudnut, Inc., New York, N. Y., a corporation of Delaware. Analgesics, Anaesthetics, Anodynes, Antiarthritic, Antiepileptics, Etc. Class 18.

287,933. "DAIRY FARM BUREAU" ETC. AND REPRESENTATION OF SEAL. Registered Oct. 20, 1931. The Ohio Farm Bureau Service Company. Renewed Oct. 20, 1951, to The Farm Bureau Cooperative Association, Inc., Columbus, Ohio, a corporation of Ohio. Dairy Feeds. Class 46.

287,975. "KENWOOD" ETC. WITHIN RECTANGLE DESIGN. Registered Oct. 20, 1931. Land O'Lakes Creameries, Inc., Minneapolis, Minn., a corporation of Minnesota. Renewed Oct. 20, 1951. Creamery Butter. Class 46.

288,095. "HYGRADE" AND DESIGN. Registered Oct. 20, 1931. Hygrade Lamp Company, Boston, Mass. Renewed Oct. 20, 1951, to Sylvania Electric Products, Inc., New York, N. Y., a corporation of Massachusetts. Electron Radio Tubes. Class 21.

288,225. RADIANT. Registered Oct. 20, 1931. Midway Chemical Company, Chicago, Ill. Renewed Oct. 20, 1951, to Boyle-Midway Inc., New York, N. Y., a corporation of Delaware. Shoe Polish. Class 4.

288,400. "BRONCHO" ETC. AND DRAWING. Registered Oct. 27, 1931. The Zapon Company, Wilmington, Del. Renewed Oct. 27, 1951, to Textileather Corporation, Toledo, Ohio, a corporation of Delaware. Pyroxylin or Otherwise Coated Fabrics—Namely, Leather Cloth. Class 50.

288,431. PLANTOL. Registered Oct. 27, 1931. Miller Wholesale Drug Company, Cleveland, Ohio. Renewed Oct. 27, 1951, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. Liquid Laxative Preparations. Class 18.

288,486. SUNSHINE. Registered Oct. 27, 1931. The Peteb Corporation. Renewed Oct. 27, 1951, to Whitehall Pharmacal Company, New York, N. Y., a corporation of Illinois. Cleansing Cream. Class 51.

288,658. MOTH-DED. Registered Nov. 3, 1931. Midway Chemical Company, Chicago, Ill. Renewed Nov. 3, 1951, to Boyle-Midway Inc., New York, N. Y., a corporation of Delaware. Liquid Insecticide. Class 6.

288,673. "STYLGAIT" AND DRAWING. Registered Nov. 3, 1931. Hahn Department Stores, Inc., Wilmington, Del. Renewed Nov. 3, 1951, to Allied Stores Corporation, New York, N. Y., a corporation of Delaware. Shoes Made of Leather, Fabric, Rubber or a Combination of Such Materials. Class 39.

288,682. "CHARMODE" ETC. Registered Nov. 3, 1931. Hahn Department Stores, Inc., Wilmington, Del. Renewed Nov. 3, 1951, to Allied Stores Corporation, New York, N. Y., a corporation of Delaware. Shoes Made of Leather, Part Fabric and Part Leather, Part Leather and Part Rubber Composition. Class 39.

288,746. "SIMONS & FRENCH" ETC. AND DRAWING. Registered Nov. 3, 1931. Simons & French Co., Inc., New York, N. Y. Renewed Nov. 3, 1951, to Simons & French Company, Incorporated, Sacramento, Calif., and New York, N. Y., a corporation of New York. Fresh Vegetables, Fresh Citrus Fruits, Fresh Deciduous Fruits. Class 46.

288,897. CROSCANE. Registered Nov. 10, 1931. Edward C. Bowers and Charles L. Feldman, receivers for Wickwire Spencer Steel Company, New York, N. Y. Renewed Nov. 10, 1951, to The Colorado Fuel and Iron Corporation, Denver, Colo., a corporation of Colorado. Perforated Sheet Metal To Be Used for Industrial and Ornamental Purposes and of Nonprecious Composition. Class 14.

288,903. TRIPLE-GUARD. Registered Nov. 10, 1931. The Nolde and Horst Company, Reading, Pa., a corporation of Pennsylvania. Renewed Nov. 10, 1951. Hosiery. Class 39.

289,012. "PROBAK" AND DRAWING LINED FOR GREEN, BLUE, AND RED. Registered Nov. 17, 1931. Probak Corporation, Jersey City, N. J., and New York, N. Y. Renewed Nov. 17, 1951, to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Razor Blades and Safety Razors. Class 23.

289,051. "PROM" ETC. AND DRAWING. Registered Nov. 17, 1931. Lenwells, Inc., Chicago, Ill. Renewed Nov. 17, 1951, to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Hair Dressing. Class 51.

289,259. ACE. Registered Nov. 24, 1931. Gustav Wiedeke Co. Renewed Nov. 24, 1951, to The Gustav Wiedeke Company, Dayton, Ohio, a corporation of Ohio. Tube and Flue Cutters, Tube and Flue Expanders, Tube and Flue Beading, and Tube and Flue Flaring Tools. Class 23.

289,291. IVANHOE. Registered Nov. 24, 1931. Perfection Stove Company, Cleveland, Ohio, o corporation of Ohio. Renewed Nov. 24, 1951. Liquid Fuel Stoves, Ovens for Liquid Fuel Stoves, Oil Burners, and Wicks for Use With Oil Burners. Class 34.

289,444. EAGLE. Registered Nov. 24, 1931. National Battery Company. Renewed Nov. 24, 1951, to Gould-National Batteries, Inc., St. Paul, Minn., a corporation of Delaware. Electric Batteries. Class 21.

289,532. LORATE. Registered Dec. 1, 1931. Lorate Company, Inc. Renewed Dec. 1, 1951, to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware. Medicinal Preparation for Use as a Vaginal Douche. Class 18.

289,612. STREAMLINE. Registered Dec. 1, 1931 Mueller Brass Co., Port Huron, Mich., a corporation of Michigan. Renewed Dec. 1, 1951. Tools for Sizing and Flaring Piping and Fittings To Facilitate Jointure. Class 23.

289,613. "PETRECO" AND DRAWING. Registered Dec. 1, 1931. Petroleum Rectifying Company of California, Los Angeles, Calif. Renewed Dec. 1, 1951, to Petrolite Corporation, Ltd., Long Beach, Calif., a corporation of Delaware. Tanks for Treating Petroleum Products. Class 2.

289,693. IVORINE. Registered Dec. 1, 1931. Columbia Dental & X-Ray Corp. Renewed Dec. 1, 1951, to Columbia Dentoform Corporation, New York, N. Y., a corporation of New York. Dental Casts and Forms; Models of Teeth, Gum, and Jaw Structures and Display Stands Therefor; Dental Plates, and Dental Bridges. Class 44.

289,722. "INA" AND DESIGN. Registered Dec. 1, 1931. Hahn Department Stores, Inc., Wilmington, Del., and New York, N. Y. Renewed Dec. 1, 1951, to Allied Stores Corporation, New York, N. Y., a corporation of Delaware. Hosiery. Class 39.

290,010. EUPHTHALMINE. Registered Dec. 22, 1931. Schering-Kahlbaum, A. G., Berlin, Germany. Renewed Dec. 22, 1951, to Warner-Hudnut, Inc., New York, N. Y., a corporation of Delaware. Alkamine Derivatives. Class 6.

290,130. OLD COMPANY PLATE. Registered Dec. 22, 1931. International Silver Company. Renewed Dec. 22, 1951, to The International Silver Company, Meriden, Conn., a corporation of Connecticut. Flatware Consisting of Silverplated Spoons, Ladles, Forks, and Knives. Class 28.

290,215. "ANACIN" AND DRAWING LINED FOR RED, YELLOW, AND GREEN. Registered Dec. 22, 1931. The Anacin Company, Chicago, Ill. Renewed Dec. 22, 1951, to Whitehall Pharmacal Company, New York, N. Y., a corporation of Illinois. Medicinal Preparation for Internal Use Acting as an Analgesic to Relieve Pain. Class 18.

290,266. C-THRU. Registered Dec. 29, 1931. Al-Lon Manufacturing Company, Inc., Baltimore, Md., a corporation of Maryland. Renewed Dec. 29, 1951. Wardrobe Bags, Individual Dress Covers, Shoulder Covers, and Garment Bags. Class 2.

290,269. "JULY CLOTH" AND DRAWING. Registered Dec. 29, 1931. Wellington Sears Company, New York, N. Y., a corporation of Massachusetts. Renewed Dec. 29, 1951. Cloths Made All or in Part of Worsted, Wool, Mohair, Camel's Hair, Alpaca, Silk, Rayon, Cotton. Class 42.

290,476. "COLGATE'S" ETC. AND REPRESENTATION OF CARTON LINED FOR BLUE. Registered Jan. 5, 1932. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed Jan. 5, 1952, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Shaving Soap and Shaving Sticks. Class 51.

290,515. ERMAL. Registered Jan. 5, 1932. Erie Malleable Iron Company, Erie, Pa., a corporation of Pennsylvania. Renewed Jan. 5, 1952. Ferrous Metal Castings. Class 14.

290,631. METROMEDIUM. Registered Jan. 12, 1932. Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York. Renewed Jan. 12, 1952. Matrices for Type Bar Casting Machines. Class 50.

290,747. AIR COOLED. Registered Jan. 12, 1932. J. Schoeneman, Incorporated, Baltimore, Md., a corporation of Maryland. Renewed Jan. 12, 1952. Coats, Vests, Trousers, Etc. Class 39.

290,754. "KOLYNOS" ETC. AND REPRESENTATION OF CARTON LINED FOR YELLOW AND GREEN. Registered Jan. 12, 1932. The Kolynos Company, New Haven, Conn. Renewed Jan. 12, 1952, to Whitehall Pharmacal Company, New York, N. Y., a corporation of Illinois. Dental Cream. Class 51.

290,791. SHOE AND LEATHER REPORTER. Registered Jan. 19, 1932. Shoe and Leather Reporter Co., Boston, Mass., a corporation of Massachusetts. Renewed Jan. 19, 1952. Periodicals Relating to the Trade. Class 38.

290,797. KORRUKRAFT. Registered Jan. 19, 1932. Southern Kraft Corporation. Renewed Jan. 19, 1952, to International Paper Company, New York, N. Y., a corporation of New York. Kraft Paper. Class 37.

290,798. BLUE RIBBON-JUG. Registered Jan. 19, 1932. Knapp-Monarch Company, Belleville, Ill. Renewed Jan. 19, 1952, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware. Insulated Jugs and Vacuum Bottles. Class 2.

290,811. EUREKA. Registered Jan. 19, 1932. Auto Radiator Manufacturing Company, Chicago, Ill., a corporation of Illinois. Renewed Jan. 19, 1952. Vehicle Radiators, Radiator Cores, and Automobile Heaters Utilizing Hot Water From the Engine. Class 19.

290,818. TOURIST-JUG. Registered Jan. 19, 1932. Knapp-Monarch Company, Belleville, Ill. Renewed Jan. 19, 1952, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware. Insulated Jugs and Vacuum Bottles. Class 2.

290,820. THERM-A-JAR. Registered Jan. 19, 1932. Knapp-Monarch Company, Belleville, Ill. Renewed Jan. 19, 1952, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware. Insulated Jugs and Vacuum Bottles. Class 2.

290,881. "K-M." Registered Jan. 19, 1932. Knapp-Monarch Company, Belleville, Ill. Renewed Jan. 19, 1952, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware. Electric Hair Dryers, Electric Heating Pads for Therapeutic Use, Therapeutic Lamps, Etc. Class 44.

290,882. "THERM-A-MAGIC." Registered Jan. 19, 1932. Knapp-Monarch Company, Belleville, Ill. Renewed Jan. 19, 1952, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware. Electric Heating Pads for Therapeutic Use, Electrically Operated Hair Dryers, Therapeutic Lamps, and Infra-Red Ray Lamps. Class 44.

290,887. KOOLOX. Registered Jan. 19, 1932. Rit Products Corporation, Chicago, Ill. Renewed Jan. 19, 1952, to Rit Products Corporation, New York, N. Y., a corporation of Delaware. Shaving Cream. Class 51.

290,929. DERMAX. Registered Jan. 19, 1932. Edwin J. Mally, doing business as the Cross Drug Co., Chicago, Ill. Renewed Jan. 19, 1952, to Richard Hudnut, New York, N. Y., a corporation of New York. Medicinal Preparation for Use in the Treatment of the Hair and Scalp. Class 18.

291,090. BANGORE. Registered Jan. 26, 1932. J. Schoeneman, Incorporated, Baltimore, Md., a corporation of Maryland. Renewed Jan. 26, 1952. Coats, Vests, Trousers, Etc. Class 39.

291,198. RONCO. Registered Feb. 2, 1932. Robillo & Cuneo, Memphis, Tenn., a partnership. Renewed Feb. 2, 1952. Olive Oil. Class 46.

291,246. SOUTHLAND. Registered Feb. 2, 1932. Continental Paper & Bag Corporation. Renewed Feb. 2, 1952, to International Paper Company, New York, N. Y., a corporation of New York. Food Wrappers Formed of Paper in Sheet and Roll Form. Class 37.

291,742. TIMELY. Registered Feb. 23, 1932. F. M. Hoyt Shoe Corporation, Manchester, N. H. Renewed Feb. 23, 1952, to Timely Clothes, Inc., Rochester, N. Y., a corporation of New York. Boots and Shoes Made Wholly or in Part of Leather, Fabrics, or Combinations Thereof. Class 39.

291,785. "TWINIDA" AND DESIGN. Registered Feb. 23, 1932. The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. Renewed Feb. 23, 1952. Self-Rising Flour. Class 46.

291,845. SCOTCHMOOR. Registered Feb. 23, 1932. Charles Baker & Company, Inc., Philadelphia, Pa. Renewed Feb. 23, 1952, to Rogers Peet Company, New York, N. Y., a corporation of New York. Men's Top Coats. Class 39.

291,877. LILY LAKE. Registered Feb. 23, 1932. The Weinberg Butter & Egg Co. Inc. Renewed Feb. 23, 1952, to Lily Lake Cheese Co., Inc., New York, N. Y., a corporation of New York. Butter and Cheese. Class 46.

292,020. PERM-A-CLOR. Registered Mar. 1, 1932. Rex Products & Manufacturing Company. Renewed Mar. 1, 1952, to Detrex Corporation, Detroit, Mich., a corporation of Michigan. Cleaning Solvents for Removing Grease. Class 52.

292,085. LINOCRAFT. Registered Mar. 1, 1932. The Spencerian Pen Company. Renewed Mar. 1, 1952, to Spencerian Pen Company Inc., New York, N. Y., a corporation of New York. Pen Tools for Line Cutting. Class 23.

292,334. "SAYLCO-ENDURABLE". Registered Mar. 15, 1932. Sayles Finishing Plants, Inc., Saylesville, R. I., and New York, N. Y., a corporation of Rhode Island. Renewed Mar. 15, 1952. Cotton and Woolen Piece Goods. Class 42.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

82,938. HIBULK. Registered Aug. 1, 1911. Renewed Aug. 1, 1931. West Virginia Pulp & Paper Company, New York, N. Y. Printing-Paper. Class 37. Corrected as follows: In the certificate, line 4; and in the statement, line 4, "New York" should be *Delaware*.

82,940. PINNACLE. Registered Aug. 1, 1911. Renewed Aug. 1, 1931. West Virginia Pulp & Paper Company, New York, N. Y. Printing-Paper. Class 37. Corrected as follows: In the certificate, line 4; and in the statement, line 4, "New York" should be *Delaware*.

239,063. SOFT SPUN. Registered Feb. 21, 1928. Renewed Feb. 21, 1948. Marshall Field & Company, Chicago, Ill. Sheets and Pillow Cases. Class 42. Amended as follows: In the statement, column 1, line 5, "219 W. Adams" is deleted and *25 East Washington* is inserted in lieu thereof; line 8, "and pillow cases" is deleted; column 2, the last paragraph is deleted; and the drawing is amended to appear as follows:

Soft Spun

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 128,602. Registered Jan. 13, 1920. The American Metal Company, Limited, New York, N. Y., a corporation of New York. Republished by registrant.

WHITE STAR BRAND

The word "Brand" is disclaimed apart from the mark as shown.

For White Arsenic.

Claims use since May 26, 1919.

Reg. No. 312,496. Registered May 1, 1934. (Classified in Class 51.) Ace Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ACE

For After Shaving Lotions, Talcum Powders, Dentifrices, and Tooth Pastes.

Claims use since Jan. 16, 1931.

Reg. No. 326,003. Registered July 9, 1935. (Classified in Class 51.) Ace Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ACE

For After Shaving Lotions, Talcum Powders, Dentifrices, and Tooth Pastes.

Claims use since Aug. 1, 1918.

Reg. No. 387,388. Registered May 13, 1941. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

VITROLAN

For Dyestuffs.

Claims use since Dec. 12, 1940.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 251,262. Registered Jan. 1, 1929. Donelson and Poston, Memphis, Tenn., a firm. Republished by registrant.

BETTERMAID

For Matches.
Claims use since June 17, 1923.

Reg. No. 251,283. Registered Jan. 1, 1929. Donelson and Poston, Memphis, Tenn., a firm. Republished by registrant.

Big Boy

For Matches.
Claims use since Jan. 30, 1928.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 251,538. Registered Jan. 8, 1929. Donelson and Poston, Memphis, Tenn., a firm. Republished by registrant.

BETTERMAID

For Cigars.
Claims use since June 17, 1923.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 312,496. Registered May 1, 1934. (Classified in Class 51.) Ace Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ACE

For After Shaving Lotions, Talcum Powders, Dentifrices, and Tooth Pastes.
Claims use since Jan. 16, 1931.

Reg. No. 326,003. Registered July 9, 1935. (Classified in Class 51.) Ace Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.



For After Shaving Lotions, Talcum Powders, Dentifrices, and Tooth Pastes.
Claims use since Aug. 1, 1918.

CLASS 19

VEHICLES

Reg. No. 341,360. Registered Dec. 8, 1936. F. A. Whitney Carriage Company, Leominster, Mass., a corporation of Massachusetts. Republished by registrant.



For Baby Carriages.
Claims use since Feb. 29, 1936.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 147,985. Registered Nov. 8, 1921. Dille & McGuire Mfg. Co., Richmond, Ind., a corporation of Indiana. Republished by registrant.

AERO

For Lawnmowers.
Claims use since 1910.

Reg. No. 147,986. Registered Nov. 8, 1921. Dille & McGuire Mfg. Co., Richmond, Ind., a corporation of Indiana. Republished by registrant.

LEADER

For Lawnmowers.
Claims use since 1912.

Reg. No. 147,987. Registered Nov. 8, 1921. Dille & McGuire Mfg. Co., Richmond, Ind., a corporation of Indiana. Republished by registrant.

RICHMOND

For Lawnmowers.
Claims use since 1888.

Reg. No. 147,988. Registered Nov. 8, 1921. Dille & McGuire Mfg. Co., Richmond, Ind., a corporation of Indiana. Republished by registrant.

NEW MAGIC

For Lawnmowers.
Claims use since 1902.

Reg. No. 147,989. Registered Nov. 8, 1921. Dille & McGuire Mfg. Co., Richmond, Ind., a corporation of Indiana. Republished by registrant.

GLIDE

For Lawnmowers.
Claims use since 1913.

Reg. No. 147,990. Registered Nov. 8, 1921. Dille & McGuire Mfg. Co., Richmond, Ind., a corporation of Indiana. Republished by registrant.

WESTERN

For Lawnmowers.
Claims use since 1890.

Reg. No. 147,991. Registered Nov. 8, 1921. Dille & McGuire Mfg. Co., Richmond, Ind., a corporation of Indiana. Republished by registrant.

SUPREME

For Lawnmowers.
Claims use since 1915.

Reg. No. 150,789. Registered Jan. 10, 1922. Dille & McGuire Mfg. Co., Richmond, Ind., a corporation of Indiana. Republished by registrant.

KING

For Lawnmowers.
Claims use since 1900.

Reg. No. 154,268. Registered Apr. 11, 1922. Dille & McGuire Mfg. Co., Richmond, Ind., a corporation of Indiana. Republished by registrant.

DIAMOND

For Lawnmowers.
Claims use since 1885.

Reg. No. 344,958. Registered Apr. 13, 1937. Roto-Rooter Corporation, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

ROTO-ROOTER

The word "Rooter" is disclaimed apart from the mark as shown.
For Sewer and Drain Cleaning Machines.
Claims use since March 1935.

Reg. No. 373,680. Registered Dec. 19, 1939. Dille & McGuire Mfg. Co., Richmond, Ind., a corporation of Indiana. Republished by registrant.

TURFMASTER

For Lawnmowers.
Claims use since Sept. 28, 1936.

Reg. No. 387,226. Registered May 6, 1941. Roto-Rooter Corporation, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.



The words "Pipe Cleaner" are disclaimed apart from the mark as shown.
For Drain Pipe Cleaners.
Claims use since Nov. 28, 1939.

Reg. No. 387,713. Registered May 27, 1941. Dille & McGuire Mfg. Co., Richmond, Ind., a corporation of Indiana. Republished by registrant.

Grass Groomer

For Lawnmowers.
Claims use since July 5, 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 82,140. Registered June 6, 1911. Elgin National Watch Company, Elgin and Chicago, Ill., a corporation of Illinois. Republished by registrant, present address Elgin, Ill.

E.N.W.CO.

For Mainsprings for Watches.
Claims use since on or about May 1, 1871.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 290,422. Registered Jan. 5, 1932. Edwin F. M. Speidel, doing business as Automatic Gold Chain Company, Providence, R. I. Republished by Speidel Corporation, Providence, R. I., a corporation of Rhode Island.

TRITON

For Jewelry for Personal Wear or Adornment, Not Including Watches.
Claims use since Aug. 3, 1931.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 385,406. Registered Feb. 25, 1941. Harris-Hub Bed & Spring Co., Cicero, Ill., a corporation of Illinois. Republished by registrant.

Styline

For Reinforcing Tubing for Bedsteads, Cabinets, Stands, and Other Metal Furniture.
Claims use since July 2, 1940.

CLASS 8

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 94,180. Registered [illegible]. [illegible] Manufacturing Company, Stoughton, Mass. Republished by Universal Winding Company, Fremont, N. H., a corporation of Massachusetts.

UNI-TWIST

[illegible] Rubber and Other Composition Belts.
Claims use since [illegible]

CLASS 38

CLOTHING

Reg. No. 67,980. Registered May 27, [illegible]. Shoe Company, Manchester, N. H. Republished by Wilson Process Company, Boston, Mass., a corporation of Massachusetts.

BEACON

For [illegible] Shoes and Shoes.
Claims use since August, 1905.

Reg. No. 345,501. Registered Feb. 15, 1938, [illegible] & Mack Company, Inc., a corporation of New York. Republished by registrant.

Silkool

For Men's and Boys' Suits, Coats, Overcoats, Topcoats, Vests, Trousers, Knickerbockers and Breeches.
Claims use since Sept. 25, 1936.

Reg. No. 332,984. Registered Dec. 21, 1935. Worcester Cap Company, Boston, Mass. Republished by Dunstan Cap Company, Framingham, Mass., a corporation of Massachusetts.

[The Wales]

For Men's Felt Hats, Uniform Caps and Caps for General Wear.
Claims use since Jan. 10, 1912.

Reg. No. 101,521. Registered Mar. 21, 1922. Worcester Cap Company, Boston, Mass. Republished by Dunstan Cap Company, Framingham, Mass., a corporation of Massachusetts.

Flighter

For Uniform Caps.
Claims use since August, 1940.

CLASS 46

SPICES AND CONDIMENTS OR SAUCES

Reg. No. 91,[illegible]. Registered [illegible]. [illegible] Company, [illegible], a corporation of [illegible]. Republished by [illegible], a corporation of [illegible].

[illegible]
[illegible]
Claims use since 1908.

Reg. No. [illegible]. Registered May [illegible]. [illegible] Company, Memphis, Tenn., a corporation of Tennessee. Republished by [illegible], Memphis, Tenn., a corporation of Tennessee.

BETTIS MAID

[illegible]
[illegible]

Reg. No. [illegible]. Registered May [illegible]. [illegible] Company, Memphis, Tenn., a corporation of Tennessee. Republished by [illegible], Memphis, Tenn., a corporation of Tennessee.

BETTER MAID

[illegible]
[illegible]

Reg. No. 322,345. Registered Jan. 22, 1935. [illegible] Olive Packing Company, Inc., a corporation of New York. Republished by registrant.

[illegible]

For [illegible] Olives, Oil Pickle, Pimento Stuffed Queen Olives, Ripe Olives, Salad Oil, Stuffed Olives, Queen Olives, Pimento Stuffed Olives, Ripe Olives, Queen Olives, Salad Oil, Strawberry Jam, Orange Marmalade, Pickled Spiced Fruits.
Claims use since June 1, 1930.

Reg. No. 400,001. Registered Jan. 14, 1941. [illegible] Rice Sales Company, Inc., a corporation of Delaware. Republished by Rice Brand Rice Mills, Inc., a corporation of Delaware.

ROVINE

For Rice, Barley, Dried Lima Beans and Dried Peas and Cereals, Rice and Spices, Rice Flakes and Rice Meal.
Claims use since September, 1941.

Reg. No. 334,656. Registered May 12, 1936. Herben Serois, doing business as Nutro Dog Food Company, Santa Monica, Calif. Republished by John C. Saleen, doing business as Nutro Dog Food Co., El Monte, Calif.

NUTRO

For Dog Food, Cat Food, and Fox Food.
Claims use since Sept. 1, 1931.

Reg. No. 440,910. Registered Oct. 12, 1948. Universal Mills, Fort Worth, Tex., a corporation of Texas. Republished by registrant.

White Vane

The word "White" is disclaimed apart from the mark as shown.
For White Wheat Flour.
Claims use since Feb. 15, 1944.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 312,496. Registered May 1, 1934. Ace Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ACE

For After Shaving Lotions, Talcum Powders, Dentifrices, and Tooth Pastes.
Claims use since Jan. 16, 1931.

Reg. No. 326,003. Registered July 9, 1935. Ace Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.



For After Shaving Lotions, Talcum Powders, Dentifrices, and Tooth Pastes.
Claims use since Aug. 1, 1918.

CLASS 52

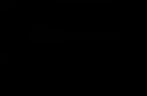
DETERGENTS AND SOAPS

Reg. No. 312,496. Registered May 1, 1934. (Classified in Class 51.) Ace Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ACE

For After Shaving Lotions, Talcum Powders, Dentifrices, and Tooth Pastes.
Claims use since Jan. 16, 1931.

Reg. No. 326,003. Registered July 9, 1935. (Classified in Class 51.) Ace Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.



For After Shaving Lotions, Talcum Powders, Dentifrices, and Tooth Pastes.
Claims use since Aug. 1, 1918.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 284,260. Registered June 23, 1931. The Atwood Machine Company, Stonington, Conn. Republished by Universal Winding Company, Cranston, R. I., a corporation of Massachusetts.

UNI-TWIST

For Rubber and Fabric Composition Belt.
Claims use since on or about Jan. 11, 1930.

CLASS 39

CLOTHING

Reg. No. 82,086. Registered May 30, 1911. F. M. Hoyt Shoe Company, Manchester, N. H. Republished by Wilson Footwear Company, Boston, Mass., a corporation of Massachusetts.

BEACON

For Leather Boots and Shoes.
Claims use since August 1903.

Reg. No. 343,322. Registered Feb. 16, 1937. Hart, Schaffner & Marx, Chicago, Ill., a corporation of New York. Republished by registrant.

Silkool

For Men's and Boys' Suits, Coats, Overcoats, Topcoats, Vests, Trousers, Knickerbockers, and Breeches.
Claims use since Sept. 22, 1936.

Reg. No. 352,984. Registered Dec. 21, 1937. Worcester Cap Company, Boston, Mass. Republished by Bancroft Cap Company, Framingham, Mass., a corporation of Massachusetts.

The Wales

For Men's Felt Hats, Uniform Caps, and Caps for General Wear.
Claims use since Jan. 10, 1932.

Reg. No. 401,521. Registered May 25, 1943. Worcester Cap Company, Boston, Mass. Republished by Bancroft Cap Company, Framingham, Mass., a corporation of Massachusetts.

Flighter

For Uniform Caps.
Claims use since August 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 84,049. Registered Oct. 31, 1911. Societa Generale Delle Conserve Alimentari Cirio, San Giovanni a Teduccio, near Naples, Italy, a company incorporated under the laws of Italy. Republished by registrant.



For Tomato Extract.
Claims use since 1908.

Reg. No. 210,576. Registered Mar. 16, 1926. Lewis R. Donelson, Jr., Memphis, Tenn. Republished by Donelson and Poston, Memphis, Tenn., a firm.

BETTERMAID

For Pancake Flour.
Claims use since June 17, 1925.

Reg. No. 227,729. Registered May 17, 1927. Lewis R. Donelson, Jr., Memphis, Tenn. Republished by Donelson and Poston, Memphis, Tenn., a firm.

BETTER MAID

For Baking Powder.
Claims use since June 17, 1923.

Reg. No. 285,340. Registered July 28, 1931. John R. Silva, doing business as John R. Silva & Co., Brooklyn, N. Y. Republished by registrant.

NOSSOS

For Coffee, Olive Oil, Cocoa, Tea, Canned Sardines, Canned Salmon, Canned Tuna Fish, Canned Asparagus, Canned Green Peas, Canned String Beans, Canned Tomatoes, Salad Oil, Strawberry Jelly, Orange Marmalade, and Dried Assorted Fruits.
Claims use since June 1, 1930.

Reg. No. 285,927. Registered Aug. 11, 1931. Southern Rice Sales Company, Inc., New York, N. Y. Republished by River Brand Rice Mills, Inc., New York, N. Y., a corporation of Delaware.

BOVINE

For Rice; Barley; Dried Peas, Beans, and Lentils; Coffee and Spices; Rice Flakes and Rice Flour.
Claims use since September 1929.

Reg. No. 334,656. Registered May 12, 1936. Herben Serois, doing business as Nutro Dog Food Company, Santa Monica, Calif. Republished by John C. Saleen, doing business as Nutro Dog Food Co., El Monte, Calif.

NUTRO

For Dog Food, Cat Food, and Fox Food.
Claims use since Sept. 1, 1931.

Reg. No. 440,910. Registered Oct. 12, 1948. Universal Mills, Fort Worth, Tex., a corporation of Texas. Republished by registrant.

White Vane

The word "White" is disclaimed apart from the mark as shown.
For White Wheat Flour.
Claims use since Feb. 15, 1944.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 312,496. Registered May 1, 1934. Ace Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ACE

For After Shaving Lotions, Talcum Powders, Dentifrices, and Tooth Pastes.
Claims use since Jan. 16, 1931.

Reg. No. 326,003. Registered July 9, 1935. Ace Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.



For After Shaving Lotions, Talcum Powders, Dentifrices, and Tooth Pastes.
Claims use since Aug. 1, 1918.

CLASS 52

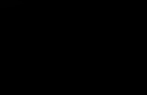
DETERGENTS AND SOAPS

Reg. No. 312,496. Registered May 1, 1934. (Classified in Class 51.) Ace Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ACE

For After Shaving Lotions, Talcum Powders, Dentifrices, and Tooth Pastes.
Claims use since Jan. 16, 1931.

Reg. No. 326,003. Registered July 9, 1935. (Classified in Class 51.) Ace Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.



For After Shaving Lotions, Talcum Powders, Dentifrices, and Tooth Pastes.
Claims use since Aug. 1, 1918.

REISSUES

JANUARY 15, 1952

23,449

ELECTRIC INTERNAL-COMBUSTION ENGINE HEAD BOLT HEATER

Andrew L. Freeman, Grand Forks, N. Dak.

Original No. 2,487,326, dated November 8, 1949, Serial No. 84,363, March 30, 1949, which is a continuation of Serial No. 707,695, November 4, 1946. Application for reissue November 6, 1951, Serial No. 255,092

9 Claims. (Cl. 219—19)



7. A heating device for internal combustion engines adapted to be inserted therein in lieu of a head bolt, comprising a metal sleeve having a threaded portion adapted to engage in a threaded hole in the cylinder block and having an electric heating element secured to the sleeve and extending a substantial distance beyond the inner end of such threaded portion, means associated with the other end of the sleeve spaced a substantial distance from such threaded portion to engage the cylinder head for clamping it to the block, and lead-in connections connected to such element extending through the sleeve to the other end thereof, said heating element and connections being insulated from the sleeve.

23,450

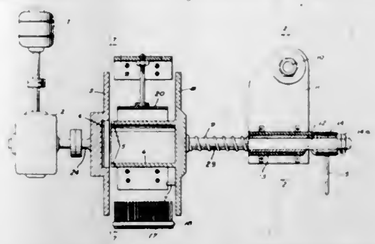
MACHINE FOR PRODUCING PADS FOR JOURNAL LUBRICATION

Ansley A. McVicker, Jeannette, and Howard D. McVicker, Latrobe, Pa.

Original No. 2,485,901, dated October 25, 1949, Serial No. 636,166, December 20, 1945. Application for reissue August 22, 1951, Serial No. 243,119

18 Claims. (Cl. 19—149)

14. A machine for production of roll-type pads from waste comprising an end plate connected with a motor and mounted for rotation, a mandrel connected with a shaft mounted adjacent the rotary end plate in axial alignment therewith, a coupling member mounted in the face of the end plate, a coupling member formed on the end of the mandrel, compression spring means for holding the coupling member of the mandrel in engagement with the clutch member of the end plate and means connected with the mandrel shaft constructed and arranged to effect manual disconnection of the mandrel from the end plate while the end plate continues to rotate and a withdrawal of the mandrel a sufficient dis-



tance from the end plate to permit removal of waste pads from the mandrel without stopping rotation of the end plate.

23,451

LAMINATED PRODUCTS AND ADHESIVE COMPOSITIONS OF MATTER

Charles J. Mighton, Madelyn Gardens, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original No. 2,561,215, dated July 17, 1951, Serial No. 626,160, November 1, 1945. Application for reissue October 20, 1951, Serial No. 252,407. In Canada June 11, 1945

13 Claims. (Cl. 154—43)

4. A laminated article comprising a solid material bonded to a solid material by an adhesive comprised of a copolymer of a diene hydrocarbon containing conjugated double bonds and a member of the class consisting of unsubstituted monovinyl pyridines and alkyl substituted monovinylpyridines, the said hydrocarbon being present in amounts of 50% to 95% by weight of said copolymer and the vinylpyridine being present in amounts at least 5% by weight of said copolymer in admixture with an infusible polyhydric phenol-aldehyde resin formed from a heat convertible resin previously blended with said copolymer, the amount of said resin being from 20% to 60% [by weight of said adhesive] *of the combined weights of said copolymer and said resin.*

7. An article in accordance with claim 4 in which a fibrous material is bonded to an elastomer by said adhesive.

23,452

REMOVABLE ROOF FOR THE COCKPITS OF AIRCRAFT

Raymond Saulnier, Paris, France

Original No. 2,539,331, dated January 23, 1951, Serial No. 127,964, November 17, 1949. Application for reissue August 23, 1951, Serial No. 243,204. In France November 24, 1948

4 Claims. (Cl. 244—121)



1. In combination with a slidable and detachable roof for an aircraft cockpit, a securing device comprising movable roof locking means located at the rear end of said roof, means located

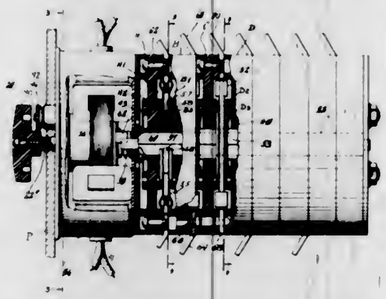
inside the cockpit to release said movable locking means, separable interlocking elements fixed, respectively, to the front end of said roof and to the aircraft, and adapted to permit pivoting of said roof [by] *through* a certain angle about an axis perpendicular to the longitudinal axis of the cockpit, and resilient means adapted to pivot automatically said roof about said *perpendicular* axis when said movable locking means are released so as to permit separation of said interlocking elements from each other.

23,453
ROTARY ELECTROMAGNETIC TRANSFER SWITCH

Harold E. Schleicher, West Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut

Original No. 2,553,478, dated May 15, 1951, Serial No. 560,407, October 26, 1944. Application for reissue September 28, 1951, Serial No. 248,801

10 Claims. (Cl. 200—104)



4. In a rotary magnetic switch, a main shaft, a pair of rotary contact means, an electro-magnet for moving said means in one direction, spring means moving said contact means in the opposite direction when said magnet is deenergized, electrically common stationary contact means engageable by both of said pair of contacts in different positions, and separate stationary contact means one of which is engageable by one of said pair when that one of the pair engages said common contact means, the other of said separate contact means being engageable by the other of said pair when said other of the pair engages said common contact means, a plurality of identical discs forming an insulating base and supporting said stationary contacts, said discs being recessed to provide an enclosed cavity between adjoining discs for movement of said rotary contact means, means to mount the switch on a panel comprising a cup-shaped casing of magnetic material for said electro-magnet provided with a flange adapted to lie flush against and be secured to a panel with said main shaft perpendicular to the panel.

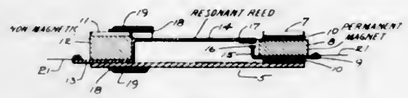
23,454
RESONANT MAGNETIC SWITCH ASSEMBLY

Herbert G. Weightman, Berkeley, Calif., assignor to Stevens-Arnold Inc., Boston, Mass., a corporation of Massachusetts

Original No. 2,471,594, dated May 31, 1949, Serial No. 690,387, August 14, 1946. Application for reissue May 17, 1950, Serial No. 162,596

4 Claims. (Cl. 200—91)

1. A resonant switch comprising a channel member having a base, and sides extending substantially perpendicular to said base; an armature of magnetizable spring metal; means including a filler block for supporting said armature as a cantilever beam in one end of said channel member; a contact member of magnetizable metal in the other end of said channel member and having its inner end overlapping and spaced from the free end of said armature; a permanent magnet alongside said contact member and having its inner end closely spaced from said free end of said armature; insulation around said contact member and said magnet for insulating same from said channel member; extensions on said sides of said channel member



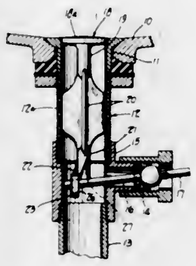
bent over at one end thereof for supporting said filler block and said armature in said channel member; other extensions on said sides bent over at the other end thereof for supporting said insulation, said magnet and said contact member in said channel member, and an energizing coil supported around said channel member for magnetizing said armature, said free end of said armature being adapted to strike said contact member and to close an electric circuit connected thereto and to said armature when alternating current having the resonant frequency of said armature is passed through said coil.

23,455
POP-UP VALVE CONNECTION

Stephen A. Young, Delphi, Ind.

Original No. 2,524,723, dated October 3, 1950, Serial No. 18,675, April 2, 1948. Application for reissue February 2, 1951, Serial No. 209,010

9 Claims. (Cl. 4—203)



1. In a pop-up valve structure adapted for tilt rod actuation and having a valve portion and vane type guide means longitudinally aligned therewith, the combination of a stem portion coincident with the longitudinal axis of the valve portion and the means and disposed adjacent the latter, a sidewardly disposed U-hook shaped end upon said stem portion and disposed in offset relation to that axis and a shoulder *connected to said stem* extending laterally to said axis and in transverse relation to said end with respect to said axis, said shoulder and hook end departing from a common junction thereof with said stem portion, *said U-hook shaped end having a portion extending below said shoulder.*

PLANT PATENTS

GRANTED JANUARY 15, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,065
ROSE PLANT

Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application November 28, 1950, Serial No. 197,897

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the floribunda class, characterized as to novelty by the Cameo Pink color of its flowers, by the long-lasting quality of the flowers both on the bush and as cut-flowers, by its prolific flower production when grown in the greenhouse, and by its hardiness when grown out-of-doors, substantially as shown and described herein.

1,066
ROSE PLANT

Carl G. Duehrsen, Montebello, Calif., assignor to Constance A. Elmer, trading as Elmer Roses, San Gabriel, Calif.

Application October 9, 1950, Serial No. 189,155

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the hybrid floribunda class, characterized as to novelty by its vigorous and upright habit of growth, by its relative freedom from prickles and few thorns on its bright green stems, by the cluster-flowering habit of its large-size flowers borne on long stems, by the uniform, long-lasting and non-fading bright Indian Lake red color of its flowers, and by the cleanly dropping habit of its flower petals, substantially as herein shown and described.

1,067
IVY PLANT

Walter S. Hahn, Pittsburgh, Pa., assignor to Louis Hahn & Son, Pittsburgh, Pa.

Application July 11, 1950, Serial No. 173,138

1 Claim. (Cl. 47—59)

The new and distinct variety of ivy plant of the self-branching type, characterized particularly by its medium to small leaves having a distinctive shape and veination, repandent surface, and borne on petioles of medium length which attach to the zig-zagged stem at a sharp angle, as described and illustrated, thereby producing a novel appearance described as suggesting crepe de Chine.

PATENTS

GRANTED JANUARY 15, 1952

2,582,215

METHOD OF RENDERING CERAMIC MATERIALS WATER REPELLENT

James Franklin Hyde, Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application February 23, 1950, Serial No. 145,905
2 Claims. (Cl. 117—72)

1. A method of rendering ceramic surfaces water repellent which comprises contacting the surfaces with an aqueous solution of a siloxane salt of the formula

$$RSiO_{\frac{3-y}{2}}(ONa)_y$$

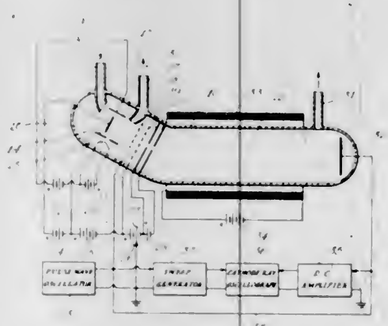
in which y has a value from 0.9 to 1.5, and R is an alkyl radical of from 1 to 3 carbon atoms inclusive, said solution having a concentration of from 1 to 4 per cent by weight of salt based upon the weight of the solution, drying the surface and baking it at a temperature of at least 150° C. for at least 5 minutes, rinsing the surface with a lower fatty acid, drying the surface and contacting it with a fluid methylpolysiloxane having a degree of substitution of from 2 to 2.1 methyl radicals per silicon atom, and heating the surface at a temperature of at least 150° C. for at least 5 minutes.

2,582,216

MASS SPECTROMETER

Otto G. Koppius, White Plains, N. Y., assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y.

Application October 16, 1946, Serial No. 703,520
21 Claims. (Cl. 250—41.9)



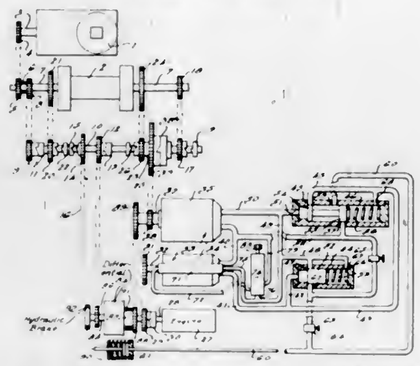
1. A method of analyzing a composition of matter in gaseous form comprising the steps of ionizing the gas, forming a block of ions of the gas, trajecting said block of ions along a given course, separating said block of ions during the transit thereof through said course into a plurality of ion groups having a time spacing proportional to the masses of the individual ions of the gas, collecting said spaced groups of ions in succession and measuring the spacing of said spaced groups of ions.

2,582,217

HYDRAULIC DRILLING MECHANISM

Charles M. O'Leary, Los Angeles, Calif.

Application November 15, 1945, Serial No. 628,793
3 Claims. (Cl. 255—19)



1. An automatic well drilling apparatus including a hoisting drum for supporting and elevating the drill stem, a rotatable power supply shaft, a reversible variable speed positive displacement hydraulic transmission connecting the shaft to the drum, means for maintaining the torque transmitted through said transmission at a substantially constant value independent of the speed or direction of rotation of the drum, means for rotating the drill stem, means independent of said transmission for applying an additional torque to the drum in a direction to support a portion of the weight of the drill stem and of a value proportional to the torque required to rotate the drill stem, said last means including a differential drive mechanism having a power input shaft and two power output shafts, one of said power output shafts being adapted for connection to the drill stem for rotating the same, and a drive connection between the other output shaft and the drum independent of said transmission.

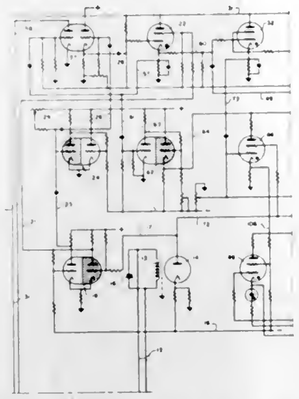
2,582,218

ELECTRONIC START-STOP TO MULTIPLEX EXTENSOR

Ransom D. Slayton, Lombard, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application October 15, 1948, Serial No. 54,775
21 Claims. (Cl. 178—2)

7. In apparatus for converting code signals having a control portion and an intelligence portion to signals having an intelligence portion only, in combination with apparatus for transmitting the signals having an intelligence portion only at a speed the same as or greater than the rate at which signals having both control and intelligence portions are received, means for receiving the signals having both control and intelligence portions, a start-stop electronic distributor comprising a plurality of tubes, a start-stop electronic oscillator for operating said distributor to cause said tubes to be rendered conducting successively in synchronism with said signal receiving means, means responsive to the control portion of a signal received by said signal receiving means for releasing said oscillator for operation, selector means under the joint control of the intelligence portion of the signal received



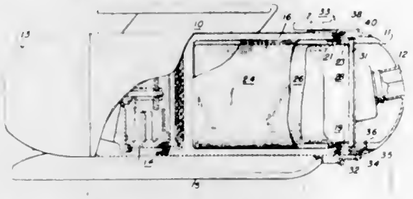
by said signal receiving means and said distributor tubes, and means controlled by said transmission apparatus for effecting a transfer of the selection in said selector means to said transmission apparatus, whereby said transmission apparatus will transmit the signals.

2,582,219

SUCTION CLEANING APPARATUS

William A. Ardito, West Springfield, and Jack Pickford, Springfield, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 1, 1950, Serial No. 153,378
4 Claims. (Cl. 183—44)



1. A suction cleaner comprising a casing having an open end, a gasket supported by said casing adjacent said open end, a head or closure member adapted to close said open end of said casing, said head having a projection on its inner side, which projection has a cylindrical exterior surface extending within said gasket in closely spaced relation thereto, and means for clamping said head to said casing, said gasket being deformed by said head to bear radially inwardly against said cylindrical exterior surface of said projection.

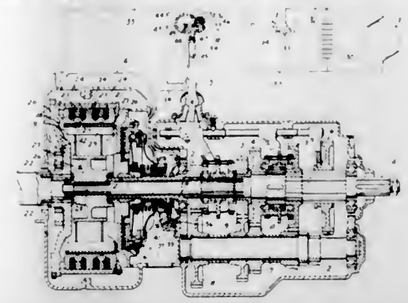
2,582,220

TRANSMISSION

Raymond A. Beckwith, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation

Application August 23, 1946, Serial No. 692,473
13 Claims. (Cl. 74—330)

1. In a power transmission for transmitting power from a driving member to a driven member, a driving member, a driven member, a rotatable transmission shaft adapted to be connected at one end to the driven member and aligned at its opposite end with the driving member, selective change speed instrumentalities for actuating said transmission shaft, a friction clutch having a shiftable clutch disc mounted on said shaft and disposed for frictional engagement with a coacting member connected to the driving



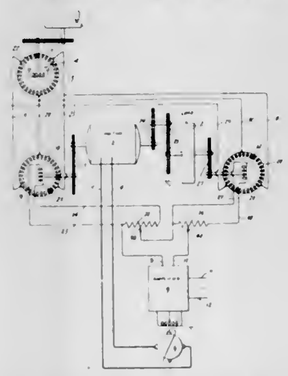
member, an electric coupling co-centered with the transmission shaft aforesaid and including means connected respectively to said transmission shaft and said driving member and disposed in coaxial spaced relation to each other for electro-magnetically transmitting power from the driving member to said transmission shaft independently of the change speed instrumentalities.

2,582,221

CONTROL SYSTEM OF THE CORRESPONDENCE KIND FOR MOVABLE MEMBERS

Frederick Harold Belsey, Sale, and David Travis Broadbent, Stretford, England, assignors to General Electric Company, a corporation of New York

Application December 16, 1948, Serial No. 65,708
In Great Britain April 25, 1945
6 Claims. (Cl. 318—30)



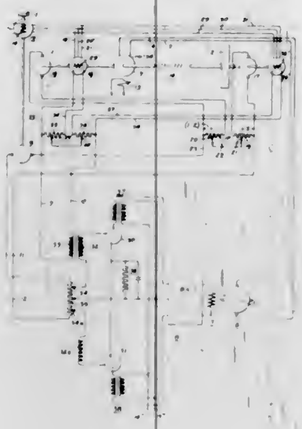
1. A control system comprising, motive equipment, a main load member adapted to be driven by said motive equipment, rigid driving connections between said motive equipment and said load member, alignment means including a pair of control elements and a controlling member coupled thereto, one of said elements being coupled to said load member, and the other of said elements being coupled to said motive equipment independently of said load member, each of said control elements producing a control quantity dependent on its displacement with respect to said controlling member, said control quantities being added algebraically to govern the operation of said motive equipment.

2,582,222

CONTROL SYSTEM OF THE CORRESPONDENCE KIND FOR MOVABLE MEMBERS

Frederick Harold Belsey, Sale, and David Travis Broadbent, Stretford, England, assignors to General Electric Company, a corporation of New York

Application December 24, 1948, Serial No. 67,232
In Great Britain June 7, 1945
7 Claims. (Cl. 318—30)



7. A control system comprising, a motor, a movable member, driving connections between said motor and said movable member, two selsyn elements each directly connected to said motor and said member respectively, a transmitter selsyn interconnected with said two selsyn elements, said elements being adapted respectively to produce a control quantity depending upon the displacement of said motor and said movable member respectively with respect to said transmitter selsyn, two generator elements each directly connected to said motor and said member respectively, a transmitter generator interconnected with said two generator elements, said elements being adapted respectively to produce a control quantity dependent upon the velocity of said motor and said movable member respectively with respect to the velocity of said transmitter generator, and control means jointly responsive to said control quantities for governing the operation of said motor.

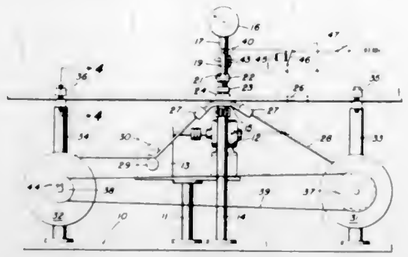
2,582,223

ABRASION TESTING MACHINE

George F. Blackburn, Montgomery County, Md., and Edwin R. Paul, Washington, D. C.

Application July 22, 1949, Serial No. 106,266
3 Claims. (Cl. 73—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An abrasion testing machine for insulated wires comprising a base, a pair of supports for reels secured thereon, clamping means one on each of said supports adapted to secure a wire therebetween, a reel on each support, a laterally movable anvil secured to said base over which said wire is held, an abrasive tape wound on and between said reels and passing over said anvil under said wire, a motor and reduction gear on said base drivably connected to a pair of friction rollers having said tape drivably positioned therebetween, driving means connecting the one of said reels driven by the movement of said tape therefrom to the other or take-up reel, movable holding means on said base positioned over said anvil adapted to press said wire against said tape on said anvil, tape guiding means on said anvil, means for moving said anvil and said tape-guiding means laterally prior to a test so as to present



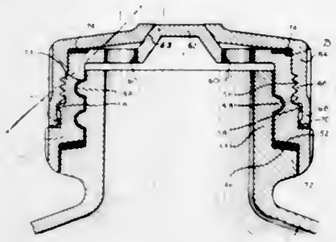
an unused portion of said tape to said wire for successive tests, indicating means on said base for measuring the movement of said holding means toward said anvil resulting from the abrasion and removal of insulation from said wire, and contact means operable by the resultant movement of said holding means to deenergize said motor when a predetermined amount of insulation has been removed.

2,582,224

CLOSURE FOR CONTAINERS

Odber E. Boadway, Pasadena, Calif., assignor to Innovations, Inc., Los Angeles, Calif., a corporation of Delaware

Application January 28, 1946, Serial No. 643,869
3 Claims. (Cl. 222—521)



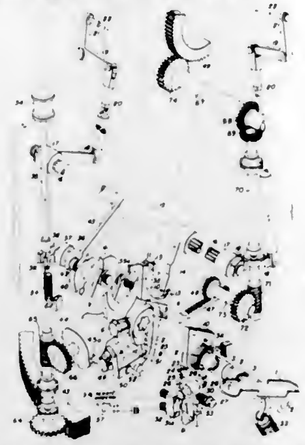
1. A closure for a container, comprising a neck having top discharge apertures and a top central closure plug, and provided with integral exterior screw threads and with an annular integral rounded locking bead on the outer portion of the neck, spaced downwardly from said exterior screw threads, a captive cap provided with a central discharge aperture cooperating with the closure plug on the cap and provided with interior integral screw threads adapted to cooperate with the exterior threads on the neck, said cap being further provided with an annular integral rounded bead spaced downwardly from its its interior screw threads, the inner diameter of the annular bead on the cap being smaller than the outer diameter of the annular bead on the neck, the cap being made of resilient material whereby the cap may be applied by forcing the bead on the cap to snap past the bead on the neck, said beads then cooperating to prevent removal of the cap.

2,582,225

GUN FIRING MECHANISM WITH CUTOUT DEVICE

Virgil C. Bowser, Silver Spring, Md., and Gerald W. Kinzelman, Washington, D. C.

Application December 9, 1946, Serial No. 715,122
16 Claims. (Cl. 89—134)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



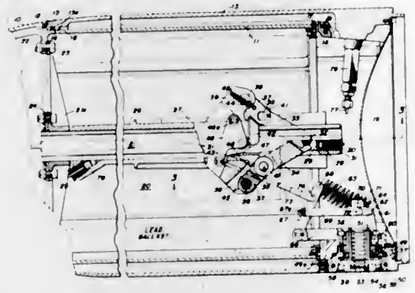
6. In a firing control system for a gun having a firing element, a firing linkage in operative engagement with said firing element, power operated means for actuating said firing linkage to fire said gun, manually operable means for actuating said firing linkage to fire said gun, a firing cutout mechanism comprising a separable connection in said manually operable means, means operative when the gun is aimed in an unsafe direction, to sever said connection and thereby render said manually operable means inoperative, additional means responsive to movement of said power operated means to firing position to disengage said separable connection to render said manually operable means inoperative, and means operative upon return of said power means to non-firing position to urge said separable connection toward a re-engaged position, to render said manually operable means operative to fire the gun upon further movement of said manually operable means.

2,582,226

EXPANSION HEAD FOR TORPEDOES

Thomas C. Boyle, Altadena, Calif.

Application October 13, 1949, Serial No. 121,081
10 Claims. (Cl. 114—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



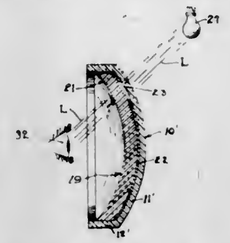
1. In an exercise head for torpedoes, an expandable chamber, means for securing the chamber against expansion, an inlet valve for admitting a fluid into the chamber, an outlet valve for expelling a ballast from the chamber, said outlet valve being operable by the pressure of the fluid entering the chamber, and means actuated by the opening of the outlet valve whereby said securing means is released so that the chamber may be expanded.

2,582,227

EYE EXAMINING DEVICE HAVING CONCAVE MIRROR

Frank W. Brady, Scranton, Pa.

Application December 27, 1948, Serial No. 67,371
4 Claims. (Cl. 88—20)



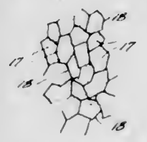
1. As an article of manufacture, a concave magnifying mirror substantially in the form of a spherical segment having a rim and a center adapted for use by an individual human eye for the examination of itself, said concave mirror being of such size as to substantially cover that portion of the human face containing the eye and extending from the eyebrow to the cheek bone, said concave mirror having a focal length of a such a figure that when said concave mirror is held substantially against the human eyebrow and cheek bone an enlarged image of the eye appearing in the concave mirror will be in focus as viewed by said eye, and said concave mirror having a central reflecting portion, and a plurality of other portions remote from said central reflecting portion and within the bounds of the rim of the substantially spherical segment, some of said other portions being reflecting portions, and one of said other portions being a light transmitting portion, said light transmitting portion of said mirror permitting light to pass from behind the mirror through the mirror, thus to illuminate the eye.

2,582,228

METHOD OF PRODUCING CELLULAR RESINOUS COMPOSITIONS

Robert Jacob Brinkema, Kew Gardens, N. Y., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware

Application October 29, 1946, Serial No. 706,467
24 Claims. (Cl. 18—48)



1. The method of producing a cellular composition comprising forming a water-containing mixture of a permanently fusible dihydric phenol-formaldehyde-containing resin, the ratio of the aldehyde to the total phenolic body being less than 1:1, the dihydric phenol being selected from

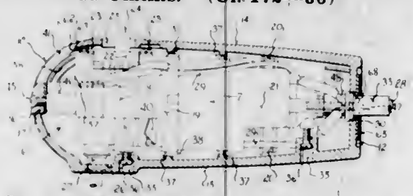
the group consisting of resorcinol, catechol and hydroquinone; and a solution of a formaldehyde setting agent, said solution having a viscosity between 3 and 130 centipoises at 20° C.; delaying the gel-forming reaction in the resinous mass by having present therein an organic retarder selected from the group consisting of unsubstituted polyhydric and monohydric alcohols and partial alkyl ethers of unsubstituted polyhydric alcohols which simultaneously prevents gas bubbles subsequently generated in the resinous mass from escaping during the time the mixture is in a liquid state and prior to the time the resinous mass has attained a substantial gelled structure, generating gas bubbles in the resinous mass, shortening the gel time of the resinous mass with respect to the time of the gas forming reaction by maintaining the pH of the resinous mass outside of the range of 2.5 to 6, and setting the resinous mass at a temperature varying between 60° and 120° F. prior to the escape of the gas bubbles.

2,582,229

POWER-DRIVEN PALM GRASPED KITCHEN APPLIANCE

Ellis Moss Brown and Fritz Victor Forss, Racine, Wis., assignors to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin

Application December 23, 1949, Serial No. 134,756
11 Claims. (Cl. 172—36)



1. In a portable electric motor driven appliance: a hollow elongated housing providing a handle of a size to be conveniently grasped and held in one hand, said housing having side and end walls and being split longitudinally into a pair of complementary mating sections; a power unit in said housing including an electric motor; means providing localized contact between the side of the power unit and one of the sections for spacing said power unit from the side wall of said section; externally accessible fastening means passing through the side of said last mentioned section and secured to the adjacent portions of the power unit for detachably holding said section in place on the power unit covering one side thereof and with the power unit in localized contact with said section; other externally accessible fastening means passing through the ends of the other section and detachably securing the other section over the opposite side of the power unit with the walls of said other section spaced from the power unit, whereby either housing section may be detached independently of the other housing section to expose one entire side of the power unit while leaving the same secured in the other housing section; said housing having ventilating openings in its ends to enable cooling air to flow through the housing; and a transmission forming part of said power unit and having a drive coupling element in line with an opening in the adjacent wall portion of the housing to receive the shaft of a member to be driven.
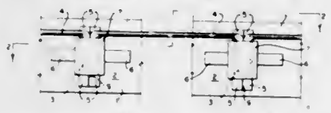
8. In a portable electric motor driven appliance: a hollow motor housing having opposite end walls provided with air ventilating apertures to enable cooling air to circulate through the housing, and being made of a material susceptible to burning at those end wall portions defining the sides and edges of the ventilating apertures when said ends of the housing are impinged by a flame; and a metallic heat absorbing and dissipating member overlying each of said end walls and in contact with one side thereof, said heat absorbing and dissipating members having portions lying directly adjacent to the ventilating apertures whereby said members are capable of absorbing and dissipating sufficient heat from a flame and the apertured wall portions against which it may impinge as to preclude burning of the housing at the apertured portions thereof.

2,582,230

ORTHODONTIC BRACKET

Archie B. Brusse, Denver, Colo., assignor to Rocky Mountain Metal Products Co., Denver, Colo., a corporation of Colorado

Application June 30, 1949, Serial No. 102,377
5 Claims. (Cl. 32—14)



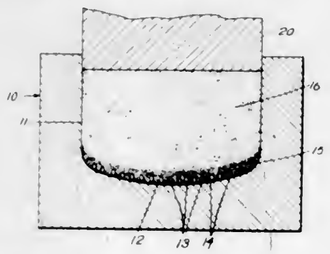
1. An orthodontic bracket comprising a hollow tube having flat inner surfaces forming a substantially rectangular inner passage, said tube comprising a wall having a flat exterior surface adapted to lie flat against a toothband, said wall being virtually solid except for a narrow slot extending throughout its length in a direction parallel to the axis of the tube to allow for expansion and contraction of the tube to enable the tube to resiliently grip an arch wire inserted therein, a pair of welding flanges each extending outwardly from an opposite edge of said slotted wall and in a direction perpendicular to the axis of the tube, a second pair of welding flanges extending from said slotted wall at one end thereof and in a direction parallel to the axis of the tube, and a third pair of welding flanges extending from said slotted wall at the other end thereof and in a direction parallel to the axis of the tube, said slotted wall and flanges all lying in substantially the same plane.

2,582,231

ABRASIVE TOOL AND METHOD OF MAKING SAME

Leo Catallo, Detroit, Mich., assignor to Wheel Trueing Tool Company, Detroit, Mich., a corporation of Delaware

Application February 5, 1949, Serial No. 74,783
4 Claims. (Cl. 51—309)



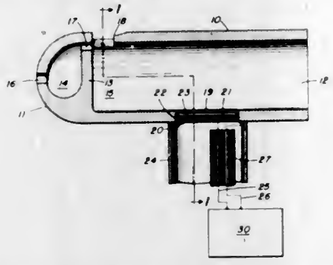
1. A diamond tool comprising a body portion formed of a coherent sintered mass of tungsten and tungsten carbide, diamond particles embedded in a surface of said body portion, and a surface layer of massive tungsten carbide surrounding said diamond particles the massive tungsten carbide in said surface layer having a Vickers hardness number of around 2532 to 2600 and said matrix having a Vickers hardness number of around 276 to 363.

2,582,232

TEMPERATURE-SENSING AND/OR SOUND VELOCITY-MEASURING DEVICE

Richard S. Cesaro and Herbert B. Harris, Cleveland, Ohio

Application September 2, 1949, Serial No. 113,892
2 Claims. (Cl. 73—339)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for sensing the temperature of a flow of gas comprising a body, a pair of chambers in said body, the first of said chambers adapted to limit the velocity of a flow of gas therethrough, the second of said chambers adapted to confine a vibrating column of the gas to be sensed, an opening between said chambers and a port in said second chamber combining to form a whistle, and electronic means for detecting the frequency of vibration of the column of gas in said second chamber set into vibration by said whistle, said electronic means including a variable capacitor formed between a stationary plate and one wall of the body.

2,582,233

ELECTROPLATING COPPER

Allan E. Chester, Highland Park, and Frederick F. Reisinger, Waukegan, Ill., assignors to Poor & Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application April 19, 1947, Serial No. 742,732
25 Claims. (Cl. 204—52)

1. A plating bath comprising an alkaline copper cyanide bath containing in solution a sulfided polyamine resulting from the condensation between one atom of sulfur and two mols of an amino compound.

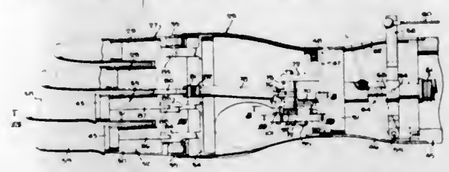
2,582,234

PROSTHETIC HAND

John E. Conzelman, Jr., Sierra Madre, Herbert B. Ellis, La Canada, and Clayton W. O'Brien, Los Angeles, Calif.

Application June 28, 1948, Serial No. 35,634
2 Claims. (Cl. 3—12)

1. A prosthetic device for attachment to an arm stump, comprising an upper casing simulating the upper part of the human hand, a second casing simulating the digital portion of a hand, said casings having mating semi-cylindrical end portions forming a substantially closed joint and being pivotally secured to each other, a plunger in said upper casing reciprocatably movable therein, means for connecting said upper casing to said arm stump, lever means pivotally secured to said arm stump, means connecting said lever means to a muscle motor, means for operably connecting said plunger to said lever



means when said upper casing is connected to said arm stump, and linkage means connecting said plunger to said second casing for flexing said joint in response to movement of said plunger.

2,582,235

SYNTHETIC RESINS FROM MALEIC ANHYDRIDE-ALKYL OLEATE ADDUCT AND AN ALKYLENE DIAMINE

John C. Cowan and Howard M. Teeter, Peoria, Ill., assignors to United States of America as represented by the Secretary of Agriculture

No Drawing. Application July 16, 1948, Serial No. 39,178
6 Claims. (Cl. 260—78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

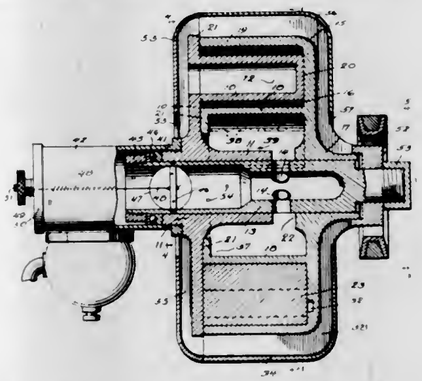
1. A process comprising reacting an adduct with a substantially equimolecular proportion of an alkylene diamine at a temperature of 120° to 225° C. until a flexible, fusible, linear polyamide is formed, said adduct being formed by reacting maleic anhydride with a substantially pure lower alkyl oleate in substantially equimolecular proportions.

2,582,236

SPEED CONTROL MECHANISM

Walton W. Cushman, Webb City, Mo.

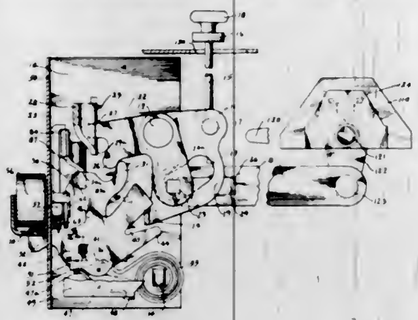
Original application December 14, 1949, Serial No. 132,961. Divided and this application December 19, 1950, Serial No. 201,669
6 Claims. (Cl. 123—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



6. A rotary internal combustion engine including a hollow rotary shaft, a fuel supply casing associated with an open end of the shaft, a butterfly valve mounted in the shaft, spring means connected to the butterfly valve and extending to the exterior of the casing, a bolt threaded to said casing and provided with an axial passage, through which a portion of the spring means

extends, and a bearing fixed to the outer end of the spring means and bearing upon the outer face of the bolt.

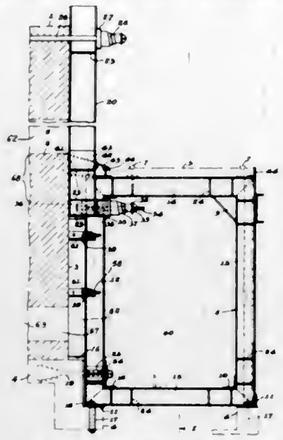
2,582,237
DOOR LOCK
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 8, 1946, Serial No. 653,047
27 Claims. (Cl. 70—153)



1. A door locking mechanism comprising a casing having a roll-back plate extending parallel to the plane of the door and a rotor plate extending along the edge of the door, a latch bolt pivoted on said rotor plate, a dogging lever therefor pivoted on said rollback plate for rocking movement in the plane of the door and having a safety-catch arm extending therefrom through said rotor plate, for cooperation with a keeper and holding the door latched when closed, means for releasing said latch bolt and safety catch arm including a push-button slidably mounted on the outside of the door and a push-button lever engaged thereby and mounted for rocking movement on said rotor plate in a plane perpendicular to the plane of the door, and a second lever pivotally mounted on said rotor plate for movement in a plane parallel to the plane of the door and interposed between said push-button lever and dogging lever for releasably rocking said safety-catch arm upon depression of said push-button.

2,582,238
COKE OVEN BUCKSTAY STRUCTURE
Frederick William Dobson, London, England, assignor, by mesne assignments, to The Woodall-Duckham Vertical Retort and Oven Construction Company (1920) Limited, London, England, a British company
Application March 4, 1947, Serial No. 732,233
In Great Britain March 11, 1946
12 Claims. (Cl. 202—268)

1. The combination with a horizontal coke oven battery comprising an upper masonry mass having horizontal coking chambers alternating in position side-by-side with heating walls, extending between the opposite longitudinal sides of the battery, and a lower masonry mass having gaseous combustion media preheating means below the oven chambers and heating walls and mounted on a battery foundation, of external bracing means for the opposite longitudinal sides of the battery, such means comprising buckstays which extend only down from the top of the battery at the sides thereof against the ends of the heating walls to the level of, and terminate at their lower ends at, a position below and adjacent the oven soles of the battery, and a rigid structure for each buckstay, said rigid structures each being rigidly secured to the battery foundation in fixed relation thereto, and to the battery, and being constructed independently of the buckstays, and spaced from the vertical side face of the battery, and said buckstays being each anchored to the battery at their upper ends and being each anchored at their

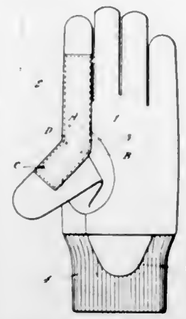


lower ends to the upper parts of the rigid structures which are fixed relative to the oven battery and its foundation, by pressure members for yieldably urging the buckstays into contact with the side of the battery for limited relative movement between the lower ends of said buckstays and the upper parts of said rigid structures.

2,582,239
WATER REPELLENT TREATMENT OF TEXTILES WITH LONG CHAIN SUBSTITUTED PHENOL ALDEHYDE RESIN EMULSION
Charles G. Dodd, Ann Arbor, Mich., assignor to the United States of America as represented by the Secretary of War
No Drawing. Application August 13, 1946, Serial No. 690,349
19 Claims. (Cl. 117—138.8)

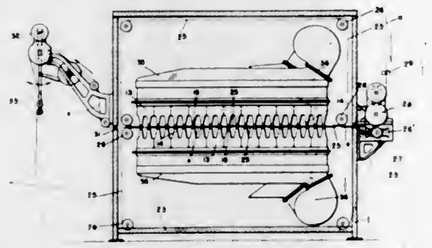
15. The method of forming a continuous deposit of a phenol aldehyde resin on a smooth-fiber thermoplastic synthetic resinous fabric selected from the group consisting of polyamide fabric and vinyl polymer fabric, comprising forming a substituted phenol aldehyde condensate by dissolving in a water-soluble alcohol a phenol having as its sole substituent a saturated aliphatic side chain of at least 12 carbon atoms of the configuration $CH_3(CH_2)_x.Y$— wherein x is at least 10 and wherein Y is selected from the —CH_2— group attached in the meta position to the phenol ring and the —CO— group attached to the phenol ring, and an excess of a substance capable of yielding a reactive methylene group, said substance being a member selected from the group consisting of formaldehyde, formaldehyde polymers and hexamethylene tetramine, heating said solution until said phenol and said substance are partially condensed, then evaporating a major part of said alcohol, then adding an inert organic water-immiscible solvent, and emulsifying the solution in a hot alkaline water solution, coating said fabric with said condensate from said emulsion, and curing the coated fabric at an elevated temperature below the softening point of said fabric, whereby a continuous water-insoluble and strongly fabric-adhesive deposit is formed on said fabric.

2,582,240
GLOVE
Léonce Dumas, Lausanne, Switzerland
Application May 11, 1948, Serial No. 26,369
In Switzerland May 24, 1947
3 Claims. (Cl. 2—161)



1. In a glove for use in sport and for like purposes having a thumb body insert terminating in a circumferential edge with a plurality of spaced pointed ends cut to conform said edge to the anatomically shaped thumb of the wearer's hand and affixed to the remaining glove body by means of stitching and further including a crotch between said thumb body and said remaining glove body; a substantially rectangular-shaped reinforcement piece having a width for covering said pointed ends and having a length extending across said crotch and along adjacent portions of said thumb body and of said remaining glove body facing each other, and stitch means attaching said reinforcement piece in place to thereby cover said pointed ends and said stitching adjacent the latter, said stitch means extending along the circumference of said reinforcement piece and independently of said stitching.

2,582,241
DRYING MACHINE FOR FABRICS
Julien Dungler, Basel, Switzerland
Application August 31, 1946, Serial No. 694,275
In France May 22, 1946
1 Claim. (Cl. 34—156)



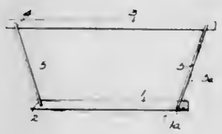
A drying machine for treating lengthy fabric and similar sheet and web material, comprising a heat-insulated housing having an inlet and an outlet for said material, two horizontally extending substantially parallel and spaced apart casings extending between said inlet and said outlet, said casings being provided with opposedly arranged spaced nozzles facing each other, means for blowing air through said nozzles and connected to said casings, respectively, heating means for said air, endless perforated flat belt means spaced from each other and conducted within the space between said nozzles for guarding said material, said material being maintained in a substantially floating and suspended state between said belt means when said air impinges through the latter upon said material, and means without said housing for regulating tension of one of said belt means, whereby the latter prevent contact of said material with said nozzles.

2,582,242
CAST FOR ORTHOPEDIC USE
James Joseph Eberl, Piscataway Township, Middlesex County, N. J., assignor to Johnson & Johnson, a corporation of New Jersey
Application November 29, 1947, Serial No. 788,970
6 Claims. (Cl. 128—90)



3. The process of applying to a body an orthopedic cast characterized by having a base comprising a light weight porous fabric impregnated with ethyl cellulose, the steps of activating said ethyl cellulose in the fabric by wetting with a solvent composition that is liquid at normal room temperatures, boils in the range of 35–85° C., and comprises a major proportion of chlorofluoroparaffin and a minor proportion, less than 15 per cent by weight of said solvent composition, of an alcohol solvent for said chlorofluoroparaffin and said ethyl cellulose and applying said impregnated and activated fabric to a body, permitting said solvent composition to evaporate from said fabric.

2,582,243
COLLAPSIBLE DISPLAY STAND
Guy R. Eide, Detroit, Mich.
Application April 1, 1949, Serial No. 85,010
8 Claims. (Cl. 211—148)



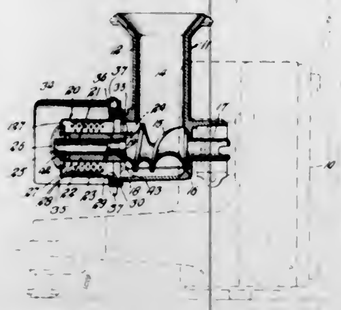
1. A collapsible display stand including an upper and a lower shelf, said shelves having slots formed in their opposed sides, each slot in the upper shelf being slightly out of alignment with one slot in the lower shelf, somewhat flexible supports extending between the shelves, the upper extremity of each support engaging one slot in the upper shelf and its lower extremity engaging the slot in the lower shelf which is slightly out of alignment with the slot engaged by its upper extremity, and said supports being sprung in opposite directions by the misalignments of the two pairs of slots into binding engagement with the sides of the latter.

2,582,244

GRATER HAVING ROTATABLE FEED MEANS

Lars Johan Faith-Ell, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden

Application October 17, 1947, Serial No. 780,541
In Sweden October 18, 1946
12 Claims. (Cl. 146—177)



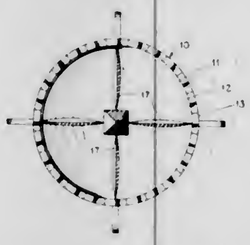
1. In combination with a food grinder having a housing provided with an opening and a rotatable feed worm arranged therein for advancing food toward the opening, of a grater comprising an apertured jacket formed with grating teeth which is adapted to be attached at one end to the housing at the opening, the opposite outer end of said jacket having a wall portion, a rotatable grater part in said jacket and cooperating therewith, said grater part having a shaft member projecting from an end thereof which is rotatably supported at the outer wall portion of said jacket, the end of said grater part from which said shaft member projects having a radially extending wall abutting the outer wall portion of said jacket, said grater part at such radially extending wall being formed with a recess having a peripheral surface which is of less diameter than that of the greater part and openly exposed to said shaft member to provide an open space or void therebetween when operation of the grater is initially effected, said grater part being adapted to be coupled to and cooperating with the feed worm.

2,582,245

SERVICE DISH FOR FRUIT

Arthur John Folli, Chicago, Ill.

Application October 11, 1948, Serial No. 53,830
3 Claims. (Cl. 169—15)



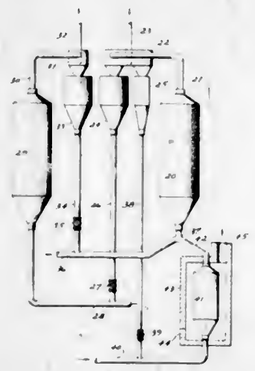
1. In combination with a bowl having a wall of even thickness provided with an inner surface substantially defining a hemi-spherical cavity; a plurality of inverted V-shaped teeth having their apexes in radial alignment spaced consecutively in concentric arrangement on the upper edge of said wall of even thickness; a quadrangular pyramidal stud formed integrally within said cavity and extending upwardly to the plane of the apexes of said teeth; a plurality of upwardly and outwardly projecting ribs of inverted V-shaped cross section, each rib extending from a side of said pyramidal stud and terminating at the plane of the apexes of said teeth; a plurality of leg flanges extending outwardly and downwardly from the outer surface of said wall of even thickness, each of said flanges arranged in radial alignment with its respective rib within said cavity.

2,582,246

PROCESS FOR CARRYING OUT ENDOTHERMIC AND EXOTHERMIC REACTIONS

Paul W. Garbo, Freeport, N. Y., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey

Original application September 7, 1947, Serial No. 552,977. Divided and this application January 2, 1948, Serial No. 40
3 Claims. (Cl. 196—52)



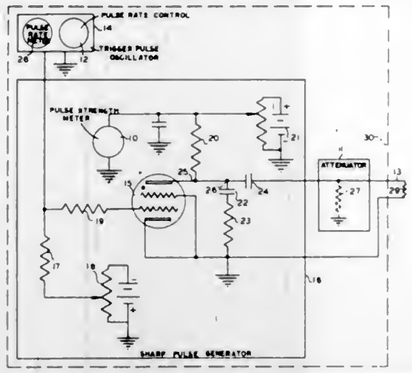
1. In an endothermic process for the conversion of hydrocarbons in the presence of a dense phase fluidized bed of catalyst, said catalyst being characterized by loss of activity upon heating to an elevated deactivation temperature, the improvement in supplying heat to the conversion zone which comprises continuously introducing to the conversion zone said comminuted catalyst and a particulate inert solid thermophore which is high in specific heat, specific gravity, and thermal conductivity and which has a response to a non-gravitational field of force different from that of said catalyst, fluidizing a mixture of said catalyst and said thermophore together in the reaction zone as a dense phase fluidized bed by passing a hydrocarbon stream in gaseous form through said mixture into contact with the catalyst to effect conversion of said hydrocarbons, continuously withdrawing a mixture of said catalyst and said thermophore from said conversion zone, separating said thermophore from said catalyst in said mixture by subjecting said mixture to the action of a field of force other than gravitation to which the solids have different response, regenerating said separated catalyst at an elevated temperature below the deactivation temperature of said catalyst, heating said separated thermophore to a temperature above said deactivation temperature of said catalyst by combustion of an extraneous fuel, and reintroducing the thus heated thermophore together with the regenerated catalyst into the conversion zone.

2,582,247

STANDARD IMPULSE NOISE GENERATOR

Hunter C. Goodrich, Jr., Detroit, Mich.

Application October 16, 1945, Serial No. 622,640
3 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



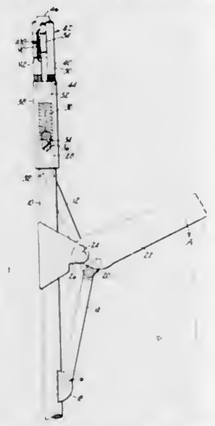
1. An electronic pulse generator comprising a gaseous discharge tube having at least a cathode, a control grid receptive of trigger pulses, and a plate; a plate voltage supply, a high resistance connecting said plate voltage supply to said plate; a first capacitor-resistor discharge circuit connected between said plate and said cathode of small capacity and resistance and having a very short time constant whereby a very sharp pulse is produced upon discharge through said tube, and a second capacitor-resistor discharge circuit connected between said plate and said cathode of larger capacity and resistance and having a longer time constant whereby said discharge is substantially quenched.

2,582,248

MANUALLY OPERABLE TOOL FOR INSTALLING TUBULAR RIVETS

Sylvester L. Gookin, Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application March 29, 1949, Serial No. 84,016
6 Claims. (Cl. 218—19)



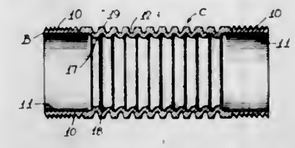
1. In a riveting tool of the type in which an anvil portion braces a tubular rivet against the upsetting movement of a mandril, a main body arranged for movement relative to said anvil portion, cooperative mandril gripping jaws within said body and individually movable lengthwise thereof, only one of said jaws having a pivotal connection with the body by which to swing into and out of mandril gripping relation, and means for retracting the body from said anvil portion, said retracting means being effective through said pivotal connection to cause said one jaw to cooperate in gripping and tensioning the mandril.

2,582,249

FLEXIBLE COUPLING

Joseph A. Hendel, Queens Village, N. Y.

Application January 7, 1948, Serial No. 881
2 Claims. (Cl. 285—90)



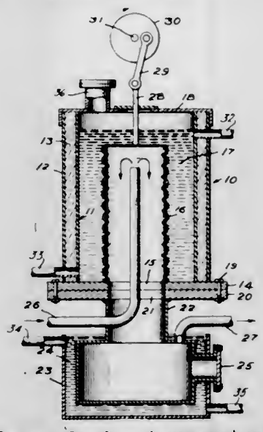
1. A tubing connection of limited flexibility for use in plumbing in connection with liquid or gas lines to permit of and accommodate slight misalignments and enable ready connection between adjacent tubing ends comprising threaded end portions and a relatively thick-walled corrugated intermediate section, the corrugations including external grooves of truncated V-shaped formation with the bottoms of said grooves being flat and the sloping side walls of said grooves being straight in cross section, the internal ribs corresponding to said grooves being rounded in cross section.

2,582,250

CONDENSER AND METHOD OF CONDENSING

Emanuel B. Hershberg, West Orange, N. J., and August I. Ryer, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

Application October 6, 1947, Serial No. 778,168
7 Claims. (Cl. 62—172)



1. A condenser for low temperature, high vacuum condensation which comprises a substantially closed flexible envelope providing a condensing chamber sealed with relation to the external atmosphere and having an internal condensing surface, said envelope being constructed and arranged to substantially maintain its shape under a pressure drop of at least about one atmosphere thereacross, means providing a sump communicating with said envelope, gas inlet and

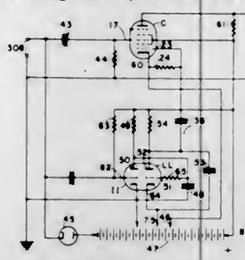
gas outlet means communicating with said envelope, means for cooling said envelope, and means external to said envelope for flexing said envelope.

2,582,251

PULSE WIDTH DISCRIMINATOR

Conrad H. Hoeppner, Washington, D. C.

Application August 3, 1945, Serial No. 608,806
5 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928: 370 O. G. 757)



1. A pulse width discriminator comprising, a differentiating circuit having a time constant suitable to produce responsive to the trailing edges of incoming pulses, pulses having an amplitude which vary exponentially as the duration of said incoming pulses, saw-tooth generating means operative responsive to incoming pulses to produce pulses the amplitude of which increases continually for the duration of said incoming pulses, vacuum tube amplifying means having an input terminal to which the output from said differentiating circuit is applied, operative to amplify only those of said trailing edge pulses which exceed a first predetermined amplitude, and pulse generating means coupled to said amplifying means to supply disabling impulses thereto, said last named means being connected to receive and to respond to the output pulses from said saw-tooth generating means exceeding in amplitude a second predetermined amplitude to produce such disabling impulses.

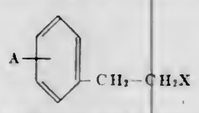
2,582,252

2-ALKOXYPHENETHYL-6-CARBOXYCYCLOHEXENE-1-ONE-3 ESTERS AND PROCESS FOR PREPARING SAME

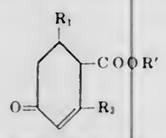
John A. Hogg, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application September 15, 1947, Serial No. 774,171
10 Claims. (Cl. 260—473)

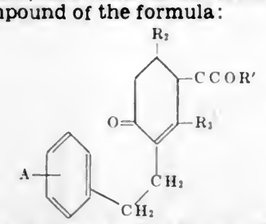
1. The process which includes: reacting at a temperature between about 80 degrees and about 150 degrees centigrade, a phenethyl halide of the formula:



wherein A is an alkoxy group and wherein X is a halogen atom, with a cyclohexenone of the formula:



wherein R_1 is selected from the group consisting of hydrogen and lower-alkyl, wherein R′ is an alcohol radical, and wherein R_3 is alkyl in the presence of an alkali condensing agent selected from the group consisting of alkali metals, alkali metal amides, and alkali metal alkoxides, to produce a compound of the formula:



wherein the letters A, R_1, R_3 and R′ have the values given for the starting reactants.

9. 1 - methyl - 2 - (m-methoxyphenethyl) -5-isopropyl-6-carbethoxycyclohexene-1-one-3.

2,582,253

SYNTHETIC ESTROGENS

John A. Hogg and Alan H. Nathan, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application September 26, 1949, Serial No. 117,949
3 Claims. (Cl. 260—520)

1. A compound selected from the group consisting of 2-methyl-3-ethyl-4-(para-anisyl)-Δ^3-cyclohexenecarboxylic acid, and 2-methyl-3-ethyl - 4 -(para-anisyl)-Δ^4-cyclohexencarboxylic acid, and alkali-metal salts thereof.

2,582,254

TREATMENT OF SILICA-ALUMINA CONTAINING GELS

Edward A. Hunter, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 7, 1949, Serial No. 92,071
7 Claims. (Cl. 252—455)

1. A process for the impregnation of an anhydrous inorganic gel with a metal oxide which comprises contacting a moist inorganic gel with an organic solution of the desired metal alkoxide hydrolyzing the metal alkoxide with the moisture contained in the inorganic gel in order to impregnate said gel with the hydrous oxide of the alkoxide metal and then separating the impregnated inorganic gel.

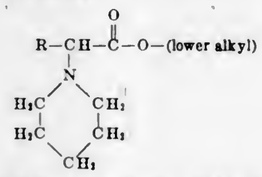
2,582,255

ESTERS OF ALPHA-PIPERIDINO ALIPHATIC ACIDS AND THEIR PRODUCTION

Eldon M. Jones, Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application September 15, 1950, Serial No. 185,163
10 Claims. (Cl. 260—294.3)

1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula,



where R is a straight chain alkyl radical containing five to eight carbon atoms inclusive.

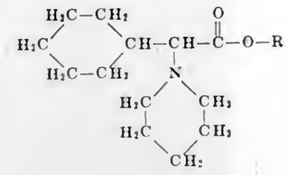
2,582,256

ESTERS OF ALPHA-PIPERIDINO ALPHA CYCLOHEXYL ACETIC ACID AND THEIR PRODUCTION

Eldon M. Jones, Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application September 15, 1950, Serial No. 185,164
6 Claims. (Cl. 260—294.3)

1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula



where R is a member of the class consisting of methyl, ethyl, isopropyl and n-butyl radicals.

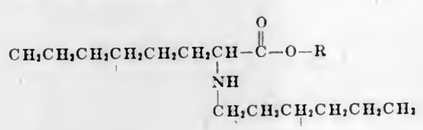
2,582,257

ESTERS AND METHODS FOR OBTAINING THE SAME

Eldon M. Jones, Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application September 15, 1950, Serial No. 185,165
5 Claims. (Cl. 260—404)

1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula,



where R is a member of the class consisting of methyl, ethyl, isopropyl and n-butyl radicals.

2,582,258

PREPARATION OF DEGRADATION OF STEROID AMINES

Percy L. Julian, Maywood, Edwin W. Meyer and Ralph Schroeder, Chicago, Ill., and Arthur Magnani, Wilmette, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application September 17, 1949, Serial No. 116,417
20 Claims. (Cl. 260—397.3)

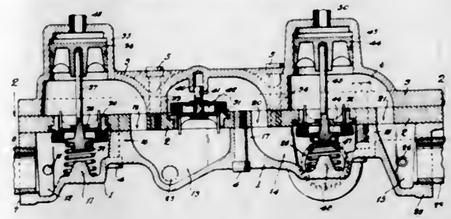
1. The process which comprises converting a primary steroid amine having the amine group attached to a carbon atom carrying a hydrogen atom to a secondary methyl amine by condensing the steroid amine with an aldehyde to form a Schiff's base, treating the Schiff's base with a methyl halide, and hydrolyzing the resulting quaternary halide, treating the secondary amine with hypochlorite to form the monochloramine, removing the elements of HCl from the chloramine and hydrolyzing the resulting imine to form a carbonyl-containing steroid in which the carbon atom initially bearing the —NH_2 group now bears double bonded oxygen.

2,582,259

APPARATUS FOR BUILDING UP AND REDUCING PRESSURE

Harry Koplin and Arthur R. Slate, Chicago, Ill., assignors to Zephyr Laundry Machinery Company, Chicago, Ill., a corporation of Illinois

Application November 4, 1944, Serial No. 562,006
3 Claims. (Cl. 277—70)



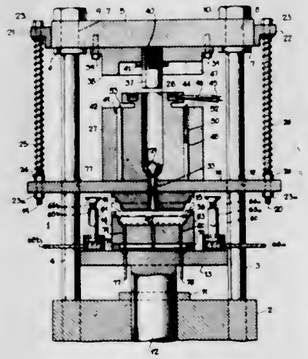
1. In combination in a valve assembly, two housing sections and an intermediate valve plate member and means for fastening the two sections and the plate member together to form a composite valve housing assembly, there being a plurality of valve seats in said valve plate and a plurality of valves arranged to cooperate with said seats and a plurality of cylindrical sections formed in said housing and pistons in said sections one for each of said valves, said housing members forming conduit means whereby fluid is directed from one valve to another and a check valve positioned intermediate said valves and in the path of fluid from one to the other, main inlet and outlet connections to one of said housing sections and a plurality of auxiliary outlet connections to said housing section.

2,582,260

APPARATUS FOR MOLDING THERMOPLASTIC MATERIALS

Louis F. Kutik, East Paterson, N. J., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York

Application January 19, 1949, Serial No. 71,597
4 Claims. (Cl. 18—30)



3. Apparatus for injection molding thermally plasticizable materials, comprising: a press including a power-actuated and elevatable main ram, a ram platen integral therewith, and a stationary press head spaced therefrom and disposed thereabove; a bolster plate displaceably supported from said press head; means interposed between said press head and bolster plate for resiliently maintaining said bolster plate spaced from said press head; a mold including a chase mounted on said platen, and a force plug there-

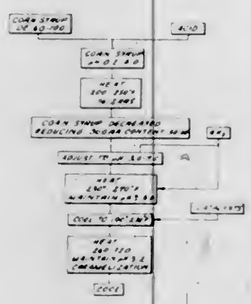
for, supported from said bolster plate; injection means including a plasticizing chamber mounted on said bolster plate, and an injection plunger therefor, mounted on said press head; a plurality of auxiliary hydraulic ram means, each including a cylinder and a piston displaceable therein, means mounting said cylinders on said platen in upstanding position such that the pistons thereof are adapted to engage said bolster plate upon elevation of said platen; means for supplying fluid under a preselected hydraulic pressure to said auxiliary rams; said bolster plate being normally so positioned as to maintain said auxiliary ram pistons spaced therefrom, and to maintain said force plug spaced from said chase, and said injection plunger spaced from said plasticizing chamber; means for elevating said main ram and platen, thereby to elevate said chase toward said force plug until the latter slightly enters the chase, said auxiliary ram pistons thereupon engaging said bolster plate and elevating the same concurrently with said platen, thereby to prevent further entry of said force plug into said chase, while causing said injection plunger to enter said plasticizing chamber, to inject a charge of plasticizable material into the mold cavity formed between the force plug and chase; means responsive to further elevation of said main ram and platen for arresting further elevation of said plasticizing chamber and bolster plate, said auxiliary ram pistons being thereupon depressed into their respective hydraulic cylinders against said hydraulic pressure applied thereto, thereby to permit said force plug to enter said chase to the full depth required to mold the plasticized material injected into the mold cavity into the configuration of the opposed surfaces of the chase and force plug.

2,582,261

CARAMEL COLOR MANUFACTURE

Joseph B. Longenecker, Granite City, Ill., assignor to Union Starch & Refining Company, Columbus, Ind., a corporation of Indiana

Application January 13, 1950, Serial No. 138,358
7 Claims. (Cl. 127—34)



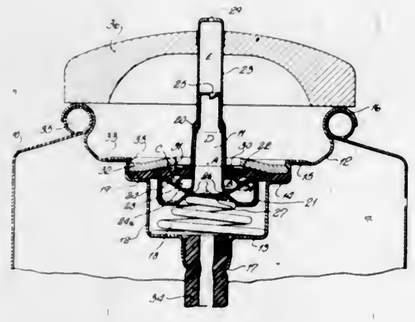
1. The process of producing a new caramel color of high acid stability which comprises pretreating a carbohydrate syrup which has a reducing sugar content calculated as dextrose of 60 to 100% by acidifying the said syrup to a pH of 0.2–4.0 and heating the acidified syrup to a temperature of 200 to 250° F. for a period of ¼ to 2 hours to substantially decrease the reducing sugar content, adding an alkaline reagent selected from the group consisting of ammonia and ammonium compounds to increase the pH to 3 to 7.5 and caramelizing the resulting syrup while maintaining the acidity thereof above pH 2.0.

2,582,262

DISPENSING APPARATUS

Nils Otto Loven, Monroe, and John Thomas Efford, Stratford, Conn., assignors to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut

Application November 10, 1947, Serial No. 785,158
8 Claims. (Cl. 299—95)



2. A dispensing valve assembly including a flexible gasket having a hole therethrough and an extended area around said hole to form a flexible diaphragm, a substantially cup-shaped member positioned on the inner side of said gasket and having a rim seating against said inner side within the periphery of said extended area, a stem member connected with said cup-shaped member and projecting through said hole and of such length as to extend a substantial distance beyond the outer side of said gasket, said stem member having clamping means engaging with and pressing on the inner side of said gasket at a location radially spaced inwardly from said cup member's rim, and a tubular member positioned on the outer side of said gasket and encircling said stem member and having clamping means pressing on the outer side of said gasket so that said gasket is clamped between both said clamping means, said stem member and said tubular member being tightly and firmly interfastened by frictional force in a normally permanent manner, said tubular member being of such length as to extend a substantial distance beyond said stem member from the outer side of said gasket and having a discharge orifice spaced beyond said stem and being otherwise closed to form a chamber beyond said stem member, said assembly providing a passage extending from the space formed within said cup-shaped member's rim and the inner side of said gasket to said chamber, said gasket being free to flexibly twist to permit tilting of said cup-shaped member's rim relative to the inner side of said gasket when tilting force is applied to said tubular member, said passage being formed by a slot formed in the outer surface of said stem member and extending longitudinally along said stem member.

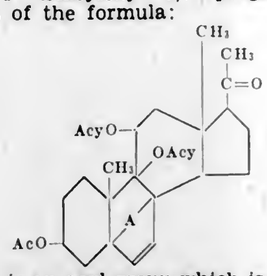
2,582,263

HYDROLYSIS OF STEROID EPOXIDES

Paul E. Marlatt, Arthur R. Hanze, A Vern McIntosh, Jr., and Robert H. Levin, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application September 28, 1950, Serial No. 187,364
8 Claims. (Cl. 260—239.55)

1. A 3,9,11 - triacyloxy - 5,7 - pregnadien - 20-one adduct of the formula:



wherein Ac is an acyl group which is the residue of an unsubstituted monocarboxylic organic acid containing from one to eight carbon atoms, inclusive, wherein Acy is an acyl group which is the residue of a lower-aliphatic organic acid containing from one to eight carbon atoms, inclusive, and wherein A is the adduct radical of a dienophile selected from the group consisting of maleic acid, maleic anhydride, and maleic acid diesters containing from one to eight carbon atoms, inclusive, in the esterifying groups.

2,582,264

SOFTENING AGENT FOR RUBBER AND RESULTANT RUBBER COMPOSITION

Frank M. McMillan and De Loss E. Winkler, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 25, 1949, Serial No. 101,503
9 Claims. (Cl. 260—761)

1. A rubber softening composition comprising from about 15 to 60% naphthenic acids, at least 15% of an aromatic petroleum derivative, and from 0 to 50% of a neutral petroleum oil, said aromatic petroleum derivative having a viscosity of at least 10 cs. at 210° F., softening below 200° F., and having a specific gravity (d_4^{20}) of from 0.9 to 1.05.

2,582,265

SYNTHETIC RESINS FROM NATURAL POLYHYDROXY PHENOLS

Kenneth Potter Monroe, Boston, Mass., assignor to Standard Dyewood Company, Medford, Mass., a corporation of Massachusetts

No Drawing. Application July 14, 1950, Serial No. 173,941
11 Claims. (Cl. 260—47)

6. As a new composition of matter, a carboxy-alkyl aralkyl ether of a catechol type of tanning agent, the carboxy-alkyl group thereof containing two to three carbon atoms.

2,582,266

SYNTHETIC RESINS FROM NATURAL POLYHYDROXY PHENOLS

Kenneth Potter Monroe, Boston, Mass., assignor to Standard Dyewood Company, Medford, Mass., a corporation of Massachusetts

No Drawing. Application July 14, 1950, Serial No. 173,942
9 Claims. (Cl. 260—54)

6. As a new composition of matter, an aralkyl ether of a formaldehyde condensation product of a carboxy-alkyl ether of a member of the group of catechol type of tanning agents, one to two of the phenolic hydroxyl groups of said tanning agent being etherified by aralkyl radicals and the remaining phenolic hydroxyl groups being etherified by carboxy-alkyl radicals, the latter containing two to three carbon atoms.

2,582,267

CONDUCTOR PROTECTOR

Albert J. Moore, Watchung, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey

Application July 2, 1948, Serial No. 36,669
1 Claim. (Cl. 173—273)



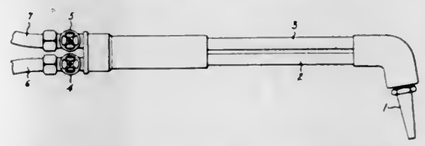
A stamped blank formed of a thin sheet of springy copper for use in forming a metallic shield for a conductor and which in its finished form includes a split cylinder with flanges outstanding from the split, said blank comprising a body portion having parallel long sides and at each end a wing having less width than the body portion, and a narrow neck connecting each wing with the adjacent part of the body portion, the body portion along its longitudinal medial portion providing a strip adapted to be rolled into a cylinder, leaving the side portion therebeyond to form flanges, the edges of the wings being beaded, and each wing provided on opposite sides of the longitudinal medial axis of the blank with slots formed by two parallel and a connecting slit, and the material within each slot bent out of the plane of the associated neck and extending at an angle to the material surrounding the same to form a resilient latch spaced from the edge of the associated wing.

2,582,268

METHOD OF WELDING

Anthony J. Nerad, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York

Application November 30, 1948, Serial No. 62,663
3 Claims. (Cl. 113—112)



1. The method of welding a metal and simultaneously providing a protective flux layer over the weld area which comprises applying a burning mixture of diborane and an oxygenous atmosphere to the portion of the metal to be welded.

2,582,269

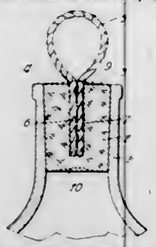
STOPPER PULL

John Oftedahl, Antioch, Ill.

Application October 30, 1948, Serial No. 57,468
2 Claims. (Cl. 215—55)

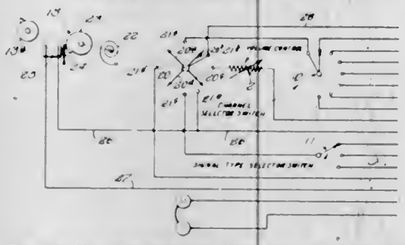
1. A bottle stopper provided with a pull member, the stopper being a body of compressible material, and the pull member being a pair of wires

twisted together with a filler of fibers squeezed between and projecting from opposite sides of said twisted wires along the length thereof, said fiber-bearing twisted wire being doubled on itself and the two free end portions thereof being inserted into said body from one end thereof to points short of the other end thereof, said inserted por-



tions of said pull member being resiliently gripped by and adhesively bonded to the stopper, the portion of said fiber-bearing wire which projects from said stopper body being formable into a loop in which the fiber material provides a cushion whereby the loop may be comfortably engaged with a finger for the purpose of pulling the stopper out of the mouth of a bottle.

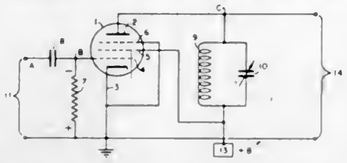
2,582,270
CONTROL APPARATUS
Roy H. Olson, Marion, Iowa, assignor to Collins Radio Company, a corporation of Iowa
Application January 12, 1945, Serial No. 572,539
4 Claims. (Cl. 250—20)



3. In radio apparatus having a plurality of spaced control units operatively connected to the radio apparatus, control means for each unit including: means for rendering the unit operative to control the radio apparatus and for simultaneously rendering a previous operative control unit inoperative, this means comprising a switch, spring means urging said switch toward one position, latch means for holding said switch away from said position, manually operative release means for releasing said latch means, and separate electrically operative release means for releasing said latch means, the electrically operative release means in all of the control units being interconnected and each switch including contacts operating all of said electrically operative release means upon moving of said switch manually to a position rendering its control unit operative.

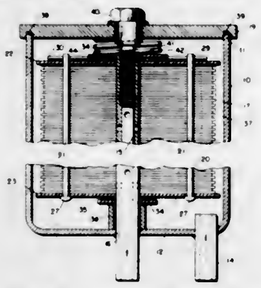
2,582,271
WAVE FORM CONVERTER
Robert M. Page, Washington, D. C.
Application July 3, 1946, Serial No. 681,269
4 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A sine wave generator consisting of a single normally conducting vacuum tube having at least a plate, a grid and a cathode, a circuit tuned to the desired frequency of the sine wave connected in the path of current flow through the tube, a source of positive, rectangular, pulse signals having a repetition frequency corresponding to the desired frequency of the sine wave, and



coupling means feeding the positive, rectangular, pulse signals directly to the grid of the vacuum tube, said coupling means comprising a capacitance-resistance circuit having a time constant slightly less than the period between the pulse signals.

2,582,272
FILTER PACK
Clarence T. Pamp, Jr., Shanks Village, N. Y., assignor, by mesne assignments, to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application September 20, 1947, Serial No. 775,223
8 Claims. (Cl. 210—169)

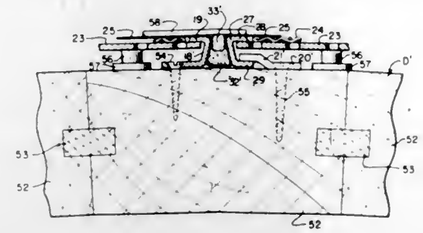


3. A filter pack comprising two forms of filter discs alternately arranged in superimposed relation with the discs of the same form being in alignment with each other, the discs of both forms having a central aperture; one form of discs having a plurality of circumferentially spaced recesses extending radially outwardly from its said central aperture, having two concentric zones of slots, and having a circular zone of openings intermediate said zones of slots; and the other form of discs having a plurality of circumferentially spaced radially extending slots overlying a portion of said recesses and extending across said zones of slots of said first described form of discs, having two concentric zones of slots at least partially overlying the slots of said concentric zones of slots of said first described form of discs, and having a circular zone of slots overlying said circular zone of openings of said first described form of discs.

2,582,273
FILTER
C. Lynn Peterson, Eugene Kroff, and Clarence J. Peterson, Salt Lake City, Utah, assignors, by mesne assignments, to General American Transportation Corporation, a corporation of New York
Application November 22, 1946, Serial No. 711,726
8 Claims. (Cl. 210—202)

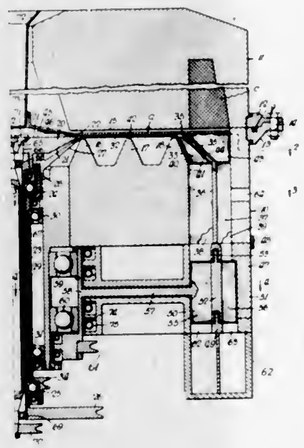
1. In a filter, a supporting deck divided into sections by longitudinally extending lip members

attached thereto; fastening lug hooks attached to said deck adjacent said lip members and facing in the same direction; a filter medium support for each deck section and including a perforated plate, one edge of which is adapted to fit under the lip of said lip member and provided at its opposite



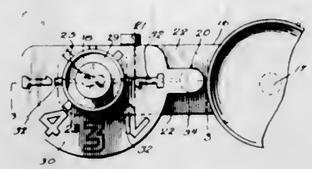
edge with a longitudinally extending lip member adapted to engage the corresponding hooks when the plate is moved in one direction; a filter medium carried by each said support section; and wedging means for retaining said filter mediums in position and preventing movement of the support sections in the opposite direction.

2,582,274
MAGNETIC SEPARATOR
René Planiol, New York, N. Y., assignor to Pluro, Inc., New York, N. Y., a corporation of New York
Application September 21, 1945, Serial No. 617,711
23 Claims. (Cl. 209—223)



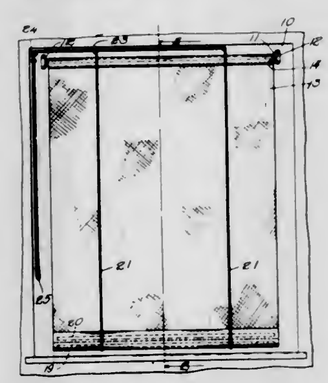
1. A magnetic separator, comprising an electromagnet having an annular air gap with a lower pole of higher flux density and an upper pole of lower flux density, a feed rotor encompassed by said poles and at level slightly higher than that of the lower pole, non-magnetic rotary shield plate over said lower pole, and an interceptor ring encompassing said lower pole and having an upper edge substantially at the level of said rotary shield plate, and collectors below said interceptor ring and at opposite sides thereof, respectively, for the magnetic and the non-magnetic components.

2,582,275
ADJUSTABLE LETTERING PEN FOR SCRIBERS
James L. Poetzsch, Baltimore, Md.
Application January 9, 1950, Serial No. 137,499
4 Claims. (Cl. 33—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



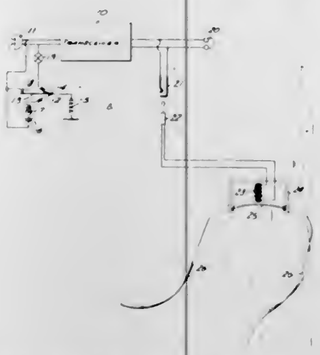
1. Scriber attachment comprising in combination: a dial, means for non-rotatably connecting said dial to a scriber arm, said dial having a central aperture and a plurality of indicia surrounding said aperture, and a lettering pen insertable in said aperture for mounting on said scriber arm at a plurality of predetermined angles relative to said scriber arm, said pen comprising a tubular body, a delivery nozzle having an elongated non-circular perimeter, and indicia means on said body registrable with said indicia on said dial for indicating the angle of said pen relative to said arm; whereby said pen delivers vertical and horizontal strokes of predetermined widths corresponding to the predetermined angle indicated by said indicia means.

2,582,276
PORCH SHADE
Frank M. Powers, River Forest, Ill.
Application May 16, 1949, Serial No. 93,533
6 Claims. (Cl. 160—243)



1. A porch shade, comprising: a headrod adapted to be secured to the upper framework of a porch; a sheet of pliable material suspended from said headrod; a plurality of parallel, substantially rigid members secured to and extending substantially entirely across said sheet of pliable material adjacent its lower end portion, said members being spaced apart longitudinally of said sheet and the space between said members being only sufficient to permit any member to swing about the next higher member and lie beside it to form a compact composite core about which the sheet rolls; and a draw cord adapted to raise the sheet by rolling it about said rigid members when the free end of the cord is pulled.

2,582,277
PERSON ALERTING DEVICE
Neil C. Powlison, United States Army, Council Bluffs, Iowa
Application February 12, 1946, Serial No. 647,181
1 Claim. (Cl. 343—225)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

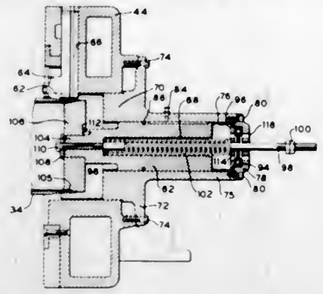


A person-alerting device for the uses described comprising a U-shaped frame having the extremities of its arms spaced to butt against opposite sides of the arm of a person so that the frame may be arranged with its arms so butted against the arm of a person and with the bight portion of the frame spaced outwardly from and in a plane at right angles to such arm of a person, a magnetic diaphragm set between and extending across the space between the extremities of said arms of the frame and bowed inwardly toward the bight of said frame so as to approximate the segment of a cylinder positioned to lie with a concave side next to the skin of the arm of a person when such arm is positioned at the ends of said arms of said frame at right angles to the plane of the frame, an electromagnet mounted between the bight of the frame and said diaphragm with a polar part in magnetically effective spaced relation to the diaphragm so as to oscillate the latter under fluctuated energization of the magnet, releasable arm-encircling means connected with the ends of said arms of the frame constructed to engage around a person's arm presented against the ends of said arms of the frame, to secure the frame upon an arm of a person with the diaphragm in position to concuss a so-positioned arm under fluctuation of current in the magnet, and means to connect the magnet electrically across the output of a radio receiver.

2,582,278
PROCESSING RUBBER
Spencer S. Prentiss, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application September 27, 1948, Serial No. 51,477
8 Claims. (Cl. 260—761)

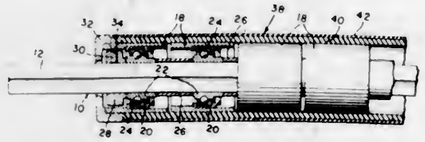
1. In the process of breaking down and mixing a vulcanizable rubber selected from the group consisting of natural rubber, polymeric diolefins and copolymers of diolefins and comonomers containing the terminal group $CH_2=C<$ into a rubber milk prior to molding and vulcanizing said mix, that improvement which comprises adding to said rubber from 0.2 to 2 parts per 100 parts of rubber of a disalicylal-ethylenediimine-cobalt.

2,582,279
CENTERING DEVICE FOR PIPE-THREADING MACHINES
Charles A. Reimschissel and Harry E. Davies, Waynesboro, Pa., assignors to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application March 12, 1946, Serial No. 653,902
4 Claims. (Cl. 10—107)



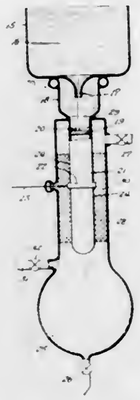
1. In combination with a pipe-threading machine having an axially movable non-rotatable die head and means for rotatively supporting a pipe at one end remote from the die head and in axial alignment therewith; a bracket fixed to the die head, said bracket having a hollow cylindrical extension, and means for centering the other unsupported end of the pipe with relation to the die head, comprising a plunger rotatably and reciprocably journalled in said hollow extension in said bracket co-axially with the die head for axial movement with and independently of said head, centering means, means removably securing said centering means to the forward end of the plunger to internally engage the pipe wall at its unsupported end in the advancing movement of the die head and establish a concentric relationship between said pipe end and the die head, and resilient means coacting with said bracket and said plunger and operative upon initial contact of the centering means with the pipe end to yieldingly resist axial movement of the plunger with respect to the die head and apply an axial yielding pressure to the plunger, progressively urging said centering means into the pipe end independently of the die head in the continued advancing movement thereof.

2,582,280
CURVED EXPANDER ROLL
John D. Robertson, Taunton, Mass.
Application August 30, 1948, Serial No. 46,779
6 Claims. (Cl. 26—63)



1. An expander roll for flexible sheet material, comprising a stiff longitudinally curved shaft, a series of generally cylindrical roll sections rotatably mounted on the curved shaft in slightly spaced relation, a tube of resiliently flexible material resiliently engaging around all of the said roll sections and bridging the spaces between roll sections, said tube being composed of a plurality of separable tubes arranged one within another, of which the outer tube has relatively thin walls of resiliently flexible material and is mountable on the adjacent tube by an inside-out inverting of the outer tube on the adjacent tube.

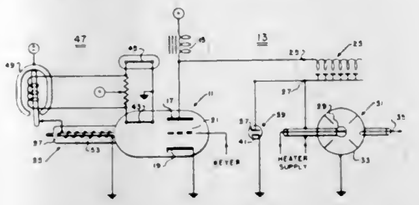
2,582,281
ELECTRIC FIELD HEAT-TREATMENT OF LIQUIDS
John W. Robertson, Englewood, N. J., assignor, by direct and mesne assignments, of one-half to Ellis-Foster Company, a corporation of New Jersey, and one-half to Montclair Research Corporation, a corporation of New Jersey
Application April 12, 1946, Serial No. 661,793
6 Claims. (Cl. 219—47)



1. Apparatus for heating a liquid that is a relatively poor conductor electrically which poor conductor has the electrical conducting properties of an aqueous sodium chloride solution of from .04% to .10% and is a liquid that will not heat effectively as a dielectric because of its electrical conducting properties and will not heat effectively by induction because of its electrical insulating properties, which apparatus comprises a film forming member having a surface of extended area of a material that is conducive to surface heating effects in the liquid under conditions of use, a heating zone in which said member is placed, means for flowing said liquid as a film over the surface of said member of extended area, and means for subjecting said film in a high frequency electric field to high frequency power at high voltage to heat the liquid by skin effect phenomena, said last named means including a single electrode only which electrode is adjacent said member of extended surface area and through which power is supplied.

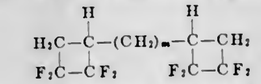
2,582,282
GASEOUS DISCHARGE DEVICE
Jerome Rothstein, Belmar, N. J., assignor to the United States of America as represented by the Secretary of the Army
Application November 3, 1950, Serial No. 193,997
1 Claim. (Cl. 313—174)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In combination, a gaseous discharge device containing a predetermined gaseous medium at low pressure, a reservoir connected to said device containing said predetermined gaseous medium at a higher pressure, a diffusion wall between said media, and heating means for said diffusion wall to vary the diffusion rate, whereby clean-up of said low pressure medium by operation of said discharge device may be compensated by operation of said heating means to further supply said medium from said reservoir through said diffusion wall.



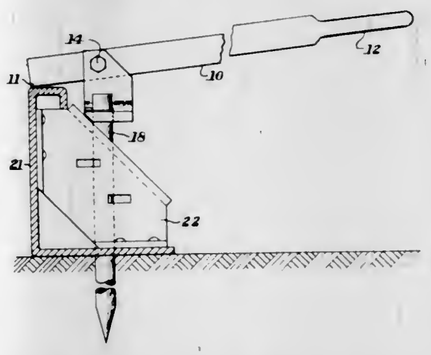
2,582,283
FLUORINE-CONTAINING LUBRICANT
Alexander N. Sachanen, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application August 10, 1950, Serial No. 178,749
4 Claims. (Cl. 260—648)

1. A compound represented by general formula



wherein m is an integer from about ten to about eighteen.

2,582,284
STAKE PULLER
Louis J. Sarosdy, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application April 8, 1946, Serial No. 660,448
8 Claims. (Cl. 254—132)

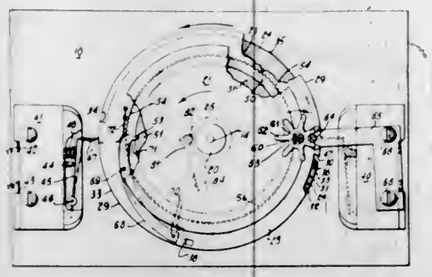


1. A stake puller for a staked road form or the like, comprising in combination, a lever, a rigid bent lug directly connected to said lever so as to be relatively rotatable substantially only in a direction parallel and substantially rigid in a direction transverse to said lever, said lug having a projecting portion spaced from said lever, said projecting portion having an open-ended slot therein, edges forming the said slot being adapted to be slipped around a stake in a direction transverse to the axis of said stake, whereby opposed edges of said slot are adapted to make binding engagement with the sides of said stake without first being passed over the head thereof.

2,582,285
TIMER FOR CAUSING BRIEF ACTUATIONS AT PROLONGED INTERVALS

Eugene L. Schellens, Essex, Conn., assignor to The R. W. Cramer Company, Incorporated, Centerbrook, Conn., a corporation of Connecticut

Application May 7, 1948, Serial No. 25,614
23 Claims. (Cl. 161—1)



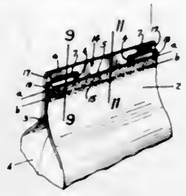
1. A timer for causing at prolonged cyclic intervals brief periods of actuation of an actuable device, comprising in combination, rotors including a first rotor geared from a motive source to rotate continuously at a predetermined speed, the same having a coupling member movably mounted thereon, and a second rotor coaxial with the first, said rotors being combined with gear means whereby the second rotor is rotated continuously at a predetermined speed slightly different from that of the first rotor, providing thereby a greatly reduced differential speed between the rotors; and a rotatable actuator coaxial with said rotors and having a coupling part which by engagement with said coupling member is adapted to be driven from the first rotor at predetermined times, and an actuating part operable from said actuator and adapted thereby to produce brief operations of the actuable device; the said coupling member being mounted on said first rotor in a way to be shiftable between idle and active positions wherein it is non-engageable and engageable respectively with the said coupling part of the actuator, and a control means on the second rotor adapted by reason of the differential rotation of the second relative to the first rotor to cause at predetermined points of time in each cyclic interval a shift of said coupling member first into and briefly thereafter out of its active engageable position; whereby there is caused a predetermined brief rotation of the actuator and an actuation of such device in each prolonged time interval.

2,582,286
BAG CLOSURE

Arthur E. Schenck, Woodhaven, N. Y., assignor to Bemis Bro. Bag Company, Minneapolis, Minn., a corporation of Missouri

Application June 16, 1947, Serial No. 754,987
1 Claim. (Cl. 229—62)

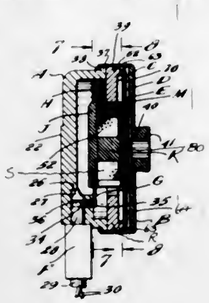
A collapsed gusset bag wherein the top of the bag is composed of front, rear and edge walls and wherein the edge walls are intucked between the front and rear walls, the upper marginal edge portion of the rear wall projecting above the top edge of the front wall to provide an integral closure flap, and the upper ends of the intucked edge walls being disposed at an elevation between the upper edges of the front and rear walls and having substantially triangular portions integral with the edges of the rear wall extending upwardly and outwardly to the ends of the top edge of the rear wall flap and similar portions integral with the edges of the front wall extending downwardly and inwardly to the top edge of the front wall each to a point spaced inwardly from the adjacent side edge of the front wall, said top portion of said collapsed bag having a transverse fold line adjacent to but spaced downwardly from the top edge of said front wall, said front wall having a transverse strip of adhesive extending entirely across said front wall downwardly from said folded line, said adhesive securing said closure flap when said top position of said collapsed bag is folded on said transverse fold line.



2,582,287
ELECTROMAGNETIC EARPHONE

Harry B. Shaper, Astoria, N. Y.

Application April 9, 1948, Serial No. 19,951
4 Claims. (Cl. 179—107)

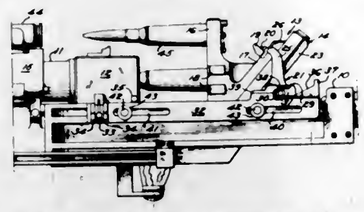


2. An electromagnetic earphone device for a hearing aid of the type adapted to fit into the ear of the user and give high fidelity and amplitude with extremely small space consumption, said device including a central mounting ring, an inside casing member, an outside casing member, a central magnet unit carried by said ring having a split annular permanent magnet, a central permeable cylindrical iron core, and a connection plate upon which said magnet and core are permanently mounted, a metal diaphragm at the opposite side of said magnet unit from said plate, a driving coil substantially filling the space between the annular magnet and central core, an insulating ring mounted on said mounting ring outside of said annular magnet and spring contact fingers mounted on said insulating ring, said spring contact fingers having arcuate elongated base portions mounted on said insulating ring and having upturned bent portions, and connections to said coil from said fingers extending through the split in the annular magnet, the inside casing member providing sound chambers, one on each side of said diaphragm, resulting from the space mounting of the diaphragm between the mounting ring and the inside casing member.

2,582,288
BREECH OPERATING MECHANISM FOR AUTOMATIC FIREARMS

Clarence E. Simpson, Springfield, Mass., assignor to the United States of America as represented by the Secretary of War

Original application June 7, 1946, Serial No. 675,124. Divided and this application February 4, 1948, Serial No. 6,153
7 Claims. (Cl. 89—167)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

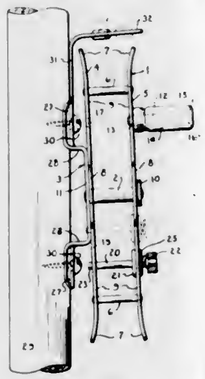


1. In a firearm having a receiver, a barrel extension slidably mounted in said receiver for reciprocating movement, a barrel secured to said barrel extension, a breech block carrier slidably mounted in said receiver for reciprocating movement parallel to said barrel and barrel extension movement, a breech block guide surface on said carrier angularly disposed relative to the path of movement of said carrier and located rearwardly of said barrel extension, a breech block slidably mounted relative to said guide surface for reciprocal movement between two spaced positions on said guide surface, a stop secured to said breech block, a depressor pivotally secured to said carrier, constructed and arranged to engage said stop, said depressor being provided to hold said breech block on said carrier in the uppermost of said two spaced positions, and means for disengaging said depressor from said stop.

2,582,289
FISHING REEL

Charles A. Smith, Bronson, Mich.

Application July 5, 1947, Serial No. 759,074
9 Claims. (Cl. 242—84.5)

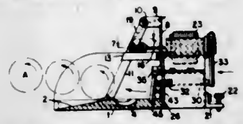


1. An elongated mounting plate adapted to engage a support, a reel rotatively carried by said mounting plate, and integral extension provided on said mounting plate, a slot in said extension, a line guide slidable in said slot, and means movable on the reel adapted to engage the mounting plate for locking the reel against rotation when desired.

2,582,290
PRACTICE PUTTING TARGET

Harry Smith, Detroit, Mich.

Application April 14, 1949, Serial No. 87,549
6 Claims. (Cl. 273—36)

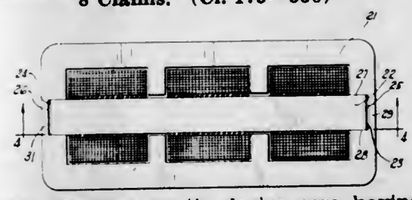


1. A putting target including a base onto which a ball is adapted to be putted, a ramp leading to the base, a shallow channel in the base extending across the back of the ramp, the channel sloping to a ball receiving pocket, a propelling member mounted at the back of the pocket for movement over the base, an electric circuit including a solenoid having a plunger therein connected for moving said member so that the latter strikes the ball, a fixed contact in the circuit, a movable contact in the circuit, and means for causing the ball to roll against the movable contact and bring the latter into electrical engagement with the fixed contact to close the circuit, said movable contact being so located back of the ball-receiving pocket that when the ball is resting against it said ball is in position to be struck by the propelling member.

2,582,291
TRANSFORMER CONSTRUCTION

Joseph G. Sola, River Forest, Ill.

Application August 5, 1948, Serial No. 42,646
8 Claims. (Cl. 175—356)



1. An electromagnetic device core having an outer shell comprising a stack of continuous punchings, and an inner leg comprising a stack of punchings having at each end thereof longitudinal surfaces and transverse surfaces, said shell stack having end members and side members, said end members including slots having longitudinal surfaces and transverse surfaces, each end of said inner leg being within a respective one of said slots with corresponding longitudinal surfaces extending in the same direction and corresponding transverse surfaces extending in the same direction, characterized in that, the transverse surfaces of the ends of said inner leg are spaced away from the transverse surfaces of the corresponding slots and the longitudinal surfaces of the ends of said inner leg engage corresponding longitudinal surfaces of said slots.

2,582,292
PREPARATION OF BENZAL-IMINO COMPOUNDS

Clarence W. Sondern, Mendham, and Philip J. Breivogel, Glen Ridge, N. J., assignors to White Laboratories, Incorporated, Newark, N. J., a corporation of New Jersey

No Drawing. Application February 3, 1949, Serial No. 74,468
9 Claims. (Cl. 260—457)

1. In a process for the preparation of substituted azomethine compounds, the step which in-

cludes: contacting, at a temperature between about zero and about 100 degrees centigrade, a compound having the formula:

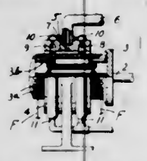


wherein Y is a radical selected from the group consisting of hydrogen, halogen and alkoxy radicals containing from 1 to 6 carbon atoms, inclusive, with a compound of the formula

$$H_2N—C_nH_{2n}—Z$$

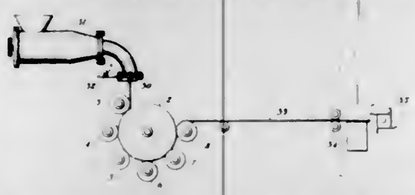
wherein n is an integer from 2 to 4, inclusive, and wherein Z is a radical selected from the group consisting of halogen and bisulfate.

2,582,293
REEL FOR FLUID TREATMENT OF FILAMENTARY MATERIALS
Richard W. Stanley, Drexel Hill, and William B. Lowe, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 22, 1944, Serial No. 523,402
12 Claims. (Cl. 68—205)



1. Apparatus for treating filamentary material with liquids comprising a rotatable thread-advancing reel for feeding continuous filamentary material through a helical path, means for rotating the reel bodily about its axis, a guard member outside the reel and spaced from the helix having a generally arcuate internal surface closely surrounding a zone comprising a plurality of turns of the helix in a generally concentric relationship, and means for flooding the space including the zone of the helix within the guard member with the liquid.

2,582,294
CONTINUOUS METHOD FOR COOLING AND SHAPING THERMOPLASTICS
Kenneth E. Stober, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application October 31, 1947, Serial No. 783,252
7 Claims. (Cl. 18—55)



1. In a method of cooling and shaping heat-plastified organic resins in a continuous manner, the steps of feeding a heat-plastified resin to the outer surface of a rotating drum having at its periphery a series of annular grooves and ridges, carrying the resin on peripheral surfaces of the drum throughout a substantial portion of the travel involved in a single revolution of the drum, during said travel repeatedly pressing the resin as a layer against the drum surface to cause the resin layer to conform to the peripheral surfaces of the drum and to bring the wall-thickness of the resin layer to a value not greater than 0.5 inch, and at the same time passing a cooling fluid through the drum to cool the resin in immediate contact therewith to approximately its heat distortion temperature while inner portions of the resin layer are at temperatures as high as the heat distortion temperature of the resin and, while at said temperature, withdrawing the resultant shaped sheet of resin (which is in the form of a web consisting of distinct strips, or rods, connected longitudinally in side by side relation to one another) from the drum before the layer of resin has been carried on the drum a distance corresponding to a complete revolution of the latter.

2,582,295
SEAL TAG
Hans F. Stoffel, Scarsdale, N. Y.
Application April 1, 1947, Serial No. 738,659
7 Claims. (Cl. 292—310)



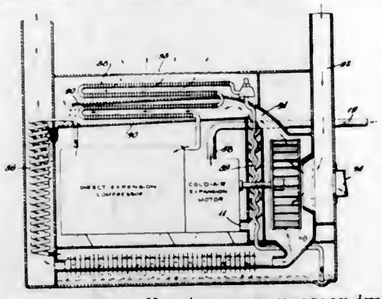
1. A tag comprising a bottom plate, a rim extending from said bottom plate and provided with slots cut across said rim, one slot having a wedge-shaped slot extension extending in said rim toward said bottom plate, said rim being curled and providing closed annular channel means having respective openings at said slots, and tie means located and slidable under friction in said channel means, said tie means including a loop projecting beyond one of said slots and at least one free end portion projecting beyond another slot, whereby upon manipulation of said projecting end portion the extent of said loop of said tie means may be changed, said one end portion being insertable in said slot extension for securement therein.

2,582,296
PROTECTIVE COVERING OF MUTILATIONS IN BEEF CARCASSES
William R. Sullivan and Patrick J. Cleary, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 30, 1950, Serial No. 182,398
6 Claims. (Cl. 99—107)

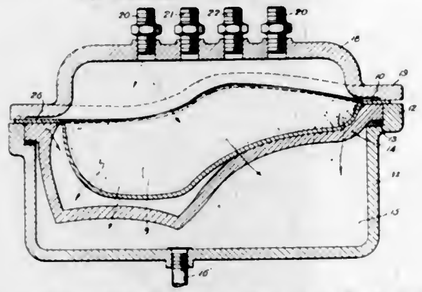
1. In a process for treating a mutilated beef carcass to provide a protective adhering covering for the mutilation, the steps of applying to an area from which a carcass portion is removed fasciae connective tissue, and pressing the tissue into tight adhering relation to the tissue of the carcass.

2,582,297
AIR CONDITIONING UNIT AND EXPANSION MOTOR THEREFOR
Charles J. Thatcher, New York, N. Y.
Application April 10, 1945, Serial No. 587,558
10 Claims. (Cl. 257—8)

10. A compression expansion device for refrigeration by air expansion, comprising a rotary expansion motor, a load for the motor comprising a compressor coupled thereto, said motor and compressor each including cooperating rotary impellers mounted in intersecting cylindrical chambers, a channel for flow of compressed air from the compressor to the motor, a heat exchanger for removing the heat of compression during said air flow, shafts extending axially through said chambers and channel each coupling a motor impeller to a compressor impeller, gears coupling said shafts together, air inlet ports incised in the end walls of said motor chamber to connect the said channel to said motor chambers, rotary overlapping valve discs facing the outer side of each said end wall, each secured to a shaft and arranged alternately to open and close the respective air inlets sequentially and a blower driven by said expansion motor to supply a stream of cooling air to said heat exchanger.



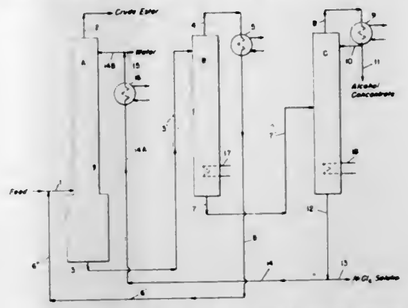
2,582,298
FORMED SHOE UPPERS AND THE LIKE
Alexis E. Ushakoff, Beverly, Mass., assignor to Secotan, Inc., Cambridge, Mass., a corporation of Massachusetts
Application October 1, 1949, Serial No. 119,054
19 Claims. (Cl. 12—146)



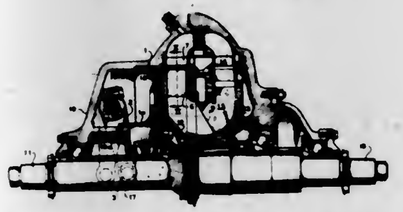
1. The process of forming seamless shoe uppers which comprises the steps of clamping the margins of a blank of untanned skin, forcing the unconfined area of the blank by fluid pressure into conformity with a concave last-shaped mold, and tanning the skin while maintained in shape by the mold.

2,582,299
METHOD FOR SEPARATING ACRYLIC ACID ESTERS, ALCOHOLS, AND NICKEL CHLORIDE FROM MIXTURES THEREOF
James L. Vaughan, Morrisville, Pa., and David R. Merrill, Moorestown, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
Application August 23, 1950, Serial No. 180,942
10 Claims. (Cl. 260—486)

1. A process for obtaining an ester of acrylic acid and a water-soluble, saturated, aliphatic, monohydric alcohol distilling in the presence of water below about 100° C., separating a said alcohol, and recovering the nickel content from a mixture comprising said ester, said alcohol, and nickel chloride which comprises bringing into intimate contact with said mixture an aqueous solution of nickel chloride, forming from said mixture and said solution an organic layer comprising said ester and an aqueous layer containing the nickel chloride from both said mixture and said solution and also containing ester and alcohol, separating the organic layer and the aqueous layer, subjecting this aqueous layer to distillation, removing therefrom a light fraction containing ester, then distilling therefrom a fraction containing the alcohol, leaving an enriched solution of nickel chloride, withdrawing a portion of this solution, diluting the other portion with water, and using it as the said aqueous solution of nickel chloride brought into intimate contact with said mixture.



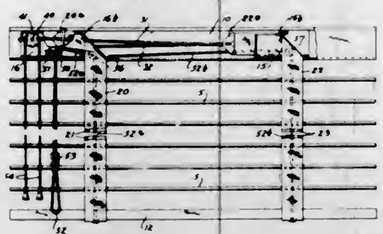
2,582,300
MEANS FOR CONTROLLING TORQUE TRANSMISSION THROUGH HYDRODYNAMIC TORQUE CONVERTERS
Gösta L. B. Wahlsten, Stockholm, and Gustav K. W. Boestad, Lidingo, Sweden, assignors, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., as trustees
Application October 7, 1947, Serial No. 778,416
In Sweden, October 9, 1946
7 Claims. (Cl. 60—54)



1. A hydrodynamic torque converter of the closed circuit type comprising a pump member having a ring of pump blades and a turbine member having a ring of turbine blades to which fluid is discharged from said pump blades, means for interrupting flow of fluid from said pump blades to said turbine blades comprising a valve member movable from a position outside said circuit to a position in the circuit between said rings of blades, and means for counteracting flow of leakage fluid past said valve member and through said turbine blades comprising a plurality of apertures in said valve member, said apertures being positioned to discharge fluid to said ring of turbine blades in a direction producing torque

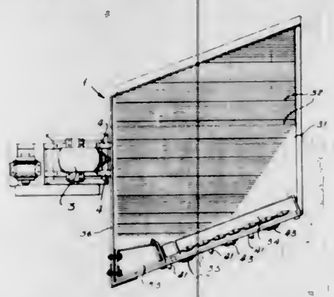
on the turbine blades in a direction opposite the direction of the torque produced on the turbine member by said leakage fluid.

2,582,301
VENETIAN BLIND
Brooks Walker, Piedmont, Calif.
Application November 10, 1948, Serial No. 59,305
5 Claims. (Cl. 160—174)



1. In a Venetian blind, a vertical ladder tape, comprising spaced side members and cross rungs connecting the spaced side members, slats positioned on the cross rungs, a bottom rail, means for adjusting the slats in tilted positions, comprising a head box, spaced guides for the side members positioned in the opposite walls of the head box and inclined in one direction and over which the upper portions of the two side members are guided into the head box and directed in a horizontal direction, a spool, a flexible connector secured at each end to the upper portions of the side members and having its medial portion around the spool and means for turning the spool in opposite directions to cause a tilting of the slats upwardly or downwardly.

2,582,302
MATERIAL SEPARATING APPARATUS
Don A. Weber, Fort Wayne, Ind., assignor to The Deister Concentrator Company, Fort Wayne, Ind., a corporation of Indiana
Application June 19, 1947, Serial No. 755,563
10 Claims. (Cl. 209—441)

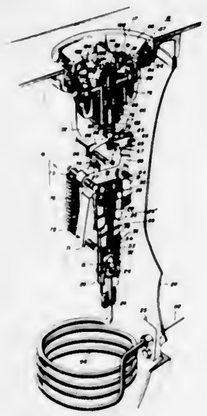


1. In a material separating apparatus of the character described having a rectilinearly reciprocating imperforate deck tilted about an axis substantially parallel to the direction of reciprocation to provide a high side and a low side, said high side extending in a direction which converges toward one end with the direction of reciprocation, a feed device located in the quadrant of the deck nearest the high side and remote from the end toward which the high side converges with the direction of reciprocation, the end remote from the feed device, the low side, and a substantial part of said high side being free to spill material over the edge thereof.

2,582,303
HOT-MOLDABLE COMPOSITIONS COMPRISING MELAMINE-FORMALDEHYDE RESIN AND ACRYLONITRILE COPOLYMER
Henry P. Wohnsiedler, Darien, and Edward L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 16, 1947, Serial No. 780,296
16 Claims. (Cl. 260—45.2)

11. A hot-moldable, substantially homogeneous composition comprising (1) a heat-curable melamine-formaldehyde resin and (2) a thermoplastic product of polymerization of a polymerizable mass including (*a*) acrylonitrile and (*b*) a different substance which is copolymerizable with the acrylonitrile of (*a*) and which is selected from the class consisting of lower alkyl acrylates containing from one to five carbon atoms, inclusive, in the lower alkyl grouping thereof, N-mono-(lower alkyl) acrylamides containing from one to five carbon atoms, inclusive, in the lower alkyl grouping thereof and mixtures of the said lower alkyl acrylates and N-mono-(lower alkyl) acrylamides, the ingredients of (*a*) and (*b*) being employed in a weight ratio corresponding to from about 25 to about 95 parts of the acrylonitrile of (*a*) to from about 75 to about 5 parts of the substance of (*b*), and the ingredients of (1) and (2) being present in the said composition in a weight ratio of from about 45 to about 95 parts of the former to from about 55 to about 5 parts of the latter.

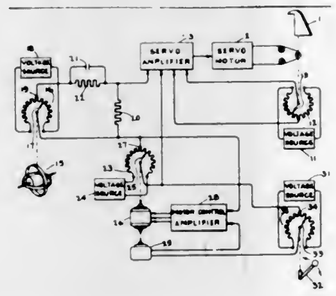
2,582,304
AUTOMATIC BUOYANCY CONTROL SYSTEM
Richard C. Wolfe, United States Navy, Los Angeles, Calif., and Thomas C. Boyle, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Navy
Application November 30, 1945, Serial No. 632,090
3 Claims. (Cl. 114—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a buoyancy control for a torpedo having a ballast chamber to contain water and having a conduit between said chamber and a supply of air under pressure, valve means interposed in the conduit yielding to the air pressure against it in one direction to maintain a closed position, and hydrostatic means to open the valve, said means

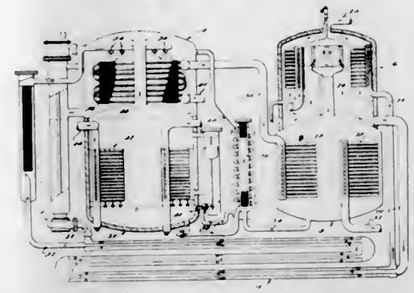
comprising a bell-crank pivoted adjacent to the valve, spring means pressing the bell-crank toward one direction of turning so that one of its arms tends to push the valve to open position, an overcenter linkage connected to the other arm and being initially stationed to resist the pressure of the spring means, hydraulically displaceable means to break the linkage, said means comprising a rod directed toward the overcenter linkage, a piston carried by the rod to intercept seawater pressure, a spring-loaded valve initially closed to exclude seawater from the piston, and trip means coupled to the valve holding it closed against said spring loading, said trip means being actuable by water impact upon launching the torpedo to release the valve.

2,582,305
AIRPLANE MANEUVERING SYSTEM
Charles M. Young, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 17, 1948, Serial No. 39,346
6 Claims. (Cl. 318—489)



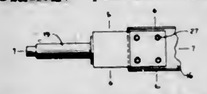
4. A maneuvering autopilot system for a craft comprising control surface means for controlling movements of said craft about a control axis thereof, a servomotor connected to actuate said control surface means, pick-off means responsive to movements of said craft about said control axis for producing control signals variable in magnitude and polarity in accordance with the magnitude and direction of undesired movements of said craft, follow-up means responsive to the magnitude and sense of a condition associated with said control surface means for producing follow-up control signals variable in magnitude and polarity, a control station for producing control signals variable in magnitude and polarity responsive to the extent and direction of movement of a control member from a predetermined position, a motor device, a maneuvering signal source coupled with said motor for producing an output of maneuvering control signals having a magnitude and polarity responsive to the extent and direction of displacement of a movable element of said motor from a predetermined position, generating means controlled by said movable motor element for producing control signals variable in magnitude and polarity responsive to the rate and direction of motion of said movable motor element, means for applying said control signals from said generating means, said control station, and said maneuvering signal source to actuate said motor device, and means for applying said control signals from said maneuvering signal source, said pick-off means, and said follow-up means to actuate said servomotor.

2,582,306
WORKING FLUID FOR USE IN REFRIGERATING SYSTEMS AND METHOD OF PREVENTING CORROSION IN REFRIGERATING SYSTEMS
Glenn F. Zellhoefer, Normal, and Samuel E. Vickers, Chicago, Ill.; said Vickers assignor to said Zellhoefer
Application January 10, 1948, Serial No. 1,607
14 Claims. (Cl. 252—68)



1. A stabilized working fluid for use in a refrigeration system of the absorption type consisting of a mixture of the following ingredients: 40% to 90% of a glycol ether, .1% to 5% of copper and 10% to 60% of a highly volatile aliphatic halide containing at least one hydrogen atom.

2,582,307
REPAIR UNIT FOR BROKEN VEHICLE AXLES
William S. Ausherman, Wichita, Kans.
Application October 27, 1949, Serial No. 123,934
4 Claims. (Cl. 301—130)

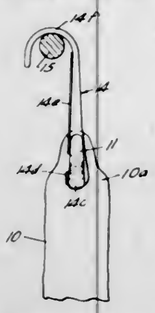


1. In a vehicle of the class having a one piece axle made up of spaced alined stub axles and an integral intermediate structural steel girder, a repair unit for a broken one of said stub axles comprising: a rigid body having a socket in one of its ends for complementally receiving at least a portion of the end of said girder after that portion bearing the broken axle has been cut off; means for rigidly securing the said body to the received portion of said girder; a flat plate rigidly secured to the opposite end of said body in a plane transverse to the longitudinal axis of the vehicle axle; a second plate adapted to be secured flat against the outer surface of the first mentioned plate; concentric matching arcuate through slots in both said plates; a new stub axle carried rigidly by said second plate, the axis of said axle being eccentric with relation to the radial center of said slots; and bolts passing through the matching slots in both plates for rigidly but adjustably securing them together.

2,582,308
SUPPORT FOR FUR NECKPIECES
Lawrence E. Berglund, Minneapolis, Minn.
Application June 1, 1948, Serial No. 30,269
2 Claims. (Cl. 223—97)

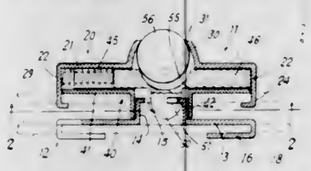
1. A hanger for a fur piece which has a clasp secured thereto comprising a lever oscillatable about a pivot intermediate its ends, said lever and fur piece having flat adjacent sides; said hanger comprising a narrow rigid elongated flat plate disposed in one plane and having a recess

therein at one end forming a laterally directed hook at said end, the other end of said plate being formed as a larger hook for supporting said hanger, said plate having a flange along one side thereof intermediate said hooks and a flange along the end of said laterally directed hook,



said flanges being disposed substantially at right angles to said plate whereby said pivot and its support can be received in said recess and the side of said lever can engage said flanges to prevent any lateral movement of the fur piece relative to the hanger.

2,582,309
LOCK
Percy M. Brown, Tenafly, N. J., assignor to Anchor Products Company, North Bergen, N. J., a partnership
Application December 24, 1948, Serial No. 67,170
8 Claims. (Cl. 292—124)



1. A lock comprising a part having a tubular portion formed with an annular inwardly extending lip forming a central opening, a second part comprising a casing having a tubular portion telescoping with the tubular portion of the first part, a slider within said casing, spring means in the casing to move the slider in one direction, a latch on said slider projecting into said tubular portion of said casing, said latching having a slot engageable with said lip, a ball retaining socket on said casing, a ball within said socket and said slider being formed with a recess into which the ball partly projects, said ball partly projecting beyond said ball retaining socket, and being depressible for moving the slider against said spring to release said latch from said lip.

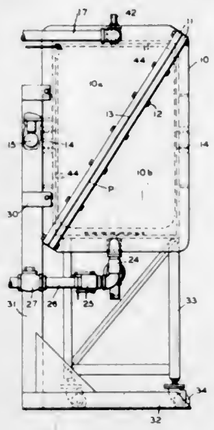
2,582,310
SELF-IDENTIFYING REFLECTING RADIO BEACON
Henri Chireix, Paris, France, assignor to Societe Française Radio-Electrique, a corporation of France
Application August 2, 1946, Serial No. 688,149
In France February 15, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 15, 1964
6 Claims. (Cl. 343—18)

1. A course marking system in which radio-reflectors are placed in predetermined locations relative to the course to be outlined, a craft having a transmitter for launching pulse-modulated ultra-short waves of a given wave length towards said reflectors and a receiver for receiving the waves returned from said reflectors, said reflectors having mutually distinct reflection time



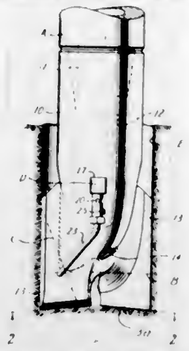
characteristics, each reflector comprising an antenna tuned to said wave length, a transmission line connected to the antenna at one end and matched to it, an impedance very different from the line characteristic impedance and terminating said line at its other end.

2,582,311
FILTER HOUSING
Edward A. Creswick and Theodore F. Johnson, Cincinnati, Ohio, assignors to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application December 22, 1949, Serial No. 134,578
2 Claims. (Cl. 210—188)



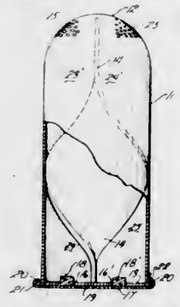
1. A filter reservoir housing adapted for reception therein of a plurality of filter leaves disposed in parallel juxtaposed relationship, said housing consisting of an enclosure having top and bottom walls, a front wall, a rear wall, and two opposed side walls said front, rear and side walls being vertical whereby to define a housing substantially rectangular in cross-section, said housing being divisible into two parts along a parting plane, said parts consisting of a fixed part and a movable part, said fixed part supporting said filter leaves, said movable part being movable towards and from said fixed part, said fixed and said movable parts being substantially identical in size and shape, said parting plane being inclined to the horizontal so that movement of said movable part effects simultaneous sealing contact between both said parts when the movable part is moved into contact with said fixed part, supporting means for retaining said fixed part in laterally overhanging position with clearance therebelow whereby withdrawal of said movable part exposes said filter leaves for cleaning and provides clearance space beneath said filter leaves for the reception of precipitate-receiving means.

2,582,312
WEAR INDICATING DEVICE FOR DRILL BITS
Daniel L. Del'Homme, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application September 22, 1949, Serial No. 117,128
6 Claims. (Cl. 255—61)



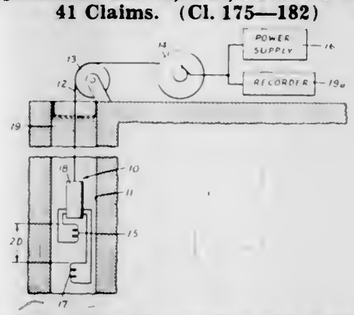
1. In combination, a drill bit having cutting elements thereon and also having an opening in its wall, means for circulating a pressure drilling fluid through said bit, a movable valve having one end exposed to the pressure of the drilling fluid and movable relative to the opening for controlling flow through said opening, a closed chamber having a liquid therein and having the opposite end of said valve exposed to said liquid, whereby said liquid functions to lock said valve against movement and in a position closing the opening, and means normally closing the chamber and adapted when opened to release the liquid from the chamber, the chamber closing means comprising a wear element on the exterior of the body which is located to be contacted by the formation when the cutting elements of the bit are worn down to a predetermined point, whereby the fluid in the chamber may escape and the circulating drilling fluid may move the valve to an open position to permit said circulating fluid to discharge through the opening to thereby vary the pressure of the drilling fluid within the bit.

2,582,313
SALT-AND-PEPPER DISPENSER WITH A LONGITUDINAL HELICAL PARTITION AND A SNAP-ON BOTTOM CLOSURE STRIP
William T. Dodson, Taft, Calif.
Application August 3, 1948, Serial No. 42,212
1 Claim. (Cl. 222—142.4)



A condiment dispenser comprising a hollow cylindrical body having a dome-shaped end wall at one end and a flat end wall at its other end, a helical partition secured in said body and extending from one end wall to the other dividing the interior of said body into two similar longitudinally extending chambers, said top wall having two separated groups of apertures therein disposed one group at each side of said partition and said bottom wall having two spaced apart apertures therein disposed one at each side of said partition and communicating with the corresponding chambers, said bottom wall also having a shallow recess extending diametrically thereacross and including the bottom wall apertures, lugs projecting outwardly from said body one at each end of said recess, a resilient strip disposed in said recess and releasably engaged at its ends with said lugs, and plugs secured to said strip at spaced apart locations therealong and respectively received in said bottom wall apertures to close the latter.

2,582,314
ELECTROMAGNETIC WELL LOGGING SYSTEM
Henri-Georges Doll, Ridgefield, Conn., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application June 15, 1949, Serial No. 99,300
41 Claims. (Cl. 175—182)

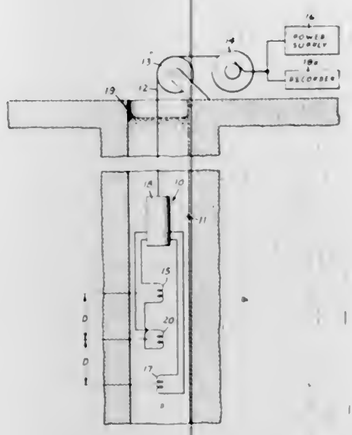


1. In apparatus for investigating earth formations traversed by a bore hole, the combination of at least two alternating current energized transmitter-receiver coil systems mounted in fixed relation to each other for movement through a bore hole and having different sensitivity characteristics corresponding to different zones of investigation, electrical circuit means for combining the response of one of said coil systems with the response of another so as to produce a resultant response representative mainly of material lying in a predetermined zone, and means for obtaining indications of said resultant response.

2,582,315
DIFFERENTIAL COIL SYSTEM FOR INDUCTION LOGGING
Henri-Georges Doll, Ridgefield, Conn., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application September 3, 1949, Serial No. 113,971
6 Claims. (Cl. 175—182)

1. In induction well logging apparatus, the combination of at least two transmitter-receiver two-coil systems adapted to be lowered into a bore hole, a source of electrical energy connected to said two-coil systems to energize the same, and electrical indicating means connected to receive the opposed responses of said two-coil systems, the spacings for the coils in said two-coil systems being different so as to produce peak sensitivities for said two-coil systems at different

lateral distances from the apparatus, said two-coil systems being designed to have lateral sensitivity characteristics such that the lateral sensitivity characteristic for the over-all system gives



a zero response in a homogeneous medium and a response in an inhomogeneous medium which is a function of the inhomogeneity of the medium in a direction extending laterally of the longitudinal axis of the apparatus.

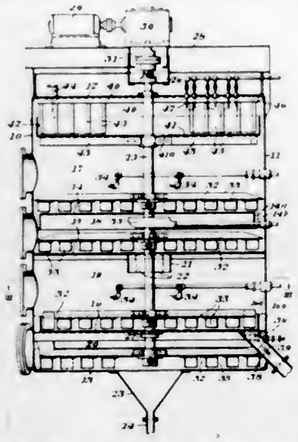
2,582,316
RAILROAD CAR HANDLING SYSTEM AND APPARATUS
Emil John Doehler, Buffalo, N. Y.
Application February 11, 1950, Serial No. 143,811
32 Claims. (Cl. 104—26)



1. A railroad car handling system for controlling the movement of railroad cars along tracks of a classification yard, including a series of movement imparting devices each including an endless chain arranged along a side of a track in position to frictionally engage a car truck frame of a car on said track, and power driven mechanism for operating said chain at a predetermined speed to increase the speed of cars engaging said chain when moving slower than said chain and to decrease the speed of cars engaging said chain when moving faster than said chain.

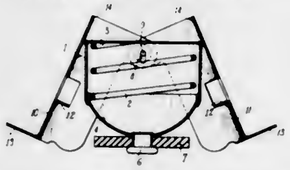
2,582,317
TANK REACTOR
William J. Donohue, Aspinwall, Pa.
Application April 22, 1946, Serial No. 663,971
6 Claims. (Cl. 23—285)

1. Causticizing apparatus comprising a cylindrical tank having a plurality of vertically spaced floors, alternate floors having peripheral and central outlets, respectively, and defining agitation compartments above the floors with peripheral outlets and retention compartments above the floors with central outlets, rotary means for sweeping solids settling on said floors toward the outlets, tangentially directed nozzles in said agitation compartments, and means for supplying treating liquid to said nozzles, a floor above the uppermost agitation compartment providing a slaking compartment, the lowermost



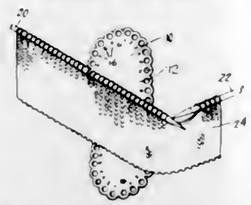
agitation compartment having an upwardly extending flange at the edge of its peripheral outlet and a second outlet leading from the floor of the compartment adjacent the flange out through the tank whereby solid rejects may be removed from the tank by the rotary means in the compartment.

2,582,318
AUTOMATIC BOTTLE STOPPER
Roger Dreyfus, Paris, France
Application August 16, 1950, Serial No. 179,731
In France July 5, 1950
4 Claims. (Cl. 215—38)



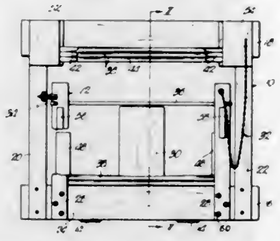
1. An automatic bottle stopper comprising a core formed of a cylindrical upper cap and a lower cap coaxial with and slidingly mounted within said upper cap, spring means urging said caps away from each other, two longitudinal side wing members, substantially semi-circular in cross section, carrying internal lugs adapted to engage the under side of the circular bead of the bottle neck, transverse pivot means for pivoting together relatively near their upper end said wing members, which are disposed around said core and adapted to be brought towards the latter and away from it, and two longitudinal guiding means on the upper cap for said transverse pivot means, the upper end of said guiding means extending close to the top wall of said uppercap, the distance between said transverse pivot means and the upper edges of the wing members being greater than the distance between the upper end of said guiding means and the top wall of said upper cap, whereby when said pivot means are positioned at the upper end of said longitudinal guiding means, said wing members may freely move away from each other, whilst when said pivot means are positioned at the lower end thereof, the upper edges of said wing members engage the outer cylindrical surface of the upper cap and are secured against motion in their positions.

2,582,319
KNITTING AID
Thomas F. Ellis, Jr., Westport, Conn.
Application April 20, 1949, Serial No. 88,603
7 Claims. (Cl. 66—1)



1. A row counter for manual knitting comprising means having a series of openings in which a knitting needle is receivable and for supporting and arranging said openings to remain permanently in a predetermined order, said means bearing order-indicating indicia adjacent each opening to identify the same.

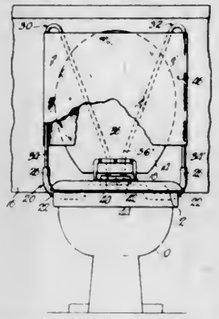
2,582,320
GARMENT HANGER
Harold D. Evans, Kansas City, Mo., assignor of one-half to Helen L. Evans, Kansas City, Mo., and one-half to said Harold D. Evans, as joint tenants
Application September 1, 1949, Serial No. 113,600
3 Claims. (Cl. 211—94)



1. A hanger for trousers comprising a support; an E-shaped frame, presenting a pair of spaced, outermost legs, a median leg and an elongated, horizontal bight, said bight being pivoted to the support for swinging movement of the frame on a horizontal axis, said median leg being secured to the bight on one face thereof and said outermost legs being secured to the bight on the opposite face thereof; and a plurality of elongated rods between the median leg and the outermost legs, said rods resting on the outermost legs when the frame is in a horizontal position and being superimposed upon said bight when the frame is swung on the support to a vertical position.

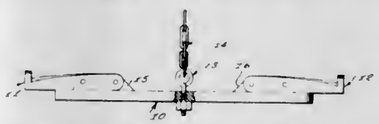
2,582,321
BACKREST FOR TOILET SEATS
Lura B. Farrell, Coshocton, Ohio
Application November 24, 1947, Serial No. 787,789
3 Claims. (Cl. 4—234)

2. In a toilet having a bowl, a flush tank extending upwardly from the rearmost end of the uppermost face of said bowl, and a lid hinged to said face of the bowl for movement to and from an upstanding, open position resting against said tank, the improvement of which constitutes a back rest comprising a framework having an elongated cross bar adapted to rest horizontally upon said face of the bowl between said tank and the point of connection between said lid and the bowl, a pair of spaced standards extending upwardly from said cross-bar, and an arm projecting downwardly from the uppermost end of each standard respectively, said arms having means at their lowermost ends adapted to rest on said face of the bowl between said tank and said cross bar; and a resilient member interconnect-



ing said standards above said bar, said member being disposed across the face of said lid opposite to the tank, said cross bar having downwardly offset portions formed to overlap a portion of the sides of said bowl in close proximity thereto for holding the lowermost end of the back rest against lateral displacement on the bowl, said arms diverging from the standards and toward each other as said means is approached, said means joining the arms to hold the standards apart and to thereby hold said member stretched taut across the standards.

2,582,322
FOLDABLE AND ADJUSTABLE GAMBREL
Walker H. Ferguson, Midridge, Mo.
Application November 8, 1949, Serial No. 126,226
1 Claim. (Cl. 294—79)

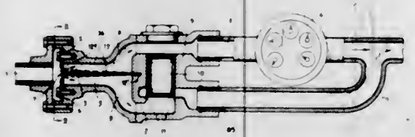


A foldable and adjustable gambrel comprising a flat intermediate beam, ribs on the top side of said beam shorter than said beam, one each of said ribs extending longitudinally of the latter at locations symmetrically spaced at opposite sides of the mid-length location of the beam, said ribs being disposed substantially in longitudinal alignment with each other and each having spaced apart apertures extending transversely therethrough, an eye secured to said beam at the mid-length location of the latter for suspending the gambrel, and two arms pivotally attached to said beam at the respectively opposite ends of the latter, each of said arms having at one end a hook and at its opposite end a bifurcated formation receiving the corresponding rib on said beam and provided with a transverse aperture, and pins extending respectively through the apertures in the bifurcated portions of said arms and through selected apertures in the corresponding ribs to pivotally connect said arms to said beam, said beam underlying said arms to support the latter in position in which they extend outwardly of the ends of said beam.

2,582,323
ROTARY DRILLING FLUIDS
Paul W. Fischer, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application February 13, 1948, Serial No. 8,281
17 Claims. (Cl. 252—8.5)

9. A drilling fluid which comprises a stable salt-containing oil in water emulsion containing between about 0.1% and about 10.0% by weight of an alkaline earth metal salt, between about 0.1% and about 10.0% by weight of a water-dispersible alkoxy derivative of cellulose, and from about 5.0% to about 80.0% by volume of a hydrocarbon oil.

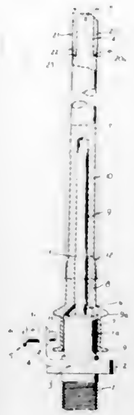
2,582,324
APPARATUS FOR MEASURING THE HEAT SUPPLIED BY A FLOW OF LIQUID AT VARIABLE TEMPERATURE
Louis Gailloud, Geneva, Switzerland
Application June 2, 1948, Serial No. 30,706
In Switzerland June 3, 1947
17 Claims. (Cl. 73—193)



1. An apparatus for measuring the heat supplied by a flowing liquid of variable temperature comprising a conduit for supplying the liquid of variable temperature, a first conduit leading to a conventional volumetric meter, followed by a main conduit, a by-pass leading from said supply conduit to said main conduit beyond said volumetric meter, an obturator directing part of the flowing liquid into said first conduit and the rest into said by-pass, said obturator being responsive to the variations in the temperature of the liquid, and pressure-balancing means interposed between said first conduit and said by-pass, to keep the pressure in said first conduit and in said by-pass constantly equal to one another, whereby the quantity of liquid passing through said volumetric meter and measured therein will be directly proportional to the temperature of said liquid.

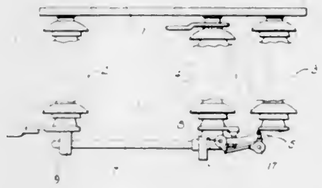
2,582,325
TEXTILE MILL SPINDLE
Herbert Gleitz, Euclid, Charles E. Miller, East Cleveland, and Jerome D. Gleitz, Euclid, Ohio, assignors to The Marquette Metal Products Company, Cleveland, Ohio, a corporation
Application April 28, 1948, Serial No. 23,656
3 Claims. (Cl. 57—130)

1. A textile spindle blade assembly adapted to support tapered, paper-tube-type bobbins, said assembly comprising a steel blade and whorl, a light weight metal body embracing the blade and joined thereto upwardly beyond the whorl and abutting a circular upper portion of the latter, and a tapered tube-driving tip of wear resisting metal rigidly joined to the top end of the body flush therewith and of slightly larger outer diameter somewhat above its base portion than the upper end portion of the light metal body, said body being so tapered and reduced relative to the tip and adjacent whorl portion that a uniformly tapered bobbin tube snugly fitted to the driving taper of the tip is maintained during operation of



the spindle out of contact with the light metal body for the entire extent of its exposed surface.

2,582,326
ELECTRIC SWITCH
William A. Gussow, Hampton, Ga., assignor to Southern States Equipment Corporation, a corporation of Georgia
Application August 21, 1950, Serial No. 180,563
6 Claims. (Cl. 200—48)

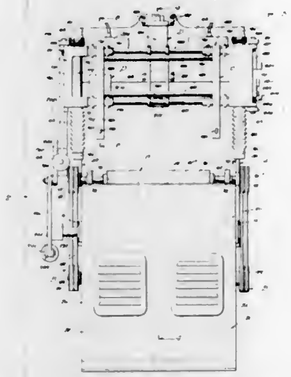


1. In an electric switch, a hinge pivot, a switch arm rotatable about the axis of the hinge pivot from a position that is approximately horizontal downwardly to a position more nearly vertical, a base which supports the hinge pivot and which also supports a spring pivot which is parallel with and spaced from the hinge pivot, a switch crank connected with the switch arm and rotatable with the switch arm about the axis of the hinge pivot, a spring crank rotatable about the axis of the spring pivot, a spring connected with the spring crank to bias it rotatively, a rod pivotally connected at its two ends, respectively, with the swing ends of the two said cranks, the rod and the switch crank defining an angle that is approximately a right angle when the switch arm is horizontal and that is an obtuse angle when the switch arm is more nearly vertical, and the rod and the spring crank defining an angle that is obtuse when the switch arm is horizontal and that is approximately a right angle when the switch arm is more nearly vertical; the said spring and its associated members thereby acting to counterbalance at least partially the switch arm.

2,582,327
PROCESS FOR POWDERING POLYETHYLENE
Walter A. Haine, Woodbridge, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application July 23, 1949, Serial No. 106,491
11 Claims. (Cl. 18—47.5)

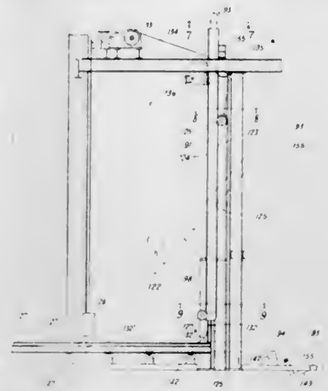
1. A process for powdering polyethylene which comprises heating said material to its softening temperature, mechanically working into and distributing throughout the softened material a non-solvent cooling liquid which is inert to the material, reducing the temperature of said material to below that at which said material is resilient, and mechanically shredding and breaking up said material in the presence of said liquid to form elongated, fibrous-appearing, feathery particles, at such reduced temperature, whereby said liquid at least to some extent lubricates the shredding operation.

2,582,328
HYDRAULIC ACTUATING MECHANISM FOR MACHINING IMPLEMENTS
Rolland G. Hall, Yalesville, Conn., and Stewart M. Hill, Sherrill, N. Y., assignors to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation
Original application July 10, 1948, Serial No. 38,066. Divided and this application March 11, 1950, Serial No. 149,126
11 Claims. (Cl. 51—233)



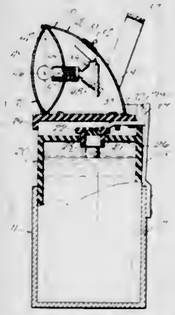
1. Apparatus of the character described, comprising a reciprocatory carrier, a stationary cylinder, a double-acting piston slidable in said cylinder, said piston having one face fully exposed in said cylinder and having its opposite face only partially exposed, said opposite face having a projecting rod connected with said carrier for reciprocating the latter, a conduit providing communication between that cylinder side in which said other piston face is exposed and a source of fluid under pressure, a valve casing having an exhaust port and first and second ports in communication with said conduit and the other cylinder side, respectively, a plunger slidable in said casing into first and second positions in which to provide communication between said first and second ports and between said second and exhaust ports, respectively, and a device actuated by the reciprocating carrier at the ends of strokes thereof toward and away from said cylinder for shifting said plunger into said first and second positions, respectively, said device comprising hydraulic valve means.

2,582,329
APPARATUS FOR HANDLING CONTINUOUS CASTINGS
Isaac Harter, Jr., Beaver, Pa., and George A. Pugh, Youngstown, Ohio, assignors to The Babcock & Wilcox Tube Company, West Mayfield, Pa., a corporation of Pennsylvania
Application April 13, 1948, Serial No. 20,738
5 Claims. (Cl. 214—1)



1. Apparatus for transferring severed lengths of continuous casting from an upright receiving position to a generally horizontal discharge position including an open-ended elongated cradle open on its top side and having a series of spaced openings in its bottom side, a stop plate extending transversely across said cradle adjacent one end thereof to support the severed casting therein, a hoist arranged to raise and lower said cradle, guide means including a cradle tilting support attached to said cradle on a horizontally pivoted axle positioned intermediate the length of said cradle and movable in a substantially vertical plane to direct the movement of said cradle from its upright position to a generally horizontal casting discharge position, and a plurality of conveyor rolls positioned to project through the spaced openings in the side of said cradle when in its casting discharge position and to remove the severed casting therefrom.

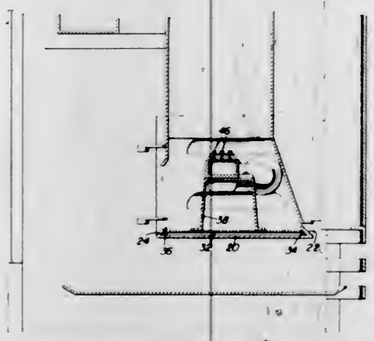
2,582,330
PORTABLE ELECTRIC LIGHT WITH BATTERY CHARGING BRACKET
John W. Hautala, Canton, Ohio
Application February 8, 1949, Serial No. 75,173
1 Claim. (Cl. 240—10.6)



In a portable lamp, a bracket comprising a rectangular housing having side walls and end walls and being open at its upper end and closed at its lower end, a pair of contact arms secured

on one end wall of the bracket housing and projecting above the upper end of said one end wall, a rectangular insulated battery casing removably and conformably seated in said bracket housing, said battery casing having a closed upper end located on a level above the upper end of the bracket housing, a pair of battery posts mounted on and rising from the upper end of the battery casing, flange means on the upper part of the battery casing and rising above the closed upper end thereof, said flange means being limited to extend along the opposite side walls and the said one end wall of the battery casing, said flange means being formed on its laterally inward side with groove means, and a removable lamp head comprising a rectangular insulated base plate positioned over the upper end of the battery casing and having side edges slidably engaging said groove means, a pair of contact fingers on the under side of said base plate having free ends engaging the battery posts and other ends having lugs thereon engaging said contact arms, and a lamp housing fixed on the upper side of said base plate having a light bulb therein having terminals connected to said contact fingers.

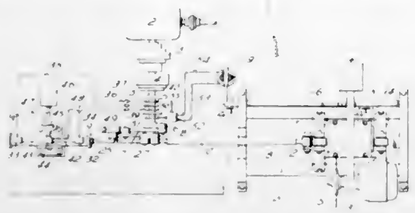
2,582,331
REMOVABLE BURNER FOR GAS HEATERS
Paul W. Hoeffken, Belleville, Ill., assignor of one-third to William M. Hoeffken and one-third to Otto W. Wegener, both of Belleville, Ill.
Application April 24, 1950, Serial No. 157,745
1 Claim. (Cl. 158—7)



In combination with a heater having a recess therein and having a support tray, a removable gas burner comprising a base plate, and bracket means securing a burner element to said base plate, said base plate slidably engaging said tray in said heater, and a door hingedly secured to said heater for closing said recess, said tray including a pair of inwardly and upwardly extending flanges, said base plate including a pair of downwardly and outward extending flanges guidingly engaging said inwardly and upwardly extending flanges of said tray and spacing said base plate between said flanges from said tray to reduce frictional resistance to sliding of said base plate.

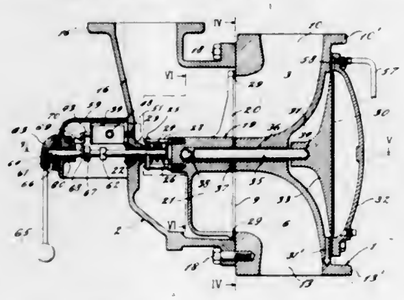
2,582,332
FLYING SAW
Charles E. Homer, Highland, Ind.
Application October 22, 1946, Serial No. 704,929
4 Claims. (Cl. 29—69)

1. In combination with a flying saw assembly adapted to cut continuously generated pipe into sections while the pipe is moving axially and comprising a saw-carrying table reciprocable parallel to the path of the pipe, a shaft adapted for rotation in timed relation to the movement of the pipe, means including a pivoted rocker arm interconnecting the shaft and table for moving the table longitudinally in correspondence to the rotation of the shaft, a fluid cylinder and a piston therein connected to the rocker arm, electrically actuated two-way valves having connections respectively with the opposite ends of the cylinder, an electrically actuated four-way valve



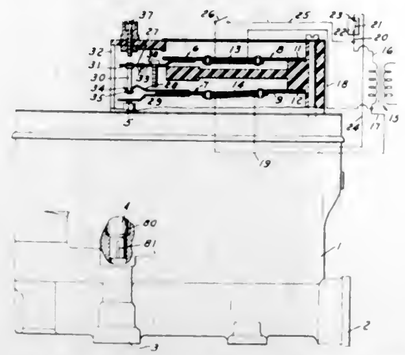
having connection with a source of fluid under pressure, a fluid conduit connecting each two-way valve with the four-way valve, cam operated switches for said valves and cams carried by the shaft respectively adapted to operate said switches in timed relation with the rotation of the shaft whereby during the first 180° of each revolution fluid under pressure is admitted to one end of the cylinder and during the second 180° to the opposite end thereof.

2,582,333
MULTIPORT ROTARY DISK VALVE
William Horodeck, Elmhurst, N. Y., assignor, by mesne assignments, to Cochrane Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 17, 1948, Serial No. 21,650
5 Claims. (Cl. 137—139)



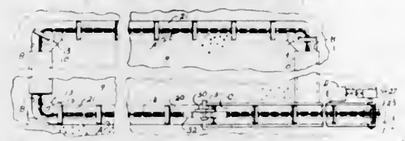
5. In a multiport valve, the combination with a structure incorporating a body having a series of chambers arranged about a central hub portion of the body and having inlets opening into one face of the body, a housing on the body having an inlet and a valve rotor in the housing rotatable to different positions to variously control the chamber inlets, said rotor being axially movable to unseat it and thereby free it for rotation, of a shaft journaled in the housing and reciprocably coupled relative to the rotor but rotatable therewith, a motor device mounted on the face of the body remote from the chamber inlets, an actuating member mounted in the hub portion of the body with freedom for endwise movement in the direction of the axis of the rotor, said member extending from the motor device to the rotor whereby said motor device can unseat and free said rotor for rotation and means for rotating the shaft and thereby the rotor.

2,582,334
THERMOSTATIC FUEL CONTROL SYSTEM
Frederick H. Huntley, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application August 25, 1949, Serial No. 112,369
11 Claims. (Cl. 236—68)



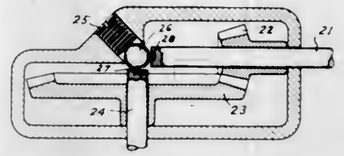
1. In a control device adapted for regulating the supply of liquid fuel to a liquid fuel burner comprising a casing having a chamber for liquid fuel and an outlet from said chamber, a metering valve for regulating the flow of fuel through said outlet, a motor operable when energized to shift said metering valve from pilot to high fire position, means for yieldably resisting the action of said first motor and retarding the rate of movement of the valve in an opening direction under the influence of said first motor, and a second motor operable when energized to render said means ineffective to resist the action of the first motor.

2,582,335
BARN GUTTER CLEANER
Henry H. Johanning, Sheboygan Falls, Wis.
Application August 9, 1948, Serial No. 43,195
3 Claims. (Cl. 198—173)



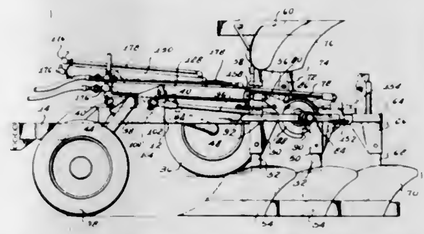
1. A barn gutter cleaner of the character described comprising, four gutters connected together at their ends, a relatively small trench in the bottom of the gutters and in the transverse center thereof, wheels positioned at the intersection of said gutters, comprising spaced discs and a hub, and being rotatably mounted on a downwardly extending shaft, one of said gutters being cut out for a distance intermediate the ends thereof and having an ascending gutter connected to its delivery end, its upper end being a considerable distance above the floor of the building, and having a chain carrying and driving sprocket, and driving means operatively connected thereto, another wheel positioned under said ascending gutter and near the lower end thereof, an endless log chain adapted to lie in said trenches and be carried by said wheels and other wheel and sprocket, scraper blades secured to said log chain in spaced relation and adapted to lie on the bottom of said gutters and assist in carrying the chain, guiding means at the intersecting ends of the ascending gutter and the delivery end of its gutter adapted to hold the chain from lifting out of the trench.

2,582,336
ANGLE DRIVE
Charles A. Koza, Pittsburgh, Pa.
Original application April 21, 1948, Serial No. 22,361. Divided and this application September 4, 1948, Serial No. 47,936
4 Claims. (Cl. 74—416)



1. An angle drive comprising, in combination, a housing, a shaft rotatably mounted in said housing, a second shaft rotatably mounted in said housing at an angle with respect to said first shaft, a bevel gear coaxial with and rigidly secured to each of said shafts so as to mesh with each other within said housing, an anti-friction spherical surface provided on the adjacent faces at the ends of said shafts, an adjusting screw extending through said housing and along a line extending through the points of intersection of the extended axes of said shafts, and an end thrust element having angularly disposed faces held against said spherical surfaces by said adjusting screw.

2,582,337
TWO-WAY PLOW
Sigurd Kaltoft, Bakersfield, Calif., assignor of one-half to George Delfino and Sons, Bakersfield, Calif., a copartnership
Application May 16, 1950, Serial No. 162,245
4 Claims. (Cl. 97—25)



1. In a plow, a frame supporting ground wheel having a support in the form of a frame connection swingable longitudinally of the frame in an arc to raise and lower the frame, a plowshare support swingable on said frame and relative to said wheel support, a pair of movable power devices having a common power source connection, one of said power devices being connected to said ground wheel frame connection to swing the same, the other power device being connected to said plowshare support to swing the same, a control device having portions movable into locking positions relative to said wheel support and plowshare support in response to the relative positions of said supports.

2,582,338
POCKET HATRACK
Shefford L. Keene and Richard T. Palmer, Hampton, Va.
Application June 22, 1951, Serial No. 232,972
3 Claims. (Cl. 24—3)

1. A pocket hat rack comprising a pair of parallel body members, means rigidly connecting

said body members in spaced relation, a hinge member rotatably secured on one body member, a stud member, means rigidly connecting said stud member to said hinge member and arranged



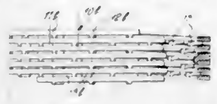
to at times support said stud member in a position axially aligned with said second body member, and releasable latch means on said second body member arranged to lockingly secure said stud member in said axially aligned position.

2,582,339
ANIMAL RESTRAINING DEVICE
Henry C. Krueger, Clear Lake, Iowa
Application August 24, 1950, Serial No. 181,237
2 Claims. (Cl. 119—153)



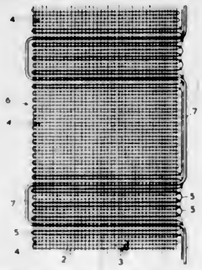
1. An animal restraining device including an elongated tubular member, one end portion of said tubular member being formed non-circularly, a plunger of non-circular cross section slidable in said end portion of the tubular member, the other end portion of the tubular member being transversely flattened to provide a transversely elongated space, an elongated steel cable secured at one end to said plunger, said cable projecting through the tubular member and projecting out of said space, said space permitting lateral movement of the projecting cable in a single plane only, the projecting portion of the cable being formed as a loop, a keeper rigidly secured to the tubular member externally thereof at the flattened end of the tubular member, said keeper being U-shaped and aligned transversely with said space to provide a second space for lateral movement of the cable in a single plane only, each of said spaces accommodating one end of said loop, and the other end of the cable being secured to said keeper.

2,582,340
PLASTIC EDGE TYPE FILTER
Ralph R. Layte, Westfield, N. J., assignor to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
Application March 25, 1948, Serial No. 17,084
2 Claims. (Cl. 210—169)



1. In combination with a casing having an inlet and an outlet, a completely self-supporting filter unit comprising a helix composed of a thin narrow ribbon of plastic material with its width substantially normal to the axis of the helix, spacing ribs extending transversely of the ribbon on a wider face thereof, and aligning lugs integral with said ribs and projecting beyond a thinner face of the ribbon and substantially normal to the said wider face to define shoulders engaging a thinner face of an adjacent helical turn of said ribbon thereby aligning said turns.

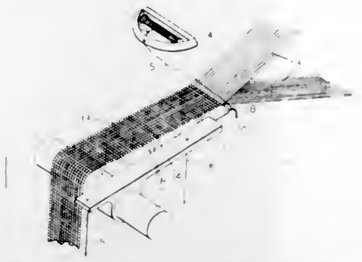
2,582,341
ELECTRICAL DEVICE
James Frederick Levers and Richard Vernon Patchett, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application June 3, 1947, Serial No. 752,188
In Great Britain June 3, 1946
3 Claims. (Cl. 201—63)



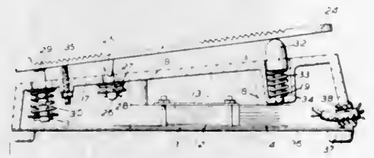
1. An electrical resistance comprising a plurality of elements useful as strain gauges, said elements being in the form of a ribbon woven from a warp of electrically insulating yarn and a weft having a plurality of sections of predetermined length and a pair of connecting leads between each pair of sections, said weft comprising a wire of a uniform diameter of at the most approximately 0.003", said wire forming a plurality of contiguous picks in each section and being continuous throughout the length of said sections and connecting leads, and at least one pair of picks of insulating yarn separating each section from each adjacent connecting lead and at least one further pair of picks of insulating yarn separating adjacent connecting leads from each other.

2,582,342
METHOD OF WEAVING ELECTRICAL RESISTANCE DEVICES
James Frederick Levers and Richard Vernon Patchett, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application August 18, 1949, Serial No. 110,998
In Great Britain June 3, 1946
2 Claims. (Cl. 139—118)

1. A method of making an electrical resistance, said method comprising weaving a ribbon from a warp of electrically insulating yarn and a weft comprising a continuous wire of substantially uniform cross section, and, at intervals during weaving, passing the weft between successive picks, around a member spaced apart from and out of contact with the edge of the fabric so as to retain a loop of the weft extending beyond the edge of the ribbon.



2,582,343
VARIABLE RESISTANCE
Arthur Lilley, Boreham Wood, England
Application January 28, 1950, Serial No. 141,115
In Great Britain January 28, 1949
9 Claims. (Cl. 201—48)



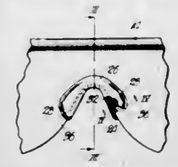
1. A variable electric resistance comprising a stack of parallel flexible contact springs, resistance elements located and clamped between said springs as a unitary stack assembly, each element being connected to one of said springs and means to variably flex said springs progressively to bring said springs into common electrical contact according to the degree of flexure.

2,582,344
CATAMENIAL PAD
Josephine E. Milton, Ferguson, Mo.
Application August 21, 1950, Serial No. 180,679
5 Claims. (Cl. 128—290)



1. A catamenial device constructed entirely of superimposed plies of soft absorbent paper material, said device including a pair of upper flap portions, a similar pair of lower flap portions, a plurality of pad portions interposed between said upper and lower flap portions, and a single short line of stitching adjacent one end of the device for securing all of said plies together to form a unitary assembly, each of said upper and said lower flap portions being formed from a single sheet folded upon itself longitudinally of the device, and each of said interposed pad portions being formed from a single sheet folded and refolded upon itself, transversely of the device.

2,582,345
EYESHIELD STRUCTURE
William C. Moeller, Kansas City, Mo., assignor, by mesne assignments, to Parmelee Plastics Company, Kansas City, Mo., a corporation of Missouri
Original application October 7, 1946, Serial No. 701,638. Divided and this application March 22, 1948, Serial No. 16,332
1 Claim. (Cl. 88—55)



In spectacles, an eye shield having a nose recess formed therein; a substantially U-shaped padding element adapted to rest upon the nose of the wearer of the spectacles and of pliable material capable of conforming to the shape of the nose and to the shape of said recess, said element being fitted within the recess at the bight thereof and having a groove receiving the proximal edge of the shield, and a substantially U-shaped resilient member embedded within the element having the ends of the legs thereof biased apart for holding the element in frictional engagement with said edge of the shield, each of said ends of the legs of said member being provided with a laterally projecting ear extending into said groove, said shield having ear-receiving notches formed therein at said edge thereof.

2,582,346
COOKY BAG
Charles D. Mullinix, Los Angeles, Calif.
Application March 29, 1946, Serial No. 658,120
1 Claim. (Cl. 229—55)



A bag of the character described comprising a tubular envelope consisting of transparent front and back walls connected at their sides along a single fold line when in the flat position, a substantially rectangular stiffening sheet having inherently the same stiffness in all directions of bending and being disposed within said envelope and attached to the back wall thereof and extending longitudinally from the bottom of the envelope to a point spaced from the top edge thereof, said stiffening sheet being longitudinally narrower than said back wall, that portion of the envelope extending above said stiffening sheet being foldable over to close the top of the bag, said stiffen-

ing sheet being scored centrally and longitudinally throughout its length to form a hinge line along which said stiffening sheet may be hinged, such construction providing a normally flat, open ended bag, which, when the stiffening sheet is hinged toward the front, will bellow out to assume a shape, the cross section of which is substantially an arcuate segment, thereby to enable the bag to be readily filled.

2,582,347
PLANOGRAPHIC PRINTING
Douglas A. Newman, Port Washington, N. Y., assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y., a corporation of New York
No Drawing. Application March 8, 1945, Serial No. 581,720
24 Claims. (Cl. 101—149.2)

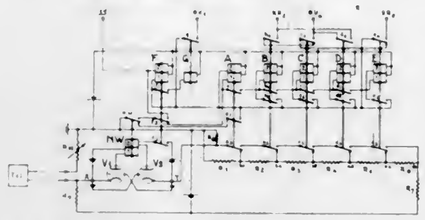
24. A planographic plate having an ink-receptive water-repellant image thereon and having a substantially solid hydrophilic film comprising essentially a water insoluble carboxymethyl cellulose compound forming a mask around the image over the background of the plate.

2,582,348
CONTROL SYSTEM FOR AIRCRAFT CONTROL SURFACES
John K. Northrop and Thomas A. Feeney, Los Angeles, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application July 8, 1946, Serial No. 681,890
7 Claims. (Cl. 244—75)



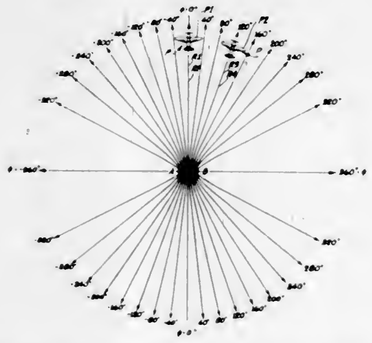
1. In a tailless airplane having an extended trailing edge, control surfaces forming portions of said trailing edge comprising a pair of elevons symmetrically positioned on each side of the center of said trailing edge, a pair of trim flaps symmetrically positioned adjacent said elevons and outboard thereof and capable of upward and downward movement, a pair of drag flaps mounted on each of said trim flaps capable of being separated and forming a part of the trailing edge of each trim flap when closed, right and left pilot operable rudder bars connected to separate the drag flaps on the respective trim flaps, a primary pilot operable pitch and roll control comprising a primary control column connected to move said elevons simultaneously upwardly and downwardly, and also connected to move said elevons in opposite sense to control said airplane by conventional piloting movements, and a secondary pilot operable pitch and roll control comprising a power actuator of the locking type for each of said trim flaps and connected to move said trim flaps upwardly or downwardly in accordance with directional energization of said actuators, a secondary pitch and roll control column having a neutral position and movable radially therefrom to a plurality of circumferentially spaced positions, power actuator energizing means positioned at each of said positions and operated only when said secondary control column is moved to said positions by the pilot, and elastic means normally centering said control column to deenergize said power actuators, each of said power actuator energizing means being connected to said power actuators to move both of said trim flaps in directions providing airplane controlling forces conventional with respect to the direction of movement of said secondary control column away from neutral, whereby trim can be achieved by instinctive pilot control of said secondary control column during the piloting of said airplane by use of said primary control column and rudder bars, thereby removing trimming displacements from these latter controls.

2,582,349
SELECTING SYSTEM
Roelof Maarten Marie Oberman, The Hague, Netherlands
Application April 21, 1948, Serial No. 22,426
In the Netherlands April 21, 1947
11 Claims. (Cl. 177—353)



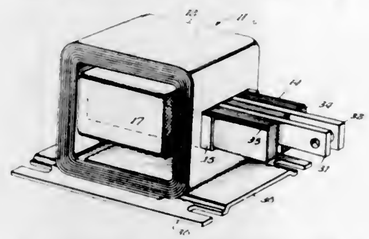
1. A selecting system responsive to different electrical signals forming pairs each comprising two contiguous signal criteria comprising in combination: a selecting means; a potential discriminating device; means connected to said discriminating device for controlling said selecting means; means operated by said selecting means for communicating information to said discriminating device, any such information being responsive to a pair of two contiguous signal criteria; and means for a final discrimination between odd and even signal criteria.

2,582,350
RADIO BEACON SYSTEM
William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Application October 7, 1946, Serial No. 701,745
In Great Britain June 4, 1941
23 Claims. (Cl. 343—105)



1. The method of guiding a vehicle along a selected course which consists in simultaneously radiating from spaced locations synchronised radio waves of different but harmonically related frequencies having a fixed multiple phase relation to each other to define a locus of points of predetermined multiple phase relation between said synchronised waves and coinciding with said selected course, separately receiving at said vehicle the waves from each of said locations, multiplying the frequency of one of said separately received waves to provide two radio frequency signals of identical frequency, comparing the phase of said signals to determine their phase relationship, and indicating departures of said determined phase relation from said predetermined multiple phase relation to indicate departures of said vehicle from said selected course.

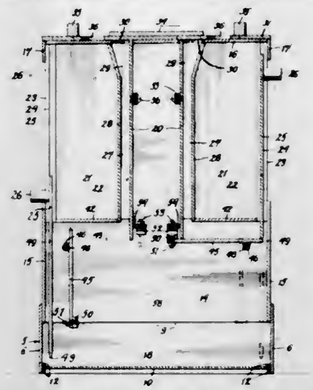
2,582,351
ALTERNATING CURRENT PLUNGER TYPE SOLENOID
Ray G. Olson, Glenview, Ill., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application May 11, 1946, Serial No. 669,050
3 Claims. (Cl. 175—338)



1. In a solenoid of the plunger type, a laminated open magnetic frame comprising a continuous strip of magnetic material, each successive lamination being tightly wound on the previous adjacent lamination and each successive cross-section of said continuous strip being radially displaced from the preceding one, said frame being formed with a radial plunger aperture, a plunger-guide member disposed in and projecting through said aperture, and an exciting winding around said guide member and latch means on said guide member positioned wholly within the winding-receiving opening in said frame and engaging said frame for securing said guide member therewithin.

2,582,352
DISPENSING APPARATUS
Roy W. O'Shaughnessy, Lockport, N. Y.
Application April 16, 1949, Serial No. 87,971
4 Claims. (Cl. 194—18)

1. A coin controlled dispensing apparatus comprising a casing having a compartment for the article to be vended, a closure for said compartment and movable to an open position in which the contents of the said compartment are accessible, a straight vertical coin chute in said casing arranged alongside and extending the full height of said compartment and having its upper end arranged to receive a coin, a swinging latch member having a vertically movable part arranged below the lower end of said coin chute and said latch member in the elevated position of said movable part being arranged to engage and latch said closure in its closed position, and a magnet and magnetically permeable member, one mounted on said latch member and the other on said casing and normally holding said movable part of said latch member in an elevated position under the lower end of said coin chute, said chute being of sufficient height whereby said movable part of said latch member is driven downwardly to remove said magnetically permeable member from the concentrated field of said magnet by the impact of a coin of the proper

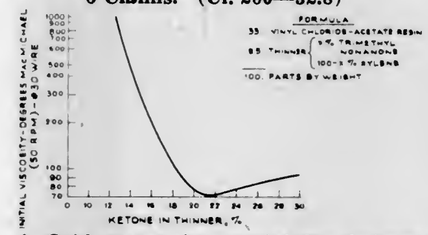


size falling the full height of said coin chute and striking said movable part of said latch member.

2,582,353
MILK PROTEIN PRODUCTS AND PROCESS
Everett P. Partridge, Beaver, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application January 18, 1946, Serial No. 642,019
15 Claims. (Cl. 99—54)

1. A composition of matter comprising milk protein and water-insoluble crystalline potassium metaphosphate, said crystalline potassium metaphosphate having been prepared by heating at a temperature between about 600° C. and a temperature just below its melting point.

2,582,354
DISPERSIONS OF VINYL CHLORIDE RESINS
George M. Powell, 3rd, South Charleston, and Theodore E. Mullen, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application October 20, 1948, Serial No. 55,458
6 Claims. (Cl. 260—32.8)

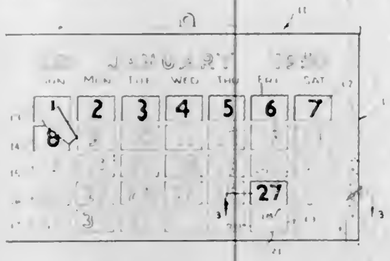


1. A fluid suspension containing between 25 and 65% by weight of solid particles of an emulsion-polymerized vinyl chloride resin containing from 80 to 100% combined vinyl chloride, said resin particles being suspended in an organic liquid containing 2,6,8-trimethyl-4-nonanone as a dispersant.

2,582,355
DATE-REMINDER SHEET
Allan Ratner, Newark, N. J.
Application October 13, 1950, Serial No. 190,002
2 Claims. (Cl. 283—2)

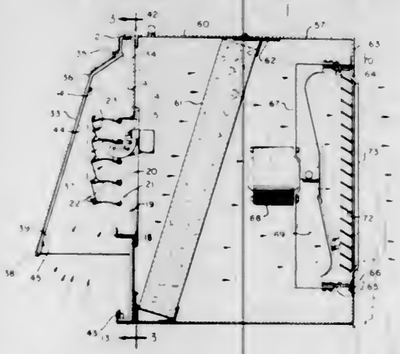
1. The combination with a month calendar sheet having horizontal rows of day-indicating

numerals thereon, of a transparent sheet overlying the calendar sheet through which the day-indicating numerals are visible, said transparent sheet being formed with flap areas registered with the individual calendar numerals, said areas being defined by a pair of score-lines which intersect to define two adjacent sides of a flap



and two cut lines which intersect to define the two other adjacent sides of a flap by means of which a portion of the flap is disconnected from the sheet, said portion being arranged to be grasped for tearing the flap from the sheet to form an opening in the sheet serving as a frame for the subjacent calendar numeral and directly exposing such numeral to view.

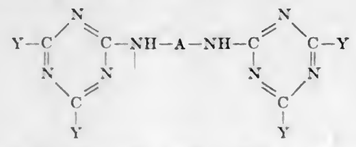
2,582,356
VENTILATING DEVICE
John R. Rauhut, Chicago, Ill.
Application October 30, 1947, Serial No. 783,206
4 Claims. (Cl. 98—94)



1. In a ventilator adapted to be placed in an opening in the wall of a room, an open ended housing having a top positioned in said opening in said wall, said top of said housing being provided with an opening therein adjacent one open end of said housing, said one open end of said housing being adapted to receive incoming air from the atmosphere outside of said room, closure means positioned in said one open end of said housing and secured to the adjacent portion of said housing for opening and closing said one open end of said housing, a fan positioned within said housing intermediate the ends thereof and secured thereto, said fan being adapted to increase the velocity of the incoming air entering through said one open end of said housing and project it at a greater velocity through the other open end of said housing and into said room, a plate extending from one side of said housing and positioned in said opening in said wall, said plate being provided with an opening therein to serve as an outlet for the outgoing air in said room, a hood positioned over said one open end of said housing and said plate and having one end dependingly supported from said housing and said plate, the other end of said hood being spaced from said housing and said plate, a partition plate positioned within said hood between said one open end of said housing and said opening in the first named plate and secured to said first named plate and said hood, said partition plate serving to separate the air going into said room from the air going out of said room, said one open end of said housing and said partition plate and the adjacent portion of said hood forming an inlet chamber to collect outside air and direct it into said one open end of said housing, said first named plate and said partition plate and the adjacent portion of said hood forming an exhaust chamber for air going out of said room, and a door positioned over said opening in said top of said housing and pivotally connected to the latter and adapted to uncover said opening in said top of said housing to permit ingress of room air into said housing and out said other open end of said housing and into said room for recirculation.

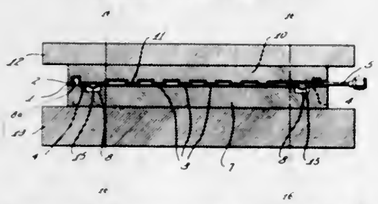
2,582,357
POLYVINYL ALCOHOL GELS WITH BIS-1,3,5-TRIAZINE COMPOUNDS
Donald E. Sargent, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 7, 1949, Serial No. 69,841
5 Claims. (Cl. 260—29.6)

1. A thermo reversible gel composed of water and polyvinyl alcohol mixed with a gelling amount of a substantially colorless 1,3,5-triazine derivative of the formula:



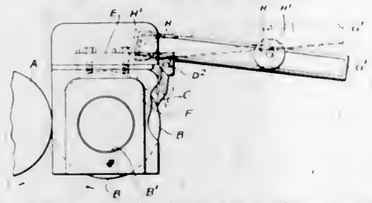
wherein Y is selected from the group consisting of an amino group, alkoxy, aryloxy and hydroxy, and —NH—A—NH— is the residue of a substituted compound selected from the group consisting of benzidine, bis-(aminobenzamino)-diphenyl, dianisidine, benzidine sulfone, diamino-diphenylurea, diamino-diphenylthiourea, diaminostilbene, diaminotoluene, amino-aminobenzamino-toluene, bis-(aminobenzamino)-toluene, and diaminobenzene, in which A contains a water-solubilizing substituent.

2,582,358
METHOD OF PRODUCING STIFFENED SKIN PANEL
Alvin Leo Schoellerman, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application June 8, 1948, Serial No. 31,757
1 Claim. (Cl. 113—51)



The method of producing a stiffened skin panel which comprises superimposing a skin sheet and a stiffening sheet, both of said sheets being substantially flat except for oil can distortions and the like, sealing the edges of said sheets together except at one opening, clamping said sheets within a die comprising a substantially flat skin member contacting all of said skin sheet except for a ring portion adjacent, but not including, said edges, and a stiffening member contacting said stiffening sheet except for portions defining a stiffening pattern when said stiffening sheet is expanded and applying hydraulic fluid under pressure through said opening to expand said stiffening sheet into said stiffening pattern and to flatten said skin sheet against said skin member and to simultaneously apply a tensioning stress to said skin member by drawing skin metal into said ring portion, removing said expanded sheets from said die and trimming said panel by removing the sealed edges and the portion carrying the metal drawn into said ring portion of the die.

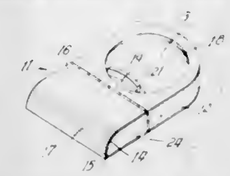
2,582,359
ROLLER STRIPPING APPARATUS
Percy Shaw, Boothtown, Halifax, England
Application February 12, 1948, Serial No. 7,879
In Great Britain December 6, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires December 6, 1966
5 Claims. (Cl. 15—256.5)



1. In a roller stripping apparatus comprising support means and having a stripping roller rotatably supported by the support means, the combination of a pair of bearings mounted on said support means in axial parallelism with the stripping roller; a stripping knife having end portions forming a pivot axis pivotally mounted in said bearings to be rockable toward and away from said stripping roller, said stripping knife being radially pendant from said pivot axis; an elongated rocking frame rigid with the upper portion of said stripping knife and extending transversely across the latter a predetermined distance inwardly past the pivot axis thereof toward said stripping roller and also a predetermined distance in the opposite direction past said pivot axis away from said stripping roller; a movable weight member supported on said rocking frame and adapted to move upon the latter from one side of said pivot axis to the other side thereof; and means for guiding said weight member in movement on said rocking frame.

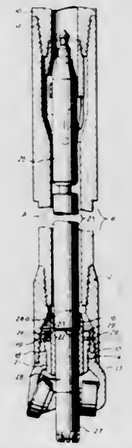
2,582,360
CONTAINER HAVING SLIDABLE CLOSURE
Virginia R. Sheridan, Chicago, Ill.
Application May 24, 1946, Serial No. 672,089
1 Claim. (Cl. 220—41)

In an elongated powder box having a first compartment and a second compartment longitudinally aligned, said first compartment having an opening in its top, and both of said compartments having guideways underlying the top walls thereof, the second compartment having a top wall extending in curved formation from a point adjacent the level of the top wall of said first compartment to the bottom of said powder box; a flexible cover slidably mounted in said guideways, movable to open and close the opening in said first compartment, and when in open posi-



tion being accommodated in said guideways beneath the top of said second compartment.

2,582,361
CORE TAKING APPARATUS
John C. Stokes, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application April 4, 1949, Serial No. 85,409
5 Claims. (Cl. 255—72)



1. A shock absorbing device for retrievable core-taking apparatus including a fluid filled cylinder having an imperforate wall mounted within a drill pipe, an internal seat within the cylinder whereby the bore of the cylinder above the seat is enlarged, and a piston mounted on the core barrel for co-acting with said cylinder to cushion the shock caused by dropping of the apparatus through the drill pipe, said piston having a shoulder engageable with said seat and said cylinder being located to receive the piston just prior to the final positioning of the core taking apparatus within the drill pipe.

2,582,362
PHOTOGRAPHIC TRIPLET OBJECTIVE
Philip H. Taylor, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application July 3, 1950, Serial No. 171,789
2 Claims. (Cl. 88—57)



1. An objective lens of the character described comprising three axially aligned and air-

spaced lens members, the first and third members being simple collective bi-convex lenses, the second member being a dispersive bi-concave lens, and an aperture stop in the air space between said first and third members, said system having the following prescription:

Prescription	Glass	N_F	N_D	N_C	V
$r_1 =$ 2.2223 $d_1 =$ .2000	BSC-2	1.52264	1.51700	1.51462	64.5
$r_2 =$ −46.3671 $d_2 =$ 1.1453					
$r_3 =$ −2.2699 $d_3 =$ .1000	DF-2	1.62901	1.61700	1.61216	36.6
$r_4 =$ 2.0129 $d_4 =$ .6326					
$r_5 =$ 7.1082 $d_5 =$ .3000	LBC-2	1.57950	1.57250	1.56690	57.8
$r_6 =$ −1.9900					

where

r is the radius length for an element surface;
d is the axial thickness of an element;
N_F is the index of refraction for the F line of hydrogen (4861 Å.);
N_D is the index of refraction for the D line of sodium (5893 Å.);
N_C is the index of refraction for the C line of hydrogen (6563 Å.);

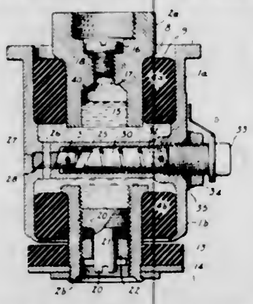
$$V = \frac{N_D - 1}{N_F - N_C};$$

BSC–2 is a borosilicate crown glass;
DF–2 is a dense flint glass;
LBC–2 is a light barium crown glass;
f' is the focal length; and
$1'$ is the back focal length.

2,582,363
FLUID-MODIFIED MOUNTING

Leon F. Thiry, Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Original application December 13, 1944, Serial No. 568,041. Divided and this application March 26, 1947, Serial No. 737,295
11 Claims. (Cl. 248—358)

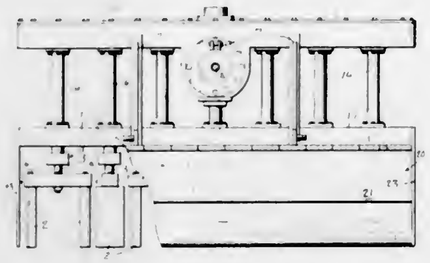


6. A vibration-absorbing mounting for absorbing vibration between two relatively movable elements comprising a housing having a portion for connection to one of said relatively movable elements and having two axially spaced, generally tubular portions, an annular resilient member within each of said housing portions and carried in fluid-tight relation with the walls thereof, a rigid inner member carried by each of said resilient members and being movable with respect to said housing by distortion of said resilient member, said inner members being spaced apart and movable relative to each other and at least one having a portion for connection to another of said relatively movable elements, said housing, said inner members and said resilient members defining a cavity adapted to receive and retain fluid under pressure, liquid in said cavity, a closable passageway through portions of at least one of said inner members for filling said cavity with liquid, and means for adjusting the pressure on said liquid while said mounting is in use, whereby upon axial deflection of one of said inner members relative to said housing, deflection of the other of said inner members occurs through action of said fluid.

2,582,364
SOIL CONDITIONER

Reuben S. Tice, Monterey County, Calif.

Application October 21, 1946, Serial No. 704,688
2 Claims. (Cl. 97—43)

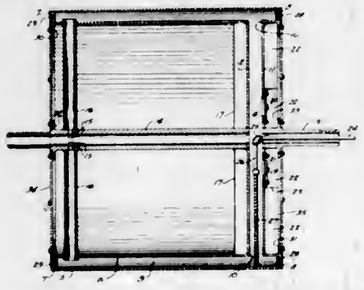


1. A soil conditioner and mechanical sterilizer comprising a vehicle adapted for movement over the ground in one direction, a horizontal, row of horizontally spaced vertical shafts supported on said vehicle for rotation about vertical axes, a pair of horizontally spaced vertically extending blades secured to the lower end of each of said shafts in positions extending downwardly therefrom, means for rotating said shafts about their axes, means supporting said shafts for said rotation with said blades extending into the ground, and a hood extending over and around said blades and substantially in engagement with the surface of said ground to retain the soil cut by said blades in close proximity to the latter said hood having forward and rear side walls relative to the direction of travel of said vehicle supported for vertical movement independently of each other and said blades.

2,582,365
DRIER ROLL

Walter Westphal, Milwaukee, Wis., assignor to Rexford Paper Company, Milwaukee, Wis., a corporation of Wisconsin

Application May 19, 1948, Serial No. 27,980
7 Claims. (Cl. 34—124)

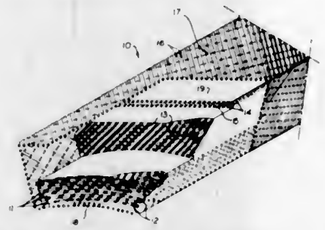


1. In a revoluble drier roll: a tubular cylindrical shell having at least one open end; a jacket for said shell forming an annular heating fluid chamber on the inner surface of said shell; walls defining a transverse circular heating fluid chamber coaxial with said shell and communicating around its entire periphery with said annular fluid chamber; a heating fluid conduit entering said circular chamber axially of said shell; and a condensate exhaust conduit fixedly disposed within said circular chamber and opening into the annular fluid chamber near the bottom thereof, said exhaust conduit having a portion extending outwardly of said circular chamber through said heating fluid conduit.

2,582,366
POWER TRANSMISSION BELT

Thomas F. White, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado

Application December 12, 1949, Serial No. 132,577
4 Claims. (Cl. 74—233)

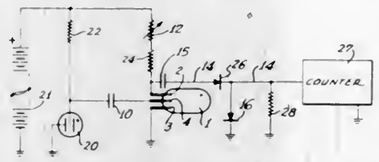


1. In a V-belt, a core comprising; a plurality of substantially flat layers of textile material bonded together and disposed adjacent the inner narrow side of the belt, a plurality of layers of tension cords disposed above the first named layers bonded thereto and together, at least one cross-tie layer disposed above the cord layers, the cross tie layer being of a material strong in tension in a direction transversely of the belt and weak in tension in a direction longitudinally of the belt; and a cord fabric cover surrounding the core and bonded thereto, the cords extending in a direction transversely of the longitudinal direction of the belt.

2,582,367
GLOW TUBE PULSE AMPLIFIER

Charles R. Williams, Hawthorne, and Glenn E. Hagen, Lawndale, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California

Application June 3, 1950, Serial No. 165,999
4 Claims. (Cl. 250—27)

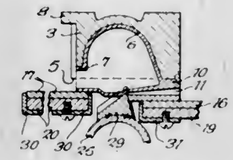


1. A pulse amplifier comprising a tube having an envelope containing an anode, a cold cathode, a cold trigger electrode and a filling of ionizable gas at glow discharge pressure providing a negative voltage-current curve slope, a source of potential greater than the firing voltage of said tube, connected across said anode and said cathode, resistance means in series with said source and said anode to adjust said tube to glow stably between said anode and said cathode close to an unstable condition on the negative slope of said curve, input means for applying a negative pulse to said trigger electrode to extinguish said glow, said glow being re-established automatically due to voltage rise through said resistance means, a capacitor and diode series combination connected in shunt across said anode and said cathode providing a means of storage of energy from said source during extinction time of said glow, and an output line connected across said diode and said cathode to emit a negative pulse generated by said glow re-establishment.

2,582,368
MEANS FOR FORMING CHANNELS IN THERMOPLASTIC MATERIALS

Paul A. Williams, West Seneca, N. Y., assignor to Glenn Confections, Inc., Buffalo, N. Y.

Application March 17, 1949, Serial No. 81,894
5 Claims. (Cl. 18—1)



2. An apparatus for forming whistle vent openings in hollow whistle shells of thermo-plastic material and of the type having a sound chamber and a stem with an air passage leading towards said chamber, which comprises a pair of endless belts disposed with parallel, generally horizontal runs side by side but slightly spaced apart, on which a row of whistle shells may be supported in bridging relation between the said runs, a support upon which each of said runs moves and which holds the runs from sagging, each support being vertically adjustable separately from the other, and a rod disposed between said runs, extending lengthwise in the same direction as the runs, and having an upwardly convergent lengthwise rib between said runs, means for moving said belts at the same rate and in the same direction to carry said shells along and in contact with said rib, and means for heating said rib, said rib projecting above the faces of said belt runs an extent increasing progressively in the direction of travel of the belts so as to melt a whistle vent opening into said shells to progressively greater depths as they travel on the belts.

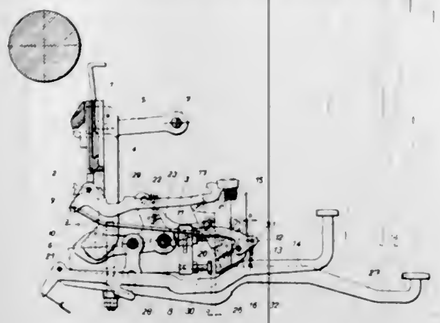
2,582,369
TYPE BAR MECHANISM FOR TYPEWRITERS WITH SEGMENT SHIFT DEVICE

Johann Friedrich Wunderlich and Otto Brandenburg, Nurnberg, Germany, assignors to Firma Triumph-Werke Nürnberg A. G., Nurnberg, Germany

Application February 24, 1949, Serial No. 78,206
In Germany October 1, 1948
6 Claims. (Cl. 197—27)

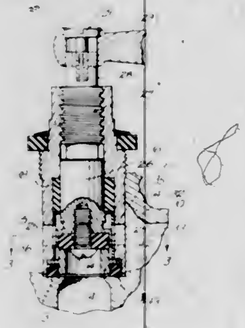
1. In a typewriting machine, in combination with a stationary framework and a set of key levers, a set of type bars, a segment bracket on which said type bars are pivotally mounted, means for vertically shifting said segment bracket substantially without horizontal shifting, a bell crank and bar connections jointed between each key lever and its associated type bar, a bell crank bracket on which said bell cranks for actuation of said type bars are pivotally mounted, said segment bracket and said bell

crank bracket being separately mounted in the stationary framework of the machine, means for supporting said bell crank bracket for shifting, and means for shifting said bell crank bracket under control of the vertical shifting of



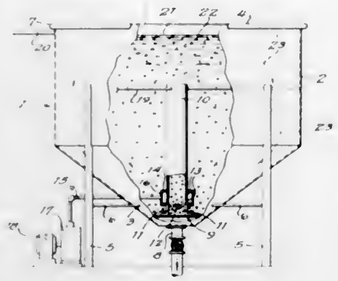
the segment bracket by an amount sufficient to compensate for the displacement of the bar connection between each bell crank and its associated type bar due to the vertical shifting of the segment bracket.

2,582,370
VALVE
William F. Albrecht, Salt Lake City, Utah
Application September 26, 1947, Serial No. 776,221
2 Claims. (Cl. 277—64)



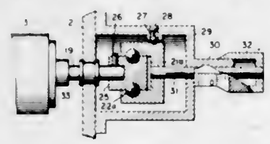
1. In a valve, a main valve body provided with an outlet discharge chamber, there being a seal seat arranged in said body, said valve body having an inlet passage extending therethrough and communicating with said outlet chamber, a projection extending from said main body, a hollow retaining member extending through said projection and adapted to move towards and away from said seal seat, a ring provided with a flange and an upstanding seat positioned within said retaining member, a washer surrounding said ring and arranged to engage with said seal seat upon movement of said hollow retaining member toward the seal seat, a central member arranged in said hollow retaining member and mounted for longitudinal movement through the latter and provided with head means cooperable with said ring seat to control flow through said ring, said retaining member being provided with a plurality of openings in the walls thereof, a resilient packing arranged in embracing relation with respect to said central member and in sealing engagement with said retaining member, and an adjustable sleeve interposed between said packing and the flange of said ring, said sleeve having openings therein adapted to variably register with the openings in the wall of the retaining member for controlling the flow of liquid from the inlet passage to the outlet chamber, and manually operable means for adjusting said central member.

2,582,371
METHOD FOR PROCESSING OLIVES
Richard N. Ball and Edward Van Dellen, Visalia, Calif.
Original application October 18, 1948, Serial No. 55,078. Divided and this application January 9, 1950, Serial No. 137,594
4 Claims. (Cl. 99—156)



1. The method of processing ripe olives, which consists in placing olives and a liquid in a tank, introducing air under pressure at the base of said tank, and confining said air to a column along the axis of the tank to thereby induce movement of the liquid and olives centrally of the tank.

2,582,372
JUSTIFYING AND DIFFERENTIAL SPACING DEVICE FOR TYPEWRITERS AND THE LIKE
Ralph P. Clarkson, Milford, Conn.
Application July 23, 1948, Serial No. 40,244
2 Claims. (Cl. 197—84)

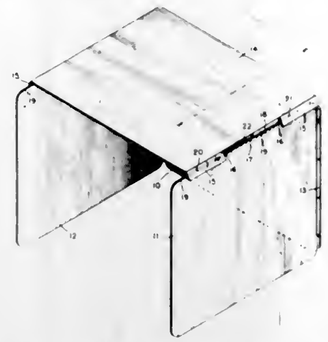


1. A fractional spacing device for a typewriter comprising a carriage, a housing supported by said carriage, a longitudinally-slidable platen assembly mounted on said carriage, a member connected to the platen assembly, a member having a threaded connection to the said housing, means to connect said members and an indexing device to indicate the travel of said platen assembly.

2,582,373
COOKING SHIELD
Letha O. W. Cordrey, San Diego, Calif.
Application July 20, 1950, Serial No. 174,873
1 Claim. (Cl. 126—299)

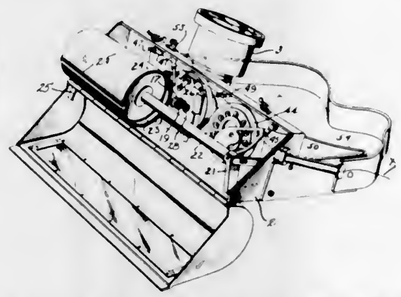
A spatter shield including foldable panels having a central panel and side panels hingedly connected to the opposite ends of the central panel, a detachable cover arranged when the panels are moved to their shielding position to extend across and engage the top edges of the side panels, the opposite ends of the cover adjacent the side panels each having a plurality of longitudinally disposed depending inclined flanges extending alternately in opposite directions and receiving

the top edge of a side panel and extending on opposite sides thereof when the parts are assembled so as to slidably and detachably connect the



cover to the side panels and insure the panels being maintained rigidly in a fixed shielding position and preventing lateral movement thereof.

2,582,374
MAP MAKING APPARATUS
John L. Dalke, Enid, Okla., assignor to the United States of America as represented by the Secretary of War
Application August 17, 1945, Serial No. 611,059
2 Claims. (Cl. 33—1)

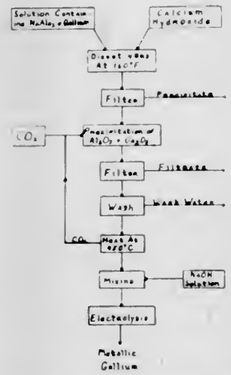


1. A map making apparatus adapted to be transported over a route to be mapped, comprising a main housing, a directional plotting means including a compass housing, a compass rotatably mounted within the compass housing, said compass housing being rotatably mounted upon said main housing, the said main housing enclosing a rotary disc bearing supporting means, perpendicular projections protruding from said disc bearing supporting means, a plotting wheel mounted on the said projections, a plotting drum actuated by the plotting wheel, a stationary stylus adjacent to the plotting drum in engagement with a marking surface carried thereon, said plotting drum being mounted for rotary and longitudinal movement, a distance plotting means consisting of a supply of flexible cable, a guide and tension mechanism for controlling paying out of the flexible cable, multiple sheaves adapted to receive selectively a turn of wrapping of the flexible cable, driving means interconnecting the sheaves and plotting wheel and driven by paying out movement of the flexible cable for rotating the sheave to impart rotary motion to said plotting wheel and the said plotting drum, and means for laterally shifting the plotting drum relative to the said stationary stylus responsively to rotation of the compass housing.

2,582,375
INSECT CONTROL WITH AN HYDROGENATED NAPHTHYLAMINE
Robert D. Englert, Henry J. Gerjovich, and Michel Pijoan, Boulder, Colo., assignors to The Chemical Foundation, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 28, 1947, Serial No. 731,704
6 Claims. (Cl. 167—32)

1. An improved method of controlling insects which comprises contacting the insects with an insecticide composition comprising as an effective ingredient hydrogenated naphthylamine dissolved in kerosene.

2,582,376
PROCESS OF PRODUCING GALLIUM
Francis C. Frary, Oakmont, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 5, 1947, Serial No. 739,538
15 Claims. (Cl. 204—105)

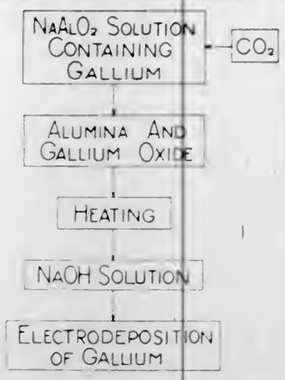


1. The method of producing a solution containing dissolved gallium from a solution containing alkali metal aluminate with gallium dissolved therein, comprising insolubilizing at least the major portion of the alumina values of the said solution by adding to that solution a calcium compound which will form precipitated calcium aluminate in the solution by reaction, thereafter precipitating gallium oxide from the solution, and subsequently dissolving the precipitated gallium oxide in a solvent therefor, the concentration of dissolved gallium in the last-mentioned solution being greater than the concentration of dissolved gallium in the first-mentioned solution.

2,582,377
RECOVERY OF GALLIUM FROM ALKALI METAL ALUMINATE SOLUTIONS
Ralph Waldo Brown, East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 11, 1947, Serial No. 740,981
6 Claims. (Cl. 204—105)

1. The process of preparing from an alkali metal aluminate solution containing dissolved gallium, a solution for the production of metallic gallium, comprising insolubilizing sufficient of the aluminum values of the solution that the atomic ratio of dissolved aluminum to dissolved gallium of the resultant solution is at least 25:1, subsequently co-precipitating alumina and gallium oxide from the latter solution by introducing

carbon dioxide into that solution, heating the said precipitate at a temperature of at least 300°



C., and thereafter dissolving the precipitate in an aqueous solvent therefor.

2,582,378

PROCESS OF PRODUCING GALLIUM

Ralph Waldo Brown, East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application September 17, 1947, Serial No. 774,687
2 Claims. (Cl. 204—105)

1. The process of producing gallium comprising the steps of forming an aqueous alkali metal aluminate solution containing dissolved gallium, decreasing the atomic ratio of aluminum to gallium in the resultant solution by insolubilizing sufficient of the dissolved aluminum values of that solution as calcium aluminate that the atomic ratio of dissolved aluminum to dissolved gallium in the solution lies in the range of from 25:1 to 100:1, subsequently co-precipitating gallium oxide and alumina from the said solution by introducing an acidic material thereinto, dissolving the co-precipitated gallium oxide and alumina in an aqueous alkali metal hydroxide solution, electrodepositing part of the dissolved gallium from the resultant solution as metallic gallium, thereafter mixing the gallium-bearing electrolyte from the last-mentioned step with additional aqueous alkali metal aluminate solution containing dissolved gallium, and employing the resultant mixture in the said second-mentioned step in further operation of the process.

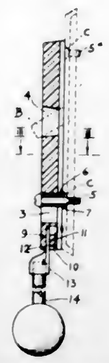
2,582,379

TOGGLE SWITCH OPERATING DEVICE

Morris Goldberg, Pittsburgh, Pa.

Application March 26, 1949, Serial No. 83,633
1 Claim. (Cl. 200—172)

An attachment for application to the switch plate of an electrical toggle switch, which switch has an operating lever projecting through the switch plate, the switch plate having upper and lower screws for retaining it on an outlet box, said attachment comprising an operating plate, ribs along the rear of the plate extending backwardly therefrom and making sliding contact with the switch plate to maintain the two plates in proper spaced relationship, said operating plate having an opening therethrough to receive and engage the switch lever and having a vertically cut slot positionable over one of the retaining screw positions when the operating plate is engaged on the lever, a hollow sleeve slidably retained within said slot by flanged ends whereby a screw may be passed through said sleeve and replace the usual switch plate retaining screw to hold the operating plate over the switch lever and on the switch plate and to hold the sleeve



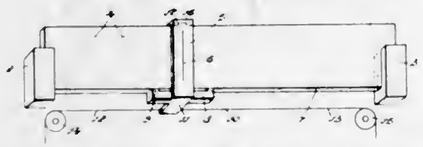
fixed for guiding movement of the operating plate on said sleeve to actuate the switch lever, and a depending operating extension for actuating said operating plate.

2,582,380

TUNING APPARATUS FOR RADIO RECEIVERS AND THE LIKE

Maarten Jan Groenenberg, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application April 24, 1946, Serial No. 664,494
In the Netherlands February 24, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 24, 1962
5 Claims. (Cl. 116—124.1)



1. Tuning apparatus for a radio receiving set, comprising a pair of support members mounted in spaced apart relation on the said set and respectively provided with bushings rotatable about a given axis, an oblong tuning dial plate having its end portions mounted on said bushings for a limited degree of rotary movement therewith and having uncovered upper and lower edge surfaces arranged parallel to said axis, a guide-shoe member, a pointer connected to said guide-shoe member, said guide-shoe member abutting said lower surface and said lower surface constituting a guide-path for the said guide-shoe, and belt-like means for moving said guide-shoe and therewith said pointer along the said guide-path.

2,582,381

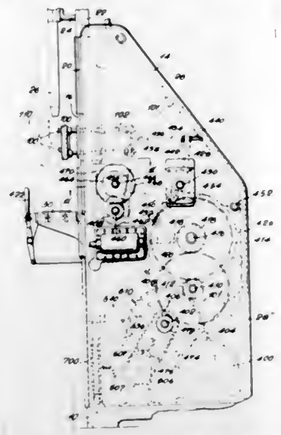
METHOD AND MEANS FOR OPENING BAGS

William E. Higginbottom, Newark, N. J., assignor to Benjamin C. Betner Company, Devon, Pa., a corporation of Delaware

Application August 8, 1945, Serial No. 609,621
7 Claims. (Cl. 53—8)

7. A machine of the class described comprising: means for opening the mouth of the bag; a plunger; means for inserting said plunger into said open bag mouth; and means operating at

right angles to said bag opening means for gripping two opposed walls of the bag to hold the



same against the plunger as the plunger enters the bag.

2,582,382

PRODUCTION OF ELECTRICAL STEEL STRIP

John M. Jackson, Middletown, and Victor W. Carpenter, Franklin, Ohio, assignors to Armco Steel Corporation, a corporation of Ohio

No Drawing. Application November 23, 1946, Serial No. 711,830
10 Claims. (Cl. 148—12.1)

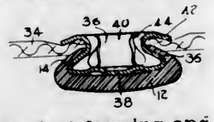
5. The method of economically producing electrical steel sheet stock which comprises hot rolling silicon steel to sheets of final gauge and subjecting the stock with its surfaces still covered with the hot mill scale to an open anneal in a reducing atmosphere within the range of substantially 1400° F. to substantially 2150° F., whereby to effect substantial reduction of the scale thereon to provide a product devoid of loose surface substances tending to flake off upon punching, of improved punching performance as respects die life, having a lowered carbon content, and enhanced magnetic characteristics.

2,582,383

METHOD OF MAKING CAPS FOR FASTENER MEMBERS

Walter I. Jones, Somerville, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application November 18, 1948, Serial No. 60,786
6 Claims. (Cl. 18—59)



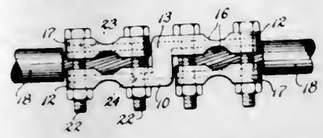
1. The method of forming and attaching one-piece metal free plastic caps for snap fasteners and the like, said caps having a base and an upstanding peripheral wall which comprises the steps of turning said wall inwardly about its circumference to form a recess and an opening disposed to receive and retain an expansible attaching member and assembling with the body an attaching member having a body-entering portion and a flange portion so that the body-entering portion expands into the recess and said flange portion retains the wall in the inwardly turned position.

2,582,384

CABLE CONNECTOR

Harry A. Knollman, Mount Orab, Ohio, assignor to Krueger and Hudepohl, Cincinnati, Ohio, a partnership

Application September 1, 1950, Serial No. 182,718
4 Claims. (Cl. 287—75)



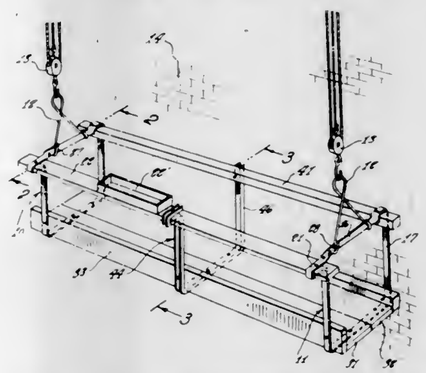
4. A cable binding and splicing clamp comprising an elongate unitary member having a pair of flat parallel end portions of substantially equal size and shape joined by an intermediate portion perpendicular thereto, the end portions having opposed major faces, each of said opposed major faces being provided with intersecting medial longitudinal and transverse grooves of substantially semi-circular transverse section, a plurality of members of substantially the size and shape of one of the end portions of said unitary member, and a plurality of actuating means whereby at least one of the plurality of members is retained in coinciding opposition to each end portion of said elongate member for clamping cables in substantially co-planar relation between said members.

2,582,385

SCAFFOLD CONSTRUCTION

Peter M. Knudsen, Katonah, N. Y.

Application April 2, 1949, Serial No. 85,235
1 Claim. (Cl. 304—16)



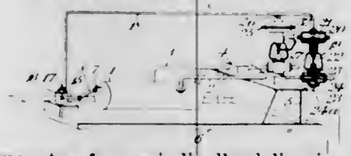
A scaffold construction comprising end brackets, each of said end brackets formed of a flat continuous strip having its ends secured together and having a bottom portion, inner and outer upright portions and a horizontal top portion connecting the upper ends of the upright portions together, one of said upright portions having a double bend therein at its connection with the top portion, longitudinally extending planks and members connected to the bottom portions of the brackets, an inner side rail connected to the upper ends of the inner upright portions of the brackets, and a top side rail extending into the double bend of the outer upright portion, said double bend being adapted to receive and contain the full width of the top side rail, said top portion of each bracket being twisted intermediate its length to extend with one of its narrow edges upright to give rigidity thereto and hanger mem-

bers respectively secured to the brackets and adapted for connection with pulley blocks, and an intermediate bracket formed of a channel strip having a bottom portion and inner and outer upright side portions, the upper end of the outer side portion having a double bend and adapted to receive the top outer side rail, said inner rail and the longitudinally extending planks and members being supported within the intermediate bracket.

2,582,386
BRIQUETTES AND METHOD OF MAKING SAME
Gustav Komarek and Walter J. Chapman, Chicago, Ill., assignors to Komarek-Greaves & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 4, 1950, Serial No. 177,757
8 Claims. (Cl. 75—3)

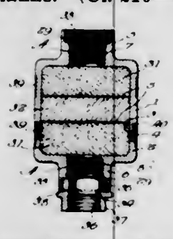
2. A briquette consisting essentially of from about 90 to 10% flue dust and from about 10 to 90% iron ore fines, clay in amount of about 1½ to 3½% on the basis of the combined dust and fines and an organic ammonium compound in amount of about .25 to 1% on the basis of the combined dust and fines.

2,582,387
LIQUID METERING DEVICE
Thomas Swan Macneish, Pointe a Pierre, Trinidad, British West Indies
Application April 28, 1947, Serial No. 744,346
In Great Britain May 21, 1946
2 Claims. (Cl. 137—103)



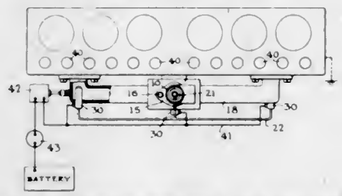
1. Apparatus for periodically delivering measured quantities of liquid from a vessel and in particular for metering liquids, comprising a vessel, a pipe connected with the vessel and functioning as a cantilever support for it, adapted to be flexed by the load of the vessel and the body of liquid accumulating therein, and thereby permitting displacement of the vessel, and valve means operatively connected with the vessel adapted by the displacement thereof to interrupt the supply of liquid to the vessel and effect the discharge of the body of liquid which has accumulated therein.

2,582,388
FILTER
Edward H. Mansfield, Chicago, Ill.
Application December 29, 1948, Serial No. 67,845
2 Claims. (Cl. 210—85)



1. A filter comprising a shell provided with tubular neck at opposite ends communicating with the interior of the shell and formed with a shoulder at the interior adjacent the juncture of the neck and body of the shell, a screening unit comprising a series of screens and a perforated plate arranged in each neck and seated on the shoulder at the inner end of each tubular neck, gaskets in each unit interposed between the several screens and plate thereof spacing the same appreciable distances apart, means for maintaining the units in the necks and the component parts of the units in assembled relation, the mesh of the screens in each unit varying from fine at the inner end adjacent the shoulder, to coarse intermediate the ends, and thence to fine at the outer end with the perforated plate being positioned intermediate the ends of the unit, and purifying and deodorizing material dispersed in the shell between said necks, consisting of layers of activated carbon and silica, the layer of silica disposed between the layers of activated carbon, and screens separating the layers.

2,582,389
CARBURETOR SYSTEM
Randall L. McDonnell, Hattiesburg, Miss.
Application February 16, 1949, Serial No. 76,735
7 Claims. (Cl. 123—122)



3. In a carburetor system having an air inlet, a discharge nozzle for spraying liquid fuel into the incoming air stream, and an intake manifold communicating with an engine fuel valve, in combination, means for collecting unvaporized fuel disposed in said air stream adjacent said discharge nozzle and on the down stream side thereof, a vaporizer for said collected unvaporized fuel disposed in said intake manifold adjacent said engine fuel valve, and means responsive to the pressure differential between the area adjacent the collecting means and the area adjacent the vaporizer for feeding said unvaporized fuel from said collecting means to said vaporizer and for discharging the resultant vaporized fuel from said vaporizer into said intake manifold adjacent said engine fuel valve whenever the pressure in the intake manifold is lower than the pressure adjacent the collecting means.

2,582,390
TIRE REMOVING APPARATUS OF THE PERCUSSION TYPE
Earl W. Moore, Oelwein, Iowa, assignor to Earl W. Moore and Harry A. Wardell, doing business as Wardell-Moore Machine Company
Application July 31, 1946, Serial No. 687,255
2 Claims. (Cl. 157—1.17)

1. The combination of a slip ram with a tire removing tool, said tool comprising an elongated shaft provided with a smooth outer bearing surface for the ram, a tire driving plate projecting laterally from one end of the shaft at an angle such that the plate lies substantially flat against the sidewall of a tire when the shaft is substantially perpendicular to the plane of the tire, said plate having a blunt forward edge which is wedge shaped in cross section and said plate having a downwardly convex bottom with the convexity of the bottom extending from side to side of the plate substantially parallel to said forward



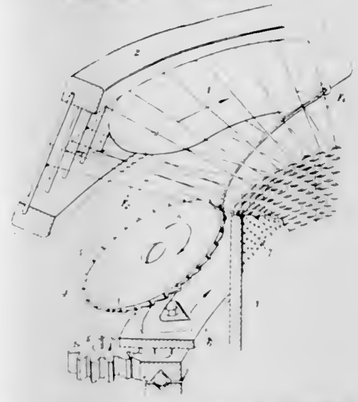
edge whereby to distribute the ramming force applied to the shaft by the slip ram uniformly over a large circumferential area of the tire.

2,582,391
FOUNTAIN PEN
John M. Morris, Atlanta, Ga.
Application November 4, 1949, Serial No. 125,407
1 Claim. (Cl. 120—46)



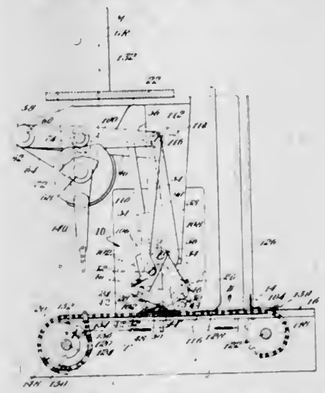
In a fountain pen, the combination of a barrel closed at one end and having a pen point holder at the other end thereof, an ink sack positioned in said barrel and connected at one end thereof to said holder, said ink sack having a closed end disposed in the closed end portion of the barrel, and a presser bar unit comprising a relatively long member extending longitudinally between the ink sack and the inner surface of the barrel, an outwardly offset shoe portion provided at one end of said long member and engaging the barrel at a point adjacent the closed end of the latter whereby the long member is spaced from the inner surface of the barrel and sustained in contact with said ink sack, a relatively short member constituting a continuation of said shoe and extending obliquely in the barrel in divergent relation to the long member, said short member having a free end in abutment with the barrel at a point diametrically opposite from the long member, the closed end portion of said ink sack being disposed between and contacted by said long and short members, and an elongated outwardly convex finger piece provided integrally at the other end of said long member, said barrel being provided adjacent said holder with a slot coplanar with the long member and parallel to the axis of the barrel, said finger piece having a free end portion engageable with a portion of the barrel at the end of said slot adjacent the holder whereby to sustain said long member in spaced relation from the barrel, and a top portion of said finger piece being depressibly disposed in said slot flush with the outer surface of the barrel, whereby the closed end portion of the ink sack may be variably depressed to control the flow of ink to the pen point.

2,582,392
CIRCULAR LOOM FOR THE PRODUCTION OF CLOSELY WOVEN FABRICS
Henri Pelcé, Paris, France, assignor to Societe dite: Saint Freres (Societe Anonyme), Paris, France
Application February 21, 1947, Serial No. 730,026
In France January 17, 1947
5 Claims. (Cl. 139—13)



1. A circular loom comprising at least one shuttle and one weft beat-up spike wheel having short points and performing the function of an ordinary loom slay said beat-up wheel being revolved in the same direction as the shuttle yet at higher speed.

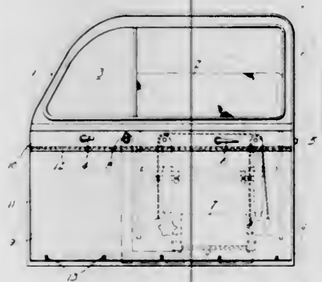
2,582,393
CARTON BLANK HANDLING MACHINE
Louis Perilli, Waltham, Mass.
Application February 25, 1949, Serial No. 78,375
16 Claims. (Cl. 93—53)



1. In a device for setting up box blanks wherein each blank has a bottom and side walls folded

inwardly thereon to nearly prone positions with their top edges closely parallel, a place of setting up for receiving a flat blank, means at said place of setting up for deflecting one wall out of the plane of the other wall to effect a substantially vertical separation of said parallel edges, means for engagement with the vertically displaced edges and power operated means for effecting movement of said edge engaging means into engagement with said edges following separation thereof and for thereafter retracting them to erect the side walls.

2,582,394
VEHICLE DOOR PANEL STRUCTURE
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application October 28, 1948, Serial No. 56,958
1 Claim. (Cl. 296—44)



In a motor vehicle, a door having a window and an underlying accessory compartment, a closure for the compartment constituting the interior finishing panel of the door, said closure comprising a fixed upper panel and a removable lower panel, the upper margin of the removable panel being engaged beneath an overhanging lower margin of the fixed panel to secure it in place, a door handle mounted on the fixed panel, window operating mechanism arranged in the compartment opposite the removable panel for ready access upon panel removal and having control means located on the fixed panel, a control for the window operating mechanism arranged on the fixed panel, and means for securing the lower margin of the removable panel in position and additionally acting to hold the removable panel engaged beneath the fixed panel.

2,582,395
OINTMENTS CONTAINING OIL-SOLUBLE ANTIOXIDANTS
George W. Rigby, Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
No Drawing. Application March 6, 1945, Serial No. 581,323
17 Claims. (Cl. 167—63)

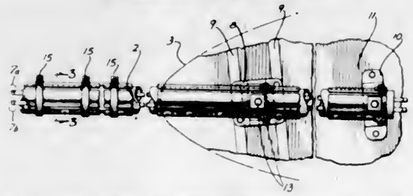
1. A stable ointment comprising an oily vehicle, 2,3-dimercaptopropanol, and an oil-soluble antioxidant for the mercapto compound selected from the group consisting of tocopherol and palmitoyl ascorbate, the anti-oxidant being present in an amount of at least 0.5 per cent by weight of the said mercapto compound.

2. An anti-vesicant composition containing, 2,3-dimercaptopropanol, and an anti-oxidant for said mercapto compound comprising tocopherol in an amount of at least 0.5 per cent by weight of the said mercapto compound.

2,582,396
PROCESS FOR PREPARING FRUIT SAUCE PRODUCTS
William A. Rooker, Berryville, Va., assignor to H. F. Byrd, Inc., Berryville, Va., a corporation of Virginia
No Drawing. Application May 17, 1949, Serial No. 93,845
16 Claims. (Cl. 99—154)

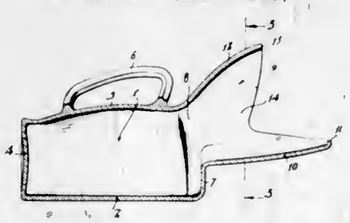
1. A process for preparing fruit sauces from fruit having a pH less than 4 which comprises cooking a portion of the fruit to form a hot, cooked, sterile sauce, comminuting a portion of the fruit into a raw pulp, admixing said raw fruit pulp with said hot, cooked, sterile fruit sauce in such proportion that said raw pulp is heat-sterilized by said hot, cooked sauce, said mixture substantially retaining the aromatic constituents present in the raw fruit component.

2,582,397
VIBRATION DAMPENER
Albert M. Schwartz, Palos Verdes, and Harry M. Sonneborn, Compton, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application November 30, 1948, Serial No. 62,646
5 Claims. (Cl. 188—1)



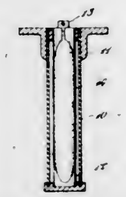
1. A vibration damper comprising a rod of substantially circular cross section supported at one end only and subject to lateral vibration, a plurality of strips of cylindrical contour having an original radius of curvature less than that of said rod, and positioned to extend along said rod parallel with the axis thereof with the edges of said strips closely adjacent, said strips being of resilient material and attached adjacent the supported end of said rod only, and a plurality of circular members positioned around the outside of said strips at spaced intervals, the diameter of said members being sufficiently small to increase the original radius of said strips to force the edges of said strips against the outer surface of said rod and maintain friction therewith by virtue of the resiliency of said strips.

2,582,398
FEMALE URINAL
Felice E. Siegenthal, Pasadena, Calif.
Application August 21, 1948, Serial No. 45,543
2 Claims. (Cl. 4—110)



1. A female urinal, comprising: a vessel having a flat side and a flat end wall whereby said vessel may be placed stably in a horizontal or upright position; a throat offset upwardly from said flat side when said vessel is in a horizontal position; and an outwardly expanding mouth continuing from said throat and terminating in a substantially horizontal lower jaw having an upturned rim and substantially semicircular in plan, and an upwardly directed upper lip terminating in a margin substantially semicircular in elevation, the margins of said jaw and lip defining in side aspects a substantially right angle, and the upper wall of said mouth between said throat and upper lip being concave internally.

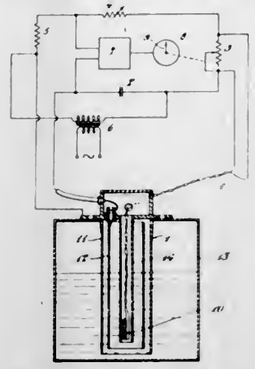
2,582,399
CAPACITANCE TYPE LIQUID QUANTITY GAUGE
Stanley James Smith, Ossining, N. Y.
Application January 12, 1949, Serial No. 70,494
1 Claim. (Cl. 175—41.5)



A capacitance type gauge for immersion in an irregularly shaped container for a dielectric liquid to measure variations in the depth of the liquid comprising, in combination, two tubular electrodes of different diameter, means mounting said electrodes in telescoped, normally fixed, radially spaced relation, said mounting means being constructed to permit relative circumferential adjustment of said electrodes, one of said electrodes comprising a tube of insulating material having on a part only of a surface thereof a conductive layer, said conductive layer being irregularly shaped and so related to the shape of the container that the circumferential extent thereof at any given depth of liquid is proportional to the surface area of the liquid at that depth, said conductive layer being formed to define on said insulating tube a non-conducting, longitudinally extending area, the other of said electrodes being deformed in the direction of the length thereof, and over substantially the entire length thereof, to provide as viewed in transverse section, segments of different radius, and means for effecting relative circumferential adjustment of said electrodes for initially adjusting the capacity of said gauge when immersed in said container to a given depth.

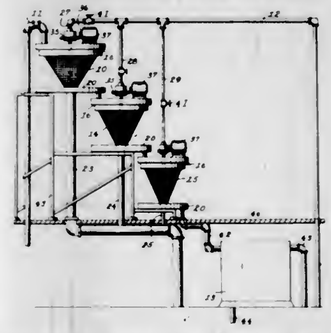
2,582,400
CAPACITANCE TYPE LIQUID QUANTITY GAUGE
Stanley James Smith, Ossining, N. Y.
Application January 31, 1949, Serial No. 73,813
3 Claims. (Cl. 73—304)

1. A liquid quantity gauge comprising a bridge network, a condenser positioned in a container for liquid and varying in capacity with the depth of the liquid, said condenser being connected in one arm of the bridge network, an adjustable resistor connected in another arm of the bridge network, means responsive to variation in capacity of said condenser for adjusting said resistor to restore balance to said network, and means compensating for the effects of temperature changes, said last named means comprising a second resistor subjected to the same temperature as said condenser and having a large temperature coefficient of resistance, said second resistor being



positioned in said container and connected in shunt with said adjustable resistor.

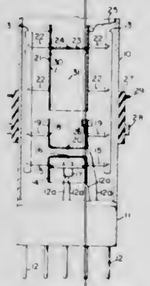
2,582,401
EFFLUENT CLEANER AND SAVER
Milburn C. Stinson, Santurce, Puerto Rico
Application December 12, 1947, Serial No. 791,426
1 Claim. (Cl. 210—150)



In a device for removing foreign matter from liquids, the combination which comprises a plurality of wire mesh cones, the size of the mesh of the said cones decreasing from an upper cone to a lower cone, a frame on which the said cones are mounted in stepped relation, each cone having an annular ring, Z-shaped in cross section carried by the upper edge and positioned with an inner vertical depending flange around the upper edge of the cone and extended downwardly therefrom, a horizontally disposed web extended outwardly from the upper edge of the flange and cone and an outer vertically disposed flange extended upwardly from the peripheral edge of the said horizontally disposed web, each of the said cones also having a horizontally disposed circular plate with an upwardly extended peripheral flange providing a tray extended around the lower end of the cone, said trays having centrally positioned openings therethrough communicating with the interior of the cones and having depending outlet spouts therein spaced inwardly from the peripheral edges and positioned to feed liquid from the trays to succeeding cones at points spaced inwardly from the peripheral edges of the cones, a supply pipe positioned above the upper cone and mounted to feed water containing foreign matter to the upper cone and at a point spaced inwardly from the peripheral edge thereof, outlet pipes extended from the centrally positioned openings of the trays and lower ends of the cones, a V-shape

tube having a vertical leg and a perforated upwardly inclined leg positioned in each of said cones, mounting plates positioned on the upper edges of the rings of the cones, motors positioned on said mounting plates and operatively connected to the V-shape tubes for rotating the tubes through the vertical legs thereof and with the perforated legs traveling around the inner surfaces of the cones for washing foreign matter deposited on the inner surfaces of the cones into the pipes extended from the lower ends of the cones and centers of the trays, and supply connections extended from the upper ends of the vertical legs of the V-shaped tubes for supplying clean water to the perforated legs of the V-shaped tubes for washing the inner surfaces of the screen.

2,582,402
ION TRAP TYPE ELECTRON GUN
Constantin S. Szegho, Chicago, Ill., assignor to The Rauland Corporation, a corporation of Illinois
Application September 29, 1950, Serial No. 187,432
7 Claims. (Cl. 313—85)



1. An electron-gun structure for an ion-trap type of cathode-ray tube comprising: a cathode for emitting electrons; a first tubular electrode supported in substantially coaxial alignment with said cathode through which a mixed beam of ions and electrons passes along the common axis of said cathode and said electrode; a second tubular electrode, having an apertured transverse wall, supported in substantial coaxial alignment with said cathode and first tubular electrode and spaced therefrom along said common axis; at least one conductive strip supported within said cathode-ray tube, displaced from said common axis, and exposed to at least a portion of one of said electrodes across said common axis; and terminal connections extending to said electrodes and to said strip for establishing a difference of potential between said electrodes and between said strip and said one of said electrodes, to produce an electro-static accelerating field between said electrodes with a component transverse to said common axis, whereby said mixed beam enters said second electrode along a path directed away from said aperture in said transverse wall.

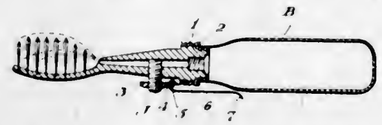
2,582,403
DEFLECTOR CLEANSING DEVICE
John R. Yancey and Earl J. Robishaw, Houston, Tex., assignors, by mesne assignments, to A-1 Bit & Tool Company, Houston, Tex., a corporation of Texas
Original application December 17, 1945, Serial No. 636,936, now Patent No. 2,558,227, dated June 26, 1951. Divided and this application July 21, 1947, Serial No. 762,258
3 Claims. (Cl. 255—1.4)

3. The combination with side wall sample taking apparatus adapted to be attached to a tubular operating string and having a downwardly inclined sampler-deflecting surface therein and an upwardly facing inside seat for the sampler above said surface of a nozzle pipe having an external shoulder for engagement with said seat, an inlet opening above said shoulder, and a lower end adapted to be positioned immediately above said deflecting surface when said shoulder and seat are engaged, a nozzle on said lower end having a discharge opening provided with an inwardly-facing inside seat, an inwardly-movable element



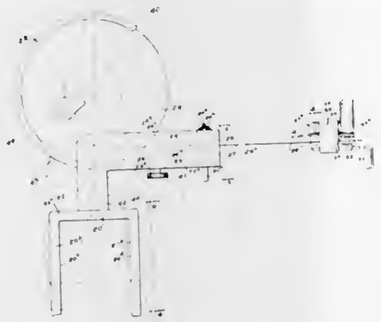
normally seated on said seat and having a restricted discharge orifice therethrough for directing a jet of fluid through said opening toward said deflecting surface, said element being unseatable by exterior pressure and being of smaller cross-sectional area than the interior of said nozzle minus the area of said orifice to permit an increased volume of flow upwardly through said nozzle, and cooperating means on said nozzle and said element to limit the inward movement of said element while permitting said increased volume of flow.

2,582,404
TOOTHBRUSH
Frank J. Zavada, Swissvale, Pa.
Application February 11, 1947, Serial No. 727,898
7 Claims. (Cl. 15—136)



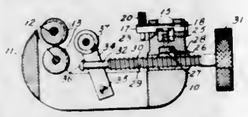
1. A brush comprising a shank screw-threaded at its rear end and provided with bristles projecting transversely from the front end of the shank, said shank having a longitudinal bore extending from the front end to the rear end thereof and open at opposite ends, the rear end of the bore which is remote from the bristles being screw threaded, said shank also having a screw-threaded seat intersecting the bore, a casing adapted to contain the shank and having a closed end portion adapted to house the bristle portion of the shank, the other end of the casing being open for the introduction and removal of the shank, a screw-threaded coupling swiveled concentrically to the open end of the casing and removably engaging the screw-threaded portion of the shank, said casing capable of being removed, turned end for end and then reengaged with the rear end of the shank and thereby extending rearwardly therefrom for use as a handle, a nut hinged to the coupling so as to lie across the rear end of the shank in registration with the bore thereof when the bristle portion of the brush is housed within the casing and to lie alongside the shank concentrically covering said screw-threaded seat when the casing is in the position of a handle, and a screw-threaded pin engaging the threads of the nut and the threads of the bore of the shank when said nut and the bore of the shank are concentrically registered, and adapted to engage the threads of the nut and the threaded seat provided in the shank when the casing is in the position of a handle.

2,582,405
STUD AND JOIST LAYOUT INSTRUMENT
Dwight Moody Auchard, Vallejo, Calif.
Application April 17, 1945, Serial No. 588,823
7 Claims. (Cl. 33—138)



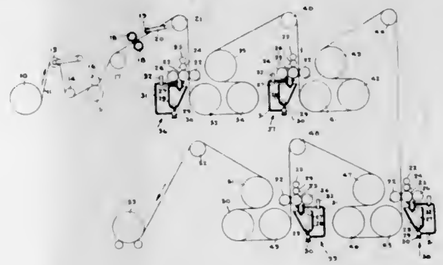
7. A stud and joist layout instrument comprising, in combination, a frame, a take-up reel mounted in the frame, an elongated tape member having holes spaced therealong and having one end attached to the reel and windable thereon, a detent on said frame adapted to engage said spaced holes in the flexible tape member whereby said frame may be fixed in any one of a plurality of predetermined positions along said tape member, means to disengage said detent and holes, a template on said frame, said template being adapted to slidably engage a plate or sill to be marked for placing studs or joists and a pivot means between the template and frame, the pivot axis being substantially perpendicular to the line of the tape.

2,582,406
TUBE CUTTER
Herman Bachli and Harry S. Shapiro, Chicago, Ill., assignors to Chicago Specialty Mfg. Co. Inc., Chicago, Ill., a corporation of Illinois
Application April 22, 1949, Serial No. 89,082
2 Claims. (Cl. 30—102)



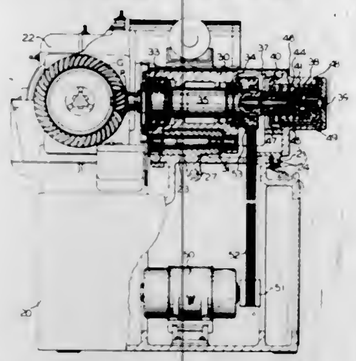
1. A pipe cutter comprising a body having at one end portion a lateral extension and a pair of spaced rollers at its opposite end portion, a lever structure pivotally supported by the body substantially midway between its opposite end portions, a thread bearing feed screw carried by the body for adjustment longitudinally thereof and having means providing connection with the lever structure for pivotal movement relative to the body, a cutter wheel carried by the lever structure for movement in a direction toward said rollers, a thread bearing clamping plate carried by the body and adapted for engagement with the feed screw to provide a threaded connection between the body and the feed screw, a pin carrying said plate and carried by the extension and extending perpendicular to the long axis of said feed screw, a rotatable cam member carried by said extension and extending at right angles with respect to said pin and parallel with respect to said feed screw and adapted to be rotated against said pin to cam the latter in a direction relative to its long axis to move the clamping plate into operative engagement with the threads of said feed screw, a handle on said cam member for rotating the same, and spring means acting on said pin for bearing said pin against said cam member and for moving said pin and said clamping plate in an opposite direction with respect to the feed screw.

2,582,407
PROCESS FOR COATING PAPER
William H. Barrett, International Falls, Minn., and Bernard K. Asdell, Metuchen, N. J., assignors to Minnesota and Ontario Paper Company, Minneapolis, Minn.
Original application May 24, 1945, Serial No. 595,618. Divided and this application May 29, 1946, Serial No. 673,144
5 Claims. (Cl. 117—111)



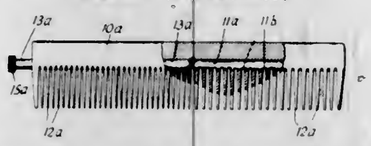
1. The process of coating paper which comprises continuously flowing coating of high solid contents to a body of coating material, maintaining the temperature in the flowing coating composition substantially constant, maintaining a body of coating composition under pressure greater than atmospheric pressure in the area formed by a first and a second rotatable surface, said coating composition comprising mineral pigment and an adhesive having a solid content in excess of 60% and being of a thixotropic nature, the first rotatable surface moving in a direction opposed to the second rotatable surface and the first rotatable surface moving at a speed below that of the second rotatable surface, whereby a controlled amount of coating material is spread on and carried by the second rotatable surface, smoothing the coating material carried by the second rotatable surface by a third rotatable surface moving in the opposed direction to the surface of the second rotatable surface, and then transferring the smooth film of coating material to a moving web of paper moving in the same direction as the direction of the second rotatable surface under rolling pressure.

2,582,408
GEAR TESTING MACHINE
Oliver F. Bauer, East Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application February 3, 1948, Serial No. 6,005
12 Claims. (Cl. 51—26)



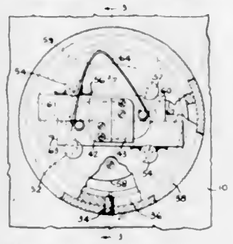
1. In a machine of the character described, a base, a drive head and a driven head mounted on the base, a housing movably mounted on one of said heads, a spindle journaled in said housing, a spindle journaled in the other head, means for detachably securing a gear to each spindle, means for moving one of the heads on the base toward and from the other head to move the gear carried thereby from loading position into mesh with the other gear and vice versa, means for normally locking said housing against movement relative to its head, means for releasing said locking means and for moving said housing independently of its head to control the amount of backlash between the gears when in mesh, and means for rotating the spindles to rotate the gears in mesh.

2,582,409
COMBINATION ROTARY BRUSH AND COMB
John Belmonte, Brooklyn, N. Y., assignor of twenty-five per cent to Raymond Commerford, twenty-five per cent to Ronald Shanahan, and fifty per cent to Anthony Janniello, all of Brooklyn, N. Y.
Substituted for abandoned application Serial No. 703,555, October 16, 1946. This application May 6, 1950, Serial No. 160,523
1 Claim. (Cl. 132—28)



A comb comprising a back portion having a straight longitudinal bore or aperture, a series of spaced teeth projecting from the back portion and having spaces therebetween communicating with said aperture, a straight brush element having a base and short brush bristles connected to the base, said brush element removably extending into the aperture in the back portion, the aperture being open at both ends of the back portion to receive said brush element by longitudinal movement of the latter, and the openings of the aperture being of a diameter complementary to the diameter of said straight brush element, said bristles of the brush element being sufficiently long to extend into the upper ends of the spaces between the teeth to effect a cleaning action upon these portions of the spaces and upon the teeth roots, said brush element being also adapted to have rotational movement within the aperture as well as longitudinal movement whereby to obtain the maximum cleaning effect of the brush element upon the comb.

2,582,410
SLIT MECHANISM
Andrew M. Bergmann, Cheektowaga, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 3, 1949, Serial No. 91,180
7 Claims. (Cl. 88—61)

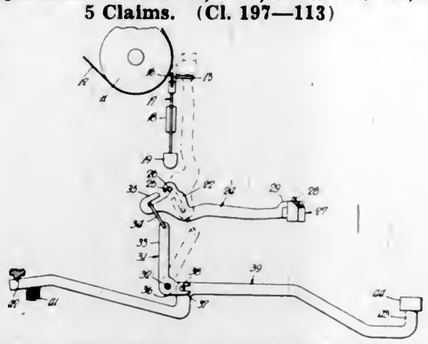


1. A slit mechanism comprising a support, a pair of flat, elongated members carried in side-by-side relation by said support and having complementary guiding surfaces formed upon adjacent side portions thereof, means continuously resiliently urging at least one of said members toward the other of said members for maintaining contact between said guiding surfaces for all positions of adjustment thereof, a pair of slit-forming elements carried by said members, respectively, and having slit-forming edges disposed upon adjacent portions thereof, said edges being disposed generally angularly relative to the plane of said guiding surfaces, means adjustably securing said slit-forming elements to said elongated members with said slit-forming edges in substantially exact parallel relation to each other, means for moving one of said elongated members and the slit-forming element carried thereby relative to the other of said elongated members and its slit-forming element in a direction paralleling said guiding surfaces for effecting a parallel-sided slit of desired width between said edges, and resilient means connected to said elongated member and arranged to act in opposition to said means for moving one of said elongated members for effecting movement thereof in the opposite direction.

2,582,411
OLEFIN COPOLYMERS HAVING DRYING PROPERTIES
Herman S. Bloch, Chicago, and Alfred E. Hoffman, Clarendon Hills, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 31, 1949, Serial No. 84,766
14 Claims. (Cl. 260—683.15)

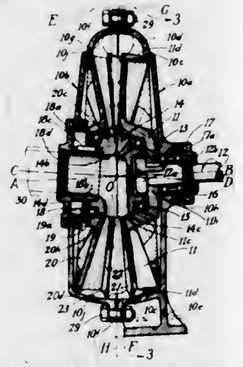
1. A process for the preparation of a light-stable, liquid hydrocarbon drying oil which comprises copolymerizing a conjugated polyolefin having not more than 8 carbon atoms per molecule and an iso-mono-olefin containing not more than 8 carbon atoms per molecule employing a weight proportion of diolefin to the combined weight of di- and mono-olefin of from about 60 to about 95 percent in the presence of substantially anhydrous hydrogen fluoride as catalyst and at a temperature of from about −80° to about −40° C.

2,582,412
LINE-MAKING DEVICE
John F. Bosquet, New York, N. Y.
Application October 19, 1949, Serial No. 122,266
5 Claims. (Cl. 197—113)



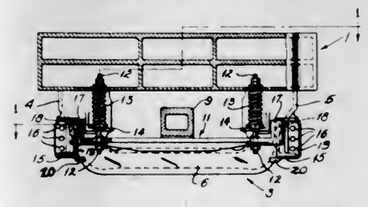
1. In a typewriting machine of the type having a platen, a plurality of type bars each mounting a type head and each having a ribbon shift conformation, a pair of type head guides, key levers connected to the respective type bars, a ribbon positioned between said guides and the platen, and a ribbon shift having means on the lower end thereof engaged and operated by a ribbon shift conformation on the type bar being actuated thereby to lift the ribbon into the path of movement of the type head; the combination therewith of an additional key lever, a marking head, marking means carried by said head, a pivotally mounted bar carrying said marking head, linkage between said bar and said key lever to bring said marking means into engagement with paper on said platen when said key lever is depressed, said bar being a substantial duplicate of each type bar, but devoid of the ribbon shift conformation, so that when it is pivoted by the depressing of the additional key lever it will clear the means on the ribbon shift so as not to lift the ribbon.

2,582,413
EXPANSIBLE CHAMBER ROTARY FLUID DISPLACEMENT DEVICE
James M. Clark, New York, N. Y.
Application July 20, 1945, Serial No. 606,067
23 Claims. (Cl. 103—127)



1. A rotary displacement device comprising a driving rotor, an opposed driven rotor adapted for rotation on an axis inclined to the axis of the said driving rotor, radial projections on the opposed faces of said rotors in a staggered relationship with respect to each other, a flexible radially corrugated disc attached to the staggered projections of each said rotor defining radially extending compartments between said rotors and means to conduct fluid into and from the ends of said compartments.

2,582,414
RAILWAY VEHICLE UNDERFRAME AND COUPLER SUPPORT STRUCTURE
Allen W. Clarke, St. Charles, and William C. Krautheim, Pasadena Park, Mo.; said Krautheim assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware, and said Clarke assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 8, 1947, Serial No. 720,806
4 Claims. (Cl. 213—61)

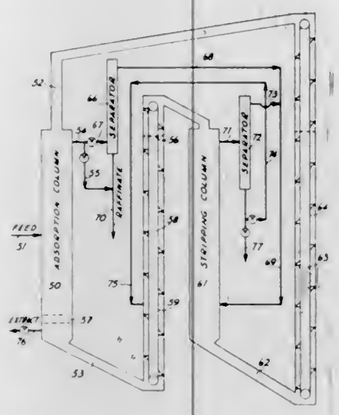


1. In combination, a railway vehicle underframe end structure having draft sills and provided with rigid members forming a pocket for a coupler positioned between said sills and adapted to limit downward movement of such a coupler, brackets extending rearwardly of said pocket forming members spaced transversely of the structure and having substantially vertical guides facing toward each other and rearwardly of said pocket forming members, a coupler carrier extending transversely of and beneath said draft sills and having elements at each of its ends to slidingly engage said guides, and means depending from said structure and yieldingly supporting said carrier.

2,582,415
ADSORPTION PROCESS FOR THE SEPARATION OF HYDROCARBONS
William H. Claussen, Berkeley, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application October 15, 1945, Serial No. 622,324
14 Claims. (Cl. 196—147)

6. A process for the fractionation of kerosene distillates which comprises continuously moving particles of a solid adsorbent aggregated into a columnar mass downwardly by controlled gravity flow through an adsorption zone, continuously introducing the distillate in liquid phase into contact with the adsorbent at an intermediate point in the adsorption zone to separate as an adsorbate a fraction of the distillate characterized by a lower aniline point than that of the original distillate, continuously withdrawing from the upper portion of the adsorption zone a non-adsorbed fraction of the distillate characterized by a higher aniline point than that of the original distillate, maintaining adjacent the adsorption zone a column of previously separated low aniline point adsorbate, said column being in free fluid intercommunication with the lower portion

of the adsorption zone and having a vertically extending portion of sufficient height to balance the column of liquid in the adsorption zone, continuously withdrawing the adsorbent containing the said low aniline point adsorbate from the lower portion of the adsorption zone through said column, continuously moving the withdrawn adsorbent aggregated into a columnar mass by controlled gravity flow downwardly through a stripping zone, continuously introducing into contact with the adsorbent in the lower portion of the stripping zone a hydrocarbon liquid for which the



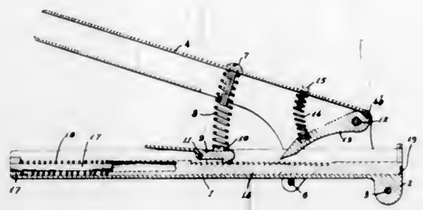
adsorbent has a lower adsorptive preference than it has for the adsorbate in quantity sufficient to remove the adsorbate from the adsorbent and replace it thereon, continuously withdrawing from the upper portion of the stripping zone a mixture of said hydrocarbon liquid and removed adsorbate and continuously withdrawing the adsorbent containing said substituted hydrocarbon liquid of lower adsorptive preference from the lower portion of the stripping zone and returning it to the upper portion of the adsorption zone.

2,582,416
POWER DRIVE MEANS FOR IRRIGATION PIPE
Gail Cornelius, Portland, Oreg., assignor to R. M. Wade & Co., Portland, Oreg., a corporation of Oregon
Application August 7, 1950, Serial No. 178,139
5 Claims. (Cl. 180—11)



1. Drive means for an irrigation pipe supported on wheels which comprises a frame for supporting a driving engine, a pivotal connection between the frame and pipe enabling the frame to be swung to either side of the pipe, a wheel on the frame to engage the ground in either position of the frame, supporting means for the engine in either position of the frame and means forming a driving connection between the engine and the pipe supporting wheels.

2,582,417
EXPANDING TOOL FOR COLLAPSING ANCHORING SOCKETS
George Frederick Croessant, Wyomissing, Pa.
Application March 13, 1950, Serial No. 149,417
7 Claims. (Cl. 218—19)



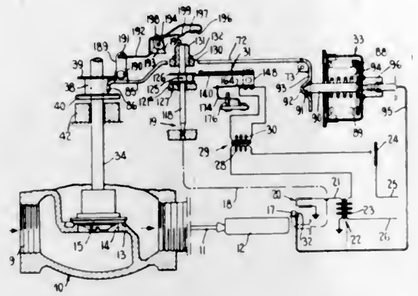
1. A tool for expanding expansion sockets, said tool comprising a pair of handles pivotally connected together at one end thereof, a spring interposed between said handles for normally spreading them apart, stop means on one of said handles and adapted to abut the other for limiting the spreading apart movement of said handles, one of said handles having an upstanding wall portion at the forward end thereof having a slot, a retractible member also having an upstanding wall portion at the forward end thereof having a slot which is of substantially the same size and in registry with said first mentioned slot and being slidably mounted within said last mentioned handle, and means for translating pivotal movement of said handles towards each other to retractive movement of said slidable member so as to effect separation of said forward wall portion and the forward end of said retractible member and thereby cause expansion of the expansion socket.

2,582,418
FISHHOOK
William A. Crowder, East Orange, N. J.
Application February 3, 1950, Serial No. 142,310
1 Claim. (Cl. 43—43.2)



A fish-hook having a shank portion from which extends a curved hook portion terminating in a pointed and barbed end, a weed-guard pivotally attached to said shank portion in the form of a wire looped around said shank portion with the loop of said wire on the side of said shank portion opposite to the side from which the curved hook portion extends and with the crossed portion of said wire adjacent to the side of said shank portion from which said curved hook portion extends, and a barb located on the side of said shank portion opposite to the side of the latter from which said curved hook portion extends and crimped over the looped portion of said wire, whereby said weed-guard is pivotally attached to said shank portion and may be moved out of its normal position in which the movement of the weed-guard is limited by the engagement of its crossed portion with said shank portion.

2,582,419
GAS BURNER CONTROLLING MEANS
Earnest J. Dillman and Jack E. Fleury, Detroit, Mich., assignors to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application April 20, 1945, Serial No. 589,414
14 Claims. (Cl. 158—125)

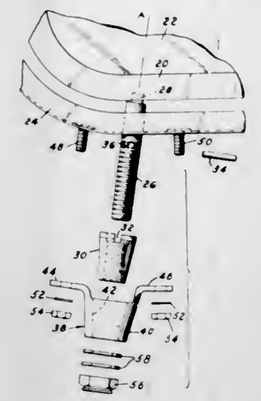


5. In a burner control system, a main burner, a pilot burner, a main valve controlling flow of fuel to said main burner, a pilot valve controlling flow of fuel to said pilot burner, automatic means controlling said pilot valve, thermal means variably responsive to the heat output of the pilot flame and controlling operation of said main valve, and means operatively interconnecting said main valve and said pilot valve and operable upon predetermined opening of said main valve to throttle said pilot valve proportionately to the extent of opening of said main valve beyond said predetermined opening.

6. An automatic valve assembly comprising a first valve having an operating stem, a second valve having an operating stem, means for moving said first valve stem, means for moving said second valve stem independently of said first valve stem, said second-named moving means being capable of overpowering said first-named moving means, a lever mechanism positioned to transmit movement from said second valve stem to said first valve stem and movable by said second-named moving means, said lever mechanism being positioned to have a predetermined lost motion relative to one of said valves when both valves are closed and to engage operatively both valves when opened a predetermined amount, and said lever mechanism being operable when moved by said second-named moving means beyond the predetermined opening for said second valve to move said first valve toward closed position.

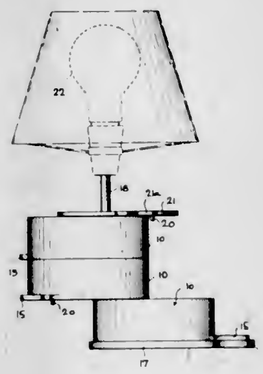
2,582,420
PIVOTAL MOUNTING
John Dean Ellis, Troy, Ohio
Application May 27, 1949, Serial No. 95,839
5 Claims. (Cl. 16—140)

1. A pivotal mounting comprising, in combination, an externally threaded pin, an externally tapered bushing member threaded on said pin, an internally tapered housing member contactually enclosing the bushing member and resisting the rotation of the latter relative thereto, means threaded on said pin for adjusting the frictional resistance between said members, and



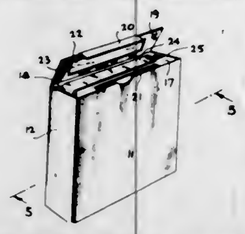
means for releasably locking the bushing member in axially adjusted position on the pin.

2,582,421
STACKED CONTAINER DEVICE
Manuel Essman, New York, N. Y.
Application January 24, 1949, Serial No. 72,485
1 Claim. (Cl. 312—201)



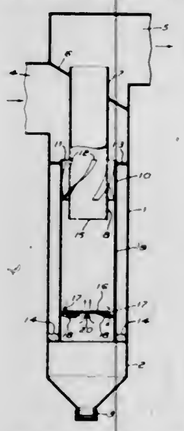
A stacked container device comprising a base member having an upright support and a plurality of container units adapted to be normally arranged upon said support in stacked, aligned relationship, each of said container units having an integral sleeve member insertable over said upright support to swing thereabout, each container unit except the lowermost one having depending means at one side of the container for engaging the opposite side of each subjacent container when said containers are swung into open position, whereby said container units will be successively opened in spiral fashion when the superjacent container is swung open and depending stop means on each container so positioned as to engage the exterior wall of a subjacent container slightly in advance of the closed position of said containers whereby continued closing motion of said container will cause a binding action between said container and a subjacent container.

2,582,422
CONTAINER FOR COILED RIBBONS AND THE LIKE
George W. Ewald, Short Hills, N. J.
Application May 28, 1949, Serial No. 95,928
2 Claims. (Cl. 206—52)



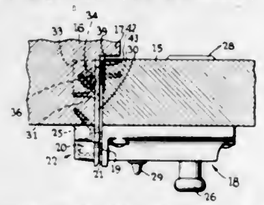
2. A container for ribbons, tapes and similar coiled articles, said container having walls defining a closed compartment for the coiled articles, one end of the container having a pair of hinged overlapping flaps, one of said flaps being an integral, hinged extension of one of the walls of the container, the second flap being an integral, hinged extension of a second wall, the inner flap being notched at one of its ends to permit a terminal of the coiled article to project and overlie the face of the inner flap for substantially the full length of the inner flap, the outer hinged flap being extended over said terminal and covering the same for substantially its full length, said outer flap having a window opening covered with a transparent material through which a substantial portion of the terminal of the coiled article is visible, the inner flap having a slot along its hinge and the outer flap having a tab at its free end entering said slot to thereby hold the two flaps in overlying relation with the terminal of the coiled article sandwiched between them.

2,582,423
DUST COLLECTOR
Raymond B. Foley, Dearborn, Mich., assignor to American Blower Corporation, Dearborn, Mich., a corporation of Delaware
Application August 3, 1949, Serial No. 108,261
3 Claims. (Cl. 183—80)



1. In a dust collector, a cylindrical collector tube having an inlet at its upper end, a clean gas outlet tube extending concentrically into said collector tube upper end, gas rotating vanes positioned between said tubes to cause spiral rotation of the gas supplied to said inlet, a substantially flat circular baffle member having a central opening therethrough and extending across said collector tube in spaced relation to said outlet tube, said baffle member having spaced circumferential openings therethrough and spaced flat circumferential edge portions between said circumferential openings, said circumferential openings extending through substantially the entire circumference of said baffle member, said edge portions substantially fitting against the side surface of said collector tube and being small in peripheral size relative to said circumferential openings, and elongated vane members forming frictional supporting arms underlying each of said circumferential openings, said vane members each being cut along an end and on a circular arc along a side edge from the stock of said baffle member and being inclined downward from the plane of the baffle member along a straight bend line at its other end at an angle to a radius of the baffle member such that the outer peripheral edges of said vane members extend slightly beyond the periphery of said flat edge portions and have frictional engagement with said collector tube thereby to support said baffle member.

2,582,424
LOCK GUARD
Joseph Gangi, New York, N. Y.
Application April 17, 1950, Serial No. 156,469
7 Claims. (Cl. 292—346)

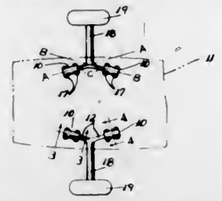


4. A lock guard device comprising a face plate having a lock guard, said face plate having a rectangular transverse opening, a blocking plate over said opening, and means extending through said opening for yieldably holding said blocking plate in inclined position with an edge close to said face plate, comprising a member with an arched outer surface to one side of which said blocking plate is secured, means for limiting the outward movement of said member and spring means for urging said member outwardly.

2,582,425
TRIPOLYMER OF A VINYL AROMATIC COMPOUND, A COUMARONE-INDENE FRACTION AND MATERIAL RECOVERED FROM A HYDROCARBON-CATALYST SLUDGE
Edward M. Geiser, Downers Grove, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 18, 1949, Serial No. 94,050
11 Claims. (Cl. 260—80.5)

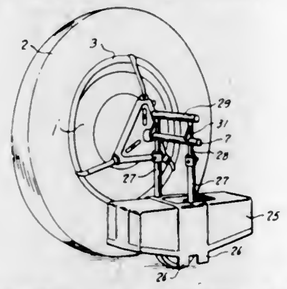
1. A process for the production of a resinous copolymer composition which comprises reacting a mixture of unsaturated hydrocarbon conjunct polymers, recovered from an acid-acting catalyst-hydrocarbon complex formed in catalytic conjunct polymerization of hydrocarbons, with a vinyl aromatic compound and a coumarone-indene fraction in the presence of an acid-acting copolymerization catalyst, said conjunct polymers being polyolefinic, cyclic hydrocarbons boiling in the range of from about 150° to about 450° C. and having bromine numbers above about 140 and maleic anhydride values of from about 30 to about 90 and containing from about 2.5 to about 4.5 double bonds per molecule, of which from about 40% to about 70% are in conjugated relationship with each other.

2,582,426
VARIABLE RATE SPRING SUSPENSION
Howard E. Greene, Shaker Heights, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 18, 1947, Serial No. 780,657
8 Claims. (Cl. 267—63)



1. A spring suspension comprising a supported structure, a supporting structure, a pair of torsion springs disposed between said structures, each of said torsion springs comprising an annular outer member mounted on said supported structure and an inner member connected to said supporting structure and movable relative to said outer member, a body of resilient rubber-like material mounted between said members to cushion relative movement thereof, said springs being disposed with their axes intersecting at an angle and each of said inner members being connected to said supporting structure for relative turning movement and relative tilting movement of said members upon relative movement of said structures to stress the resilient rubber-like bodies of said springs in rotational shear and also in radial compression to provide changing spring rates under relative movement of said structures.

2,582,427
DEVICE FOR CHECKING ALIGNMENT OF VEHICLE WHEELS
Robert M. Greenleaf, Grosse Pointe, Mich., assignor to M. L. Trust, F. R. Pendleton, Everett, Wash., as trustee
Application February 28, 1948, Serial No. 11,983
3 Claims. (Cl. 33—203.15)

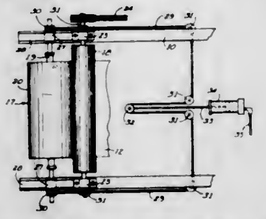


3. In a gauge for vehicle wheels, a supporting structure adapted to be suspended from a spindle projecting substantially from the axis of the vehicle wheel being gauged, a trailing wheel having its axis substantially in vertical alignment with the spindle, a substantially vertical swivel pin, an arm mounted on the swivel pin on a substantially horizontal axis, said arm being connected to the trailing wheel and the swivel pin being located in a position which is laterally removed from and forwardly of the trailing wheel in the direction of movement of the vehicle during the gauging operation, a dial, a pivotally mounted pointer for operation over the dial, said pointer being mounted on the side of the axis of the trailing wheel opposite the swivel pin, a second arm carried by the swivel pin, and an articulated connection between the second arm and pointer for actuation of the pointer upon oscillation of the swivel pin.

2,582,428
PREPARATION OF ALUMINA-PLATINUM-HALOGEN CATALYST
Vladimir Haensel, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 17, 1949, Serial No. 99,869
5 Claims. (Cl. 252—442)

1. A method of manufacturing a catalyst which comprises adding a basic precipitant to aluminum chloride to form alumina containing chlorine, washing said alumina to retain therein from about 0.1% to about 8% by weight of said chlorine, commingling a platinum containing solution therewith, drying the resultant composite and then calcining the same.

2,582,429
WINDING MACHINE
Henry L. Haswell, Brevard, N. C., assignor, by mesne assignments, to Ecusta Paper Corporation, Pisgah Forest, N. C., a corporation of Delaware
Application August 20, 1946, Serial No. 691,699
3 Claims. (Cl. 242—65)

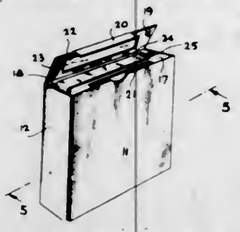


1. A winding machine comprising a frame, a driving roll journalled in said frame, a winding mandrel, bearing members forming journal supports for said winding mandrel, horizontal guideways on said frame supporting said bearing members for horizontal displacement, and a weighting cable of continuous length trained directly from both ends of said winding mandrel and tensioned under a constant pressure applied to said cable at a single point intermediate its ends for weighting said winding mandrel against horizontal displacement and thereby maintaining material wound on said winding mandrel in even peripheral contact with said driving roll.

2,582,430
GARDEN TRACTOR
Glenn A. Hellman, Connersville, Ind., assignor to Garden-All Tractor, Inc., Liberty, Ind., a corporation of Indiana
Application February 23, 1946, Serial No. 649,520
12 Claims. (Cl. 97—48)

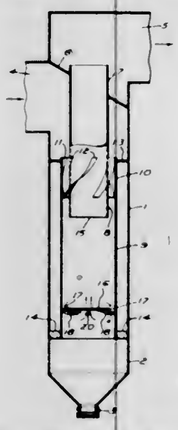
1. A gardening implement including, in combination, a base; a wheel supporting the base;

2,582,422
CONTAINER FOR COILED RIBBONS AND THE LIKE
George W. Ewald, Short Hills, N. J.
Application May 28, 1949, Serial No. 95,928
2 Claims. (Cl. 206—52)



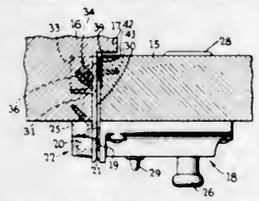
2. A container for ribbons, tapes and similar coiled articles, said container having walls defining a closed compartment for the coiled articles, one end of the container having a pair of hinged overlapping flaps, one of said flaps being an integral, hinged extension of one of the walls of the container, the second flap being an integral, hinged extension of a second wall, the inner flap being notched at one of its ends to permit a terminal of the coiled article to project and overlie the face of the inner flap for substantially the full length of the inner flap, the outer hinged flap being extended over said terminal and covering the same for substantially its full length, said outer flap having a window opening covered with a transparent material through which a substantial portion of the terminal of the coiled article is visible, the inner flap having a slot along its hinge and the outer flap having a tab at its free end entering said slot to thereby hold the two flaps in overlying relation with the terminal of the coiled article sandwiched between them.

2,582,423
DUST COLLECTOR
Raymond B. Foley, Dearborn, Mich., assignor to American Blower Corporation, Dearborn, Mich., a corporation of Delaware
Application August 3, 1949, Serial No. 108,261
3 Claims. (Cl. 183—80)



1. In a dust collector, a cylindrical collector tube having an inlet at its upper end, a clean gas outlet tube extending concentrically into said collector tube upper end, gas rotating vanes positioned between said tubes to cause spiral rotation of the gas supplied to said inlet, a substantially flat circular baffle member having a central opening therethrough and extending across said collector tube in spaced relation to said outlet tube, said baffle member having spaced circumferential openings therethrough and spaced flat circumferential edge portions between said circumferential openings, said circumferential openings extending through substantially the entire circumference of said baffle member, said edge portions substantially fitting against the side surface of said collector tube and being small in peripheral size relative to said circumferential openings, and elongated vane members forming frictional supporting arms underlying each of said circumferential openings, said vane members each being cut along an end and on a circular arc along a side edge from the stock of said baffle member and being inclined downward from the plane of the baffle member along a straight bend line at its other end at an angle to a radius of the baffle member such that the outer peripheral edges of said vane members extend slightly beyond the periphery of said flat edge portions and have frictional engagement with said collector tube thereby to support said baffle member.

2,582,424
LOCK GUARD
Joseph Gangi, New York, N. Y.
Application April 17, 1950, Serial No. 156,469
7 Claims. (Cl. 292—346)

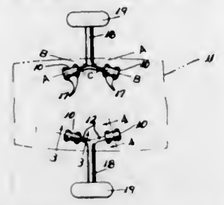


4. A lock guard device comprising a face plate having a lock guard, said face plate having a rectangular transverse opening, a blocking plate over said opening, and means extending through said opening for yieldably holding said blocking plate in inclined position with an edge close to said face plate, comprising a member with an arched outer surface to one side of which said blocking plate is secured, means for limiting the outward movement of said member and spring means for urging said member outwardly.

2,582,425
TRIPOLYMER OF A VINYL AROMATIC COMPOUND, A COUMARONE-INDENE FRACTION AND MATERIAL RECOVERED FROM A HYDROCARBON-CATALYST SLUDGE
Edward M. Geiser, Downers Grove, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 18, 1949, Serial No. 94,050
11 Claims. (Cl. 260—80.5)

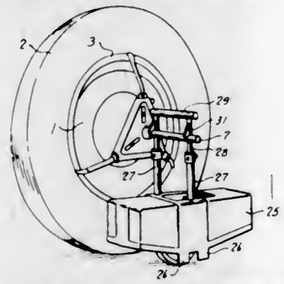
1. A process for the production of a resinous copolymer composition which comprises reacting a mixture of unsaturated hydrocarbon conjunct polymers, recovered from an acid-acting catalyst-hydrocarbon complex formed in catalytic conjunct polymerization of hydrocarbons, with a vinyl aromatic compound and a coumarone-indene fraction in the presence of an acid-acting copolymerization catalyst, said conjunct polymers being polyolefinic, cyclic hydrocarbons boiling in the range of from about 150° to about 450° C. and having bromine numbers above about 140 and maleic anhydride values of from about 30 to about 90 and containing from about 2.5 to about 4.5 double bonds per molecule, of which from about 40% to about 70% are in conjugated relationship with each other.

2,582,426
VARIABLE RATE SPRING SUSPENSION
Howard E. Greene, Shaker Heights, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 18, 1947, Serial No. 780,657
8 Claims. (Cl. 267—63)



1. A spring suspension comprising a supported structure, a supporting structure, a pair of torsion springs disposed between said structures, each of said torsion springs comprising an annular outer member mounted on said supported structure and an inner member connected to said supporting structure and movable relative to said outer member, a body of resilient rubber-like material mounted between said members to cushion relative movement thereof, said springs being disposed with their axes intersecting at an angle and each of said inner members being connected to said supporting structure for relative turning movement and relative tilting movement of said members upon relative movement of said structures to stress the resilient rubber-like bodies of said springs in rotational shear and also in radial compression to provide changing spring rates under relative movement of said structures.

2,582,427
DEVICE FOR CHECKING ALIGNMENT OF VEHICLE WHEELS
Robert M. Greenleaf, Grosse Pointe, Mich., assignor to M. L. Trust, F. R. Pendleton, Everett, Wash., as trustee
Application February 28, 1948, Serial No. 11,983
3 Claims. (Cl. 33—203.15)

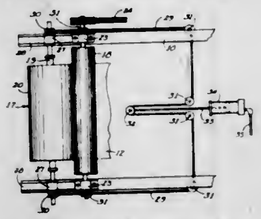


3. In a gauge for vehicle wheels, a supporting structure adapted to be suspended from a spindle projecting substantially from the axis of the vehicle wheel being gauged, a trailing wheel having its axis substantially in vertical alignment with the spindle, a substantially vertical swivel pin, an arm mounted on the swivel pin on a substantially horizontal axis, said arm being connected to the trailing wheel and the swivel pin being located in a position which is laterally removed from and forwardly of the trailing wheel in the direction of movement of the vehicle during the gauging operation, a dial, a pivotally mounted pointer for operation over the dial, said pointer being mounted on the side of the axis of the trailing wheel opposite the swivel pin, a second arm carried by the swivel pin, and an articulated connection between the second arm and pointer for actuation of the pointer upon oscillation of the swivel pin.

2,582,428
PREPARATION OF ALUMINA-PLATINUM-HALOGEN CATALYST
Vladimir Haensel, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 17, 1949, Serial No. 99,869
5 Claims. (Cl. 252—442)

1. A method of manufacturing a catalyst which comprises adding a basic precipitant to aluminum chloride to form alumina containing chlorine, washing said alumina to retain therein from about 0.1% to about 8% by weight of said chlorine, commingling a platinum containing solution therewith, drying the resultant composite and then calcining the same.

2,582,429
WINDING MACHINE
Henry L. Haswell, Brevard, N. C., assignor, by mesne assignments, to Ecusta Paper Corporation, Pisgah Forest, N. C., a corporation of Delaware
Application August 20, 1946, Serial No. 691,699
3 Claims. (Cl. 242—65)



1. A winding machine comprising a frame, a driving roll journalled in said frame, a winding mandrel, bearing members forming journal supports for said winding mandrel, horizontal guideways on said frame supporting said bearing members for horizontal displacement, and a weighting cable of continuous length trained directly from both ends of said winding mandrel and tensioned under a constant pressure applied to said cable at a single point intermediate its ends for weighting said winding mandrel against horizontal displacement and thereby maintaining material wound on said winding mandrel in even peripheral contact with said driving roll.

2,582,430
GARDEN TRACTOR
Glenn A. Heilman, Connersville, Ind., assignor to Garden-All Tractor, Inc., Liberty, Ind., a corporation of Indiana
Application February 23, 1946, Serial No. 649,520
12 Claims. (Cl. 97—48)

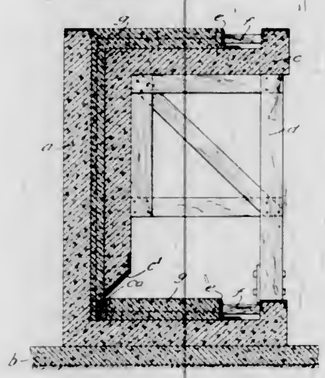
1. A gardening implement including, in combination, a base; a wheel supporting the base;

rearwardly extending guiding and balancing arms; a tool support frame having two side arms each mounted at its forward end by a universal joint to a corresponding side of the base to permit vertical and lateral pivoting of the tool support frame relative to the base, said side arms being coupled in spaced lateral relation by a coupling member positioned near their rear ends, whereby the resulting frame may swing laterally



and vertically; and means for coupling the rear end of the tool frame to the guiding arms in any one of a plurality of vertically spaced positions, said means comprising a notched member extending upwardly from the side arm coupling member and a horizontally disposed cross member suspended from the guiding arms and engageable with any selected notch in said notched member.

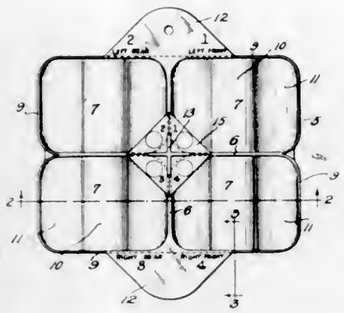
2,582,431
APPARATUS FOR MOLDING CONCRETE BUILDING SEGMENTS
Albert Henderson, Pittsburgh, Pa.
Application November 2, 1950, Serial No. 193,587
5 Claims. (Cl. 25—118)



1. An apparatus for molding concrete building segments having spaced flange members, comprising an upper open top flange mold and a lower open top flange mold, a laterally slidable mold wall for molding the bottom of said flange members being disposed on each of said flange molds.

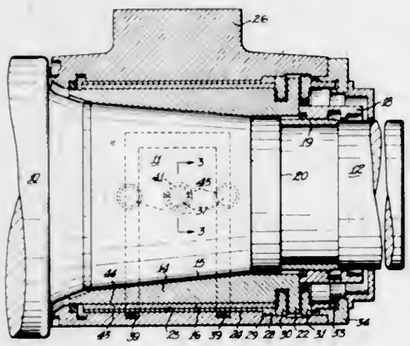
2,582,432
MILK EXAMINING PAN
Raymond L. Herring, Pataskala, Ohio
Application October 8, 1949, Serial No. 120,332
3 Claims. (Cl. 88—14)

1. A milk-examining pan comprising: an integral body composed of a bottom, upstanding outer marginal walls and internally upstanding intersecting divisional ribs, said ribs being joined with said bottom and marginal walls to provide in the pan body a plurality of relatively shallow open-topped milk-receiving compartments, a major portion of the bottom wall of each of said compartments possessing a convex configuration, with the highest plane thereof disposed substantially below the horizontal plane defining the upper edges of said marginal walls and divisional ribs, the convex portion of each of said bottom walls extending uniformly across the full width of each of said compartments from an outer marginal wall to an inner divisional rib, and the



said convex portion of each compartment terminating at the ends thereof in smoothly merged concave continuations joining integrally with one of said outer marginal walls and with one of said ribs, and forming on each side of said convex portion relatively deep wells for the reception of a testing quantity of milk.

2,582,433
BEARING OF THE OIL FILM TYPE
John H. Hitchcock, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application October 1, 1947, Serial No. 777,225
7 Claims. (Cl. 308—237)

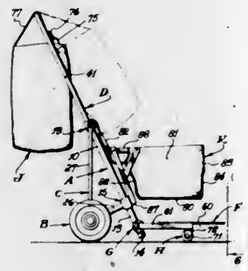


1. A bushing for an oil film bearing comprising an outer shell constructed of steel and having a cylindrical outer surface and a cylindrical bore, and an inner lining constructed of an aluminum alloy having a high resistance to corrosion from lubricating oil and a coefficient of thermal expansion appreciably greater than that of steel, the lining having a cylindrical outer surface which is accurately proportioned to fit tightly within the bore of the shell at assembly, so that the shell will yieldably restrict the expansion of the lining when the temperature of the bushing increases under operating conditions, and the relative radial thicknesses of the shell and lining being such that the stresses in these parts will remain below the yield strength as they reach normal operating temperature.

2,582,434
PRODUCTION OF HYDROCARBON DRYING OILS HAVING IMPROVED DRYING CHARACTERISTICS
Alfred E. Hoffman, Clarendon Hills, and Herman S. Bloch, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 29, 1948, Serial No. 30,156
6 Claims. (Cl. 260—666)

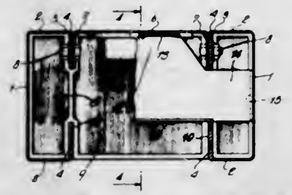
1. A process for producing a drying oil which comprises subjecting a non-aromatic unsaturated hydrocarbon of at least 3 carbon atoms per molecule to conjunct polymerization in the presence of a conjunct polymerization catalyst, continuing the reaction until there is formed a catalyst-hydrocarbon sludge comprising a complex addition product of the catalyst with polyolefinic cyclic hydrocarbons containing conjugated and non-conjugated unsaturation and boiling above and below 300° C., separating said sludge from the hydrocarbon products of the conjunct polymerization reaction, decomposing the separated sludge to recover therefrom a mixture of said polyolefinic cyclic hydrocarbons, fractionating said mixture to separate therefrom polyolefinic cyclic hydrocarbons boiling below about 300° C., supplying the latter to the conjunct polymerization step for further conversion therein to higher molecular weight hydrocarbons and reaction with conjunct polymerization catalyst as aforesaid, and recovering the remainder of said mixture as the drying oil product of the process.

2,582,435
WHEELED CARRIER
Edward A. Howard, Altadena, Calif.
Application June 26, 1946, Serial No. 679,331
14 Claims. (Cl. 280—36)



1. A carrier of the character described including, a frame including spaced parallel side members joined by transverse upper and lower rails, a pair of wheels, a support for each wheel extending rearwardly and laterally from the frame to support the wheel outward and rearward of the frame at the lower end portion thereof so the frame extends upward and rearward when its lower end rests on the ground, a handle shiftably connected to the frame, the wheels being carried by the supports so the space between them is wholly unobstructed, the handle including a transverse grip and depending arms slidably carried by the side members of the frame, and latch means holding the arms against movement relative to the frame.

2,582,436
METAL HATCH PONTOON
Karl W. Jernstrom, Verona, N. J., assignor to Seaboard Machinery Corp., New York, N. Y., a corporation of New Jersey
Application June 5, 1947, Serial No. 752,734
1 Claim. (Cl. 189—46)

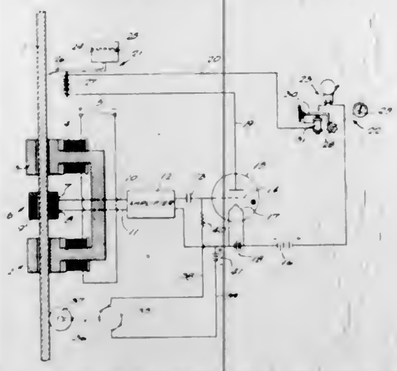


A metal ship hatch pontoon comprising two substantially rectangular channels each having a web and flanges, arranged mutually parallel with the flanges of one extending toward those of the other in mutually spaced alignment at similar web side edges, with the flange side edges, of each of said channels and remote from the web integrally provided with flanges rectangularly extending from said flange side edges toward the channel center and terminating in mutually spaced relation, in each instance to define with the channel a rectangular box section having a longitudinal slot giving access to its interior, and a channel having a web and flanges, arranged with its web flush with an aligned two of the first-named flanges and its flanges extending in the same direction and contacting and being fastened to the second-named flanges extending from said two of the first named flanges, said second-named flanges of said first-named channels, having thicknesses greater than required to make their total cross-sectional area equal that of the channel web of which they are parts, the webs of said first-named channels being wider than their first-named flanges, and vertical plates having top and side edge flanges being transversely positioned between the first-named channels beneath the second-named channel, with their side edge flanges contacting and fastened to the webs of the first-named channels and their top edge flanges contacting and fastened to the web of the second-named channel, said plates being mutually spaced longitudinally of said channels.

2,582,437
ELECTROMAGNETIC TESTING DEVICE FOR STEEL ROPES
Mieczyslaw Jezewski and Ludger Szklarski, Krakow, Poland, assignors to Maurycy Brokman, New York, N. Y., and Waclaw Szukiewicz, Forest Hills, N. Y.
Application May 8, 1948, Serial No. 25,906
In Poland May 10, 1947
7 Claims. (Cl. 175—183)

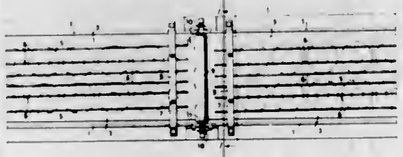
1. A D.-C. operated detector device for an electric indicator for supervising a ferro-magnetic rope in motion as to mechanical defects, comprising electronic tube means including a negatively biased control grid, the plate current of the tube means controlling the indications of said indicator, D.-C. energized electromagnetic means for magnetizing a rope portion moving adjacent to the electromagnetic means, the magnetic field of a magnetized rope portion being controlled by the mechanical condition of the respective rope portion, detecting solenoid means including a pair of oppositely wound coils disposed substantially coaxially with the rope axis, the E. M. F. output of said coils being adjusted for zero output in response to the magnetic field of a moving mag-

netized rope portion in normal mechanical condition, amplifying means connected in circuit with said solenoid coils and said control grid for transmitting the coil E. M. F. to said grid so as to reduce the negative grid bias in response to an increase of the coil output by reason of a variation of said magnetic field due to a rope defect, and D.-C. current generating means including a



rotor operatively connected with the rope for rotation corresponding to the rope velocity, the output side of said generating means being connected in circuit with said control grid for increasing the negative bias thereof with increasing rope velocity, thereby controlling the plate current by a grid bias representing a function of the mechanical condition of the rope and the velocity thereof.

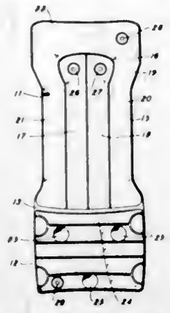
2,582,438
WOOD FINISHING APPARATUS
Leslie Hess Jones, Memphis, Tenn., assignor to E. L. Bruce Company, Memphis, Tenn., a corporation of Delaware
Application February 28, 1950, Serial No. 146,904
4 Claims. (Cl. 219—35)



1. In wood finishing apparatus, a casing forming a tunnel, a conveyor extending through said tunnel, a series of heating lamps in said tunnel above said conveyor and a grille supported in said tunnel between said lamps and said conveyor, said grille comprising a plurality of spaced members extending longitudinally of said conveyor and at an angle to the direction of travel thereof.

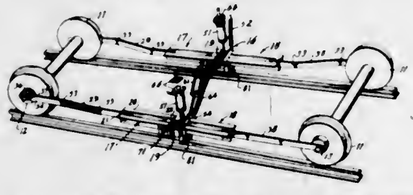
2,582,439
PNEUMATIC SEAT AND BACK REST LOUNGING DEVICE
James O. Kavanagh, South Norwalk, Conn., assignor to Luxury Gifts, Inc., New York, N. Y., a corporation of New York
Application October 12, 1949, Serial No. 120,948
2 Claims. (Cl. 155—179)

1. A lounging device to provide head and back support for the user comprising a back portion, a seat portion attached to said back portion, each of said portions comprising a plurality of closed, elongated envelopes of pliable material adapted to contain air or other gas, some of the envelopes in said back portion being elongated in a direction parallel to the longitudinal axis of the device to produce rigidity in said back portion and said envelopes in the seat portion be-



ing elongated in a direction perpendicular to said longitudinal axis, and a plurality of suction cups on the under side of the seat portion.

2,582,440
RAIL FLAW DETECTION APPARATUS
Frank H. Keaton and David C. Bettison, Omaha, Nebr.
Application September 24, 1948, Serial No. 50,962
15 Claims. (Cl. 175—183)



8. In a rail flaw detection vehicle, a carriage adapted to be moved along a rail, said carriage including two frame members positioned in substantially longitudinal alignment, a universal joint connecting the adjacent ends of the members, means to pivotally support the non-adjacent ends of the members from the vehicle, a pickup holder on said carriage adjacent said joint, a rail engaging wheel connected to said carriage adjacent the joint to support the adjacent ends of the members at substantially constant distances from the rail and in substantially constant planes of orientation with respect to the rail, brush holders supported from each of said members and spaced from the joint, and means for electrically insulating the brush holder on one of said members from the brush holder on the other of the members except through brush contacts with the rail.

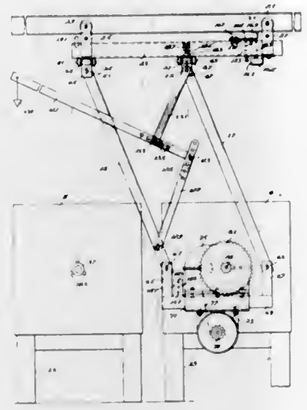
2,582,441
ELECTRIC BELL TONE GENERATOR MECHANISM
Jacob T. Kunz, North Hills, Pa., assignor to Schulmerich Electronics, Incorporated, Sellersville, Pa., a corporation of Pennsylvania
Application June 9, 1950, Serial No. 167,183
10 Claims. (Cl. 177—7)



3. In a bell-tone generator, the combination comprising a vibrator rod, a support for said rod, a plunger movable relative to said rod and into

contact therewith, and a depressible spring plate upon which said plunger rides, said spring plate upon being released after pressure has been applied thereto causing said plunger to move and to strike the rod.

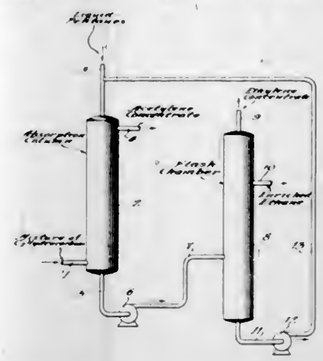
2,582,442
POWER WRENCH MECHANISM FOR CERAMIC FILTER PRESSES
Grover W. Lapp, Le Roy, N. Y., assignor to Lapp Insulator Company, Inc., Le Roy, N. Y., a corporation of New York
Application May 19, 1945, Serial No. 594,669
15 Claims. (Cl. 81—54)



3. Power wrench mechanism for turning a screw of a ceramic filter press or the like, said mechanism including a track, a carriage movable along said track to the vicinity of different filter presses, an electric motor, means for coupling said motor to the screw to be turned, supporting mechanism for supporting said motor from said carriage, said supporting mechanism being swingable relative to said carriage to carry said motor closer to or farther away from the filter press as the screw travels longitudinally, and a switch operated by the swinging movement of said supporting mechanism relative to said carriage for automatically stopping said motor when said supporting mechanism swings to a predetermined extent.

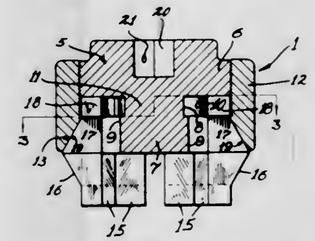
2,582,443
PROCESS FOR SEPARATION OF HYDROCARBONS
Carl B. Linn, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 31, 1947, Serial No. 751,639
6 Claims. (Cl. 183—115)

4. A process for removing ethane from a mixture of C_2 hydrocarbons containing acetylene which comprises contacting said mixture with a liquefied paraffinic solvent containing from 3 to 6 carbon atoms per molecule at a superatmospheric pressure of at least about 10 atmospheres and at a temperature below the critical temperature of said paraffinic solvent to thereby effect selective absorption of said ethane in said solvent and separating the resulting liquid phase containing



said ethane from the resulting gaseous phase containing said acetylene.

2,582,444
CAM ACTUATED SLIDABLE JAW WRENCH
Donald C. Lucht, Harrington, Wash.
Application November 25, 1949, Serial No. 129,465
3 Claims. (Cl. 81—128)

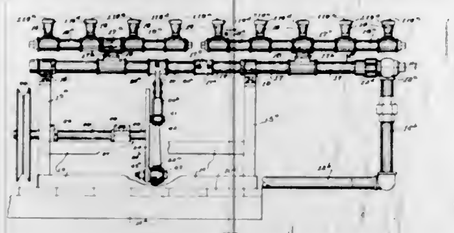


3. In a wrench, a head comprising a block formed with a circumferentially extending groove spaced from its upper and lower ends and below said groove being formed with radially extending slots communicating with the groove, jaws projecting downwardly from said block and having necks passing upwardly through the slots and having members at their upper ends resting upon the bottom of the groove at the sides of the slots, there being cam surfaces projecting outwardly from outer sides of the slots, spring means in said groove urging said jaws outwardly towards a releasing position, a collar screwed upon said block from the upper end thereof and having a cam surface engaging the cam surfaces of the jaws for shifting the jaws inwardly to a gripping position when the collar is turned in a lowering direction, and a handle for said block.

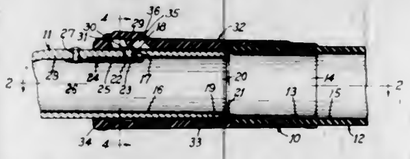
2,582,445
SPRAYER
Arthur R. Mahlig and Robert B. Hinely, Orlando, Fla.
Application August 5, 1946, Serial No. 688,460
3 Claims. (Cl. 299—37)

2. A spraying machine comprising a hollow liquid-carrying shaft, the shaft having sections angularly adjustable with relation to each other, spray-delivering means including a plurality of hollow headers disposed normally parallel with respect to the hollow shaft, means supporting the headers on the shaft and serving as conduits

therebetween, said supporting means being adjustable about an axis normal to the shaft axis so as to permit angular adjustment of the headers with respect to the shaft and each other, a plurality of nozzles on each of the headers and connected to receive liquid therefrom and having substantially parallel axes, supports for oscillatingly supporting the shaft, and power means for oscillating the shaft through a predetermined angle.

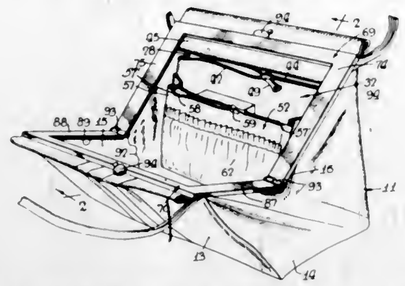


2,582,446
AIRTIGHT TUBULAR COUPLING
Eugene F. Martinet, Cleveland, Ohio, assignor to Royal Vacuum Cleaner Company, Cleveland, Ohio, a corporation of Ohio
Application July 21, 1950, Serial No. 175,049
5 Claims. (Cl. 285—174)



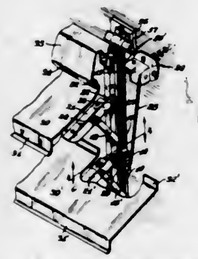
1. In a tubular coupling, an outer tubular member and an inner tubular member, the tubular members being arranged for separable telescoping jointure with each other, each of the tubular members having formed therein an aperture registrable with the aperture of the other, a detent member located in the aperture of the inner tubular member and extendable into the aperture of the outer tubular member when the apertures are registered with each other and thereby connecting the tubular members with each other, spring means on the inside of the inner tubular member supporting the detent member in the aperture of the inner tubular member and resiliently urging the detent member outwardly, a resilient closure sleeve located on the outer tubular member in airtight engagement therewith, the closure sleeve extending beyond the end of the outer tubular member, and the closure sleeve including a gripping ring portion beyond the outer end of the outer tubular member, and the gripping ring portion being adapted for making a gripping closure engagement with the entire circumference of the inner tubular member when the tubular members are telescoped with each other, the closure sleeve having an inner surface with a cavity formed therein, the cavity opening over the aperture of the outer tubular member, and the closure sleeve including in its cavity a circumferential rib located outwardly of the aperture of the outer tubular member, the detent member having an outer end face and the rib being adapted for being pressed against the outer end face of the detent member when the tubular members are connected with each other, so as to press the detent member inwardly and permit withdrawal of the inner tubular member from the outer tubular member.

2,582,447
HANDBAG
Henry Meyers, Norwalk, Conn.
Application January 20, 1948, Serial No. 3,302
4 Claims. (Cl. 150—34)



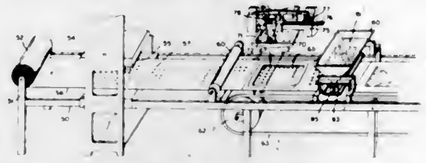
1. A handbag comprising a container having side walls swinging apart and together, a panel positioned on one of said side walls, said panel comprising a stiffening member having a facing on one side thereof, a pocket on said panel, said pocket comprising a sheet of fabric of greater width than said panel and folded to double ply thickness, a cardboard stiffening liner between said plies, said sheet being affixed at its bottom and lateral edges to said panel and having a pleat near one of the lateral edges thereof, thereby permitting expansion of said pocket, a border affixed to said panel at the upper and lateral edges thereof, the lower edge of said border and the upper edge of said sheet having "zipper" means thereon whereby said pocket may readily be opened and closed, a second pocket superposed on said first pocket and having its mouth extending parallel to the mouth of said first pocket and positioned therebelow, said second pocket comprising a sheet of fabric folded to form a double ply and affixed at its lateral and lower edges to the corresponding edges of said first pocket, said second pocket having pleats at the sides and bottom thereof to permit expansion of said pocket, the front wall of said second pocket having a slit through the folded upper edge thereof to form a third pocket, a "zipper" closure affixed to the slit upper edge of said front wall and a stiffening member affixed to each of the inner walls of said third pocket.

2,582,448
AWNING OR JALOUSIE
Orman O. McKinley, Indianapolis, Ind.
Application May 3, 1946, Serial No. 667,163
6 Claims. (Cl. 20—57.5)



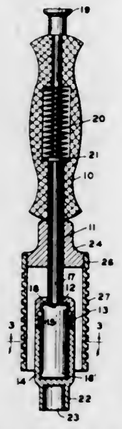
2. An awning or jalousie comprising a pair of parallel trackways, a plurality of brackets, means engaging an end of each bracket and pivotally mounting said brackets at spaced points on each of said trackways, each bracket on one trackway having a mate mounted on the other trackway to swing about a common axis therewith, a slat carried by and connecting each bracket with its mate, means guided by each trackway for movement therealong, and a link for each bracket, each link having one end pivoted to its bracket intermediate the ends thereof and having its other end operatively connected with the means guided by its trackway.

2,582,449
APPARATUS FOR PRODUCING SEAT PADS
John R. Millar, Reno, Nev., and Robert J. Stack, Grosse Pointe, and Clarence J. Davies, Detroit, Mich., assignors to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application May 22, 1950, Serial No. 163,541
10 Claims. (Cl. 18—4)



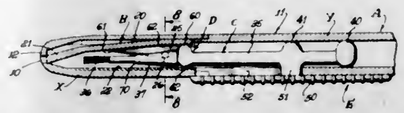
1. An apparatus for forming foam rubber seat pads, a traveling conveyor comprising a plurality of spaced molds each having a plurality of upwardly extending mold cores, means for advancing a web of fabric to said conveyor, cutting means operable on the fabric as it is advanced to form a plurality of holes in the fabric corresponding in number and disposition to the cores of said molds and registerable therewith, means operable as said cut fabric moves in registration with said mold to press said fabric into said mold with the cores extending through the holes in said fabric, and means for thereafter filling the fabric lined mold cavities with unvulcanized rubber.

2,582,450
DEHORNING DEVICE
Samuel Stewart Mims, Atlanta, Ga.
Application April 26, 1950, Serial No. 158,203
6 Claims. (Cl. 128—303.1)



6. In a dehorning device, a connecting member, a handle mounted on one end of said member, a combustion chamber base secured to the other end of said member, a combustion chamber extension removably connected to said combustion chamber base to form a combustion chamber to receive a combustible heating charge, a dehorning tip on said combustion chamber extension, said tip having a recess to receive a horn button, and a shield surrounding said combustion chamber, said shield being radially spaced from said combustion chamber.

2,582,451
RETRACTABLE APPLICATOR
Charles A. Mureau, Van Nuys, Calif.
Application March 25, 1946, Serial No. 657,008
10 Claims. (Cl. 15—184)

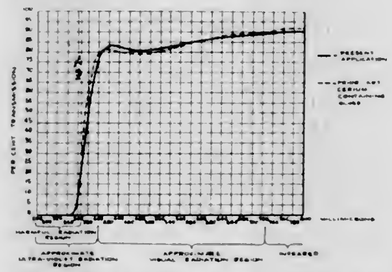


5. A device of the character described including, an elongate case having a brush opening at its forward end, a closure for the opening located entirely within the case and pivotally mounted in the case on an axis transverse of the case and substantially diametric thereof at a fixed location lengthwise of the case, a brush unit mounted to reciprocate in the case and operable to project out of the case through the opening, and a member on the brush unit cooperatively engaging the closure and swinging it open as the brush unit is moved toward the opening.

2,582,452
TRANSPARENT, FLAME-RESISTANT POLYSTYRENE
Harry S. Olson and Robert C. Danison, Painesville, Ohio, assignors to Diamond Alkali Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application December 16, 1948, Serial No. 65,735
1 Claim. (Cl. 260—28.5)

An organic, resinous, transparent, flame-resistant, thermoplastic composition consisting essentially of 72 parts of polystyrene, 27 parts of chlorinated paraffin wax containing 64% to 68% of chemically combined chlorine, and one part of glycidyl oleate.

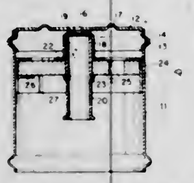
2,582,453
ABSORBING GLASS AND METHOD OF MAKING SAME
Alexis G. Pincus, Worcester, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application July 2, 1948, Serial No. 36,765
21 Claims. (Cl. 106—52)



16. The method of making ultra-violet absorbing glass of the character described comprising forming a glass batch consisting of ingredients

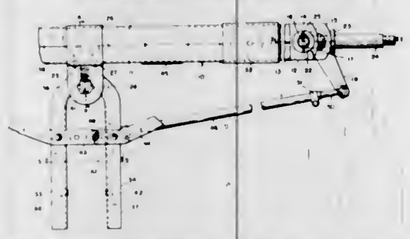
to yield by weight approximately 67 to 70% silica, about 0.2 to 1.2% vanadium pentoxide, about 0.15% to 0.45% of manganese dioxide and the remainder lime, potash and soda, melting said batch under oxidizing conditions at a temperature in the neighborhood of 2500° F. and soaking said melt at about 2200° F. to produce in the resultant glass at a thickness of two millimeters a light amethyst color and a transmission of less than about 5% for ultra-violet radiations of wave length up to about 356 millimicrons, and an overall transmission in the visible region of at least 75%.

2,582,454
CATHODE GRID ASSEMBLY
Eric Pohle, Clifton, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J., a corporation of Delaware
Application May 13, 1950, Serial No. 161,793
5 Claims. (Cl. 313—83)



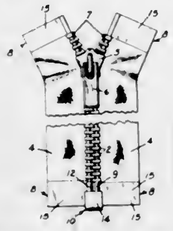
1. A cathode grid assembly for a cathode ray tube, said assembly comprising a cathode in the form of a cylinder closed at one end with the outer surface of said closed end being coated with an electron emissive material, a grid in the form of a cylinder closed at one end and having a central aperture in said closed end, said cathode being mounted coaxially within said grid with the closed ends in the same longitudinal direction and supported therein by an insulating disc secured thereto, and a mounting rim around the outer edge of said disc pressing against the inner surface of the sides of said grid preventing relative longitudinal movement between said cathode and said grid.

2,582,455
STEERING MECHANISM
Elbert L. Potter, Davenport, Iowa, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application February 24, 1947, Serial No. 730,458
6 Claims. (Cl. 280—103)



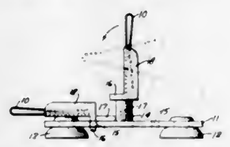
3. An axle comprising a pair of bent sheet metal straight channel members arranged on opposite sides of a vertical plane with their flanges abutting to form a box beam and U-shaped bent sheet metal end members each having the central web portion thereof in a vertical plane extending across the end of said channel members and secured thereto by welding, the flanges of said U-shaped member extending outward in parallel upwardly inclined planes, a bent rod wheel spindle member having a shank portion thereof extending through and journalled in aligned apertures in said flanges with its axis perpendicular to the planes thereof, a sheet metal arm apertured for the passage of said shank and welded thereto a sheet metal member at the center of said beam fashioned to surround the same with forwardly extending downwardly offset spaced horizontal flanges, a tongue member extending between and pivotally connected to said flanges, and rods connecting said tongue member with the arms of said wheel spindle members.

2,582,456
SLIDE FASTENER
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application October 15, 1948, Serial No. 54,619
1 Claim. (Cl. 24—205.16)



In a slide fastener having a series of interlocking fastener elements attached to the opposed beaded edges of a pair of stringer tapes and a slider arranged thereon for longitudinal movement therealong for opening and closing the fastener, a separable end connection disposed beyond the endmost fastener elements on the tapes including means for reinforcing and finishing the ends of the tapes, said means comprising a relatively thin and flexible strip of material secured to the opposed surfaces of each of the tape ends including the beaded edges thereof, said strip being of a plastic material and lies in the interstices in the outer surface of the tape and the beaded edges substantially in the plane thereof so that the reinforced tape ends are substantially the same thickness as the remainder of the tapes, and cooperating separable end members disposed over and around the beaded edges of the tape ends and the reinforcing plastic means.

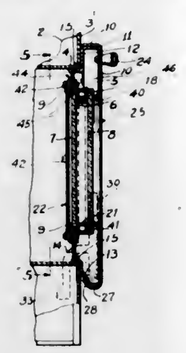
2,582,457
BOBBY PIN HOLDER AND OPENER
Wert E. Roberts, La Junta, Colo., assignor of fifty per cent to Robert F. Cadwallader, Rocky Ford, Colo.
Application May 13, 1949, Serial No. 93,167
3 Claims. (Cl. 132—1)



1. A device for supporting and for spreading the legs of a bobby pin comprising: a carrier strip; a plurality of vertical, spaced-apart partition teeth extending from said carrier strip; and separating members joining the upper portions of the adjacent teeth and spaced upwardly from the carrier strip, said separating members having less thickness than said teeth and adapted

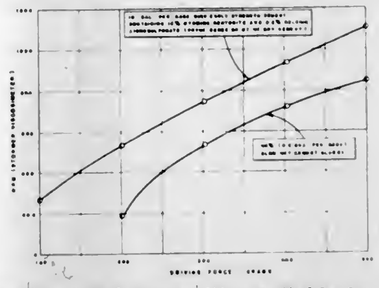
to pass between the legs of a bobby pin as it is forced downwardly thereover between the adjacent teeth, and said teeth projecting laterally from the separating members and serving to guide tilting movement of pins about the separating members.

2,582,458
RANGE OVEN DOOR AND WINDOW CONSTRUCTION
Arnold L. Rose, Beverly Hills, Calif., assignor to Supermatic Products Corporation, Burbank, Calif., a corporation of California
Application September 29, 1947, Serial No. 776,658
2 Claims. (Cl. 126—200)



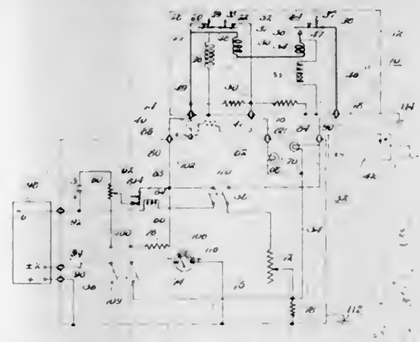
1. A combined range door and window construction, comprising a main frame member having a dished body section having upstanding flange sections, said body section being formed with a window opening centrally positioned in said dished body section, a window frame member having a right angular cross section, one leg of said window frame member being mounted on the anterior surface of said dished body section contiguous to and framing said window opening, the other leg of said frame member extending at right angles to said anterior surface around said opening, a window spacer having a channel cross section mounted between the sides of said window frame which extends at right angles to said anterior surface, a pair of window panes mounted in said window frame adjacent the posterior and anterior surfaces of said window spacer, a front panel of shape complementary to said main frame member and having upstanding rims adapted to frictionally engage the flange section of said main frame member, said dished body section having an opening complementary to and in registry with said opening of said main frame member, the edges of said opening of said front panel being bent in an arcuate curve in a posterior direction and adapted to seat against the window pane adjacent said front panel, a rear clamping member having an arcuate cross section, formed with an opening complementary to and in registry with the opening of said main frame member, means for mounting said clamping member on the posterior surface of said main frame member, the outer edge of said clamping member bearing on said posterior surface of said main frame member and the inner edge being spaced from said adjacent window pane, and a gasket framing said last-named window pane and positioned between said last-named window pane and the edge of the clamping member.

2,582,459
COMPOSITION FOR OIL WELL CEMENTING
Richard A. Salathiel, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application November 3, 1948, Serial No. 58,127
6 Claims. (Cl. 106—90)



1. An improved composition suitable for use in cementing wells which consists of a Portland cement, an amount of a water-soluble salt of lignin sulfonic acid in the range between 0.1 and 1.0% by weight of dry cement, a colloidal clay in an amount in the range between 5% and 35% by weight of dry cement and water in an amount sufficient to provide a pumpable slurry.

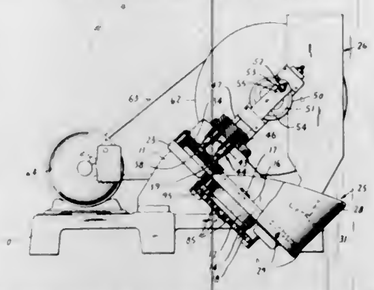
2,582,460
APPARATUS FOR TESTING AUTOMATIC STORAGE BATTERY CHARGERS
Edward Salzberg, Roxbury, Mass.
Application September 14, 1948, Serial No. 49,245
9 Claims. (Cl. 175—183)



1. An apparatus for testing an automatic storage battery charger having an electric generator armature terminal, an electric generator field terminal and a storage battery terminal and provided with a plurality of electromagnetically actuated control devices, including at least a current control and a storage-battery cutout control, each having a switch and a co-operating electromagnet, each said switch being connected to a different one of said terminals, said apparatus comprising in combination, a source of static electric power; means connecting said source of power in circuit with the switch members of said controls, means for varying the current in said circuit, a first current responsive non-metering signal means in circuit with the switch member of said current control and said power source, a second current responsive signal means in circuit with the switch member of said cutout control and said power source, and meter means connected across the circuit of second signal means, whereby a characteristic of the power

at which said cutout control operates may be indicated upon the operation of said second signal means.

2,582,461
APPARATUS FOR POSITIONING AND BROACHING BUTTONS
John F. Schneider, Jr., Ridgewood, N. Y., assignor to Buttondex Corporation, New York, N. Y., a corporation of New York
Application October 12, 1948, Serial No. 54,093
11 Claims. (Cl. 79—1)



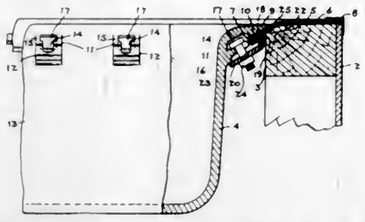
2. A machine for broaching buttons including, in combination, a holder for a mass of buttons, a conveyor that carries buttons from the holder to a broaching station, said conveyor having individual sockets for moving one button at a time to the broaching station, pawl and ratchet mechanism for rotating the conveyor with an intermittent movement, indexing means for positioning and holding the conveyor with selected sockets in register with the broaching station, said indexing means including a device having tapered surfaces that advance or retreat the conveyor to obtain exact registry and operating mechanism that moves the indexing device into position to hold the conveyor against retrograde movement as the pawl begins each of its return strokes after advancing the ratchet.

2,582,462
PROCESS FOR ATMOSPHERIC CONTROL
Jewett F. Schrumn, Reno, Nev., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Original application September 10, 1943, Serial No. 501,753. Divided and this application July 19, 1947, Serial No. 762,047
4 Claims. (Cl. 263—52)



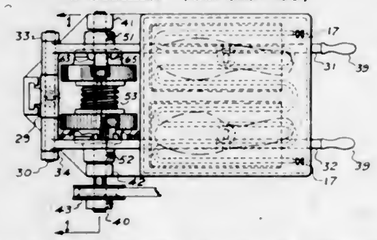
4. The process of controlling the atmosphere in a work-treating furnace having a generally vertical opening for introduction or removal of work, comprising continuously introducing into the furnace a combustible reducing gas, continuously withdrawing said gas from within the furnace downward across the full width of the opening to provide a downwardly flowing air-excluding curtain consisting substantially only of said gas extending completely across the opening by maintaining a subatmospheric pressure in an offtake extending completely across the bottom of the opening, while maintaining the furnace filled with said gas, and igniting the curtain of gas to provide a flame curtain.

2,582,463
SINK CONSTRUCTION AND INSTALLATION
Milton D. Skinner, Port Credit, Ontario, Canada
Application August 22, 1947, Serial No. 770,017
5 Claims. (Cl. 4—187)



1. A sink installation comprising a drain surface having an opening formed therein to receive a sink, an overlay material covering said drain surface and projecting inwardly beyond the edge of said drain surface opening, a sink inserted in said opening and having an outwardly extending rim extending over the edge of said opening and engaging over said overlay material, a clamping ring arranged beneath said rim and overlay material for compressing the portion of the overlay material projecting inwardly beyond the edge of said opening against the underside of the sink rim and urging the edge of said rim into said overlay material to provide a water-tight seal around the rim, and means carried by said sink to enable said clamping ring to be applied and maintained in clamping relation.

2,582,464
APPARATUS FOR TREATING SHOE SOLES
Edward F. Small, Newton, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application March 22, 1950, Serial No. 151,242
3 Claims. (Cl. 219—19)

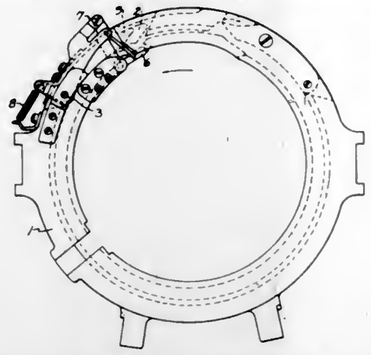


1. Apparatus for heat activating thermoplastic cement on shoe soles comprising a chamber, an electric heater within said chamber, said heater being arranged to radiate heat downwardly, a moveable sole support located within said chamber below said heater, manually operated means for moving said support towards said heater, and means including a power operated cam for maintaining said support in a position near said heater for a definite period of time and for thereafter allowing return of said support to a position located a fixed distance away from said heater.

2,582,465
SINKER CAP AND OPERATING MECHANISM
Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application July 8, 1949, Serial No. 103,551
3 Claims. (Cl. 66—108)

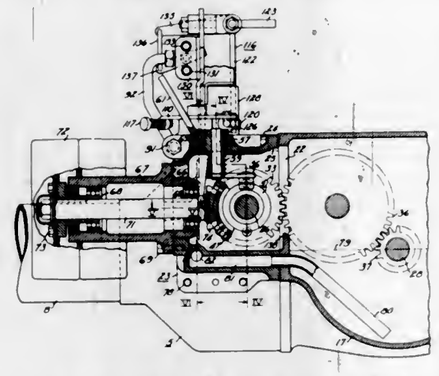
1. For a circular, independent needle, knitting machine, a sinker cap including a pivoted casting

off cam positionable at a plurality of casting off positions, automatic means for positioning said



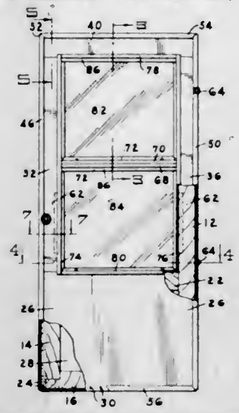
cam at either of said positions, and adjusting means for altering the location of each of said positions independently of the other.

2,582,466
POWER TAKE-OFF
Walter F. Strehlow, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 8, 1949, Serial No. 114,559
7 Claims. (Cl. 74—15.63)



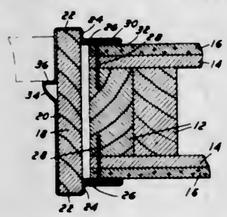
1. In a power take-off mechanism, a first housing having a shaft journaled therein with one end of said shaft extending through and beyond one wall of said housing, a first gear in said housing fixed to said shaft for rotation therewith, an idler gear rotatably mounted on said shaft in adjacent relation to said first gear and adapted for meshing engagement with an external drive gear, means for selectively connecting said first and idler gears for rotation in unison, a power take-off shaft rotatably supported by said first housing and extending outwardly therefrom, a second gear fixed on an inner end portion of said power take-off shaft for rotation therewith in meshing relation with said first gear, a housing portion disposed in covering relation to said one wall of said first housing and enclosing said one end of said first mentioned shaft, a hydraulic pumping element carried by said housing portion adjacent an interior wall thereof, and a third gear mounted on said one end of said first mentioned shaft for rotation therewith and having a driving engagement with said pumping element.

2,582,467
DOOR
Joseph Sylvan, Berkley, Mich.
Application February 20, 1948, Serial No. 9,691
2 Claims. (Cl. 20—35)



1. A door comprising a wood frame having two upright wood stiles secured in spaced apart relationship by wood cross frame members including a top and a bottom frame member with ends abutting and contacting the upright stiles, separate planar metal sheets covering opposite sides of the wood frame, securing means extending transversely through the metal sheets into the wood frame fastening the sheets thereto and headed against the outside of said sheets, said securing means being arranged along the margins of the sheets spaced therefrom, said metal sheets terminating spaced from the outer margins of the stiles and from the outer margins of the top and bottom cross frame members leaving the marginal portions of the wood frame exposed on both sides beyond the margins of the sheets, a metal channel received over each outer marginal portion of the wood frame extending across the exposed wood portion of the wood frame, the opposed walls of said channel grippingly engaging the metal sheets and overlying said securing means, each channel having side walls of a width in excess of the distance from the heads of said securing means to the adjacent margin of the wood frame, whereby each channel is adjustable inwardly and outwardly with respect to the margin of the wood frame while maintaining a position overlying and abutting the heads of said securing means.

2,582,468
JAMB ASSEMBLY
Joseph Sylvan, Berkley, Mich.
Application March 4, 1950, Serial No. 147,670
2 Claims. (Cl. 20—11)



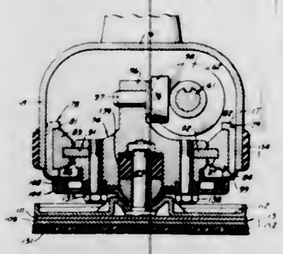
1. A jamb assembly for use with a portion of a side wall comprising, in combination, a wood jamb strip substantially rectangular in cross section, a metal channel mounted upon said strip

embracing same as a sheath with the strip seated against the bottom of the channel and the side walls of the channel seated against the edges of the strip, said side walls being bent inwardly toward each other overhanging that face of the strip opposite to the face abutting the bottom of the channel along the edges of the strip, said side walls then bent outwardly away from the strip forming flanges projecting outwardly from said face of the strip normal thereto adapted to overlap the opposite sides of said side wall portion and to be secured thereto, and a fastener concealing strip associated with each flange, each fastener concealing strip folded lengthwise upon itself forming two linearly extending side walls and adapted to be grippingly received over the margin of a flange, one side wall having a width equal to the width of the flange over which the strip is adapted to be received and the other side wall having a width less than the width of said flange.

2,582,469
METALLURGY
Marvin J. Udy, Niagara Falls, N. Y.
No Drawing. Application August 11, 1948, Serial No. 43,772
10 Claims. (Cl. 75—11)

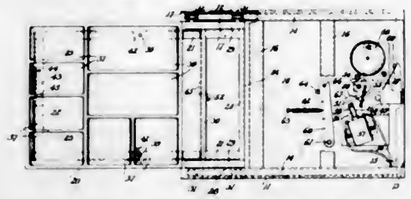
1. The method of producing ferrochromium which comprises heating a charge comprising chromite ore, a solid carbonaceous reducing agent and fluxing material to a temperature and for a period of time sufficient to at least sinter the charge and producing a high-temperature product, adding the high-temperature product directly to a molten charge undergoing reduction in an open arc electric furnace and reducing iron and chromium of the chromite ore with the production of molten ferrochromium, and withdrawing molten ferrochromium from the furnace.

2,582,470
PORTABLE SANDING MACHINE
Allan B. Walker, Piedmont, and Harry J. Riddle, Alameda, Calif.; said Walker assignor to said Riddle
Application November 2, 1949, Serial No. 124,958
1 Claim. (Cl. 51—170)



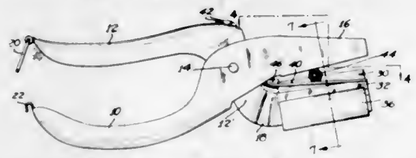
A sanding machine comprising, a casing, power driven reciprocating means in said casing, a sealing plate slidably mounted on the under side of said casing for reciprocation, a sanding shoe, said plate and shoe being formed with interfitting ball-and-socket portions supporting limited universal action, a post member secured to said shoe and extending through said ball-and-socket portions and connected to said first means for reciprocation of said plate and shoe, and a resilient pad carried by said post member and resiliently resisting displacement of said shoe away from a position substantially parallel to said plate.

2,582,471
CASH DRAWER
Fletcher L. West, Alliance, Ohio, assignor to The McCaskey Register Company, Alliance, Ohio, a corporation of Ohio
Application January 5, 1946, Serial No. 639,250
3 Claims. (Cl. 312—343)



3. Apparatus comprising a chassis having a bottom wall and side walls, a horizontal rail fixed to the inner side of each side wall throughout its entire length, a slidable frame within the chassis, said slidable frame comprising side rails, a front rail, a back wall, an intermediate plate spaced from the back wall and side plates between the back wall and intermediate plate, spaced pairs of rollers journalled on each side plate and engaging the upper and lower sides of the corresponding rail, and a drawer detachably mounted upon the side rails and front rail of the slidabe frame, key-hole slots in the side rails, shouldered studs upon the drawer for longitudinal sliding engagement with the key-hole slots, a spring loaded stud upon the front rail and a socket in the bottom of the drawer for receiving said spring loaded stud to normally prevent longitudinal movement of the drawer relative to the slidable frame.

2,582,472
FLOWER SNIPS
John D. Arrowsmith, Richmond Beach, Wash.
Application August 22, 1947, Serial No. 770,054
2 Claims. (Cl. 30—135)



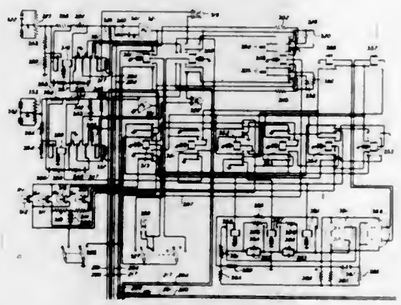
1. Cutting snips comprising a pair of handle members having jaw extensions thereon and pivoted together at the roots of said jaw extensions, said handle members and jaw extensions being formed of sheet metal, the jaw extension of one handle member comprising parallel sheet metal sides interconnected by a transverse flat sheet metal web comprising the jaw face, the sheet metal of one of said sides, at its edge opposite said web, extending first transversely outward from said side a short distance, thence closely parallel to said side to the plane of web to define a narrow blade-receiving groove along said side, the other jaw extension comprising parallel sheet metal sides adapted to be pressed together against opposite faces of a razor blade clamped therebetween and support said blade for swinging into and out of said groove in a plane perpendicular to said web, and a resilient metal clamping strip carried by one of the handle members and projecting into the space between jaws for swinging of such strip against said jaw face to clamp an object against the same as the jaws are closed for cutting.

2,582,473
TRANSPARENT WATCH PROTECTOR
Gerald Belfert, Brooklyn, N. Y.
Application November 8, 1946, Serial No. 708,582
1 Claim. (Cl. 224—4)



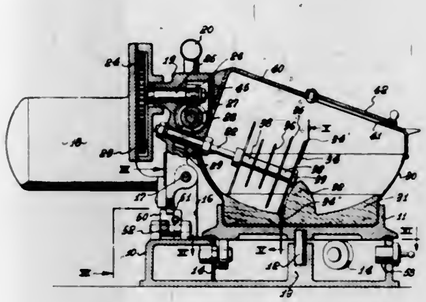
A watch protector for use with a wrist watch having wrist engaging strap sections connected thereto and extending diametrically from opposite sides thereof, comprising a one-piece transparent body having a portion overlying the face of the watch and integral elongated strap overlying portions extending from opposite sides thereof, side portions on said body enclosing the watch, the strap and watch connecting means and a considerable portion of the outwardly extending strap sections adjacent thereto, and means at the free end portions of said strap overlying portion and engaging with the wrist engaging strap sections mounting said transparent body in position over the watch, so constructed and arranged that said protector can be detached from the wrist engaging strap sections without removal of the watch from the wrist, said strap section engaging means comprising a pair of flange members pivotally connected to said free end portions and extending downwardly and inwardly therefrom, to surround the strap sections considerably beyond the watch and strap connecting means, and spring means connecting said flanges and said free end portions so as to resiliently bias said flanges downwardly and inwardly to engage the strap sections.

2,582,474
GUN COMPUTER HAVING TARGET RATE INTEGRATING MEANS FOR DETERMINING TARGET POSITION
David C. Bomberger, Plainfield, William E. Ingerson, North Plainfield, and Henry G. Och, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1944, Serial No. 570,282
16 Claims. (Cl. 235—61.5)



8. In combination with means for measuring the polar coordinates with respect to an arbitrary axis through an observation station of the present position of an object moving with substantially unaccelerated motion, means for producing in accordance with said measurements first effects proportional to the rectangular coordinates of the position of said object with respect to axes originating at said station, means for deriving from said first effects second effects proportional to the speeds of said object along said rectangular coordinates, means for producing third effects approximately equal to said second effects, means for integrating said third effects during a predetermined time interval, the integrated values starting with the values of said first effects at the commencement of the time interval, means for comparing the integrated values of said effects with the values of said first effects at the end of said time interval, means for adjusting said third effects and adding the integrated values of the adjustments in said effects to the integrated values of said effects until the sums equal the values of said first effects at the end of said interval of time, and means controlled by the sums of said integrated effects to produce indications of the polar coordinates with respect to said axis of the probable position of said object.

2,582,475
FOOD CHOPPER
John Braunwalder, Glendale, and Elsie Meyer, Los Angeles, Calif.; said Braunwalder assignor to said Meyer
Application February 5, 1949, Serial No. 74,764
3 Claims. (Cl. 146—67)



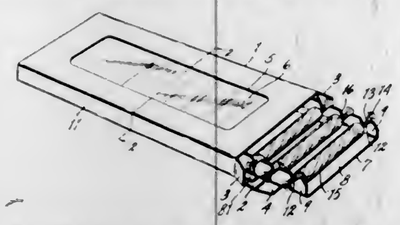
1. In a household food chopper the provision of: a hollow base; a removable bowl rotatably mounted upon the base about a vertical axis of rotation and provided with a concave bottom; an upstanding boss at one end of the base; a motor and associated gear housing hinge-connected to the boss for movement upon a horizontal axis to one side of said bowl; a cutter assembly including a driven cutter shaft extending from the gear housing with its axis downwardly inclined in a vertical plane passing through a radius of the bowl, a series of flat elongated chopping blades longitudinally spaced along the driven shaft and carried thereby in spaced parallel planes inclined to the axis of the bowl, each of said blades being of uniform width and provided with diametrically opposed circumferentially spaced curved chopping end edges, the blades of said series being angularly displaced with relation to each other to sequentially come into food chopping position and into proximity with the bottom of the bowl; said motor extending from the housing in a direction opposed to the cutter assembly and tending to counter-balance said cutter assembly; and a releasable latch means carried by the base adjacent said boss for releasably holding the motor, gear housing, shaft and blades in chopping position.

2,582,476

DISPLAY CONTAINER FOR INDIVIDUALLY WRAPPED ARTICLES OF MERCHANDISE AND SUPPORTING TRAY THEREFOR

Kenneth T. Buttery, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich.

Application June 20, 1949, Serial No. 100,168
7 Claims. (Cl. 206—45.14)



1. A container for articles of merchandise having wrappers twisted at both ends and providing article supporting elements, comprising a tubular container including a top wall, a bottom wall, opposed side walls and closure flaps at one end, said top wall having a window, a tray slidably received in said container and formed of a single blank sheet of substantially rigid fibrous material conformed to provide a bottom and upstanding flanges on its longitudinal edges, the flanges having opposed forwardly inclined longitudinally spaced slots opening at their upper edges and adapted to grippingly and retainingly receive the twisted ends of the article wrappers for supporting the articles in longitudinally spaced relation and elevated above the bottom of the tray and beneath said window in the container top wall, each flange having supporting tabs projecting outwardly from the bottom edges thereof, said tabs being integrally connected to the lower edges of the flanges and projecting outwardly of said lower edges in the plane of the bottom, said tabs in the blank sheet constituting portions of the bottom between the side flanges, the said tabs constituting guide members for the tray in the container and supporting the flanges in spaced relation to the side walls of the container, said tabs being separately hingedly connected to the bottom edges of the flanges and constituting means facilitating retention of the flanges in an upright position in the container, said tray being insertable into the container through the opening in the end of the container, closed by said end closure flaps and being slidable beneath the window in the container top wall in a direction longitudinally of said container side walls with said tabs in a slidable engagement with said opposed side walls.

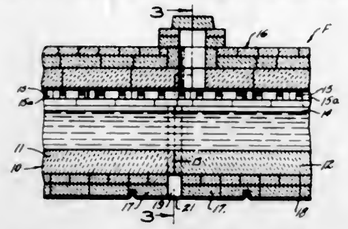
2,582,477

FOREHEARTH COOLED REFRACTORY CHANNEL JOINT

Madison M. Cannon, Jr., West Hartford, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware

Application April 19, 1950, Serial No. 156,915
2 Claims. (Cl. 49—54)

1. In combination, a generally U-shaped refractory molten glass conducting channel comprising a plurality of sections arranged end to end in abutting relation so as to provide a transverse joint extending between the bottom and side portions of adjacent sections, a generally U-shaped outer metallic casing in which said refractory channel is disposed with its bottom and sides spaced from the corresponding portions of the casing, and heat insulation disposed between the bottom and sides of the refractory channel sections and the corresponding portions of the outer metallic casing and cooperating therewith to define an air channel having a bottom portion and upwardly extending side portions extending across the bottom and up the sides of the refractory channel, respectively, at the joint between adjacent sections thereof, said air channel having an inner wall consisting of the outer edge of said joint and only narrow marginal portions of the bare outer surface of



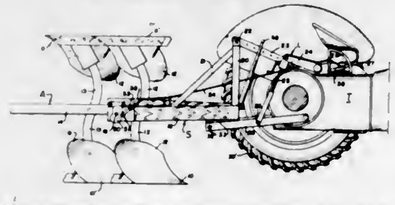
the adjacent end portions of the refractory channel sections at opposite sides of said joint, an outer wall opposite the inner wall and consisting of a portion of the outer metallic casing and a pair of side walls consisting of opposed end surfaces of spaced adjacent portions of the heat insulation, said air channel having an intake port at its bottom open to the ambient atmosphere and outlet ports at the upper ends of its upwardly extending side portions also open to the ambient atmosphere.

2,582,478

TWO-WAY PLOW

Donald L. Carlson, Denver, Colo.

Application May 18, 1949, Serial No. 93,861
12 Claims. (Cl. 97—26)



1. A two-way plow construction for a tractor or the like having a lifting mechanism, comprising left and right hand plows mounted on opposite sides of a common axis; a support for said plows and adapted to be mounted on said lifting mechanism; releasable means for maintaining each plow in down position; and means controlled by movement of said plows about said axis for actuating said lifting mechanism to lift said support upon release of said maintaining means and movement of said plows about said axis.

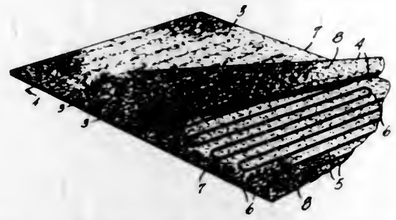
2,582,479

UPHOLSTERY SUPPORT PAD

William A. Clark, Detroit, Mich., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich., a corporation of Michigan

Application November 9, 1946, Serial No. 708,969
4 Claims. (Cl. 5—354)

1. An upholstery mat or cover for spring structures comprising a pair of sheets of kraft paper and a plurality of reinforcing strands formed from a continuous length of wire bent zig-zag whereby adjacent strands are connected and uniformly spaced in parallel relation by U-shaped bights, said reinforcing strands being disposed between the sheets with the bights between and adjacent but spaced inwardly from the edges of the sheets, the sheets being adhesively secured together throughout substantially the entire area



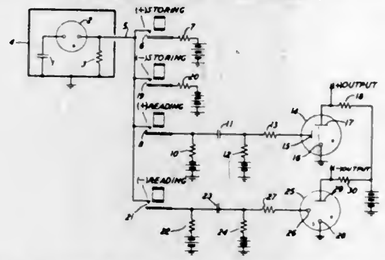
thereof by asphalt with the asphalt embracing the strands and the bights thereof throughout substantially the entire lengths of the strands and bights.

2,582,480

REGISTER CIRCUIT

Thomas L. Dimond, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 31, 1950, Serial No. 182,492
6 Claims. (Cl. 315—227)



1. An information storing circuit comprising a bilaterally conducting gaseous diode and a storage capacitor connected in series therewith, a potential source for initially applying a breakdown potential to said series diode-capacitor subcombination thereby charging said capacitor until the absolute value of said breakdown potential subtracted from the absolute value of the potential across said storage capacitor is less than the sustaining potential of said diode, an impedance element, a second potential source for subsequently applying to said series diode-capacitor subcombination through said impedance element a potential less in value and opposite in polarity with respect to said breakdown potential thereby ionizing said diode and creating a current flow through said impedance element, and output means connected to said impedance element and responsive to the current flow through said impedance element.

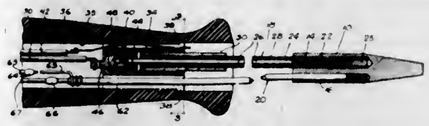
2,582,481

TEMPERATURE-CONTROLLED SOLDERING IRON

Howard A. Dvorak, Brookfield, Ill., James W. Juvinall, Indianapolis, Ind., and Merton R. Miller, Lombard, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application December 16, 1950, Serial No. 201,148
9 Claims. (Cl. 219—26)

1. A soldering iron comprising a metal tip having a pair of recesses extending longitudinally from the rear end thereof, a rod-like heating unit and a rod-like thermo-couple arranged side-by-side in spaced relation to each other and having their forward ends mounted in the recesses of said tip, said thermo-couple comprising a wire element of one metal and a tubular element of another metal disposed about said wire element in coaxial relation thereto and bonded at one end to one end of the wire to form a hot junction



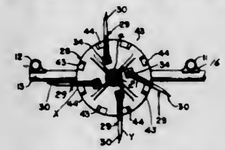
within said tip, and insulating means loosely supporting said elements in spaced relation to each other, means including a handle disposed in spaced relation to said tip for supporting said heating unit and said thermo-couple, and means for connecting said heating unit and said thermo-couple to a power circuit and a control circuit, respectively, of a remote control unit.

2,582,482

SUBSOIL BREAKER

Curtis V. Edwards, Yakima, Wash., assignor, by mesne assignments, to Deere & Company, Moline, Ill., a corporation of Illinois

Application February 26, 1945, Serial No. 579,772
19 Claims. (Cl. 97—52)



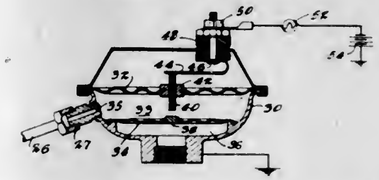
1. For use in a subsoil breaker of the character described, including a frame element adapted to be connected to a motivating device whereby the subsoil breaker may be caused to move over the surface of the ground: the improvement comprising a rotatable member connected to said frame element so as to rotate on a transverse axis, said member having a radially projecting wall with a bearing opening therein; a bearing member removably disposed in said bearing opening and removable therefrom in a direction laterally of said radially projecting wall; and a spike swingably connected to said bearing member, said spike having a pair of legs extending on opposite sides of said wall and spaced so as to snugly embrace said wall and said bearing member when in said bearing opening for retaining said bearing member against lateral movement relative to said wall.

2,582,483

PRESSURE SENSITIVE SWITCH

Theodore W. Hallerberg, Chicago, Ill.

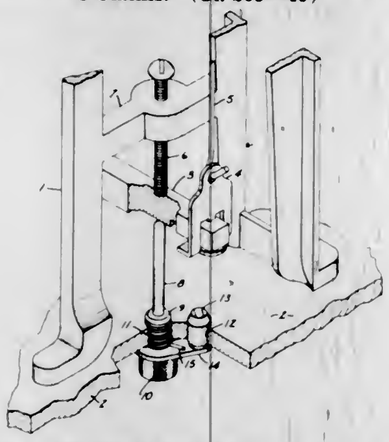
Application March 13, 1947, Serial No. 734,295
1 Claim. (Cl. 200—83)



A pressure sensitive electrical switch whose operation represents the combined effect of two dis-

tinct pressure conditions, which comprises a fluid tight casing, a pressure responsive diaphragm dividing the casing into two fluid compartments, a second pressure responsive diaphragm subdividing one compartment into fluid tight compartments, means for connecting the compartment between the diaphragms to one pressure condition, means for connecting the other compartment within the casing to a second pressure condition, a grounded contact carried by and moved by one diaphragm, and a second contact connected to a power source and carried by the other diaphragm in such relation to said first contact as to make and break a circuit therewith upon the occurrence of predetermined pressure differentials between the two pressure conditions.

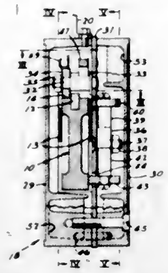
2,582,484
LEVER LOCK
Norman E. Hart, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application August 22, 1950, Serial No. 180,822
4 Claims. (Cl. 265—49)



1. In a weighing scale having a base, a lever fulcrumed on the base, and a stationary frame erected from the base and extending over the movable end of the lever, a lock for the lever comprising a portion of the frame that is in position to engage the upper surface of the lever at its upper limit of travel, a post for supporting the lever in locked position, the post having a threaded shank, said base having a pair of threaded holes one of which is beneath the lever and generally under the frame and the other of which is adjacent the first but not under the lever, each of the holes being adapted to receive the threaded shank of the post, and a plug carried from the threaded shank of the post for closing the hole not occupied by the post.

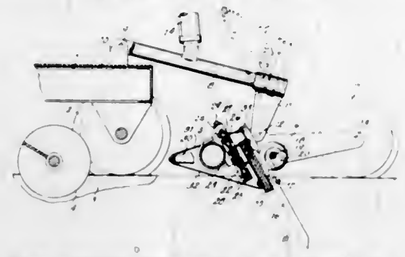
2,582,485
WEIGHING SCALE POISE
Halvor W. Hem, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application March 23, 1946, Serial No. 656,726
3 Claims. (Cl. 265—565)

2. A poise for use on a weigh beam, the poise comprising a plate serving as a chassis for the poise, a pair of axles rigidly mounted in the plate end extending generally perpendicular to the sides of the plate, bracket mounted on the side of the plate opposite the axles, a plurality of axles extending from the bracket and parallel to the side of the plate, said plate having apertures adjacent each of the bracket axles, each of the axles having a free end, rollers mounted on each of the



free ends some of which rollers protrude through the apertures, said axles being arranged so that the rollers may support the poise from the weigh beam, and weighted shells for covering the sides of the plate and the rollers.

2,582,486
CONCRETE PLACEMENT MACHINE
Corwill Jackson, Ludington, Mich.
Application January 2, 1947, Serial No. 719,795
10 Claims. (Cl. 94—48)

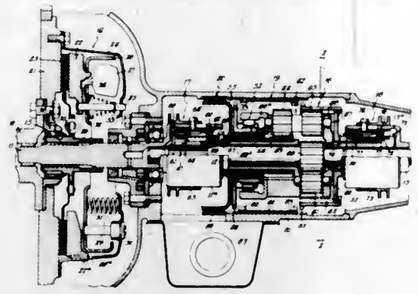


1. The combination with a carriage, of a supporting beam having rearwardly projecting wheel supports provided with wheels, supporting arms for said beam pivotally mounted on said carriage and pivotally connected to said wheel supports at the rear of the beam, means for vertically adjusting said supporting arms, a plank-like vibratory member crosshead, a plurality of vibratory bars rigidly secured to said crosshead in longitudinally spaced relation, an unbalanced rotor mounted centrally on said crosshead with its axis longitudinally thereof to vibrate said crosshead and said bars secured to the crosshead, crosshead supporting brackets mounted in longitudinally spaced relation on said beam, flexible non-extensible straps mounted at their ends on said brackets, said brackets being provided with means for tensioning said straps, said crosshead being secured to said straps intermediate their ends, draft arms projecting forwardly from said beams, and rearwardly diverging stay straps secured to said arms and to said crosshead adjacent the top and bottom edges thereof.

2,582,487
TRANSMISSION
Donald W. Kelbel, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 7, 1945, Serial No. 587,175
10 Claims. (Cl. 74—759)

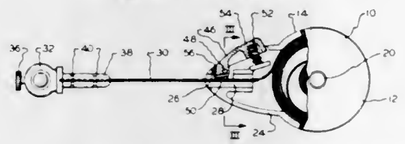
1. In power transmission mechanism, the combination of a drive shaft, a driven shaft, means

for providing a plurality of forward drive power trains at different speed ratios between said shafts and including a gear set and a pair of clutches, said clutches each having first and second engaged positions and when both are engaged completing said power trains, one of said power trains being completed when both clutches are in their said first engaged positions, another of said power trains being completed when both clutches are in their said second engaged positions and a third of said power trains being com-



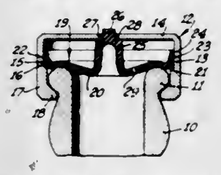
pleted when one clutch is in its said first and the other clutch is in its said second engaged position, braking means for selectively providing a reaction in said gear set for those of said power trains the speed ratios of which are other than one to one, and one-way braking means for an element of said gear set for providing a low speed power train between said shafts and overrunning when said first named braking means are engaged for providing the other power trains between said shafts.

2,582,488
BEAM COMPASS
Henry A. Kroenlein, Los Angeles, Calif.
Application September 24, 1947, Serial No. 775,849
1 Claim. (Cl. 33—27)



A beam compass comprising a hollow housing part having a peripheral tape guiding structure having a tape guiding channel, an axial centering pin extending through said housing, a flexible tape within said housing part and coiled about the centering pin with the outer end of the tape projecting through said guide structure, a scribing head attached to the outer end of said tape and having an elongated tape stiffener rigidly mounted thereon, said stiffener having stiffening engagement along a portion of the tape inwardly from its outer end, structure defining an elongated socket in said housing part in a position to accommodate said stiffener with the tape positioned for guiding its movement with respect to said guide aperture, said socket having a side opening, a brake jaw pivotally mounted on said housing part adjacent said opening in position to be projected into and out of said side opening to engage either said stiffener or said tape, said tape guiding channel merging into said socket from one side of the latter and extending in the direction of the longitudinal axis of the socket.

2,582,489
PRESSURE SEALING BOTTLE CAP
Rudolph E. Krueger, Burbank, Calif.
Application May 9, 1949, Serial No. 92,109
8 Claims. (Cl. 215—38)

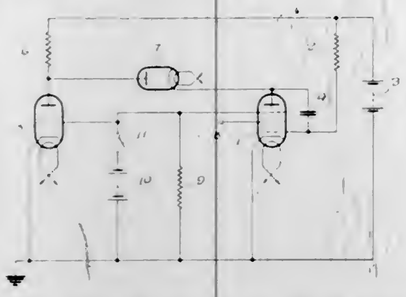


3. A removable and replaceable, self sealing cap for closing the mouth of a pressure fluid container having an annular wall terminating in an end seat defining said mouth and an external locking projection adjacent said end seat, said cap comprising: a cap body comprising a head, a skirt joined to the periphery of said head; and locking means projecting inwardly from the margin of said skirt in spaced relation to said head and releasably engageable beneath said locking projection in interlocking relation therewith to secure said cap to said container in closing relation to said mouth; a flexible diaphragm in said cap, diametrically traversing the space encircled by said skirt and peripherally supported upon and sealed to said skirt in a position axially spaced from said head to define a pressure chamber and to seat against said end seat when said cap is in said closing relation to the container; said diaphragm including a central portion defined within the annular area of seating engagement of the diaphragm against said seat and an annular marginal portion suspending said central diaphragm portion and extending outwardly beyond said annular area of seating engagement; said central diaphragm portion having a bleed aperture through which fluid pressure from the container may enter said chamber; said chamber being of greater transverse area than the area of said central diaphragm portion, whereby the fluid pressure in said chamber will act upon said central diaphragm portion to balance the container pressure applied to the underside of said central portion within said mouth, and will act upon said annular marginal portion to press said diaphragm against said seat; said cap having a vent communicating directly with atmosphere for venting said chamber so that said cap may be removed from the container; and a manually operable valve for normally closing said vent.

2,582,490
THERMIONIC VALVE INTEGRATING CIRCUIT
Leonard Ernest Land, Winchmore Hill, London, England, assignor to The General Electric Company Limited, London, England
Application August 30, 1950, Serial No. 182,201
In Great Britain September 2, 1949
3 Claims. (Cl. 250—27)

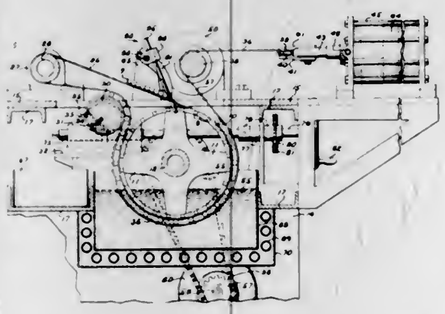
1. A thermionic valve integrating circuit comprising a first thermionic valve having at least an anode, a cathode and a control grid, means for connecting a source of current to be integrated between the control grid and cathode of said first valve, a condenser connected between the anode and control grid of said first valve, a second thermionic valve having at least an anode, a cathode and a control grid and having its cathode connected to the cathode of said first valve, a diode valve having its cathode connected to the anode of said first valve and its anode connected

to the anode of said second valve, a constant voltage source having its negative terminal connected to the cathodes of said first and second valves, a low resistance connected between the positive terminal of the constant voltage source and the anode of said second valve, means for biassing an electrode of each of said first and second valves so that no anode current can flow in said first and second valves while the circuit is in its initial condition, means for removing the bias from said electrodes so that anode current



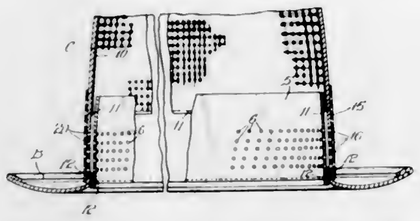
can flow in said first and second valves when it is desired to integrate a current, and means for restoring the circuit to its initial condition after the integration of a current comprising means for biassing an electrode of said second valve so that no anode current can flow in said second valve whereby the condenser is recharged through the diode and the low resistance, the circuit parameters being such that at no time during the integration of a current does the anode potential of said second valve exceed the anode potential of said first valve.

2,582,491
APPARATUS FOR STRAIGHTENING ROUND RODS OR TUBES OF PLASTIC MATERIAL
Einer W. Larsen, Elmhurst, and John G. Meyer, Cicero, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 21, 1948, Serial No. 22,284
17 Claims. (Cl. 18—9)



8. An apparatus for straightening plastic rods and tubes comprising a rotatable drum, an endless belt encircling a major portion of said drum and extending laterally therefrom, means for supporting said endless belt in substantially taut condition, a stationary belt encircling a portion of said drum and endless belt and having a portion disposed in diverging relation to said endless belt, tensioning means connected to the other end of said stationary belt to urge the portion of said belt encircling the drum inwardly toward said drum, means for rotating the drum and advancing the endless belt thereon whereby rods placed on the laterally disposed portion of said movable belt will be fed into engagement with the stationary belt and caused to roll about the drum and between the stationary and movable belts and be straightened thereby, and means for adjusting said stationary member relative to said drum and in parallel relation therewith.

2,582,492
HAT
Harry Lev, Chicago, Ill.
Application March 23, 1950, Serial No. 151,448
1 Claim. (Cl. 2—182)

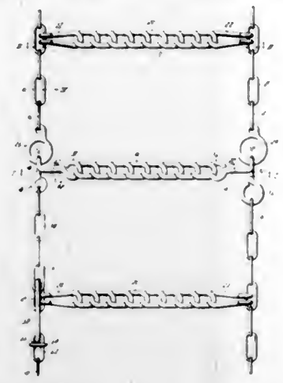


A hat having a brim and provided with a crown rising from the brim, a sweat band extending around within the crown in spaced relation thereto, an annular strip of material extending around the base of the crown inside thereof and interposed between the crown and the lower edge portion of the sweat band, said annular strip maintaining the sweat band in spaced relation to the crown at the bottom edge of the sweat band, said annular strip being secured at one edge to the crown and at its other edge to the sweat band at said lower edge portion thereof, a lining within the crown and having its lower edge secured to the crown, said lower edge being extended down into the space between the crown and the sweat band to overlap the latter slightly to the inside thereof and maintaining the upper portion of the sweat band spaced from the crown, the crown and sweat band below the lining being each provided with a large number of ventilating openings extending therethrough and in open communication with each other and spaced downwardly from and out of register with the lining, and a ribbon surrounding the crown exteriorly thereof and provided therethrough with a large number of ventilating openings in substantial registration with the ventilating openings of the crown and the sweat band.

2,582,493
AUTOMOBILE TIRE CHAIN
Eldon E. Lloyd, Maryville, Mo.
Application December 12, 1949, Serial No. 132,487
6 Claims. (Cl. 152—241)

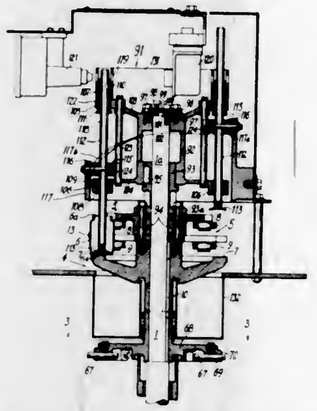
1. A tire chain comprising spaced-apart inner and outer rim chains, spaced-apart cross chains extending transversely between and secured at their opposite ends to said rim chains, an eye secured to one end of each of said rim chains, a chain extension secured to the opposite end of said inner rim chain and adapted to be threaded successively through the eye of said inner rim chain and the eye of said outer rim chain, said chain extension having a right-angled link contained therein for engaging each of said eyes, each of said links having an arm substantially

in line with the adjacent rim chain and an arm extending at right angles thereto, and means for



securing said extension to the opposite end of said outer rim chain.

2,582,494
GLASSWARE INSPECTING MACHINE
Edward H. Lorenz, West Hartford, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware
Application August 1, 1946, Serial No. 687,799
5 Claims. (Cl. 209—88)



2. The combination with a horizontally disposed rotary carrier provided with a series of article-accommodating pockets, each open at the periphery of the carrier, and means to rotate said carrier to present each of said pockets in turn at an article loading station, an article inspection station, a reject station and an article delivery station, of article testing means acting automatically to test each article in a pocket at said inspection station for checks in its finish or rim portion, said article testing means comprising a source of light and a photoelectric cell unit positioned cooperatively with respect to each other and to the finish or rim portion of the article at the inspection station to cause light from said source to strike the wall of the finish or rim portion of the article and to be reflected into the photoelectric cell unit to energize the latter only if such light strikes a check, an article ejecting member movable from an inactive position adjacent to the article delivery station to eject, on each working stroke thereof, an article from a carrier pocket at the delivery station, means to operate said article ejecting member to cause a working stroke thereof each time a pocket of said carrier is at the delivery station, another article ejecting member movable from an inactive position to eject, on a working stroke thereof, a defective article from a carrier pocket at the reject station, latching means operable to operatively connect the second article ejecting member with the operating means for the first article ejecting member and to disconnect it from said operating means, and means controlled by said photoelectric cell unit to operate said latching means to effect such operative connection whenever said photoelectric cell unit has been energized.

2,582,495
GARMENT HANGER
Walter Ludwig, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich., a corporation of Michigan
Application November 7, 1946, Serial No. 708,285
4 Claims. (Cl. 223—92)

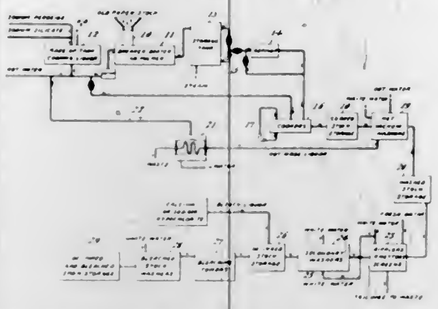


1. In a garment hanger, the combination of a supporting yoke and a suspending hook, said yoke being of tubular cross section and of fibrous material and having downwardly diverging garment supporting arms, the central portion of the yoke at the apex thereof having its side walls collapsed horizontally into vertically parallel abutting relation, said suspending hook being formed of wire folded upon itself with the bight of the fold constituting the bill of the hook, the strands of the folded wire being twisted together at the shank and laterally offset below the twist and terminating in downwardly extending arms folded upwardly at their lower ends to form upwardly opening clamp members terminating in inwardly projecting prongs, said clamp members embracingly engaging the exterior of the horizontally collapsed central portion of the yoke and clampingly retaining the side walls of the collapsed portion in vertically parallel abutting relation at the bottom edge of the collapsed central portion and upwardly therefrom, and said inwardly projecting prongs being disposed transversely of and piercingly engaging said collapsed central portion to retain the same in said clamp members.

2,582,496
DEINKING AND BLEACHING OF PAPER
Peter J. Massey, River Forest, Ill., and Frederic C. Goodwill, Watertown, N. Y., assignors to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application October 9, 1947, Serial No. 778,962
4 Claims. (Cl. 92—1.5)

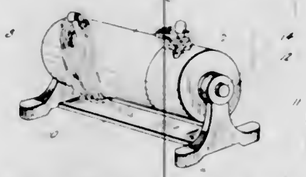
1. A process for removing printer's ink from printed paper stock to form a pulp for reuse in paper making, which comprises: subjecting such stock to a pulping treatment in hot, aqueous, de-inking medium such as to produce a pulp consistency of about 3 to 5%, said medium containing as de-inking reagents about 0.8 to 5% of so-

dium peroxide and about 4 to 8% of sodium silicate having a molecular ratio of sodium oxide to silica within limits of about 1:1.4 to 1:3, said reagent percentages being by weight of the dry



paper weight, cooking the resulting mixture at a temperature of about 125° to 200° F. for about 3 to 5 hours, and thereupon washing said resulting pulp to free the same of said link and deinking medium.

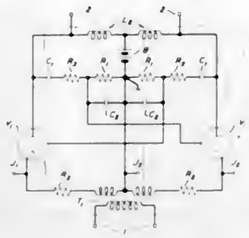
2,582,497
SKEIN HOLDER
Henry J. Maxfield, Westerville, Ohio
Application August 10, 1950, Serial No. 178,621
4 Claims. (Cl. 242—127)



1. A skein holder comprising a cylindrical mandrel upon which the skein is adapted to be disposed helically, a stand upon which said mandrel is mounted for rotation, pins projecting radially from said mandrel adjacent opposite ends thereof, means for adjusting said pins to angularly spaced positions and maintaining them in such positions, means for supporting said pins for movement towards and away from each other, and resilient means tending to move said pins away from each other.

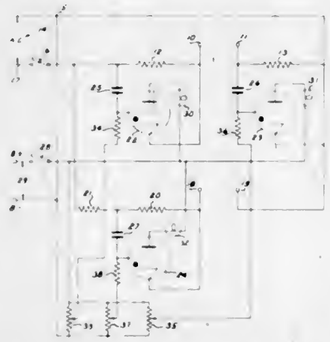
2,582,498
NEGATIVE IMPEDANCE REPEATER AND LOADING SYSTEM
Josiah L. Merrill, Jr., Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 30, 1949, Serial No. 113,072
17 Claims. (Cl. 178—45)

1. In combination, an electric space discharge device system comprising a pair of triodes for push-pull operation each having an anode, a cathode and a discharge control grid, a first circuit connecting said cathodes including a first inductance coil, a second circuit connecting said anodes including a second inductance coil; a path interconnecting a point of said first circuit between the two halves of said first coil and a point of said second circuit between the two halves of said second coil, a third circuit connecting said grids including an impedance having its midpoint connected to said path, a pair of feedback paths, one of said feedback paths connecting the grid of one of said triodes to a point of said second circuit between said second coil and the anode of the other triode, and the other of said feedback paths connecting the grid of the latter



triode to a point of said second circuit between said second coil and the other anode, a line having one of said coils inductively coupled in series therein, and an impedance coupled to the other coil for controlling the impedance of said system as seen from said line.

2,582,499
ELECTRICAL TEST CIRCUIT
Henry L. Messerschmidt, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 2, 1949, Serial No. 130,667
9 Claims. (Cl. 175—183)



1. Electrical testing apparatus for testing a pair of conductors comprising a source of alternating current, a pair of terminals for connection to opposite ends of one of the conductors of said pair, a first resistor, a first gas-filled electronic tube having its cathode connected to one of said terminals and also being connected through said first resistor to the control grid of said first tube, said control grid being connected to one side of said source of alternating current, a second resistor, a second gas-filled electronic tube having its control grid connected to the other of said terminals and being connected through said second resistor to the other side of the source of alternating current and to the cathode of said second tube, a second pair of terminals for connection to the opposite ends of the other of said pair of conductors, a pair of resistors connecting one of said second pair of terminals to said one side of the source of alternating current, a third gas-filled tube having its cathode connected to said one of said second pair of terminals and having its control grid connected to the junction of said pair of resistors, a conductor connecting the other of said second pair of terminals to the other side of the source

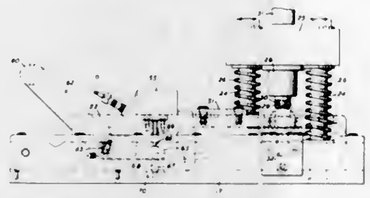
of alternating current, and indicating devices disposed in the plate circuits of each of said three tubes.

3. Electrical test equipment for testing a pair of conductors comprising a first resistor, a second resistor, a third resistor, means including one of said conductors under test serially connecting said first and second resistors, means including the other of said conductors under test connecting said third resistor in parallel with said first and second resistors, a source of test voltage connected across said parallel circuit, first electronically controlled indicating means operative in response to the voltage drop across said second resistor when in series with said first resistor, second electronically controlled indicating means operative in response to a voltage drop across said third resistor substantially equal to said test voltage, said first and second electronically controlled indicating means being inoperative when said second and third resistors are in series, and third electronically controlled indicating means operative in response to a voltage drop across said first resistor substantially equal to said test voltage.

2,582,500
SURFACE COATING COMPOSITIONS CONTAINING ETHERS OF CATECHOL TYPE OF TANNING AGENT
Kenneth Potter Monroe, Boston, Mass., assignor to Standard Dyewood Company, Medford, Mass., a corporation of Massachusetts
No Drawing. Application July 14, 1950, Serial No. 173,943
14 Claims. (Cl. 260—6)

10. A coating composition comprising a solution of an acid resin from the group consisting of the carboxy-alkyl aralkyl ethers of a catechol type of tanning agent and of the aralkyl ethers of a formaldehyde condensation product of a carboxy-alkyl ether of said tanning agent, one to two of the phenolic hydroxyl groups of said tanning agent being etherified by an aralkyl radical and the remaining phenolic hydroxyl groups being etherified by carboxy-alkyl radicals which contain two to three carbon atoms, and a Paraguayan wax of the carnauba type.

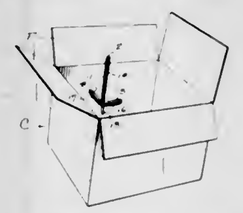
2,582,501
WORK HOLDER FOR RIVETING MACHINES
Norman C. Moore, West Newbury, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 8, 1945, Serial No. 633,892
2 Claims. (Cl. 78—46)



1. A work holder comprising a carriage to support a pile of laminations, a support for the carriage, stops to respectively locate the carriage in loading and aligning positions, a fixed position locating element on the carriage to be engaged by one side of the pile of laminations, a handle to move the carriage between a loading position and an aligning position supported for pivotal movement between given limits by the carriage, a latch movable into closed position to secure the carriage against movement on the support and into open position to free the carriage for movement, means connecting the handle to the latch operable by movement of the handle toward the aligning position causing pivotal movement of the handle to move the latch into closed position, a movable locating element on the carriage, and means to move the movable element relative to the fixed position element to clamp the laminations in alignment with each other therebetween.

2. A work holder comprising a carriage to support a pile of laminations, a support for the carriage, stops to respectively locate the carriage in loading and aligning positions, a fixed position locating element on the carriage to be engaged by one side of the pile of laminations, a handle to move the carriage between a loading position and an aligning position supported for pivotal movement between given limits by the carriage, a latch movable into closed position to secure the carriage against movement on the support and into open position to free the carriage for movement, and means connecting the handle to the latch operable by movement of the handle away from the aligning position causing pivotal movement of the handle to move the latch into open position.

2,582,502
FLAP HOLDER
Raymond J. Nagler, Seattle, Wash.
Application October 1, 1946, Serial No. 700,444
6 Claims. (Cl. 24—261)

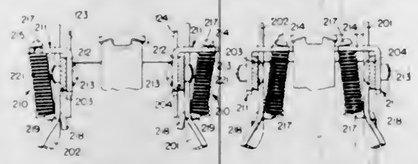


1. A device arranged and adapted to be detachably applied to an open cardboard carton for pressing turned-back flaps of the latter tightly against the side walls of the carton, and comprising a pair of wing elements disposed at substantial right angles to one another and adapted to bear against the exposed faces of two adjacent flaps, and an inverted U clip with one of its legs supporting said pair of wing elements and the axis of the other leg projecting between said wing elements, said clip being thus adapted to hook over a corner of the carton to support and position the wing elements.

2,582,503
COVERING MEANS FOR PLANTING ATTACHMENTS
William P. Oehler, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Original application February 9, 1948, Serial No. 7,042. Divided and this application July 23, 1949, Serial No. 106,351
4 Claims. (Cl. 97—56)

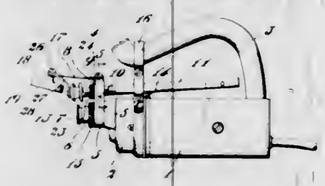
2. In a planter or the like having a frame including a pair of laterally spaced bars, a covering member pivotally connected to each bar and reversible between a position at the inner side of the associated bar and a position at the outer

side thereof, a spring-receiving bracket for each covering member and including an attaching section attachable to the associated bar optionally at the outer side or inner side thereof, and a spring-receiving section extending substantially at a right angle to said attaching section and adapted to extend across the bar to the side thereof opposite the side at which said attaching section is connected to the bar, being thereby disposed at the same side of the associated frame



bar as the associated covering member, each bracket being attachable to the associated bar optionally at the outer side or inner side thereof according to whether the associated covering member is disposed at the inner or outer side, respectively, of the associated frame bar, and a spring acting between the spring-receiving section of the associated bracket and the covering member in either of their optional positions on the associated frame bar.

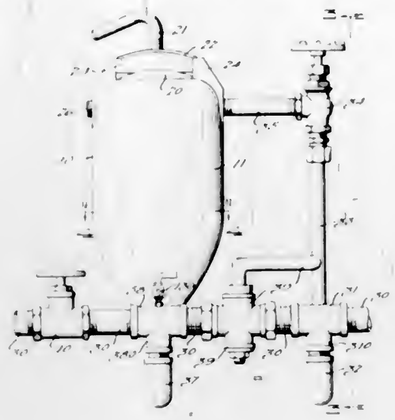
2,582,504
POWER CAN OPENER
Adelbert B. Reed, Newton Center, Mass.
Application January 9, 1951, Serial No. 205,150
6 Claims. (Cl. 30—4)



1. A powered can opener comprising a motor having a casing and a rotating shaft extending therefrom, a toothed wheel on said shaft disposed forwardly of the casing for engagement under the lip of the can, a handle on the casing for manually supporting the casing, a lever pivotally mounted on the casing and extending between the handle and the casing, and a cutting disk rotatively mounted on the forward end of the lever, said disk being movable with the lever in and out of operative juxtaposition with said wheel, whereby said opener may be applied to a can by squeezing the lever toward the handle with one hand to swing the disk against the top of the can.

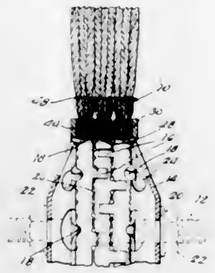
2,582,505
FEEDER
Earl C. Reynolds, Detroit, Mich.
Application April 29, 1949, Serial No. 90,409
1 Claim. (Cl. 210—36)

A feeder system for feeding a solution of soluble crystalline chemicals into a water line responsive to water passing through the water line and the feeder comprising a feeder in the form of a pressure vessel having a well in the bottom thereof and a reticulated chemical support over the said well, a generally vertical inlet connection from the water line to a side of the said feeder near the top thereof and a generally vertical outlet connection from the bottom of the well of the said feeder to the said water line, the top of the said pressure vessel having a chemical filler aperture therein and removable means for sealing the said filler aperture, the feeder being disposed above the water supply line and the said generally vertical inlet and outlet connections between the said feeder and the said water line being in the form



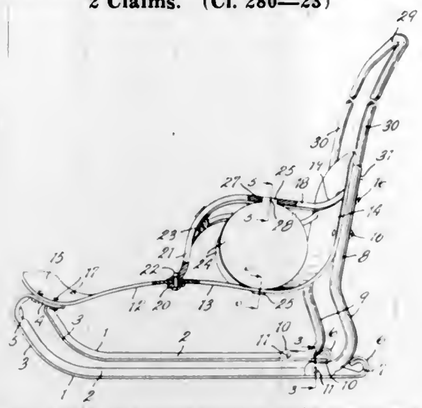
of relatively sharp U-shaped loops connected at one end to the bottom of the said water line, and a regulator valve governing the relative flow of water through the water line and feeder disposed in the water line between the said U-shaped loops.

2,582,506
BUFFING WHEEL
Leonard B. Sax and Thomas H. Kingsbury, Chicago, Ill.; said Kingsbury assignor to said Sax
Application June 28, 1949, Serial No. 101,812
16 Claims. (Cl. 51—193)



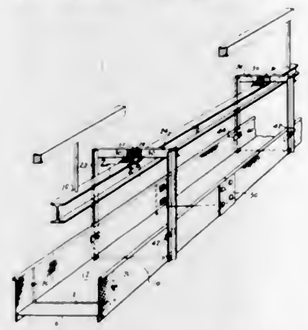
1. A centerless buffing section comprising an annular strip having inner and outer cylindrical surfaces, a plurality of layers of buffing fabric gathered on a supporting strand and wound spirally in the form of a ring extending outwardly from the outer peripheral surface of said strip, a plurality of tongue members extending outwardly from the opposite edges of said strip defining said surfaces and cooperating with said strip to form a circular channel within which said strand and said buffing fabric are received, and a plurality of spaced tongue members integral with said strip extending in a direction axially thereof, said tongue members being offset inwardly adjacent their respective bases and providing outer faces adapted to underlie and engage the inner surface of a similar adjacent buffing section.

2,582,507
CHILD'S SLED OF THE HAND PROPELLED TYPE
Henry J. Sedlacek, Kalamazoo, Mich., assignor to The Kalamazoo Sled Company, Kalamazoo, Mich.
Application December 3, 1948, Serial No. 63,425
2 Claims. (Cl. 280—23)



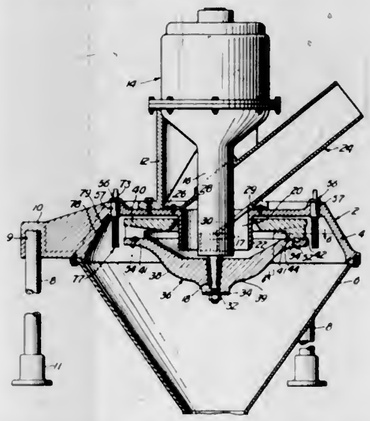
2. In a sled, the combination with runners having upwardly projecting longitudinal flanges, the front ends of said runners being curved upward and terminating in rearwardly extending downwardly curved arm-like brackets, uprights terminating at their lower ends in forwardly projecting downwardly facing extensions embracing the flanges of the runners adjacent their rear ends and secured thereto, a panel-like body member including an upwardly bowed seat portion curvedly merging into an upwardly projecting back portion at its rear end and curvedly merging into an upturned foot portion at its front end, the back portion being disposed upon and secured to said uprights, the foot portion being disposed upon and secured to said bracket arms at the front ends of the runners, side members having upwardly curved rear ends connected to said back portion of said body member and to said uprights and downwardly curved front portions connected to the seat portion of said body member, and a U-shaped handle, the side members of which are telescopically engaged with said uprights and secured thereto.

2,582,508
CONVEYER GUARD
William J. E. S. Seigh and Delton J. Du Chene, Monroe, Mich.
Application October 16, 1948, Serial No. 54,864
6 Claims. (Cl. 104—133)



1. A guard for a monorail trolley system or the like over which articles are carried in a suspended condition comprising, a plurality of end-to-end guard sections, hanger bars, means including separable fasteners to attach said hanger bars to the monorail, separable fastening means to attach said guard sections to said hanger bars, joining plates between said sections, and other separable fastening means to attach said joining plates in position, whereby said guard may be removed from association with said monorail and said sections from each other by removal of said several separable fasteners.

2,582,509
CENTRIFUGAL IMPACT MILLER FOR CEREALS
Franklin S. Smith, Hamden, Conn.
Application August 13, 1948, Serial No. 43,983
6 Claims. (Cl. 241—275)

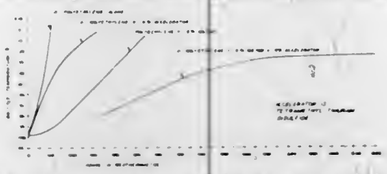


1. In apparatus of the character described, a casing construction comprising a top shell portion having a central product-inlet opening at the top and a hopper portion at the bottom through which the product is discharged, a rotor mounted within said casing construction and adapted to receive a product flowing into said inlet opening, said rotor having a plurality of radial vanes which are adapted to direct the product so that it discharges substantially tangentially from the periphery of the rotor, and a plurality of stationary multitarget members mounted in the path of the product flowing from the edge of said rotor, each multitarget member comprising a plurality of spaced targets having flat leading edges, said flat leading edges being normal to the flow of the product leaving the periphery of said rotor, said target members being positioned in an annular row around the periphery of said rotor and being so positioned with respect to each other that any particle of grain passing around a target member or through the slots between the targets thereof engages the leading edge of one of the targets of the next multitarget member.

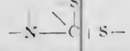
2,582,510
POLYETHYLENE STABILIZED WITH SULFUR PLUS A VULCANIZATION ACCELERATOR
Bartholomew A. Stiratelli, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 5, 1947, Serial No. 789,880
7 Claims. (Cl. 260—45.7)

7. A composition of improved stability toward aging comprising polyethylene, between .01 per

cent and 6 per cent by weight of sulfur and between .01 per cent and 2 per cent by weight of



a rubber vulcanization accelerator containing the grouping



said composition being free of other constituents vulcanizable with sulfur.

2,582,511

SURGICAL TOOL FOR CUTTING GRAFT SKIN

Homer H. Stryker, Kalamazoo, Mich., assignor to Orthopedic Frame Company, Kalamazoo, Mich.

Application June 30, 1950, Serial No. 171,460

11 Claims. (Cl. 128—305)



10. A surgical tool for cutting graft skin comprising, a body having an oscillatable shaft projecting therefrom, means in said body connected to said shaft to oscillate the same, a generally flat cutting blade secured to the end of said shaft and normal thereto, said blade having a portion of its periphery convexly curved and sharpened to form a leading cutting edge, a guard fixedly carried by said body and disposed in closely spaced relationship above said blade, said guard projecting outwardly beyond said cutting edge, said guard further having an opening formed therethrough and extending radially to adjacent said cutting edge, and a skin depressing rib located on the underside of said guard and projecting below the level of said blade, said rib extending from leading ends on each side of said blade rearwardly from said cutting edge and around the rear of said blade.

2,582,512

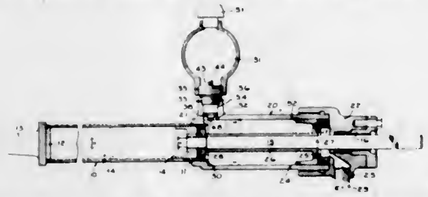
MULTISPEED AND MULTISTROKE FLUID-PRESSURE APPARATUS

Harold M. Stueland, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application June 7, 1948, Serial No. 31,458

6 Claims. (Cl. 60—97)

1. A dual-cylinder fluid motor comprising a pair of coaxial, end-to-end cylinders having their proximate ends open and in fluid-interchange relationship, one of the cylinders having a larger bore than the other, and joint means securing the cylinders together at their open ends, the difference in bores providing at the junction of said open ends an interior annular shoulder; a first piston in the smaller cylinder normally positioned at said shoulder and movable toward and back from the other end of said smaller cylinder; a second piston in the larger cylinder normally positioned in axially spaced relation to said shoulder and movable toward and back from said shoulder; means in the larger cylinder providing a fluid inlet at the side of the second piston remote from said shoulder; means in the second piston providing a fluid port therethrough communicating opposite sides of said second piston; means fixed to the first piston and



extending into the larger cylinder and cooperative with the second piston to close said port when both pistons are in said normal positions, said port-closing means presenting a fluid-receivable area to the fluid inlet means to combine with the fluid-receivable area of the second piston, said port-closing means having such external dimensions as to be receivable by the smaller cylinder, whereby fluid admitted to the larger cylinder through said inlet means and against the aforesaid combined areas moves both pistons simultaneously until the second piston is stopped at the annular shoulder, after which admission of fluid through said inlet means effects continued movement of the first piston and port-closing means; and a piston rod connected to the first piston and extending axially outwardly through one end of the motor.

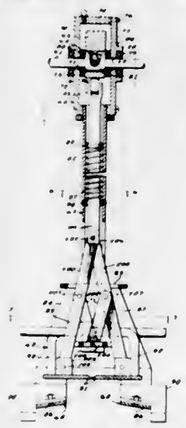
2,582,513

PLANT THINNING MACHINE

Luther B. Swafford, England, Ark.

Application June 29, 1948, Serial No. 35,945

4 Claims. (Cl. 97—22)



1. A cotton chopper wheel comprising a hub structure, angularly-spaced spokes projecting radially from said hub structure, U-shaped brackets secured to the outer ends of corresponding spokes, a pair of spaced-apart, conically-shaped tires secured to said brackets, a pair of oppositely-disposed chopping blades in each bracket, means mounting each pair of blades on the corresponding bracket for movement of such blades toward and away from each other, cam-operated means extending along the corresponding spokes to each pair of blades to successively move the blades apart as said wheel rotates, and spring means operatively connected to the respective cam-operated means to successively move said blades together after they have been moved apart by said cam-operated means.

2,582,514

DOUBLE-FACED SCARE-BIRD OWL

Joseph R. Swisher and James A. Soules, Decatur, Ill.

Application September 12, 1947, Serial No. 773,558

1 Claim. (Cl. 46—115)



In a device for scaring away starlings, blackbirds and other bird nuisances, the figure of a predatory bird having two identical half portions oppositely facing and joining together along the contour of their inner edges, each half portion representing a front view of a predatory bird, said portion comprising besides the other features of the bird reflectory eyes set in sockets at an acute angle to the joint between the two sections forming the predatory bird, whereby at least two eyes are visible when viewed from all positions around the figure.

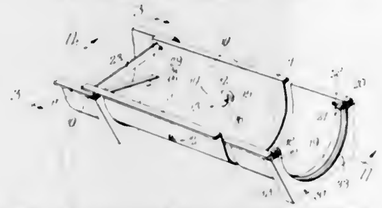
2,582,515

FLUID CONDUCTING MEANS

Harold Warp, Chicago, Ill., assignor to Flex-O-Glass, Inc., a corporation of Illinois

Application June 28, 1946, Serial No. 680,336

11 Claims. (Cl. 61—12)



1. A fluid conducting means comprising a plurality of readily separable conduit sections, each of said sections being slightly less than semi-cylindrical to permit nesting and having one end of smaller radius than the other to permit joining into a continuous conduit, means forming a seal between adjoining sections when assembled with the smaller end of one section in the larger end of another section including a gasket of resilient, deformable material and of considerable radial thickness interposed between said sections, and readily joinable and removable means for locking together the overlapping ends of said sections including a locking bar having a lost motion engagement with at least one of the sections at the joint to permit disposition of the sections at an angle to one another.

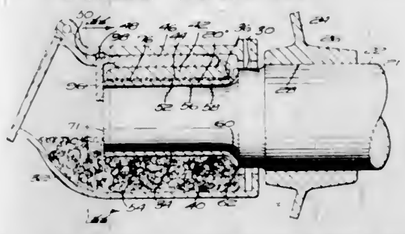
2,582,516

RAILWAY CAR AXLE

Frank S. Williams, Providence, R. I.

Application March 15, 1947, Serial No. 735,010

4 Claims. (Cl. 308—237)



1. An axle having a worn turned-down cylindrical journalling end portion, a sleeve having an outer surface of substantially the original diameter and circumference of the said end portion and having a wear resistant layer of hard metal thereon, and an inner surface of substantially the diameter of the turned-down end portion shrunk over said end portion, said sleeve having a smaller coefficient of expansion than said axle to maintain said sleeve on said axle end portion.

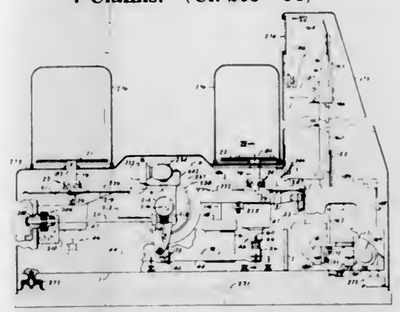
2,582,517

LABORATORY BALANCE

Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

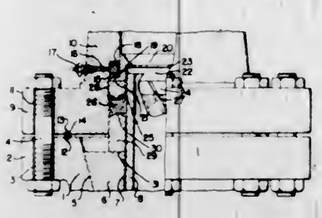
Application July 18, 1946, Serial No. 684,483

7 Claims. (Cl. 265—54)



1. In a laboratory balance having resilient means engaged near its limits of travel and serving to limit movement of the balance mechanism, in combination, a pivotally mounted indicator, an arcuate chart having a series of indicia for cooperation with said indicator for indicating certain increments of weight, a projection system, an index on said indicator, said index being movable in the projection path of said projection system whereby an image of said index in projected onto said chart to indicate lesser increments of weight than those indicated by said indicator, a pair of pointers mounted on said indicator and movable alternately into said projection system when said resilient means are engaged and a series of indicia on said chart corresponding to each of said pair of pointers for indicating increments of weight counterbalanced by said resilient means.

2,582,518
WELLHEAD SEALING ARRANGEMENT
Madden T. Works, Houston, Tex., assignor to Cameron Iron Works, Houston, Tex., a corporation of Texas
Application January 3, 1947, Serial No. 720,005
8 Claims. (Cl. 285—22)



1. A seal assembly comprising in combination with an annular deformable packing body, a ring movable against said body in an endwise direction to cause said body to expand laterally, a hydraulic actuator for moving said ring in such direction, and a mechanical retainer for holding said ring against retrograde movement to maintain pressure on said packing body once the same has been applied.

2,582,519
SCREW THREAD UPSETTING TOOL
Walter W. Wynne, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 8, 1948, Serial No. 19,717
2 Claims. (Cl. 78—53)



1. An upsetting tool comprising a cylindrical body having an upsetting cavity in its free end, said cavity being defined by a funnel shaped guiding entrance, an annular upsetting shoulder extending transversely of said body at the inner end of said funnel entrance, a cylindrical wall concentric with said body and extending inwardly from the inner periphery of said annular shoulder, a second annular upsetting shoulder extending transversely of said body at the inner end of said cylindrical wall, and a second cylindrical wall concentric with said body extending inwardly from the inner periphery of said second annular shoulder to the bottom of said cavity.

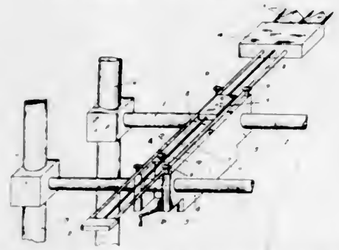
2,582,520
LADDER
Roy O. Balogh, Cleveland, Ohio, assignor, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo., a corporation of Missouri
Application June 4, 1949, Serial No. 97,161
7 Claims. (Cl. 228—59)

1. In a ladder, the combination of a rail, a strut secured thereto and projecting therefrom, a fork at the free end of said strut having wings in the plane of said rail, aligning notches through both wings of said fork, and a tension rod se-



cured at one end to the rail and at the other end having a cross pin occupying said notches.

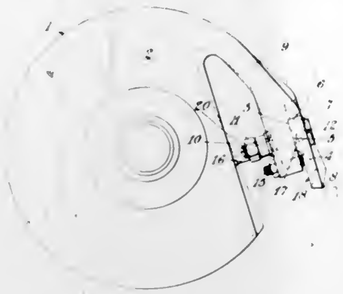
2,582,521
MACHINE FOR MINING TENDER STONES OR OTHER MINERAL SUBSTANCES
Pierre Eugène Bataille, Emeville, France, assignor to Societe des Carrieres de l'Oise et de la Meuse, Crepy-en-Valois, Oise, France
Application August 17, 1945, Serial No. 610,952
In France August 20, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 13, 1964
6 Claims. (Cl. 262—22)



3. A cutting machine for mining mineral substances existing in compact masses comprising guiding means adapted to be positioned parallel to the plane of the cut, a casing movable along said guiding means, a power device and a gear train connected thereto within said casing, a frame movable on said casing perpendicular to the plane of the cut, a shaft rotatably mounted on said frame, a cutting device comprising parallel cutters rotatably mounted in said frame and driven by said shaft in such manner that the shaft may slide longitudinally with the frame, said frame including bars slidably engaged with said casing, and means for moving said frame transversely of said guiding means and longitudinally of said casing.

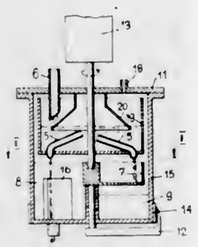
2,582,522
MOUNTING OF ROTARY CUTTING MEANS FOR PAPER, CARD, AND THE LIKE
James Eckersley Battersby, London, England, assignor to Masson Scott & Company Limited, London, England
Application August 11, 1948, Serial No. 43,637
In Great Britain August 15, 1947
6 Claims. (Cl. 164—70)

1. A rotary cutter for severing sheets by a progressive cutting action comprising, in combination, a rotatable support having thereon a seating for receiving a cutting blade with its plane in substantially tangential relation to the support and formed so that the blade assumes at least an inclined relation to the axis of rotation when secured to the support, said seating including a shoulder abutment surface for the rear edge of the blade and adapted to receive the cutting thrust on said blade, a flexible cutting blade disposed in said seating and having enlarged bolt



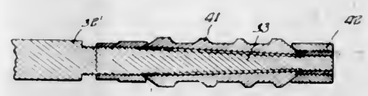
holes therein, and bolts passing through said enlarged holes and having nuts thereon for securing the cutting blade to the seating, said bolts each having an eccentric cam portion engageable with the sides of the bolt holes and so arranged that by rotating the bolts the rear edge of the blade is drawn forcibly against the aforesaid abutment surface in such a manner that the cutting thrust on the blade will be taken by said surface and not by the bolts.

2,582,523
LIQUID DISTRIBUTOR FOR DIVIDING A CONSTANT OR VARIABLE STREAM OF LIQUID INTO TWO PARTIAL STREAMS
Jacques Beglinger, Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland, a Swiss company
Application August 1, 1949, Serial No. 107,944
In Switzerland August 6, 1948
2 Claims. (Cl. 137—166)



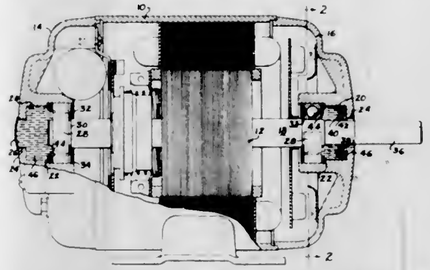
1. A liquid distributor comprising a rotatable cylindrical container incorporating at least two radial outlet tubes leading outwards and downwards, the inlet ends of the said tubes being arranged near the axis and at different heights, a cylindrical vessel mounted axially beneath said container, containing a fixed partition forming two completely separate semicircular compartments, with a semi-circular segment-adjuster movable angularly above said compartments, incorporating an outlet into one of the said compartments, and an outlet for every one of the said compartments.

2,582,524
REAMER AND METHOD OF PRODUCING SAME
John Y. Blazek, Bedford, Ohio, assignor to Lempco Products, Inc., Bedford, Ohio, a corporation of Ohio
Application December 15, 1945, Serial No. 635,203
2 Claims. (Cl. 77—75.5)



2. A reamer comprising a one piece shank having an enlarged driving head at one end of the shank and a tapered milled portion including a plurality of tapered segment supporting surfaces having hook-like projections, the larger end of the tapered milled portion merging with a larger diameter portion of the shank adjacent the enlarged head, the other end of the shank having a reduced diameter portion and being machined to a less diameter than the smaller end of the tapered portion and terminating the smaller end of the tapered portion, a sleeve brazed on the reduced diameter machined portion of the shank and provided with threads, a collar slidable over the sleeve and the tapered milled portion onto the larger diameter portion of the shank, means for adjustably retaining the collar on the larger diameter portion of the shank, a plurality of segments having spiralled cutting edges removably and longitudinally adjustably carried on the tapered milled portion of the shank, and a nut carried by the threaded sleeve, the collar and nut longitudinally adjustably securing the segments to the tapered portion of the shank.

2,582,525
SHAFT SEAL
Steffen S. Brown, Dayton, Ohio, assignor to The Brown-Brockmeyer Co., Dayton, Ohio, a corporation of Ohio
Application January 19, 1948, Serial No. 3,152
8 Claims. (Cl. 308—187.1)



1. In an electric motor having a stator and a rotor; an end cover for said stator having an aperture therein, a shaft for said rotor extending through said aperture, a boss on the inside of said cover surrounding said shaft and a shouldered recess therein in axial alignment with said aperture, a felt washer closely surrounding said shaft and disposed in the bottom of said recess to engage said shaft adjacent said aperture, a stiff washer press fitted into said recess and loosely surrounding said shaft, said washers being axially spaced toward the outside of said cover from the shoulder in said recess to define a lubricant cavity, a shoulder on said shaft axially spaced from the shoulder on said recess in the opposite direction, an anti-friction bear-

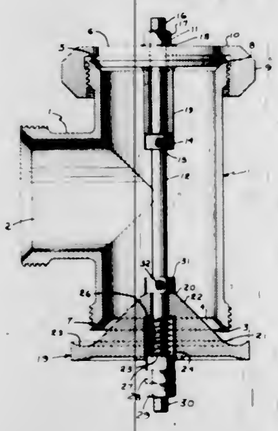
ing on said shaft between said shoulders, a metal washer on said shaft between the shoulder thereon and said bearing and having close clearance with the wall of the larger part of said recess and projecting beyond that portion of the wall supporting the race of said bearing, and shims placed between said bearing and the shoulder in said recess to fill the space therebetween.

2,582,526
PUSH-BAR
Richard Burdick, Dallas, Tex.
Application July 10, 1950, Serial No. 172,979
2 Claims. (Cl. 16—1)



1. A door push-bar comprising a central element having an inclined forwardly presented face and spaced parallel slots formed in its rear face, and extensible bars mounted in said slots.

2,582,527
NOZZLE VALVE
Edward Neal Burnett, San Lorenzo, Calif., assignor to Gerber Products Company, Fremont, Mich., a corporation of Michigan
Application November 14, 1947, Serial No. 786,020
6 Claims. (Cl. 299—125)



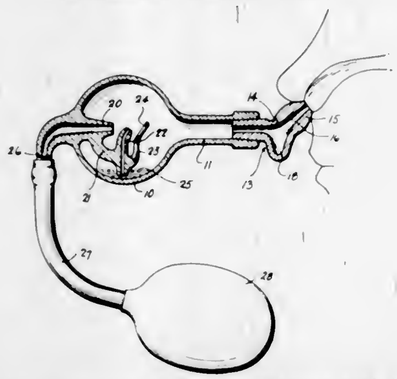
1. A spray valve comprising a casing consisting of a T, the lateral outlet of said T being the inlet of the valve, one of the line outlets of the T forming the discharge port of the valve, the wall of the T surrounding said line outlet forming the seat of the valve, a cap closing the other line outlet of the T, a stem secured to and extending from the cap through the discharge port of the valve, a disc slidably mounted on the stem, means external of the casing resiliently urging said disc towards the seat to control the area of the port, and means on the stem limiting the movement of the disc towards the seat.

2,582,528
QUICK-CHANGE CASING STABBING BOARD
Floyd Lee Ottis Cranford, Baton Rouge, La.
Application August 29, 1947, Serial No. 771,199
3 Claims. (Cl. 304—29)



1. A quick change casing stabbing board having vertical standards, sleeves slidable axially over said standards, a platform, pivot means carried by said sleeves for supporting said platform, said pivot means having horizontal axes whereby said platform is adapted to be swung vertically about said pivot, a second pivot means comprising connecting pieces attached to said first mentioned pivot and having vertical axes for supporting said platform for lateral movement.

2,582,529
MEDICAMENT APPLICATOR
Harold E. Curry, Seattle, Wash., and Hugh A. Miller, Bay Shore, N. Y.
Application July 5, 1949, Serial No. 102,982
3 Claims. (Cl. 128—173)



1. An applicator for the massaging and draining of cranial cavities, comprising a closed chamber, means in the chamber for the atomization of a liquid medicament; said chamber having an outlet member designed for application in airtight connection to a nostril of the user, a resilient rubber bulb connected with the chamber and operable, upon being collapsed and allowed to return to normal form, to create alternate conditions of pressure and suction in the chamber which will be transmitted through said outlet member and nostril to the area under treatment; said outlet member comprises a tubular fitting adapted to be removably applied at one end to the chamber and at its other end to the nostril, and formed between its ends with a discharge bowl for the collection of drainage from the treated area.

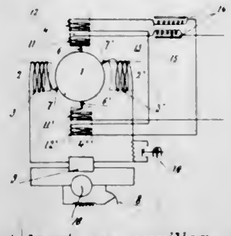
2,582,530
WELL PACKER
Irven Daetwiler, Hot Springs, Ark.
Application September 1, 1950, Serial No. 182,790
7 Claims. (Cl. 166—10)



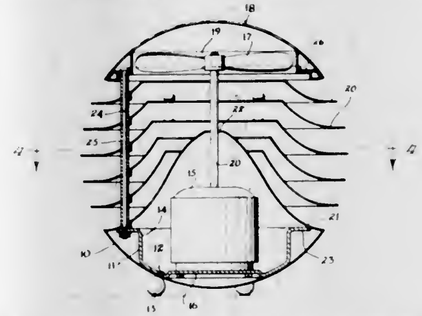
1. In a well packer, an upper tubular member having coupling means at its upper end, a lower tubular member having coupling means at its lower end, the lower end of said upper tubular member and the upper end of said lower tubular member being slidably and gas-tightly telescoped with each other, releasable means connecting said telescoped ends and normally holding them against relative sliding, a sleeve surrounding and spaced outwardly from said telescoped ends, the lower end of said sleeve being closed and secured to said lower tubular member, the upper end of said sleeve being open and having an internal circumferentially extending downwardly facing valve seat, said upper tubular member being provided with an external circumferential upwardly facing valve normally contacting with said valve seat, said sleeve, said valve seat, and said valve providing a compressed gas chamber between said sleeve and said tubular members, and an expansible jacket surrounding said upper tubular member and having its upper end gas-tightly secured to said upper tubular member, the lower end of said jacket being gas-tightly secured to the upper end of said sleeve; whereby upon release of said releasable means and downward movement of said valve from said seat, compressed gas from said gas chamber will fill and expand said expansible jacket.

2,582,531
RAPID RESPONSE DIRECT CURRENT GENERATOR
Roland Pierre Léopold Marie David, Paris, France, assignor to Le Materiel Electrique S. W., Paris, France, a joint-stock company of France
Application July 25, 1945, Serial No. 607,063
In France July 8, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 8, 1963
3 Claims. (Cl. 322—53)

1. Rapid responses, direct current generators, comprising main field poles provided with at least one usual field winding, said winding being traversed by a current of normal excitation other than a series excitation, a normal armature, a commutator and main brushes lying on said commutator at substantially right angles to the axis of said main poles, an even number of supplementary poles interposed between said main poles, a transformer having primary and secondary windings, said supplementary poles carrying one winding traversed by the current delivered by the generator and at least one additional winding in closed circuit with the secondary of said transformer whose primary is traversed by the current delivered by the generator, and at least one auxiliary brush engaging the commutator between the main brushes and connected to the said field winding of the main poles, whereby there is introduced into said winding, already traversed by the said normal excitation current, the stepped-up or stepped-down electromotive force created by the flux engendered by the magnetomotive force produced by the said windings of said supplementary poles in addition to the magnetomotive force which is required for compensating the armature reaction due to the current delivered by the generator.

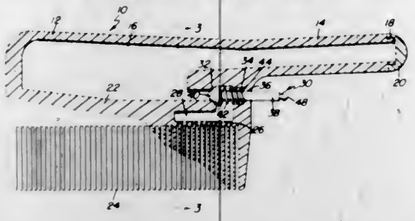


2,582,532
ELECTRIC FAN
George A. Dean, New York, N. Y.
Application November 1, 1946, Serial No. 707,317
4 Claims. (Cl. 230—259)



1. A portable fan including an impeller, a motor for driving said impeller and toward which a current of air is directed by said impeller, and a spherical housing for enclosing said impeller and motor, said housing having upper and lower cap members which provide the upper and lower portions of said housing, said upper cap member being arranged over said impeller and being formed with air inlet openings and the lower of said cap members supporting said motor, and a vertical series of spaced-apart, truncated, bell-shaped diffusing members located between said upper and lower caps for forming the central portion of said housing and for directing said air outwardly, said bell-shaped members having lower rims varying in diameter so that said rims and said caps have the same spherical radius.

2,582,533
FOUNTAIN COMB
Robert E. Dixon, Cleveland, Ohio
Application March 15, 1950, Serial No. 149,662
1 Claim. (Cl. 132—13)



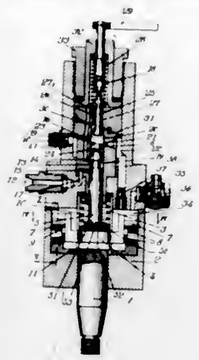
A fountain comb comprising a hollow body having a fluid compartment therein, an elongated hollow extension on said body communicating with said compartment and forming a handle, a removable cap on said handle for access to said compartment, teeth carried by said body, bores in said body opening into the spaces between a plurality of teeth adjacent said handle, a substantially C-shaped conduit in said body having one leg communicative with said bores and the other leg communicative with said compartment, a valve seat in said other leg of said conduit, a valve stem extending slidably through a portion of said body immediately adjacent said handle and extending substantially parallel thereto, a valve on the inner end of said stem, spring means normally urging said valve on said valve seat to close said conduit and cut off flow of liquid therethrough, and finger gripping means on the outer end of said stem.

2,582,534
PRESERVED FISH WORM AND SOLUTION FOR AND METHOD OF PRESERVING FISH WORMS
James A. Doyle, Jr., Rome, and Gustav W. Pirk, Utica, N. Y.
No Drawing. Application November 10, 1949, Serial No. 126,684
10 Claims. (Cl. 99—3)

1. As a composition for preserving fish worms, from about 3 to 25% formaldehyde, a modifying agent selected from the group consisting of about 1 to 20% of a non-volatile polyethylene glycol, of about 0.1 to 10% of glycerine, and of about 0.1 to 1.0% of a quaternary ammonium compound, the percentages being by weight, and a vehicle therefore selected from the group consisting of water, a liquid alkyl alcohol and mixtures thereof.

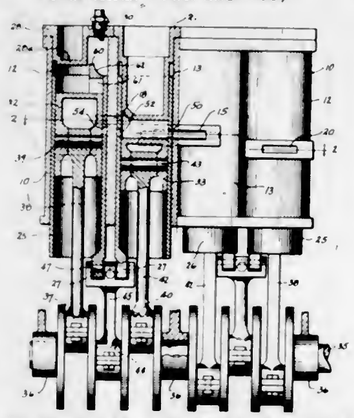
2,582,535
FUEL INJECTION PUMP
Gaston Charles Drouot, Paris, France, assignor to Society "La Precision Mecanique," S. A., Paris, France, a society of France
Application April 7, 1949, Serial No. 86,046
In France April 14, 1948
12 Claims. (Cl. 103—2)

1. A piston pump which comprises, in combination, a frame, a pump body rigid with said frame, a piston both rotatable and slidable axially in said body, a driving shaft, a crossbar extending on either side of the axis of said piston operatively connected with said piston, joint means for coupling said piston with said crossbar with a limited amount of freedom, at least two cams carried by the respective ends of said crossbar, a fixed race carried by said frame adapted to cooperate with said cam, spring means for urging said cam against said race, and at least two rollers journalled in said race with their respective axes located along different diameters of said race and adapted to cooperate with said



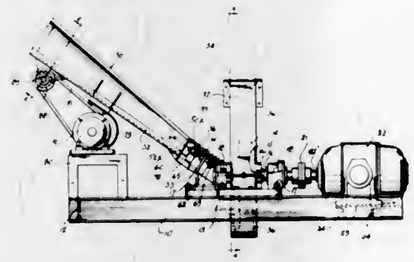
cams for causing said piston to move axially against the action of said spring means for at least one predetermined angular position of said piston with respect to said body.

2,582,536
TWO-CYCLE ENGINE AND PUMP
Oscar H. Erickson, Puyallup, Wash.
Application January 12, 1948, Serial No. 1,742
2 Claims. (Cl. 123—70)



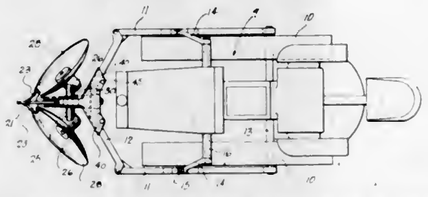
1. An engine of the character described comprising, in combination, a power cylinder and a pump cylinder having an exchange passage, a sleeve reciprocally fitted in the pump cylinder, a pump piston reciprocally contained in said sleeve, a sleeve reciprocally fitted in the power cylinder, a power piston reciprocally fitted in the second mentioned sleeve, a crank shaft to which said pistons are connected for equal reciprocal action with the pump piston substantially in advance of the power piston, an eccentric on the crank shaft whereby said sleeves are reciprocated in unison through a relatively short travel interval; said exchange passage being located approximately at the level of the upper limit of travel of the pump piston and near the lower level of travel of the power piston; said power cylinder having an exhaust port approximately at the level of the lower limit of travel of the power piston; said pump cylinder having a fuel intake port spaced below the level of the exchange passage; said sleeve of the pump cylinder having a port that is moved downwardly into registration with the fuel intake port for intaking fuel and then upwardly to close said port as the pump piston moves through its suction stroke; and a second port therein that is moved upwardly into registration with the exchange passage and then downwardly to close the passage as the pump piston moves upwardly; said sleeve of the power piston having a port therein that is moved upwardly into registration with the exchange passage but slightly in advance of the said second port of the other sleeve as the power piston moves upwardly, and a second port that is moved upwardly and into registration with the exhaust port of the power cylinder as the power piston moves to its lower limit of travel.

2,582,537
RECHIPPER WITH VIBRATING TROUGH
Einar I. Flateboe, Everett, Wash.
Application October 17, 1949, Serial No. 121,799
6 Claims. (Cl. 241—92)



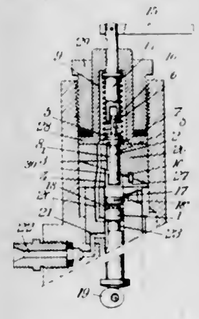
5. A re-chipper for reject material from a wood chipping operation comprising in combination, a wood chipper having chipping blades and an anvil of trough-like form within which material to be re-chipped is received and advanced to the chipper blades, a feed hopper in the form of a V-shaped trough, rested at its discharge end in the anvil trough to discharge material thereto, spring means supporting the hopper in a position downwardly inclined toward the anvil, an unbalanced rotary means supported by the hopper at its outer end, means for rotating said unbalanced rotary means to cause a vibratory action of the hopper to be set up whereby material delivered into the hopper at its higher end for re-chipping is caused to be advanced toward the lower end and the pieces thereof to be aligned and compacted as they advance; the angle formed by the opposite side walls of the trough being decreased gradually from the outer to the lower end of the trough.

2,582,538
TRENCHING PLOW
Theodore P. Flynn, Portland, Oreg., assignor to Isaacson Iron Works, Seattle, Wash.
Application July 19, 1947, Serial No. 762,119
6 Claims. (Cl. 97—53)



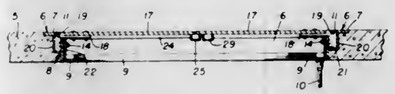
1. A plowing implement comprising a mounting bracket, a vertically extending coulter bar mounted by the bracket and formed with a forward cutting edge, a bearing fixed to the bracket rearwardly of the coulter bar, a cross-shaft rotatably mounted in said bearing, bearings fixed on the opposite ends of said cross-shaft, spindles mounted in said latter bearings and extending forwardly in angular divergence, plow discs rotatably mounted by said spindles at their forward ends and cooperatively arranged to turn furrows in opposite directions from the coulter bar, and means fixed to the cross-shaft for rotatably adjusting the cross-shaft to change the plowing angle of the discs.

2,582,539
FUEL INJECTION PUMP FOR INTERNAL-COMBUSTION ENGINES
Yves André Grimod, Paris, France, assignor to Society "La Precision Mecanique," S. A., Paris, France, a society of France
Application April 7, 1949, Serial No. 86,042
In France April 14, 1948
15 Claims. (Cl. 103—41)



1. An injection pump for an internal combustion engine which comprises, in combination, a fixed frame provided with a compression chamber, a delivery chamber, and a bore extending between said two chambers, a piston in said compression chamber, a valve member slidable longitudinally in said bore, spring means for yieldably opposing movements of said valve member toward said delivery chamber, the side wall of said valve member being provided with at least one longitudinal recess adapted to form, together with the inner wall of said bore, a longitudinal channel for the flow of liquid along said valve member from said compression chamber toward said delivery chamber, and means operable at will for modifying the useful sections of flow of the liquid through said channel, to permit of modifying the action thereof.

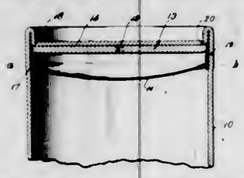
2,582,540
SIDEWALK DOOR CONSTRUCTION
John W. Gruse, Washington, D. C.
Application February 4, 1947, Serial No. 726,311
3 Claims. (Cl. 94—36)



1. A sidewalk door construction comprising four frame bars connected at their ends to form a rectangular frame having horizontal flanges and vertical flanges depending from the inner edges of said horizontal flanges, shallow horizontal channel bars secured to the inner faces

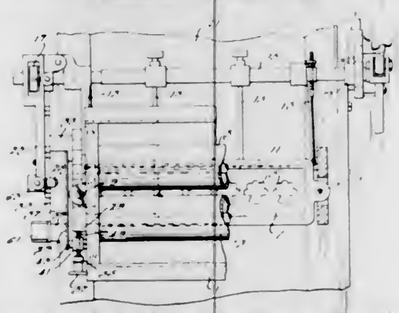
of the lower portions of said vertical flanges and connected at their ends to form a continuous gutter around the inside and at the bottom of said frame adapted to have a drain pipe connected thereto, two opposed ones of said frame bars having hinge openings in adjacent portions of the horizontal and vertical flanges thereof, stationary hinge members having vertical portions secured to the inner faces of the vertical flanges of said two frame bars and having horizontal bifurcated upper portions projecting outwardly within said hinge openings flush with the top of the frame, a pair of doors for closing the opening of the frame, movable hinge members fixed to and extending from corresponding edges of the doors and pivoted to the stationary hinge members between the bifurcations of the latter, and open-top catch basins secured to the undersides of the horizontal flanges and to the outer sides of the vertical flanges of said two frame bars to catch water leaking through said hinge openings, there being one catch basin for each hinge, the vertical flanges of said two frame bars having openings through which the water may drain inwardly from the bottom portions of said catch basins into said continuous gutter.

2,582,541
SHOCK RESISTANT CONTAINER
John Kearsley M. Harrison, Gainesville, Va.
Application June 24, 1947, Serial No. 756,662
8 Claims. (Cl. 229—5.5)



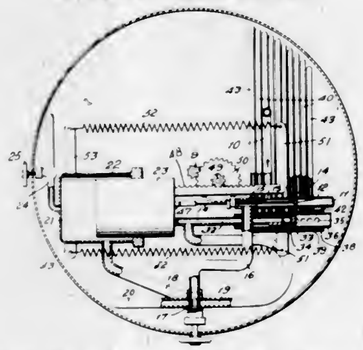
1. A container having a flexible imperforate closure adjacent an end thereof, said closure having an integral flange extending toward said end of the container, sealing means bonding said flange to the container wall, and a plane rigid closure spaced within said flange between said end of the container and said flexible closure and being in spaced relation to said flexible closure and held in position by a deformed portion of the container.

2,582,542
COOKY MAKING MACHINE
August E. Hein, Cincinnati, Ohio, assignor to The Century Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application April 7, 1949, Serial No. 86,077
5 Claims. (Cl. 107—29)



1. In a cookie making machine or the like having a wire cut-off mechanism, the combination of vertically spaced tracks for guiding reciprocatory motion of the wire, the upper of said tracks being adapted to guide the wire during cutting and its end portion comprising a drop-off point where at the wire mechanism falls to the lower track, said upper track being movable longitudinally, and means for moving the upper track longitudinally and thereby adjusting the upper track so as to vary the position of its end drop-off portion relative to the end points of the reciprocatory stroke of the wire.

2,582,543
LIQUID CONTROL ARRANGEMENT FOR WASHING MACHINES
Jörgen Hertz, Copenhagen, Denmark
Application March 8, 1946, Serial No. 653,001
In Sweden March 28, 1945
4 Claims. (Cl. 137—139)



1. A valve control device for controlling sequential flow of liquid under pressure to a plurality of discharge ports in said device, the combination of a conduit for said liquid provided with a reciprocable valve for opening and closing said conduit; a cylinder; a piston reciprocable in said cylinder and yieldably connected with said valve; a second conduit connected with said cylinder; a flexible conduit connected at one end to said piston for reciprocation therewith and provided at its other end with means for supplying said liquid sequentially to a plurality of discharge parts; means for alternatively connecting said first conduit with said second conduit so that the liquid moves said piston in said cylinder in one direction, and with said flexible conduit so that said liquid flows through said parts; means for automatically returning said piston, after it has been moved by said liquid, said valve closing said first conduit when said piston is returned; and additional means for moving said valve to open said first conduit.

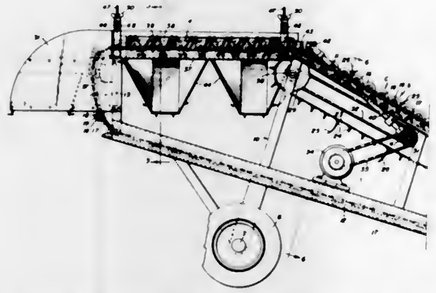
2,582,544
DECK OF PLAYING CARDS
Hanna W. Johnson, Des Moines, Iowa
Application May 15, 1947, Serial No. 748,227
5 Claims. (Cl. 273—152)



1. A musical card game comprising a plurality of cards with a staff printed thereon, the cards

comprising books of three cards each, each of the cards of each book having three pitch notes thereon positioned on its staff and differing from the pitch notes of the other books, adjacent notes of each card being an octave apart, one of the three pitch notes being of a different time value than the other two notes, the different time value note of any one card of a book being of a different octave note than the corresponding note of each of the other two cards of the book.

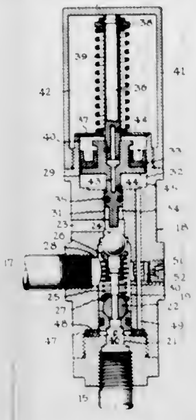
2,582,545
PORTABLE SORTING MACHINE
Louis Kerian, Grafton, N. Dak.
Application April 26, 1948, Serial No. 23,302
3 Claims. (Cl. 209—106)



1. A portable sorting machine in the form of a two-wheeled trailer vehicle and comprising a conveyor mounted near the rear upon a pair of coaxial ground-engaging wheels and having a front draft tongue, means to support the forward end of said conveyor upon and in close proximity to the ground, said conveyor having a forwardly inclined upper forward portion and a substantially horizontal upper rear portion and including a traveling endless conveying and sorting element consisting of a single series of rollers flexibly connected for free movement toward and away from each other, a feed hopper for the conveyor on the front end of the same, power driven means carried by the forward end of the conveyor to engage and move the rollers into compacted conveying relation, power driven means to engage and move the rollers in the compacted relation up the inclined portion, and power driven means to move the rollers rearwardly and gradually increase the space thereof at the upper rear portion, rollers having projecting end spindles, and wherein the means to move the rollers into compacted conveying relation comprises driven rotary star wheels engageable with the spindles of the rollers.

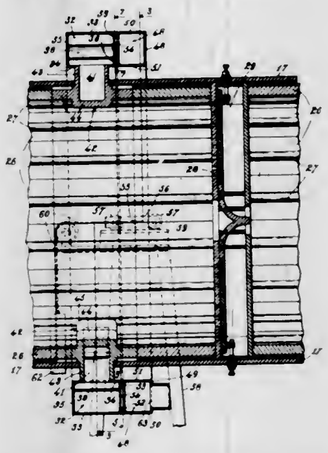
2,582,546
AUTOMATIC CHARGING AND VENT VALVE
William F. Klein, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application June 29, 1950, Serial No. 171,090
6 Claims. (Cl. 291—15)

1. The combination of a control pipe and at least two controlling valve mechanisms, each of which is operable to charge and to vent said control pipe, and each of which has an inactive position in which it does not interfere with the charging and venting functions of the other, said valves each comprising in combination, a pilot connection; means operable selectively to charge and to vent said pilot connection; a check valve providing one way flow from the pilot connection to the control pipe; an exhaust valve controlling flow from the control pipe to atmosphere; means biasing said valves to closed position; a motor comprising a cylinder and a piston reciprocable in said cylinder and dividing the cylinder into first and second working spaces; a mechanical connection by which said piston opens said exhaust valve when the piston moves toward the first



working space; means affording substantially unrestricted flow from said first working space to the second working space and restricted reverse flow therebetween; means affording free flow between the pilot connection and said first working space; and yielding means biasing said piston toward said second working space.

2,582,547
COMMINUTING MILL WITH MEANS FOR LATERAL INJECTION OF FLUID THEREINTO
Haavard Kronstad, Mahoningtown, Pa.
Application January 4, 1949, Serial No. 69,227
1 Claim. (Cl. 241—54)



A comminuting mill comprising a rotary drum, a wind box encircling the outside of and rotating with said drum having a radial face, circular concentric bearing members on said radial face, said radial face having an intake opening between said members, a partition dividing the interior of said box, a plate on said radial face extending between the circular concentric bearing members adjacent to said partition in the direction of rotation, there being a passage extending from a

part of said box adjacent to said plate to the interior of said drum, a non-rotating wind box, annular bearing members thereon in contact with those of said rotating box, there being an opening from said non-rotating box between its bearing members alignable with the opening of said rotating box, means holding said bearing members in contact, and means to force fluid into said non-rotating box.

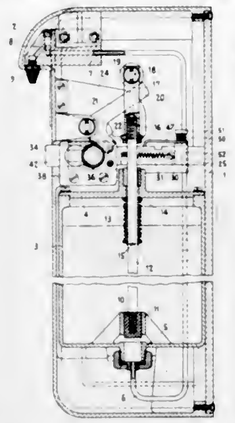
2,582,548
PORTABLE LOGGING TOWER
Harry D. Larson, Seattle, Wash., assignor to Isaacson Iron Works, Seattle, Wash.
Application April 1, 1946, Serial No. 658,855
2 Claims. (Cl. 189—11)



1. A mobile road vehicle comprising a cross-beam with horizontal plate fixed thereon and serving as a tower base, a fifth wheel assembly disposed on the cross-beam and comprising a bottom plate engaged flatly upon the said horizontal plate, a vertical pivot bolt extended through the said plates for the turning of the fifth wheel assembly, upright flanges on said bottom plate equally spaced forwardly and rearwardly of the pivot bolt, a second pivot bolt extended horizontally between said flanges, a block pivotally supported by said bolt between said flanges, a tower mounting yoke comprising a top plate and laterally spaced leg portions extended downwardly therefrom to opposite sides of said block, a third pivot bolt, extended horizontally through said legs and said block, at a right angle to the direction of the block mounting pivot bolt, a tower rigidly mounted on the top plate of the yoke; said tower being adapted to be swung on the last mentioned pivot bolt to a trailing position back of the said road vehicle, a derrick rigidly mounted on the road vehicle immediately forward of the cross-beam, and a tower holding means at the upper end of the derrick for embracing the tower when raised to an upright position.

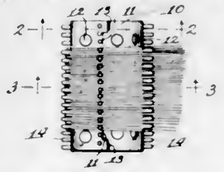
2,582,549
COIN-OPERATED FUEL ISSUING MACHINE
Gottlieb Looser, Zurich, Switzerland
Application February 4, 1949, Serial No. 74,648
In Switzerland November 30, 1948
1 Claim. (Cl. 222—2)

A coin-operated automatic fuel issuing machine comprising a fuel tank communicating with a cylinder and the latter communicating via a pipe line with a delivery nozzle, a piston and rod movably arranged in said cylinder for impelling an accurately metered quantity of fuel to the delivery nozzle, a coin-operated mechanism controlling the movement of said piston and rod, a spring, the rod of the piston being subject to the action of said spring and movable against the resistance of said spring, means including a slide for receiving a coin for controlling said spring, a roller mounted in the slide so



as to be movable transversely of the direction of movement of said slide, a lever normally bearing on said roller for holding the piston rod in an initial position, said roller being withdrawn from below said lever thus releasing the lever which releases the spring for driving the piston rod, when a coin has been inserted and said slide pushed inwardly.

2,582,550
HAIR CURLER
Arthur H. Madore, Los Angeles, Calif.
Application October 22, 1948, Serial No. 55,958
1 Claim. (Cl. 132—33)



A hair curler comprising a tube of thin resilient sheet material split lengthwise to form oppositely disposed straight edges, one edge normally overlapping the other to a slight degree, the end portions of said overlapping edge being cut away and forming L-shaped hooks extending inwardly from the overlapping edge at the rear of said cut away end portions, and radially with respect to the circumference of the curler for engaging the ends of the opposite underlying edge, rows of short pins projecting radially from said cylinder at equal distances apart and one row of teeth being disposed normally adjacent the underlying edge of the cylinder and providing a stop for the overlying edge of said cylinder.

2,582,551
SHOE HEEL STRUCTURE
Gerhardus L. Malherbe, Suider-Paarl, Cape Province, Union of South Africa
Application September 5, 1950, Serial No. 183,129
1 Claim. (Cl. 36—36)

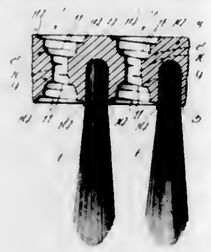
A shoe heel comprising a top member for attachment to a shoe, said top member including

a pair of spaced, parallel, longitudinally extending depending tongues, said tongues terminating in substantially rounded rear end portions, the inner longitudinal sides of the tongues being dovetailed, lateral flanges on the outer longitudinal sides of the tongues terminating at intermediate points on said tongues, said flanges including dovetailed upper surfaces, a tread mem-



ber for mounting on the top member, said tread member having a pair of spaced, parallel longitudinal grooves in its upper portion for slidably receiving the tongues, said grooves conforming substantially to the shape of the tongues and the flanges thereon, and means for positively locking the tread member to the top member against longitudinal movement.

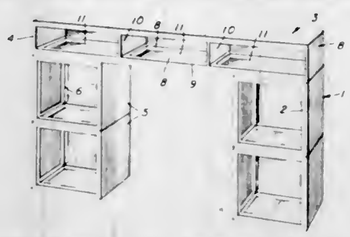
2,582,552
BRUSH HAVING BRISTLE CLEANING APERTURES
Frederick J. Marco, Des Plaines, Ill.
Application May 4, 1949, Serial No. 91,263
9 Claims. (Cl. 15—167)



1. A brush comprising a head, a plurality of tufts of bristles secured in said head and extending outwardly of the bottom surface of the head, and a plurality of conical apertures extending through said head at portions thereof between adjacent tufts of bristles from the upper surface to the bottom surface of the head, and said apertures substantially throughout their entire length having the defining walls thereof spirally grooved, whereby upon disposal the upper surface of said head below a stream of water said spiral grooves serve to impart a rotating or swirling action to the water passing through said apertures so that the water is thrown circumferentially outwardly of the apertures at the bottom surface of said head upon the roots of the tufts of bristles.

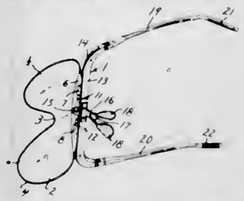
2,582,553
SECTIONAL TOY FURNITURE
Robert H. McMurtrie, Huntingburg, Ind., assignor to Ferdinand Furniture Company, Inc., Huntingburg, Ind., a corporation of Indiana
Application August 17, 1949, Serial No. 110,843
3 Claims. (Cl. 46—26)

1. Toy building blocks for placing together with sides engaged to form toy furniture, and pull-apart fasteners for detachably attaching the engaged sides of the blocks together comprising mating sockets in said engaged sides having enlarged inner ends, and resilient pins having enlarged outer ends fitting in the inner ends of the



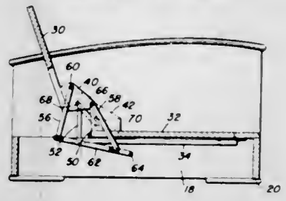
mating sockets, said pins between the enlarged ends thereof being of uniform diameter.

2,582,554
SUNGLASSES
William A. Mendelsohn, Chicago, Ill.
Application August 9, 1947, Serial No. 767,812
3 Claims. (Cl. 2—12)



1. Spectacles comprising a frame-member, temples operatively connected to the frame-member, a support member swingably mounted in the frame, an optical element mounted in and depending from the support member for optional movement into and out of the line of vision of the wearer, and an arcuate spring leaf mounted at one end on the frame-member and having an outwardly presented surface, said support member bearing slidably against the outwardly presented surface of the spring leaf and traversing said surface as the support member is swung upwardly and downwardly for holding the support-member at any selected position relative to the frame-member within the limits of swinging movement of said support-member.

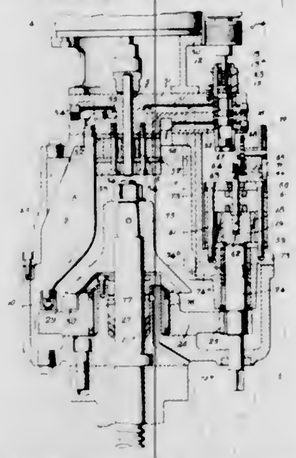
2,582,555
SECTIONAL DIVAN
Edward R. Miller, Oakland, Calif., assignor to Pillar Furniture Manufacturing Co., San Lorenzo, Calif., a corporation
Application March 4, 1948, Serial No. 13,008
2 Claims. (Cl. 5—48)



1. An article of furniture comprising a frame, a cushioned seat member and a cushioned back member hingedly connected together, a supporting and connecting linkage for said members including a bar pivoted to a central portion of one end of said frame, hinge plates secured to said seat member and back member and connected by a hinge pin, latch means for said plates and two links having one pair of ends pivoted

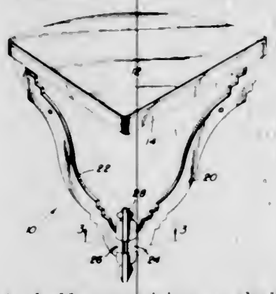
in spaced relation on said bar and the other end of one bar being pivoted on said hinge pin and the other end of the other bar being pivoted on the plate secured to the back member.

2,582,556
ELECTROHYDRAULIC VALVE OPERATING MECHANISM
Carl Morey, Hamilton, Ohio, assignor to Economy Pumps, Inc., Hamilton, Ohio, a corporation of Illinois
Application April 14, 1945, Serial No. 588,340
5 Claims. (Cl. 60—53)



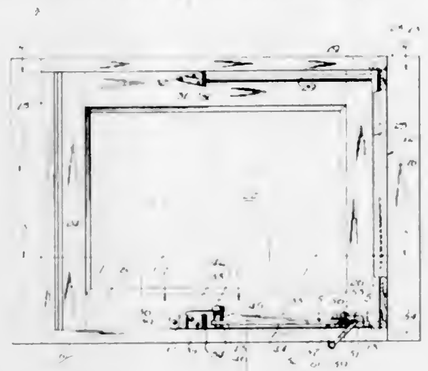
4. In a valve operating unit comprising a housing having a bottom seat adapted for resting upon a valve bonnet, said seat having an upwardly extending sleeve bearing, a gear journalled upon said sleeve bearing, a valve stem extending through said seat and bearing, a member secured upon the upper end of said stem, said member and stem having coacting impact means, an auxiliary housing in said housing, a hydraulic motor mounted in said auxiliary housing and having a gear in meshing relation with said first mentioned gear, a block in the upper end of said housing, a pump secured to said block, said housing constituting a fluid chamber, a reversing valve above said hydraulic motor, said block having a fluid inlet passage to said pump and a fluid outlet passage to said reversing valve and means for operating said pump.

2,582,557
WHATNOT SHELF
Waldemar B. Palkman, Sacramento, Calif.
Application January 5, 1950, Serial No. 136,916
1 Claim. (Cl. 211—90)



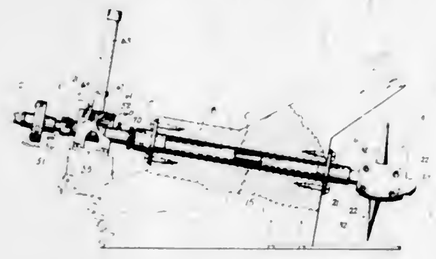
A whatnot shelf comprising a shelf plate of substantially the shape of a right angled sector of a circle, said plate having a peripheral flange secured thereto, a pair of braces secured to said flanges and converging towards each other in planes which perpendicularly intersect, and an assembly block having recesses intersecting at right angles therein, each of said braces having a tenon secured in one of said recesses.

2,582,558
OPENING AND CLOSING MECHANISM FOR WINDOWS
Amie Parquette, Woodstock, Ill.
Application December 22, 1950, Serial No. 202,301
8 Claims. (Cl. 268—119)



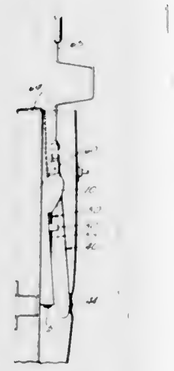
1. Window opening and closing mechanism including a window and a window frame, comprising worm gear means mounted on the said window frame and provided with a lever extension, pivotal support means provided with trunnions articulately secured adjacent one side of the said window frame and having an upper and a lower arm hingeably secured to the said window, tubular pivotal means secured to the free end of the said lever extension, angularly bent rod means connecting articulately the said tubular pivotal means to the hinge portion of the lower arm of the said pivotal support means, and bracket means articulately mounted on the said tubular pivotal means and provided with a depending bifurcation slidably engaging the said lower arm.

2,582,559
VARIABLE PITCH PROPELLER
Elmer O. Pearson, Burton, Wash.
Application April 14, 1947, Serial No. 741,283
3 Claims. (Cl. 170—160.47)



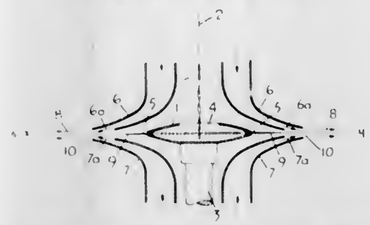
1. In a boat, a shaft log having bearings at inner and outer ends thereof, a sleeve mounted in said bearings for rotation and longitudinal shifting, a propeller shaft passing through the log and contained revolubly in the sleeve without longitudinal movement, a propeller hub fixed to the outer end of the shaft to rotate therewith, propeller blades mounted on the hub and adjustable thereon for change in direction and degree of pitch, means operatively connecting the sleeve at its outer end with said blades whereby shifting it along the shaft in opposite directions from a neutral setting will simultaneously adjust the blades from a neutral setting for forward and reverse propulsion, respectively, to a degree corresponding to the extent of shifting, a housing fixed in the boat and having a cylindrically curved wall portion extending about a portion of the said sleeve coaxially thereof and formed with a cam slot that is directed spirally of the sleeve, a lever arm fixed rigidly to the sleeve and extended through said cam slot and shiftable therealong in opposite directions from a neutral setting to effect the longitudinal shifting of said sleeve in opposite directions, a latch device on the lever arm engageable with the housing to retain the arm at set positions of adjustment.

2,582,560
ADJUSTABLE METAL STRAIGHTENER AND ANVIL
Russell A. Peterson, Berkeley, and Lewis J. Howell, Oakland, Calif.
Application June 27, 1947, Serial No. 757,494
2 Claims. (Cl. 81—15)



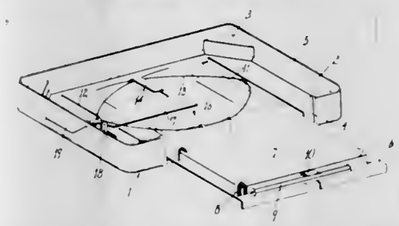
2. Apparatus for exerting expansive force on yieldable metal surfaces comprising a base having a channel closed at one end by a wall, a head member closing the other end of said base and provided with an arcuate recess adjacent a protruding hinge surface, a spreader arm having means cooperating with the hinge surface and recess of said head member, means movable in said channel and engageable with said arm along the length thereof for moving and maintaining said arm in a selected fixed angular position with respect to said base, and means carried by said base for effecting longitudinal movement of the arm actuating means, said actuating means including freely rotatable members arranged to roll along the length of said channel and the length of said spreader arm, said spreader arm being movable from a normal position substantially paralleling said channel to selected positions angularly related thereto.

2,582,561
APPARATUS FOR THE PRODUCTION OF FIBERS, IN PARTICULAR GLASS FIBERS
Ivan Peyches, Paris, France, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
Application September 21, 1945, Serial No. 617,934
In France June 4, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 4, 1963
4 Claims. (Cl. 18—2.6)



3. In a device for the production of fibres from viscous material, a rotating container for the material having peripheral perforations, blast nozzles exterior of the container and rotating with the container, said nozzles having their axes inclined toward each other at such an angle that air currents issuing therefrom will converge in the plane of the perforations.

2,582,562
TELEPHONE TRAY AND RETRACTABLE MEMO PAD
Frederick H. Rice, Van Nuys, Calif.
Application January 23, 1948, Serial No. 4,047
2 Claims. (Cl. 45—.5)

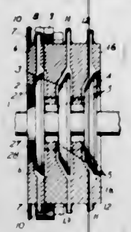


1. A telephone tray and memo pad comprising a rectangular tray shaped to fit the box of a telephone and frictionally engage the same, a metal plate in the bottom of said tray, said tray having an opening in one side thereof, a memo pad shelf slidably mounted in said opening and on said metal plate, a spring engaging the shelf and urging the same outwardly, a lug depending from the shelf, a second lug extending upwardly from the metal plate, said lugs engaging when the shelf is in retracted position, and a finger extending into the tray and under the shelf, means pivotally mounting the finger on the metal plate, said finger being adapted to lift the shelf and disengage the lugs to permit the shelf to be moved outwardly, and guide strips struck upwardly from said plate, said shelf moving between the guide strips, and a pad in each corner of the tray on which the telephone box rests.

2,582,563
MARINE BUSHING
Frederick B. Romero, Washington, D. C.
Application February 14, 1946, Serial No. 648,802
3 Claims. (Cl. 308—162)

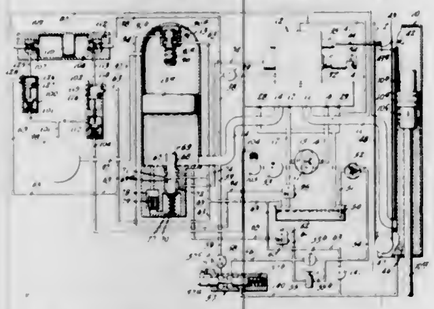
1. A marine axle or shaft bushing comprising a plurality of fitted structures, especially adapted

to prevent inflowing of water under pressure as occurs below the load waterline of ships, said plurality of fitted structures including a triple flanged axle of shaft, said three flanges being separated by spaces occupied by a plurality of cylindrical bearings which are continuously accessible by way of a plurality of supplying ducts and draining ducts to a continuous circulation



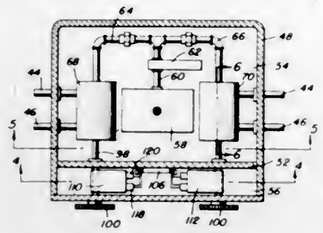
of fluid lubricant, said plurality of fitted structures including a three section encasement, said encasement having means adaptable to fixation in the vertical and horizontal planes by reinforcing structural members, said three section encasement being supplemented by a plurality of fitted detail structures providing nearly permanent absolute water tightness, in said marine axle or shaft bushing, all substantially as herewith set forth.

2,582,564
HYDRAULIC PUMPING JACK FOR IN-THE-WELL PUMPS
Frederick W. Schneck, Northridge, and Robert M. McNeill, North Hollywood, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 1, 1950, Serial No. 193,381
15 Claims. (Cl. 60—52)



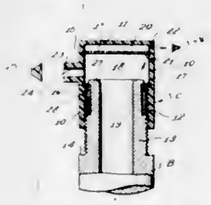
12. In a hydraulic pumping jack for reciprocating the sucker rod of an in-the-well pump: a hydraulic ram adapted to be mechanically connected to the sucker rod for lifting it in response to delivery of pressure fluid to the ram and lowering it in response to release of pressure fluid from the ram; a pump having inlet and outlet ports; a counter balance cylinder having a piston therein defining with one end of said cylinder an expansible and contractable counter balance chamber and means urging said piston to maintain pressure in said chamber; a ram line for fluid flow to and from said ram; a main valve for alternately connecting said pump to deliver fluid from said chamber to said ram and from said ram to said chamber, to reciprocate the sucker rod; and means contacted by said counter balance piston in response to movement thereof a predetermined distance from said one end of said counter balance cylinder for connecting said pump to exhaust in response to said contact.

2,582,565
ELECTROHYDRAULIC OPERATING UNIT FOR ADJUSTABLE BEDFRAMES
Edward V. Schnippel, Norbert F. Schnippel, and Donald D. Miller, Piqua, Ohio
Application March 15, 1948, Serial No. 14,976
5 Claims. (Cl. 60—52)



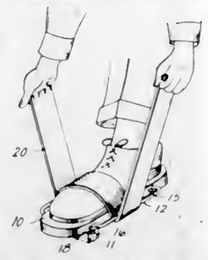
5. In an operating unit having a pair of hydraulic cylinders and pistons therein, a pump and a motor for operating the pump; a pair of conduits connecting each of said cylinders to a reservoir, selector means in the reservoir associated with said pump and said conduits, electric switches for starting and stopping the motor, and hand-operated means for simultaneously actuating the switches and the selector valves whereby fluid may be directed to the cylinders, said selector valve means including a pair of valve cylinders, each valve cylinder including a first pair of pipes connected to said pump, a second pair of pipes connected to said conduits, valves operatively connected to said hand-operated means so positioned in said cylinders whereby fluid may be selectively caused to flow from one of said first pipe means to one of said second pipe means, the flow from said one of said second pipe means leading to one side of the motor piston and returned from the other side of the motor piston to the other of said second pipe means.

2,582,566
DISPENSING BOTTLE CLOSURE
William E. Schwimmer and Leonard Maullin, Los Angeles, Calif.
Application March 8, 1950, Serial No. 148,438
12 Claims. (Cl. 215—73)



1. In combination, a container having a threaded neck and an annular flanged lip around its outlet, and a closure having a skirt adapted to be screwed onto said neck and having a top wall, a sealing disc borne by said skirt in a plane spaced from said top wall for engagement with said lip to close the container outlet and subdividing the interior of the closure into an upper air chamber and a lower dispensing chamber, said dispenser chamber having an outlet through which the contents of the container may be dispensed, and a sealing ring borne by the closure yieldable to permit its movement over and to sealing position with said neck in a plane below said lip and for locking the closure on the container against removal.

2,582,567
SHOE STAND WITH POLISHING CLOTH GUIDES
Gilliard J. Sherin, Seattle, Wash.
Application June 11, 1948, Serial No. 32,458
1 Claim. (Cl. 15—266)



A support for use in shoe shining operations comprising a foot plate adapted to be rested at the heel end upon the floor, a cross-bar fixed to the said plate at the underside and across the toe portion to support that portion at a substantial elevation above the heel end, and a single length of stiff wire bent at a medial portion to form a transverse saddle in which the heel end portion of the plate is seated and secured; the opposite remaining portions of the wire being extended along the opposite side edges of the plate in spaced relation thereto for the guiding of a polishing strap, and having their end portions turned inwardly to the sides of the plate, then downwardly, then, inwardly and applied between the bottom of the plate and said cross-bar, and staples applied to the plate about the downwardly turned portions of the wire to secure them against outward displacement.

2,582,568
SILICON-CONTAINING ESTERS
John Leopold Speier, Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application July 2, 1948, Serial No. 36,811. In Great Britain August 26, 1947
2 Claims. (Cl. 260—448.2)

1. Compounds of the general formula

$$R_2Si(CH_2OOCCH_3)_2$$

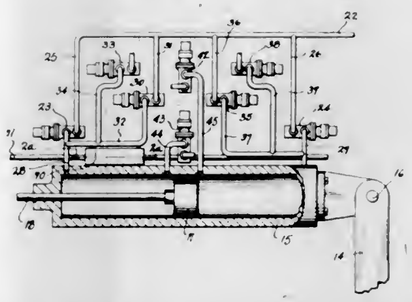
in which R represents hydrocarbon radicals of the group consisting of alkyl and monocyclicaryl radicals.

2,582,569
SILICON-CONTAINING ALCOHOLS
John Leopold Speier, Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application July 2, 1948, Serial No. 36,814. In Great Britain August 26, 1947
3 Claims. (Cl. 260—448.2)

1. Compositions of the general formula $R_nSi(CH_2OH)_{4-n}$ in which R represents hydrocarbon radicals of the group consisting of alkyl and monocyclicaryl radicals and n represents an integer from 1 to 3.

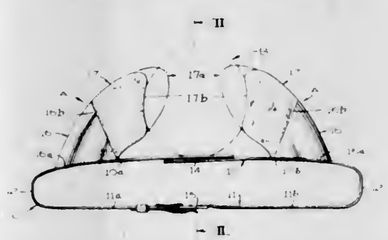
2,582,570
PRESSURE FLUID SERVOMOTOR AND VALVE SYSTEM THEREFOR
Clarence F. Terwilleger, Seattle, Wash.
Application February 14, 1949, Serial No. 76,331
3 Claims. (Cl. 121—38)

1. A servo-motor for shifting the control lever of the power transmission mechanism of an engine to position at opposite sides of a neutral setting for forward or reverse driving; said servomotor comprising a pressure cylinder, a piston reciprocally movable therein and a rod connecting said piston with the said lever for its actuation, a source of fluid pressure medium, a first and a second connection from said source of pressure medium into each of the opposite ends of the cylinder, a normally closed valve in each connection, a normally closed pressure exhaust valve for each of the opposite ends of the cylinder, pressure exhaust valves opening from the cylinder adjacent opposite sides of the neutral



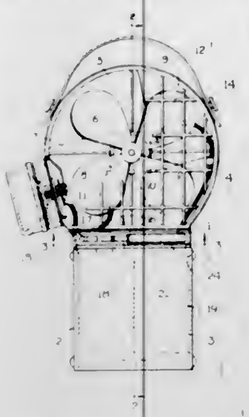
position of the piston therein, individual solenoids for the valves adapted when energized to move their respective valves to open position, electric circuits for the various solenoids, control switches connected with said circuits and selectively operable each to close circuits for opening a valve in one of said first connections to admit pressure medium to the corresponding end of the cylinder and to open the exhaust valve serving the other end of the cylinder, and other switches selectively operable, each to close the circuit for opening a valve in one of said second connections and to simultaneously open the opposite neutral position exhaust valve.

2,582,571
HEADREST
Ardis M. Thoma, Los Angeles, Calif.
Application January 31, 1950, Serial No. 141,423
3 Claims. (Cl. 155—174)



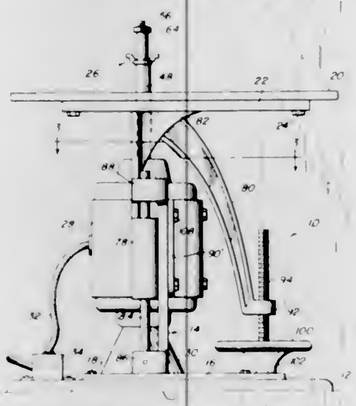
3. In a headrest of the character described: a band providing reaches designed to extend across the front and the rear surfaces, respectively, of a seat back; a pair of cushions having base portions disposed in spaced-apart relation with one another and secured to the front reach of the band; the outer ends of the cushions projecting toward each other and away from the front reach of the band to embrace opposite sides of a person's head introduced therebetween; the base portions of the cushions being disposed farther apart than the outer ends so as to give freedom to the back of the head and neck of the person for air to flow thereby.

2,582,572
ELECTRIC FAN
George C. Tulk, Toronto, Ontario, Canada
Application December 31, 1948, Serial No. 68,559
In Canada November 4, 1948
3 Claims. (Cl. 230—249.5)



1. A portable electric fan unit comprising a carrying case including a battery pocket, an integral fan housing arching above said pocket with a guard for the front thereof and a collapsible handle surmounting the top of the arch, a flashlight member on the outer side of said arched fan housing at least halfway down one side thereof and directed outwardly from the said side, a motor and fan assembly in said housing with the fan facing the inside of the housing guard, a battery in the pocket of the case and means for selectably connecting the same electrically with said flashlight member or said motor and fan assembly.

2,582,573
VERTICALLY ADJUSTABLE WORK HOLDER AND SUPPORT THEREFOR, INCLUDING MOTOR MOUNT
Albert Von Gunten, Eudora, Kans., assignor to Eudora Beltless Specialty Machine Co., Inc., Eudora, Kans., a corporation of Kansas
Application July 6, 1948, Serial No. 37,209
1 Claim. (Cl. 144—134)



A wood shaper comprising a base, a pair of uprights rising from the base and having upper and lower lateral projections, each of said projections having a vertical bore therein with the bores in the upper projections being in registry with the bores in the lower projections, a pair of guide bars extending through the bores in said projections and paralleling said uprights, a horizontal table, a substantially U-shaped frame depending from the table and including a pair of vertical legs, vertical guide sleeves carried by said legs and slidable on said bars between said upper and lower projections, a horizontal cross-member mounted on and extending between said uprights, a motor supported on said base and also supported by said cross-member, said motor including a vertical drive shaft, said table having an opening receiving said shaft, a vertical stud rising from the base, a hand wheel having a hub, said hub having a recess receiving said stud, an arm inclining downwardly from the frame and having a horizontal extension at its lower end overlying the hand wheel, said extension having a threaded aperture therein, and a threaded rod fixed to said wheel and threaded in said aperture.

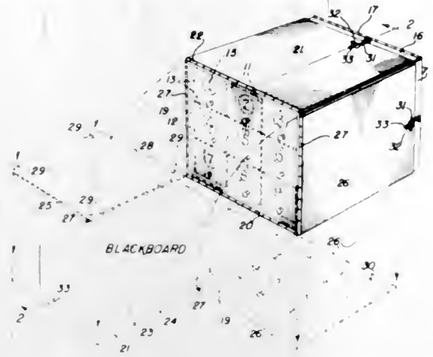
2,582,574
END THRUST TYPE ROTARY CUTTERHEAD
Harry D. Woodside, Lincoln Park, Mich.
Application November 29, 1948, Serial No. 62,587
2 Claims. (Cl. 144—219)



1. A rotary cutting and forming tool adapted to be used with a drill press, electric hand or similar drill comprising a one-piece body formed intermediate its ends into a substantially cylindrical elongated cutter head, formed at one end to provide a cylindrical driving shank, and formed at its opposite end into a pilot stem, the outer end of said pilot stem being screw threaded, a bushing fitting removably on said stem and bearing at its inner end against the adjacent end of the head, said bushing being of a length less than the length of the stem, and a clamping and assembling nut on the screw threaded end of said stem and engaging said bushing to hold the latter removably in place.

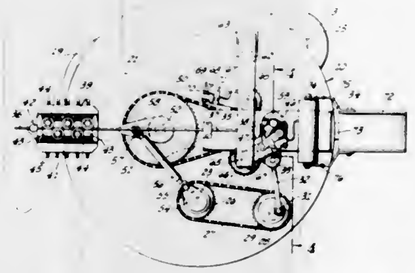
2,582,575
TOY CHEST
Israel Young, Brooklyn, N. Y.
Application September 20, 1950, Serial No. 185,807
3 Claims. (Cl. 35—60)

1. A toy chest comprising a rectangular cabinet closed at the top, bottom, back and sides and open at the front, drawers in said cabinet, a foldable wall structure including hinged sections respectively closable against the front and foldable over the sides and top of the cabinet, and means to detachably secure the sections of said foldable wall structure in place when so closed and folded, said foldable wall structure being adapted to be extended flat to a horizontal position in front of the cabinet, the sections closable against the front and foldable over



the top of the cabinet providing a blackboard when extended.

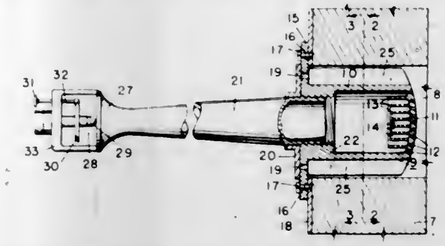
2,582,576
WIRE-FORMING MACHINE
Andrew Max Zweyer, Los Angeles, Calif., assignor, by mesne assignments, to Zig Zag Spring Co., a corporation of California
Application April 22, 1946, Serial No. 664,118
10 Claims. (Cl. 140—105)



6. In a wire-forming apparatus of the character described, a block having a pair of pins projecting therefrom in parallel relationship with the axis of the block, means to direct wire stock to be formed over said block between said pins, means to turn said block upon its axis, shifting one of said pins into engagement with one reach of the wire stock to advance said stock a predetermined distance over said block and move the other of said pins into engagement with a different reach of said stock to bend the latter around the first-mentioned pin.

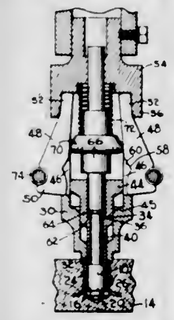
2,582,577
GAS-AIR BURNER PROVIDED WITH ANTI-FLASHBACK MEMBER
John S. Zink and Robert D. Reed, Tulsa, Okla.; said Reed assignor to said Zink
Application September 25, 1947, Serial No. 776,116
2 Claims. (Cl. 158—110)

2. A gas burner for furnaces comprising, a tubular member adapted to extend into a port of a furnace wall, a burner head closing an inner end of said tubular member, said burner head having ports therethrough circumferentially spaced from each other and arranged in a circle concentric of the axis of the tubular member, said burner head having additional ports therethrough circumferentially spaced from each other and arranged in a smaller circle concentric of the axis of the tubular member, a heat conducting collar rigidly secured in heat conducting relation to the inner face of the burner head with the axis thereof aligned with the axis of the tubular member and arranged intermediate the tubular member and the second circle of ports, a second heat conducting collar rigidly secured in heat conducting relation to the inner face of the burner head with the axis thereof



aligned with the axis of the tubular member, said second heat conducting collar being of smaller diameter than the second circle of ports, circumferentially spaced longitudinal heat conducting fins extending radially and outwardly from the periphery of the tubular member, a flange carried by the tubular member adapted to close the port in the furnace wall, said flange having openings therethrough communicating with spaces between said radial fins, and means for supplying a gaseous fuel and air mixture into the tubular member.

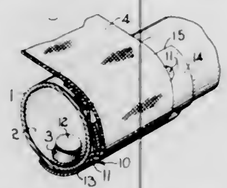
2,582,578
TRIGGERED FASTENER DRIVING TOOL FOR TWO-STEP OPERATION
Philip D. Becker, Hingham, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application March 7, 1950, Serial No. 148,143
4 Claims. (Cl. 218—19)



1. A driving tool for fasteners, comprising a hollow outer punch, an inner punch disposed therein for longitudinal movement relative to the outer punch, said inner punch having a longitudinal central opening, a trigger rod disposed in the central opening for longitudinal movement therein relative to the inner punch, said trigger rod normally extending a predetermined distance outwardly from the punch surface of said inner punch to receive a fastener device thereon, releasable means associated with the outer punch and the inner punch for transmitting downward forces from the outer punch to the inner punch, and means operated by said

trigger rod upon a predetermined upward movement of the trigger rod relative to the inner punch for releasing said releasable means so that after said predetermined upward movement of the trigger rod no downward forces are transmitted from the outer punch to the inner punch.

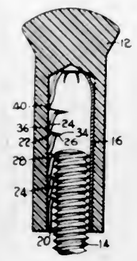
2,582,579
FASTENER
William A. Bedford, Jr., North Scituate, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application February 5, 1948, Serial No. 6,471
6 Claims. (Cl. 24—73)



1. A fastener member for attachment to a support having an arcuate apertured fastener-engaging surface comprising an elongated curved body of resilient sheet material having a concave support-engaging surface, the curvatures of different portions of which are generated about spaced centers whereby said portions are eccentrically disposed with relation to each other, means connecting said eccentrically disposed portions in laterally offset relationship such that an intermediate portion of said body is normally spaced outwardly from the arcuate surface of a support when the fastener is assembled therewith, a rigid tubular stud member connected to one of said portions adjacent a side of said fastener member and extending inwardly from the concave face thereof for cooperation with a support aperture, said stud member being so disposed with reference to said eccentrically disposed surfaces that the axis thereof extends obliquely to the axis of the support aperture when the fastener is assembled with the support thus effecting tensional engagement of the stud with the walls of said aperture at diametrically opposite sides of the stud, the portion of said body normally spaced outwardly from the surface of a support being provided with means to engage a part to be supported whereby a pull on said part will urge the body into tighter engagement with the surface of the support.

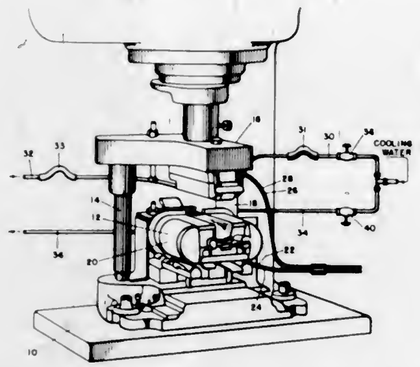
2,582,580
SLEEVE MEMBER FOR KNOB ASSEMBLIES
William Augustus Bedford, Jr., North Scituate, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application August 29, 1949, Serial No. 113,009
1 Claim. (Cl. 85—36)

A fastening device for assembly in an opening in a knob to receive a threaded shaft, said device comprising a hollow sheet metal cylinder open at the lower end thereof to receive a threaded shaft and having a longitudinal slot therein, extending from end to end to provide opposed adjacent edges, a plurality of tongues formed along one of said edges by slits extending inwardly from said one edge, the upper edge of each of said tongues being bent inwardly toward the axis of said metal cylinder to engage an inserted shaft between adjacent threads, the amount of inward bending of said upper edge being greatest at the upper free corner and decreasing gradually toward the point where the tongue joins the cylinder, the lower edge of each of said tongues being bent outwardly to engage the wall of the opening in the knob when the cylinder is inserted therein, the amount of outward bending of the lower edge being greatest at the lower free corner and decreasing gradually



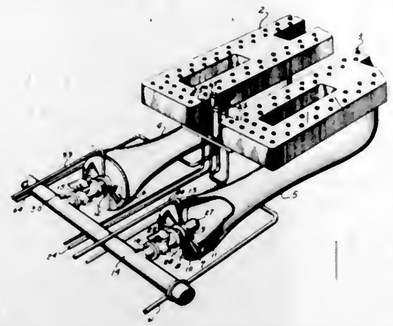
toward the point where the tongue joins the cylinder, and a pair of prongs adjacent the upper end of said cylinder on opposite sides of the slot extending downwardly and outwardly from the cylinder in the same general manner as the lower edges of the tongues but to a somewhat greater extent, said prongs being adapted to engage the wall of an opening in a knob to retain the metal cylinder therein pending insertion of a threaded shaft.

2,582,581
APPARATUS FOR JOINING ENDS OF THERMOPLASTIC FILM
George B. Bona, Bridgeport, Conn., assignor to Dictaphone Corporation, Bridgeport, Conn., a corporation of New York
Application September 9, 1948, Serial No. 48,512
5 Claims. (Cl. 154—42)



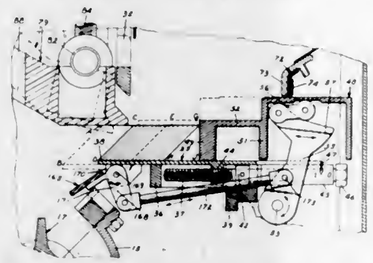
5. Apparatus for joining juxtaposed free ends of thermoplastic film, comprising a pair of cooperating pressure members for exerting pressure on opposite sides of said juxtaposed ends of said film, at least one of said pressure members including a base having an annular cooling channel formed therein and inlet and outlet connections for said cooling channel, a heating element centrally mounted on said base, a thin layer of mica overlying said heating elements and secured to said base, and a layer of metal foil overlying said mica and effectively secured to said base.

2,582,582
DUAL FUEL JET FOR DUAL FUEL BURNERS
Charles R. Bottom, Kansas City, Mo.
Application December 15, 1948, Serial No. 65,348
2 Claims. (Cl. 158—118)



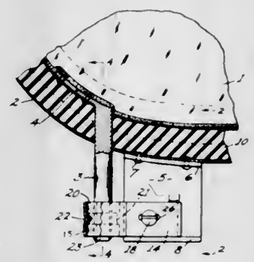
1. A dual fuel jet adapted to replace the jet in a gas burning apparatus which includes a burner having a mixing tube provided with a spider having a nozzle receiving opening and a gas supply manifold having an outlet connection in coaxial alignment with said nozzle receiving opening, said dual fuel jet including a one piece body member of generally cylindrical form and having a nozzle portion adapted for insertion in said opening of the spider and having a connection complementary with the connection of said manifold, said nozzle portion having an end face provided with individual orifices for discharge into said mixing tube of the burner and the body member being provided with separate passages respectively connected with the orifices with one of said passages extending through the body member of said jet to connect with the gas supply manifold, and a radial flange integral with said body member intermediate the nozzle portion and said complementary connection adapted to engage the spider, said collar having a radial passage connected with the other of the first named passages for supplying an auxiliary fuel independently of said gas supply manifold.

2,582,583
STOKER MECHANISM
Chester W. Bros, Edina, Minn., assignor to Wm. Bros Boiler & Manufacturing Co., Minneapolis, Minn., a corporation of Minnesota
Application January 24, 1949, Serial No. 72,443
7 Claims. (Cl. 214—18.3)



1. A sprinkler stoker mechanism comprising fuel supply means, a feed plate on which the fuel is delivered and along which said fuel is movable, a rotor horizontally situated below said supply means and of about the width of said plate for impelling into a combustion space granular fuel falling downwardly off of an edge of said plate onto said rotor, means movable along a fraction of the length of said plate towards said edge for moving towards said edge successive portions of fuel during successive time intervals spaced by periods of non-delivery, and for dropping said fuel off of said edge and along the entire width of said rotor, said fuel being moved from said supply means to said rotor to be impelled thereby and means for intercepting a part of each successive portion of fuel and for delivering said intercepted parts across the entire width of said rotor during said spaced periods of non-delivery, said means for intercepting comprising a tilting plate mounted adjacent the delivery end of said feed plate.

2,582,584
FRICTION DEVICE FOR HOLDING WIND WINGS OPEN
Harvey D. Carbiener, Elkhart, Ind., assignor to Excel Corporation, Elkhart, Ind., a corporation of Indiana
Application December 1, 1948, Serial No. 62,868
1 Claim. (Cl. 296—44)

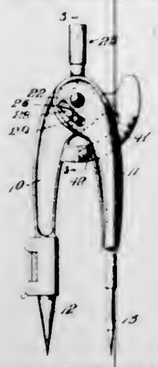


A spring friction tension device for holding the windows of pivoted ventilating window constructions open at different angles, which window constructions comprise a sash, a frame and a pivot pin extending edgewise from the sash in the plane thereof through the frame; said device comprising a bracket in the form of a plate depending from the frame and secured at one edge thereto and located in the plane of the frame adjacent the pivot pin, a cylindrical plug on the pivot pin and secured thereto to rotate as a unit therewith, a friction spring band carried by the bracket and enclosing the plug in frictional contact therewith, the plug being formed with a circumferential groove, and the band being provided with an offset extending into the groove, and means for securing the band to the bracket and closing the same with more or less friction on the plug.

2,582,585
COMPASS
Frederick De Cesaris, Johnston, R. I., assignor to James Manufacturing Co., Inc., a corporation
Application March 20, 1947, Serial No. 735,839
11 Claims. (Cl. 33—149)

1. A compass comprising, a pair of leg members having portions overlying each other with a leaf having a handle extending therefrom located between said overlying portions, a pivot pin extending through said members and leaf to pivotally relate said members and means to maintain said handle in a position the line of which bisects the angle formed between said legs as movement about said pivot occurs comprising a radial slot in said leaf, similarly oppositely positioned cam-

ming surfaces crossing said slot and a member having circular cross section in said slot and en-



gaging said camming surfaces and freely rotatable about a plurality of axes within itself.

2,582,586
PATIENT HANDLING ATTACHMENT FOR BATHTUBS
Carlos V. Dorr, San Francisco, Calif.
Application February 28, 1948, Serial No. 11,900
7 Claims. (Cl. 4—185)

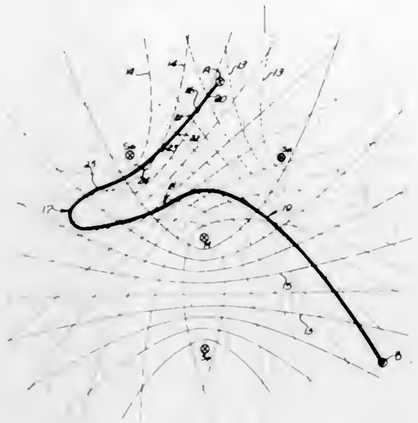


1. In a bath apparatus of the character described, a vertical post, means for securing said post to a wall adjacent one end of a bathtub, a cylinder coaxial with said post slidably and rotatably carried by the latter, means for causing upward movement of said cylinder on said post including a piston secured to said post within said cylinder and an inlet for fluid under pressure communicating with the space between said piston and the upper end of said cylinder, a head on said cylinder in sealing sliding engagement with said post, and a seat carried by the lower end of said cylinder for movement therewith, said seat being offset to one side of said cylinder for swinging from a position over the end of said tub adjacent thereto to a position over one side of said tub when said cylinder is elevated and rotated on said post.

2,582,587
N-ALKYLAMINOPROPIOPHENONES
Edward L. Engelhardt, Collingdale, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application August 9, 1949, Serial No. 109,412
4 Claims. (Cl. 260—570.5)

1. A compound chosen from the group consisting of 3,4-dihydroxy-α-isopropylaminopropiophenone and its acid addition salts.

2,582,588
TRACK CONTROL UNIT
Edward Fennessy, Orpington, Graham E. Roberts, Stoneleigh, and Raymond Calvert, New Malden, England
Application August 11, 1947, Serial No. 767,872
In Great Britain August 12, 1946
9 Claims. (Cl. 250—2)



3. In a track control unit for use with a mobile vehicle equipped with a radio navigational aid having a pair of coordinate position indicators, the combination of: a recording medium having recorded thereon material representative of successive values of position coordinates defining a planned journey of said vehicle; drive means coupled to one of said position indicators for moving said recording medium in correspondence with the changing values of a first coordinate indicated by said indicator; and registering means coupled to said drive means for registering and indicating the movement of said recording medium to thereby indicate the distance travelled by said vehicle with reference to said planned journey.

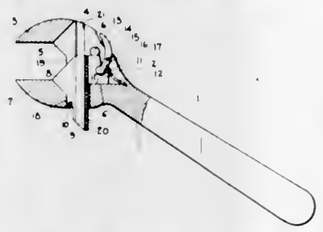
2,582,589
VITAMIN B_{12} PURIFICATION PROCESS
Howard H. Fricke, Waukegan, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application May 13, 1949, Serial No. 93,202
1 Claim. (Cl. 167—81)

In the process of purifying a crude Vitamin B_{12} concentrate obtained from a *Streptomyces griseus* fermentation culture medium, the steps which comprise: concentrating under vacuum a filtered fermentation culture medium to at least about 1/6 volume; adding acetone to the concentrated medium to form about a 50% solution, to precipitate a portion of inert matter; filtering off the inert matter; adding acetone to the filtered solution to increase the acetone concentration to at least about 70%, to precipitate crude Vitamin B_{12}; filtering to recover the Vitamin B_{12} precipitate, dissolving the recovered precipitated Vitamin B_{12} in the minimum amount of water to form a solution; and adding iso-propanol to the reconstituted Vitamin B_{12} solution to form at least about a 70% iso-propanol solution, to precipitate purified Vitamin B_{12}.

2,582,590
METHOD OF MAKING MAGNETIC MATERIAL
Martin H. Heeren and Marvin Camras, Chicago, Ill., assignors to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 15, 1946, Serial No. 690,837
1 Claim. (Cl. 117—169)

The method of making a permanent magnet material which includes impregnating a fibrous organic absorbent base material with ferrous sulphate and then placing it in a boiling solution of sodium hydroxide having potassium nitrate therein.

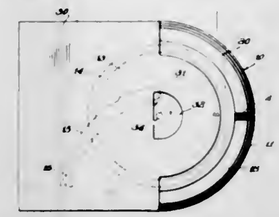
2,582,591
LATCH FOR SLIDABLE SIDE JAW WRENCHES
Maxwell K. Hicks and Arthur G. Hicks, Denver, Colo.
Application June 26, 1950, Serial No. 170,398
1 Claim. (Cl. 81—145)



In an adjustable wrench, an enlarged head, a fixed jaw extending from the head, a slotted guide in the head, oppositely disposed reduced slots on two sides of the slotted guide, a rack slidably carried in the slotted guide, a reduced toothed web on one side of the rack and positioned in one of the reduced slots, a second reduced web carried by the opposite side of the rack and positioned in the other reduced slot, a jaw carried by the last mentioned web, an exterior bearing surface on the enlarged head, a bearing surface on the jaw adapted to ride the exterior bearing surface on the enlarged head, the rack bearing aganist the slotted guide at the reduced slots therein, a reduced slot extension in the enlarged head, a flat surface in the reduced slot extension transverse to the slotted guide in the head, a pin spaced from the flat surface and having a flat portion parallel to said flat surface, a rack lock positioned in the enlarged head and slidable between the flat surface in the reduced slot and the flat portion on the pin, a rack lock lever operatively connected to the rack lock and having a portion thereof extending from the enlarged head, a spring normally urging the rack lock into engagement with the rack to lock the second mentioned jaw in immovable adjusted relation to the fixed jaw, pressure on the rack lock lever releasing the rack lock from the rack and permitting free slidable movement of the rack and the jaw carried thereby.

2,582,592
PHONOGRAPH MECHANISM
Benedict R. Kamler, South Haven, Mich., assignor to Edward Gray, Chicago, Ill.
Application August 30, 1946, Serial No. 693,832
9 Claims. (Cl. 274—9)

5. In phonograph mechanism, in combination, a turntable having a center shaft journalled for rotation on a vertical axis, a tone arm for playing a record on the turntable, means located rearwardly of the turntable for mounting the tone arm for universal movement whereby the tone arm may oscillate to swing over the turntable and return and may move vertically for lifting and lowering movement with respect to said record, canopy means substantially semicircular in extent and including two arcuate sections disposed concentrically with respect to the turntable and adapted to move about said vertical axis to and from open and closed positions, said arcuate sections in closed position being located in front of the turntable and in open po-



sition being located rearwardly of the turntable between the same and the tone arm, means for actuating said arcuate sections including a reciprocating member, driving means for reciprocating said member, other means for oscillating the tone arm and for raising and lowering the same with respect to the record, said other means including a rod mounted for rotation about a vertical axis and for movement vertically, and mechanism receiving actuation from said reciprocating member for effecting raising and lowering movement of the rod and rotation of the same.

2,582,593
COMPACT
Saul Kramer, Brooklyn, N. Y., assignor of one-fourth to Charles M. Palmer, Washington, D. C.
Application April 29, 1948, Serial No. 24,020
3 Claims. (Cl. 88—92)



1. In a device of the character described, a closure for a compact comprising a wall having a peripheral rim including an opening, an insert attached to and within said closure and defining therewith a compartment, a slidably guided frame within and movable into and out of said compartment and comprising channeled sides and a backing integral with said sides and having spaced slots, a mirror fixedly retained between said sides and bodily movable with said frame through said opening, and a U-shaped resilient strap having wings threaded into said slots and having a bowed portion extending towards and cooperating with said wall to resist accidental slidable displacement of said frame relative to said closure.

2,582,594

MATERIALS PRODUCED FROM A POLYETHYLENE MELAMINE

Edward L. Kropa, Old Greenwich, and Henry P. Wohnsiedler, Darien, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 25, 1950, Serial No. 197,637
20 Claims. (Cl. 260—2)

1. A composition comprising the product of reaction of ingredients comprising (1) a polyethylene melamine which is a polyamino-s-triazine wherein at least two of the amino nitrogen atoms each has one ethylene group attached thereto instead of the two hydrogen atoms and (2) a different nitrogenous compound containing a radical represented by the formula



where R represents a member of the class consisting of hydrogen and hydroxyhydrocarbon radicals and R′ represents a member of the class consisting of hydrogen, hydrocarbon radicals and hydroxyhydrocarbon radicals, any other elements of the said nitrogenous compound of (2), in addition to those present in the aforementioned radical represented by the formula



consisting solely of elements of the class consisting of carbon, hydrogen and oxygen, and the ingredients of (1) and (2) being employed in molar proportions ranging from 1:10 to 10:1.

2,582,595

ADJUSTABLE TONGUE FOR MOTORLESS VEHICLES

Chester I. Leveke, Des Moines, Iowa

Application October 31, 1949, Serial No. 124,657
5 Claims. (Cl. 280—33.44)



2. In a device of the class described, a frame member, a housing member pivotally secured at one end to said frame member, an elongated tongue member adjustable as to length at one end and pivotally secured at its other end within said housing member; said tongue member capable of lateral movement and also capable of vertical movement, a means to restrict the lateral movement of said tongue, a manually operable cradle means to restrict the vertical movement of said tongue, a means for adjusting said tongue member as to length and a hitch means secured to the free end of said tongue member.

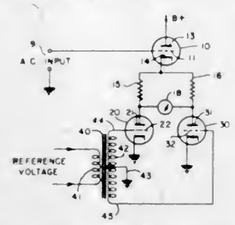
2,582,596

PHASE DETECTOR CIRCUIT

Duncan MacRae, Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application April 17, 1946, Serial No. 662,684
3 Claims. (Cl. 172—245)

1. A phase detector circuit comprising an electron tube having at least a grid, a cathode and an anode, said anode being connected to a point of fixed positive potential, first and second voltage operated switch means, each switch means having a conducting state and a non-conducting state, first resistive means connecting said cathode to a point of fixed reference potential through said first switch means, second resistive means connecting said cathode to said point of reference potential through said second switch means, a direct-current meter connected between said ends of said resistor means remote from said cathode, means connecting a periodic



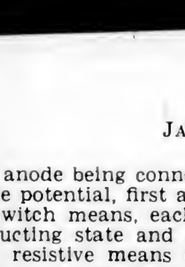
voltage to said switch means whereby one of said switch means is in a said conductive state while the other of said switch means is in said non-conductive state and whereby said switch means alternate between said conductive state and said non-conductive state, the characteristics of said switch means being substantially independent of the characteristics of said periodic voltage when in either of said two states, and means for coupling an input signal to said control grid whereby said meter provides an indication of the relative phase of said input signal and said periodic voltage.

2,582,597

REEL

William McCaskie, New Bedford, Mass., assignor to William McCaskie, Inc., a corporation of Massachusetts

Application January 15, 1949, Serial No. 71,161
3 Claims. (Cl. 242—118)



1. A reel comprising a barrel having non-metallic heads at the ends thereof, said heads each having a narrow metal band serving as a reinforcing tire about the peripheral edge thereof said band being flat with flanges clamped to the inner and outer faces of the head, said band being outwardly deflected from said flat surface between said flanges to provide a radially extending rib spaced from the edge of the head.

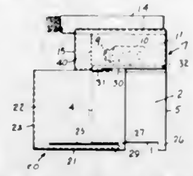
2,582,598

SMOKING ACCESSORY

Wayne McGuire, Berkeley, Calif.

Application February 15, 1947, Serial No. 728,883
8 Claims. (Cl. 131—234)

4. A smoking accessory including a lighter body having an elongated bottom wall; a pair of opposed end walls and a pair of opposed side walls extending upwardly from the end and side edges of said bottom wall respectively; a cap positioned over the upper end of said body formed with a depression for supporting a cigarette with one end of the latter projecting across and outwardly of the upper edge of one of said end walls;



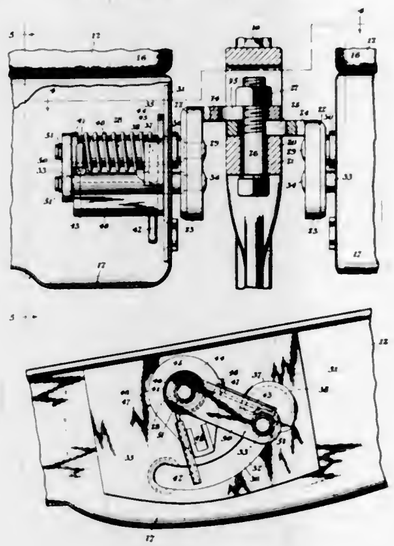
an ash tray below said body carried by the latter; sidewalls extending upwardly from said ash tray, said sidewalls and said one end wall defining a vertically extending passageway for conducting ashes that may drop from the projecting end of said cigarette into said ash tray.

2,582,599

SEAT MOUNTING FOR THEATER CHAIRS OR THE LIKE

Walter E. Nordmark, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

Application August 6, 1947, Serial No. 766,500
9 Claims. (Cl. 155—86)



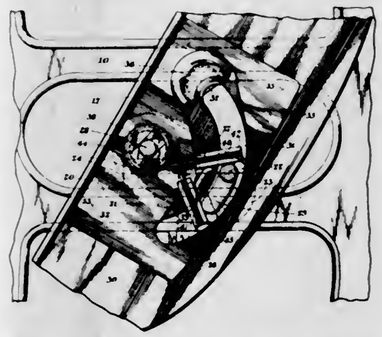
4. In a chair structure: a pair of standards having horizontal web portions with vertical openings therein; seat brackets having horizontal portions with vertical openings therein; fastening means passing vertically through the opening in each standard's web portion and through the opening in a seat bracket for securing a bracket to each standard; trunnions on said seat brackets extending mutually inwardly; a seat comprising a seat cushion mounted upon an enclosed seat pan, said pan having its opposite side walls journalled on said trunnions and said side walls having aligned arcuate slots concentric with said trunnions; studs on said brackets extending mutually inwardly through said slots and adapted to engage the ends of the slots for limiting swinging movements of the seat on the trunnions to positions wherein the seat is lowered for occupancy or raised for non-occupancy; spring means disposed within the seat pan and interconnecting the seat and a stud for normally urging the seat upwardly from its lowered position and downwardly from its raised position so that the normal position of said seat is intermediate said lowered and raised positions.

2,582,600

SEAT MOUNTING FOR THEATER CHAIRS OR THE LIKE

Walter E. Nordmark, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

Application January 5, 1949, Serial No. 69,396
1 Claim. (Cl. 155—85)



In a chair structure: a pair of standards; a seat bracket mounted on each standard; trunnions on said brackets extending mutually inwardly; a seat having its opposite side walls journalled on said trunnions and one of said side walls having an arcuate slot therethrough concentric with the adjacent trunnion; a stud on the adjacent bracket extending inwardly through said slot and adapted to engage the ends of the slot for limiting swinging movements of the seat on the trunnions to positions wherein the seat is lowered for occupancy or raised for non-occupancy; a cylindrical coil spring surrounding said trunnion and having its opposite end portions projecting tangentially to normally press against opposite sides of said stud; a plate secured to said side wall of the seat and having a bearing opening through which passes said trunnion and another opening coinciding with the arcuate slot in said side wall, said plate having a portion thereof flanged laterally to form an arm on the seat extending inwardly between the projecting end portions of said coil spring and normally confined therebetween for maintaining the seat in a neutral position intermediate its lowered and raised positions, said spring's end portions being respectively yieldable to move with said arm during the respective manual raising and lowering movements of the seat and being respectively adapted to press against said arm on opposite sides thereof for returning the arm and the seat to their neutral positions.

2,582,601

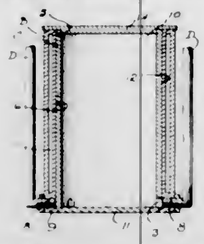
MULTIPLE LIQUID PROCESSING CONTAINER

Frank Palik, Kensington, Md.

Application April 18, 1947, Serial No. 742,484
2 Claims. (Cl. 137—21)

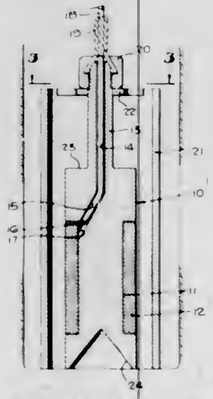
1. A multi-stage processing apparatus for treating material in turn with a plurality of liquids, including an outer container having a side wall provided with a substantially cylindri-

cal inner surface, an upwardly-opening mouth opening to said surface, and a plurality of spaced-apart bores extending from the exterior to the interior of said container; an inner container including a bottom wall and side wall secured to the bottom wall defining a material-receiving and treating chamber, said last-named side wall having a substantially cylindrical outer surface in sliding contact with said inner surface, an upwardly-opening mouth to said chamber, said mouths being axially aligned, and a single open-



ing in the lower portion only of said last-named side wall constructed and arranged, upon rotation of one of said containers, to align with one and then another of said bores, said opening extending from said chamber to said outer surface; means to rotate one of said containers; separate means connected with each of some of said bores to conduct a separate liquid to each of said some of said bores; and separate means connected with each of the other of said bores to conduct a separate liquid from each of said other of said bores.

2,582,602
MAGNETIC FISHING TOOL
Jesse A. Paysinger, Cuyama, Calif., assignor of thirty-five per cent to Lennie E. Scurlock, Maricopa, Calif.
Application June 17, 1949, Serial No. 99,613
1 Claim. (Cl. 294—88)



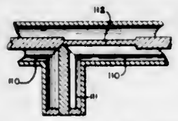
A magnetic fishing tool comprising a core having an external groove thereon, a winding disposed in the groove, bores in the core, leads in the bores connected to the winding, the core having a reduced stem adjacent the upper end thereof, means at the top of the stem for attaching the core to a cable containing conductors, a bonnet, having a spider slidable on the stem, adapted to assume an uppermost position wherein its bottom edge is substantially even with the bottom of the core and a lowermost position wherein the bottom edge of the bonnet extends downwardly below the bottom of the core, the bottom of the core being internally coned.

2,582,603
CIRCUIT FOR NEUTRALIZATION OF FREQUENCY DIVIDER CHAINS
John K. Phelan, Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application January 5, 1946, Serial No. 639,281
3 Claims. (Cl. 250—36)



1. A frequency dividing circuit comprising a plurality of synchronized blocking oscillators connected in series, each of said oscillators including an electron tube having at least a grid and a cathode, an output circuit associated with said cathode and a frequency controlling circuit associated with said grid; said series connection comprising, resistive coupling means coupling the output circuit of each oscillator in said series to the frequency controlling circuit of the following oscillator of said series and second resistive coupling means coupling the end of each of said first resistive coupling means associated with said output circuit to the output circuit of the following oscillator in said series whereby the effect of each oscillator in said series on the preceding oscillator in said series is minimized and means for applying a synchronizing signal to the frequency controlling circuit of the first oscillator in said series.

2,582,604
APPARATUS FOR BROAD-BAND RADIO TRANSMISSION
Robert V. Pound, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Original application February 8, 1943, Serial No. 475,149. Divided and this application August 10, 1948, Serial No. 43,526
13 Claims. (Cl. 178—44)

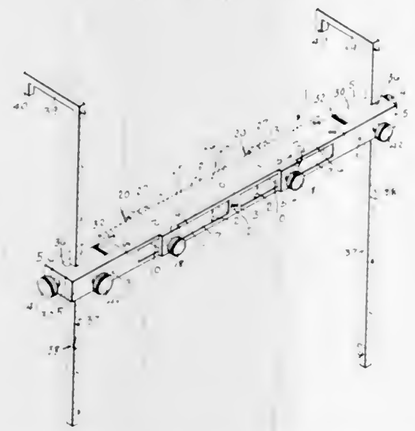


1. Apparatus including a resonant element coupled to a coaxial line and having reduced frequency sensitivity, which apparatus includes a resonant transformer formed, at least in part, of a portion of said coaxial line located nonsymmetrically in the proximity of said resonant element.

2,582,605
CONDENSATION OF BETA-HYDROXYETHYL SULFIDES WITH COMPOUNDS CONTAINING HYDROXYL GROUPS
Frederick P. Richter, Woodbury, N. J., and Ebenezer E. Reid, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application August 19, 1947, Serial No. 769,542
16 Claims. (Cl. 260—608)

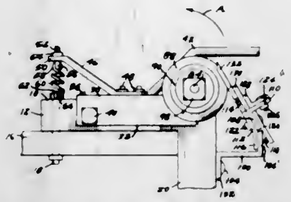
1. A process which comprises contacting an organic compound containing at least one hydroxy group which is beta to a sulfur atom and not more than two adjacent sulfur atoms, which is free of substituent groups that are more reactive than said hydroxy group which is beta to a sulfur atom with respect to the hydroxy radical referred to hereinafter, with an organic compound containing at least one hydroxy radical, which is free of a hydroxy group which is beta to a sulfur atom and of substituent groups that are more reactive than said hydroxy radical with respect to said hydroxy group which is beta to a sulfur atom, in proportions falling within the range varying between about 0.5 mole and about 10 moles of said organic compound which is free of a hydroxy group which is beta to a sulfur atom to one mole of said organic compound containing at least one hydroxy group which is beta to a sulfur atom, in the presence of a dehydration catalyst, and at a temperature varying between about 130° C. and about 200° C.

2,582,606
DRAWER PULL GAUGE
Don Riddle, Fairfax, Calif.
Application August 19, 1947, Serial No. 769,506
4 Claims. (Cl. 33—180)



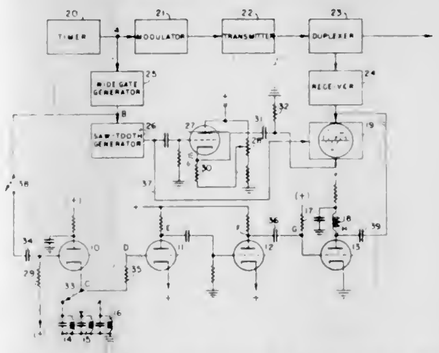
1. A drawer pull gauge for designating the correct spacing and positioning of a pair of spaced drawer pull attaching elements on the front wall of a drawer comprising, a horizontally elongated member, a pair of pointed markers carried by said member for movement relative to each other longitudinally of the said member and with the points on said markers projecting from the same lateral side of said member, means for releasably securing said markers to said member in adjusted position relative to each other, positioning means in said member adapted to engage over one of the horizontally extending edges of said wall when said markers are in a position against a side of said wall, means for adjustably securing said positioning means to said member for movement to various distances from said member for varying the distance of said markers from said horizontal edge of said wall, pivot means securing said positioning means to said member for swinging said positioning means to a position alongside said member, said positioning means being slidably secured in said pivot means for angularly positioning said member with respect to a horizontal plane as desired with said positioning means extending vertically.

2,582,607
MOWER TEETH SHARPENER
August W. Rinne, Steinauer, Nebr.
Application December 28, 1949, Serial No. 135,353
2 Claims. (Cl. 51—33)



1. In a cutter bar blade sharpener, the combination which comprises a horizontally disposed platform having side rails adapted to be positioned on the upper surface of a work bench and having vertically disposed posts on the outer ends of said rails, a vertically swinging horizontally disposed frame positioned above the platform and also having spaced side rails, means pivotally attaching the side rails of the frame to the side rails of the platform providing the vertical swinging action of the frame, an upwardly inclined arm carried by the frame, a spring connecting the extended end of the arm to the platform, a shaft journaled on the said swinging frame, a grinding wheel having a V-shape peripheral surface carried by the shaft, a shelf mounted on the said posts, extended outwardly therefrom, and positioned parallel to the axis of the said shaft, an angle iron bar guide having two arms and mounted on the outer edge of the shelf and positioned with one arm inclined upwardly and inwardly from the outer edge of the shelf, and spaced guide members extended upwardly and inwardly from the said bar guide, said guide members being spaced to receive a cutter bar and positioned whereby cutting edges of blades carried by the cutter bar are inclined inwardly for engagement with the grinding wheel.

2,582,608
RANGE MARKER GENERATOR
Chalmers W. Sherwin, Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application January 4, 1945, Serial No. 571,318
11 Claims. (Cl. 315—24)



1. A means for producing a sequential series of time markers on the sweep of a cathode ray tube, comprising a tuned circuit, means for normally flooding said tuned circuit with current, means for interrupting said current flow in syn-

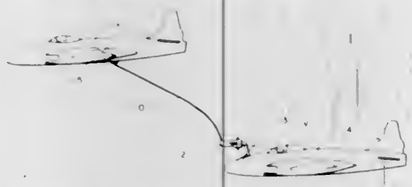
chronism with the initiation of the sweep line on said cathode ray tube to thereby shock excite said tuned circuit into oscillations, means for transforming said oscillations into a series of equally time spaced impulses, and means for applying said impulses to the sweep of said cathode ray tube.

2,582,609

MEANS FOR FUELING AIRCRAFT IN FLIGHT

Frederick I. Steele, Columbus, Ohio, assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application March 30, 1949, Serial No. 84,330
12 Claims. (Cl. 244—135)



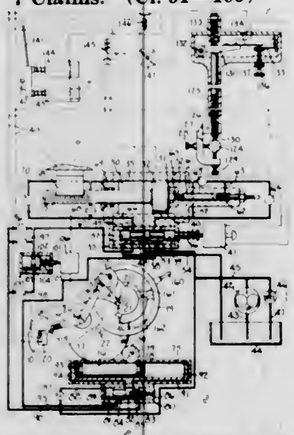
1. Means for transferring fluid from a supply aircraft to a receiving aircraft comprising: a first tubular member adapted to extend from one aircraft and a second tubular member on the other aircraft, a coupling device comprising a first section carried by said first member and a complementary section on said second member said coupling device being responsive to contact of said sections to secure them together, means mounting said second member for movement between a retracted position and an extended position wherein said complementary section is disposed substantially in the field of forward vision of a pilot of said other aircraft, and power operated means for effecting extension and retraction of said second member, said power operated means comprising an extensible hydraulic strut, and resilient means associated with said strut to absorb impact loads incident to engagement of said sections.

2,582,610

GRINDING WHEEL FEEDING MECHANISM

Homer L. Swainey, Cleveland, Ohio, assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application December 9, 1950, Serial No. 199,985
7 Claims. (Cl. 51—165)



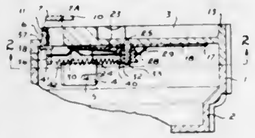
1. In a grinding machine having a transversely movable wheel slide, a rotatable grinding wheel thereon, a feeding mechanism to feed said slide, a rotatable feed wheel therefor, an adjustable stop abutment on said feed wheel, a movably mounted stop pawl positively to limit rotation of the feed wheel, power operated means to actuate said feeding mechanism, means to control said power means to produce a grinding feed, means to control said power means to produce a finishing feed, means including a limit switch actuated by said stop pawl before the stop abutment engages said pawl to render said grinding feed control means inoperative so as to reduce the infeed to a predetermined finishing feed, and means including a sizing head having a movable contact member in engagement with the workpiece being ground to move the grinding wheel to an inoperative position when the workpiece has been ground to a predetermined size.

2,582,611

ASH TRAY

William George Vasey, New Westminster, British Columbia, Canada

Application April 10, 1945, Serial No. 587,566
7 Claims. (Cl. 131—233)



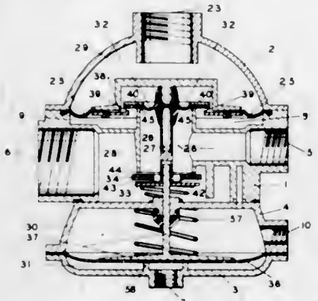
1. An ash tray having an ash receiver and a cover, a vertical sleeve having a passage communicating with the ash receiver and adapted to receive the burning end of a cigarette, a knife carrying structure mounted under the cover, a knife, a keeper for securing the knife to said structure, said knife being adapted to sweep across the passage to sever the tip from the cigarette, and a step carried by the keeper to limit the movement of the cigarette through said passage.

2,582,612

TRAILER RELAY VALVE FOR VACUUM BRAKES

Norman C. Williams, Portland, Oreg., assignor to Power Brake Equipment Co., Portland, Oreg., a company

Application March 15, 1948, Serial No. 14,983
5 Claims. (Cl. 303—31)



1. A vacuum brake relay valve comprising a body, flexible diaphragm walls therein forming boundaries of an atmosphere power chamber, at one end of said body, a control chamber opposite said atmosphere chamber spaced therefrom, rigid wall bounding a suction chamber, a brake operating chamber and an auxiliary reservoir chamber

between said diaphragms, a lost motion valve stem between said diaphragms with the lost motion parts arranged to abut upon contact by control, said suction chamber provided with inlet and opposite suction outlets, control valves on said outlets, the said valves being coaxial with and mounted on said valve stem, with the lost motion device between the said valves.

2,582,613

PRODUCTS OBTAINED FROM A POLYETHYLENE MELAMINE

Henry P. Wohnsiedler, Darien, and Edward L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 25, 1950, Serial No. 197,638
17 Claims. (Cl. 260—47)

12. A composition comprising the product of reaction of ingredients comprising (1) a polyethylene melamine which is a polyamino-s-triazine wherein at least two of the amino nitrogen atoms each has one ethylene group attached thereto instead of the two hydrogen atoms and (2) phenol.

2,582,614

REACTION PRODUCTS OF INGREDIENTS COMPRISING A POLYETHYLENE MELAMINE AND AN ETHYLENE UREA

Henry P. Wohnsiedler, Darien, and Edward L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 25, 1950, Serial No. 197,640
13 Claims. (Cl. 260—2)

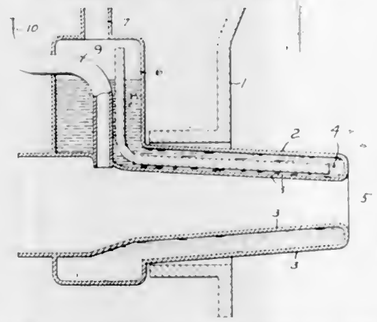
1. A composition comprising the product of reaction of ingredients comprising (1) a polyethylene melamine which is a polyamino-s-triazine wherein at least two of the amino nitrogen atoms each has one ethylene group attached thereto instead of the two hydrogen atoms and (2) an ethylene urea wherein an ethylene radical replaces the two hydrogen atoms attached to the nitrogen atom of an amide grouping and, together with said nitrogen atom, forms a three-membered ring, the ingredients of (1) and (2) being employed in molar proportions ranging from 0.1:10 to 10:0.1.

2,582,615

TUYÈRE CONSTRUCTION WITH COOLING AND STEAM FEEDING MEANS

George H. Wolfe and Dorothy E. Mackenzie, Reno, Nev.

Application August 7, 1946, Serial No. 688,882
7 Claims. (Cl. 110—182.5)



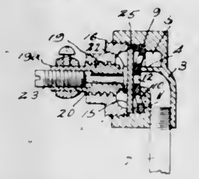
1. A tuyère comprising a cylindrical metallic body formed with an outer annular cooling jacket terminating at one end in an enlarged chamber extending upwardly to a level above the level of the tip of the tuyère, metallic heat conduction elements mounted in said cooling jacket extending down through said enlarged chamber and into said cooling jacket forward substantially to the end of said tuyère, and a filling of metallic material possessing a low melting point in the cooling jacket.

2,582,616

SCREW CONTROLLED BALL COCK FOR TANKS

Maximilian W. Wuesthoff, Los Angeles, Calif.

Application April 4, 1949, Serial No. 85,305
1 Claim. (Cl. 137—104)



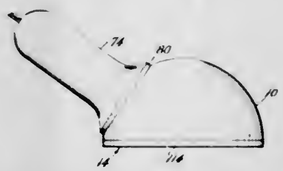
An anti-syphoning valve device of the class set forth having a casing including a discharge compartment, a coaxial, water inlet nipple in said compartment and an annular outwardly facing seat on the bore of the compartment shell wall and concentric with and axially rearward of the rim of said nipple, a crowned, discal rubber packer flexed over and constantly seated on the nipple rim and lodged at its perimeter on said seat, said packer having a central port within the nipple rim and having other openings communicating to the discharge compartment, a transverse flexible valve diaphragm normally centrally seating on the crown of said packer and closing said port to a coaxial gland screwed into one end of the shell and engaging the adjacent margin of the diaphragm and a ring interposed between the diaphragm and the packer for clinching said packer and the margin of the diaphragm firmly in place against said seat in the shell, a float actuated presser screw movable axially in said gland for forceably closing the diaphragm against said packer and, reversely for releasing it to permit water flow from the nipple and said port to the discharge chamber, via said openings.

2,582,617

COMBINATION HEATER AND VIBRATOR

William August, New York, N. Y., assignor, by direct and mesne assignments, to Ben Lee Products, Inc., a corporation of New York

Application July 11, 1947, Serial No. 760,194
4 Claims. (Cl. 128—24.1)



1. A therapeutic device comprising a housing having a chamber formed therein, a laminated electromagnetic core supported in said chamber, a coil disposed on a leg of said core and connectable to a source of alternating current, an armature floatingly supported in said chamber, spring means normally biasing said armature away from said magnetic core and adapted, under the influ-

ence of said electromagnet, to be alternately drawn toward said core against said spring bias, whereby vibrations are caused, a metal plate closing said chamber and adapted to be placed directly against the body surface so as to conduct both vibration thereto and also to conduct heat generated in said core, armature and coil to the selected body surface, said housing having an opening formed therein for communication with said chamber, a handle having one end reduced to extend into and to securely engage said opening and having an axial bore extending through said handle, the lead wires for connecting said coil to the alternating current power source extending through said handle.

2,582,618
PIPE AND CIGAR HOLDER ATTACHMENT
Jack L. Barbara, Port Jervis, N. Y.
Application August 29, 1949, Serial No. 112,885
2 Claims. (Cl. 131—228)



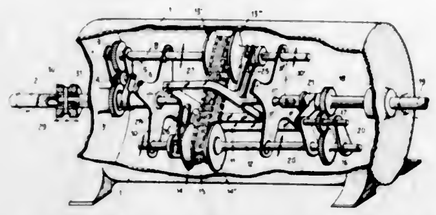
1. In combination with a smoker's article stem having an enlargement at one end thereof, a removable attachment for the end of the stem, said attachment comprising a tubular member or tube having a longitudinal slit in one wall thereof, with spaced edges of said tubular member defining said slit, raised portions intermediate the ends of said edges of the tubular member adapted to be disposed over the top and bottom of the enlargement on the stem, the material of the tube on each side of the tube raised portions being disposed over the inside edge of the stem enlargement, a smoke passage in each end portion of the tubular member, a transverse divider in said tubular member intermediate the ends thereof comprising an inwardly extending protuberance, diametrically opposite from said raised portions dividing said tube into said smoke passages to separate the smoke into two streams for flow through the passages and the open ends of said tube, and said enlargement in said tube constituting moisture collection pockets.

2,582,619
FISHING BOBBER
William Blockinger, West St. Paul, Minn.
Application May 10, 1948, Serial No. 26,142
1 Claim. (Cl. 43—44.9)



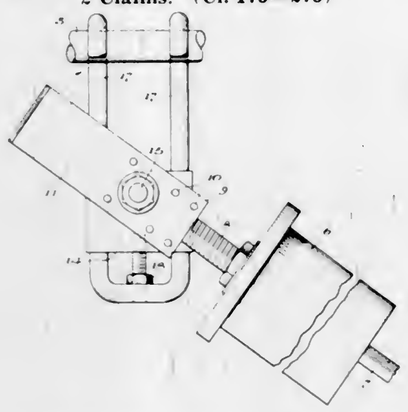
A fishing bobber comprising an elongated and compressible buoyant body having an axial bore and a slit communicating with said bore, a channeled U-shaped guide positioned in said bore, and communicating with said slot, means carried by said guide for securing the same to said body, and line retaining means forming a part of the guide and disposed exteriorly of said body, said last mentioned means including a pair of plate-like resilient tongues having longitudinally extending grooves, the walls of which normally engage each other.

2,582,620
VARIABLE-SPEED GEARING
Giuseppe Colucci, Naples, Italy
Application September 13, 1948, Serial No. 48,970
In Italy September 15, 1947
9 Claims. (Cl. 74—793)



1. In a variable speed gearing, a fixed casing, a driving and driven shaft mounted in alignment on the opposite sides of said casing, a rotatable support fixed to said driving shaft, two secondary shafts parallel with said driving shaft and rotatably mounted on opposite ends of said support, said secondary shafts being free to perform limited radial displacements with respect to the central axis of said gearing, a driving variable diameter pulley operatively mounted on the first secondary shaft, a driven variable diameter pulley operatively mounted on the second secondary shaft, an endless member cooperating with said pulleys, means for driving the first secondary shaft from said driving shaft, means for transmitting the motion from the second secondary shaft to the driven shaft, and means for varying the effective diameters of said pulleys in order to change a speed ratio between said secondary shafts.

2,582,621
ELECTRICAL CONNECTOR OF THE TROLLEY TAP TYPE
John Francis Conrad, Ebensburg, Pa., assignor to Deltron Electric Products, Inc., Ebensburg, Pa., a corporation of Pennsylvania
Application May 1, 1950, Serial No. 159,335
2 Claims. (Cl. 173—273)



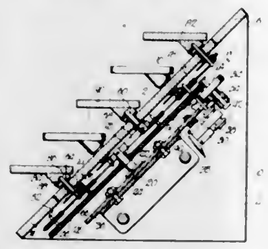
1. An electrical connector of the trolley tap type, comprising a holder, yieldably-opposed conductor jaws carried thereby, a pair of hanger members for hooked engagement with an electrical line, a block adjustable longitudinally of the hanger members, and a pivotal connection between the jaws and the block, on an axis generally transverse to a conductor on which said hanger members are suspended, and at such elevation that the jaws may have wiping engagement with a line engaged by the hanger members.

2,582,622
DISAPPEARING STAIRWAY
Jon R. Craig, Columbus, Ga.
Application April 19, 1949, Serial No. 88,273
2 Claims. (Cl. 228—50)



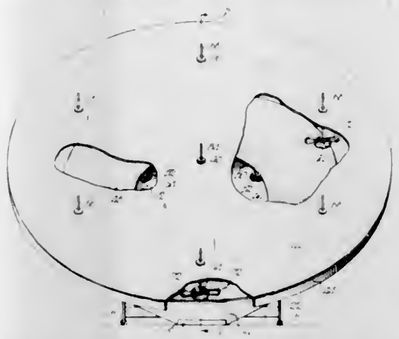
1. A disappearing ladder for buildings comprising an open frame, a closure positioned within said frame and having one end mounted on one end of said frame for swinging movement into and out of closing relation therewith, a ladder positioned on the inner face of said closure and fixedly secured thereto, means carried by said frame and operatively connected to said closure for normally positioning the latter in closing relation with respect to said frame, said means comprising a pair of supporting bars extending through said frame and swingingly supported intermediate their ends on the sides of said frame, one end of each of said bars being pivotally connected to said ladder adjacent to and spaced from the other end of said closure, and resilient means operatively connected to the other end of each of said bars and said one end of said frame.

2,582,623
POWER-DRIVEN DISPLAY RACK
Homer C. Douglas, Kansas City, Kans.
Application March 29, 1948, Serial No. 17,686
3 Claims. (Cl. 211—1.6)



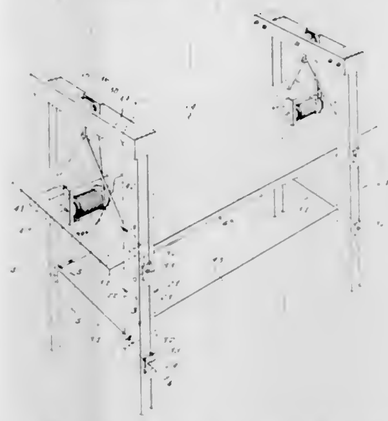
1. In a display rack, a stationary spindle; a drive disk rotatably mounted on said spindle; a driven disk on one side of the drive disk and substantially parallel thereto; means on the spindle for mounting the driven disk for rotation separate from the drive disk on an axis eccentric to the axis or rotation of the drive disk; a shaft rotatably mounted on the driven disk and spaced from said axis of the latter rigidly mounted on said shaft and rotatably connected with the drive disk for imparting rotation to the shaft and the driven disk.

2,582,624
DISPLAY RACK HAVING MOVABLE PARTS
Homer C. Douglas, Kansas City, Kans.
Application November 3, 1949, Serial No. 125,333
3 Claims. (Cl. 211—1.6)



1. In a display apparatus, a first and a second plate, said plates being superimposed and mounted for rotation on offset axes; a crank pivotally interconnecting the plates for imparting rotative movement to said second plate as the first plate is rotated; and stabilizing means for the crank disposed between the plates and including a pair of oppositely extending wings on the crank.

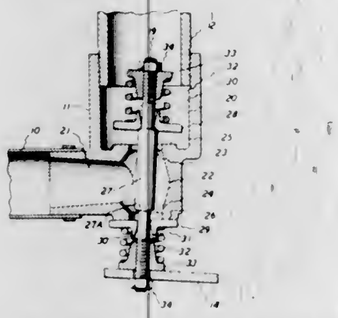
2,582,625
SCAFFOLD END FRAME
Roscoe H. Dunn, Bloomington, Ill.
Application January 17, 1947, Serial No. 722,704
4 Claims. (Cl. 304—2)



1. A scaffold end frame comprising a pair of identical vertically extending pieces, each including a pair of cooperative pieces, spacers transversely disposed between the pieces of each pair for retaining the pieces in spaced relation, platform support members disposed transversely between the pair of pieces and having their opposing ends positioned between the pieces of each pair, clamping plates detachably affixed transversely to the opposing ends of the members and clampingly engageable with the outer edges of

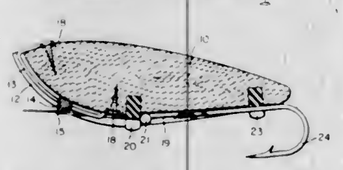
the pieces of each pair for affixing the members between the pieces, said spacers between the pieces of each pair being arranged in pairs and each pair of spacers being in spaced relation, fasteners carried by the members and each fastener having a depending projection received between the spacers of each pair.

2,582,626
PILOT OR RELAY VALVE
Hans Escher, Wollongong, New South Wales, Australia, assignor to Australian Iron & Steel Limited, Sydney, New South Wales, Australia, a company of New South Wales
Application September 19, 1945, Serial No. 617,285
In Australia November 14, 1944
1 Claim. (Cl. 277—44)



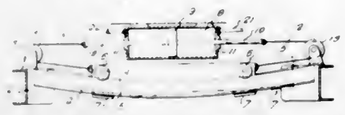
A pilot or relay valve comprising a body having a compartment therein, an inlet to said compartment, an outlet from said compartment, an opening to provide communication between the compartment and a servo-motor or other regulating valve control, an annular valve seating at said inlet, an annular valve seating at said outlet co-axial with and oposed to the inlet valve seating, a valve spindle extending through said compartment and having reduced diameter ends externally of said compartment forming shoulders adjacent to said valve seatings, a valve element having a tapered hole therethrough and slidably fitted on each reduced diameter end of the valve spindle with the smaller end of the tapered hole adjacent to the related shoulder of the spindle which provides an abutment for said valve element, a collar screwed on each end of the valve spindle, a compression spring located between each collar and valve element to bias each valve element towards its valve seating, and an actuating arm secured to the valve spindle at one end.

2,582,627
FISH LURE
Jay A. Gaylord, Seattle, Wash.
Application March 24, 1950, Serial No. 151,738
3 Claims. (Cl. 43—42.05)



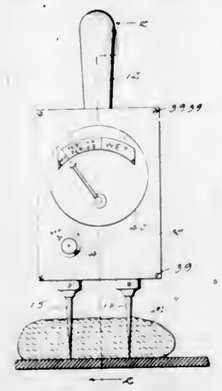
1. A fish lure having a body provided with a downwardly and rearwardly curved forward end, a guide bar secured at its upper and lower ends to the top and bottom portions of said body, and a line guide slidably mounted on said guide bar.

2,582,628
AUTOMOBILE STABILIZING COUNTERWEIGHT
Edward J. Halloran, Hamilton, Ontario, Canada
Application April 21, 1949, Serial No. 88,730
4 Claims. (Cl. 280—112)



1. In a steerable automobile chassis, a stabilizing counter-weight movable transversely of the chassis to counteract the centrifugal force set up when the chassis is travelling in a curved path, a track extending transversely of the chassis and upon which the counter-weight rides, a cylinder, a piston normally positioned substantially centrally of the cylinder's length, means linking the piston to the counter-weight, a compressed air chamber, a two-way valve having four ports, an air tube extending from the compressed air chamber to one port, a pair of air tubes extending from the ends of the cylinder to two other ports, a source of air suction connected to the fourth port, and valve port opening and closing means which when in the open position provides air passage connections between the compressed air tube port and one of the cylinder tube ports and the suction port and the other cylinder tube port, said adjustable valve means being linked to and operable in conjunction with the steering mechanism of the chassis.

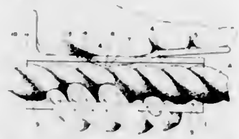
2,582,629
MOISTURE TESTER
A. B. Hilton, Laurel, Miss., assignor of one-half to Grady Tant, Laurel, Miss.
Application January 5, 1949, Serial No. 69,363
1 Claim. (Cl. 175—183)



A moisture testing device comprising a housing including top, bottom, end, front and back walls, a pair of spaced insulating bushings in said bottom wall, a pair of electrodes fixed in said bushings and terminating in pointed portions extending a predetermined distance exteriorly of said bottom wall of said housing for insertion in a test sample of a meat product being cooked and having a minimum known resistance, said electrodes being connected in series with a source of electrical energy, a fixed resistor, a variable resistor, and a resistance measuring meter having an indicating arm movable in response to changes in resistance of said

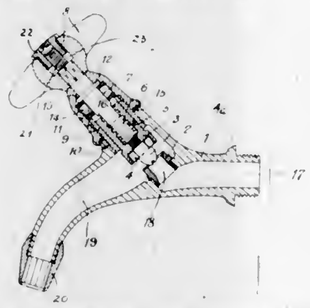
circuit, said variable resistor being adjustable to balance the resistance of the circuit with said minimum resistance of the sample, a scale on said front wall traversible by said indicating arm and graduated for indication of three zones representative of wet, testing and dry conditions of the test sample, the extent of said dry zone being materially less than that of said wet and testing zones, movement of said arm from the wet zone being effected by an increase in the resistance of the sample, such increase being effected by decrease in the moisture content thereof above said known minimum and to the dry zone on increase of resistance of the sample to a predetermined allowable maximum resistance.

2,582,630
SKI TOW ROPE GRIP
Robert F. Hoffman, South Orange, N. J.
Application December 1, 1948, Serial No. 62,949
1 Claim. (Cl. 104—216)



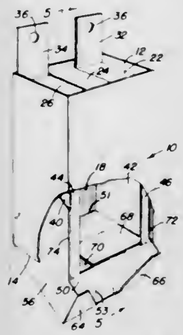
A ski tow rope grip including a channeled receiving body having a channel extending throughout its entire length and having a longitudinally-extending opening in one side thereof, a gripping lever pivotally connected to said channeled body and having an inwardly extending portion extending through said opening for gripping engagement with an article in the channel of the body, the end of said gripping lever outwardly of said inwardly-extending portion extending exteriorly of the body for pressure engagement by the hand of a user, the inner surface of the inwardly extending portion of said gripping lever and a raised portion of the inner surface of the channeled body opposite the inwardly-extending portion of said lever being roughened, said body having a lateral flange on one end thereof forming an abutment for engagement by the heel of the hand of a user, an attaching strap carried by said body and a spring engaging said gripping lever for urging it into non-gripping position.

2,582,631
COCK
Pierre Paul Honegger, Conches, Switzerland
Application October 9, 1945, Serial No. 621,370
In Switzerland October 11, 1944
11 Claims. (Cl. 251—48)



11. A cock comprising, in combination, a substantially tubular housing member being internally threaded adjacent one end portion thereof; an annular, yielding packing mounted in said tubular housing member adjacent the other end portion thereof; an externally threaded tubular packing gland threadedly engaging said internally threaded one end portion of said tubular housing member and being located with one end thereof pressing against said annular packing so as to compress the same; a valve member slidably but not rotatably mounted within and with respect to said packing gland; and operating means comprising a handle bearing against said other end portion of said tubular housing member and a cylindrical shaft fixedly connected to said handle and extending through said tubular housing and said annular packing and threadedly connected to said valve member so as to move said valve member axially but not rotatably with respect to said packing gland, the compression of said annular packing by said packing gland causing the inner peripheral face of said annular packing to forcefully spread out against a substantial outer peripheral surface portion of said cylindrical shaft so as to prevent leakage between the same and said annular packing, and the said cylindrical shaft having a shoulder located above said valve member so as to limit the opening movement of said valve member with respect to said cylindrical shaft, the continued turning of said cylindrical shaft in valve opening direction after said valve member has contacted said shoulder causing said packing gland to turn with said valve member due to said non-rotatable mounting of said valve member with respect to said packing gland, whereby the adjustment of said packing gland with respect to said annular packing is effected.

2,582,632
MATCHBOX DISPENSER
Monroe Horn, Corpus Christi, Tex.
Application November 10, 1949, Serial No. 126,621
2 Claims. (Cl. 206—31)



1. A package and dispenser for matches, tooth picks and structurally similar articles, said package comprising an open ended tube with a receptacle slidably disposed therein, said receptacle having a bottom, sides, an upper end and a discharge end hingedly connected with said bottom and forming a discharge chute, a hanger operatively connected with said upper end, and a baffle strip forming a part of said discharge end fixed to each side to support said sides and to form a guide for the articles discharged and longitudinal flat members secured to each side to retain the articles in the receptacle when said receptacle is pulled outwardly from said tube an excessive amount.

2,582,633
GARMENT PROTECTING ATTACHMENT FOR GARMENT HANGERS
Louise M. Jacomini, Hermosa Beach, Calif.
Application April 28, 1947, Serial No. 744,462
3 Claims. (Cl. 223—92)



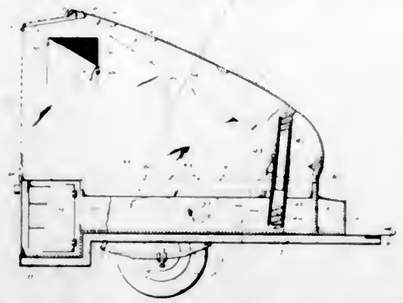
1. An article of manufacture, a protective device for a garment hanger formed of a sheet of resilient material and comprising a body portion having a straight upper edge, an arcuate lower edge and oppositely extending end lobes having curved edges merging with the straight upper edge of the body and reversely curved edges merging with the arcuate lower edge thereof, each of said end lobes being provided with a perforation to receive means for attaching the device to a hanger arm.

2,582,634
TELEVISION ANTENNA ASSEMBLY
John Paul Jones, Jr., Pottstown, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application January 3, 1950, Serial No. 136,548
1 Claim. (Cl. 250—33)



A two-band high-frequency antenna assembly comprising: a first dipole naturally resonant at a frequency substantially midway between the end frequencies of the high band; a second dipole naturally resonant at a frequency about midway between the low-band center-frequency and the lower end-frequency of the low band; a stub interconnecting the terminals of said first and second dipoles, said stub having a selected length equal to one-half wavelength at the center-frequency of the high band, which is also about one-quarter wavelength at a frequency near the upper end of the low band; a common transmission line connecting both said dipoles to signal utilization means, said transmission line being connected to the terminals of said second dipole directly and to the terminals of said first dipole by way of said stub; and an inductor connected across the terminals of said first dipole, said inductor comprising a C-shaped loop of mechanically rigid conductive material having a loop diameter of approximately one-eighteenth wavelength at the center-frequency of the high band and a conductor length of approximately one-sixth wavelength at the center-frequency of the high band, said C-shaped loop inductor and said stub together being equivalent to a one-quarter wavelength shorted line at a low-band frequency about midway between the low-band center frequency and the upper end-frequency of the low band.

2,582,635
FOLDING CAMP TRAILER
William F. Kipple, near Seattle, Wash.
Application August 4, 1947, Serial No. 765,903
4 Claims. (Cl. 296—23)

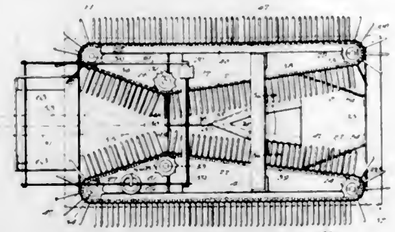


1. A trailer structure affording at its respective ends sleeping and kitchen compartments, comprising a wheel-mounted body having a floor arranged at two levels, that in the sleeping compartment being at an upper level to clear the wheel mounting, and that in the kitchen compartment being dropped to a lower level, a bed structure installed above the floor in the sleeping compartment, said body including also side walls and transverse end walls rising only to a height, generally common to all walls, to clear the bed structure, a door in the one end wall admitting to the kitchen compartment, kitchen structures installed in the kitchen compartment, and terminating at no greater height than the several walls, a hood-like roof hingedly mounted upon a transverse axis to the transverse end wall at the end of the sleeping compartment, and coinciding in its lowered, generally horizontal position with the edges of the several walls to constitute a low, tight closure for traveling, but tiltable upwardly from its hingedly mounted end to form a partially covered kitchen space of a height to permit standing upon the dropped floor, and slanting downwardly over the sleeping compartment from about that height to the height of the end wall only, to form a covered sleeping space of a height to preclude standing upon the raised floor, means to support the roof thus upraised, an extension roof section mounted adjacent the swinging end of the roof, for movement between a traveling position wherein it is wholly beneath the roof, to an extended position wherein it projects rearwardly from the roof's rear end to complete the covering of the kitchen space, at a level to permit standing therein, and curtains removably secured between the side and swinging end edges of the roof, including said extension section, and the corresponding edges of the body's walls, to house in, and for access to, the interior of the body by way of the door in the end wall which admits to the kitchen compartment, said curtains folding inwardly to rest upon the bed and kitchen structures when the roof is lowered, for traveling.

2,582,636
FRUIT PITTER
William J. Kruse and Conrad E. Kruse, Hatboro, Pa.
Application March 15, 1947, Serial No. 734,950
1 Claim. (Cl. 146—28)

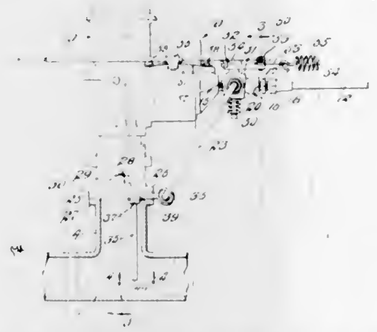
In a fruit pitter, a pair of endless conveyors arranged in substantially the same plane and having adjoining opposed converging stretches followed by adjoining opposed diverging stretches, means for feeding fruit into the space between

the converging stretches, pointed pins of a length of substantially half the diameter of the fruit being pitted mounted on the conveyors, the pins on each conveyor being spaced from each other a distance substantially less than the diameter of a fruit pit and protruding in opposed relation toward the pins on the other conveyor, means for cutting the fruit to halve the same positioned in close proximity to the pointed ends of the opposed pins and mounted in a plane at substantially right angles to the plane of the conveyors and pins and adjacent the position of greatest



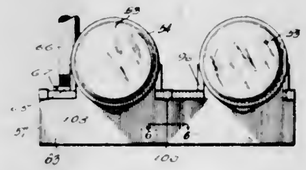
convergence of the pins, a separator of generally wedge formation positioned beyond the cutting means between the diverging stretches and having abruptly diverging walls followed by more gradually diverging walls opposed to and in close proximity to the ends of the pins, the more gradually diverging walls being provided on each side with a pit channel aligned with the pins and into which the pit is pressed by the pins while the fruit half cut surface slides over the diverging walls as the fruit is fed by the pins and means for driving the conveyors in unison.

2,582,637
FUEL INJECTOR FOR STARTING INTERNAL-COMBUSTION ENGINES
Thomas C. Leake, New York, N. Y.
Application April 11, 1950, Serial No. 155,325
10 Claims. (Cl. 123—180)



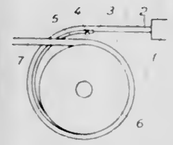
3. In a motor vehicle driven by an internal combustion engine, fitted with a carbureter and an intake manifold, an auxiliary fuel injection attachment, comprising a tubular fuel line adapted to feed liquid fuel from the source to the carbureter, a multiple-leg fitting connecting the fuel line to the fuel inlet of the carbureter, a valve connected to one leg of said fitting, a flanged insert interposed between the carbureter outlet and the intake manifold, means clamping the insert between the carbureter and the manifold, an auxiliary fuel tube interposed between the valve and the insert, a tubular injector attached to said insert, said insert having a plurality of openings formed therein, connecting the injector to the auxiliary fuel tube, said tubular injector projecting into the intake manifold, means sealing the free end of said injector tube, said tube having a plurality of openings formed therein, adjacent the sealed end thereof, means adapted to manually control the opening of said valve, means connecting said control means to the operating section of said vehicle, and means automatically closing said valve when the connecting means is released, a portion of the fuel from the fuel line being sprayed into the intake manifold, through the injector openings, when the valve is opened, to facilitate starting the engine.

2,582,638
METER TROUGH AND BOX
Morgan J. Lewis, Philadelphia, Pa.
Application August 5, 1949, Serial No. 108,681
19 Claims. (Cl. 175—222)



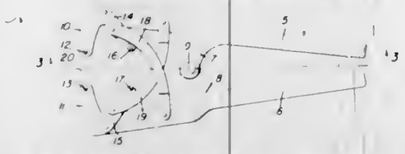
1. In an electrical box, a socket for attachment to a meter or the like, a trough around the socket and having a socket ring provided with a separable segment, a box displaced from the socket and connected to the trough, a lateral offset on the box beyond the trough having an electric lead-in connection, and a removable cover on the box covering the offset and mounting the separable segment of the socket ring.

2,582,639
ARRANGEMENT FOR ADAPTING THE SPEED OF TAKE-UP TO THE SPEED OF FEED IN PRODUCING THREAD OR TAPE MATERIAL WITH ORIGINALLY LOW MECHANICAL STRENGTH
Ture A. Ljungberg, Stuvsta, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application September 22, 1949, Serial No. 117,214
In Sweden September 28, 1948
3 Claims. (Cl. 18—8)



3. An auxiliary device for a machine manufacturing a thread or tape by extruding a material having a low tensile strength when it leaves the extrusion mouth-piece and in which the said strength increases rapidly therefrom, comprising a pivoted roll receiving the extruded material, a brake-shoe movable in relation to said roll, and means whereby the extruded material is conducted from the mouth-piece and is caused to slide over said brake-shoe in direct contact therewith before it engages the said roll and whereby said shoe is forced into braking engagement with said roll by the tension in the extruded material in engagement therewith.

2,582,640
CASTRATING BAND APPLYING TOOL
Claude Maddox, Flemingsburg, Ky.
Application May 9, 1950, Serial No. 160,839
3 Claims. (Cl. 128—303)



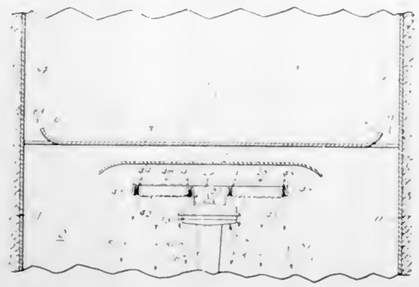
1. In a tool for expanding an elastic band, a pair of handles pivoted to each other and having front end jaws movable by said handles toward and from each other, a pair of lateral pins on said jaws movable toward and from each other by corresponding movement of said jaws, a pair of arms pivoted at corresponding ends thereof on said handles in the rear of said jaws for swinging forwardly into end-to-end relation and rearwardly into inclined converging relation, a pair of lateral pins on the other ends of said arms swingable toward each other and toward said first-named pins when said arms are swung toward end-to-end relation and being swingable by said arms away from each other and the first-named pins when said arms are swung into converging relation, and means operatively connecting said handles to said arms to swing the same into end-to-end relation and into rearwardly inclined converging relation when said jaws are moved toward and from each other respectively, said pins being adapted to be encircled by said band for stretching.

2,582,641
STORAGE BIN STRUCTURE
Ray V. Mathews, Ottumwa, Iowa, assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Application August 3, 1948, Serial No. 42,213
1 Claim. (Cl. 211—126)



A storage bin structure for use in conjunction with a poultry weighing and grading station comprising an arcuate frame and a plurality of bins therefor; said frame comprising a plurality of segmental sections each composed of a plurality of vertical side and horizontal front and back rails, each of said front rails being shorter than the back rails, each of said front rails being mounted at a greater elevation than the corresponding back rail, an arcuate gutter positioned on said frame immediately below and behind each of said back rails; each of said bins comprising a segmentally-shaped pan open at the front, top, and back thereof, stop means positioned at the back of said bins, said bins being narrower at the front than at the back and adapted to rest upon the respective front and back horizontal rails of said frame, said bins being a fractional width of the frame segment whereby the frame will accommodate a given number of said bins, frame engaging means positioned at the front of each bin to hold the bin in place on the frame, and a drain opening at the rear of said bins adapted to feed into said arcuate gutter on said frame.

2,582,642
BROILER BURNER AND RADIANT SCREEN FOR GAS COOKING RANGES
Charles M. Mayer, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio
Application May 23, 1950, Serial No. 163,765
3 Claims. (Cl. 158—113)



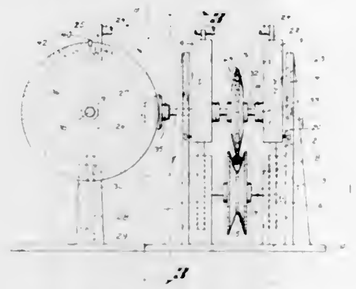
1. In a device of the character described the combination of a pair of spaced aligned supporting members each of which has an upwardly extending integral flange at each side thereof, a pair of spaced parallel U-shaped clamping strips extending between said pairs of spaced supporting members and rigidly secured to said flanges adjacent the upper edges thereof, a pair of substantially vertically disposed U-shaped stiffening strips, a pair of wire mesh screens, one edge of each of said screens being clamped between the legs of one of said U-shaped clamping strips, said screens extending outwardly from the lower edges of said clamping strips and having the outer edges thereof turned upwardly, the upturned edge of each of said screens being securely clamped between the legs of one of said substantially vertically disposed U-shaped stiffening strips, and a pair of spaced parallel brackets having down turned ends, one of said brackets resting loosely on the upper edges of the upwardly extending flanges of each of said supporting members, the down turned ends of said brackets being secured to said stiffening strips.

2,582,643
DRESS
Matilda M. Mettler, Fort Wayne, Ind.
Application August 9, 1950, Serial No. 178,475
3 Claims. (Cl. 2—74)



1. A garment comprising a dress which is convertible to an apron, said garment comprising a skirt, a waist connected to said skirt, a belt encompassing said dress at the juncture of the skirt and waist, said skirt having front panels attached at opposite sides thereof which are severable from the skirt and from said belt, said waist having detachable members and a yoke contiguous therewith, said yoke being detachable from the waist, shoulder straps forming a part of the waist which portions are contiguous with the back part of the dress, sleeve members adjacent the shoulder straps, and rip seams connecting said shoulder straps and the adjacent sleeve members for ready detachment of the same therefrom.

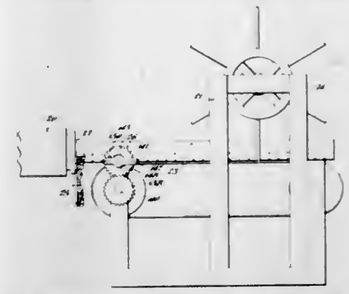
2,582,644
LINEAL MEASURING DEVICE FOR ELONGATED OBJECTS
Eloy C. McKeever, Des Moines, Iowa, assignor of one-half to Frank A. Dapolonia, Des Moines, Iowa
Application June 9, 1950, Serial No. 167,156
3 Claims. (Cl. 33—134)



1. In a lineal measuring device for elongated objects, a base, arms rigidly secured to said base in a spaced relationship and extending vertically therefrom, a V-type guide pulley mounted between said arms; said V-type guide pulley being solely rotatably moveable with respect to said arms; said arms having vertically arranged wells therein; and said arms having cross-sectionally shaped T-slots therein; said T-slots being parallel to and entirely above the wells in said arms, a handle rod, a pair of brackets rigidly secured to said handle rod in a spaced relationship and extending therefrom in the same direction and parallel to each other, guide rods rigidly secured to the lower portion of each bracket; said guide rods arranged to slidably engage the wells of said arms, T-guides extending from the sides of said brackets; said T-guides arranged to slidably engage said T-slots, a disc mounted between said brackets; said disc being solely rotatably moveable with respect to said brackets, and means on the edge of said disc for engaging members in contact with said disc edge to prevent slippage between said disc edge and a member in contact therewith.

2,582,645
TILE PERFORATING MACHINE
Edward C. Milliken, Bowerston, and Jay M. Roth, Uhrichsville, Ohio, assignors to The Bowerston Shale Company, Bowerston, Ohio, a corporation of Ohio
Application March 9, 1949, Serial No. 80,454
15 Claims. (Cl. 25—20)

1. In an apparatus for perforating a continuous tube formed of plastic material, a perforator unit including a reciprocable perforator punch constructed and arranged to perforate the tube substantially at right angles to the longitudinal axis of the tube, means for continuously advancing the tube longitudinally relative to the perforator punch, power means arranged intermittently to actuate the punch to advance and retract the same to form perforations along the continuously advancing tube in spaced groups means in driving connection with the advancing tube for severing the continuous tube between the



groups of perforations to form individual lengths of tubing and timer means in driving connection with the severing means constructed and arranged to energize the said power means in timed relationship with the advancement of the tube.

2,582,646
FISH LURE
Warren H. Moore, Bennington, Vt.
Application April 4, 1947, Serial No. 739,313
7 Claims. (Cl. 43—44.2)

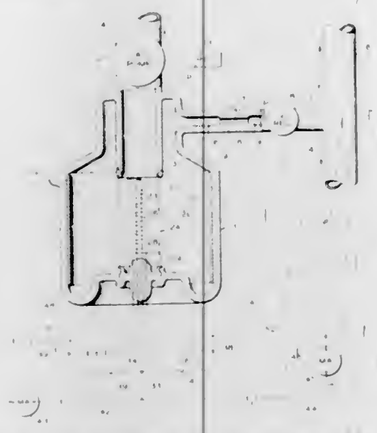


3. A fish lure comprising a plug including an elongated body portion and a nose portion extending downwardly from the front end thereof, a leader connecting means attached to said nose portion, said body portion being in the form of an inverted trough into which the back of a bait fish may be nested, an adjustable fastener, an impaling pin extending longitudinally beneath said body portion and pivotally secured to said plug at the rear of said nose portion by said adjustable fastener and with the front end of said pin in contact against the rear surface of said nose portion for biasing or tensioning of said pin toward said body portion, whereby a fish impaled thereon may be held with its back firmly nested against the underside of said body portion, and a fish hook attached to said lure.

2,582,647
METHOD AND MEANS FOR INDICATING CHANGES IN THE COMPOSITION OF A GAS
Thomas D. Morgan, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 4, 1949, Serial No. 69,226
13 Claims. (Cl. 175—18)

1. The process of indicating a change in the composition of a gas which comprises passing a sample of the gas at a constant low pressure through a zone where it is subjected to a bombardment of slow electrons to form a first group of positive ions at a rate dependent upon the composition of the gas, collecting said first group of positive ions on a negatively charged plate, measuring the electric current resulting there-

from, and protecting said first group of positive ions from contamination with a second group of positive ions formed from such portions of said gas as come in contact with the source of such electrons and crack thereon by repelling said second group of positive ions with a positively charged screen.



4. In a gas analyzer an evacuated chamber, and means to regulate the pressure in said chamber comprising vacuum pump means for evacuating said chamber to a predetermined pressure, and means supplying gas to maintain said pressure comprising a source of said gas at greater than atmospheric pressure, a conduit connecting said source and said chamber, a constant pressure regulating valve in said conduit receiving gas from said source and passing it under reduced pressure through said conduit, and a restricted orifice controlling flow from said conduit into said evacuated chamber, said chamber having a central depending exhaust duct and an inlet duct disposed to discharge against said exhaust duct, a screen sealed to and completely surrounding said exhaust duct and forming said chamber into two portions isolated by said screen, a cathode on the exhaust duct side of said screen, and a film of deposited metal on the walls of said chamber on the inlet side of said screen.

2,582,648

PROTECTIVE SOCK WITH TUBULAR MARGINAL AIR ENCLOSURE HAVING VALVE MEANS

Douglas Thomas Mowbray, Waterloo, Iowa
Application June 12, 1948, Serial No. 32,606
1 Claim. (Cl. 36—8.1)



A surgical stocking comprising a liquid-proof enclosure of sock-like shape constructed of thin, pliable, elastic material, a wide marginal portion of the stocking adjacent the leg opening thereto being folded downwardly in overlapping relation with the leg portion of the stocking and sealed thereto along the edge of said marginal portion to provide a relatively large tubular air enclosure expandable inwardly by air pressure to provide a pneumatic seal against a leg encased therein and valve means comprising an apertured disc peripherally sealed to the outer face of the downwardly folded wide marginal portion, the said wide marginal portion also having a vent hole therethrough offset from the aperture in the disc but within the peripheral seal to the disc and adapted to seal against the inner face of said disc.

2,582,649

ADJUSTABLE HEAD T SQUARE

Oscar Anton Olson, Ames, Iowa
Application December 1, 1949, Serial No. 130,377
3 Claims. (Cl. 33—100)



1. In a device of the class described, a T-square comprising a cross-piece having one straight edge and a convex portion on the other edge, an elongated translucent rule member secured at one end to said cross-piece and at right angles thereto, a depression in said cross-piece adjacent the end of said rule member, a second cross-piece of the same shape as said first cross-piece and pivotally secured thereto in spaced relation, a beveled edge on one longitudinal side of said rule member, a beveled edge on one side of the convex portion of each of said cross-pieces, a rod member threaded on one end and having a hook on the other end; said hook portion resting in said depression and said threaded portion projecting rearwardly from said cross-pieces, a channel bracket member mounted on said rod member; said channel edges being beveled and capable respectively of engaging the beveled edges respectively of said cross-pieces at times, and a control knob threaded on said rod and capable of engaging said bracket at times so that tightening of said knob will increase the frictional engagement between said bracket and said cross-pieces.

2,582,650

CLOTHES RACK FOR VEHICLES

James D. Patton, Windber, Pa.
Application July 8, 1949, Serial No. 103,657
3 Claims. (Cl. 224—42.45)

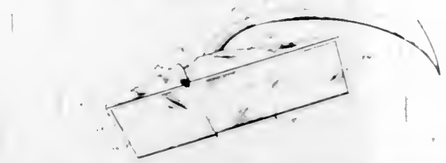


1. A clothes rack for mounting on the back of a vehicle seat comprising an elongated horizontal bar, a second elongated horizontal bar, longitudinally bent resilient means pivotally connecting said bars together and adapted to engage over the upper edge of the seat back, and hanger supporting lugs carried by one of said bars.

2,582,651

DUAL VISION REAR VIEW MIRROR

John G. Peterson, Bridgeport, Conn.
Application March 21, 1950, Serial No. 150,879
2 Claims. (Cl. 88—87)

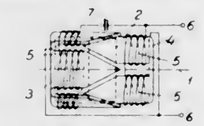


1. A rear view mirror assembly comprising a support, a backing block adjustably mounted on one end of said support, a mirror section mounted on said backing block, a bracket pivotally secured at one end to said backing block at one end of the latter for movement about an axis substantially parallel to said mirror section, a second mirror section mounted on said bracket and facing in the same general direction as the first mentioned mirror section, a tongue extending from said one end of said backing block along said bracket and having a longitudinally extending slot therein, a clamp plate slidable along said tongue and having a tapped hole therein, and a screw carried by said bracket and extending through the slot in said tongue and engaged in the tapped hole in said clamp plate to clamp said clamp plate, said tongue and said bracket together with said second mirror section in a desired position of adjustment relative to said first mentioned mirror section.

2,582,652

ALTERNATING CURRENT MOTOR

Wilhelm H. Petersén, Vasteras, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application August 4, 1949, Serial No. 108,519
In Sweden September 3, 1948
2 Claims. (Cl. 172—275)



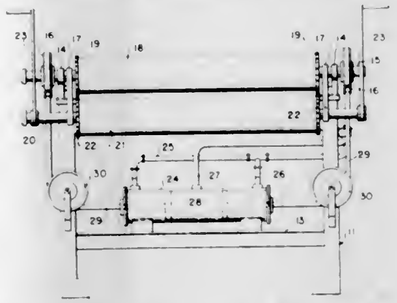
1. An alternating current motor comprising a rotor, two stator halves axially disposed one on each side of said rotor, triangularly pointed pole pieces protruding from said stator halves and embracing and covering the peripheral surface of said rotor, the said pointed pole pieces of each of said stator halves extending between the corresponding pole pieces of the other stator half, and a magnetizing coil on each one of said pole pieces, the coils of one stator half being interconnected to form poles of alternating polarity, and the magnetizing system thus formed on one stator half being displaced in phase from the magnetizing system formed by the other stator half.

2,582,653

BENDING MACHINE FOR PLYWOOD OR COMPOSITION BOARD

Emil C. Richter, St. Louis, Mo.
Application June 3, 1949, Serial No. 96,928
2 Claims. (Cl. 144—255)

1. A machine for bending deformable sheet material comprising a support having a horizontally disposed flat top, a shaft spaced above said flat top and mounted on said support for rotary movement about a first horizontal axis, a first drum circumposed about said first shaft and secured axially thereof, an arm projecting radially of said shaft contiguous to each end thereof and secured thereto, a second drum positioned intermediate said arms and mounted therebetween for rotary movement about a second horizontal axis spaced from said first horizontal axis, the spacing between said first and second horizontal axes being selected to provide a space contiguous to said flat top for the extension therethrough of the sheet material to be deformed, means operatively connecting said second drum to said first drum for rotary movement about said second horizontal axis in response to the rotary movement of the assembly of said shaft and said first drum about said first horizontal axis, and actuating means carried by said support and operatively connected to said shaft for effecting the

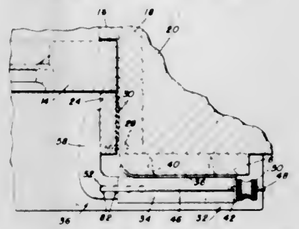


rotary movement of the latter, whereby the sheet of material inserted between said drums will be arcuately bent, said actuating means comprising a fluid pressure cylinder disposed longitudinally of said support and secured thereto, a piston disposed in said cylinder and mounted for sliding movement toward and away from one end thereof, a first pulley circumposed about said shaft and secured thereto, a second pulley disposed adjacent to and spaced from said one end of said cylinder and mounted on said frame for rotary movement about a third horizontal axis transverse of said first and second named horizontal axes, and a flexible cable guidingly supported on said second pulley and having one end trained about said first pulley and secured thereto and having the other end operatively connected to said piston, whereby said second drum will be rotated about said second horizontal axis and said first drum responsive to the admission of fluid under pressure to said cylinder.

2,582,654

WINDOW BEAD AND FASTENER THEREFOR

John S. Saban, Detroit, Mich.
Application March 15, 1951, Serial No. 215,756
3 Claims. (Cl. 16—220)



1. A stop-bead fastener of the class described comprising a hook including a bill portion and

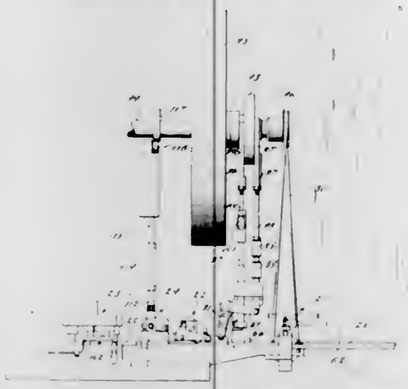
a shank portion, said shank portion having selectively usable keeper holes, an attaching bracket, means slidably mounting said shank on said bracket, a bolt detachably and adjustably mounted on said bracket and having a hook at one end, said hook constituting a keeper and being selectively engageable with the keeper holes in said shank.

2,582,655
ICE-CREAM POP MANUFACTURING AND PACKAGING
Peter Schenk, New York, N. Y.
Application February 8, 1949, Serial No. 75,107
11 Claims. (Cl. 99—180)



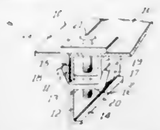
1. A package for ice cream pops comprising, a channel-shaped strip of paper comprising side walls, a bottom, flaps extending from the tops of the side walls and folded inwardly and into overlapped relation, each of the flaps having an aperture, the apertures being located in registry when the flaps are folded into said overlapped relation, a stick projecting through the registered apertures and extending into the ice cream contained within the package and holding the flaps in such overlapped relation, and spaced end walls disposed within the strip and in engagement with parts of the same.

2,582,656
APPARATUS FOR FEEDING LENGTHS OF FLAT STOCK IN UNINTERRUPTED SEQUENCE
George Scher, West Orange, N. J.
Application June 7, 1947, Serial No. 753,179
16 Claims. (Cl. 271—69)



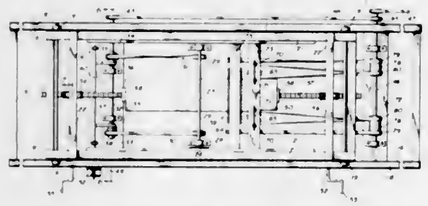
1. In an apparatus of the character described, the combination of a reciprocable frame, a pair of intermittently operated levers pivotally mounted in the frame, stock-gripping jaws carried by said levers, said stock-gripping jaws being spaced apart lengthwise with respect to an elongated flat strip of stock being fed thereby and positioned to hold said strip of stock against a portion of the frame upon pivotal movement of the levers in one direction, an independently operable mechanism for reciprocating said frame to advance the stock held thereby a predetermined distance, a continuously driven slip-feed for feeding lengths of the strip stock in abutting relation to the stock-gripping jaws, and a hold-down for intermittently engaging with the stock to hold the stock in its advanced position when the stock is not gripped by said gripping jaws.

2,582,657
BUBBLE TOWER
Herbert Edward Serner, Oakland, N. J.
Application April 21, 1948, Serial No. 22,410
7 Claims. (Cl. 261—114)



1. In a bubble tower, a tray structure comprising a plurality of horizontal sheet metal sections each having vertical flanges along their side edges with the inner faces of the flanges of adjacent sections contacting one another to form joints between the sections, one of said flanges of each joint being of substantial depth and containing a series of horizontally spaced apertures, an abutment member on the outer face of said flange adjacent each of said apertures, a series of clamping members, one disposed in each of said apertures, having each a body portion and two opposed camming portions, one of said camming portions engaging said abutment member and the opposite camming portion engaging the outer surface of the contacting flange, and headed bolts extending from the upper surface of said tray structure having their lower end portions in threaded engagement with said respective clamping members to actuate them to urge said flanges towards one another.

2,582,658
RAILROAD TIE DRESSER
Joe Tackett, Briceland, Calif.
Application September 8, 1947, Serial No. 772,823
3 Claims. (Cl. 144—116)



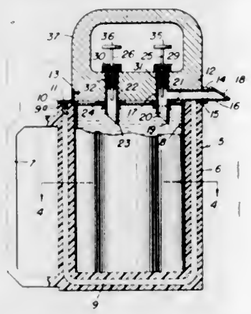
1. In a railroad cross-tie surfacing and dressing machine of the class described, a relatively stationary open-work foundation framework, a pair of opposed parallel rotary cutter devices horizontally mounted for operation within the confines of said framework, a second pair of opposed spaced parallel vertical rotary cutter devices also mounted within the confines of said framework and in close spaced proximity to said first-named cutter device and permitting the longitudinally reciprocable work piece to be shifted and operated back and forth between effective surfaces of said cutter devices in a manner to condition all work surfaces at substantially the same time, a carriage shiftably mounted atop said framework, means for moving the carriage back and forth in respect to said framework, and adjustable work suspending and clamping devices attached to and hung from said carriage and depending into said framework, said devices being engageable with the opposite end portions of the work piece in a manner to maintain same in a horizontal plane within the confines of the framework and to reciprocate it in operative association with said cutter devices.

2,582,659
ILLUMINATING DEVICE FOR TANK TRUCKS
William J. Tamminga, Goshen, N. Y.
Application May 17, 1950, Serial No. 162,504
5 Claims. (Cl. 240—12)



5. An illuminating device comprising: a tube provided at one end with a hood having therein a lamp mounting for a sealed beam lamp, a socket within said mounting, a current carrying cable leading to the socket and said mounting being sealed by gaskets about the cable and the lamp against the passage of water into the mounting, rods secured to the hood and supporting a semi-spherical reflector coaxial with the lamp and in spaced relation to the latter, and means for supporting the hood in upright position.

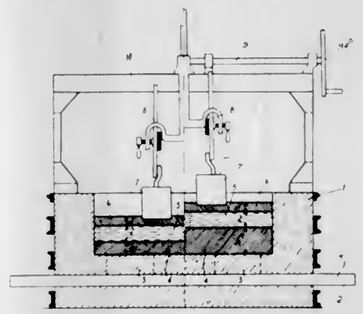
2,582,660
DISPENSING HOLDER FOR LIQUID CONTAINERS WITH MEANS FOR PUNCTURING SAID CONTAINERS
Ezekiel L. Thomas, Los Angeles, Calif., assignor of forty-nine per cent to Clara Thomas, Los Angeles, Calif.
Application February 3, 1949, Serial No. 74,373
4 Claims. (Cl. 222—83.5)



1. A dispensing holder for evaporated milk cans or the like, including a can-receiving container, reinforcing means embedded in the walls of said container, a hinged cover on the container, can top puncturing air inlet and milk outlet tubes carried by the cover, a pouring spout carried by the cover and communicating with the outlet tube, and spring elevated manually depressable plungers carried by said tubes and operable therein to clear the same of coagulated milk obstructing the passages thereof.

3. In a dispensing holder for evaporated milk cans or the like, a molded plastic can-receiving container of cylindrical form, a U-shaped yoke embedded in said container and having its intermediate portion disposed diametrically of the bottom of said container and its end portions vertically disposed in diametrically opposite portions of the cylindrical wall of said container, a cover for said container, and a hinge having one leaf secured to one terminal of said yoke and the other leaf secured to the edge of the cover.

2,582,661
METHOD FOR ELECTROLYTICALLY REFINING ALUMINUM
Pierre Torchet, Verneuil-sur-Seine, France, assignor to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques, a French society
Application July 19, 1946, Serial No. 684,671
In France December 3, 1945
6 Claims. (Cl. 204—67)



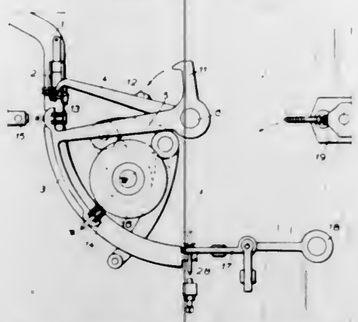
1. In a method for electrolytically refining aluminium, which comprises superposing in an electrolytic vat, a layer of molten aluminium alloy containing at least one heavy metal and free of magnesium forming the anode, a layer of melted electrolyte mixture of aluminium fluoride, sodium fluoride and an alkaline-earth chloride, the ratio of the amount of aluminium fluoride to that of sodium fluoride being greater than the corresponding ratio of the same bodies in cryolite, said electrolyte mixture having a melting point between 700° C. and 800° C., and a layer of aluminium forming the cathode, additions of aluminium to be refined to said layer forming the anode being made in the course of the refining operation, the steps consisting in daily adding to said molten alloy forming the anode an amount of alloy free of magnesium containing more than 90% of aluminium, greater than the amount of the same which includes the quantity of daily produced refined aluminium, and removing said layer forming the anode for renewing it only every 30 to 380 days.

2,582,662

MACHINE FOR PRODUCING WOOD SCREWS

Léon Viellard, Morvillars, France

Application July 18, 1946, Serial No. 684,527
In France May 9, 1946
4 Claims. (Cl. 10—5)



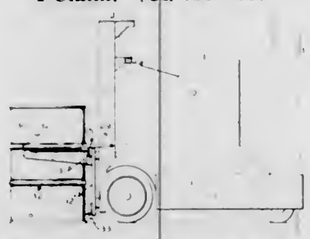
1. In a woodscrew-making machine including a pointing tool, a slotting cutter tool, and a threading tool to which tools screw blanks are successively fed over a delivery channel, blank feeding means which comprises a fixed sector in the form of part-circumferential annulus over and against which said blanks are caused to slide as they progress from said pointing to said slotting tool, then from said slotting to said threading tool, an arm adapted to rock about an axis coaxial with said fixed sector, resilient feeler means on said arm applying said blanks against said sector and causing them to slide over the sector during their said progress, and retainer levers clamping said blanks against said fixed sector to block said blanks thereagainst throughout the idle return stroke of said rocker arm to its initial position.

2,582,663

INDUSTRIAL TRUCK ATTACHMENT

Samuel Weiss, Portland, Oreg.

Application February 19, 1949, Serial No. 77,418
1 Claim. (Cl. 214—66)



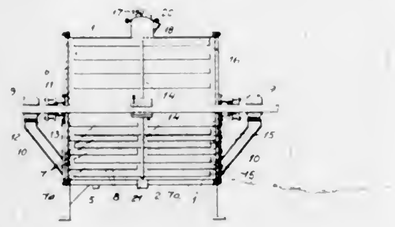
In an industrial truck having an end lift, an elevator face plate on said end lift, a transversely-extending arm-supporting member removably secured to said face plate at a slightly spaced distance in front of said plate, said member having a rib extending longitudinally along the upper portion of its rear face, a plurality of arms adapted to be movably and removably supported on said member and when so supported to extend forwardly from said member and from said lift face plate, a back plate on each of said arms adapted to bear against the front face of said member, a hook-shaped lip on the back plate of each arm so shaped as to extend over the top of said member and over said rib so as to support the arm on said member, a bracket lug extending upwardly from each back plate, a screw-threaded arm-adjusting shaft extending through and entirely supported by said bracket lugs of said arms, threaded bores in said bracket lugs for said shaft, and means carried on an end of said shaft for manually rotating the shaft in said bores to adjust the relative spacing between said arms, whereby said arms, with said adjusting shaft connecting them, can be readily mounted on or demounted from said member.

2,582,664

APPARATUS FOR REMOVING NONDESIRABLE SUBSTANCES FROM COCOA BERRIES

Olof Edwin Widén, Ljungsbro, Sweden

Original application February 20, 1941, Serial No. 379,898. Divided and this application February 27, 1948, Serial No. 11,764. In Sweden March 4, 1940
1 Claim. (Cl. 99—236)



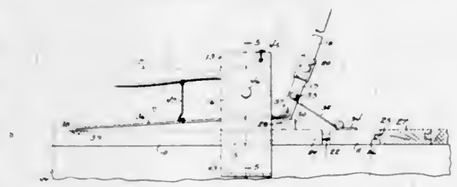
Apparatus for removing the non-desirable organic substances contained in the cocoa berry, comprising a hollow cylindrical receptacle closed at the ends thereof and having head walls said receptacle having a shaft rotatably mounted therein carrying a number of arms extending at right angles thereto, stirring arms mounted on the first-mentioned arms paralleling the shaft, and a plurality of arms rigidly secured in the head walls of the receptacle and cooperating with the stirring arms, the upper part of the receptacle having provided therein at least one suction opening and at least one opening for steam near the bottom of the receptacle, said receptacle being provided with a suction opening for the cocoa mass, so that when the same is placed under vacuum, the mass may be sucked through a pipe conduit from a storage container for the non-treated mass, and the receptacle being also provided with a tapping opening, said suction and tapping openings joined into a common opening in which is provided a T-coupling fitted with valves.

2,582,665

FLOOR JACK

Marvin Wiggins, Fort Myers, Fla.

Application November 23, 1948, Serial No. 61,579
7 Claims. (Cl. 254—16)



1. A tool for tightening tongue and groove flooring comprising a base, cam actuated gripping jaws pivotally mounted on the base for temporarily clamping the tool to a floor joist, a hub having beveled end surfaces journaled in the jaws and having an extended handle, said beveled surfaces of the hub coacting with corresponding inner surfaces of the jaws whereby upon rotation of the hub the jaws are actuated to gripping relation with the floor joist, a forcing bar carried by the forward end of the tool and slidably mounted on the said base, a hand lever pivotally mounted on the tool, a brace connecting the hand lever to the forcing bar said base having spaced teeth in the upper surface, and a latch carried by the hand lever and positioned to engage the teeth in the upper surface of the base of the tool to lock the forcing bar in operative position until the flooring is nailed.

2,582,666

ELECTRIC FARM GATE

Charles E. Young, New London, Iowa

Application December 20, 1946, Serial No. 717,483
2 Claims. (Cl. 39—7)



1. A support and operating mechanism for a gate, comprising vertical supports, a gate, means swingingly mounting the gate from the supports, a housing mounted between said supports, vertical shafts journaled in said housing, gear connections between said shafts, a motor in said housing, gear connections between said motor and one of said shafts whereby both shafts are rotated simultaneously, an apertured member on the upper end of one of said shafts, a circular plate fixed to said gate, an eccentrically mounted pin on said plate, and an operating rod having a hooked end engaged with a selected aperture in said apertured member, said operating rod provided at its other end with an elongated slot through which said pin passes whereby movement of said apertured member will open or close the gate, and the apertured member and slotted end of said operating rod constituting means through the medium of which the effective length of the operating rod may be varied.

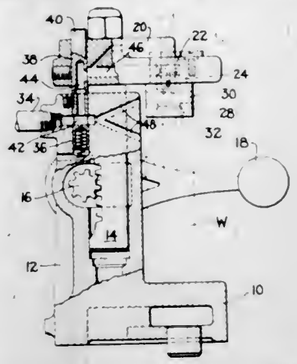
2,582,667

COOLANT DEVICE FOR TOOLS

Edward K. Allen, Jr., Worcester, Mass., assignor to Leland-Gifford Company, Worcester, Mass., a corporation of Massachusetts

Original application May 9, 1947, Serial No. 747,052, now Patent No. 2,491,635, dated December 20, 1949. Divided and this application August 4, 1949, Serial No. 108,623
1 Claim. (Cl. 77—62)

In a machine tool comprising a head having a lubricant carrying passage, a tool guiding and lubricating device on said head comprising a tool guiding bushing and a liner receiving said bushing, said liner having a radial aperture through a wall thereof communicating with said lubricant carrying passage in said head, said bushing having an exterior annular groove aligned with said aperture in the liner and a series of downwardly and inwardly directed passages extending from said annular groove solely to the inner surface of the bushing at points spaced from the lower end of the bushing, whereby the lubricant is ejected directly onto a tool in said bushing and



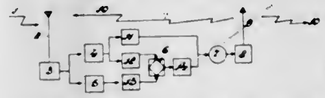
is substantially confined between the bushing and the tool in said bushing.

2,582,668

DEVICE FOR SYNCHRONIZING THE FREQUENCY OF AN OSCILLATOR TO A CONTROL OSCILLATION

Christopher Edmund Gervase Bailey, London, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application March 23, 1949, Serial No. 83,016
In Great Britain March 10, 1948
5 Claims. (Cl. 250—15)



1. Apparatus for synchronizing the frequency of an oscillation generator with that of standard oscillations modulated by a pilot signal and other signals, said apparatus comprising means to combine the generated oscillations with the standard oscillations to produce a resultant wave, means to frequency-demodulate the resultant wave and to extract solely a first pilot signal component therefrom, means to amplitude-demodulate the resultant wave and to extract solely a second pilot signal component therefrom, a phase discriminator, means to apply said first and second components to said discriminator to produce a control voltage, and means to control the frequency of said generator in accordance with said control voltage.

2,582,669

GARMENT HANGER

Richard Battle, Los Angeles, Calif.

Application June 11, 1947, Serial No. 753,919
7 Claims. (Cl. 223—89)



1. A garment hanger comprising a pair of pivotally arranged arms provided with a passage

extending therethrough about the pivot axis, means for angularly adjusting said arms about the pivot axis, and suspension means including a hook member having a pair of perforated clamping plates attached thereto, said clamping plates being provided with shoulders rotatively engaging the portions of the walls of said arms at opposite ends of said passage, whereby a ventilated cavity is formed therein for enclosing solid material such as insect repellant.

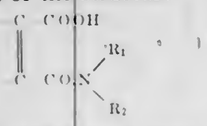
2,582,670

METHOD OF VULCANIZING RUBBER AND PRODUCTS THEREOF

David J. Beaver, St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application January 17, 1949, Serial No. 71,390
18 Claims. (Cl. 260—798)

1. The method of vulcanizing rubber which comprises heating a rubber and sulfur in the presence of a compound selected from the group consisting of acids of the structure



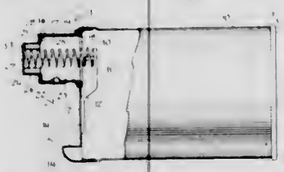
and salts thereof, where R_1 is selected from a group consisting of hydrogen, alkyl radicals of one to five carbon atoms inclusive and their monohydroxy and monocyano substituted derivatives, benzyl, phenethyl, cyclohexyl and methylcyclohexyl radicals, R_2 is selected from a group consisting of alkyl radicals of one to five carbon atoms inclusive and their monohydroxy and monocyano substituted derivatives, benzyl, phenethyl, cyclohexyl and methylcyclohexyl radicals.

2,582,671

COMBINATION DENTIFRICE DISPENSER AND TOOTHBRUSH SUPPORTING MEANS

Harold C. Blankenbiller, East Hampton, Conn.

Application December 2, 1949, Serial No. 130,713
4 Claims. (Cl. 222—126)



1. In a container for dispensing a powdered dentifrice, the combination including: an end-closure at one end of said container; toothbrush-supporting means adjacent one edge of said end-closure, said toothbrush-supporting means being a substantially-flat element constructed and arranged to project substantially perpendicularly from the plane of said end-closure and to extend with its longitudinal axis substantially transversely of a major axis thereof; and valve-means adjacent the opposite edge of said end-closure, said valve-means being constructed and arranged to project outwardly substantially perpendicularly to the plane of said end-closure and having an elongated discharge-port directly opposite said toothbrush-supporting means, said elongated discharge-port extending substantially transversely of the said major axis of said end-closure.

2,582,672

AUTOMATIC BALE TENSION CONTROL FOR BALING MACHINES

Raymond I. Bobst, De Soto, Wis.

Application June 23, 1948, Serial No. 34,798
4 Claims. (Cl. 100—23)



1. A baling machine comprising a frame, spaced substantially parallel, beam members having substantially opposite portions rigidly secured to the frame and being flexible at their remaining portions, said spaced beam members forming a compression chamber, adjustable tensioned means at the flexible portions of the beam members resiliently restraining the beam members from flexing outwardly, lever means fulcrumed on one of said beam members and supporting said adjustable tensioned means, fluid means connected to said lever means for moving said lever means about its fulcrum, an internal combustion engine having an intake manifold, a conduit connecting said fluid means and said intake manifold, valve means for admitting air to said conduit, rotatable centrifugal means, and means connected to said engine and to said centrifugal means for rotating said centrifugal means, said centrifugal means being operatively connected to said valve means to actuate said valve means.

2,582,673

CIRCUIT ARRANGEMENT FOR WAVE LENGTH MODULATION

Willem Wigger Boelens, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application July 15, 1946, Serial No. 683,696
In the Netherlands February 25, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 25, 1963
6 Claims. (Cl. 332—18)



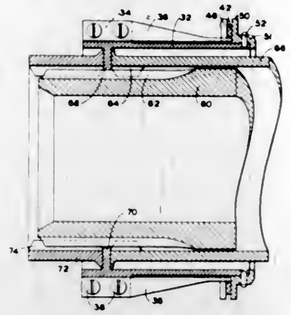
1. A circuit arrangement for wave length modulating an electric wave, comprising means to generate said electric wave, a reactance tube circuit coupled to said generating means and comprising an electron discharge tube having a plurality of electrodes, means to apply modulating potentials to said reactance tube to wave length modulate said wave, means comprising an impedance element coupled to one of the electrodes of said discharge tube to derive a voltage proportional to the amplitude of said modulating potentials, and means to combine said voltage and said modulating potentials, said impedance element having a negligible impedance value at the frequency of said electric wave and a given impedance value at the frequency of said modulating potentials thereby to produce wave length modulation of said electric wave proportional to the instantaneous amplitude of said modulating potentials.

2,582,674

OVERSPEED GOVERNOR

Walter Kenneth Bodger, Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application May 18, 1946, Serial No. 670,727
8 Claims. (Cl. 264—18)



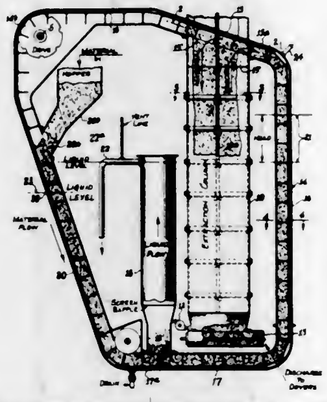
2. An overspeed governor having a rotating element including a ring surrounding a part of said element, spaced cantilever springs supporting said ring for movement substantially in a radial direction, said springs being mounted on said element and having their free ends connected to the ring, said springs extending substantially in an axial direction between the element and the ring.

2,582,675

PROCESS AND APPARATUS FOR SOAKING, FILTERING, AND SETTLING OF MISCELLA THROUGH SOLID OIL-BEARING MATERIALS AND SOLVENT EXTRACTION THEREOF

Michele Bonotto, Princeton, N. J.

Application August 9, 1946, Serial No. 689,538
4 Claims. (Cl. 260—412.4)



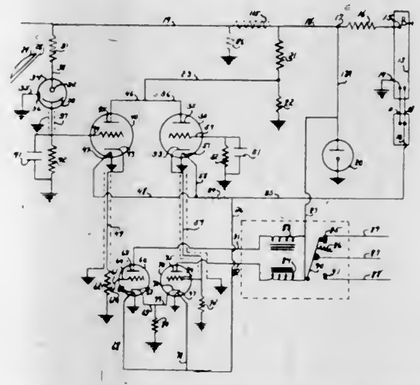
1. Apparatus for counter-current solvent-extraction of oil from oil-bearing materials comprising, in combination, a process-material-conduit having sections extending downwardly and upwardly, a conveyor continuously moving in said conduit, a feed inlet at one portion of said conduit for feeding solid process material thereto, means for feeding miscella containing fines to and passing same through said conveyor-conduit in counter-current with said solid process material to a liquid level below said feed inlet for solid material, and a settling tank having at its settling end a miscella-inlet connection with said conveyor-conduit below said liquid level to provide a loading of said material with settled fines, and said settling tank also being provided with a miscella outlet disposed above said settling end thereof to permit decanting of clarified miscella therefrom.

2,582,676

CATHODE FOLLOWER PHOTOELECTRIC AMPLIFIER CIRCUIT

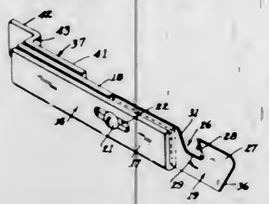
Robert W. Bordewieck, Southboro, James O. Roebuck and Neal M. Sleeper, Worcester, Mass., assignors to Moore Electronic Laboratories, Incorporated, Worcester, Mass., a corporation of Massachusetts

Application August 6, 1949, Serial No. 108,977
3 Claims. (Cl. 175—321)



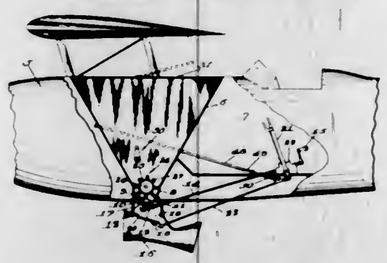
1. A light actuated control circuit comprising a source of electrical energy, a phototube circuit, a D. C. amplifier comprising a bridge circuit, a cathode follower circuit interposed between said phototube circuit and said D. C. amplifier, a relay driven by said D. C. amplifier, said phototube circuit comprising a phototube and a resistor in series having the phototube anode connected to the positive terminal of said source of electrical energy and having the phototube cathode connected through said resistor to the negative terminal of said source of electrical energy, said cathode follower circuit comprising a vacuum tube having its grid connected to the cathode of said phototube, the vacuum tube plate connected to the positive terminal of said source of electrical energy, and having the cathode thereof connected through a suitable load resistor to the negative terminal of said source of electrical energy, said bridge circuit comprising two vacuum tubes having their plates connected through suitable plate load impedances to the positive terminal of said source of electrical energy, and having their cathode connected through a common resistor to the negative terminal of the said source of electrical energy, while having the control grid of one of them connected to the cathode of said cathode follower, a second cathode follower circuit similar to the first said cathode follower circuit but having connection from its cathode to the control grid of the other said vacuum tube in said bridge circuit, said second cathode follower circuit being effective to balance out any component of voltage in the output of said D. C. amplifier due to the quiescent output voltage of the first said cathode follower circuit and being effective to maintain the improved stability realized by bridging the said D. C. amplifier.

2,582,677
CARTON OPENING KNIFE
Edward N. Burnett, San Lorenzo, Calif., assignor to Gerber Products Company, Fremont, Mich., a corporation of Michigan
Application March 7, 1950, Serial No. 148,093
4 Claims. (Cl. 30—2)



1. A knife comprising a channel-shaped handle and a blade having a relatively thin anterior portion having a longitudinal edge, a notch cut into said longitudinal edge, said notch having a bottom edge substantially parallel to said longitudinal edge and spaced inwardly with respect thereto a first connecting edge slanted inwardly and forwardly from said longitudinal edge to said bottom edge and a second connecting edge, and a sharpened slitting edge on said blade located at the anterior end of said blade disposed at an acute angle with respect to said longitudinal edge, said blade being pivotally connected to said handle and arranged to be located in two positions, in one of said positions said notch portion of said blade extending beyond one end of said handle and in the other of said positions said notch portion being concealed within the channel of said handle and said slitting edge projecting beyond the opposite end of said handle.

2,582,678
MATERIAL DISSEMINATING APPARATUS FOR AIRPLANES
Mal Carberry, Fresno, Calif.
Application March 13, 1946, Serial No. 654,163
3 Claims. (Cl. 244—136)



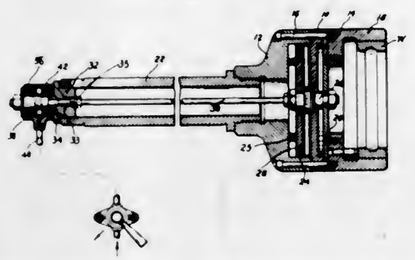
1. In combination with an airplane having an elongated fuselage providing a cockpit, an apparatus for dispensing finely divided material from the airplane comprising a hopper having downwardly convergent walls extended transversely of the fuselage, said walls having lower edges interconnected by a downwardly concave semicylindrical wall having a longitudinal axis transversely of the fuselage, the semicylindrical wall having an elongated slot formed longitudinally therein, an arcuate gate of segmental cylindrical form mounted concentrically against the wall rotatable to open and closed positions across the slot, means located in the cockpit connected to the gate for manually rotating the gate to selected positions, a cylinder of smaller diameter than the inner diameter of the semicylindrical wall mounted concentrically of the wall and having a plurality of spaced vanes extending radially therefrom in close proximity to the wall, means for rotating said cylinder, and an elongated Venturi tube having a constricted portion supported below the hopper longitudinally of the fuselage having the constricted portion thereof in communication with the slot in the semicylindrical wall, the tube being formed with a forwardly disposed air intake opening and a rearwardly disposed discharge opening.

2,582,679
GAUGE HOLDER
Wallace E. Carroll, Chicago, Ill.
Application December 21, 1945, Serial No. 636,380
1 Claim. (Cl. 33—178)



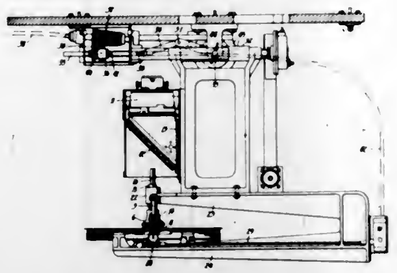
A plug gauge holder adapted to grip and hold cylindrical plug gauges of different diameters at opposite ends thereof, said holder consisting of two similar half regular polygonal prisms, each having angular axial grooves disposed in face-to-face relation, said prisms being held in spaced relation when said gauges are inserted therebetween, means intermediate the ends of said prisms adapted to draw the same toward each other and in a manner such that the sides of said grooves will tangentially engage the circumferential surfaces of said gauges, whereby the latter will firmly be held in position against axial or rotatable movement.

2,582,680
WORK HOLDING CHUCK
Albert E. Church, New Britain, Conn., assignor to Union Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application January 14, 1948, Serial No. 2,299
2 Claims. (Cl. 279—4)



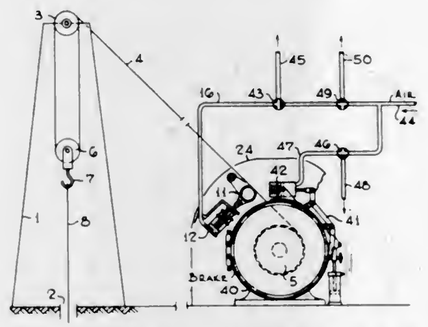
1. A work engaging chuck comprising a body member, a diaphragm therein, chuck jaws secured to said diaphragm and movable to work gripping position when said diaphragm is flexed, an axially movable plate within said chuck body attached at its center to said diaphragm, an inflatable impervious bag within said chuck body and disposed between said movable plate and a fixed wall of said chuck, means to admit fluid under pressure to said bag to displace said movable plate and flex said diaphragm, whereby said jaws are moved to work gripping position, and means to return said diaphragm to inoperative position when pressure within the bag is released.

2,582,681
SURVEYING APPARATUS
Henry John Frederick Coe, Glen Iris, Victoria, Australia
Application June 21, 1950, Serial No. 169,498
In Australia June 10, 1943
4 Claims. (Cl. 346—8)



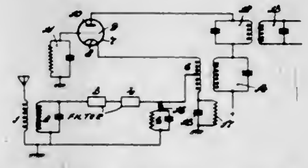
1. Means for surveying comprising in combination a vehicle, a driving wheel, means to rotate said driving wheel in proportion to the speed of the vehicle, a platen one face of which is in contact with a point on the circumference of said driving wheel, a chart supported on the other face of said platen, an annular member, a ball housing, ball bearings in said housing, a nut attaching said housing to said annular member, a spider secured to said annular member, a sleeve secured to said spider, a bearing within which the sleeve is slidable, a shoulder on said sleeve, a spring around said sleeve between said bearing and said shoulder to press said ball bearings against said chart and to press said platen against said driving wheel, and a stylus supported in said sleeve so that its point can contact said chart within the area defined by said ball bearings and in such a position that there is no displacement on the chart of the point of contact between the stylus and the chart when the platen is pivoted on said driving wheel.

2,582,682
DRILLING MOTION TAKE-OFF
Robert R. Crookston, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application June 26, 1948, Serial No. 35,312
7 Claims. (Cl. 33—129)



1. A motion take-off device comprising, in combination, a rotatably mounted drum, a working line having one end attached to said drum and coiled thereon, the other end of said line extending from said drum, a roller extending across the face of said drum, adjustable supports for the ends of said roller arranged to support it rotatably in spaced relation to the face of said drum and in variable spaced relation to the line leaving said drum; reciprocally acting means rotatably connected with said roller for moving it into contact with said line leaving the drum and means associated with said roller for transmitting the rotation thereof to a point remote from said drum.

2,582,683
SUPERHETERODYNE RADIO RECEIVER
Bernhardus Gerhardus Dammers, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 15, 1950, Serial No. 144,305
In the Netherlands February 16, 1949
2 Claims. (Cl. 250—20)

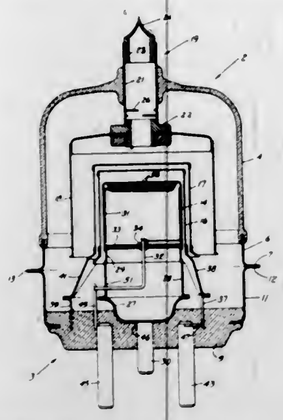


1. A mixing circuit arrangement for mixing a first wave and a second wave to produce an intermediate frequency wave, comprising an electron discharge tube having cathode, control grid and anode electrodes defining a control grid-cathode circuit, first and second impedance networks tuned respectively to the frequencies of said intermediate frequency wave and said second wave and coupled in series between said anode and ground potential, said second impedance network including an inductance, means to derive said intermediate frequency wave from said first impedance network, a third impedance network having a low impedance at the frequencies of said first and second waves interposed between said control grid and ground potential, a tapped inductive element having one end thereof coupled to said cathode and having the other end thereof coupled to ground potential, said inductive element and said second impedance network being inductively coupled to apply said second wave to said control grid-cathode circuit in positive feedback relationship, and means to apply said first wave to the tap on said inductive element.

2,582,684
ELECTRON TUBE STRUCTURE
Donald F. Drieschman, Los Altos, and Hubert H. Eaves, Palo Alto, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application July 12, 1949, Serial No. 104,198
12 Claims. (Cl. 313—252)

1. An electron tube comprising an envelope having a molded vitreous header at the lower end, concentric electrodes in the envelope including a cathode and grid, a support for the cathode sealed centrally in the header and projecting upwardly into the envelope, and supports for the grid sealed in the header in circular formation about the cathode support and projecting upwardly into the envelope, a conical mount for the grid having diverging end portions connected to said grid supports, terminal

pins for the electrodes sealed in the header and projecting downwardly from the envelope, and



means connecting the pins to the respective electrode supports.

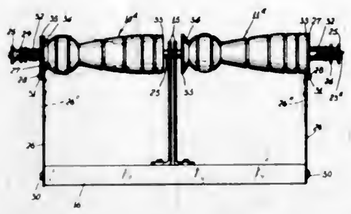
2,582,685
METHOD OF PRODUCING ELECTRICAL COMPONENTS
Paul Eisler, London, England, assignor to Hermoplast Limited, London, England, a corporation of Great Britain
Application April 13, 1948, Serial No. 20,813
In Great Britain April 15, 1947
15 Claims. (Cl. 117—8)



1. A method of producing a metallic pattern upon a non-metallic support having an adherent coating of a metal which can be liquified at a temperature which will not damage the support, which method comprises applying a hot metal surface to such areas of said metal coating required to be removed from said support, said metal surface having an affinity for the metal covering the non-metallic support, at such a temperature and for such a time that on the areas where both surfaces meet all the metal on the non-metallic support becomes liquid and adheres to the applied surface by virtue of the preferential attraction of the liquid metal of said areas to the applied hot metal surface as against the attraction of the liquid metal to the non-metallic support when the support and the hot metal surface are separated, and removing the liquid metal from the support by separating said support and applied surface, leaving the desired metallic pattern on the non-metallic support.

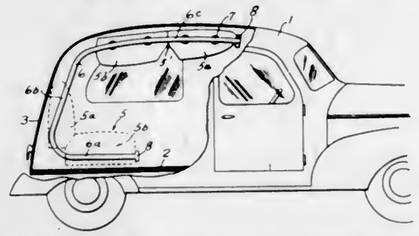
2,582,686
STIMULATING MASSAGE DEVICE
Benjamin Fabio, New York, N. Y.
Application April 6, 1948, Serial No. 19,370
6 Claims. (Cl. 128—57)

1. A massage device, comprising a base, a pair of adjacent standards projected upward from said base, a shaft supported intermediate of its ends upon the top ends of said standards, rollers rotatively mounted on said shaft on opposite sides of said standards, means supporting the ends of said shaft, and manually adjustable means on the ends of said shaft for urging said support means to frictionally engage the ends



of said roller and retain said rollers against free rotation on said shaft.

2,582,687
CONVERTIBLE VEHICLE
Leonard E. Fisher, Dayton, Ohio
Application September 18, 1947, Serial No. 774,747
4 Claims. (Cl. 296—65)

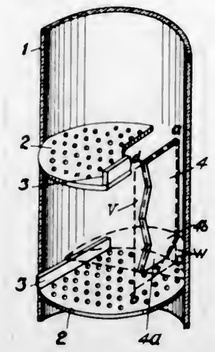


1. A vehicle body wherein a passenger seat is retractible to afford increased storage space, including a guide track upon the interior opposite side walls of the vehicle body comprising a horizontal lower portion, a horizontal upper portion and upright intermediate connecting portion merging into the horizontal lower and upper portion upon easy curves, a shiftable seat comprising flexibly intercoupled back and cushion sections having sliding engagement with the guide tracks capable of traversing the path from the lower to the upper horizontal portions of the guide tracks and vice versa, the construction and arrangement being such that when shifted to the upper horizontal portions of the guide track the seat sections will assume an extended position with the back and cushion sections thereof in inverted position in a common plane in approximate parallel relation with the roof of the body, leaving the length and width of the vehicle body therebeneath unobstructed.

2,582,688
CONTACTING TOWER CONSTRUCTION
Lloyd J. Ford, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 14, 1949, Serial No. 98,908
7 Claims. (Cl. 34—57)

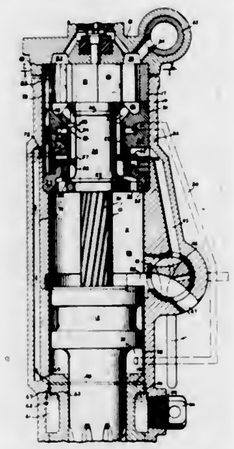
1. In a walled tower for contacting gases and finely divided solid materials, said tower having a plurality of vertically spaced transverse plate elements, a downcomer comprising a conduit having an inlet and opening into the space above one plate, a conduit wall portion extending downwardly therefrom and a discharge end opening in spaced relation to the surface of the plate next below, a skewed lower edge portion on said discharge end facing angularly toward the nearest tower wall portion, the distance of said edge

from the plate next below increasing angularly upwardly in the direction of said nearest tower



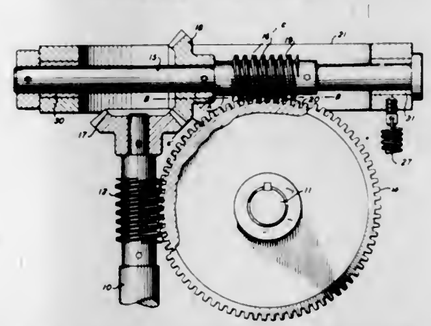
wall portion, and in upwardly diminished spaced relation to said wall portion.

2,582,689
OILING SYSTEM FOR ROCK DRILLS
Henry O. Fossum, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application August 18, 1947, Serial No. 769,176
2 Claims. (Cl. 184—55)



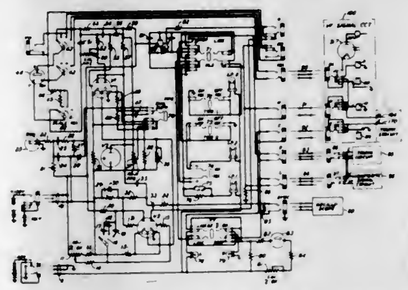
1. In a percussive tool of the class wherein a hammer piston, reciprocated by live air from a conducting passage, imparts longitudinal jars to the entire tool as a unit, a lubricating system comprising a reservoir, an oil transmission passage leading from the reservoir to a point adjacent the live air conducting passage within the tool and connecting with said passage, a sleeve in the transmission passage having a bore, a counterbore, and a tapered connecting portion, said transmission passage intersecting the sleeve at the side thereof in the region of the counterbore, a cylindrical plunger arranged within the sleeve having a main body, an extension thereto, and a tapered connecting portion, said main body and extension being arranged within the counterbore and bore of the sleeve respectively in a manner to provide a continuous clearance space between the periphery of the plunger and the sleeve for the passage of oil about the plunger, the tapered portion of the plunger being adapted to seat upon the tapered portion of the sleeve, the plunger being adapted to remain immovable by inertia in relation to the entire tool thereby to reciprocate in the oil in the transmission passage to prevent the accumulation of foreign matter therein, said plunger being further adapted to seat upon the tapered portion of the sleeve to act as a check valve to prevent the flow of oil toward the live air conducting passage upon the sudden drop in air pressure incident to shutting off the supply to live air to the tool.

2,582,690
BACKLASH ELIMINATING DEVICE
Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 6, 1949, Serial No. 91,743
4 Claims. (Cl. 74—427)



1. In a gear mechanism, the combination with a driving worm and a gear driven by the worm, of a second worm meshing with the gear, means enabling the second worm to be driven by the first worm, a pivoted support for the second worm, and a spring acting relatively between the pivoted support and the gear which turns the second worm about the axis of its pivoted support and thereby urges the second worm into contact with the sides of the gear teeth opposite to the sides normally engaged by the first worm.

2,582,691
IMPULSE TESTING AND TEST IMPULSE GENERATING SET
Walter W. Fritschi, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1948, Serial No. 57,385
8 Claims. (Cl. 179—175.2)



1. In combination in a test set for testing signaling circuits, a first vacuum tube means for generating electrical impulses, adjustable electrical timing means controlling the percent break of the impulses generated by said first vacuum tube means, an impulse transmitting relay controlled

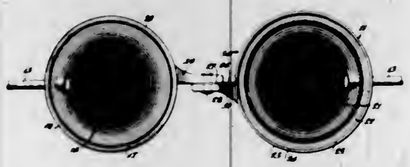
by the impulses generated by said first vacuum tube means to transmit impulses to the signaling circuit under test, other vacuum tube means for generating control impulses to trigger said first vacuum tube means, adjustable electrical timing means controlling said other vacuum tube means to generate said control impulses at a desired impulse rate, and electrical means for directly indicating the percent break of the impulses transmitted by said impulse relay.

2,582,692

SANDWICH GRILL

Lawrence J. Funke, Cincinnati, Ohio, assignor to Bar-B-Buns, Incorporated, Cincinnati, Ohio, a corporation of Ohio

Application October 23, 1950, Serial No. 191,585
3 Claims. (Cl. 99—372)



1. A device for making a sealed toasted sandwich from two slices of bread and filling material, said device comprising, a pair of complementary mold plates, hinge means connecting the mold plates to permit swinging movement of the plates toward and away from closed facial engagement with one another, each of said plates configurated to provide a relatively deep sandwich-shaping facial cavity and a flat annular rim surrounding the cavity, one of said mold plates having a peripheral flange extending facially outwardly from the outer margin of its rim adapted to receive the rim of the second mold plate in snug telescoping relationship when the two plates are swung into facial engagement with each other, whereby the flange of the one plate cooperates with the rim of the other plate to effect separation of the crust edges of the slices of bread from the bread enclosed within the mold plates, and a shearing element associated with the hinge means adapted to cut through the crust edges of the two slices of bread at the hinge means.

2,582,693

POLYMERIZATION OF CONJUGATED DIOLEFINS

Anthony H. Gleason, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application January 2, 1947, Serial No. 719,913
4 Claims. (Cl. 260—94.2)

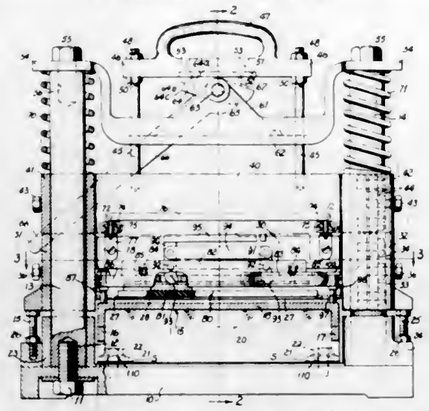
1. The process of preparing an oily to resinous polymerization product which consists of mixing a diolefin of the group consisting of butadiene-1,3 and piperylene with from 20 to 50 weight percent, based on the monomeric diolefin, of a diluent selected from the group consisting of the cyclic dimer of butadiene-1,3 and the cyclic dimer of piperylene, heating the resulting mixture at a temperature between 130° and 200° C. until a substantial proportion of the monomeric diolefin is converted to dimer, thereafter heating the total resulting dimerized reaction mixture to a temperature between 250° and 400° C. and maintaining this temperature until an oily to resinous product is obtained.

2,582,694

DEVICE FOR SEVERANCE OF RIGID MATERIALS

Theodore F. Gundlach, Belleville, Ill.

Application February 10, 1949, Serial No. 75,583
10 Claims. (Cl. 125—23)



1. In an impact type cutting device for producing a bevel margin on relatively brittle sheet and slab materials, a frame, a table serving as a support for a work piece, a knife carried by the table, a reciprocal knife laterally offset from the first knife and arranged to engage the work piece between the knives, an impact element movable to impel the knife, spring means arranged to bias the impact element toward the knife, and a spring loading device operable in a direction first to load the spring and then to release the spring to act upon the impact element and the knife, and means enabling an adjustment of the first said knife toward and from the path of movement of the reciprocable knife.

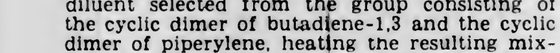
2,582,695

METHOD OF PRESERVING RUBBER AND PRODUCT THEREOF

Marion W. Harman, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application January 17, 1949. Serial No. 71,399
18 Claims. (Cl. 260—803)

1. The method of preserving a rubber which comprises treating a rubber with both an antioxidant which is the condensation product of an aliphatic ketone and an aromatic amine and with a synergist for the antioxidant which is the condensation product of a member of the group consisting of alpha-naphthol, beta-naphthol, and an hydroxy substituted benzene containing at least one but not more than three hydroxy groups and at least three hydrogen atoms linked to nuclear carbon atoms, the radicals linked to the remaining carbon atoms of the nucleus being selected from the group consisting of hydrogen, alkyl radicals containing not more than four carbon atoms and methoxy radicals, and a compound of the general formula



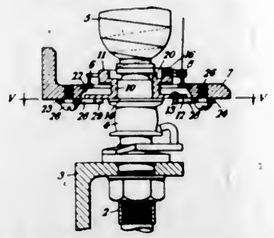
where T is an arylene thiazyl radical and X is an element of group VI of the periodic table having an atomic weight less than 33, the ratio of antioxidant to synergist being within the range of one to three parts antioxidant to one part synergist by weight.

2,582,696

DOFFING MECHANISM FOR RING SPINNING, DOUBLING, AND TWISTING MACHINES

James Jackson Haythornthwaite, Accrington, England, assignor to T. M. M. (Research) Limited, Rossendale, England

Application November 16, 1950, Serial No. 195,961
In Great Britain November 29, 1949
7 Claims. (Cl. 57—54)



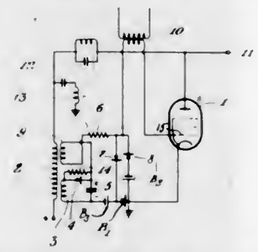
1. A ring spinning, doubling or twisting unit comprising, in combination, a spindle, a spindle rail supporting the spindle, a ring, a traveller supported on the ring, a ring rail supporting the ring, said ring rail being located above the spindle rail and the rails being mounted for relative vertical movement, a yarn package carrier detachably supported on the spindle, normally frictionally driven by the spindle, and normally occupying a fixed vertical relation to the spindle, said carrier including a yarn catch and a severing member, an interceptor carried on the ring rail and shiftable into carrier supporting position to fix the vertical relation of the carrier to the ring rail preparatory to doffing, the interceptor including a stop member, said carrier including a stop member engageable with the interceptor stop member for arresting rotation of the carrier with the spindle and the yarn package in motion to cause the yarn to be caught and held taut by the carrier catch and to be severed by the severing member, the interceptor serving to retain the carrier at the subsequent separation of the rail so that the yarn package will be supported with freedom for doffing by lateral displacement.

2,582,697

BLOCKING OSCILLATOR

Gerard Hepp, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application April 7, 1948, Serial No. 19,455
In the Netherlands April 22, 1947
5 Claims. (Cl. 250—36)



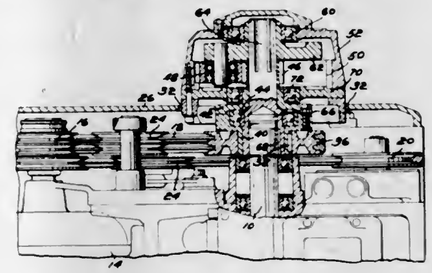
1. A circuit arrangement for generating voltage pulses comprising an electron discharge tube having a cathode, a grid and an anode, an anode circuit for applying an operating potential to said anode, a charging condenser, first and second rectifiers, means coupled to said anode circuit to derive a voltage pulse therefrom and for applying said pulse through said first rectifier across said condenser to charge same, an impedance coupled to said anode circuit to derive a positive feedback voltage therefrom, a resistance, a source of direct voltage, means to apply said feedback voltage to said resistance in series with said second rectifier and said source in the order named, a discharge network connected across said condenser and including said resistance, said second rectifier and said source in series relation, and means to apply the voltage developed across said second rectifier between said grid and said cathode, the polarity of said source being arranged in opposition to the polarity of charge on said condenser, said source having a magnitude at which when said charge falls to a predetermined value said tube produces said voltage pulses.

2,582,698

SPINDLE DRIVE FOR MACHINE TOOLS

Eric J. Hirvonen, Shrewsbury, Mass., assignor to Leland-Gifford Company, Worcester, Mass., a corporation of Massachusetts

Application September 18, 1950, Serial No. 185,445
6 Claims. (Cl. 74—801)



1. A convertible speed reduction device for a shaft comprising a housing, means to drive the shaft in the housing including a pulley, an opening in the housing alined with the pulley, a separable and replaceable unit including a housing for fixed securement to the first housing and in the opening, a sleeve rotated by the pulley, a hollow pinion gear on the sleeve, a planetary gear in mesh therewith, a fixed ring gear in mesh with the planetary, a member rotated by the planetary gear, and an axially removable spline construction between the shaft and the member.

2,582,699

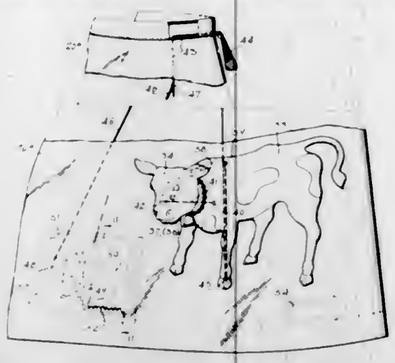
CHILD'S GARMENT WITH SOUNDING NOVELTY

Abraham Jelaso, Brooklyn, Morris Wexler, New York, and Meyer Hertzberg, Brooklyn, N. Y.

Application May 2, 1949, Serial No. 90,956
3 Claims. (Cl. 46—118)

1. In a garment having a skirt body and a member secured to the front portion of the skirt body except at one area thereof, a second member pivotally supported on the skirt body adjacent the said one area of said first member, means pivoting said second member in a downward direction, a strip member secured to the rear face of said second member and having a free end portion inserted between the adjacent faces of said first member and the skirt body at the said one area of said first member, and a pull cord secured at one end to the free end portion of said strip member, said cord having its other end projected to the inside face of the skirt body through a hole formed in the skirt body behind said first member and remote from the free end portion of

said strip member, said cord having its other end projected to the exterior of the skirt body at the waist area and having a tassel mounted thereon



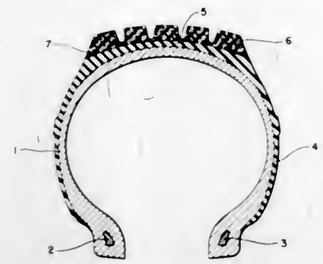
to be pulled for pivoting said second member in an upward direction against the action of said pivoting means.

2,582,700
PIPE SUSPENDING DEVICE
Marvin R. Jones, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application January 6, 1949, Serial No. 69,533
4 Claims. (Cl. 166—1)



1. A hanger device for supporting a string of well pipe including a tubular mandrel defining with first and second ends thereof threaded means for connecting same into a string of pipe and defining an internal longitudinal passageway adapted to allow flow of fluid therethrough in either direction, a plurality of segmental gripping slips mounted on said mandrel and adapted to be expanded outwardly into gripping position upon a longitudinal movement of the slips relative to the mandrel, a coiled spring surrounding the mandrel beneath the gripping slips and urging said slips upwardly on said mandrel toward their expanded position, a restraining collar encircling the mandrel and engaging the upper end of the slips to maintain the same in a lowered position against compression of the spring, and a shear pin connecting the collar to the mandrel in a position holding the slips against actuation, whereby the coiled spring cannot function to expand said slips until said shear pin is fractured.

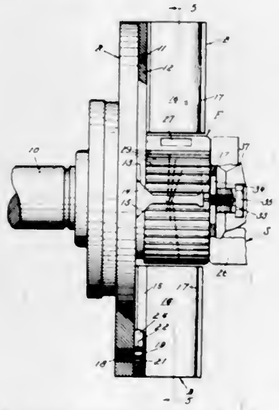
2,582,701
ANTISKID TREAD AND METHOD OF MANUFACTURE
Alfred N. Iknayan, Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 22, 1949, Serial No. 106,114
8 Claims. (Cl. 152—211)



2. An anti-skid tread composition for a pneumatic tire comprising, a thick layer of rubber composition to cover the crown portion of the tire, particles of water-soluble inorganic halide salt interspersed in said layer, and a thin coating of a composition of butadiene-styrene copolymer latex and glue interposed between the surface of the salt particles and the layer of rubber composition.

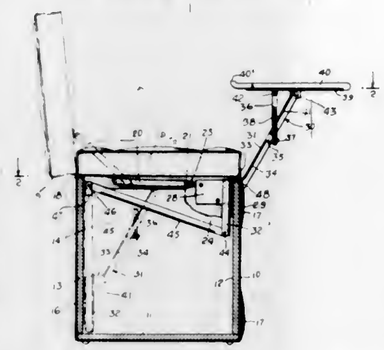
6. A method of making an anti-skid rubber tread for pneumatic tires which includes the steps of coating water-soluble salt particles with a rubber latex and glue composition and thereafter incorporating the coated particles in rubber stock to be fabricated into a tire tread having an anti-skid surface formed by voiding of the salt particles from the surface of the tread.

2,582,702
ABRADING APPARATUS
Walter L. Keefer, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application May 13, 1936, Serial No. 79,559
7 Claims. (Cl. 51—9)



1. In an abrading apparatus, an abrasive propelling rotor mounted for rotation and providing a central abrasive admitting space, a feed device for introducing abrasive into said space, a stationarily mounted support having at least one arcuately shaped aperture, said feeding device having at least one securing device projecting through said arcuate aperture and operable to clamp said feeding device in a plurality of different positions upon said support, and a stop member releasably clamped to said support and having a portion cooperating with said securing device for insuring proper assembly of said feeding device upon said support, thereby permitting said feeding device to be removed and replaced without disturbing the adjustment thereof.

2,582,703
COMBINATION HASSOCK TABLE
Harry T. Kirshbaum, Hempstead, N. Y., assignor to Cardwood Products Corp., Bronx, N. Y., a corporation of New York
Application September 29, 1950, Serial No. 187,417
10 Claims. (Cl. 155—123)

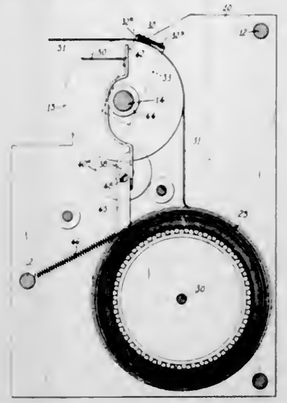


1. An article of furniture of the character described, comprising a box-shaped body defined by bottom, front, back and side walls, the body being open at the top, a member mounted on and forming a closure for the top of said body, a table unit, means movably supporting said unit in connection with said body, said unit being adapted to be contained within the body when not in use and extended beyond and supported by the body in the use thereof, said table unit comprising an upwardly and outwardly extending arm portion, means for bracing and clamping the arm portion on one wall of said body, and a table top adjustably supported in connection with said arm portion.

2,582,704
REACTION PRODUCTS OF A POLYETHYLENE MELAMINE AND AN ALKYD RESIN
Edward L. Kropa, Old Greenwich, and Henry P. Wohnsiedler, Darien, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 25, 1950, Serial No. 197,639
12 Claims. (Cl. 260—33.2)

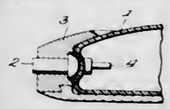
1. A composition comprising the product of reaction of ingredients comprising (1) a polyethylene melamine which is a polyamino-s-triazine wherein at least two of the amino nitrogen atoms each has one ethylene group attached thereto instead of the two hydrogen atoms and (2) an alkyd resin containing unesterified hydroxyl groups, the amount of polyhydric alcohol used in the preparation of said alkyd resin being at least 25% in excess of the theoretical amount required for complete esterification of the carboxyl groups of the carboxylic component of the said alkyd resin.

2,582,705
TAPE-DISPENSING DEVICE
Alfred P. Krueger, Stratford, Conn., assignor to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application July 12, 1946, Serial No. 683,249
12 Claims. (Cl. 164—84.5)



1. In a machine for feeding pressure-sensitive tape, a frame, feeding means rotatably mounted thereon, including a tape-advancing member having a surface to which the tape adheres, a stripping member mounted on the frame having a portion adjacent one end thereof to extend to said surface of the tape-advancing member to engage the tape and strip it from the tape-advancing member, means for rotating the other end of said stripping member, and means on the frame engaging an intermediate portion of said stripping member to permit sliding movement thereof and restrain it from movement transversely of its length.

2,582,706
WATCH
Stefan M. Kudelski, Geneva, Switzerland
Application June 20, 1950, Serial No. 169,229
In Switzerland June 23, 1949
4 Claims. (Cl. 58—90)

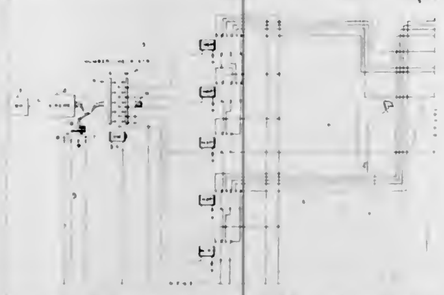


1. In a watch, having a movement and control members for operating said movement, a resiliently deformable, sealed sac enclosing said movement and said control members, in a neutral gas, said sac being deformable opposite the control members for operation of the latter.

2,582,707
TELEGRAPH SWITCHING SYSTEM WITH SEQUENCE MESSAGE NUMBERS CHECKING
George G. Light, Scarsdale, and William B. Blanton, Rockville Centre, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application July 8, 1948, Serial No. 37,555
17 Claims. (Cl. 178—2)

8. In a telegraph switching system, a switching office, a plurality of lines outgoing from said office, means at said office for storing telegraph message code groups with each group including

message directing codes and message sequence codes, transmitting means controlled by said storage medium, a sequence number indicator for indicating consecutive message sequence numbers, means including said transmitting means for comparing a message sequence number of a stored message with that in said indicator, switching equipment, a second means associated with said transmitting means for controlling said



equipment in accordance with said directing characters and connecting said transmitting means to a representative outgoing line, means dependent upon the correct comparison of the sequence number of a message with that in said indicator for initiating operation of said switching means, and means operative on the failure of the sequence number accompanying a message to correspond to that in said indicator to prevent operation of said switching means.

2,582,708
LUBRICATING OIL ADDITIVES

Samuel B. Lippincott, Westfield, N. J., and Alexander H. Popkin, New York, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 1, 1948, Serial No. 52,418
6 Claims. (Cl. 252—56)

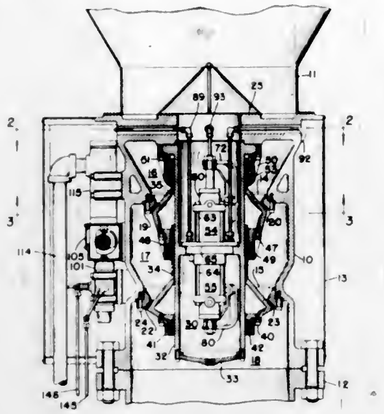
1. A product consisting essentially of an esterified condensate obtained by subjecting to a temperature of about 40°–150° C., about 1 mol of a compound selected from the class consisting of ethylene-1, 2-dicarboxylic acids, methylene succinic acids, and their anhydrides, and about 1–4 mols of butadiene monoxide wherein the esterification agent is selected from the class consisting of monohydric primary substantially straight chain alcohols, containing from 8–24 carbon atoms.

2,582,709
FEED MECHANISM

Eugene Martin, Wesleyville, Pa., assignor to Read Standard Corporation, a corporation of Delaware

Application December 21, 1949, Serial No. 134,321
4 Claims. (Cl. 214—17)

3. In a material feeding device, a body providing a pressure chamber between two valve seats, an inlet feed valve cooperating with one of said valve seats to control the inlet to said chamber, an outlet feed valve cooperating with the other of said valve seats to control the outlet from said chamber, a valve support in said chamber movably supporting said inlet and outlet feed valves, pressure fluid operated motors in said valve support for actuating said inlet feed valve and outlet feed valves, a pair of pressure fluid distributing valves outside said body for controlling the operation of said motors, means including a valve connecting said chamber with a source of pressure, means including a valve for venting said chamber, a rotatable shaft outside said body,

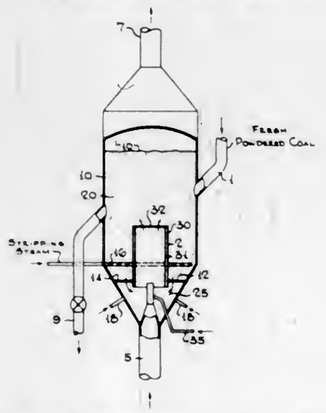


and a plurality of cams on said shaft arranged to successively contact the stems of said distributing valves, pressurizing valve and vent valve for sequential operation thereof.

2,582,710
METHOD FOR THE CONVERSION OF CARBONACEOUS SOLIDS INTO VOLATILE PRODUCTS

Homer Z. Martin, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application September 28, 1946, Serial No. 699,949
9 Claims. (Cl. 48—206)



1. The method of treating carbonaceous solids at an elevated temperature, which comprises maintaining in a treating zone a dense turbulent bed of finely divided solids having a particle size predominantly within the range of about 50–400 mesh fluidized by passing a gas upwardly through the carbonaceous solids at such velocity within the approximate range of 0.3–3 ft. per second that a lower dense fluidized phase having an apparent density of about 15–30 lbs. per cu. ft. and a superimposed dilute phase separated by an interface are formed, burning a fuel in a combustion zone separated from, confined within, and in open communication with, said bed at a temperature substantially higher than said elevated temperature, supplying solids from said

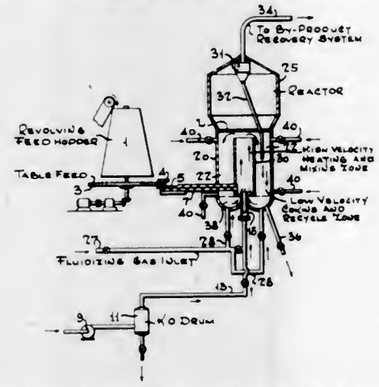
bed to said combustion zone, passing a gas upwardly through said combustion zone into said bed at a linear velocity within said combustion zone of the order of about 10–20 ft. per second and sufficiently high to maintain the apparent density of said solids in the neighborhood of about 1–2 lbs. per cu. ft., whereby carbonaceous solids in said combustion zone are entrained and carried by said second named gas in the form of a relatively dilute phase through said combustion zone into said bed, and controlling the temperature of said combustion and the supply of solids to said combustion zone so that the sensible heat of products of combustion and entrained solids entering said bed from said combustion zone is sufficient to heat said bed to said elevated temperature.

9. The method of claim 1 wherein said elevated temperature is at least 800° and not substantially higher than 2000° F. and said first named gas contains steam.

2,582,711
FLUIDIZED CARBONIZATION PROCESS

Karl J. Nelson, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application May 17, 1947, Serial No. 748,796
9 Claims. (Cl. 202—14)

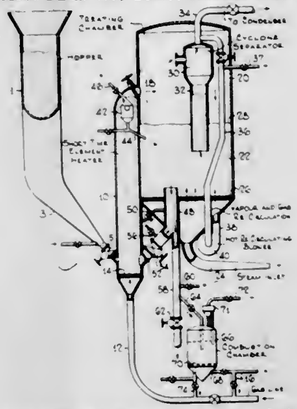


1. The method of carbonizing fresh subdivided carbonizable solids having a plastic temperature range, at a carbonization temperature not below said plastic range to produce volatile products, which comprises supplying said fresh solids directly to a confined open-ended passageway centrally arranged and terminating within a vessel, passing a free oxygen-containing gas upwardly through said confined passageway at a velocity sufficient to entrain and carry upwardly said solids, burning by said oxygen combustibles present in said passageway so as to supply directly to said passageway in direct heat exchange with said fresh solids substantially all the heat required to maintain in said vessel said carbonization temperature, overflowing said solids from the top of said passageway into and down through the annular space between said passageway and said vessel in the form of a fluidized solids mass having a density greater than that of the suspension in said passageway, maintaining the atmosphere within said annular space substantially inert to said solids and their carbonization products, passing solids from the bottom of said annular space into the bottom of said passageway by virtue of the pressure differential existing therebetween, said fresh solids being supplied from a source external to said vessel, maintaining the solids residence time in said passageway within the range of about 3–60 seconds but not substantially greater than that required to heat said fresh solids to said carbonization temperature in said passageway and insufficient completely to carbonize said fresh solids in said passageway, and maintaining said solids in said annular space for a time sufficient to complete the carbonization, carbonization temperature having been attained in the upper portions of said passageway.

2,582,712
FLUIDIZED CARBONIZATION OF SOLIDS

Frank A. Howard, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application May 17, 1947. Serial No. 748,797



1. The process of carbonizing a subdivided carbonaceous solids charge having a plastic temperature range, at a carbonization temperature above said plastic range, in the form of a dense turbulent mass of finely divided solids fluidized by an upwardly flowing gas which comprises passing a predetermined amount of said carbonaceous solids charge in intimate contact with a substantially larger amount of subdivided solid non-plastic carbonization residue and agitated by an upflowing gas upwardly through a heating zone at a heating temperature and for a time sufficient to heat said carbonaceous solids charge at least to said carbonization temperature said time being insufficient to carry out a substantial portion of said carbonization, maintaining said heating temperature by conducting a controlled combustion of combustible constituents of the solids within said heating zone, passing a mixture of carbonaceous solids charge and solid carbonization residue so heated from said heating zone to a separate carbonization zone wherein said mixture is maintained at carbonization conditions of temperature and residence time in the form of a dense turbulent mass fluidized by a fluidizing gas to carry said carbonization to completion, withdrawing product vapors and gases from said mass, withdrawing solid carbonization residue from said mass and returning at least a portion of said residue to said heating zone.

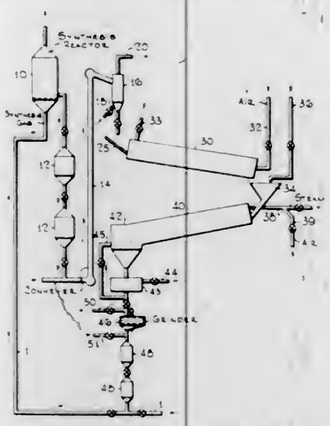
2,582,713
REGENERATION OF FISCHER-TROPSCH CATALYST

Homer Z. Martin, Roselle, and Ivan Mayer, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application November 28, 1947, Serial No. 738,536
10 Claims. (Cl. 252—418)

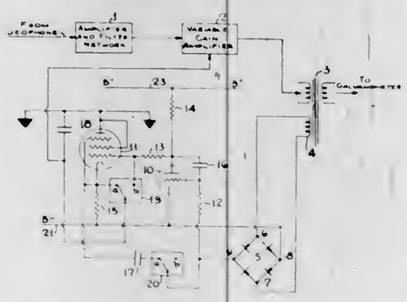
1. The process of maintaining a fluidizable particle size distribution and a low carbon concentra-

tion in a dense, turbulent, fluidized bed of finely divided carbonizing catalyst used in the synthesis of hydrocarbons from carbon monoxide and hydrogen, which comprises withdrawing carbonized catalyst containing fines having a particle size below the fluidizable range from said bed, subjecting said withdrawn catalyst in a sintering zone to an oxidizing sintering treatment adapted to remove carbon from the catalyst and simul-



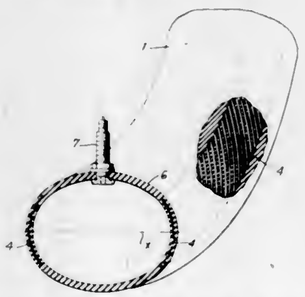
taneously agglomerate catalyst fines to larger aggregates, subjecting the oxidized and sintered catalyst in a reducing zone to a reducing treatment in the absence of extraneous hydrogen with a reducing gas generated in said reducing zone by a reaction of steam and air with a carbonaceous fuel, controlling the temperature in said reducing zone by controlling the amounts of air and steam introduced thereto, grinding the reduced catalyst to a fluidizable particle size, and returning ground catalyst to said bed.

2,582,714
AUTOMATIC VOLUME CONTROL TIME RESPONSE SWITCHING
Edwin H. Meier, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 13, 1949, Serial No. 110,189
7 Claims. (Cl. 179—171)



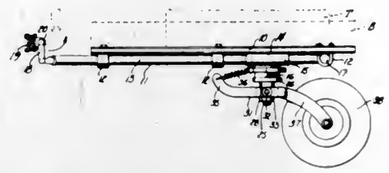
6. In an amplifier circuit for seismic signals received from a seismic pickup and fed to a seismograph through an output transformer, said amplifier circuit including a variable gain amplifier stage wherein gain is controlled by a voltage impressed on a control point therein, an improved automatic volume control circuit comprising a sampling winding on said output transformer for sampling the output signal voltage from said variable gain amplifier stage, a full wave bridge rectifier, means connecting said sampling winding with the input of said rectifier, a first vacuum tube, a first resistor connecting the control grid of said first vacuum tube with the negative output terminal of said rectifier, a first condenser connecting the control grid of said first vacuum tube with the plate of said first vacuum tube, a second vacuum tube, a second resistor connecting the plate of said first vacuum tube with the control grid of said second vacuum tube, a source of B potential, means connecting the cathode of said first vacuum tube with the negative side of said source of B potential, a third resistor connecting the plate of said first vacuum tube with the positive side of said source of B potential, a fourth resistor connecting the cathode of said second vacuum tube with the negative side of said source of B potential, means connecting the positive side of said rectifier with the negative side of said source of B potential, a second condenser connecting the control point of said fixed gain amplifier stage with the common ground of the circuit, means connecting the plate of said second vacuum tube with the common ground of the circuit, a third condenser connected to the cathode of the second vacuum tube, a first switching means having a first position and a second position and adapted in its first position to connect the cathode of said second vacuum tube with the negative terminal of said rectifier through said third condenser and in its second position to open said connection, a second switching means having a first position and a second position and adapted to its first position to connect the cathode of said second tube with the control point of said variable gain amplifier stage and in its second position to connect the plate of said first vacuum tube through said second resistor with the control point of said variable gain amplifier stage, and means adapted to throw said first and second switching means from their first position to their second position after a predetermined interval following receipt of a first impulse from said seismic pickup.

2,582,715
CURING TUBE
Robert C. Murray, Dallas, Tex., assignor to Rubber & Tire Materials Company, Dallas, Tex., a partnership
Application May 10, 1949, Serial No. 92,319
7 Claims. (Cl. 18—45)



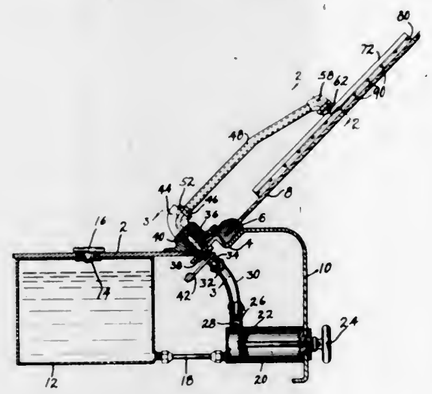
1. A curing tube of transversely elliptical cross section, the major axis of the ellipsis of said cross section being generally at right angles to the diametrical center plane of the tube and a reinforcing layer on the wall of the tube at each end of said major axis extending at substantially equal distance to both sides of said major axis and around the entire tube for equalizing the stretching of the tube.

2,582,716
TRAILER CASTER
Edwin M. Nelson, Hayward, Wis.
Application November 3, 1948, Serial No. 58,103
2 Claims. (Cl. 16—44)



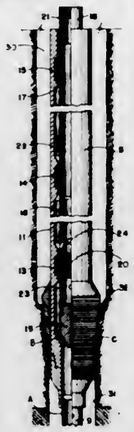
1. A caster of the class described comprising a hanger plate, a king pin supporting casing suspended from said plate, a king pin journalled in said casing, a yoke secured to said king pin and horizontally hinged to said king pin in vertical alignment with the central vertical axis of said king pin to provide a vertically aligned rockable support for said yoke, said yoke having a rearwardly extending portion, a supporting wheel carried by said rearwardly extending portion, said yoke having a forwardly extending end, a rotatable bearing assembly connected to said casing, and yieldable stabilizing means connecting said forwardly extending end to said bearing assembly.

2,582,717
WINDSHIELD WIPER
Roy M. Pierce, Spokane, Wash.
Application July 5, 1947, Serial No. 759,218
2 Claims. (Cl. 15—250.4)



1. A windshield wiper comprising a hollow bar formed with a longitudinally extending slot along its side portion and with a liquid inlet opening substantially opposite the slot, and a blade formed of rubber and having an elongated body triangular in cross section and a tubular mounting rib closed at its ends and connected with the body by a narrow neck, said rib fitting snugly in the hollow bar and formed with an inlet opening registering with the inlet opening of the bar, the said neck projecting from the bar through the slot thereof, and said blade being formed with longitudinally spaced liquid passages each having branches extending from opposite sides thereof to side faces of the body.

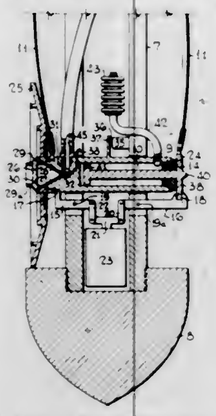
2,582,718
DRILL STEM TESTING DEVICE
Douglas Ragland, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application December 26, 1946, Serial No. 718,443
2 Claims. (Cl. 166—1)



1. A well testing tool comprising, in combination, a tubular packer mandrel, an external packer mounted on said packer mandrel for packing off the space between the tool and borehole wall, a tubular choke mandrel slidable longitudinally within the packer mandrel to assume an upper, an intermediate and a lower position therein, said choke mandrel having longitudinally spaced upper and lower ports intermediate its length, a first choke mounted within said choke mandrel above said upper port and a second choke defining a smaller flow opening than the first choke opening mounted within said choke mandrel between said upper and lower ports, a plug closing the lower end of said choke mandrel, a first stop means carried by the choke mandrel and engageable with a second stop means carried by the packer mandrel to retain the choke mandrel in its upper position with the packer mandrel hanging therefrom, a third stop means mounted at the lower end of the packer mandrel, and engageable with said plug to retain the choke mandrel in its lower position and forming passages through which fluid can flow when the choke mandrel is in said lower position, an upper packing member mounted on the inner wall of the packer mandrel at a point above said upper port of the choke mandrel, an intermediate packing member lesser in length than the distance between the upper and lower ports of said choke mandrel mounted on the inner wall of the packer mandrel at a point below the lower port of the choke mandrel and in contact with the wall of said choke mandrel when the choke mandrel is in its upper position, a lower packing member lesser in length than the distance between the upper and lower ports of said choke mandrel mounted on the inner wall of the packer mandrel below said intermediate packing member a distance greater than that between the upper port and the lower closed end of said choke mandrel and mounted above said third stop member a distance greater than that between the lower port and the lower closed end of the choke mandrel but less than the distance between the upper port and the lower closed end of said choke mandrel, said upper, intermediate

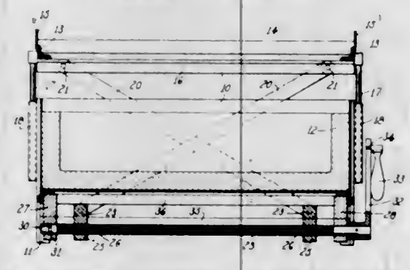
and lower packing members each making a fluid tight seal with the outer wall of said mandrel when in contact therewith.

2,582,719
OIL WELL FORMATION TESTER
George H. Ramsey, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 1, 1950, Serial No. 141,635
6 Claims. (Cl. 166—1)



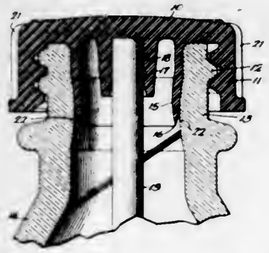
1. Improved device for testing for the presence of fluids in a formation transversed by a borehole, comprising a body adapted to be lowered into the borehole and provided with a hollow portion adapted to receive a sample of fluid, a cylinder slidably supported in a horiozntal position by said body, said cylinder having an open end, a closed end, and a recess on the exterior of the closed end, a piston slidably fitted within the open end of said cylinder, a shaped explosive charge placed within said recess, a frangible cap covering said recess, a flexible disc attached to the closed end of said cylinder and provided with a central opening communicating with said recess, spring means urging said piston and said cylinder outwardly from said body toward the walls of the borehole, releasable latching means normally opposing said outward movement of said piston and said cylinder, and conduit means connecting said recess with said hollow portion of said body.

2,582,720
BROILER
Samuel S. Roberts, New Haven, Conn.
Application September 14, 1946, Serial No. 697,085
3 Claims. (Cl. 126—25)



1. A broiler comprising a substantially rectangular firebox and a grill of substantially rectangular shape supported thereabove for raising and lowering movement, means for supporting and raising and lowering said grill comprising a pair of links pivoted to the grill at each side thereof at their upper ends, the links of each pair depending downwardly in diagonal fashion whereby they cross intermediate their ends, bars extending transversely to the firebox and projecting therefrom at their opposite ends, the lower ends of said links being pivoted to the projecting ends of the bars, rails secured below the firebox in spaced relation thereto upon which the ends of said bars are slidably supported, means for effecting relative approaching and separating movements of said bars, a guide rod secured to the grill at each corner thereof and depending downwardly therefrom, and a sleeve member secured at each corner of the firebox exteriorly thereof to receive one of said rods.

2,582,721
BOTTLE CLOSURE
Allan I. Roshkind, Chicago, Ill., assignor to A. B. Dick Company, Chicago, Ill., a corporation of Illinois
Application April 26, 1949, Serial No. 89,639
5 Claims. (Cl. 215—43)

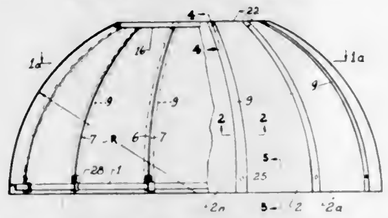


1. A closure comprising a top wall, a screw threaded skirt depending from the top wall for threaded engagement with the outer wall of the neck of the container, a tubular sleeve substantially concentric with the skirt depending from an inner portion of the top wall and dimensioned to be of slightly greater outside diameter than the inner diameter of the neck and of greater length than the threaded portion of the skirt whereby the side wall of the tubular sleeve is deflected inwardly and a sealing relation is established even before the threaded engagement is effected, and a cylindrical section depending from the central portion of the top wall in concentric spaced relation with the sleeve, a dispenser having a supporting shaft, and means forming a part of the cylindrical section for securing the end of the shaft thereto in the assembled relation.

2,582,722
PREPARATION OF SILICA-ALUMINA BEAD CATALYST
Robert E. Schexnalider, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 3, 1947, Serial No. 777,854
3 Claims. (Cl. 252—448)

1. A method of preparing synthetic silica alumina gel catalysts for the conversion of hydrocarbons which comprises reacting a solution of sodium aluminate with a solution of sodium silicate to thereby form a silica alumina hydrosol, dispersing the resultant hydrosol as fine droplets in a water immiscible liquid at a temperature between about 80° and 200° F., maintaining said droplets dispersed in said water immiscible liquid until the hydrosol particles are converted to hydrogel particles, then adjusting the pH of the hydrogel particles while still dispersed in said water immiscible liquid to between 5 and 6, then separating the hydrogel particles from said water immiscible liquid, then adjusting the pH of the separated hydrogel particles within the range of about 3.8 to 4.5, then water washing the hydrogel particles substantially free of sodium ions, drying and activating the gel particles.

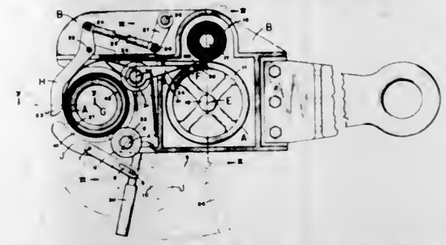
2,582,723
DOME-SHAPED ROOF
Robert Stemmons, Middletown, Ohio, and Walter L. Edel, Louisville, Ky., assignors to Clayton & Lambert Manufacturing Company, Louisville, Ky., a corporation of Delaware
Application March 10, 1948, Serial No. 14,035
10 Claims. (Cl. 108—32)



10. An improved semi-spherical roof comprising: a horizontal succession of sections, each section curving and tapering upwardly, from a base circle extending concentrically around the vertical axis of the sphere to a smaller similarly extending circle, with each of its side margins opposing the adjacent side margin of an adjacent section at a joint line which extends along a great circle of the sphere, each curved section having its side margins bent over its convex face to form opposed channels which open toward each other, each channel having a bight or fold edge which, when the sections are in assembled relationship, opposes the adjacent fold edge of an adjacent section along the great circle joint line extending between them and a straight circular free edge which is substantially parallel to said great circle joint line; and means for securing said sections together in assembled relationship, said means including a securing strip of substantially uniform width, and of C-shape in cross section to provide opposed grooves opening toward each other, said strip being arranged over the great circle joint line between adjacent sections with one of its grooves receiving the adjacent straight circular free edge of the channel on one section and with its other groove receiving the adjacent straight circular free edge of the channel on the adjacent section.

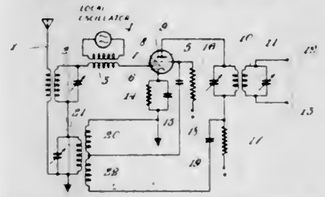
2,582,724
PIPE SPINNER
Albert L. Stone, Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application March 30, 1949, Serial No. 84,436
13 Claims. (Cl. 255—35)

1. A pipe spinner for rotating a section of pipe about its longitudinal axis comprising, in combination, a frame member, a drum mounted on said frame member for reversible rotation about a first axis, a leaf spring having at least one end thereof preformed in a spiral coil mounted on said drum in a coil with the outer end of the coil free, a driving roller mounted on said frame member contacting said spring for uncoiling said spring from the first axis, a power means mounted on the frame mechanically coupled to said driving roller and to said drum, a guide finger mounted on said frame adapted to fit between the free outer end of said spring and the next adjacent coil for uncoiling the spring from a coil about said first axis and a gate member



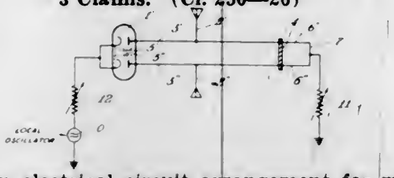
hingedly mounted on said frame for arcuate movement about a second axis parallel to said first axis, said gate member comprising a projecting ledge adapted to support the lower edge of said coil spring, said gate member defining a circular path for coiling the outer free end of said spring about the longitudinal axis of said section of pipe as it is being unwound from said first axis.

2,582,725
FREQUENCY CHANGING CIRCUIT ARRANGEMENT
Maximiliaan Julius Otto Strutt and Aldert van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 2, 1946, Serial No. 680,964
In the Netherlands May 3, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 3, 1963
6 Claims. (Cl. 250—20)



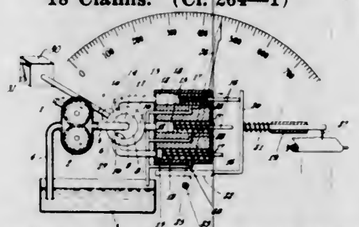
1. An electric circuit arrangement for mixing a first wave and a second wave, comprising an electron discharge tube having cathode, control grid, accelerating and anode electrodes, first means intercoupling said control grid and cathode electrodes and constituting a control grid-cathode circuit, second means intercoupling said accelerating and cathode electrodes and constituting an accelerating electrode-cathode circuit, third means intercoupling said anode and cathode electrodes and constituting an anode-cathode circuit, an output circuit coupled to said anode, means to apply said first and second waves to said control grid to develop in said output circuit an intermediate frequency wave, an impedance element connected in common to said anode-cathode and said accelerating electrode-cathode circuits, and means to couple said impedance element to said control grid-cathode circuit in regenerative relationship at said intermediate frequency to apply said intermediate frequency wave to said control grid.

2,582,726
MIXING CIRCUIT ARRANGEMENT
Adelbert van Weel, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 2, 1946, Serial No. 680,930
In the Netherlands March 27, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 27, 1963
3 Claims. (Cl. 250—20)



1. An electrical circuit arrangement for mixing a first wave and a second wave, comprising the following elements in series circuit arrangement and in the order named, a first impedance element, first and second mixing elements arranged in parallel relationship, a second impedance element having distributed electrical constants and being coupled in push pull relationship to said mixing elements and a third impedance element, means coupled in series with said impedance elements to apply said first wave in the same phase to said mixing elements, and means coupled to said second impedance element at a point of optimum matching to apply said second wave to said mixing elements, said first and third impedance elements being adjustable relative to each other to tune said series circuit to the frequency of said first wave and to provide at said second impedance element a point which is a potential node for said first wave substantially coincident to said point of optimum matching.

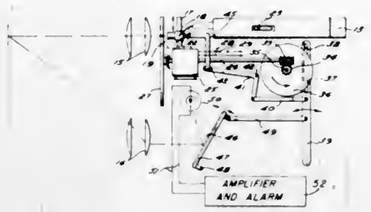
2,582,727
PROCESS AND DEVICE FOR THE MEASURING OF ROTATIONAL VELOCITIES
Werner Wahli, Berne-Bumpliz, Switzerland
Application December 27, 1946, Serial No. 718,836
In Switzerland January 19, 1946
18 Claims. (Cl. 264—1)



1. A process for measuring rotational velocities comprising the steps of driving a fluid pump at the speed to be measured, segregating quantities of fluid delivered by the pump in cyclically successive periods of predetermined duration, and measuring the quantities separately.

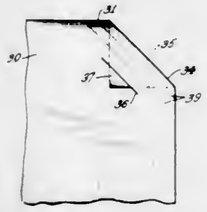
4. A device for the measurement of rotational velocities, comprising a fluid pump adapted to be driven at the rotational speed to be measured, a measuring chamber for fluid delivered by said pump and a control element, disposed between said pump and said measuring chamber, and adapted for the performance of two functions in the course of the performance of one of these functions pumped fluid is supplied to the measuring chamber and in the course of the performance of the other function pumped fluid is evacuated therefrom.

2,582,728
INDICATOR FOR THE BLIND
Joseph B. Walker, Hollywood, Calif.
Application February 4, 1947, Serial No. 726,361
3 Claims. (Cl. 177—352)



1. In a device of the character described, means including a light source to direct a beam of light in a predetermined direction, a lens assembly interposed in said beam of light, means to shift said first-named means relative to said lens assembly to divide said beam of light and direct separate beams of light eccentrically through said lens assembly, electrical means to produce an audible signal actuated in response to a pulsating current, means to intermit said light beams at different frequency, and means activated by said light beams to energize said electrical means to produce sounds of different frequency corresponding to the frequencies of the pulsations of said respective light beams.

2,582,729
COMBINED ADDRESS AND FILE CARD
Frank Lloyd Wassell, Westport, Conn., assignor to Georgene Parkin Wassell, Westport, Conn.
Application March 27, 1946, Serial No. 657,505
1 Claim. (Cl. 101—149.4)

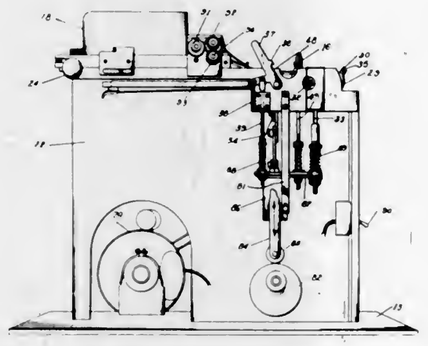


A card for use in a filing system, said card comprising a main body portion, a flap at one corner of the main body portion, and a print reproducing material, the main body portion having an obverse side, a reverse side and a slot, the flap being connected to the main body portion by a fold line and being folded against the reverse side of the main body portion, the slot being spaced from the fold line for releasably retaining the end of the folded flap, and the print reproducing material being sandwiched between the folded flap and the reverse side of the main body portion covered by the folded flap, the main body portion further having an indicia receiving area on the obverse side between the fold line and the slot, said indicia receiving area being of a size and shape to receive an address or index mark and said print reproducing material being opposite and co-extensive with the indicia receiving area to make a reproducible impression of the address or index mark on the reverse side covered by the flap.

2,582,730
MODIFIED AMINOPLAST COMPOSITIONS AND PRODUCTS
Henry P. Wohnsiedler, Darien, and Edward L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 25, 1950, Serial No. 197,641
18 Claims. (Cl. 154—43)

1. A composition of matter comprising (1) a product of reaction of ingredients comprising (*a*) an aldehyde and (*b*) a monomeric amidogen compound containing not less than two amidogen groupings each having at least one hydrogen atom attached to the amidogen nitrogen atom, and (2) at least one substance of the class consisting of polyethylene melamines, alcohol-reaction products of a polyethylene melamine and amine-reaction products of a polyethylene melamine, the ingredients of (1) and (2) being employed in a weight ratio of from 25 to 97 per cent of the former to from 3 to 75 per cent of the latter, and the aforementioned polyethylene melamine being a polyamino-s-triazine wherein at least two of the amino nitrogen atoms each has one ethylene group attached thereto instead of the two hydrogen atoms.

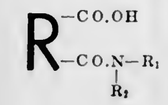
2,582,731
STAPLING MACHINE FOR APPLYING LABELS
Ernest H. Young, Niagara Falls, N. Y., assignor to Comstock & Wescott, Inc., Cambridge, Mass., a corporation of Massachusetts
Application July 20, 1948, Serial No. 39,756
8 Claims. (Cl. 1—42.6)



1. In a machine for applying a label to an article, a head having a recess therein, means for supporting a plurality of labels, means for moving a label from said supporting means to a position overlying the recess, a trip lever mounted for movement on the head and having a portion arranged laterally of said recess and above the lowermost portion of the recess so that the lever is moved downwardly when the article is moved downwardly into the recess, a folding arm mounted for swinging movement on the head to engage a free end of the label, means for swinging said folding arm upon depression of said trip lever to engage and turn the label about the article in said recess, stapling means operable to staple portions of the label embracing the article to each other, and means to operate said stapling means.

2,582,732
METHOD OF VULCANIZING RUBBER AND PRODUCT THEREOF
Richard O. Zerbe, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 17, 1949, Serial No. 71,400
16 Claims. (Cl. 260—795)

1. The method of vulcanizing a rubber which comprises heating a rubber and sulfur in the presence of a small amount of a compound selected from the group consisting of acids of the structure

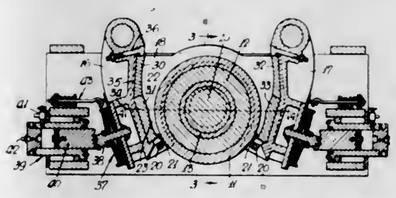


and salts thereof where R is an alkylene group containing more than one but less than four carbon atoms and where R_1 and R_2 are selected from the group consisting of hydrogen, alkyl radicals of one to five carbon atoms inclusive and their monohydroxy and monocyano substituted derivatives, benzyl, phenethyl, cyclohexyl and methylcyclohexyl radicals.

2,582,733
METAL PROTECTING COMPOSITIONS
John C. Zimmer, Union, and Gordon W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 5, 1949, Serial No. 125,836
3 Claims. (Cl. 106—14)

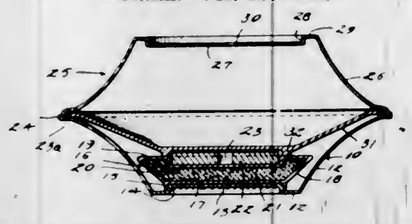
1. A non-corrosive metal protective composition consisting essentially of from 90% to 99% by weight of a mineral base lubricating oil and from 1% to 10% by weight of methyl amine petroleum sulfonate wherein the molecular weight of the uncombined petroleum sulfonic acid is between 350 and 500.

2,582,734
HORIZONTAL GYRATORY ROLL CRUSHER
Charles A. Adams, Monticello, N. Y.
Application June 27, 1946, Serial No. 679,665
8 Claims. (Cl. 241—142)



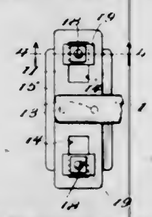
2. In a crushing device, a frame, rotating eccentric means rotatable about an axis supported by said frame, said eccentric means including a generally cylindrical drum-supporting means, a crusher drum supported wholly on said drum-supporting means, and rotation-resisting means cooperating between said frame and said drum-supporting means for resisting rotational motion of said drum, said last-defined means including an axially projecting stop member carried by said frame and engageable in a radially extending slot at one end of said eccentric means.

2,582,735
HOT PLATE
Antoine L. Alaj, Arlington, Va.
Application March 28, 1949, Serial No. 83,917
1 Claim. (Cl. 126—246)



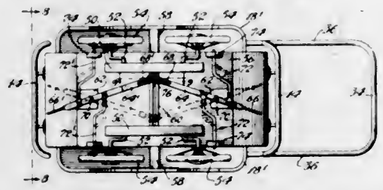
A hot dish container comprising a member formed with a flared side wall upon the upper edge of which the rim of a dish is adapted to seat, an upwardly extending flange carried by said side wall within which the dish loosely engages, said member having a bottom wall, said bottom wall having an upwardly offset central wall portion, a relatively thin closed housing within said member spaced from the flared side walls and seated on said central wall portion, heat insulating means in said housing, said housing and insulation being removable as a unit, a depending annular flange carried by said housing engaging about said offset central portion to thereby hold said housing concentric to said member and spaced from the flared side wall, a downwardly offset recess formed in the top wall of said housing, and a disc-shaped heat retaining element in said recess and projecting above the top wall of said housing for close heat exchange relation with the bottom of a dish seated on said side wall, the combined closed housing and heat retaining element being of a height no greater than substantially half that of the flared side wall.

2,582,736
DOOR-GASKET CORNER CUTTING TOOL
Onorino Altieri, Cecil, Pa., assignor of one-half to Leonard Rettinger, Cecil, Pa.
Application February 20, 1948, Serial No. 9,917
1 Claim. (Cl. 30—178)



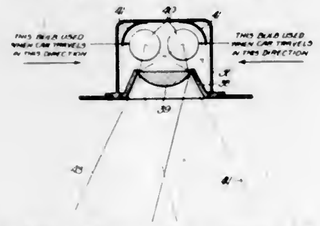
In a door gasket corner cutting tool, the combination which comprises a pair of pivotally connected handles having die carrying jaws extended beyond the pivotal connections thereof, one of said jaws having a base plate providing an anvil thereon and the face of said anvil being in a plane extended through the pivotal connection of the handles and positioned midway between the handles with the tool in the closed position, the other of said jaws which carries the cutting dies having an elongated rectangular shaped attaching plate with spaced slots therein transversely positioned on the face thereof, a cutting die having an elongated base plate with notches in the ends spaced from and positioned below said attaching plate, lugs having shoulders with flat sides positioned in the slots of the said attaching plate and said lugs having flanges extended from the edges and positioned between the attaching plate and face plate of the die, coacting lugs having threaded holes therein and also having flanges extended from the edges positioned with the lugs also extended into the slots of the attaching plate and with the flanges extended over the said attaching plate, said coacting lugs also having flat sides positioned to engage the slots of the attaching plate, and the lugs with the flanges positioned between the attaching plate and base plate of the die having bolt holes therethrough positioned in registering relation with the threaded holes of said coacting lugs, and bolts positioned in the notches in the ends of the base plate of the die, and extended through said lugs with the bolt holes therein and threaded into the lugs having the threaded holes therein for adjustably clamping the die to the said attaching plate.

2,582,737
BRAKE AND HANDLE ARRANGEMENT FOR BABY CARRIAGES
Robert S. Aries, New York, N. Y.
Application February 18, 1948, Serial No. 9,071
2 Claims. (Cl. 280—47)



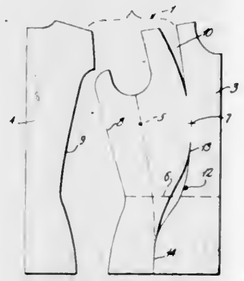
1. Baby carriage comprising a body provided with handle-receiving structures at each end of the body, whereby a propellant handle can be attached to either end of the carriage, and a brake mounted on said body, the brake including two levers extending substantially longitudinally of the carriage in end to end relation, each lever being pivoted around a point intermediate of its ends and terminating in a treadle at its outer end, the levers being pivoted to each other at their inner ends, the pivot of the levers being slidably arranged along a horizontal line transversally of the carriage, at least one lever having connected thereto at least one brake arm adapted for movement to and from its operative position.

2,582,738
INTERIOR ILLUMINATION SYSTEM FOR VEHICLES AND RECESSED TWIN BEAM FIXTURES THEREFOR
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Continuation of application Serial No. 563,171, November 13, 1944. This application July 8, 1949, Serial No. 103,705
5 Claims. (Cl. 240—7.35)



1. A lighting fixture for vehicles of the type described for producing adjacent selective twin lighting beams comprising an overhead support having illumination housing means associated therewith and provided with a downwardly opening light-transmission aperture, electric light sources in said housing means disposed in pairs and spaced longitudinally of the support, electric wiring means for said sources including individual circuits for all corresponding sources in said pairs and a master switch for selecting a circuit to energize either of said sets of corresponding sources, whereby beams may be generated by corresponding sources of either set as determined by the direction of travel of the vehicle, and transparent light-focusing means on said housing means over the aperture therein for directing laterally divergent intensified individual beams downwardly from the selected sources

2,582,739
DART FOR TORSO-FITTING LADY'S GARMENT
Louise Armour, Washington, D. C.
Application April 7, 1950, Serial No. 154,603
4 Claims. (Cl. 2—93)



1. In a lady's torso-fitting garment, a dart comprising an opening having acute opposite ends, one terminating beneath the bust point adjacent thereto and the other terminating below the waistline at a point in a line extending downward from the lowermost point of the arm scye in a plane perpendicular to the plane of the waistline, said opening being progressively widened from each end towards the middle, the intermediate part of said opening being intersected by the waistline.

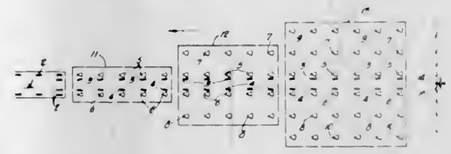
2,582,740
PHONOGRAPH RECORD COMPOSITION COMPRISING VINYL RESIN AND BUTADIENE-ACRYLONITRILE COPOLYMER
Joseph W. Ayers, Easton, Pa., assignor to Agrashell, Inc., a corporation of Delaware
No Drawing. Application September 17, 1947, Serial No. 774,684
1 Claim. (Cl. 260—17.4)

A phonograph record molding composition comprising a vinyl chloride-vinyl acetate resin containing at least 70% by weight of the vinyl chloride component, a rubbery butadiene-acrylonitrile copolymer present in an amount of about 10% based on the weight of the vinyl resin, an additional plasticizer for said resin in an amount of about 5 to 6% based on the amount of the vinyl resin and a lignocellulose extender present in an amount of about 82 to 125% by weight of the vinyl resin.

2,582,741
PHONOGRAPH RECORD MOLDING COMPOSITIONS AND RECORDS
Joseph W. Ayers, Easton, Pa., assignor to Agrashell, Inc., a corporation of Delaware
No Drawing. Application October 18, 1947, Serial No. 780,749
16 Claims. (Cl. 260—9)

1. A thermoplastic phonograph record molding composition having therein an extender composed of a finely divided, hard, ligno-cellulose filler containing at least 45% of combined pentosans, hexosans and lignins, the particles of which are not more than 30 microns in diameter and 90% of which are finer than 25 microns.

2,582,742
APPROACH SYSTEM FOR LANDING AIRCRAFT
John B. Bartow, Blue Bell, Pa., assignor to Bartow Beacons, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 20, 1946, Serial No. 655,702
24 Claims. (Cl. 177—352)



1. An approach system for guiding an aircraft pilot toward a landing runway during landing of the aircraft especially under adverse weather conditions, comprising a plurality of rows of light projectors arranged to form an approach corridor aligned with and leading to said runway, said projectors being adapted to project horizontally narrow and vertically wide light beams, and other rows of light projectors parallel to the corridor-forming rows on the opposite sides of the corridor and forming therewith an approach area, said other projectors being adapted to project vertically narrow and horizontally wide light beams.

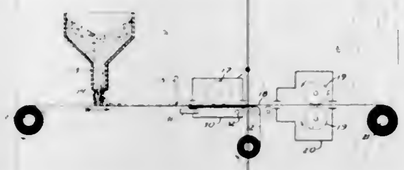
2,582,743
PARA-TERTIARY BUTYLCYCLOHEXANYL ACETATE
Martin Bollmann, Krefeld-Uerdingen, and Erwin Kroning, Krefeld, Germany, assignors to Farbenfabriken Bayer, Krefeld-Uerdingen, Germany
No Drawing. Application October 25, 1949, Serial No. 123,535. In Germany October 1, 1948
1 Claim. (Cl. 260—488)

p-Tertiary butyl cyclohexanyl acetate.

2,582,744
METHOD OF MAKING COMPACT METAL STRIP AND ELECTRODE PRODUCED THEREFROM
Joseph B. Brennan, Cleveland, Ohio
Application August 3, 1948, Serial No. 42,306
5 Claims. (Cl. 175—315)

1. A method of making a thin at least substantially solid metal strip comprising the steps of spraying molten metal particles to form an elongate porous metal strip solely composed of sprayed particles, rolling the strip to reduce its gauge and eliminate at least some of the porosity thereof by densifying the strip, such rolling also providing the strip with substantially uniform

gauge transversely thereof, annealing the rolled strip, and repeating the alternate rolling and annealing operations until a thin at least substantially solid metal strip of desired gauge is produced.

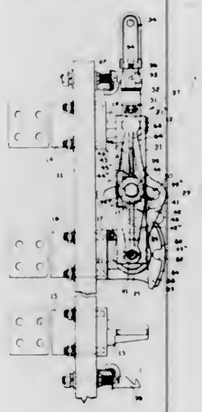


2,582,745

DOUBLE-THROW CLAMP TIGHT SWITCH

Arthur S. Caswell, Philadelphia, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 21, 1946, Serial No. 671,173
6 Claims. (Cl. 200—170)



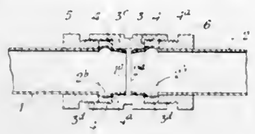
1. In a clamp tight double throw switch, a pair of terminals, a contact blade, an operating handle for said blade, a single screw having two nuts threaded thereto on opposite ends of said screw, a pair of contact operating links, a cam follower for each of said links, one end of each of said links being secured to an individual one of said nuts, a pair of tension springs secured at one end to said screw and at their other ends to said operating handle, a pair of clamping plates, each of said nuts being secured to an individual clamping plate, a cam individual to each of said cam followers each having a recess, said cam followers registering in its associated recess when said operating handle is in neutral position, said springs acting as centering springs to maintain said handle in its neutral position, said links being movable in response to a movement of said handle toward either of said terminals, means controlled by said cams and cam followers for effecting through said links more rapid movement of said contact blade than the movement of said handle to effect engagement of said terminal before completion of movement of said handle, means controlled by one of said cams responsive to further movement of said handle for rotating its associated nut on said screw, the movement of said nut operating one of said clamping plates to clamp said contact blades against said terminal, and means whereby the particular nut operative is selectively dependent on the terminal engaged by said contact blade.

2,582,746

COUPLING FOR PIPES AND TUBES

William Robert Champion, Croxley Green, England; Mary Ann Champion and Jack K. Carpenter administrators of said William Robert Champion, deceased

Application February 21, 1946, Serial No. 649,202
In Great Britain April 30, 1945
5 Claims. (Cl. 285—193)



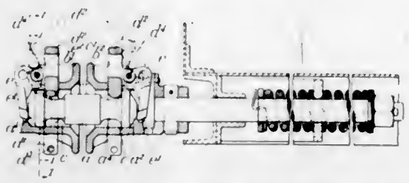
1. Coupling means for ductile metal pipes provided with an outwardly swaged collar near the end of each pipe and a tapering end portion immediately adjacent said collar, the taper being directed toward the pipe end, said coupling means comprising a tubular coupling support provided with substantially cylindrical sockets, each freely receiving a tapered end portion as a forced fit, and with relatively hard circumferential abutment corners, each to engage an end portion adjacent the face of the respective collar on the side of the pipe end, and compression members, each being slidably and rotatably mounted on a pipe and threadedly engaged with the coupling support to abut against the opposite face of the collar and to press one of said corners against the engaging end portion surface to make the corner penetrate into said surface in the region where the tapered end portion merges into the collar to form a counterpart seating for said corner and thus a fluidtight line contact seal.

2,582,747

COUPLING FOR RAILWAY AND LIKE VEHICLES

John Cecil George Cossey and George Henry Smith, Wolverhampton, England, assignors to A. B. C. Coupler & Engineering Company Limited, Wolverhampton, England

Application February 25, 1948, Serial No. 10,654
In Great Britain March 6, 1947
12 Claims. (Cl. 213—92)



1. A coupling for railway vehicles and the like comprising in combination a coupling member adapted to be inserted into the coupler head of a vehicle, a coupling pin adapted to be inserted into the coupler head to retain the coupling member in position in the coupler head, and latch means carried by the coupling pin to hold the same in uncoupled position and to effect automatic coupling and passing through a slot formed in the upper part of the coupler head, the slot being of two widths of which the narrower portion is nearer the coupling pin and said latch means being provided with projections on each side which can pass through the wider portion of the slot but which extend beyond the sides of the narrower portion of the slot.

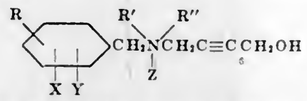
2,582,748

QUATERNARY AMMONIUM COMPOUNDS HAVING A HYDROXYBUTYNYL SUBSTITUENT

Willard J. Croxall, Bryn Athyn, and Sidney Melamed, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application January 4, 1951, Serial No. 204,481
7 Claims. (Cl. 260—567.6)

1. As new chemical substances, compounds of the formula



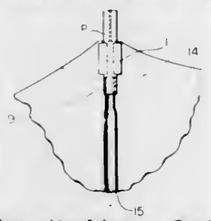
wherein R is an alkyl group of eight to sixteen carbon atoms, X and Y are members of the class consisting of hydrogen and the methyl group, R′ and R″ are alkyl groups of not over two carbon atoms, and Z is a salt-forming anion.

2,582,749

SECURING MEANS FOR UMBRELLA TOPS

Domenick December, Brooklyn, N. Y.

Application March 1, 1949, Serial No. 78,907
7 Claims. (Cl. 135—36)



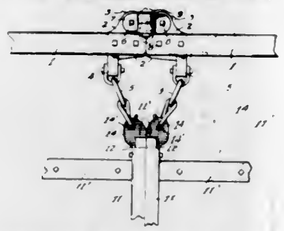
2. Means for attaching a flexible cover to a framework containing extensible and collapsible ribs, comprising a clip having a central section and portions connected to opposite ends of the central section and formed into tubular sleeves, the cover having a part at its edge laid on said section between the opposed ends of said sleeves and gripped by the overturned sides of said section, said part and said clip being doubled upon the surface of the cover, with one sleeve extending outward with respect to said edge and compressed and the other sleeve being open and extending in the opposite direction to receive the end of a rib, and the edges of the sides bearing tightly upon said cover.

2,582,750

MULTIPLE HARROW DRAFT DEVICE

Patrick L. Donovan, Peoria, Ill.; Mary J. Donovan executrix of said Patrick L. Donovan, deceased

Application August 18, 1947, Serial No. 769,099
12 Claims. (Cl. 55—84)



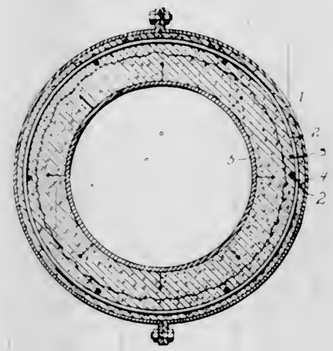
1. A structure for use in a harrowing equipment including a sectional draftbar whose sections are adapted to swing relative to each other in the direction of advance, a pair of pivotally connected members adapted to swing relatively in a given plane, and each pivotally connected to a separate draftbar section of two sections adjacent each other, a pair of parts normally abutting each other, each independently and pivotally connected with one of the named members and each adapted to swing from its abutting relation in a plane at right angles to the plane of swinging movement of said members, said plane of movement of the latter lying at right angles to the direction of travel of the equipment.

2,582,751

METHOD OF PRESTRESSING REINFORCED CONCRETE PIPES

Frank Lionel Fitzpatrick, East Malvern, Victoria, Australia, assignor to Rocla Limited, Springvale, Victoria, Australia, a company of Victoria, Australia

Application March 16, 1949, Serial No. 81,761
In Australia May 3, 1948
6 Claims. (Cl. 25—154)



1. A method of pre-stressing reinforced concrete pipes comprising first constructing an outer layer of the pipe wall, with the necessary steel reinforcement embedded therein, and, when the concrete of this outer layer has set and hardened adequately by the chemical reactions of the cement in said concrete, applying an inner layer of concrete to build up the wall of the pipe to the required thickness, removing or relaxing the outer mould, applying pressure of sufficient degree to expand the outer layer and thus stress the steel reinforcement by an expansible core to the inner surface of the pipe before the concrete of said inner layer has hardened chemically to an appreciable degree, maintaining this pressure until the concrete of said inner layer has hardened sufficiently to withstand the inward pressure exerted by the tension on the steel reinforcement, and then relaxing this core pressure.

2,582,752

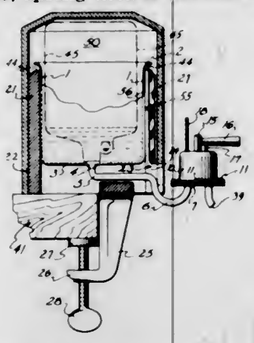
LIQUID DISPENSING UNIT WITH VENTED TRAP

Jesse Harr, South Orange, N. J.

Application July 22, 1949, Serial No. 106,190
3 Claims. (Cl. 222—442)

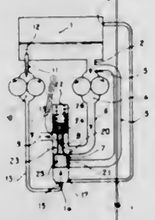
1. A liquid dispensing unit comprising a flat base having at least two openings radially disposed around a center, a resilient gasket on said base and having an open area in juxtaposition with the openings on said base, an inverted-cup shaped cap mounted over said gasket, a flat lip projecting from the edge of said cap adjacent the

gasket in parallel relation to said base, fastening means for removably fastening said cap onto said base and tightly against said gasket, a centrally disposed opening in the top of said cap, a cylindrical tube having one end attached to said opening and disposed within said cap, a shaft disposed within said tube in liquid sealing relation thereto and having one end protruding out of said cap, a flat plate attached at its center to the end of said shaft disposed within said cap and of width large enough to cover said openings in said gasket, an opening in said plate superimposable over one of the openings in the gasket by rotation of said plate, spring means around said tube in-



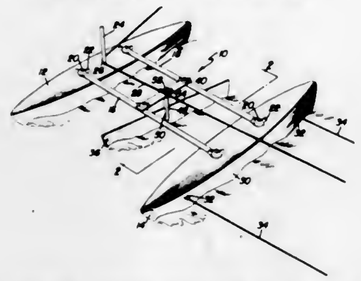
side said cap for impressing a thrust upon said plate against said base openings, a long, small diameter vent tube projecting from the top of said cap, exteriorly disposed moving means for moving said shaft and said plate into open or closed position and comprising a handle on that end of the shaft protruding out of the top of said cap, and capable of rotating said shaft and said plate, a discharge outlet in said base below one of the openings in the gasket to serve as a discharge for the contents in said cap, a transfer tube attached to the opening in the base, other than the discharge opening, and a vertically disposed liquid container attached to the other end of said tube for feeding liquid therethrough.

2,582,753
APPARATUS FOR EMPTYING RESERVOIRS
Armand Pierre Herbelleau, Paris, France, assignor to Societe dite: Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Societe Anonyme, Paris, France, a French company
Application March 23, 1948, Serial No. 16,583
In France March 31, 1947
5 Claims. (Cl. 103—11)



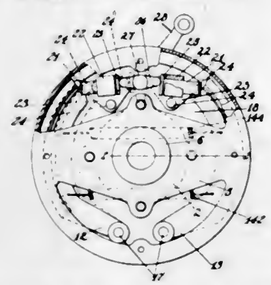
1. Apparatus for emptying liquid from a tank comprising in combination a tank, a first pipe leading from the bottom of said tank, a pump arranged in said pipe, a second pipe branching from said pipe on the suction side of said pump and by-passing said pump, an emptying pipe for the apparatus, a three-way valve device common to the delivery side of said first pipe, said second pipe and said emptying pipe for putting into connection either the delivery side of said pump and emptying pipe of the apparatus or the delivery side of said pump and the above mentioned second pipe and means for moving the valve of said three-way valve device in the position in which it makes connection between said delivery pipe of said pump and said emptying pipe when the liquid in said tank is above a predetermined level and for moving said valve in the other position in which it cuts the said connection and makes connection between the delivery pipe of said pump and the above mentioned second pipe when the liquid in the tank has sunk below a predetermined level.

2,582,754
BOAT TROLLER
Oscar H. Kahler, Pueblo, Colo.
Application April 10, 1950, Serial No. 154,936
2 Claims. (Cl. 43—43.13)



1. A trolling device comprising a pair of pontoons, elongated spaced parallel rods extending between and terminally secured to said pontoons to hold them in spaced parallel relation, means for securing one of said pontoons to a fishing boat, a trolling line extending between said rods, means for retaining said trolling line on the other of said pontoons, a rudder, means for retaining said rudder in longitudinally adjusted position on said rods between said pontoons, and means for adjustably securing said rudder on said rudder retaining means at a desired angle between and relative to said pontoons, wherein said second-named means includes a vertical rod carried by said other pontoon, said trolling line hooking around said vertical rod.

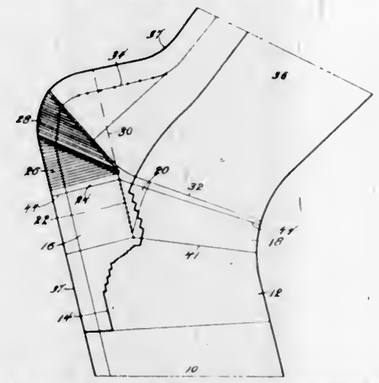
2,582,755
INTERNAL EXPANDING BRAKE
Richard Joseph Kenny, Yeovil, England
Application September 18, 1947, Serial No. 774,859
In Great Britain May 8, 1947
2 Claims. (Cl. 188—78)



1. The combination of a hollow rotary element having at least one pair of internal convergent

circumferential braking surfaces, with a non-rotary element, a pair of brake shoes having arcuate inclined braking surfaces for co-operation with each pair of circumferential braking surfaces of the rotary element and pivoted on the non-rotary element for movement into and out of frictional relationship with said braking surfaces of the rotary element, said brake shoes being capable of displacement on the non-rotary element into a completely withdrawn position with the peripheral edges thereof clear of the inner peripheral edges of the braking surfaces of the rotary element, so as to permit of axial displacement of the rotary and non-rotary elements, one with respect to the other, spring means connected to the brake shoes to urge them out of frictional relationship with the braking surfaces of the rotary element, and brake applying means including guiding means mounted on the non-rotary element and plungers arranged for reciprocation in said guiding means with one end of each plunger in engagement with one of the respective brake shoes, said guiding means and plungers being removable from the non-rotary element to enable the brake shoes to be moved into the completely withdrawn position.

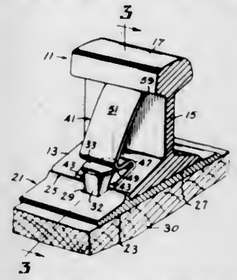
2,582,756
STOCKING BLANK AND METHOD OF KNITTING
Max C. Miller, Cumberland, R. I.; Ida L. Miller executrix of said Max Curtis Miller, deceased
Application December 6, 1946, Serial No. 714,562
21 Claims. (Cl. 66—187)



1. A knitted stocking blank comprising with an ankle portion, a heel portion comprising left and right upper heel areas with an instep area interposed therebetween of the same length with said upper heel areas, said upper heel areas and instep area being shaped to provide a combined upper heel and interposed instep area wider toward its lower end, and lower heel areas comprising inwardly tapered gores formed of short courses of varying length extending inwardly and providing continuous selvage edges with the upper heel areas.

2,582,757
SPIKE RETAINING DEVICE
Lou Quin Moore, Pueblo, Colo.
Application December 28, 1948, Serial No. 67,635
4 Claims. (Cl. 238—375)

4. A spike lock of the character described, comprising a unitary strut member of resilient strap metal having a substantially flat bifurcated lower end directed outwardly and away from the upper portion of said member and adapted to engage vertical edge portions of the head of a driven spike nearest the body of a railroad rail secured by said spike, said member having a reversely curved intermediate portion in continuation of said bifurcate portion and bent outwardly thereover to overlie and contact the head of said spike, said lock member having also an extended upper strut portion in continuation of



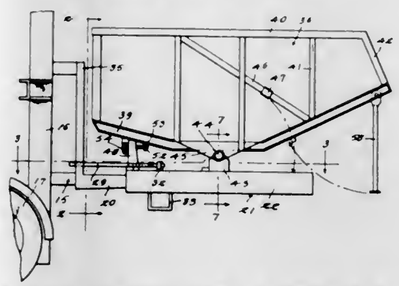
said intermediate portion, the extreme end of said strut portion being adapted to engage said rail substantially at the juncture of the ball and the web of such rail when said member is under longitudinal compression, to apply a constant pressure to the head of said spike, thereby urging said spike in the general direction of driving.

2,582,758
FISHING LINE SNAP ACTUATOR
Archie D. Rose, Laramie, Wyo.
Application April 26, 1950, Serial No. 158,178
4 Claims. (Cl. 43—15)



1. A fish hook snap actuator comprising a tubular casing having openings in the sides thereof, a cylinder having gripping dogs thereon slidably mounted in the casing, said cylinder being positioned to be gripped through the openings of the casing, a plunger positioned in the cylinder for expanding the said dogs to gripping relation with the casing, a spring in the casing with one end attached to the cylinder and the other to the casing, means attaching a fish hook to the plunger, and means attaching a fishing line to the casing.

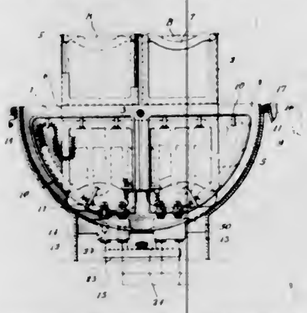
2,582,759
DUMP BOX ATTACHMENT FOR HYDRAULIC FORK LIFT
Chester V. Sass, Redding, Calif.
Application January 22, 1951, Serial No. 207,189
4 Claims. (Cl. 214—120)



1. A scoop attachment for a lifting fork comprising a base, a pair of horizontally disposed

rearwardly opening sockets carried by said frame, means releasably securing the lifting fork in said sockets, a scoop, means pivotally mounting said scoop on said frame, latch means for releasably locking said scoop in a substantially horizontally disposed carrying position, and a pivoted ground engaging member dependingly carried by said scoop engageable with the ground upon lowering of the fork for swinging the scoop upwardly from a discharging position to a carrying position.

2,582,760
TOASTER
Carl Schoonmaker, New York, N. Y.
Application July 30, 1946, Serial No. 687,142
3 Claims. (Cl. 99—391)



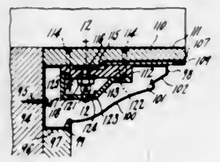
1. A toaster comprising a casing open at the top, a transverse shaft supported at the top of said casing, the bottom of the casing being substantially semi-cylindrical with respect to the axis of the shaft, quadrant shaped frames supported in the casing with their curved sides adjacent the bottom side, the frames being at both sides of said shaft, heating conductors supported in said frames, the latter having binding posts to which the conductors are attached, insulators bearing terminals mounted in the bottom of the casing engaging said binding posts, a bar mounted on the shaft offset from the plane of said frames, and U-shaped receiving members comprising channel bars disposed side by side and base to base and secured to said bar, said shaft being rotatable to move said receiving members past the heating element.

2,582,761
ACTUATING MECHANISM FOR PICKING STICKS
Edward W. Shertz, Upper Darby, and Robert S. Work, Kennett Square, Pa., assignors to Lansdowne Steel & Iron Company, Morton, Pa., a corporation of Pennsylvania
Application July 31, 1950, Serial No. 176,844
8 Claims. (Cl. 139—145)



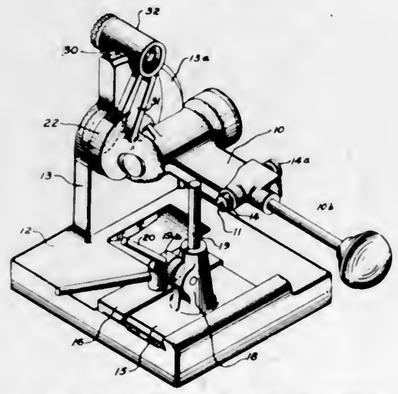
1. In a loom having a picking stick for actuating a shuttle, a frame, a picking lever pivotally mounted on said frame, a pair of brackets mounted on said frame, a tubular picking spring housing removably mounted in said brackets, a picking spring enclosed in said housing, an inner spring guide extending through the bore of the picking spring, an abutment on said guide for compressing the spring upon movement of the guide, an actuating rod connected to said guide, connecting means between said rod and the picking lever, a picking stud roller detachably mounted on said picking lever, a picking knock-off lever pivotally mounted on the frame, walls on said picking knock-off lever defining a recess adapted to receive and to retain said picking stud roller, a rerovable heat treated forward terminus for said recess, and means including a rocker arm for pivoting the picking lever to compress the picking spring and to seat the picking stud roller in the recess on the picking knock-off lever.

2,582,762
RADIANT HEATING INSTALLATION
Elbert De F. Tidd, Clinton, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 24, 1949, Serial No. 134,949
8 Claims. (Cl. 219—19)



1. A radiant heating structure comprising an angular raceway having a top horizontal wall and a vertical side wall and adapted to fit at the junction of a wall and ceiling of the room, the top wall of the raceway having spaced openings therein, electrical radiant heating ceiling panels extending from the raceway and covering the openings therein, electrical connecting means extending into the raceway from the panel at the said openings, and a snap-on cover cooperating with the top wall and side wall of the raceway so that the raceway constitutes an essentially complete enclosure.

2,582,763
APPARATUS FOR DRESSING VALVE SEAT GRINDING FOR CONVEX VALVE SEATS
Glenn C. Wilhide, Towson, Md., assignor to The Black & Decker Manufacturing Company, Towson, Md., a corporation of Maryland
Application October 3, 1946, Serial No. 701,002
4 Claims. (Cl. 125—11)

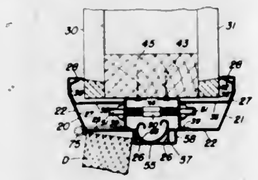


1. A valve seat grinding wheel dresser comprising a base structure having a vertical extension, a member pivotally mounted to said extension with the pivot axis horizontal, said member being adapted to be clamped with respect to said extension in a selected position, a pivot shaft carried by said member with its axis intersecting at right angles the pivot axis of said member, a horizontal slideway on the base, a slide in the slideway, the direction of movement of said slide being at right angles to the direction of the pivot axis of said member, vertical spindle means on the slide for rotatively supporting a grinding wheel, said spindle means being vertically adjustable to determine the wheel height, and an arm carrying a wheel dressing point intermediate its ends and having one end pivotally carried by said pivot shaft with the other end free to be manually swung about said pivot shaft whereby said wheel dressing point may be swung in an arc across the grinding wheel.

2,582,764
MANUFACTURE OF CARBON ELECTRODES
Bruce L. Bailey, Niagara Falls, N. Y., assignor to Great Lakes Carbon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 28, 1948, Serial No. 29,943
10 Claims. (Cl. 18—54.7)

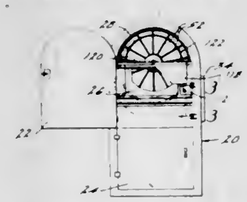
1. A process for making shaped carbon bodies which comprises forming a mixture of particles of raw, uncalcined coke made by coking a heavy, liquifiable, hydrocarbon to a volatile content exclusive of water of about 8% to about 20%, and a plasticizing agent, said plasticizing agent being largely converted to carbon under the baking conditions and being neither substantially vaporizable nor substantially thermally decomposable below 500° F.; at least partially alloying said plasticizing agent with said coke particles to convert said coke particles to a material which is plastic under applied mechanical pressure by heating said mixture to a temperature of about 100° F. to about 400° F., said heating being discontinued before the alloy formed is rendered non-plastic; compressing the hot plastic material so produced to form a shaped body; and baking said shaped body with a gradual upheat to about 1000° F. to 2000° F. to carbonize it.

2,582,765
DOOR AND WINDOW TRIM
Lewis J. Brew, Rochester, N. Y.
Application August 4, 1948, Serial No. 42,389
7 Claims. (Cl. 189—46)



1. A casing for an opening in a wall of a building comprising a pair of opposed frame members which are adapted to embrace opposite faces of the wall around the edge of the opening, each of which has a terminal edge adapted to abut against a face of the wall adjacent the opening, a portion adapted to extend generally parallel to the wall in spaced relation thereto, a portion projecting inwardly from the last-named portion beyond said terminal edge and a terminal edge strip projecting from the last-named portion in a direction away from the face of the wall that bounds said opening and in a direction generally parallel to the first-named portion the terminal edge strips of the two frame members being parallel and spaced from one another when the frame members are mounted in position, means for drawing the frame members bodily toward one another to clamp them to the wall about the opening, and a covering member which is of U-shape in cross-section and which, when in position, encloses the terminal edge strips of the two frame members with said strips lying within its leg portions and with the inside of one of its leg portions abutting against one of the terminal edge strips, said covering member having flexible straps secured to its inside surface at spaced intervals to engage the opposed faces of said terminal edge strips to hold the covering member resiliently in position.

2,582,766
VENDING MACHINE
Henry A. Burggrabe, Detroit, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application July 22, 1948, Serial No. 40,183
14 Claims. (Cl. 312—97.1)

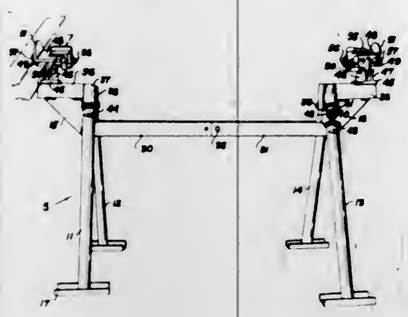


1. A vending machine comprising means for supporting the articles to be vended, said means being movable in one direction to facilitate loading thereof with articles to be vended, a delivery chute, means operable to move said means in said one direction, index said means and deliver a vended article through said delivery chute, a shutter operable to open and close said chute, means mounted on said shutter and engaged by said first named means to move said shutter to open said chute, said last named means normally engaging said first named means, between operations of the latter, to hold said shutter in position to close said chute, and means for withdrawing said last named means from engagement with said first named means to prevent interference of said last named means with said first named means during movement thereof while loading said first named means with articles to be vended.

2,582,767
TRUCK CHASSIS SUPPORT
Clinton C. Carey, Springfield, Ohio, assignor to Kenosha Auto Transport Corp., Springfield, Ohio, a corporation of Ohio
Application July 27, 1948, Serial No. 40,899
4 Claims. (Cl. 296—1)

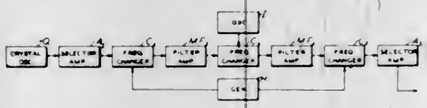
2. In a mounting structure of the character described, a pair of spaced connecting members each adapted with a pair of upwardly converging detachable legs, a tubular member attached to each connecting member adapted to interlock forming a cross bar extending transversely between said pairs of legs, plates secured to the top of said connecting members, spaced companion ears carried by said plates, a clamp adapted to be secured to the chassis of a truck to be carried

mounted with a semi-circular ear depending from the clamp base and positioned between said com-



panion ears, and a bolt passing through aligned openings in said ears establishing a pivotal connection therebetween.

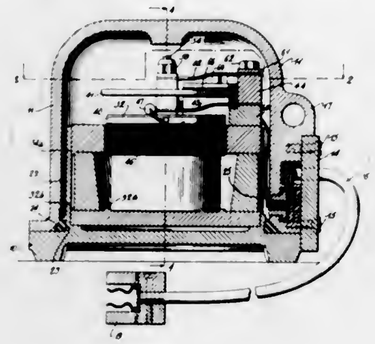
2,582,768
FREQUENCY TRANSPOSING DEVICE
Marcel Colas, Malakoff, France, assignor, by mesne assignments, to Compagnie Generale De Telegraphie Sans Fil, Paris, France, a corporation of France
Application March 29, 1946, Serial No. 658,159
In France July 19, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 19, 1964
9 Claims. (Cl. 250—36)



1. A frequency converter arrangement for bringing a signal frequency into a lower frequency range with a high degree of precision, comprising a generator with stabilized frequency, an auxiliary generator with frequency adjustable in a range of the order of magnitude of the range which contains the signal frequency, two frequency changers coupled to combine the frequency of the said auxiliary generator respectively with the frequencies of the signal and of the generator with stabilized frequency and to obtain respectively two intermediate frequencies each different from the component frequencies, and a third frequency changer in which the two said intermediate frequencies are combined to produce the converted frequency, the frequency of the auxiliary generator and that of the generator with stabilized frequency being so chosen that the said converted frequency is independent of the frequency of the auxiliary generator.

2,582,769
SEISMOMETER
Richard L. Congdon, Dallas, Tex., assignor to General Instruments Inc., a corporation of Delaware
Application June 24, 1948, Serial No. 35,001
2 Claims. (Cl. 177—352)

1. A seismometer that comprises a base member having an upstanding cup-shaped flange thereon, a circular, low reluctance plate seated in said base member within said flange, a cylindrical high strength permanent magnet bolted to the center of said plate and extending upwardly therefrom, a ring-shaped high strength permanent magnet positioned on said plate around said cylindrical magnet and spaced therefrom within said flange, a ring-shaped pole piece mounted on top of said ring-shaped magnet within said flange and with its inner surface spaced from the outer surface of said cylindrical magnet to form a high flux density air-gap therebetween, means for securing said ring-shaped pole piece within said flange, a cylindrical coil form adapted to be positioned in and be for movement in said air-gap, a disc-shaped mass adapted to be positioned above said coil form,



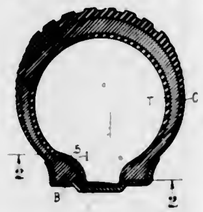
means for fastening said coil form and disc-shaped mass together, two leaf springs attached to and supporting said disc-shaped mass and coil form, means for supporting said leaf springs, said means including an arcuate member extending approximately 150° horizontally around said disc-shaped mass and including a groove overlying the edge of said disc-shaped mass to limit the movement of said disc-shaped mass both vertically and horizontally, means for attaching said supporting means to the ring-shaped pole piece, a coil of conductive material on said coil form, means for connecting said coil of conductive material to a point outside of said seismometer, and a cover member shaped to fit tightly against said base member and completely cover the working parts of the seismometer.

2,582,770
TUBE PATCH
Charles A. Cornell, Johnstown, Ohio
Application June 23, 1949, Serial No. 100,789
1 Claim. (Cl. 152—367)



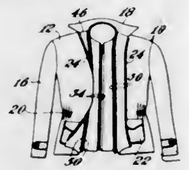
A tube patch comprising a heavy body layer formed of plastic rubber gum which in its uncured state has a maximum modulation of plasticity of Mooney —30, said body layer having been pressed and cured in a flexible press so that it has a flat face and a convexly curved opposed face so that it gradually decreases in thickness from its thick relatively rigid center in all directions to its edge to provide a highly flexible feather edge and said cured body layer having a durometer hardness of 35 to 45, and a relatively thin attaching layer secured to the flat face of said body layer in completely covering relationship thereto and consisting of quick-cure but uncured rubber gum which will cure at a temperature of from 280° to 306° F. without pressure in approximately five minutes or will self-cure when on a repaired tube in a tire casing in about one week at normal driving speeds and temperatures, said body having its flexible feather edge terminating within the edge of said attaching layer, and a protective covering layer on the outer surface of said attaching layer.

2,582,771
TUBE PATCH
Charles A. Cornell, Johnstown, Ohio
Application November 10, 1949, Serial No. 126,597
2 Claims. (Cl. 152—367)



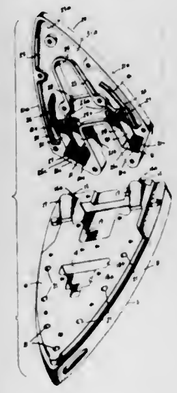
1. A repaired tube mounted in a tire casing including a patch formed solely of rubber material and comprising an elongated injury-covering section disposed on the tube over the injury and beneath the bead and having an outer edge which is substantially straight, said section extending circumferentially and with the straight edge terminating substantially at the upper edge of the bead and having an inwardly extending securing tab of gradually increasing flexibility.

2,582,772
COMBINATION GARMENT
Manuel Egbert, Newton, Mass., assignor to Barrie Sportwear, Inc., Boston, Mass., a corporation of Massachusetts
Application March 22, 1950, Serial No. 151,158
9 Claims. (Cl. 2—97)



1. A combination garment comprising nested outer and inner parts, each part having an outer dress side and an inner unfinished side, a front opening and closure fasteners for the mating edges of the front openings, said parts being arranged in nested relation with the dress side of the outer part outside and the dress side of the inner part next to the wearer so that the unfinished insides are juxtaposed, and said parts being constructed and arranged so that they lie in contact throughout with corresponding edges at opposite sides of their front openings in registry, and fasteners joining the parts at the front of the garment consisting of cooperating elements spaced laterally of the edges and fixed to the opposed surfaces of the parts and extending from the bottom hem at one side of the front opening upwardly around the neck opening and downwardly to the hem at the opposite side, said elements when engaged joining the parts together with the marginal edges thereof at the front opening free to be fastened and unfastened without separation of the parts.

2,582,773
SOLEPLATE STRUCTURE FOR ELECTRIC STEAM IRONS
Frank E. Finlayson, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Original application September 11, 1946, Serial No. 696,298, now Patent No. 2,557,732, dated June 19, 1951. Divided and this application December 9, 1947, Serial No. 790,525
2 Claims. (Cl. 38—77)



1. A steam iron comprising a soleplate provided with a pointed front end and a heel end at the rear, with a flat pressing surface on its bottom and with a flat heating surface on its top substantially parallel and co-extensive with said pressing surface, and in addition provided with a series of ports spaced at intervals along its sides and interconnecting said pressing and heating surfaces, a U-shaped heating element embedded in said soleplate between said two surfaces to apply heat to said soleplate and to the surfaces and having its bight at the forward end of said soleplate and its two legs extending along the side portions thereof toward the rear, said heating element being formed to emanate less heat per unit length in said bight than in said legs, said soleplate having formed therein a steam generating cavity in said heating surface located substantially at the center of said soleplate relatively removed toward the rear from said bight and intermediate said two legs, and a cover plate substantially coextensive with and covering said heating surfaces provided with means defining a series of channels extending from said cavity first backwardly and thence forwardly along said heating surface into a generally U-shaped channel located along the forward parts of the sides of said surface and around its point, and a pair of side channels at the rear connected with the two legs of said U-shaped channel, and said latter pair of channels and said U-shaped channel connecting with said ports.

2,582,774

METHOD AND APPARATUS FOR CALIBRATION OF X-RAY GAUGES

Frederic Fua, New York, N. Y., assignor to X-Ray Electronic Corporation, New York, N. Y., a corporation of New York

Application October 4, 1947, Serial No. 777,897
14 Claims. (Cl. 250—83.3)



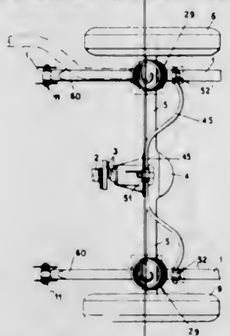
12. In X-ray gaging apparatus, in combination, a comparison sample of the material to be gaged, an X-ray tube having a target of material which has a characteristic radiation of wave length longer than that of an absorption edge of the material to be gaged but within the valley of the curve following that edge, a first photocell arranged in the X-ray shadow of said comparison sample and adapted to be excited in response to X-ray from said tube passing through said comparison sample, a second photocell arranged spaced from said tube to provide space for the insertion of an unknown sample of the material to be gaged and adapted to be excited in response to X-ray from said tube, a variable plate voltage supply to said tube, and electrical means for comparing and sensibly indicating the excitation of said photocells, said electrical means comprising an amplifier receiving as input the output of both photocells and a photocell balancing rheostat in the circuit between one of said photocells and said amplifier for independently adjusting the relative magnitudes of the photocell outputs reaching said amplifier.

2,582,775

AUTOMOBILE SUSPENSION SYSTEM

Dante Giacosa, Turin, Italy

Application August 3, 1948, Serial No. 42,157
In Italy August 4, 1947
8 Claims. (Cl. 267—11)



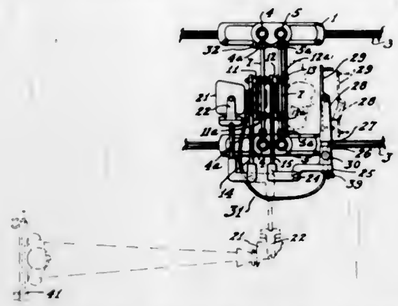
1. In a motor vehicle having a frame, a rigid axle between the two rear wheels and helical springs between said axle and frame, connecting means between said axle and frame consisting of two longitudinal arms consisting of leaf springs articulated at one end to the frame and fixed at their other end to the axle and of a spring steel transverse cranked rod attached at its ends to the frame and at its central portion to the central axle portion, said rod being curved in order to form supplementary spring means progressively reducing the flexibility of the whole suspension system for said axle as the width of displacement of the axle increases.

2,582,776

X-RAY APPARATUS

Elbert E. Greenberg and Adolph H. Feibel, Cincinnati, Ohio, and William L. Todd, New Smyrna Beach, Fla., assignors to The Kelley-Koett Manufacturing Co., Covington, Ky., a corporation of Ohio

Application September 30, 1946, Serial No. 700,240
3 Claims. (Cl. 250—58)



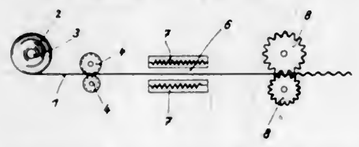
1. In an X-ray radiography and fluoroscopy machine the combination of a base, spaced pairs of fixed vertical supporting members mounted on said base, there being two pairs of said members lying in parallel planes, a movable frame mounted between each of said pairs of supporting members and adapted to move vertically therealong, said frames paralleling the planes of said supporting members and movable independently of each other, a movable carriage mounted on each of said frames and adapted to move horizontally along said frames, said carriages also paralleling the planes of said supporting members and movable independently of each other, a generator arm carried on one of said carriages, a screen arm carried on the other of said carriages, and interconnecting means for said carriages to connect them together for joint horizontal movement at various relative vertical positions of said frames, said interconnecting means comprising a vertically extending slide on one of said carriages, and a member on the other of said carriages slidably engaging said vertically extending slide for movement therealong.

2,582,777

METHOD FOR THE MANUFACTURE OF SEPARATOR PLATES FOR ELECTRIC STORAGE BATTERIES

Alfred Grözinger, Stuttgart, Germany, assignor to Robert Bosch G. m. b. H., Stuttgart, Germany

Application September 27, 1949, Serial No. 118,134
In Germany October 1, 1948
4 Claims. (Cl. 18—47.5)



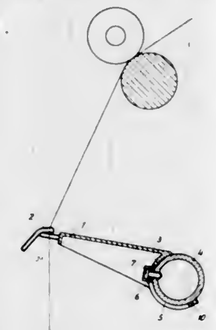
1. A method of manufacture of separators for electric storage batteries which separators are formed of a continuous strip of thermoplastic synthetic material only deformable when heated comprising moving the strip and providing it with fine slits transversely to its length, rendering said strip plastic by conducting the strip through a heating zone and moving the strip from the heating zone at a higher speed so as to stretch the strip in the direction of its length and to open the slits and simultaneously corrugating said strip while still hot.

2,582,778

THREAD GUIDE HOLDER FOR TEXTILE MACHINES

Walter Hoffmann, Zurich, Switzerland, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland

Application February 10, 1949, Serial No. 75,691
In Switzerland August 20, 1948
2 Claims. (Cl. 57—109)



1. A thread guide mechanism for spinning and twisting machines comprising an elongated support of approximately circular cross-sectional shape, a thread guide holder movably mounted on said support, a thread guide connected to said holder, said holder having a substantially semicircular cylindrical base portion conforming to the shape of the support and embracing said support only in part, said base portion being provided with a slot extending circumferentially of said support, and holding means secured to the support within said slot, said holding means overlapping portions of the base portion bounding said slot therein and being adapted to hold the thread guide holder in axially adjustable relationship with the support and to limit movement of the holder relatively to the support to upper and lower operative positions.

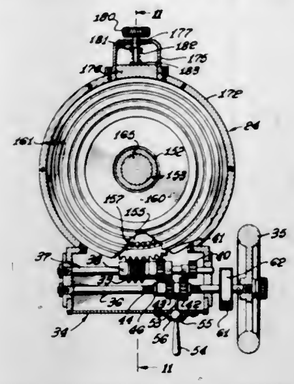
2,582,779

CAMERA HEAD

Ralph O. Hoge, Los Angeles, Calif., assignor to Thomas Rental, Inc., Los Angeles, Calif., a corporation of California

Application September 22, 1947, Serial No. 775,526
6 Claims. (Cl. 248—183)

1. A camera head which includes: a base adapted to be rigidly mounted on a supporting member; a plate mounted on said base for rotation with respect thereto; anti-friction bearing means between said plate and said base adapted to transmit the load of said plate to said base; a disc mounted on said plate; a cover mounted on said disc for rotation with respect to said plate and to said base, said cover and said plate having circumferential grooves formed in their adjoining surfaces to receive a lubricant; means operable to rotate said plate with respect to said base; friction coupling means between said plate and said cover, engageable to cause said cover to rotate with said plate, and releasable so that said cover may rotate with respect to said plate; and means attached to said cover, adapted to have a camera attached thereto.

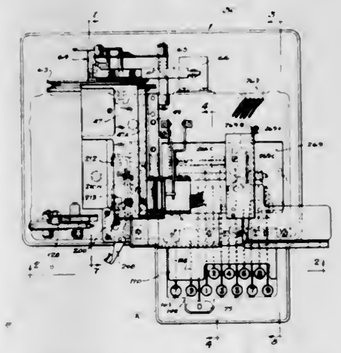


2,582,780

PUNCHING APPARATUS

Carl J. Hueber, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware

Application October 23, 1948, Serial No. 56,220
13 Claims. (Cl. 164—112)



1. In a machine for forming control devices with punched representations of desired control data in selected positional relationships on such control devices, a plurality of punches for selective operation to form coded data representations on a control device, a movable carriage for positioning such control device with relation to said punches, punch actuating means for said punches including a cradle in which said punches are supported, a plurality of selector elements mounted on said cradle and individually shiftable from normal inoperative positions to operative positions for rendering said actuating means operative selectively with relation to said punches, a plurality of selectively depressible control keys, means operatively connecting the keys to each of the selector elements to impart movement to related selector elements into an operative position when the keys are selectively actuated, restoring

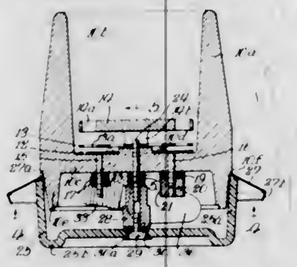
means mounted in part upon said cradle and normally effective separately from said punch-actuating means to return said selector elements to their normal inoperative positions, and means operatable to render said restoring means ineffective when any one of said keys is depressed from its normal position and to again render said restoring means effective when such a key returns to its normal position.

2,582,781

BOTTLE WARMER

Arne B. Johnson, Madison, Wis., assignor to Hankscraft Company, Madison, Wis., a corporation of Wisconsin

Application June 15, 1948, Serial No. 33,072
9 Claims. (Cl. 219—40)



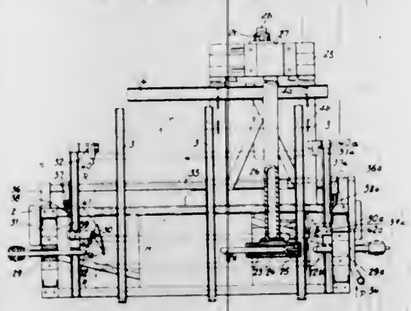
6. A bottle warmer comprising a vessel, spaced electrodes in said vessel, a translucent base supporting said vessel, supply conductors extending through said base and connected to said electrodes, and illuminating means mounted in said base and connected to said supply conductors.

2,582,782

DEVICE FOR CLINCHING NAILS

Oskar Ivar Albin Kågefors, Landsbro, Sweden, assignor to Hyresgästernas Sparkasse- och Byggnadsföreningars Riksförbund u. p. a., Stockholm, Sweden, a corporation of Sweden

Application October 21, 1950, Serial No. 191,411
In Sweden June 5, 1950
10 Claims. (Cl. 1—1)



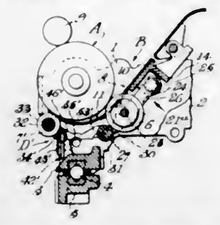
1. In a device for clinching nails in joined wooden parts, wherein the free ends of the nails project into holes formed in one of the parts, a support, a first mandrel-like tool mounted on said support for movement into and out of one of such holes of said wooden parts resting on said support, a second mandrel-like tool mounted on said support in the path of movement of said first mandrel-like tool for movement by said first tool after the first tool has pierced one hole to cause said second tool to enter a further hole in said wooden parts to clinch nail ends therein.

2,582,783

SHEET FEEDING MECHANISM FOR TYPEWRITERS OR LIKE MACHINES

John F. Kloski, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York

Application September 29, 1950, Serial No. 187,588
12 Claims. (Cl. 197—138)



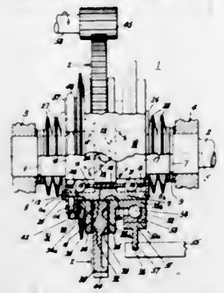
1. In a typewriter or like machine, a frame; a cylindrical platen journalled on said frame for rotary paper feeding movements; a pressure roll; a support pivotally mounted on said frame to rock about an axis parallel to the platen axis and journalling said pressure roll with its axis parallel to the platen axis and for movement relatively toward said platen for pressing work sheet material against said platen; and adjustable means for urging said roll toward said platen to exert selected different pressures thereagainst, including a two-armed lever pivoted on said frame to rock about an axis transverse to the axis of rocking of said support and having one of its arms extending adjacent to and in contact with a part of said support, a coil spring connected at one of its ends to the other arm of said lever and urging said lever to rock to cause said one of said arms to bear against said part of said support, a spring anchor movably mounted on said frame and to which the other end of said spring is connected, and a device for changing the position of said anchor on said frame with respect to said lever for thereby varying the loading of said spring.

2,582,784

TORQUE DYNAMOMETER

David C. Lumb and Boris Pundick, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application July 15, 1950, Serial No. 174,086
3 Claims. (Cl. 73—136)



1. A torque measuring drive unit comprising a driven member having an axis of rotation therethrough, a ball bearing drive connection comprising an annular member positioned on said driven member, spaced cylindrical raceways formed in the exterior of said driven member and the interior of said annular member and concentric with said axis of rotation, ball bearing means engaging said raceways to rotatably support said annular member on said driven
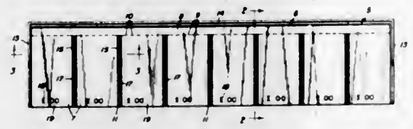
member and to provide for slidable movement of said annular member parallel to said axis of rotation, mating aligned grooves formed in the exterior of said driven member and the interior of said annular member at an angle to said axis of rotation, means comprising a bearing ball engaging said mating grooves to transmit a rotational force to said driven member in response to rotation of said annular member and to provide a sliding displacement of said anular member parallel to said axis of rotation from a zero position in response to relative rotation of said annular member and said driven member, means for mechanically connecting said annular member to a drive member to rotate said driven member, and means biasing said annular member to zero position to measure the torque on said driven shaft as a function of said displacement of said annular member.

2,582,785

TICKET PAD AND DISPENSING TRAY THEREFOR

George W. Luppold, Lowell, Mass., assignor to Sullivan Bros., Lowell, Mass., a Massachusetts trust

Application December 23, 1948, Serial No. 67,042
2 Claims. (Cl. 206—40.5)



1. The combination with a pad of tickets composed of a plurality of similar elongated ticket sheets bound together in a pile along one longitudinal edge of the pile, each ticket sheet comprising a plurality of tickets connected at corresponding ends to a common narrow stub portion by connecting portions that barely hold the tickets to the stub portion so that they may be detached from the stub portion by the use of very little force, the tickets of each ticket sheet being materially spaced apart so that the pad provides a plurality of materially spaced stacks of tickets, of an open front elongated tray in which said pad is disposed to facilitate dispensation of the tickets singly, said tray having a back wall and being provided with uniformly spaced vertical transverse separator members received in the spaces between the stacks of tickets, said separator members being spaced from the back wall to engage the stub portions between the stacks of tickets and prevent forward movement of the pad from the back wall of the tray.

2,582,786

MIRROR

Seth G. Malby, Edgewater, N. J.

Application March 23, 1950, Serial No. 151,389
3 Claims. (Cl. 88—105)



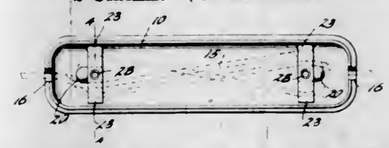
1. In a mirror, a transparent glass plate having a rear surface coating presenting a highly reflective metal surface when viewed from the front face of the mirror, a continuous narrow band of adhesive extending around the entire periphery of the back surface of said coating and over all of the side edges of said coating to the edges of the glass plate peripherally of the mirror, and an imperforate metal foil sheet mounted in overlying relation to said coating and extending over all of the side edges of said coating to the edges of the glass plate at least as far as the adhesive band for bonding the foil to the mirror and sealing said coating edges against entry of moisture and gases, the major part of the area of the foil peripherally within said adhesive band being substantially free of bonding with the coating, and said adhesive being chemically and electrolytically neutral with respect to both the coating and foil.

2,582,787

ELECTRIC CORD HOUSING

Homer V. Martin, Lincoln, Nebr.

Application April 9, 1946, Serial No. 660,626
2 Claims. (Cl. 24—71.2)



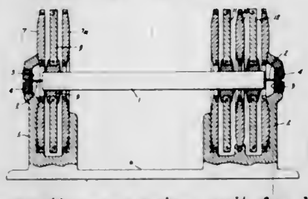
1. In a device for the housing of slack electric wire, an elongated tray section having a flat bottom and a continuous lipped side wall, a curved cover section complementarily lipped and both sections together forming a housing rounded from side to side and at the two ends, a pair of guides rising from the tray and having near the top a pair of over-hanging cord-retaining arms, said arms being curved to agree with the curvature of the cover and forming a support for the cover, and removable means for securing the sections together to form a closed housing.

2,582,788

MAGNETIC SUSPENSION FOR HORIZONTAL SHAFTS

Lewis I. Mendelsohn, Lynn, Mass., assignor to General Electric Company, a corporation of New York

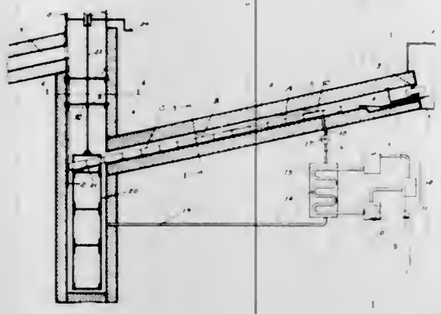
Application February 1, 1949, Serial No. 73,892
6 Claims. (Cl. 308—1)



1. A magnetic suspension unit for horizontal shafts including with the shaft to be supported, a permanent magnet of circular configuration secured concentrically to said shaft and designated as the shaft magnet, said permanent magnet being polarized in a radial direction so as to have its magnetic poles radially spaced apart concentrically with respect to the shaft, and a pair of stationary permanent magnets of circular configuration of approximately the same inner and outer diameter as the shaft magnet in axial alignment with each other and closely spaced from and on either side of said shaft magnet and radially permanently magnetized to provide magnetic poles adjacent the radially spaced magnetic poles of the shaft magnet but of opposite polarity thereto whereby attraction forces are produced between the stationary and shaft magnets tending to maintain them in a concentric relation,

said shaft being otherwise free to move radially over a limited range, and means for maintaining said shaft in an axial position where the shaft magnet is magnetically centered between the stationary magnets such that the resultant endwise magnetic forces on said shaft magnet are negligible.

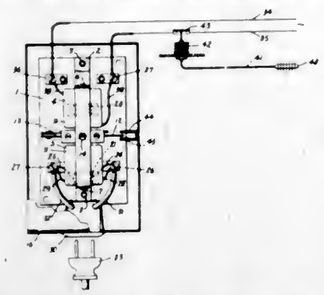
2,582,789
FOOD FREEZING APPARATUS
Willard L. Morrison, Highland Park, Ill.
Application November 10, 1947, Serial No. 784,953
1 Claim. (Cl. 62—104)



Means for freezing food comprising a downwardly inclined tunnel, a loading room at the upper end of the tunnel, an air lock in the tunnel communicating with the loading room adapted to permit the introduction into the tunnel of food containers to be frozen, means for circulating a liquid coolant through the tunnel and for maintaining the level of the coolant such that the tunnel, for a portion of its length, is entirely filled with the liquid, means for maintaining the temperature of the liquid at a point below the point at which food is to be frozen, means at the lower end of the tunnel for withdrawing food containers from the liquid, said means including an elevator adapted to receive a food container, means for raising the elevator, the elevator having a shield adapted to mask the end of the tunnel to prevent discharge of additional food containers while the elevator is raised, an air lock through which the elevator passes with its load of food containers, the elevator having an inclined platform parallel with the floor of the tunnel, a discharge passage adjacent the upper excursion of the elevator, the floor of which is parallel with the tunnel, the passage being located above the liquid level.

2,582,790
SUPERVISED ELECTRICAL ALARM
Heber L. Newell, Malvern, N. Y., assignor to General Electric Company, a corporation of New York
Application October 23, 1948, Serial No. 56,084
5 Claims. (Cl. 177—311)

1. An alarm comprising a first solenoid adapted to be energized from a first electrical circuit, a second solenoid adapted to be energized from a second electrical circuit, said first circuit and said second circuit being separately fused, a vibratory element positioned for actuation by said first solenoid, said second solenoid exerting a force on said vibratory element opposing such actuation, said first and second solenoids exerting substantially equal forces on said element whereby said element remains stationary when both of said solenoids are energized, and condition-responsive means for deenergizing said second solenoid to



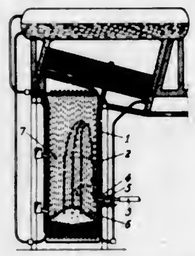
permit actuation of said element by said first solenoid.

2,582,791
VERTICALLY ADJUSTABLE TABLE
Earl L. Page, Nashville, Ind.
Application July 6, 1950, Serial No. 172,251
5 Claims. (Cl. 311—39)



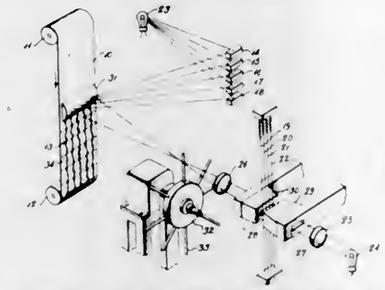
1. A table of the class described comprising a supporting base, a top mounted for axial shifting on said base, substantially spirally extending cam tracks formed on the under side of said top, cam-track followers slidable on said tracks, and a plurality of links hinged to said base and to said followers whereby said top may be disposed at vertically different levels with respect to said base.

2,582,792
PROCESS FOR TREATING WASTE LIQUOR FROM PAPER
Per Paren, Jonkoping, Sweden, assignor to Jonkopings Mekaniska Werkstads Aktiebolag, Jonkoping, Sweden, a Swedish joint-stock company
Application December 2, 1946, Serial No. 713,493
In Sweden July 9, 1946
1 Claim. (Cl. 23—48)



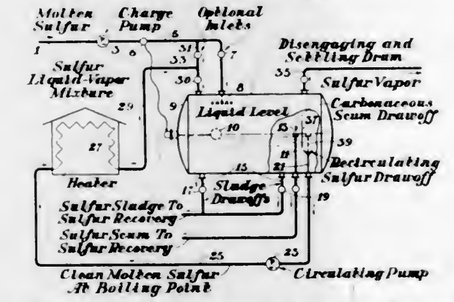
A process for treating waste liquor from paper pulpmills for combustion of organic substances and recovery of inorganic chemicals contained in said waste liquor comprising injecting said waste liquor into the furnace of a boiler with water cooled furnace walls as a jet directed upwards in such a direction and to such a height that the free particles of the waste liquor on their way first upwards to a culmination point, located in the path of the rising gases of combustion and thereafter downwards are at least substantially dried by hot gases in the furnace produced by the combustion of said organic substances and that the major part of said particles on their way downwards fall freely down onto a surface sloping downwards into the furnace, which surface forms a portion of the furnace inner wall situated just above the bottom of the furnace from which surface they fall down in the form of lumps onto the bottom of the furnace, burning dried residues on the bottom of the furnace by a reducing combustion by air from primary inlets at a short distance above said bottom for recovery of chemicals, injecting secondary air at a higher level than the primary air, and passing the hot gases out of said furnace to heat-absorbing tubes of the boiler.

2,582,793
METHOD AND APPARATUS FOR RECORDING VIBRATIONAL DATA
Edward Gordon Perry, Jr., Dallas, Tex., assignor to General Instruments Inc., a corporation of Delaware
Application June 21, 1948, Serial No. 34,326
12 Claims. (Cl. 346—1)



1. A method of recording a plurality of sets of data for comparative study that comprises projecting a light trace indicative of one set of data onto succeeding laterally extending portions of a moving photosensitive surface and projecting a shadow trace indicative of another set of data onto said same portions of said surface in closely adjacent relation to the light trace, the lateral positions of said traces being varied to indicate the data being recorded.

2,582,794
METHOD FOR VAPORIZING SULFUR
Charles A. Porter and George W. Rollin, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application May 23, 1946, Serial No. 671,681
2 Claims. (Cl. 23—224)

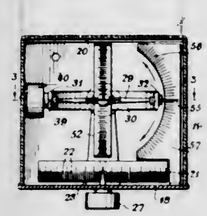


1. The method of vaporizing crude sulfur comprising charging crude molten sulfur directly to a closed vaporizing zone, maintaining a body of molten sulfur in said zone, withdrawing scrum from the surface of said body of sulfur and withdrawing sludge from beneath said body of sulfur, continuously circulating sulfur substantially free of scum and sludge from said sulfur body to a tubular heater and back to said vaporizing zone, heating the sulfur in said heater sufficiently to vaporize sulfur in said zone, withdrawing sulfur vapors from said vaporizing zone and eliminating said scum and sludge from the system without passing through said tubular heater.

2,582,795
ORGANO-COBALT CHELATES AS ACCELERATORS OF VULCANIZATION
Spencer S. Prentiss and Lawrence R. Sperberg, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application December 27, 1949, Serial No. 135,298
6 Claims. (Cl. 260—41.5)

1. A vulcanizable composition comprising, a sulfur vulcanizable organic polymeric substance selected from the group consisting of natural rubber, diolefin polymers and copolymers of diolefins and comonomers containing the terminal group $CH_2{=}C<$, a vulcanization retarding pigment, a vulcanizing agent and from 0.5 to 1.8 parts by weight of a disalicylalethylenediiminecobalt per 100 parts by weight of said sulfur vulcanizable organic plastic substance.

2,582,796
ATTITUDE-INDICATING INSTRUMENT FOR AIR AND OTHER CRAFT
George Hancock Reid, Braunstone, near Leicester, England
Application January 20, 1950, Serial No. 139,747
In Great Britain November 22, 1948
5 Claims. (Cl. 177—311)



1. An attitude-indicating instrument for an aircraft comprising in combination a casing, a U-shaped gimbal frame pivotally mounted within the casing for unrestricted rotational movement about a normally horizontal axis of symmetry, a first selsyn motor arranged to move the gimbal frame about said axis, an indicator member disposed between the arms of the gimbal frame and pivoted to said arms for movement relatively thereto about a transverse axis at right angles to the axis of symmetry, a second selsyn motor mounted upon the gimbal frame to turn the indicator member about the said transverse axis, a landscape member mounted within the casing underneath the indicator for rotational movement about a normally vertical axis disposed at right angles to the said axis of symmetry, and a third selsyn motor arranged to turn the landscape member about said vertical axis.

2,582,797
METHOD OF INSTALLING HELICALLY PREFORMED ELEMENTS ON CABLES
Kenneth R. Runde, Lemay, Mo., assignor, by mesne assignments, to Thomas F. Peterson, Shaker Heights, Ohio
Application July 8, 1946, Serial No. 681,903
1 Claim. (Cl. 57—161)



The method of applying to an elongated member a protective structure which comprises a plurality of helically shaped elements that are preassembled to provide a self-sustaining elongated hollow structure, said method comprising dividing said elements of said hollow structure into two groups of elements and unwrapping said groups of elements for a portion of the length of the hollow structure, wrapping said unwrapped portions of the hollow structure helically about said elongated member by a tool while holding the remainder thereof with a second tool, and then applying the remainder of the hollow structure to said elongated member with the aid of said second tool which is rotated about said elongated member to correspondingly rotate said remainder of the hollow structure so that the element portions making up said remainder of the hollow structure are extended helically of said elongated member.

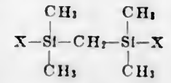
2,582,798
MANUFACTURE OF SPECTACLE FRAMES OR BLANKS
John Rowland Keeming Russell and Alois Prasser, Treforest, Glamorgan, Wales, assignors to Spectator Optical Products Limited, Treforest, Glamorgan, Wales
Application August 19, 1948, Serial No. 45,148
In Great Britain August 19, 1947
3 Claims. (Cl. 18—47.5)



1. In the manufacture of spectacle frames from moldable plastics, the method which comprises introducing a plastic material of the synthetic resin type heated to flowable condition into a mold cavity of continuous, unitary and unobstructed area corresponding approximately in outline to that of a spectacle frame constituted of two eye-piece sections connected by a constricted bridge section, each eye-piece section of the mold cavity corresponding to the area occupied by the lens and the lens-supporting part of a pair of spectacles and flowing said plastic material under pressure in an undivided stream from one eye-piece section through the constricted bridge section to the other eye-piece section to completely fill the mold cavity, allowing said plastic material to solidify to form a spectacle blank corresponding to the shape of the mold cavity and subsequently recessing the portions of the blank corresponding to the eye-pieces to provide lens openings therein.

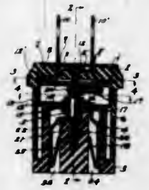
2,582,799
NOVEL POLYSILOXANE COMPOUND AND METHOD OF PREPARING THE SAME
Robert O. Sauer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application January 22, 1948, Serial No. 3,837
4 Claims. (Cl. 260—448.2)

1. The method of preparing 2,2,4,4,6,6,8,8-octamethyl-1,5-dioxa-2,4,6,8 - tetrasilocane which comprises (1) hydrolyzing with an amount of water in excess of that required for complete hydrolysis a compound corresponding to the general formula



where X is a halogen and (2) isolating the aforementioned silocane.

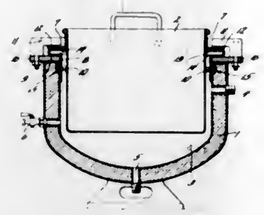
2,582,800
SWIVELING DEVICE FOR ELECTRIC CURRENT
Jesse F. Sorenson, Long Beach, Calif.
Application November 22, 1946, Serial No. 711,671
4 Claims. (Cl. 173—324)



2. An electric current swiveling device including a contact holder comprising a housing cap, a second holder comprising a single piece made up of a base and a hub having two electrical paths therethrough, one of such paths comprising an annulus having three radial spring arms to move said annulus in one direction contacting a bottom plate of a conductive cage through a rivet in a retaining foot of a plug contact to form an electrical contact in said path; a bent leaf contact spring in the other electrical path to resist the upward thrust of said spring arms; a conductive bolt in said other path that permits the free end of the bent leaf contact spring to anti-frictionally rest upon the top of said conductive bolt.

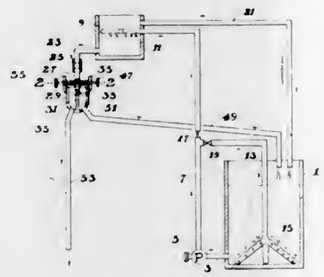
2,582,801
BOILING PAN WITH ELASTIC SEALING RINGS
Carl August Steen, Getinge, Sweden
Application August 7, 1947, Serial No. 767,194
In Sweden June 21, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires June 21, 1959
3 Claims. (Cl. 126—378)

1. In a steam boiling pan, a steam jacket, a cooking vessel mountable in said jacket and having a projecting ring-shaped flange, said vessel being smaller than said jacket so as to leave a steam space between said jacket and said vessel, a locking device rotatably mounted on the jacket adjacent said flange and having a laterally extending portion for extending over said flange when turned in one direction so as to maintain the cooking vessel in place when subjected to lifting effect of steam in the steam jacket, and a sealing ring of an elastic material provided between said jacket and said projecting flange, said sealing ring being fastened along the upper edge of said jacket and having an inwardly extending free edge portion adapted to be pressed



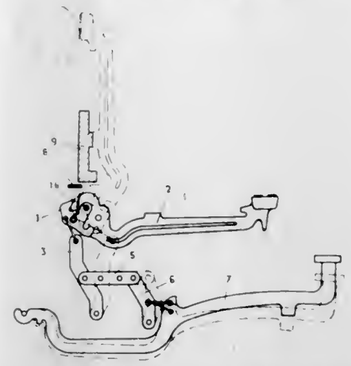
with one surface thereof from below against said projecting flange by the steam exerting a pressure against the opposite surface of said free edge portion.

2,582,802
LIQUID FEEDING APPARATUS
Charles F. Terrell, Jr., Newark, Ohio, assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application October 19, 1945, Serial No. 623,230
1 Claim. (Cl. 137—78)



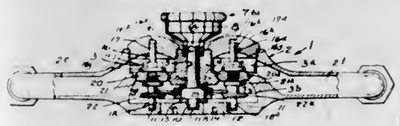
A slurry proportioning device to continuously incorporate desired amounts of a slurry carrying suspended solids into a liquid to be treated thereby comprising a storage tank, a feed box and a funnel, means for continuously feeding slurry from said storage tank to said feed box, means for returning any desired portion of said slurry prior to entering said feed box to the lower portion of said storage tank through a distributing head located in the bottom of said tank to maintain uniform distribution of suspended solids in said slurry, an overflow line connecting said feed box to said tank, a pipe connected to the lower portion of said feed box, the end of which pipe is located directly over said funnel and is movable in a horizontal direction, a fixed, vertical partition in said funnel having an upper knife edge a short distance below the end of said pipe said vertical partition dividing said funnel into two chambers, a threaded rotatable rod supported by said funnel, said rod engaging the movable end of said pipe in such manner as to cause it to move in a path across said partition upon rotation of said rod, a pipe connecting the lower portion of one chamber of said funnel to the point of disposal in said liquid to be treated and a separate pipe connecting the other chamber of said funnel to said tank.

2,582,803
TYPE BAR ACTUATING MECHANISM FOR TYPEWRITERS
Alfredo Tombolini, Milan, Italy
Application January 6, 1949, Serial No. 69,486
In Italy January 31, 1948
9 Claims. (Cl. 197—27)



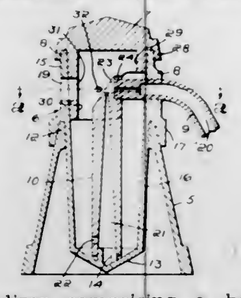
7. In a typewriter having a semicircular segment with slits, a semicircular bore therein and a semicircular axis inserted in said bore, a conjunction plate inserted in a slit of said segment and pivotally attached to said axis, a type bar, the base end of said type bar being inserted in said slit in supported engagement with said plate, said plate and said type bar base end lying in the same plane and formed with interfitted, interlocked complementary portions, and a key-actuated pulling element attached to said plate.

2,582,804
DUAL VALVE SELECTIVE CONTROL HANDLE ASSEMBLY FOR COMBINATION FAUCETS
Frederick Toop, New York, N. Y., assignor of twenty-five per cent to Dorothy Toop, New York, N. Y., twenty-five per cent to Anthony Freitas, and twenty-five per cent to Rose Freitas, both of New York, N. Y.
Application May 9, 1947, Serial No. 746,950
11 Claims. (Cl. 277—20)



1. A dual valve selective control for combination faucets of the character described comprising two valves operative within separate chambers in faucet's body member, each having a permanent beveled valve seat therein, liquid inlet sections and a spout outlet section, a threaded section for a lower body nut, a partition wall dividing the valve chambers through which the handle shaft is located and rotated, said lower body nut positioned directly under the end of the handle shaft with a bored hole for shaft's location, each of the valve chambers having a valve stem body nut with a bored hole therein in which the upper end of each valve stem are located, the lower end of each valve stem being in a bored hole in the lower body's central boss section, in which valve stems are slidingly actuated in a rectilinear motion for raising and lowering said valves in their open and closed positions, respectively, thus assuring perfect control of each valve on their respective beveled seats.

2,582,805
NEBULIZER OR THE LIKE
George P. Trumbour and Forbes MacGregor, Needham, Mass., assignors to MacGregor Instrument Company, Needham, Mass., a corporation of Massachusetts
Application September 11, 1947, Serial No. 773,330
2 Claims. (Cl. 299—88.5)



1. A nebulizer comprising a hollow, open-ended body with its closed end constituting a well provided with a centrally located projecting seat and having a pair of ports, air delivering means including an air delivery tube frictionally fitting one of said ports with its extremity in said body and disposed towards the other of said ports, and a tube in said body having a suction passage tapering from its bottom end and at said bottom end being dimensioned to receive said seat and including a portion extending beyond the upper end of said passage to be accessible for digital engagement through the open end of said body, said portion having a passageway into which said air delivery tube extremity is frictionally fitted thereby to lock said suction tube to said body with its lower end anchored in said well and with its upper end and said extremity operatively associated with each other, said suction tube being removable through the open end of said body when said air delivery tube is unseated from said portion.

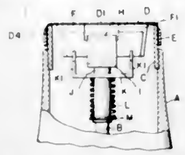
2,582,806
DRYING OF HOLLOW YARN BODIES
Robbert v. Nes, Arnhem, and Anton Lelij, Velp, Netherlands, assignors to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application January 23, 1948, Serial No. 3,924
In the Netherlands March 18, 1947
5 Claims. (Cl. 34—1)



1. Apparatus for drying hollow yarn bodies which comprises a plurality of condenser plate assemblies the plates of which are so spaced relative to one another as to substantially surround the exterior of a hollow yarn body to be dried, and means for supplying said assemblies with high frequency currents separated in phase by a number of degrees corresponding to the quotient of 360 divided by the number of assemblies.

2,582,807
SHAVING DEVICE
Chris L. Volz, Birmingham, Mich.
Application June 26, 1948, Serial No. 35,471
1 Claim. (Cl. 30—43)

In a dry-shaver a skin engaging shear plate comprising a central area provided with a multiplicity of openings and a surrounding portion consisting of radially extending fingers, and means for mounting said plate consisting of a cylindrical sleeve having one end engaging the



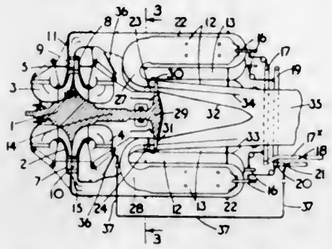
under side of said plate at the perimeter of said central area and an outer cylindrical sleeve surrounding the first with said fingers bent down and held between the two sleeves.

2,582,808
SECONDARY AIR SUPPLY SYSTEM AND NOZZLE FOR UNDERFEED STOKERS
Ernest C. Webb, Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application July 16, 1948, Serial No. 38,970
4 Claims. (Cl. 110—75)



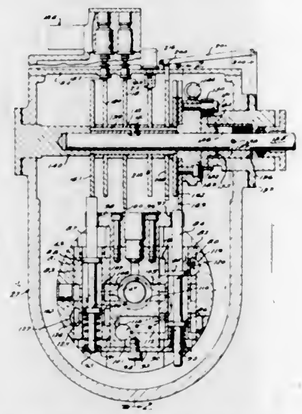
4. An auxiliary air system for use with an underfeed stoker for burning coking coal, comprising a downwardly discharging secondary air pipe, a funnel shaped nozzle disposed under the lower end of said pipe and spaced around the tip thereof and a skirt spaced from the upper edge of said nozzle and surrounding said pipe, said skirt covering the space between said pipe and nozzle whereby air passing downwardly from said pipe through said funnel shaped nozzle will entrain air beneath said skirt for the purpose of cooling said nozzle and raising the temperature of the secondary air issuing therefrom.

2,582,809
AIR AND FUEL REGULATING MEANS IN INTERNAL - COMBUSTION TURBINE POWER PLANTS
Robert Hendry Weir, Farnborough, England, assignor to Power Jets (Research and Development) Ltd., London, England, a British company
Application October 30, 1945, Serial No. 625,538
In Great Britain December 30, 1944
18 Claims. (Cl. 60—35.6)



14. A gas turbine power unit comprising in combination a turbine, a compressor group driven by said turbine and having a flow system which affords separate and distinct air flow paths, each extending from the air inlet of said compressor group, through said compressor group to the air outlet of said compressor group to subdivide the total air mass flow output of said compressor group into separate and distinct parts, and a combustion system for burning fuel in the air mass flow output of said compressor group, said combustion system having separate and distinct heat flow paths equal in number to the number of separate and distinct air flow paths and connected thereto so that each heat flow path receives from its associated air flow path only a part of said air mass flow output of said compressor group, each air flow path and connected heat flow path constituting a separate and distinct passage extending from the air inlet of said compressor to the inlet of said turbine.

2,582,810
HYDRAULIC DRIVE UNIT FOR WASHING MACHINES
Merton F. Wilcox, Grosse Pointe, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind., a corporation of Indiana
Application July 23, 1945, Serial No. 606,525
5 Claims. (Cl. 68—12)



1. An automatic washing machine comprising a rotary clothes receptacle and a drive unit for rotating the receptacle, said unit comprising a hydraulic motor for driving the receptacle, means for supplying liquid under pressure to the motor, means including a pair of valves for controlling flow of the liquid to the motor, the first of said valves being movable between two positions and in one position causing liquid to flow to the motor to turn it in one direction and in the other position causing the liquid to flow to the motor to turn it in the other direction, the second valve being movable from a first position where it allows a reduced flow of liquid to a second position where it allows a larger flow so as to increase the speed of the motor, and automatic means for operating the valves in predetermined relation.

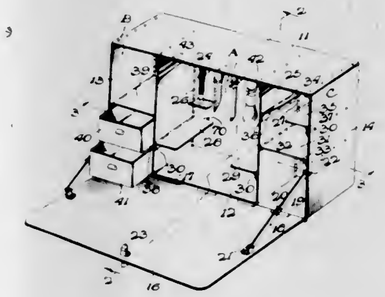
2,582,811
GARMENT
Harvey L. Williams, Hadlyme, Conn.
Application January 31, 1947, Serial No. 725,652
13 Claims. (Cl. 2—2.1)

1. A one-piece under-water garment of the step-in and slip-over-the-head type comprising leg, body, arm and shoulder portions and a portion slippable into position over the head of the wearer, said garment being made of waterproof material and having an access slit therein ex-



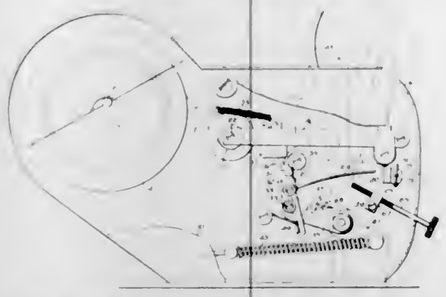
tending from a shoulder on one side obliquely down across the front and rear of said garment, and a water-tight closure for said access slit.

2,582,812
CABINET UNIT WITH CHANGEABLE INTERIORS
George Wise, Washington, D. C.
Application July 3, 1946, Serial No. 681,348
10 Claims. (Cl. 312—300)



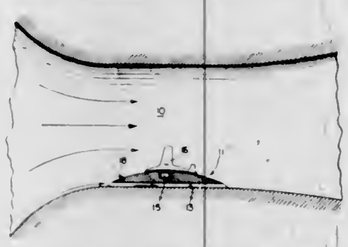
1. A cabinet unit forming a substantially rigid structure, said cabinet unit including at least one exterior confining wall member having at least one panel member hinged to the inner surface thereof and swingable into a position at an angle to said exterior confining wall member, means for retaining said panel member in a stationary position when said panel member is swung at an angle to said exterior confining wall member, said panel member being also capable of being swingable to a position substantially flat against the inner surface of said exterior confining wall member, means for retaining said panel member in a stationary position when swung substantially flat against the inner surface of said exterior confining wall member, article-supporting means carried on the inner surface of said exterior confining wall member and a hinged shelf carried by said panel member, said article-supporting means cooperating with and supplementing said hinged shelf in providing changeable interior arrangements with supports for articles to be stored in said cabinet unit when said panel member is either in a position flat against the inner surface of said exterior confining wall member or in a position at an angle to said exterior confining wall member.

2,582,813
DISPENSER FOR PRESSURE-SENSITIVE TAPE
Thomas W. Berridge, Billerica, and Henry F. Nordheim, Waltham, Mass.
Application September 23, 1947, Serial No. 775,726
9 Claims. (Cl. 271—2.5)



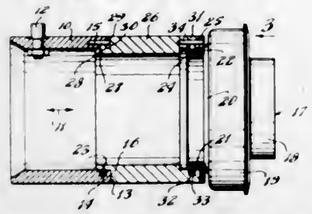
1. In a tape dispenser applicable for use with pressure-sensitive tape comprising a casing having means for supporting a roll of tape and also having remote therefrom adjacent the exterior of the casing an abutment to support the end of a length of tape withdrawn from the roll with said length extended between the roll and abutment, over which abutment the end of the tape is fed to the outside of the dispenser for severance and removal, the space between the roll and abutment being open and free of parts with which the lower face of the so extended tape may make contact, a reciprocating feeding device having jaws moving between a point remote from the abutment and a point adjacent the same, the jaws closing to grip the tape during advancing movement and opening to free the same during retreating movement, and a finger for engaging the sticky side of the end of the tape to adhere thereto and mechanism for operating said finger in timed relation with said feeding device effective to move it into such engagement and then to move it with the thereto adhering tape end forward over the abutment as the bight is fed forward.

2,582,814
TRANSONIC WIND TUNNEL
Ward W. Beman, Glendale, and John H. Weaver, Burbank, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.
Application July 31, 1947, Serial No. 765,184
3 Claims. (Cl. 73—147)



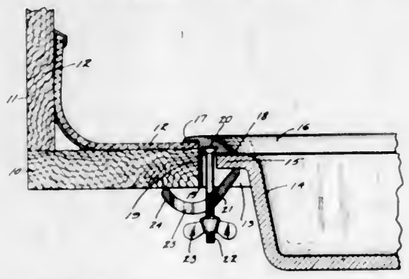
3. In combination with a wind tunnel for testing airplane and airfoil models at various air flow velocities, an insert therein spanning the throat of said tunnel and having an aerodynamically faired curved top surface and a bottom surface spaced from the wall of said tunnel, said insert being so arranged as to produce an accelerated air flow thereover free from tunnel wall boundary layer effects, and balance system means for supporting and measuring the aerodynamic forces acting on a model superimposed above the top surface of said insert.

2,582,815
INTERCHANGEABLE OBJECTIVE LENS SUPPORTING MEANS
Jacques Bolsey, New York, N. Y.
Application August 10, 1949, Serial No. 109,538
16 Claims. (Cl. 88—57)



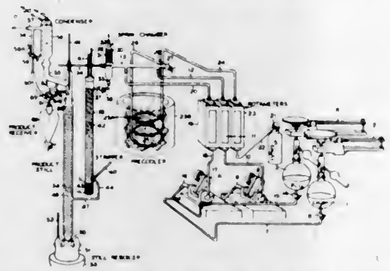
1. A lens arrangement comprising in combination a lens barrel member; an extension member; first fastening means detachably fastening the rear end of said extension tube member to the front end of said lens barrel member and including first spring means on one of said members and first grooves on the other of said members adapted to engage said first spring means and rotatably fasten said members to each other; first locating means arranged between said lens barrel member and said extension member preventing rotation of the same relative to each other when detachably fastened to each other by said first fastening means; a lens member; second fastening means being identical in construction and arrangement to said first fastening means serving for detachably fastening said lens member to the front end of said extension tube member and including second spring means on one of said members and second grooves on the other of said members adapted to engage said second spring means and rotatably fasten said members to each other; and second locating means being identical in construction and arrangement to said first locating means and arranged between said lens member and said extension member preventing rotation of the same relative to each other when detachably fastened to each other by said second fastening means.

2,582,816
SINK FRAME AND MOUNTING
William L. Bonnell, Youngstown, Ohio, assignor to Trimedge, Incorporated, Youngstown, Ohio, a corporation of Ohio
Application May 25, 1949, Serial No. 95,183
6 Claims. (Cl. 4—187)



1. Means for mounting a flanged sink in an opening in a supporting structure and comprising a frame of extruded metal of cross sectional T shape, the vertical section of which is adapted to be positioned between the edge of the opening in the supporting structure and the edge of the flanged sink and with the horizontal portion of said frame overlying the adjacent edges of the supporting structure and the flanged sink, the horizontal portion of said frame having a longitudinally extending dovetailed channel in the lower surface thereof adjacent said vertical section and a plurality of bolts, the heads of which are dovetailed to register with and are movably positioned in said dovetailed channel, a plurality of levers of extruded metal each of which is slotted longitudinally and each of which is engaged upon one of said bolts, and nuts threadably engaging said bolts for urging said levers upwardly against the lower surfaces of said supporting structure and the flanged sink whereby said flanged sink is moved into engagement with said frame.

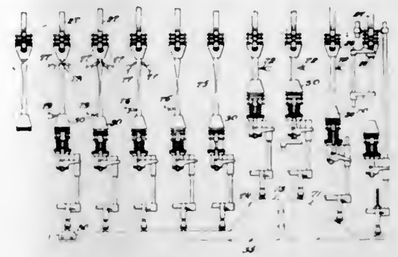
2,582,817
METHOD OF PRODUCING C_1–C_3 DIALKYL HYDROGEN PHOSPHITES
David H. Chadwick, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application September 7, 1949, Serial No. 114,372
13 Claims. (Cl. 260—461)



1. The method of making dialkyl hydrogen phosphites, which comprises spraying into a collection zone, a mixture containing an aliphatic alcohol selected from the group consisting of methyl, ethyl and isopropyl alcohols, a phosphorus halide selected from the group consisting of phosphorus trichloride and phosphorus tribromide and a volatile inert organic refrigerant which does not boil above 0° C. at atmospheric pressure, said refrigerant being employed in an amount sufficient to maintain the reaction temperature within the range of about —41° C. to about 5° C.

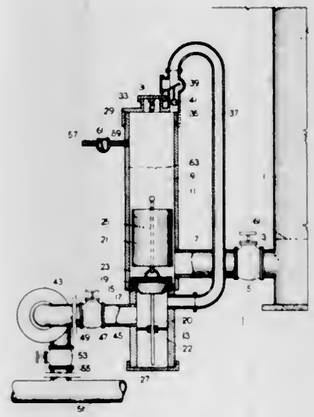
2,582,818
METHOD OF MANUFACTURING GLASS AMPOULES
George Coby, Attleboro, Mass., assignor to United Products Co., Inc., a corporation of Rhode Island
Application April 13, 1948, Serial No. 20,625
4 Claims. (Cl. 49—84)

1. In the process of making an ampule at the end of a glass tube, the step of cutting off the ampule from the tube by the application of a severing flame at the cut-off location to plasticize the glass, moving the ampule away from the tube and out of register with the flame to sever the ampule and form a sealing film across the top of the ampule, applying auxiliary heat at a lower portion of said ampule to expand the air within the same to cause the said air to blow an opening through said film while still plastic and moving the ampule back into register with said flame



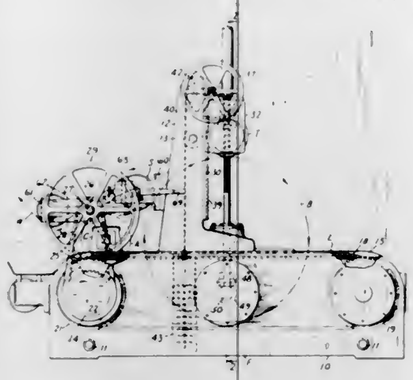
during the time the film is being ruptured to cause the ruptured film to move toward the edge of the top of the ampule in a thickened mass.

2,582,819
TANK SHUTOFF VALVE
Bernard Daily, Goose Creek, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 20, 1945, Serial No. 583,682
3 Claims. (Cl. 137—68)



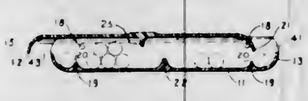
1. An automatic shut-off valve structure for a system comprising a tank and pipe-line means for exhausting fluid from said tank, said structure comprising a closed vertical standpipe, said standpipe having inlet means in communication with said tank, and outlet means in communication with said pipe-line means, a valve seat within said standpipe interposed between said inlet and said outlet means, a float valve adapted to close with said seat when the fluid in said standpipe reaches a predetermined level a conduit in by-pass communication between portions of said standpipe upstream and downstream of said valve seat, check valve means in said by-pass conduit, and loading means for said check valve means, said loading means being selected of a value such as to permit said check valve means to be opened by the pressure of fluid overflow rising in said upstream portion of the standpipe, and to maintain said check valve means closed against any vacuum which ordinarily may be applied thereto through said by-pass conduit from the said downstream portion of the standpipe.

2,582,820
WEB UNROLLING APPARATUS
Charles A. Dickhaut, Highland Park, N. J., assignor to John Waldron Corporation, a corporation of New Jersey
Application February 10, 1947, Serial No. 727,485
4 Claims. (Cl. 242—58)



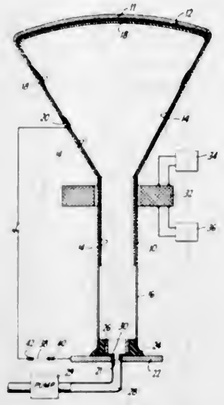
1. Apparatus for feeding successive rolls of a web to a treating operation, a loading table having parallel tracks thereon, a mandrel carriage comprising a pair of blocks slidably on said tracks and having bearings for journaling the ends of a mandrel, sprocket chains movable parallel to said tracks, parallel shafts journaled in said loading table and having pairs of sprocket wheels over which said sprocket chains pass, means for driving one of said shafts to drive both of said chains, and rack teeth on each of said blocks projecting beyond said tracks and engaging said chains for moving the mandrel carriage along said tracks and off of said tracks, carrying the mandrel therewith to discharge the mandrel and carriage from the loading table.

2,582,821
CIGARETTE DISPENSING CONTAINER
Edith B. Duell and Charles H. Duell, Detroit, Mich.; said Charles H. Duell assignor to said Edith B. Duell
Application June 28, 1946, Serial No. 680,018
1 Claim. (Cl. 206—41.2)



In a cigarette container constructed to hold a plurality of cigarettes in superimposed layers and having a cover mounted thereon for sliding movement from a closed to an open position, a dispensing section adjacent one end of said container and means to limit sliding movement of said cover to an amount sufficient to expose said dispensing section, means for preventing any cigarette within said container from attaining a position substantially perpendicular to the dispensing section thereof comprising a stationary rib, extending transversely of said container and disposed substantially parallel to said dispensing section and spaced therefrom a distance substantially less than the normal length of a cigarette, and a movable rib fixedly carried by said cover and extending parallel to said stationary rib, said movable rib being in vertical alignment with and separated from said stationary rib when said cover is in closed position by a vertical distance less than the normal diameter of a cigarette, a passage formed between said ribs upon sliding movement of said cover to its open position, the width of said passage being greater than the normal diameter of a cigarette.

2,582,822
CATHODE-RAY TUBE WITH ALUMINIZED SCREEN
Howard J. Evans, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application December 4, 1948, Serial No. 63,492
6 Claims. (Cl. 313—64)



1. The method of determining the quality of a phosphor screen within a discharge tube, said screen having a conductive film in contact therewith, said method comprising the steps of, inserting a removable secondary electron emitting electrode within said tube, partially evacuating the air from said discharge tube, establishing a positive potential on said conductive film, establishing a negative potential on said secondary electron emitting electrode exposed to the residual air within said tube to provide a gaseous discharge within said tube directed toward said phosphor screen, scanning a negative portion of said discharge over said phosphor screen to excite said screen to phosphorescence.

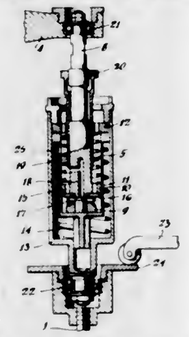
2,582,823
ASPHALT COMPOSITION
Frederick M. Fowkes, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 23, 1948, Serial No. 16,631
10 Claims. (Cl. 106—281)

10. An asphalt composition comprising an asphaltic material, a solid and at the interface therebetween an amine salt of a water-soluble acid-acting agent, wherein the amine is selected from the group consisting of (1) a long chain aliphatic hydrocarbon amine and (2) an oleic acid partial amide of a hydrogenated polyamine condensation product of acrolein and ammonia and the acid-acting agent is composed of a polyvalent anion and only monovalent cations, said amine salt being substantially insoluble both in water and in asphalt and being present at least in an amount sufficient to improve the adhesion of the asphalt to the solid.

2,582,824
BITUMINOUS COMPOSITION
Frederick M. Fowkes, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 23, 1948, Serial No. 16,632
6 Claims. (Cl. 106—281)

6. A bituminous composition comprising a wet aggregate, an asphalt and, at the interface therebetween, a bonding agent which is an amine salt of a water-soluble polyamine and a fatty acid of at least 12 carbon atoms, wherein the polyamine is selected from the group consisting of lower polyalkylene polyamines and a hydrogenated polyamine condensation product of acrolein and ammonia, said amine salt being free from amido groups.

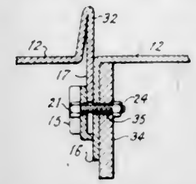
2,582,825
OPENING-LIMITING SYSTEM FOR TURBINE REGULATORS
Maurice Frachon, Grenoble, France, assignor to Ateliers Neyret-Beylier & Piccard-Pictet, Grenoble, France, a corporation of France
Application February 5, 1948, Serial No. 6,439
In France June 4, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 4, 1966
8 Claims. (Cl. 137—158)



1. Regulating apparatus for a prime mover comprising a device responsive to the speed of the prime mover, a device for controlling the supply of motive fluid to said prime mover, means connecting said devices so that said fluid supply control device normally follows the movements of said speed responsive device, a stop for limiting the movements of said fluid supply control device in a fluid supply increasing direction, yieldable means in said connecting means to permit continued movement of said speed responsive device in a fluid supply increasing direction after said fluid supply control device is stopped by said stop, and means in said connecting means for causing said fluid supply control device to follow a movement of the speed responsive device in a fluid supply decreasing direction immediately after such a continued movement of said speed responsive device in a fluid supply increasing direction.

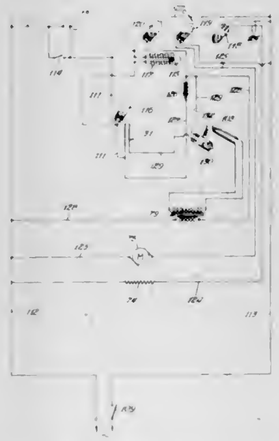
2,582,826
TRAY FOR USE IN REFINING TOWERS
Hans C. Glitsch, Dallas, Tex., assignor, by mesne assignments, to Glitsch Engineering Company, Dallas, Tex., a partnership
Application May 25, 1945, Serial No. 595,766
2 Claims. (Cl. 189—34)

1. A refinery tray assembly including, a plurality of elongate substantially parallel horizontal floor sections having their longitudinal edge portions in close proximity, each section being bent upon itself along one longitudinal edge portion into an upstanding thermal expansion and contraction knee normally open longitudinally of its bottom, the outer wall of the knee extending



below the floor section and forming a depending knee flange, the adjacent longitudinal edge portion of the next section being bent down into a depending flange extending a substantial distance below the knee flange, and separate friction clamps frictionally engaging the knee flange and the extending portion of the other flange.

2,582,827
SAFETY CONTROL SYSTEM FOR OIL BURNERS
Jefferson C. Gibson, Chicago, Ill.
Application May 2, 1946, Serial No. 666,693
3 Claims. (Cl. 158—28)



1. In a liquid fuel burner which includes a fuel supply system, an air supply system, and means for carburating fuel and air before ignition of a mixture thereof in a furnace; an electrothermal system for the automatic operation and safety control of said burner, comprising: an electrical power source; a main switch; a thermostatic switch; a safety switch; an electrical heating element connected in series with said main, thermostatic and safety switches across said source; a first thermostatic element disposed in association with and responsive to heat from said electrical heating element; a fourth switch made when said first thermostatic element is cold, and broken when said first thermostatic element is heated; fifth and sixth switches broken when said first thermostatic element is cold and made when said first thermostatic element is heated; a second electrical heating element for preheating said fuel connected in series with said fourth switch across said source; an electric motor for said

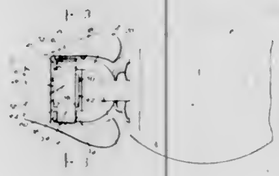
fuel and air supply systems connected in series with said fifth switch across said source; a transformer having the primary winding thereof and said sixth switch connected in series across said source; a fuel igniting spark gap connected in series with the secondary winding of said transformer; a solenoid connected in series with said main switch, said sixth switch, said safety switch and said thermostatic switch across said source, a fuel supply valve, said solenoid controlling the actuation of said fuel supply valve; a second thermostatic element responsive to the heat of combustion in said furnace; a seventh switch made when said second thermostatic element is cold, and broken when said second thermostatic element is heated; a thermostatic actuator including a resistance element in series with said seventh switch, both forming a shunt circuit about said solenoid; and means for breaking said safety switch by the energization of said resistance element thereby shutting off the fuel supply, the ignition spark, and said electric motor when combustion fails in said furnace.

2,582,828

SNAP HOOK FOR WRIST WATCH BANDS

Joseph L. Hajos, New York, and George Vollet, Freeport, N. Y., assignors to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J., a corporation

Application October 23, 1948, Serial No. 56,196
5 Claims. (Cl. 24—241)



1. An end attachment for a watch band for connecting the latter to the loop of a watch-case, comprising an end member having a plate and laterally spaced parts projecting therefrom, a U-shaped connecting member having one leg thereof mounted on said plate for pivotal movement about the axis of said leg, said leg being disposed transversely of said laterally spaced parts, the bend of said U-shaped member being spaced outwardly of one of said projecting parts and the other leg of said member being movable through the loop of the watch-case to a position over said plate transversely of said projecting parts, a locking member for releasably holding said other leg in said position, said locking member being mounted on said spaced parts for pivotal movement about an axis extending transversely of said parts to a locking position in which an end portion of the locking member partially overlies said other leg of said U-shaped connecting member, said end portion of the locking member terminating in a free end which is dimensioned to clear said other leg of the U-shaped member, for releasing said other leg, and said end portion of the locking member is moved toward said other leg, and means for preventing movement of said end portion of the locking member beyond said locking position thereof in a direction away from said other leg, said means being interengageable elements on said locking member and said plate.

2,582,829

PRODUCTION OF RUBBER PRODUCTS

Lynn Harbison, Akron, Ohio, assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application December 3, 1948, Serial No. 63,435
10 Claims. (Cl. 260—782)

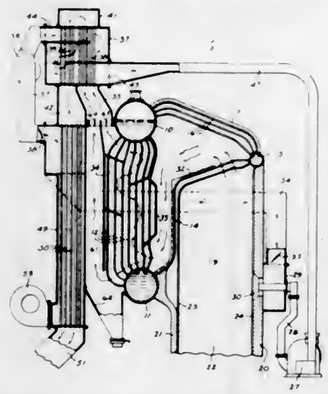
1. In the process of making a rubber product wherein the rubber mix, containing an organic accelerator of vulcanization, sulfur and a furnace carbon black having a pH of from 8.6 to 10.5, is preformed and vulcanized and wherein the problem of scorch is encountered that improvement which comprises adding from 0.25 to 4.5 parts of zinc peroxide per 100 parts of rubber to said rubber mix as the effective scorch preventive.

2,582,830

TEMPERATURE REGULATION OF AIR HEATERS

Charles F. Hawley, Holden, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts

Application January 21, 1946, Serial No. 642,451
4 Claims. (Cl. 122—1)



1. A vapor generator comprising liquid-containing elements, a primary air heater, a secondary air heater, means to supply air to the secondary air heater to be heated thereby, means to conduct part of the heated air from the secondary air heater to the primary air heater to be heated thereby, a passage through which hot gases may flow in contact with the said liquid-containing elements and thus be appreciably reduced in temperature, a by-pass for said passage through which hot gases may flow and be discharged at a temperature appreciably exceeding the temperature of the gases leaving the said passage, means to control the relative rates of gas flow in the passage and the by-pass, means to conduct all the gases from both the passage and the by-pass directly to the primary air heater, and means to conduct the gases from the primary air heater to the secondary air heater.

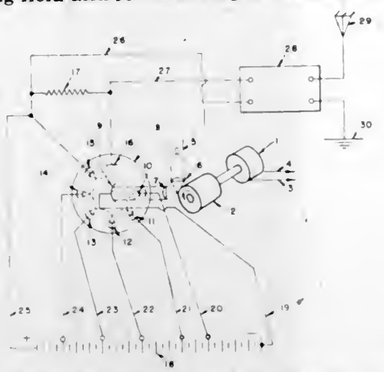
2,582,831

LOGARITHMIC CIRCUIT

Frank A. Hester, New York, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware

Application March 22, 1946, Serial No. 656,216
11 Claims. (Cl. 250—207)

1. The combination of a photo-electric cathode for liberating an electron stream in response to light variations impinging thereon, a plurality of secondary emission anodes for receiving said stream and emitting augmented streams, a final collector anode connected to the last of said secondary emission anodes by means of a substantially bias-free load circuit for producing a retarding field and for receiving the secondary electrons from said last of said anodes in quantity determined in part by the velocity distribution of said last emission and in part by said retarding field, said load circuit generating an output voltage logarithmically related to said light variations over at least a predetermined range of light variations.

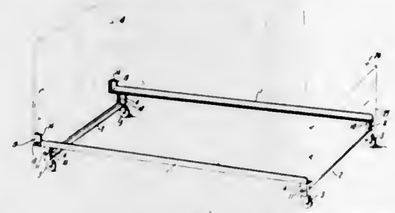


2,582,832

BED FRAME

Richard D. Hopkins, Berkeley, Calif.

Application March 29, 1948, Serial No. 17,719
2 Claims. (Cl. 5—131)



1. A bed frame, comprising a pair of side rails of right angular section and a pair of end rails, right angular mounting brackets fixed to and extending vertically downwardly from the ends of the side rails, complemental right angular mounting brackets fixed to and extending vertically upwardly from the end rails, one set of brackets being formed with pins and the other set of brackets being formed with slots freely engageable with said pins, said slots being biased so that when the rails are mounted and the pins are driven into the slots, a clamping force will be created along the length of the slotted rails to hold the rails rigid without wedging the pins in the slots.

2,582,833

METHOD FOR THE PREPARATION OF ALUMINUM AND MAGNESIUM SOAPS

James V. Hunn, Avon Lake, Ohio, assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application July 12, 1950, Serial No. 173,483
14 Claims. (Cl. 260—414)

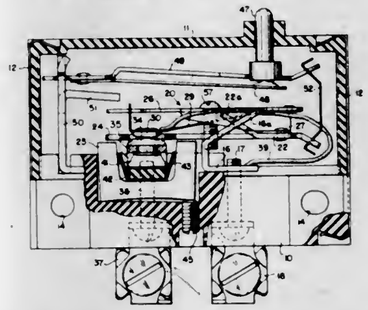
1. A process for producing aluminum and magnesium salts of aliphatic acids which comprises the steps of admixing a metal selected from the group consisting of aluminum and magnesium with from about 4 to about 20 times the weight of the metal of a substantially dry, aliphatic alcohol of less than 4 carbon atoms, said alcohol containing in solution a trace of a soluble mercury compound, adding a free aliphatic acid, and reacting said mixture to produce a substantially anhydrous product.

2,582,834

SNAP SWITCH

Murrell F. Kautz, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application December 31, 1949, Serial No. 136,351
5 Claims. (Cl. 200—67)



1. In a snap switch, a base, a stationary contact on said base, a permanent magnet pivotally mounted on said base with opposite poles disposed on opposite sides of said stationary contact, the pivotal axis of said magnet being so located that movement of said magnet raises or lowers only one of the poles with respect to the operative surface of said stationary contact, means for adjusting the angular position of said magnet on said base, an arm pivotally mounted on said base on an axis parallel to the pivotal axis of said magnet in said base, a movable contact on said arm adapted to cooperate with said stationary contact, an armature pivotally mounted on said arm on an axis parallel to the pivotal axis of said arm, and means for adjusting the angular relationship between said arm and said armature to adjust the relative positions of said armature and said movable contact and therefore the spacing between said armature and said magnet when said contacts are in engagement.

2,582,835

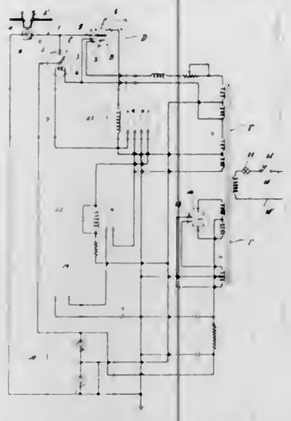
PHOTOMETRIC DEVICE

Hermann Kott, West Orange, N. J.

Application September 3, 1947, Serial No. 771,973
5 Claims. (Cl. 88—23)

1. A photo-metric device comprising in combination a photo-electric cell having an anode and a light sensitive cathode enclosed within a radiation permeable envelope, a 3-electrode thermionic device having a thermionically active cathode, a plate electrode and a grid electrode, and a relay switch having a stationary contact, a movable contact and an electro-magnetic coil arranged to move the movable contact into and out of closure position with the stationary contact upon energization and de-energization of the coil, respectively, means electrically connecting the light sensitive cathode of the cell, the grid electrode of the thermionic device and one of the contacts of said relay switch together, means

applying to the anode of the said cell and to the other of said contacts of the said relay switch a direct current of determined voltage with the positive potential on the said anode and connected to ground potential and the negative potential connected to the said other contact; means establishing a plate current flow of determined voltage in said 3-electrode device, means actuated by said plate current to energize said



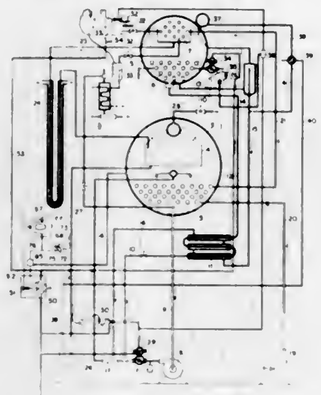
relay coil to actuate said movable contact into closure position with the stationary contact, thereby to impress a negative charge on the light sensitive cathode and grid electrode electrically connected therewith to thereby terminate the flow of plate current in said 3-electrode device, means actuated by said plate current flow to indicate the occurrence thereof, and means limiting the irradiation of said photo-electric cell to radiation the quantity of which is to be measured.

2,582,836
PUMPING JACK
Samuel C. Kyle, Berkeley, Calif., assignor to The Pelton Water Wheel Company, San Francisco, Calif., a corporation of California
Application December 4, 1946, Serial No. 713,890
5 Claims. (Cl. 121—158)



1. A pumping jack comprising a cylinder, a piston reciprocable in said cylinder, means for supplying said cylinder with actuating fluid, a hydraulically actuated control valve for said supplying means, a relatively long hydraulic actuation conduit extending between said cylinder and said control valve, and a check valve closed by flow of actuating fluid from said cylinder disposed in said conduit between said cylinder and said valve and located close to said cylinder.

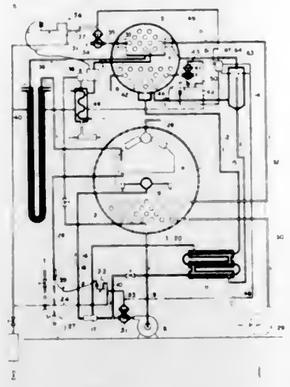
2,582,837
SAFETY CONTROL FOR ABSORPTION REFRIGERATION MACHINES
Louis H. Leonard, Jr., Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application March 31, 1949, Serial No. 84,702
9 Claims. (Cl. 62—5)



1. In an absorption refrigeration system, the combination of an absorber, an evaporator, a generator and a condenser disposed in a closed circuit, means for regulating flow of solution through the circuit, means for regulating supply of heating medium to the generator, means for regulating supply of cooling medium to the absorber and condenser, a pneumatic supply system for actuating the regulating means, means for reflecting a predetermined increase in temperature of chilled water leaving the evaporator, and means for venting at least a portion of the pneumatic supply system to the atmosphere to discontinue operation of the absorption system, said venting means being actuated by said reflecting means.

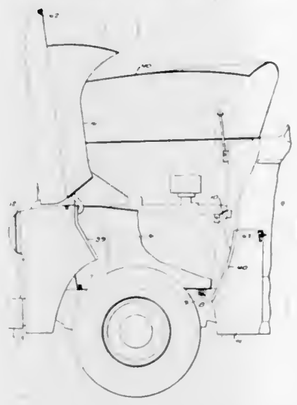
2,582,838
CONTROL MECHANISM FOR ABSORPTION REFRIGERATION SYSTEMS
Louis H. Leonard, Jr., Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application June 16, 1949, Serial No. 99,489
5 Claims. (Cl. 62—5)

1. In an absorption refrigeration system, the combination of an absorber, an evaporator, a condenser and a generator, a valve for regulating passage of solution through the system, a control, an air line connecting the control and the valve, said control actuating said valve, a second valve for regulating passage of steam through the generator, a second control for regulating operation of said second valve, a third valve for regulating passage of condensing water through the condenser, a third control, a second air line connecting the third control and the third valve, said third control actuating the third valve, a source of supply of compressed air connected to the first and third controls, control mechanism connected to the first air line and to the second air line, and a third air line connecting said mechanism to the second control, said mechanism being responsive to differences in air pressure in the first and second air lines whereby the



first air line is connected to the third air line or the second air line is connected to the third air line in accordance with the respective pressures in said first and second air lines.

2,582,839
MOTORCAR FENDER WITH MOVABLE SECTION
Thomas R. Lippard, Gaylord, and John E. Bendure, Detroit, Mich., assignors to Federal Motor Truck, Detroit, Mich., a corporation of Michigan
Application August 10, 1950, Serial No. 178,704
9 Claims. (Cl. 280—153)



1. A fender for use upon automobile bodies and particularly truck bodies, said fender having front and rear stationary sections and a hinged movable intermediate section, a cross bar for securing the front section to the body frame, a second cross bar for securing the rear stationary section to the cowl, one or more concealed hinge arms pivoted to one of the cross bars for hinging the intermediate section to one of the stationary sections and interlocking parts on the free end of the hinging intermediate section and the cross bar other than the bar which supports said hinges, for interlocking the hinging section to one of the stationary sections.

2,582,840
SIZING FIBROUS MATERIALS WITH MODIFIED UREA-FORMALDEHYDE RESIN
Charles S. Maxwell, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 7, 1946, Serial No. 695,550
4 Claims. (Cl. 92—21)

1. A method of making paper having substantial wet strength by reason of a content of 0.1–5% of a cured area-formaldehyde resin impregnated uniformly therein which comprises preparing a water suspension of paper making fibers, adding to said suspension an aqueous solution of a partially polymerized hydrophilic urea-formaldehyde-sulfite resin colloid, precipitating said resin or said fibers in amounts of 0.1–5% by weight thereof, forming the resin-containing fibers into a waterlaid product, and heating the wet, waterlaid fiber product so formed to cure the urea-formaldehyde-sulfite resin in situ in the felted fibers while simultaneously drying the same, the said simultaneous curing of the resin and drying of the felted fibers being effected by subjecting the wet, waterlaid product to a temperature between 180° and 300° F. for not more than five minutes, the time and temperature of such heating being sufficient to cure the resin to a water-insoluble condition capable of imparting improved wet strength to the felted fiber product and to produce a dry, waterlaid fiber product containing felted fibers bonded togeher by the socured resin.

2,582,841
CASKET CONSTRUCTION
James J. McEwan, Batesville, Ind., assignor to The Batesville Casket Company, Batesville, Ind., a corporation of Indiana
Application January 15, 1948, Serial No. 2,481
2 Claims. (Cl. 27—17)

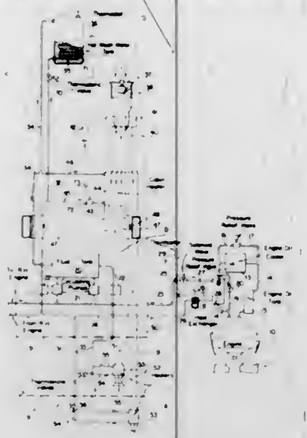


1. A sealed sheet metal casket structure comprising; a body shell and a lid shell, said respective shells having corresponding inturned marginal flanges, a sealing gasket secured to one of said flanges and adapted to be engaged by the other of said flanges to seal said body and lid shells, a respective framing member secured within said body and lid shells to the interior of said respective flanges, a plurality of pull-down bolts anchored in said lid shell framing member, and securing said framing member to said lid flange to stiffen the same, a longitudinally translatable pull-down bar disposed within said body shell framing member and adapted to engage said pull-down bolts to clamp said lid shell to the body shell, a plurality of brackets extending between said body framing member and body shell, studs extending through said brackets, framing member and body flange to clamp the same together and stiffen said flange.

2,582,842
AIRCRAFT HEATING SYSTEM
Bernard L. Messinger, Pacific Palisades, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application September 24, 1948, Serial No. 51,083
3 Claims. (Cl. 237—8)

2. In an aircraft having a cabin space and a propulsive engine provided with a lubricating sys-

tem circulating hot oil including a duct for carrying hot oil from the engine and for returning the oil to the engine; the combination of a liquid medium circulating system external of the engine including duct means for said medium and a pump for circulating said medium through the duct means, a relatively small liquid supply tank connected in the second named system, a larger supply tank connected with the small tank to re-



plenish the liquid in the second named system, means responsive to the liquid level in the small tank for controlling the delivery of liquid from the larger tank to the small tank, heat exchanger means connected in said systems for bringing the hot oil in heat transfer relation to the liquid circulating in said second named system to heat said medium, and means for bringing said heated circulating medium into heat transfer relation to the air in said cabin space to heat the same.

2,582,843

CONTACT SPACED TARGET-MESH ASSEMBLY FOR TELEVISION PICKUP TUBES

Robert S. Moore, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application August 27, 1948, Serial No. 46,452
13 Claims. (Cl. 313—89)



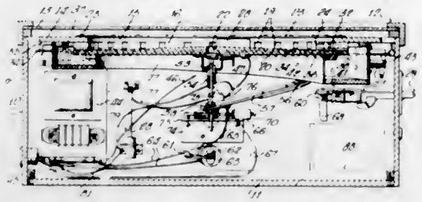
1. A target assembly for an electron discharge device comprising a flat support ring, a screen fixed to one face of said support ring across the open center of said ring, a thin target sheet mounted around its periphery on said support ring face, said support ring having an annular portion about the center of said ring and within the periphery of said target sheet, said annular portion projecting above the surface of said support ring face and pressing said screen into contact with said sheet.

2,582,844

PNEUMATICALLY ACTUATED MARBLE GAME APPARATUS

Carl L. Mourfield, Dallas, Tex., assignor to Chas. E. Logan, Dallas, Tex.

Application August 4, 1949, Serial No. 108,609
7 Claims. (Cl. 273—119)



3. A coin operated amusement device including a circular deck having a central opening, an air manifold surrounding said deck having orifices disposed to release air in directions tangent to said deck and defining a marble race-way, means for supplying air into said manifold for discharge under pressure through said orifice to propel marbles around said race-way, means automatically movable into said race-way for diverting marbles from said race-way, stationary means against which said marbles are directed by said automatically movable means for deflecting said marbles towards the center of said deck, means for manually retracting said automatically movable means, and means operative to suspend discharge of air through said orifices when a marble falls into said deck opening.

2,582,845

MEANS FOR REDUCING LOCAL ACTION IN LEAD ACID STORAGE BATTERIES

Harold Purves Murphy, Ridley Park, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey

No Drawing. Application November 28, 1945, Serial No. 631,471
5 Claims. (Cl. 136—153)

1. In a lead acid storage battery cell comprising positive and negative electrodes having grids containing antimony assembled with electrolyte in a suitable container, the improvement which consists in the incorporation in the cell in contact with the electrolyte of a soluble compound of a metal selected from the group consisting of cadmium and zinc in a quantity which will provide an amount of metal between the limits of 0.1 to 50 milligrams per square inch of negative electrode surface.

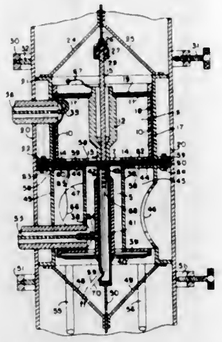
2,582,846

MICROWAVE AMPLIFIER

Henry Victor Neher, Pasadena, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application April 19, 1944, Serial No. 531,828
25 Claims. (Cl. 315—6)

1. An electronic tube for very high frequencies comprising opposed coaxial resonators having opposed parallel plane extremities of their respective inner conductors constituting a cathode and an anode respectively, with relatively close spacing, a grid interposed between said extremities and parallel thereto mounted on supporting means interposed, together with electrical insulation, between said resonators, adjustable means for adjusting the longitudinal position of said extremities including a pair of struts each mounted at an oblique angle to the axis of said resonators and having a junction substantially on said axis mechanically connected to the inner conductor of one of said resonators, said struts



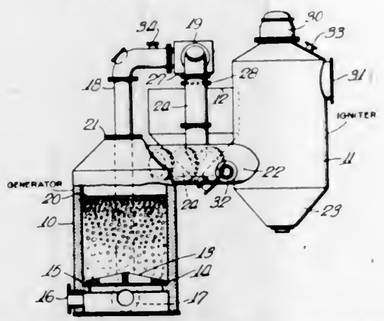
being adapted when squeezed together to pull said inner conductor of said resonator away from the other of said resonators and when pulled apart to propel said inner conductor towards said other resonator, said means including also another pair of struts adapted to act similarly on the inner conductor of the other of said resonators, said resonators each having a flexible diaphragm at their respective axial extremities farthest from said grid, said flexible diaphragm being adapted to permit adjustment of the longitudinal position of said inner conductor by said pair of struts, and means, including a tubular metal shell maintaining a desired gas pressure between said extremities and in said resonators.

2,582,847

BLUE GAS SET

Reginald P. Oliveros, Williston Park, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

Application January 29, 1949, Serial No. 73,469
3 Claims. (Cl. 48—82)



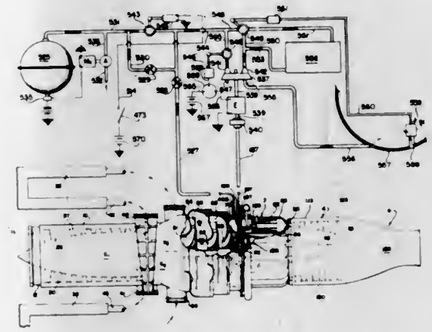
1. A blue gas set consisting essentially of a generator having a grate therein, a single igniter, an unobstructed and valve free passageway connecting the top of the generator with the base of the igniter, a single washbox, a valve housing, a backrun line leading from the base of the generator to the valve housing, an uprun line separate and independent of said unobstructed and valve-free passageway leading from the top of the generator directly to said valve housing, a valve in said housing controlling flow through said backrun and uprun lines, and a conduit connecting said housing with said washbox.

2,582,848

AIRCRAFT POWER PLANT AND CABIN PRESSURIZING SYSTEM

Nathan C. Price, Los Angeles, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.

Original application March 6, 1942, Serial No. 433,599. Divided and this application February 2, 1945, Serial No. 575,913
9 Claims. (Cl. 244—59)



1. In combination with an aircraft having a pressure cabin, a cabin air supply means comprising an air compressor for producing a substantially greater air pressure than sea level altitude pressure when the aircraft is flying at high altitudes, an intercooler and an air turbine, means for loading said air turbine, bypass means for passing compressed air from said compressor through said cooler to said turbine, means for passing compressed air from said compressor directly to said turbine, said turbine operating to reduce the temperature of said air to an extent greater than is obtainable with the Joule-Thomson effect at a given pressure ratio, and means to selectively adjust the proportion of air passed directly to said turbine and through said bypass means, an exhaust for said air from said turbine, and means to transfer said exhaust air under pressure from said turbine to said pressure cabin.

2,582,849

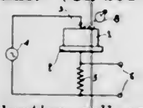
PHENYLENE DIAMINE-FORMALDEHYDE RESIN PREPARATION

Dirk Ramondt, Bloemendaal, Netherlands, assignor to N. V. Octrooien Maatschappij "Activit," Amsterdam, Netherlands

No Drawing. Application December 26, 1947, Serial No. 794,079. In the Netherlands July 28, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 28, 1962
3 Claims. (Cl. 260—72.5)

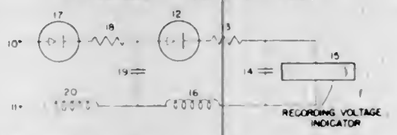
2. A process for the manufacture of an ion exchange resin which comprises dropping in the form of drops an acidic aqueous mixture of metaphenylene diamine and formaldehyde into a warmer immiscible liquid maintained at a temperature sufficient to cause polymerization of said mixture.

2,582,850
PHOTOCELL
Albert Rose, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 3, 1949, Serial No. 79,348
10 Claims. (Cl. 201—63)



1. A photo-conductive cell comprising a first and a second body of cadmium sulphide, said bodies contacting each other, and two metallic electrodes, each being in contact with one of said bodies.

2,582,851
TRANSIENT ANALYZER
Arthur C. Ruge, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy
Application May 1, 1945, Serial No. 591,299
5 Claims. (Cl. 175—183)



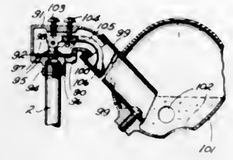
5. A device for analyzing electrical transients comprising, in combination, a first circuit including a first resistor, a first capacitor, a first inductor and a first rectifier connected in series, a second circuit including a second resistor, a second capacitor, a second inductor and a second rectifier connected in series, said second circuit being connected in shunt with said first capacitor, each of said circuits having a square wave response characterized by an initial relatively slow rate of rise of potential across the capacitor forming a part thereof followed by a relatively rapid rate of rise of potential across the capacitor to the vicinity of the potential of the applied square wave, means for coupling said first circuit to the source of electrical transients, and means for measuring the potential across said second capacitor following the application of said transients to said first circuit.

2,582,852
METHOD OF MAKING CELLULAR GLASS OF LIGHT COLOR
Montgomery J. Shoemaker, Olean, N. Y., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application June 16, 1948, Serial No. 33,445
11 Claims. (Cl. 106—40)

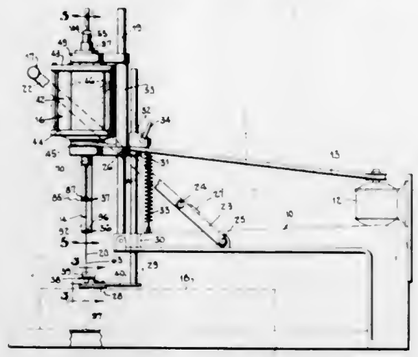
1. A process of preparing a light-colored cellulated glass which comprises heating a mixture of finely pulverized suitable glass containing 3 to 15% by weight of ferric oxide and pulverulent carbon to temperatures of 1500° F. to 1800° F. for sintering and cellulating the mixture.

2,582,853
INLET FLOAT VALVE FOR FLUSH TANKS
Harry Ford Smith, Lexington, Ohio, assignor to Mansfield Sanitary Pottery Inc., Perrysville, Ohio, a corporation of Ohio
Application August 17, 1944, Serial No. 549,865
11 Claims. (Cl. 137—104)

2. A flush tank inlet valve comprising a hollow body having a liquid passage therethru, a valve seat around said passage, an annular space around said seat and an outlet for liquid flowing from said space, a flexible diaphragm constituting a valve for said seat and interposed between said seat and said outlet, said diaphragm having openings therethru communicating with said annular space, a float lever pivotally attached to said body, and means actuated by movement of said lever to press said diaphragm against said seat.



2,582,854
CLOTH MARKING MACHINE
Edward F. Smith, Cincinnati, Ohio, assignor to The Wolf Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application August 8, 1946, Serial No. 689,295
4 Claims. (Cl. 101—26)



1. In a machine for marking cloth with a marking fluid which is composed of a mixture of finely divided pigment particles and volatile liquid and which is characterized by rapid settling of the particles unless agitated, a fluid reservoir, the bottom of the reservoir configurated to provide a raised central portion and a trough surrounding said portion, a packing gland within the raised central portion, an elongated hollow needle having an entry port adjacent its upper end and an egress port adjacent its lower end, the upper end of said needle slidably mounted within said packing gland and movable between a position in which the entry port is within and closed by said packing gland and a position in which said entry port is above said packing gland and open to the reservoir, spring means urging said needle toward the first of said positions, means for rotating said reservoir, means for agitating marking fluid within the reservoir operable only upon rotation of the reservoir, means for lowering said reservoir while the reservoir is rotating to force the needle to pierce a stack of cloth, whereby the needle upon contact with the cloth is moved upwardly relative to the packing gland to open the entry port to agitated marking fluid in the reservoir and permit said fluid to flow through the hollow needle, and said needle

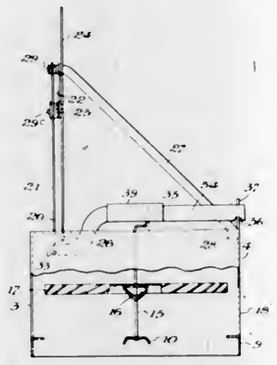
adapted to be raised when the reservoir is still and the pigment particles settled into the trough to open the entry port to particle-free liquid, and permit said particle-free liquid to flow through the hollow needle in order to wash out deposited pigment.

2,582,855
ELECTRIC TUNNEL KILN
Edward Van der Pyl, Holden, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 28, 1948, Serial No. 67,633
15 Claims. (Cl. 13—20)



1. A tunnel kiln comprising an elongated refractory structure having a pair of parallel tunnels one above the other, electrical rod resistors extending through said refractory structure from side to side in a plurality of banks there being at least one bank of rods extending transversely through each tunnel, a pair of batt supporting rods in each tunnel said batt supporting rods of each pair being parallel to each other and extending lengthwise of the tunnel, means to move refractory batts on said supporting rods through each of said tunnels, said tunnels being connected only by a passage at the locus of the banks of rod resistors.

2,582,856
AIR OPERATED FIGURE TOY
John N. Zelik, Pittsburgh, Pa.
Application August 13, 1948, Serial No. 44,090
2 Claims. (Cl. 46—55)

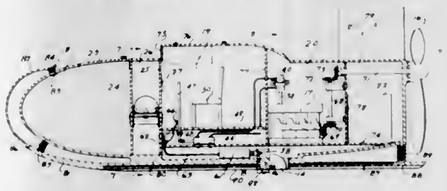


1. In a toy as described, a hollow base having top and bottom air circulation openings therein, a shaft having its axis extending between said openings and a crank at its upper end, a rotor on said shaft operated by air circulating through said openings, a lever extending transversely of the top opening and having a pivotal connection adjacent one side of said base, a connection between said crank and lever for imparting an oscillatory movement to said lever in response to rotation of said crank, and an image at an opposite side of said base with a pivoted member operatively connected to said lever for operation thereby.

2,582,857
FUNGICIDAL PREPARATION
Lester A. Brooks, Norwalk, Conn., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 27, 1950, Serial No. 146,623
2 Claims. (Cl. 260—306.6)

1. A solution of the monoethanolamine salt of 2-mercaptobenzothiazole dissolved in at least one solvent selected from the group consisting of dioxane and compounds of the generic formula $H(OC_2H_4)_nOR$, in which R is a substituent selected from the group consisting of hydrogen and alkyl radicals having from 1 to 4 carbon atoms and in which n is an integer from 1 to 4.

2,582,858
MOTOR PROPELLED SNOW SLED
Ignatius James Capiak, Chicago, Ill.
Application June 2, 1948, Serial No. 30,559
4 Claims. (Cl. 180—3)

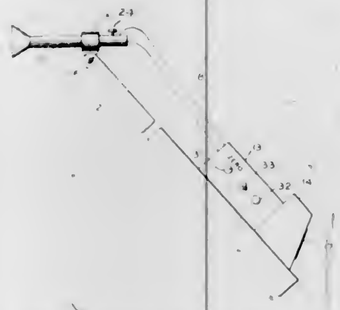


1. In a snow sled, the combination which comprises an elongated substantially hollow body having a flat base with extended longitudinally disposed flanges at the sides and having a longitudinally disposed concave recess in the under surface and positioned midway between the sides, said body having a housing substantially semicircular in cross section with vertically disposed sides spaced inwardly from the edges of the base, the forward end of said body having a conical shaped section extended therefrom forming a nose, the trailing end of said body having an arcuate upwardly sloping lower surface spaced from the base from a point substantially one-third of the length of the base, the trailing end of said base having an extended springy panel spaced from the under surface of the trailing end of the body and the forward end of the base being formed with an upwardly extended arcuate springy member extended around the forward end of the nose, said arcuate member on the forward end being separated from the body from a point substantially one-third of the length of the body, means associated with said body for limiting the separating movement of the arcuate springy member on the forward end from the body, other means associated with said body for limiting separating movement of the springy panel on the trailing end of the body from the body, and resilient means embodying coil springs secured between the said arcuate springy member, and extended springy panel, and adjoining surfaces of the body.

2,582,859
GAS LEAK DETECTOR
Olin Centofanti, Paulsboro, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 8, 1947, Serial No. 759,567
1 Claim. (Cl. 73—27)

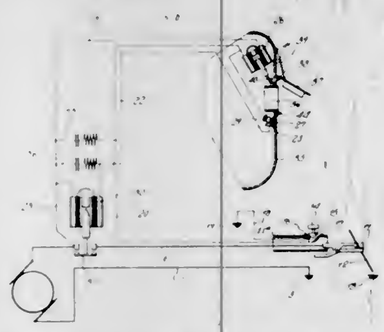
A gas leak detector comprising in combination an operating handle, a detector tube, means for

pivotally securing said detector tube to one end of said handle, said detector tube being open at one end, means for closing the other end, means defining a passageway through the wall of the tube adjacent the closed end thereof, a valve adapted to register with said passageway to limit fluid passage therethrough, an external electrical circuit, a standard resistance in said external electrical circuit, means for housing said external circuit, means for securing said external circuit housing means to the opposite end of said op-



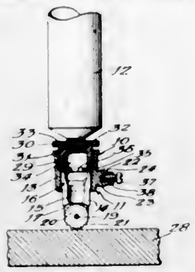
erating handle, means within said housing for supplying electrical power to said circuit, heat sensitive means disposed in said tube at a point intermediate the open end of the tube and the passageway through the wall of the tube, means for connecting the heat sensitive means to the external electrical circuit to form with the external circuit and standard resistance a Wheatstone bridge, and means carried by said handle adjacent said housing for indicating the unbalanced bridge current flow in the external circuit.

2,582,860
WELDING SHIELD
John W. Clerke, Little Falls, N. J.
Application November 14, 1945, Serial No. 628,527
6 Claims. (Cl. 2—8)



1. An arc welding shield shutter and an arc circuit controlling apparatus comprising an electrode holder, a spring actuated normally open switch mounted thereon having one contact arranged for electrical connection to one terminal of the source of welding current and the other contact arranged for electrical connection to the other terminal of said source, a solenoid having a substantial time lag in series with the last mentioned connection, and means operated by the solenoid for moving the shutter into eye-protecting position when the contacts are brought together.

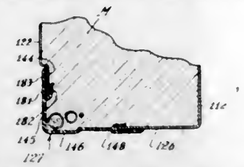
2,582,861
ROTARY STRIPING WHEEL PAINT STRIPER AND ADAPTER FOR USE WITH COLLAPSIBLE PAINT TUBE CONTAINERS AND THE LIKE
Leslie W. Coombs, deceased, late of Chicago, Ill., by American National Bank and Trust Company of Chicago, administrator, Chicago, Ill.
Application August 4, 1948, Serial No. 42,393
6 Claims. (Cl. 15—131.05)



4. A striper comprising a striping wheel-holding unit including a combination clamping and coupling member having a central opening extending therethrough providing a seat, a pair of complementary striping wheel-holding jaws arranged in the said opening in the said combination clamping and coupling member and bearing upon the said seat, each of said striping wheel-holding jaws having a groove formed therein in its inner surface and the said grooves cooperating with each other, when the said striping wheel-holding jaws are in assembled position in the said combination clamping and coupling member, to provide a central passage having a discharge outlet at its lower end, and a striping wheel rotatably carried by the said striping wheel-holding jaws and having its peripheral edge portion positioned to receive paint or analogous fluid surface-striping material from the said discharge outlet at the lower end of the said passage and to convey such paint or analogous striping material onto the work, and an adapter member detachably mounted in the said combination clamping and coupling member for detachably attaching the reduced neck portion of a collapsible tube container to the said combination clamping and coupling member of the said striping wheel-holding unit, and the said adapter member having a centrally arranged passage formed therein for conducting paint or analogous fluid surface-striping material from the outlet opening in the reduced neck portion of the said collapsible tube container through the said central passage in the said striping wheel-holding jaws and through the said discharge outlet at the lower end thereof onto the peripheral edge of the said striping wheel, and the adapter member having contact means at its lower end for securing said wheel-holding jaws in complementary position within the combination clamping and coupling member.

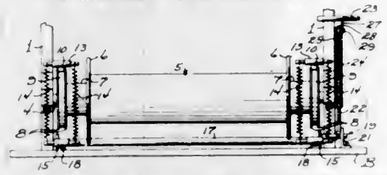
2,582,862
REFRIGERATOR CABINET
Carl Edward Harry Frykdahl, Duluth, Minn., assignor to The Coolerator Company, Duluth, Minn., a corporation of Minnesota
Application September 28, 1946, Serial No. 699,979
5 Claims. (Cl. 220—15)

3. A double-walled cabinet comprising spaced inner and outer shells having openings on corresponding sides thereof, a flange on the outer shell extending into the opening therein and substantially perpendicular to the terminal portion of said inner shell and spaced therefrom, said terminal portion having its free edge terminating inwardly from the plane of said flange, the free edge of said flange being spaced outwardly from the plane of said terminal portion, and a plurality of means for supporting the inner shell from the outer shell, each of said means comprising a bracket having a free side parallel to said flange, a side secured to the flange in spaced relation to the free edge of said flange, and a side abutting the shell adjacent the flange; another bracket



having a free side extending toward the free side of said first mentioned bracket; and a side secured to the inner shell in inwardly spaced relation to the free edge of said terminal portion; a low-heat conductant member having portions engaging the free sides of the brackets; and means securing the said engaging portions to the said free sides; and a strip of substantially right-angular cross section mounted on said flange and said terminal portion and having two bifurcated edges, said flange being disposed in one of said bifurcated edges, and said terminal portion being disposed in the other of said bifurcated edges.

2,582,863
TENSION WARP LETOFF FOR LOOMS
Gustave A. Geeraert, Lawrence, Mass.
Application June 21, 1948, Serial No. 34,266
5 Claims. (Cl. 139—100)



1. In a loom, a warp roll, a shaft rotatably mounted in warp frames extended from posts at the ends of the loom frame on which the warp roll is positioned, a transversely disposed shaft rotatably mounted in the end of said loom frame, said shaft having outwardly extended horizontally disposed rocker arms on the ends thereof, horizontally disposed brake levers attached to said warp frames parallel to the said rocker arms and extended across the ends of said warp roll shaft for frictionally engaging said shaft to provide braking means for the roll, springs connecting the outer end of the said brake levers and rocker arms on the opposite sides of the loom respectively, and means adjusting the tension on said springs.

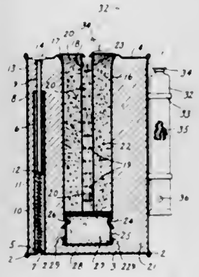
2,582,864
DETACHABLE FLEXIBLE SEAT FOR FOLDING CHAIRS
William L. Gittings, Louis W. Christianson, and William C. Johnson, Racine, Wis., assignors to Gold Medal Folding Furniture Company, Racine, Wis., a corporation of Wisconsin
Application September 30, 1949, Serial No. 118,904
1 Claim. (Cl. 155—140)

In a folding chair including pivotally connected legs and a pair of side rails rigidly connected to said legs, a fabric seat carried by said side rails, a pair of arm rests including back posts, a fabric back rest carried by said back posts, and hinges connecting said arm rest to said side rails; longitudinal recesses formed in the outer faces of said side rails, and welts formed



on the ends of said fabric seat for insertion in said recesses, said hinges overlying said welts to hold the same in said recesses, said arm rests being normally supported on said rails above said fabric seat and cooperating with said rails to clamp the ends of said seat.

2,582,865
HEATING CONTAINER FOR RAPID PREPARATION OF HOT DRINKS
Albert Gourgues, Lyon, France
Application November 26, 1946, Serial No. 712,390
In France September 14, 1946
7 Claims. (Cl. 126—262)



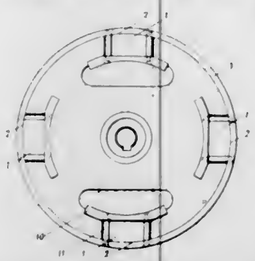
1. In a beverage container of the type adapted to be subjected to a rise of temperature just prior to consumption of said beverage, a device for permitting the beverage to be raised above the level thereof present within said container, by atmospheric pressure upon the body of liquid therewithin, including a relatively elongated tube, spring means for raising the major portion of said tube above said container, restraining means normally holding said tube within said container, said restraining means being rendered ineffective only when heated to a predetermined temperature inferior to the temperature attained by said beverage just prior to the consumption thereof, but superior to normal circumambient atmospheric temperature, whereby heating of said beverage releases said tube, and said spring means raises the tube until the upper end thereof is accessible, so that atmospheric pressure upon the liquid surface therewithin may be reduced by pulmonary means, thereby causing upward liquid flow through said tube.

2,582,866

MAGNETOELECTRIC MACHINE

Paul Harsch, Nurnberg-Eibach, Bavaria, and Franz Rinkel, Nurnberg, Bavaria, Germany, assignors to Firma "Noris" Zund-Licht Aktiengesellschaft, Bavaria, Germany

Application April 7, 1949, Serial No. 85,966
In Germany November 6, 1948
8 Claims. (Cl. 171—209)



1. A magneto-electric machine comprising in combination, a rotatable carrier consisting of magnetic material and having a hub; a plurality of permanent magnets having center lines radially disposed and arranged in a symmetrical configuration in said carrier with respect to said hub and with equal distances therefrom; and at least one coil arranged between said hub and said magnets and having a magnetic core arranged with the axis thereof at any moment at right angles to one of the radial directions from said hub to said carrier, whereby the magnetic circuit extends from said magnetic carrier through one of said magnets substantially parallel to the center line thereof, said core of said coil, and another of said magnets substantially parallel to the center line thereof and back to said magnetic carrier.

2,582,867

ALKYLIDENE-ALKOXYARYLALKYLAMINES AND PREPARATION THEREOF

Howard D. Hartough, Pitman, and Joseph J. Dickert, Jr., West Collingswood, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application May 27, 1948, Serial No. 29,668
8 Claims. (Cl. 260—566)

1. A method of preparing an N-alkylidene-(alkoxyaryl) alkylamine which comprises mixing an aromatic hydrocarbon having only an alkoxy substituent with at least a molar equivalent of an alkylaldehyde, at least one-third of a molar equivalent of ammonium halide and a solvent amount of acetic acid to form a reaction mixture, maintaining said reaction mixture at a temperature within the range of about 50° to about 100° C., and recovering N-alkylidene-(alkoxyaryl) alkylamine.

8. A new composition of matter containing 72.48 per cent carbon, 7.38 per cent hydrogen, and 9.39 per cent nitrogen, having a molecular weight of 447 and having a melting point after 4 recrystallizations from denatured alcohol of 108° to 110° C., said material conforming to the formula



said material when oxidized with alkaline permanganate yielding p-anisic acid having a melting point of 181.5° to 183° C.

2,582,868

COMPOSITION AND PROCESS FOR COLORING CITRUS FRUIT

George J. Hausmann, Merchantville, N. J., and Bayard S. Johnson, Havertown, and Charles W. McDermott, Philadelphia, Pa., assignors to Franklin Research Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application October 14, 1949, Serial No. 121,454
18 Claims. (Cl. 99—103)

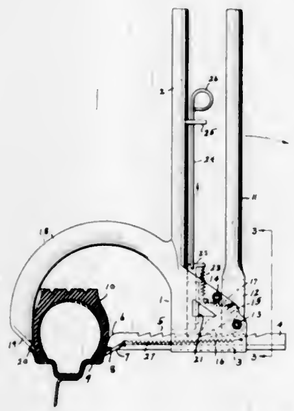
1. A non-aqueous concentrate for dilution with water to form a coloring bath for citrus fruit, said concentrate consisting essentially of an oil-soluble, water-insoluble dye dissolved in a non-ionic, surface active solvent for said dye selected from the group consisting of the polyoxyalkylene esters of organic acids, the polyoxyalkylene derivatives of hexitol anhydride, the polyoxyalkylene derivatives of sorbitol esters of fatty acids, polyoxyalkylene ethers, polyoxyalkylene thioethers, alkyl aryl polyether alcohols and polyoxyalkylene derivatives of fatty amides.

2,582,869

AXIALLY COLLAPSING TYPE TIRE REMOVING HAND TOOL

Connie H. Honeycutt, Houston, Tex.

Application November 21, 1946, Serial No. 711,289
2 Claims. (Cl. 157—1.26)



1. A tire removing tool comprising, a frame, an arm rigidly secured to the frame and terminating in a forwardly inclined jaw and having a rim flange receiving notch between the jaw and the adjacent end of the arm, a bar slidable in the frame and terminating in a jaw which confronts the other jaw, there being a notch between said last mentioned jaw and the adjacent end of the bar, resilient means connected to the frame and bar and urging the bar in a direction to separate the jaws, an oscillating lever pivoted to the frame, a pawl on the lever adapted to cooperate with said bar, as the lever is oscillated, to move the jaws, relatively, toward each other, a dog mounted in the frame and engageable with the bar to prevent retraction of the bar and of the jaw carried thereby.

2,582,870

WATER-REPELLENT TEXTILE FABRICS RESISTANT TO FUNGI AND BACTERIA

Paul V. Keyser, Jr., Moorestown, John W. Schick, Camden, and Howard D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application July 25, 1947, Serial No. 763,743
7 Claims. (Cl. 117—138.5)

1. The method for producing mildew-proofed, water-repellent organic fibrous material, which comprises contacting organic fibrous material with a first aqueous solution containing about 5 to about 10 weight per cent of copper acetate to sorb at least a portion of said copper salt on said fibrous material, separating said fibrous material and sorbed copper salt from said first aqueous solution, contacting the so-treated fibrous material with a second aqueous solution containing about 5 to about 15 weight per cent of trisodium phosphate, thereby obtaining treated fibrous material having sorbed water insoluble copper salt, separating the so-treated fibrous material from said second aqueous solution, contacting the so-treated fibrous material with a third aqueous solution containing a water-soluble nitrogenous material, said nitrogenous material being obtained by reacting a heterocyclic compound selected from the group consisting of furan, pyrrole and thiophene with at least a molecular equivalent per mole of said heterocyclic compound of a nitrogenous compound selected from one group consisting of hydroxyl substituted ammonium halide and ammonium halide having a molecular weight calculated as NH_4X, where X is halogen, greater than 38 and with formaldehyde to obtain water-soluble nitrogenous material, thereby obtaining organic fibrous material with sorbed water-insoluble copper salt and sorbed water-soluble nitrogenous material, separating the so-treated fibrous material from said third aqueous solution, contacting the so-treated fibrous material with a fourth aqueous solution containing about 10 weight per cent sodium acetate to convert said sorbed water-soluble nitrogenous material into sorbed water-insoluble nitrogenous material, separating the so-treated fibrous material from said fourth aqueous solution, water-washing the so-treated fibrous material, contacting the so-treated fibrous material with a fifth aqueous, alkaline solution containing formaldehyde, having a pH of about that of an aqueous solution containing 1% NaOH and 12% formaldehyde, separating the so-treated fibrous material from said fifth aqueous solution, heat-treating the so-treated fibrous material at about 115° to about 120° C., and water-washing the so-treated fibrous material whereby mildew-proofed, water-repellent organic fibrous material is obtained.

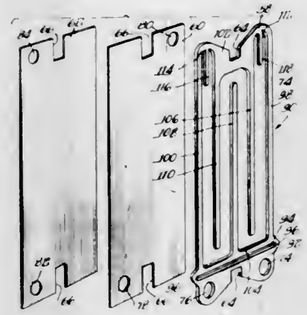
2,582,871

HEAT EXCHANGER

Edwin K. Kintner, Winnetka, Ill., assignor, by mesne assignments, to The Pfaudler Co., Rochester, N. Y., a corporation of New York

Application July 31, 1948, Serial No. 41,781
6 Claims. (Cl. 257—245)

6. A heat exchanger for exchanging heat between fluid media comprising a series of thin heat exchange plates each formed with ports for said fluid media, one-piece gaskets each separable from and interposed between an adjacent pair of said plates and means for releasably clamping together said series of plates with said gaskets therebetween, said gaskets each having an opening therethrough forming a channel overlying and communicating with said ports for directing the flow of one of said media over the surfaces of the pair of plates between which said gasket is interposed and having another opening therethrough for directing the flow of another of said media past said gasket and each of said gaskets having a slot extending through said gasket from one face to the other thereof between said gasket openings and extending across the width of said gasket channel out toward at least one edge of



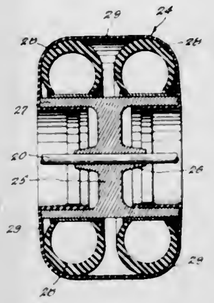
said gasket beyond the edges of said plates to receive leakage from either of said openings before it reaches the other gasket opening and conduct said leakage to the exterior of said exchanger, and finger-shaped portions having a thickness equal to the full thickness of said gasket and extending therefrom longitudinally of said channel over and beyond an adjacent port of an adjacent plate for supporting said plate in the vicinity of said port.

2,582,872

CLOD CRUSHING ROLLER

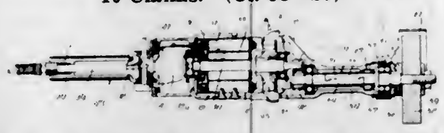
Charles H. Krengel, Twin Falls, Idaho

Application November 6, 1947, Serial No. 784,373
1 Claim. (Cl. 241—293)



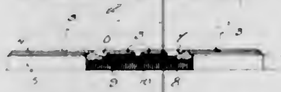
A crushing roller comprising a hub, a felloe carried by said hub, a pair of rims spacedly encircling said felloe, a pneumatic casing mounted on each of said rims, a band of sheet fabric constituting a tread encircled about said casings and having its opposite side edges trained over the outer sides of said casings and beneath the ends of said felloe, and means for securing the said underlying edge portions of said band against the inner side of the felloe.

2,582,873
FLEXIBLE SPINDLE FOR ROTARY POWER TOOLS
Gilbert B. Larson, Geneva, and James A. Perham, Aurora, Ill., assignors to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application April 28, 1947, Serial No. 744,394
10 Claims. (Cl. 64—27)



3. In a portable rotary, motor driven tool having a tool member for engagement with the work, a flexible, multipart, rotary spindle comprising a spindle section adapted to be drivingly connected with the tool member, a spindle section adapted to be operably connected with the motor, each of said spindle sections having an axially extending and substantially half-cylindrical portion and said half-cylindrical portions being disposed in overlapping but spaced relationship with their flat faces opposed to each other, a pad of compressible resilient material disposed between and in engagement with the opposed faces of said half-cylindrical portions, said pad being adapted to transmit driving torque from one spindle section to the other while permitting limited relative rotation therebetween and said pad also being adapted to absorb operational vibrations of the tool member, sleeve means disposed concentrically around said half-cylindrical portions for retaining the same in assembled overlapping relation, at least one of said half-cylindrical portions having a recess therein, and a rigid non-resilient locking element extending transversely of said half-cylindrical portions and coacting with said recess and the other of said half-cylindrical portions for preventing relative axial movement between said spindle sections when said half-cylindrical portions are in said assembled overlapping relation.

2,582,874
CRIBBAGE BOARD
Jacob H. Loeb, Milwaukee, Wis.
Application June 10, 1950, Serial No. 167,351
1 Claim. (Cl. 235—90)



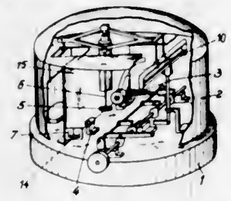
In a cribbage board formed of non-metallic material and having conventional longitudinally spaced parallel rows of peg-receiving pockets formed in its upper surface, the center row of pockets being interrupted centrally of its ends, counting pegs for selective insertion into said pockets, said pegs being formed of magnetic attractive substance, a pair of spaced parallel longitudinal storage grooves formed in the upper face of said board between said parallel rows of pockets and intermediate the central interrupted row of pockets for receiving said pegs when not in play, the bottom of said storage grooves being upwardly inclined at their ends to enable said pegs to be longitudinally slid out of said grooves without obstruction, and a permanently magnetized bar attached to the lower face of said board and aligned with said grooves to attract and hold said pegs within said storage space.

2,582,875
ALUMINUM CREEL
Fletcher M. McDonald, Portland, Oreg.
Application February 3, 1947, Serial No. 726,156
4 Claims. (Cl. 220—19)



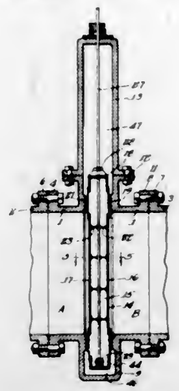
1. A fishing creel comprising a basket structure open at the top and made of woven light metal wire throughout, having a concave rear wall, a convex front wall, a flat bottom and a similarly woven flat lid adapted to cover said open top, the woven form of the walls and bottom providing warp and weft wires, the warp wires comprising a plurality of U-shaped frames each forming a bottom brace and upright front and rear ribs, said ribs terminating in hooked ends engaged around the uppermost weft wire at said top opening, the weft wires running in and out in horizontal layers around the basket between said ribs.

2,582,876
OPTICAL PROJECTING PRECISION BALANCE
Friedrich Meinig, Goettingen, Germany
Application April 13, 1950, Serial No. 155,615
In Germany August 18, 1949
14 Claims. (Cl. 88—24)



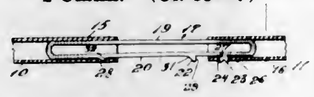
1. A precision balance comprising in combination, a base plate; a cover arranged on said base plate; an illuminating device arranged inside said cover and including a reflector, a light source arranged in said reflector, and a casing enclosing said reflector and said source, said casing having an aperture for the exit of the beams of rays emitted by said source; a member mounted on said base plate and carrying said illuminating device; a reading scale, said reflector being arranged for throwing light rays emitted by said source directly on said reading scale; a balance pointer arranged between said illuminating device and said reading scale, the tip of said pointer being rigidly connected to said reading scale; means for adjusting said member substantially parallel to the direction of said pointer; a matted glass-plate rigidly connected to said base plate; an objective supported by said member, said illuminating device, said balance pointer, said reading scale, said objective, and said matted glass-plate being arranged substantially in alignment in the order named; a heat filter arranged in front of said reflector between said light source and said reading scale; an exit pipe connected to said casing for withdrawing air heated by said source from said casing, said exit pipe extending through said cover to the atmosphere; and an inlet pipe for fresh air connected to said casing and extending through said base plate to the atmosphere.

2,582,877
VALVE CLOSURE
Lev A. Mekler, Chicago, Ill.
Application July 2, 1948, Serial No. 36,617
3 Claims. (Cl. 251—65)



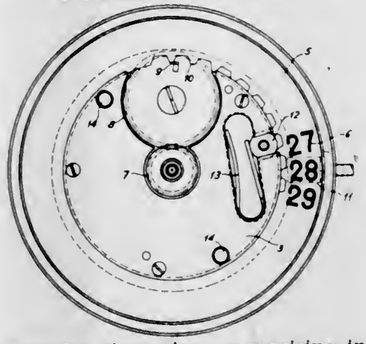
1. A valve comprising a rigid casing forming a valve body provided with opposed annular seats, and a generally hollow closure member adapted to be mounted in said casing and provided with flexible means adapted, in expanded position, to seal tightly against said seat, said closure comprising spaced, opposed generally circular, rigid plates connected together through articulated means whereby to permit limited relative movement between said plates, an annular rigid rim, and corrugated, flexible annular ring members connected at their inner peripheries to said rigid plates and at their outer peripheries to said rim in fluid-tight relationship, a hollow rod connected to said rigid rims to move the closure member into open or closed position as desired, means for introducing a fluid under pressure through said hollow rod and into said hollow closure member to cause said corrugated ring members to expand and seat tightly against said annular seats, and aperture means in the rims through which fluid from the interior of said closure member may pass into the space between the valve body and the closure to remove any deposits between the closure and the annular seats.

2,582,878
BRACELET
Alpha H. Metcalf, Plainville, Mass., assignor to L. S. Peterson Company, North Attleboro, Mass., a co-partnership
Application March 13, 1946, Serial No. 654,019
1 Claim. (Cl. 63—7)



A bracelet comprising two tubular sections hinged together at adjacent ends for the swinging of their free ends toward substantially abutting relation and away from each other, a tongue of a width equal to the width of the inside of the tubes with an open center providing spaced resilient arms connected at their ends, said tongue extending into the hollow free ends of said bracelet and slidably engaging the opposite side walls of the tubes and provided with three projections of the same piece of material as the tongue extending laterally from the same resilient arm and in generally the plane of both of said arms, the first of said projections being adjacent one end of the arm and in a wall opening of the first tubular section with abutments on its opposite sides to prevent dislodgment from the opening by pressure in either direction longitudinally of the tongue and of a length to prevent dislodgment by inward flexure of said arm from which it extends and a second projection spaced a substantial distance from the first projection toward the other end of the arm in a position to enter an opening in the second tubular section and being provided with an abutment on the side toward the first projection and an inclined edge on the other side to cause it to be moved inwardly and withdraw it from its wall opening upon pressure tending to move said tongue into said bracelet section but to engage the edge of the opening and limit separating movement of the section ends, and a third projection located between the first two projections and spaced from the first projection substantially the distance that said wall openings are spaced when the free ends of the sections abut and positioned to extend into the opening in the second section upon movement of the sections to closed position, said third projection being closer to the first projection than to the second and releasable from the opening in the second section by pressure on the first projection and said third projection having an abutment on the side near the first projection to engage the edge of the wall opening in the second section and hold the sections closed, and an inclined edge on the other side to cause it to be moved inwardly by engagement with the end of the second tubular section.

2,582,879
CALENDAR TIMEPIECE
Friedrich Meyer, Grenchen, Switzerland, assignor to Felsa S. A., Grenchen, Switzerland
Application July 21, 1948, Serial No. 39,977
In Switzerland February 18, 1948
5 Claims. (Cl. 58—58)



1. A calendar time piece, comprising in combination, a base disc; a dial disc located over said base disc and being of approximately the same diameter as said base disc, said dial disc being formed with an opening adjacent the periphery thereof; a spacer disc located between said base disc and dial disc for maintaining the latter at a desired distance from the former, said spacer disc being of a smaller diameter than said base and dial discs so as to provide an annular space about said spacer disc and between said base and dial discs, said annular space communicating with said opening in said dial disc and said spacer disc being formed with a cut-out in the peripheral portion thereof and opening onto the outer edge of said spacer disc; an annular gear located in said annular space and being mounted on said base disc for rotation about said spacer disc, said

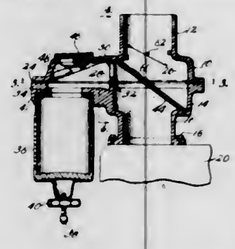
annular gear having indicia on one face thereof visible through said opening in said dial disc and said annular gear having internal teeth; a roller mounted in said cut-out of said spacer disc; and spring means located in said cut-out and bearing against said roller to urge the same into contact with the internal teeth of said annular gear so as to properly register the indicia on the same with said opening in said dial disc.

2,582,880

CLEANING ACCESSORY FOR RADIATOR SYSTEMS

Milos N. Mikulic, Jackson County, Mo.

Application November 14, 1949, Serial No. 126,941
1 Claim. (Cl. 210—165)



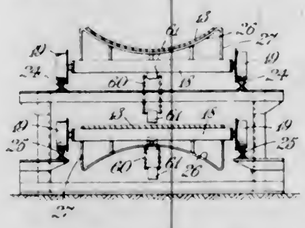
An accessory device for removing foreign matter from heating or cooling systems employing a liquid circulating medium, comprising means providing a screening chamber having a screening element positioned therein at an angle of less than ninety degrees to the main direction of the flow of the circulating medium through said chamber and also an overflow chamber communicating with said first chamber and provided with a discharge outlet for waste material and a similarly inclined screening element overlying said discharge outlet, said overflow chamber also having a closure-opening for the introduction of a chemical agent into said overflow chamber above the screening element therein.

2,582,881

CARRIER-TYPE ENDLESS CONVEYER

Frederick Gilbert Mitchell, London, England

Application July 6, 1950, Serial No. 172,288
In Great Britain July 8, 1949
6 Claims. (Cl. 198—184)



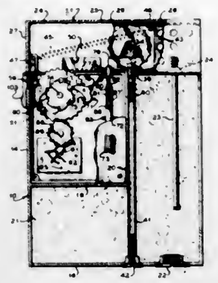
1. An endless conveyor of the carrier type comprising in combination an endless chain of wheeled carriages articulated to one another and arranged to travel on a track having upper and lower runs, an endless flexible belt adapted to provide the actual carrier surface for the material being conveyed and, for the greater part of its length, to be supported by and to travel with the carriage chain, guides at each end of the conveyor for turning the carriage chain from forward to return run and vice versa without lateral deflection, and means at each end of the conveyor for guiding the flexible belt by lateral deflection into and out of the gap between the upper and lower runs of the carriage chain.

2,582,882

AUTOMATIC CIGARETTE LIGHTER

Wharton E. Moller, Los Fresnos, Tex.

Application May 6, 1948, Serial No. 25,402
10 Claims. (Cl. 67—7.1)



9. In an automatic pyrophoric lighter having striking means actuated by a sliding cover, spring actuated means for moving the cover to actuate the striking means, means for returning the cover to its initial position, said means including a rack attached to said cover, a segmental gear for engagement with said rack, and a spring motor mechanich for driving said segmental gear.

2,582,883

MODIFIED DOUBLE SOLVENT TREATMENT

Harold C. Myers, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application August 27, 1947, Serial No. 770,951
10 Claims. (Cl. 196—14.20)

1. In the treatment of a mixture of paraffinic and non-paraffinic hydrocarbons contaminated with asphaltic materials which comprises contacting a charge stock containing paraffinic hydrocarbons, non-paraffinic hydrocarbons and asphaltic material with two substantially mutually immiscible solvents comprising a solvent for paraffinic hydrocarbons and a solvent for non-paraffinic hydrocarbons and separating a raffinate fraction more paraffinic than said charge stock from an extract fraction more non-paraffinic than said charge stock, the improvement which comprises employing a solvent for non-paraffinic hydrocarbons consisting essentially of phenol and cresols and at least 1.5 weight per cent added water and a solvent for paraffinic hydrocarbons consisting essentially of propane and about 1 to about 20 per cent of an organic carbonate.

2,582,884

COOKING RANGE HOOD

Herbert E. Nicol, Milwaukee, Wis.

Application September 30, 1949, Serial No. 118,750
2 Claims. (Cl. 126—299)

1. An apparatus of the character described comprising, a hood for support above a cooking range in close proximity to its burners and comprising a transparent visor pivotally connected to said hood to form a lower front portion of the same, the front of said visor being arcuate in cross section, a deflector plate mounted in said hood forming a compartment for reception of the arcuate front of said transparent visor and serving to protect said visor against concentrated columns of heated air when said visor is swung



to raised position, and means for venting said hood to outside atmosphere.

2,582,885

METHOD OF REMOVING FREE OXYGEN OR FREE HYDROGEN FROM A GASEOUS MEDIUM

Edgar F. Rosenblatt, East Orange, N. J., assignor to Baker & Co., Inc., Newark, N. J., a corporation of New Jersey

No Drawing. Application August 23, 1948, Serial No. 45,780
4 Claims. (Cl. 23—2)

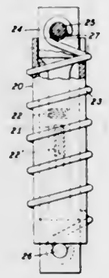
1. The method of removing free oxygen or free hydrogen from a gaseous medium, comprising passing a gaseous medium containing free oxygen and free hydrogen over a catalyst of palladium deposited on a dehydrated oxide taken from the group consisting of aluminum oxide and zirconium dioxide and combining the said oxygen and hydrogen at normal atmospheric temperature, continuing the combination of said oxygen and hydrogen over said catalyst in a flameless combustion until at least one of said gases oxygen and hydrogen is substantially eliminated.

2,582,886

DIFFERENTIAL LOAD WEIGHING DEVICE

Arthur C. Ruge, Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania

Application March 13, 1948, Serial No. 14,677
7 Claims. (Cl. 73—141)



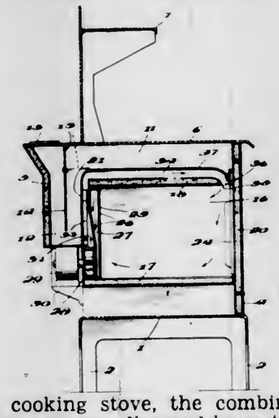
1. A load weighing device adapted to measure the differential between a total load applied to the device and a predetermined initial part of said total load comprising, in combination, an elastically yieldable helical spring member adapted to support substantially all of any load applied to the device up to said predetermined part load, means for transmitting such applied load to said member, strain sensitive means responsive elastically to loads imposed upon it, said helical spring member being disposed about the strain sensitive means, means for transmitting to said strain sensitive means a portion of the load applied to the device when the total load is in excess of said predetermined part load, both of said load transmitting means being adapted to cause the total load to be carried jointly by said member and said strain sensitive means when said excess load is present, and electrical means responsive to the elastic strain of said strain sensitive means so as to serve as a measure of the magnitude of the differential load.

2,582,887

COOKING STOVE

Hugh W. Sanford and William P. Biddle, Jr., Knoxville, Tenn.; said Biddle, Jr., assignor to said Sanford

Original application March 17, 1942, Serial No. 435,088. Divided and this application February 14, 1947, Serial No. 728,410
8 Claims. (Cl. 126—1)



3. In a cooking stove, the combination of a cooking top, an oven disposed beneath the cooking top and spaced therefrom, a fire box disposed beside the oven, a top flue having an outlet and being in open communication with the fire box, said flue extending only transversely of the oven and at a level above the top of the oven, whereby the hot gases in said flue reach the flue outlet without having passed beneath the bottom of the oven, said oven having an intake port and an oppositely disposed discharge port, power means for circulating air repeatedly through the oven and through the intake and discharge ports, whereby the said air passes over the top of the oven underneath the bottom wall of the said top flue and above the top wall of the oven, and insulation in the top wall of the oven, whereby the radiant heat from the flue gases which reaches the air passing over the top of the oven will not be radiated appreciably into the oven and the circulating air heats articles cooking in the oven primarily by convection rather than by radiation.

2,582,888

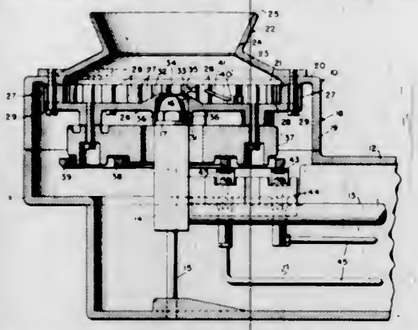
OIL BURNER

Reinhold D. Schoenwetter, Rosslyn, Va., assignor, by mesne assignments, to Jesse Donella, Long Island City, N. Y.

Application January 29, 1947, Serial No. 725,140
4 Claims. (Cl. 158—28)

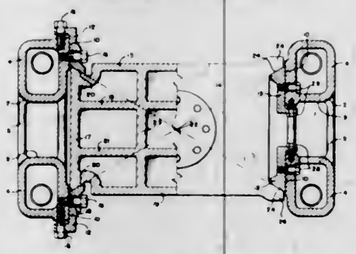
1. In an oil burner including a hollow head having a top wall provided with a circular open-

ing, means for introducing air under pressure into the head and an oil atomizing nozzle positioned in the head to discharge oil upwardly thru the center of said opening; a flame shaping means comprising in combination, a vertically positioned circular flue wall upon said top wall coaxial with said opening, said flue wall having a lower frusto-conical portion of gradually decreasing diameter thru a part of its vertical length and an upper inverted frusto-conical portion of gradually increasing diameter thru the remainder of its length, and a horizontal plate in the head below the flue wall, said plate having



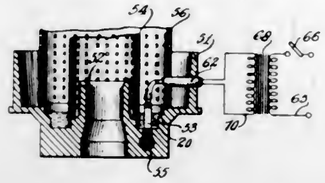
a central aperture thru which said nozzle is directed, said plate having spaced elements around the periphery thereof and bridging the space between the plate and the underside of said top wall for directing the air in streams inwardly across the top surface of the plate toward the center of the head, the plate further having an inclined top surface portion around said aperture for deflecting the air streams upwardly toward the inner surface of said upper portion of the flue, and said plate having its top surface plane from the periphery thereof to said inclined surface portion.

2,582,889
GUIDING MEANS FOR HEATED PRESS PLATEN
Robert K. Sedgwick, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 25, 1946, Serial No. 664,955
8 Claims. (Cl. 18—17)



6. In a press, a housing including spaced members defining a platen opening, a platen between said members, means to guide said platen for reciprocative movement along said members, consisting of a pair of guide engaging surfaces on each end of the platen, and a pair of gibs on each of said members and having faces in complementary flat face engagement with a pair of said guide engaging surfaces, said guide engaging surfaces and faces being disposed in diagonal planes intersecting in a line centrally of said platen, whereby expansion and contraction of said platen resulting from changes of temperature takes place substantially along said planes defining said faces and surfaces, each pair of gibs being disposed between its related pair of guide engaging surfaces.

2,582,890
VAPORIZING TYPE OIL BURNER AND IGNITION MEANS
Benjamin I. J. Stamm, New York, N. Y.
Application December 19, 1947, Serial No. 792,638
5 Claims. (Cl. 158—90)

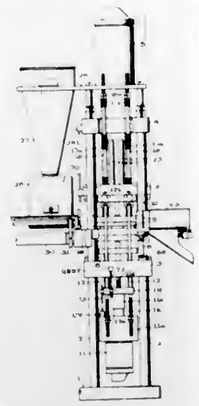


1. An oil burner of the vaporizing type, comprising, in combination, an oil bowl adapted to contain a body of oil for burner operation and constituting a combustion chamber, means for supplying oil to said bowl, means for maintaining oil in said bowl at a normal level, means for supplying air to the bowl, a conduit mounted in said bowl and forming a restricted passageway leading from a point at least within heating distance of the surface of the oil at its normal level in the oil bowl, said conduit being open at both ends but imperforate throughout its length, an electrical resistance element extending through said conduit having a part projecting from the conduit in heat transfer relation to the oil and another part extending from said conduit into said combustion chamber, and means for energizing said element whereby oil is vaporized by said projecting part, the vapor so formed is heated by a part of the element within the conduit, and said vapor is further heated and ignited by a part of the element extending into the combustion chamber where is comes into contact with combustion supporting air, the passageway having a cross-sectional dimension larger than said element to permit oil vapor to rise therethrough, but small enough to prevent support of flame therein.

2,582,891
AUTOMATIC MOLDING PRESS
William Strauss, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, a corporation of Pennsylvania
Application December 8, 1949, Serial No. 131,757
21 Claims. (Cl. 18—16)

1. In a molding press of the combination of a die plate provided with die cavities, a force plate provided with forces which retain molded articles thereon when the press is opened, each force being provided with a knock-out pin, a plate mounted at one side of said press and being movable into said press to cover said die cavities, means timed with the operation of said press for moving said plate into said press after said press opens, means timed with the movement of said plate for operating said knock-out pins to eject the molded articles from said forces after said plate is in covering position, a stripper comb mounted outside of said press and being movable into said press in stripping relation with respect to said knock-out pins, means for moving said comb into stripping position after said knock-out pins have been operated, means timed

with the operation of said comb for withdrawing said knock-out pins after said comb reaches



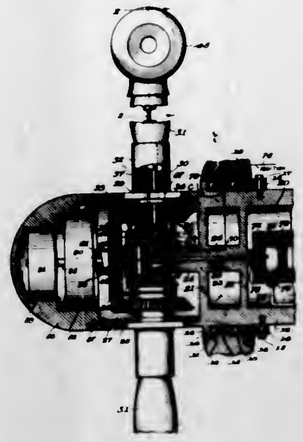
stripping position, and means for thereafter moving said plate out of said press.

2,582,892
RAFTER CUTTING AND POSITIONING JIG
Evo J. Tarperi, Iron Mountain, Mich.
Application November 17, 1950, Serial No. 196,253
2 Claims. (Cl. 33—94)

1. A work layout jig for correctly locating jack rafters in relation to a hip rafter comprising an adapter removably applicable to a jack rafter; said adapter embodying a pair of L-shaped members and means adjustably interconnecting said members in spaced parallelism, and a pair of T-squares slidably and pivotally mounted on the short limbs of said L-shaped members.

2,582,893
JET-DRIVEN VARIABLE PITCH PROPELLER
Jasper U. Teague, Ferguson Park, Newport News, Va.
Application February 10, 1947, Serial No. 727,713
2 Claims. (Cl. 170—135.4)

1. In combination, an aircraft having a propeller shaft, a hollow hub mounted on said shaft, variable pitch propeller blades rotatably mounted on said hub about the longitudinal axis of said blades, ram jet reaction motor units rotatably mounted on the ends of said blades for angular displacement about an axis perpendicular to the longitudinal axis of the reaction motor units, a pair of control motors mounted in the hub with the motor shafts thereof coaxial with the propeller shaft, means drivingly connecting one of said motor shafts to the propeller blades to rotate the same in different directions of adjustment, and means drivingly connecting the other of said motor shafts to the ram jet reaction motor



units to turn said units in opposite directions independently of the propeller blades.

2,582,894
WIRELESS BEACON SYSTEM
Frederic Calland Williams, Timperley, and Norman F. Moody, Cuffley, England
Application August 5, 1947, Serial No. 766,428
In Great Britain July 26, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires July 26, 1965
8 Claims. (Cl. 343—107)

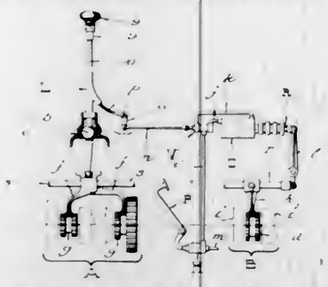


1. A wireless beacon comprising an omnidirectional transmitter arranged to transmit continuously, two directional transmitters each having a figure-of-eight horizontal polar diagram of which the maximum directions are substantially perpendicular, switching means for energizing said directional transmitters separately and repeatedly in cyclic manner, said switching means being so timed that the periods of superposed directional and omnidirectional transmission are of substantially equal time duration and are interspaced by similar periods of omnidirection transmission alone.

2,582,895
DUAL TRANSMISSION CONTROL
Casanave Young, Milwaukee, Wis., assignor to Ernest R. Sternberg, Wauwatosa, Wis., executor of the estate of Ernest M. Sternberg
Application October 19, 1949, Serial No. 122,174
5 Claims. (Cl. 74—745)

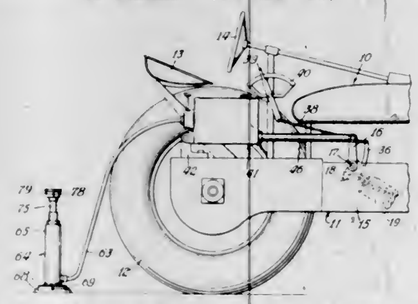
1. In a dual transmission system including variable speed main and auxiliary transmissions and a manually operative tubular shaft for selective control of the main transmission; a control for said auxiliary transmission, a portion of said control extending through said lever, a hand knob reciprocatively and rotatably mounted on the upper end of said lever for operative engagement with said control, resilient means for

urging said knob to inoperative position disengaged from said control and freely rotatable, and



tensional means for releasably latching said control in selective operative positions.

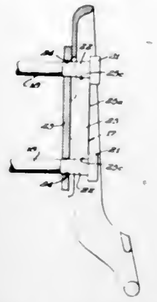
2,582,896
HYDRAULIC LIFT
Russel D. Acton, Chicago, Ill.
Application December 6, 1945, Serial No. 633,127
23 Claims. (Cl. 254—93)



1. In a tractor having an operator's station and a power-lift device, an oscillating arm actuated by said power-lift device, manual control means for said power-lift device operative to preselect any one of a number of predetermined positions of said oscillating arm, said manual control means being positioned within reach of said operator's station, the combination therewith of a housing connected to said tractor, a fluid reservoir contained within said housing, a cylinder formed in said housing, a piston positioned for reciprocation within said cylinder, means connecting said piston to said oscillatory arm, a chamber formed in said housing and having an opening in communication with said fluid reservior and a second opening in communication with said cylinder, a valve positioned to open said first opening upon the suction stroke of said piston, a fluid actuated jack remotely positioned from said tractor, a fluid conduit means communicating with said jack and said chamber, a second valve positioned in said housing, said valve being adapted to open said fluid conduit upon the pressure stroke of said piston, and means for returning fluid from said jack to said reservoir, said means including a needle valve.

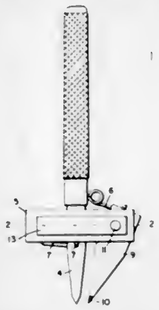
2,582,897
SAFETY ANCHOR SPACER PLATE OR BAR
Wallace L. Anderson, Chicago, Ill., assignor to Harrison-Weise Company, Chicago, Ill., a corporation of Illinois
Application January 6, 1949, Serial No. 69,455
1 Claim. (Cl. 20—72)

In a window washer safety anchor having a pair of elongated bolts for retention within a window frame with the heads and portions of the shanks of said bolts extending therebeyond for engagement by a safety strap terminal, a separate flat spacer plate having apertures receiving and in tightly fitting relationship with the extended bolt shank portions at points spaced from



the bolt heads and a rib integral with and normal to said plate and having end portions in conforming contact with said shank portions and said bolt heads to reinforce the same and to prevent the engagement of only one of said bolts by said terminal.

2,582,898
SPACING PUNCH
Nathaniel Baldwin, Salt Lake City, Utah
Application March 7, 1949, Serial No. 80,043
1 Claim. (Cl. 33—189)

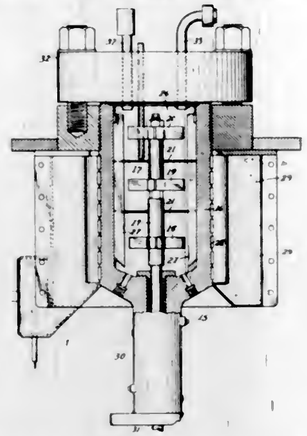


A spacing punch combination comprising a punch, a bar slidably mounted on said punch, a blade adjustably mounted on said bar, a point on said blade to engage one punch mark, said punch being adapted to slide a short distance through said bar when making a new punch mark, a spring mounted in said punch and adapted to urge said bar downward, and a gravity operated stop having a double setting to limit the position of said bar on said punch.

2,582,899
AUTOCLAVE REACTOR
Herbert L. Barnebey, Richland Township, Allegheny County, and James R. Shields, Pittsburgh, Pa., assignors to Blaw-Knox Company, Blawnox, Pa., a corporation of New Jersey
Application December 14, 1946, Serial No. 716,412
2 Claims. (Cl. 23—290)

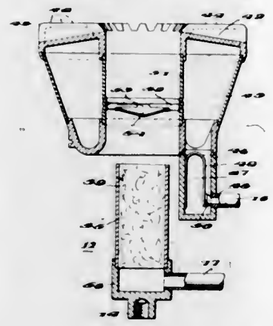
1. A continuous reactor for subjecting fluid material to treatment under heat and pressure comprising a vessel with an elongated generally cylindrical chamber therein, an agitator shaft extending coaxially through the chamber, the shaft ex-

tending outside the chamber and being provided with means for driving the same, a plurality of transverse partitions in the chamber open at their centers around the agitating shaft dividing the chamber into a lineal series of compartments in open communication with one another, a turbine type agitator on the shaft in each of the several compartments and located about midway between the partitions having radial paddle-like vanes thereon, and vertical baffles in each of the compartments projecting radially toward the center to prevent swirling of the fluids being agi-



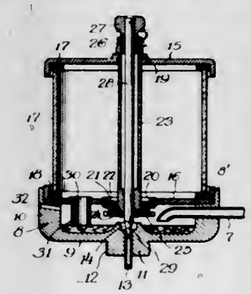
tated designed to produce in each compartment upon rotation of the agitator a cyclical flow of fluid from the periphery of the agitator to the peripheral wall of the chamber, thence lengthwise of the chamber in each direction along the walls of the compartment, and thence radially inwardly adjacent said partitions toward the shaft, means for introducing a fluid material into the endmost compartment at one end of the chamber and means for removing a reacted fluid from the endmost compartment at the opposite end of the chamber.

2,582,900
ALCOHOL HEATER FOR REFRIGERATOR CARS
Louis Allan Benedict and William J. Klauer, Dubuque, Iowa, assignors to Klauer Manufacturing Company, Dubuque, Iowa, a corporation of Iowa
Application May 10, 1946, Serial No. 668,829
3 Claims. (Cl. 158—82)



1. In a heater, a main burner comprising an annular hollow main burner element having a series of burner ports in its upper surface, said burner having wall means defining an inner annular space of said burner element which functions as a vapor circulating chamber, wall means forming a vaporizing chamber connecting with the lower portion of said circulating chamber, means for supplying said vaporizing chamber with a liquid vaporizable fuel, and a pilot burner disposed beneath said annular element and adjacent said vaporizing chamber to heat the same to vaporize liquid fuel therein, said pilot burner being also disposed so that flame therefrom passes upwardly through the central opening formed by said annular burner element to ignite the vapor emerging from said series of burner ports, means for supplying liquid fuel to said pilot burner, and thermostatic valve means disposed in said vaporizing chamber to cut off the fuel supply to the vaporizing chamber until the same has been heated by the pilot burner to a predetermined temperature.

2,582,901
LUBRICATING DEVICE
Collin M. Doyle, Chicago, Ill., assignor to Walter J. Podbielniak and Wladzia Podbielniak
Application July 1, 1949, Serial No. 102,604
9 Claims. (Cl. 184—55)

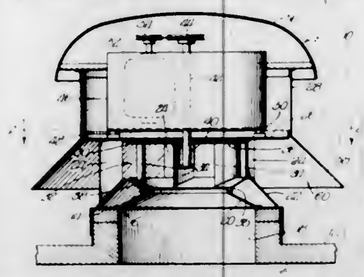


9. A lubricator assembly for lubricating a bearing on a rotating shaft, said lubricator comprising an upper portion constituting a reservoir and a lower portion into which oil is fed from said reservoir to a predetermined level, a passageway leading from said lower portion to said bearing, the top of said passageway being positioned above the oil level in said lower portion, a hollow pipe leading from the proximity of the shaft to a point just above the oil in said lower portion, a plurality of vanes mounted on said shaft, and an air vent leading from the atmosphere to the orbit of travel of said vanes, whereby rotation of said shaft causes a flow of air through said hollow pipe which blows oil from said lower portion into said passageway from which said oil drips on said bearing.

2,582,902
POWER-OPERATED VENTILATOR
Fred H. Gohl, Chicago, Ill., assignor to Chicago Blower Corporation, Chicago, Ill., a corporation of Illinois
Application November 10, 1950, Serial No. 195,094
3 Claims. (Cl. 98—43)

1. A power operated ventilator comprising a fan housing having an axially disposed inlet and an annular discharge outlet, a multi-bladed power driven fan rotatably disposed in said housing, with its axis of rotation substantially coincident with the axis of said inlet, the annular discharge outlet being disposed in substantial alignment with the outer edge of the blades of said fan, a collar member forming a part of said housing substantially in the form of a trun-

cated cone having the edge of lesser diameter disposed in close association with the lower edge of said blades, a plurality of upstanding air baffle plates disposed on said collar member in close association with said blades but in angularly opposed relation thereto, a substantially cylindrical portion of said housing having the upper ends of said air baffle plates secured thereto being disposed immediately above and in ax-



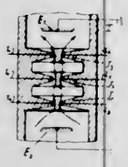
ial alignment with said fan, the base of said cylindrical portion having a centrally disposed opening therein in substantial alignment with said fan, a second collar member in the form of a truncated cone having its edge of lesser diameter secured to the lower edge of said cylindrical portion of said housing, said collar members being disposed in substantially parallel relation so as to form an annular passage in communication with said annular discharge outlet.

2,582,903

DEVICE FOR PRODUCING CHEMICAL REACTIONS IN A FLOWING GAS BY ELECTRICAL MEANS

Gustav Guanella, Zurich, and Otto Albert Lardelli, Baden, Switzerland, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland

Application August 8, 1947, Serial No. 767,540
In Switzerland August 19, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires August 19, 1961
2 Claims. (Cl. 204—312)



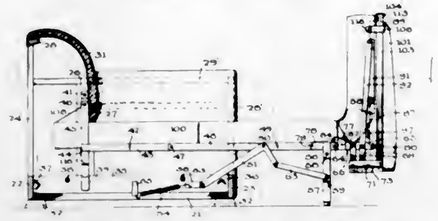
1. Apparatus for producing chemical reactions in a flowing gas by high frequency electrical discharges; said apparatus comprising insulator means having a bore of approximately Venturi form therethrough providing a reaction chamber, gas inlet and outlet means at opposite ends of said bore for establishing a stream of gas through said reaction chamber, and electrode means operative when energized by a source of high frequency energy to establish a luminous discharge within said bore and spaced from said electrode means; said electrode means comprising electrodes spaced axially form the ends of said insulator bore with opposed surfaces extending transversely of the axis of said bore and of a cross-sectional area in excess of the cross-section of said bore, and auxiliary electrodes mounted in said insulator means and located transversely of the minimum cross-section of said bore.

2,582,904

FOLDING SPRING UNIT FOR SOFA BEDS

Melvin H. Harman, High Point, N. C., assignor to G. Jay Williard, High Point, N. C.

Application February 10, 1949, Serial No. 75,605
17 Claims. (Cl. 5—29)



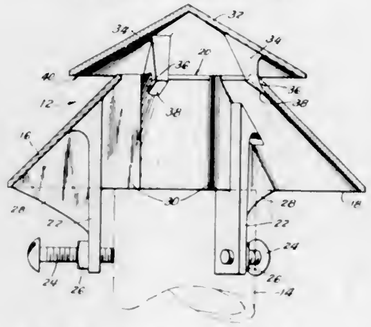
11. A folding spring for a sofa bed comprising a base frame, a rear bed spring section supported on said frame to swing between a seat position vertically disposed behind the sofa back and a horizontal bed position, an intermediate bed spring section pivotally connected to said rear section and supported on said frame to swing between a seat position horizontally disposed below the sofa seat and a bed position forwardly disposed and co-planar with said rear section, a short connecting bed spring section pivotally connected to the forward end of said intermediate section to fold between a seat position substantially normal to the plane of said intermediate section and a bed position co-planar with said intermediate section, a front bed spring section pivoted to said connecting section to fold between a seat position substantially normal to said connecting section and a bed position coplanar with said connecting section, a seat spring frame slidably coupled to said front section, and means connected between said connecting section and said seat spring frame for moving said seat spring frame by folding said front section relative to said connecting section.

2,582,905

SPARK ARRESTER AND PROTECTOR FOR EXHAUST PIPES

Cline Harry Harmon, Waterloo, Iowa, assignor to Waterloo Foundry Company, Waterloo, Iowa, a copartnership

Application October 24, 1947, Serial No. 781,859
2 Claims. (Cl. 98—83)



1. In a spark arrester, a hollow truncated cone shape member having an axial passage therethrough, a plurality of supporting legs secured to the inner surface of and extending substantially axially out of the large end of said truncated member, said supporting legs being adapted for positioning around the outer periphery of the end of an exhaust pipe for securing the device

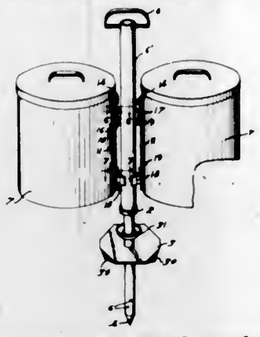
thereto, a plurality of radially and axially extending vanes secured to the inner surface of said truncated member, said vanes extending a substantial distance radially inwardly of said legs, and a hollow cone shape member secured to and having its concave side directed toward the small end of said truncated member, there being a transverse opening between said members.

2,582,906

GARBAGE CAN RACK

Russell C. Heidenbrand, New Iberia, La.

Application September 19, 1946, Serial No. 698,039
5 Claims. (Cl. 211—71)



5. In combination, a vertical standard, an elongated sleeve rotatably mounted on the standard, a pair of mounted brackets secured at diametrically opposed positions to the sleeve, a pair of receptacles each having a bracket secured thereto that is complementary to one of the brackets on the sleeve and detachably engaging the same, each of said receptacles also having an arcuate member secured thereto that partially embraces and bears against the sleeve at a position below the first mentioned brackets, said arcuate members engaging diametrically opposed positions of the sleeve.

2,582,907

EAR PROTECTOR

Karl Kaufmann, Hofstatt Bei Neulengbach, Austria, assignor of one-fourth to Carl Holub, Cincinnati, Ohio

Application February 12, 1948, Serial No. 7,975
In Austria January 28, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 28, 1966
1 Claim. (Cl. 2—209)



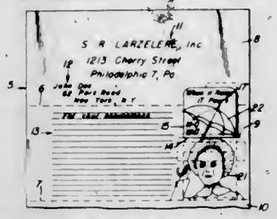
A pocket-like ear protector, comprising an outside wall adapted to cover the conch of an ear at the front side thereof in the wearing position of the ear protector and an inside wall for covering the rear side of said conch, said inside wall being in the form of an essentially rigid flat plate having an uninterrupted outer edge, a marginal portion of said outside wall being secured to said inside wall along said uninterrupted outer edge of the latter, and said inside wall having an inner edge shaped substantially in the form of an oval whose long axis is of a length which is substantially smaller than the heighth of the ear conch and approximately equal to the width of said conch which necessitates placing the ear protector upon the upper portion of the ear conch in a position approximately at right angles to the wearing position, said oval substantially fitting the ear root when the ear protector is turned from said first named position into its wearing position.

2,582,908

ADVERTISING FOLDER

Samuel R. Larzelere, Philadelphia, Pa.

Application April 28, 1950, Serial No. 158,765
4 Claims. (Cl. 40—126)



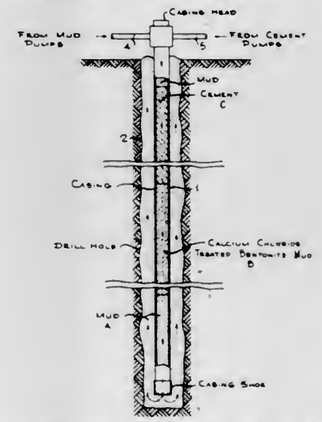
1. An advertising folder comprising a sheet adapted to be folded on a horizontal fold line to provide an upper portion and a lower portion, the lower portion being provided with a single horizontal slit in spaced relation to said fold line, and a display device comprising a strip folded transversely intermediate its ends and having one end extended forwardly through said slit and provided on its front face with display matter, the other end of said strip being attached to the back of the upper portion so that when the sheet is unfolded said one end of the strip is projected to a position in front of said upper portion of the sheet to reveal said display matter, and when the sheet is folded said one end of the strip is retracted with its major portion positioned behind said lower portion of the sheet.

2,582,909

PREPARATION AND USE OF FLUID PLUGS IN OIL WELL CEMENTING

Lawton L. Laurence, Kansas City, Mo., assignor to Standard Oil Development Company, a corporation of Delaware

Application September 6, 1947, Serial No. 772,487
1 Claim. (Cl. 166—22)



In a process for the cementing of areas in a cased oil well in the presence of a bentonite type drilling mud wherein a quantity of cement is cir-

culated down through the casing to a selected area and circulation is stopped until the cement has set, the improvement which comprises circulating to said selected area immediately ahead of said quantity of cement a quantity of an inhibited bentonite drilling mud prepared by dispersing, in an aqueous solution containing from about 0.05 to about 0.5% of a soluble ionizable salt of a metal of Group II of the periodic table, sufficient bentonite to form a 5 to 6.3% slurry.

2,582,910
SHOE
George Albert Lyon, Detroit, Mich.
Application April 27, 1951, Serial No. 223,415
8 Claims. (Cl. 36—2.5)



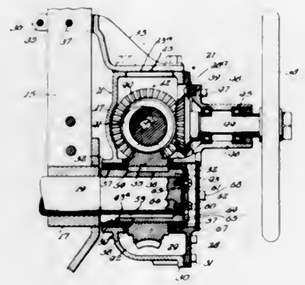
1. As an article of manufacture a shoe made of thin gauge resilient material comprising two substantially duplicate but oppositely opening shell-like halves and joined together to form the toe, sole, back and wall portions of the shoe with the back portion elevated above the sole portion and being supported solely by the wall of the shoe in raised position spaced upwardly from the ground contacting area of the sole portion and out of direct contact with the ground.

2,582,911
PREPARATION OF ACRYLIC ESTERS
Harry T. Neher, Bristol, Edward H. Specht, Philadelphia, and Andrew Neuman, North Hills, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 12, 1950, Serial No. 173,482
24 Claims. (Cl. 260—486)

1. A process for preparing an acrylic ester, $ROOCCH{=}CH_2$, which comprises first mixing together and reacting at a temperature between 0° and 75° C. acetylene, nickel carbonyl, acid, and an alcohol, ROH, and while the reaction of these materials is occurring, adding to this reacting mixture acetylene, carbon monoxide, nickel carbonyl, acid, and alcohol, ROH, and reacting these together between 0° and 75° C., the carbon monoxide supplying 20% up to 85% of the total CO from both said monoxide and nickel carbonyl, and the acid being added in an amount from 50% to 110% of that required to form a nickelous salt of the acid, R being an alkyl group.

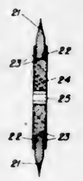
2,582,912
TILTING MECHANISM FOR FOUNDRY LADLES AND THE LIKE
Anthus D. Oldham, Harvey, and Frank J. Sabla, South Holland, Ill., assignors to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application June 8, 1945, Serial No. 598,338
4 Claims. (Cl. 22—82)

1. A detachable unit designed for use in tilting a foundry ladle of the type that comprises a bail with a depending bearing equipped leg and a tiltable pot with a trunnion journalled in the bearing and having the outer end thereof projecting beyond the bearing, said unit being adapted when in use to be positioned outwards of the bearing equipped leg of the bail, and embodying a housing provided with means for detachably connecting it to the bail, having a circular over-sized hole in the inner side wall thereof for reception of the projecting outer end of the trunnion, provided with a bearing in the hole and an internally disposed bearing in axial alignment and spaced relation with the last mentioned bearing, and adapted to retain lubricant, and gearing mounted in the housing and including a rotatable sleeve-like element having the ends thereof journalled in the last two men-



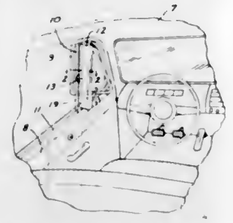
tioned bearings and its interior out of communication with the housing interior and shaped slidably to receive said projecting outer end of the trunnion, adapted in connection with attachment of the housing to the bail to slide onto the projecting outer end of the trunnion and in connection with detachment of the housing from said bail to slide out of engagement with said projecting outer end of the trunnion, provided with a releasable trunnion driving connection in the form of a plate type member having a bolt for connecting it to the outer end of the trunnion and interlocking means between it and one end of the sleeve, and adapted to seal the housing against leakage of the lubricant through the hole when the housing is detached from the bail.

2,582,913
SAFETY RAZOR BLADE
Jack I. Pfefferle, Baltimore, Md.
Application October 21, 1948, Serial No. 55,721
1 Claim. (Cl. 30—349)



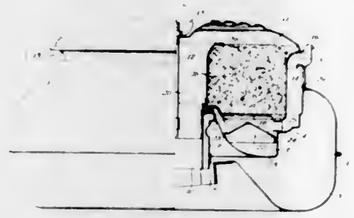
A blade of the type described, comprising a one-piece, flexible, flat, non-metallic holding plate having openings therethrough to fit a razor-blade holder, said plate having grooves along opposite marginal edges thereof provided within the thickness of the plate, each groove being bounded by two opposite, flexible, marginal walls of the plate, a cutting strip of thin material fitting in each of said grooves, and means for locking said strips in the grooves, said means comprising a projection carried by one of each of the opposite marginal walls and a cooperating indentation on the associated strip, whereby the strips may be selectively snapped in and out of the grooves.

2,582,914
VEHICLE VENTILATING DEVICE
John Kenneth Reed, Charlevoix, Mich.
Application December 11, 1950, Serial No. 200,241
5 Claims. (Cl. 296—44)



1. A device of the character described for use with a vehicle body having a ventilator window pivoted on a vertical axis and a mullion in back thereof, comprising a sheet of transparent material of substantially the same length as said mullion, said sheet of material being substantially flat throughout its length and width except for a slight radius formed adjacent the leading edge thereof, said sheet being directed toward the front of the vehicle and means for attaching said sheet of plastic material to said mullion.

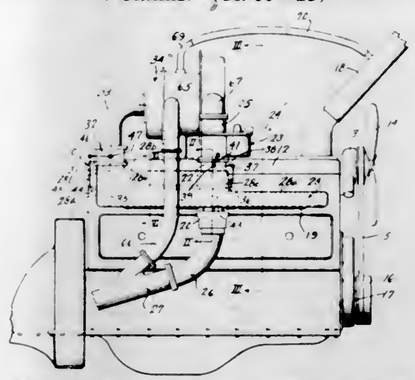
2,582,915
FILTER UNIT
Joseph B. Sebok, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 20, 1948, Serial No. 16,078
1 Claim. (Cl. 183—15)



In a filter unit for automotive type air cleaners including a metallic shell having concentric inner and outer side wall portions and an integral bottom portion extending therebetween, radially disposed ribs formed in said bottom portion defining relatively large openings therebetween, a screen of relatively small mesh initially loosely disposed on said radial ribs and being substantially coextensive with said bottom portion, and a filter element disposed in said shell on said screen, said filter element comprising a mass of hog hair in its natural length and shape, the filaments of said mass being bonded to each other, to said shell and to said screen by a set plastic bonding agent, the density of said filter mass being thereby maintained uniform throughout the confines of said filter unit.

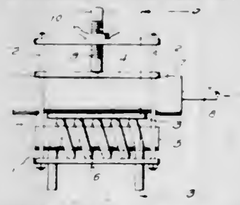
561 O. G. -59

2,582,916
SUPERCHARGING AND FUEL HEATING SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Alex Taub, Washington, D. C., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 31, 1947, Serial No. 725,613
7 Claims. (Cl. 60—13)



1. A fuel system for an internal combustion engine comprising an exhaust manifold, an intake manifold, a heater box surrounding a portion of the intake manifold and communicating with the exhaust manifold, a supercharger having a turbine wheel and an impeller driven thereby, means connecting the exhaust manifold with the turbine wheel to drive the wheel with exhaust gases, a fuel and air mixing device receiving air from the supercharger and discharging into the intake manifold, a throttle controlling said discharge into the intake manifold, a valve for controlling flow of exhaust gases from the exhaust manifold to the heater box, and means for linking the throttle and valve for comovement with the valve being closed when said throttle is fully opened and the valve being opened when said throttle is fully closed, whereby exhaust gases are selectively diverted to said supercharger and to said heater box in accordance with the throttle setting of said engine.

2,582,917
THROTTLING DEVICE
Fridtjof Aagaard, Rahway, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application April 8, 1947, Serial No. 740,061
4 Claims. (Cl. 251—5)



4. A throttling device for fluid flow comprising in combination a multi-turn helix of flexible tubing around a rigid mandril through which the fluid to be throttled flows, guides at right angles to the axis of the mandril, a rigid plate fastened to one end of the guides and in contact with the helix, a second plate in contact with the helix on the side opposite the rigid plate and

movable at right angles to the mandril axis and means for moving said movable plate to vary the spacing between rigid plate and movable plate, whereby each turn of the helix is compressed at a plurality of points.

2,582,918

DEHYDROISOANDROSTERYL MERCAPTAN AND PROCESS

Seymour Bernstein and Karl J. Sax, Pearl River, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 8, 1949, Serial No. 131,936
3 Claims. (Cl. 260—397.3)

1. Dehydroisoandrosteryl mercaptan.

2,582,919

COLORING GLASS FIBERS

Lawrence P. Biefeld, Newark, N. J., assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

No Drawing. Application August 28, 1946, Serial No. 693,582
7 Claims. (Cl. 41—42)

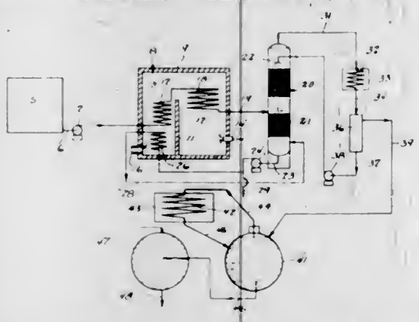
1. The method of coloring glass fibers comprising subjecting glass fibers constituted with siliceous and non-siliceous materials to reaction with dilute acid solutions that preferentially dissolve the non-siliceous component until solution of less than 25 percent by weight of the glass fibers has been effected, removing the solution and dissolved substances to present glass fibers having highly porous surfaces, and then treating the fibers to embed colored particles within the pores.

2,582,920

HIGH PURITY DICYCLOPENTADIENE

Roger T. Businger, Pittsburgh, Pa., and Howard L. Gerhart, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application November 7, 1947, Serial No. 784,636
9 Claims. (Cl. 260—666)



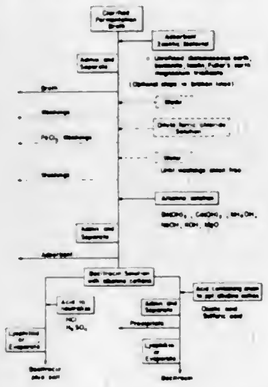
1. A process of obtaining substantially pure dicyclopentadiene from a stock comprising dicyclopentadiene and impurities at least one of which is of a class consisting of styrene, coumarone and indene which process comprises continuously feeding liquid stock forwardly through an elongated tube heated to a temperature substantially above the cracking point of dicyclopentadiene in order quickly to vaporize the stock and crack the dicyclopentadiene, then quickly discharging the vapor mixture into an intermediate portion of a vertically elongated zone, the zone at said intermediate portion being at a temperature within a range of 575 to 800° F., the upper portion of the zone being maintained at a temperature of about 110 to 200 F., the lower portion of the zone being maintained at a temperature of about 300 to 400° F., withdrawing the cyclopentadiene vapors from the upper part of the vertically elongated zone, then condensing said vapors, returning a part of the condensate as a shower of essentially pure liquid cyclopentadiene to the upper portion of said zone to maintain said temperature 110 to 200° F. and storing the remaining portions of the condensate at a temperature of about 200° F. whereby to polymerize the cyclopentadiene to dicyclopentadiene, then drawing off the resultant mixture of cyclopentadiene and dicyclopentadiene from the polymerization zone.

2,582,921

PURIFICATION OF BACITRACIN BY ADSORPTION

Jesse Charney, Philadelphia, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

Application February 3, 1949, Serial No. 74,493
4 Claims. (Cl. 167—65)



1. The method of purifying bacitracin consisting in admixing a clarified fermentation broth containing bacitracin with a zeolitic material chosen from the group consisting of unrefined diatomaceous earth, bentonite, kaolin, fuller's earth, and magnesium trisilicate, separating the zeolitic material and admixing it with a dilute hydroxide solution chosen from the class consisting of alkali metals and alkaline earth metals, separating the solution from the zeolitic material, and separating the bacitracin from the solution.

2,582,922

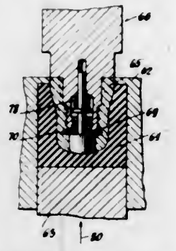
APPARATUS FOR MOLDING ARTICLES

Henry L. Crowley, South Orange, and Arthur M. Hossenlopp, Maplewood, N. J., assignors to Henry L. Crowley & Company, Inc., West Orange, N. J., a corporation of New Jersey

Application May 27, 1949, Serial No. 95,804
1 Claim. (Cl. 18—34)

Apparatus for molding articles of unformed moldable material to a predetermined size and shape, said shape including a cavity such as may be formed by a pressing plunger and the plunger withdrawn therefrom, plus an annular reentrant cavity communicating with and extending outwardly from the first named cavity, said cavities being of such form that the means by which they are formed in a molded article can not be removed therefrom without first retracting that portion of the forming means used in forming

said reentrant cavity, said apparatus comprising means providing a mold cavity in which the articles are to be formed, and a pressing plunger assembly cooperating with the first named means for molding the articles from said unformed material to said predetermined shape and size; said pressing plunger assembly comprising a pressing plunger arranged for movement in a predetermined straight path, and having an annular pressing surface substantially in a plane perpendicular to said path, a central portion of said plunger inwardly of said annular surface extending axially of said path beyond said surface and arranged to form a part at least of said first named cavity, a recess extending from the outer end of said central portion of said pressing plunger axially inwardly of said pressing plunger and including (1) a threaded portion, (2) an enlarged portion, and (3) a counterbore, a plunger head of non-yielding material having an axial stem arranged to slide in said counterbore, an annular body of yieldable material surrounding a portion of said stem and disposed between said plunger head and the end of said central portion



of said pressing plunger, said yieldable material being adapted to be deformed within its elastic limit on relative movement toward one another of the end of said central portion of said plunger and said plunger head to form said reentrant cavity in an article being molded, a washer secured to said stem and located in said enlarged portion of said recess in the operative position of all the parts of said plunger assembly, a compression spring surrounding said stem and extending between said washer and the inner opposite end of said enlarged portion and arranged to exert its force tending to move said head outwardly in respect to said pressing plunger so as to augment the potential energy of the compressed yieldable material at the completion of a forming operation and assist in stripping such yieldable material from a formed article, and an annular member freely mounted on said stem between said washer and said plunger head and outwardly threaded for engagement with said threaded portion of said recess for holding all the parts of said plunger assembly in their assembled relation to one another.

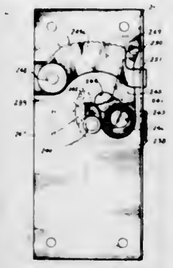
2,582,923

DOOR LOCK

Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application December 3, 1945, Serial No. 632,302
20 Claims. (Cl. 292—52)

1. A door locking mechanism comprising a rotor plate for mounting on the edge of a door, a rotor pivotally mounted on the outside of said plate and having a setting arm and a locking arm, said locking arm being movable into latching engagement with a keeper upon the closing of said door, a holding and take-up lever having an upper holding surface, means pivotally mounting one end of said lever on the inside of said plate, means for locking the free end of said lever in raised position when the door is latched, said plate having an arcuate slot extending upwardly from a point adjacent said locking arm toward said pivotal mounting means, a pin secured to said locking arm extending through said slot for movement therein, a locking lever pivotally



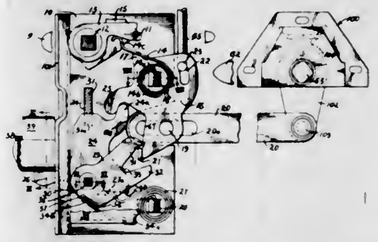
mounted on the extended end of said pin and having a member for engagement with said surface, and a coiled spring anchored in said extended pin and urging movement of said member into contact with and along said surface, said spring being effective to cause tight frictional engagement between said member and surface when said locking arm moves into engagement with the back surface of said latch detent.

2,582,924

DOOR LOCK

Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application September 27, 1946, Serial No. 699,717
15 Claims. (Cl. 292—216)



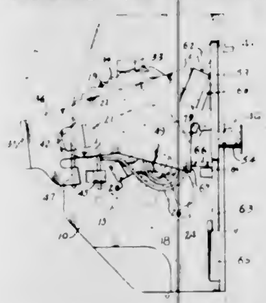
6. In a door latch mechanism for association with a door having an outside door handle, a pivotally mounted spring-biased lever connectable with and operable by said handle, a latch control lever pivotally mounted for movement in one direction from a normal position to a disconnect position and in the other direction for unlatching movement and engageable by the first lever in a normal position of the control lever upon pivotal movement of said first lever toward said latch control lever in an unlatching direction, for effecting unlatching movement of said control lever, and a dogging lever having a portion engageable with said control lever and retractable by said control lever upon pivotal movement of said control lever in an unlatching direction, and also having a portion engageable with a keeper and independently retractable by contact with said keeper during door closing movement, the latter retracting movement being effective on said control lever for rotating it from disconnect to normal position.

2,582,925
AUTOMOBILE DOOR LOCK
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 12, 1947, Serial No. 734,266
9 Claims. (Cl. 70—141)



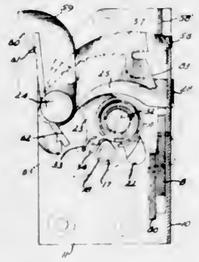
1. In a door latch mechanism, in combination, a pivoted latch bolt, outside retracting means including an oscillatable rollback and an oscillatable release member pivoted at a point removed from the axis of said rollback and actuatable thereby for retracting the latch bolt, inside retracting means including an oscillatable lever movable independently of said release member having means for engaging and retracting the latch bolt upon movement in one direction and having other means for directly dogging said rollback upon movement in another direction, a key operable locking plate rotatable into position to block the bolt retracting movement of said release member, and cooperating means on said latch bolt and locking plate whereby retracting movement of the latch bolt operates to return said locking plate to unlocked position.

2,582,926
AUTOMOBILE DOOR LOCK
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, a corporation of Michigan
Application April 25, 1947, Serial No. 743,842
3 Claims. (Cl. 292—216)



1. In a door latch mechanism, a latch casing and a rotary bolt pivotally mounted thereon for positioning at the edge of a door, a ratchet member having one end pivotally mounted on the casing, a pawl pivotally mounted on the bolt for bodily movement therewith, a spring effective for urging the pawl into engagement with the ratchet member when the bolt is in latched position for opposing unlatching rotation of the bolt, a manually slidable control member having a flange engageable under the unpivoted end of said ratchet member in the normal position of the control member restraining the latter against pivotal movement normally when the bolt is latched, yieldable means holding said control member in said position, said control member when moved manually to and held at latch release position serving to move said flange out of the path of pivotal movement of the ratchet member, the pawl engaging the top edge of the ratchet member when holding the bolt against unlatching rotation, and a projection on the pawl spaced beneath the engaging end thereof and engageable with the under side of the ratchet member and cooperating therewith to move the ratchet member into position to be engaged by the control member when the control member is reciprocated from normal to latch release position and when the door is opened and the bolt is in unlatched position.

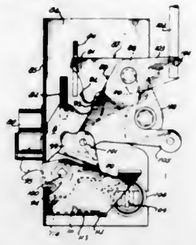
2,582,927
DOOR LOCK
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application October 21, 1947, Serial No. 781,078
3 Claims. (Cl. 292—52)



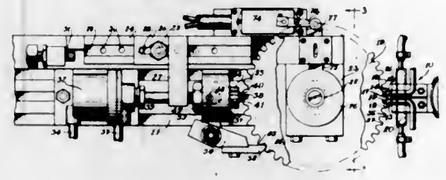
1. In a door latch mechanism, a latch, a pivoted latch release member operatively connected therewith, a pivoted outside door handle for moving said release member in position to release the latch, retracting means operable by said handle for actuating said release member and including two coaxially pivoted levers, one of said levers having a projecting end portion overlying a portion of said latch release member for moving said member in a direction to release the latch and the other of said levers having an engaging end portion positioned to be pivoted in a direction to effect release of the latch by operation of the outside door handle, a relatively stiff spring connected between said levers and normally urging said levers to rotate in opposite directions about their common pivot, said spring being sufficiently stiff to effect movement of said lever overlying said latch release member in an unlatching direction upon movement of said door handle operated lever and said other lever in an unlatching direction, a locking member movable into position to block pivotal movement of said lever overlying said latch release member, and said spring yielding to permit full pivotal movement of said handle when said locking member is in a blocking position and the latch mechanism is locked.

2,582,928
DOOR LOCK
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application October 21, 1947, Serial No. 781,079
4 Claims. (Cl. 70—149)

1. In a door latch mechanism, a pivotally mounted bolt, a bolt retracting member and a shiftable pivotal mounting therefor, outside handle actuated means for actuating said bolt retracting member, key operated locking means rotatable to and from locking position, and a lever pivotally connected with said locking means and pivotally mounted on said shiftable pivot mounting effective upon rotation of the locking means into locking position for shifting said pivotal mounting and simultaneously rocking said bolt retracting member out of the path of movement of said outside handle operated actuating means.



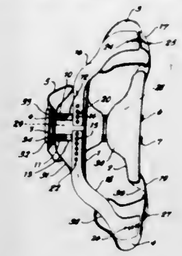
2,582,929
GEAR HARDENING MACHINE
George O. Gridley, Berlin, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application January 15, 1947, Serial No. 722,169
4 Claims. (Cl. 266—4)



1. In a heat-treating device of the character indicated, a frame, gear-supporting means longitudinally slidable with respect to said frame, work-positioning means longitudinally slidable with respect to said frame and including a part for direct longitudinal driving engagement with a tooth of a gear supported by said gear-supporting means, whereby said part may drive a gear into predetermined longitudinal and angular relationship with a heating means, lost-motion means directly coupling said gear-supporting means and said work-positioning means in a retracting stroke and after said part is retracted out of engagement with the gear, said work-positioning means and said gear-supporting means being in direct driving relation upon said coupling of said lost-motion means, and pawl means carried by said frame for ratcheting engagement with the teeth of the gear, whereby the gear may be positively indexed upon a longitudinal movement of said work-positioning means.

2,582,930
SURGICAL BRACE
Eugene L. Jewett, Maitland, Fla., assignor to Blairs Braces, Inc., Orlando, Fla., a corporation of Florida
Application May 5, 1949, Serial No. 91,559
11 Claims. (Cl. 128—78)

11. A back brace comprising right and left torso side contacting rigid support portions, sternal and pubic rigid support portions, and flexible lumbar cushioning, said cushioning being carried by at least a pair of thin horizontal stainless steel bands respectively about ½ to 1¼ inch in width, each of said bands being anchored to the sides of the brace, each of said bands being slip-fittingly sleeved through a flexible channel in said cushioning, and each of said bands being provided with screw means for adjusting its effective length independently of that of the other; said brace also comprising means for selectively adjusting the fixed elevation of and vertical spacing between said bands.



2,582,931
ELECTRICAL CAPACITOR
George T. Kodama, Milwaukee, Wis., assignor to Herlec Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application June 28, 1948, Serial No. 35,550
1 Claim. (Cl. 175—41)



A fixed electrical capacitor comprising a self-supporting ceramic dielectric sheet having two electrodes, each in the form of a metallic coating extending over and bonded to substantial portions of the opposite sides of the sheet, and two electrically conductive terminals, each having a flat base secured by a metal-to-metal bond to the respective coatings, said terminals also having lugs extending angularly from each of said bases to provide electrical connection sites, at least one of said terminals being relatively rigid and having a base bonded to a coating across the entire coating span to effectively support the entire condenser and re-enforce the dielectric, and the relatively rigid terminal is bonded in place by solder and its base has at least one perforation filled with bonding solder headed over the open end of the perforation to improve the bonding of the terminal.

2,582,932
HECTOGRAPH MASTER SHEET
Melvin H. Lustbader, New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application April 5, 1946, Serial No. 659,919
7 Claims. (Cl. 101—149.4)



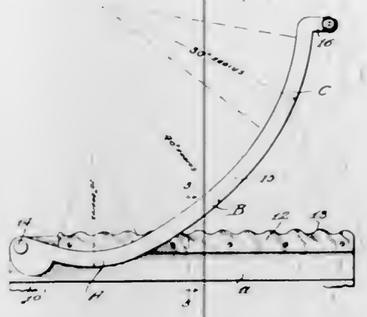
1. A master for a hectograph duplication, comprising a base sheet; an adhesive delineating an image to be reproduced, on a surface of said sheet; and a mixture of discrete particles of a powdered spirit-soluble dyestuff with a pulverulent solid carrier adhering to the surface of said adhesive.

2,582,933

CORRUGATED SHEET METAL CUTTER

Jack Nielson, Los Angeles, Calif.

Application March 30, 1950, Serial No. 152,793
1 Claim. (Cl. 164—44)



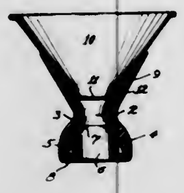
A corrugated sheet metal cutting machine, comprising a fixed blade with a cutting edge corrugated from end to end thereof and the arcuate ridges of which are tangent to a plane, a movable blade having a continuously curved cutting edge of a length equal to the length of the corrugated cutting edge of the first blade in convex relation thereto, the movable blade being pivoted to the fixed blade adjacent one end thereof and at a point beneath the lowermost point in its corrugated cutting edge, the portion of the continuously curved cutting edge adjacent said pivot having a radius of approximately 10 inches, the portion adjacent the free end thereof having a radius of approximately 30 inches, and the intermediate portion having a radius of approximately 40 inches, and the length of said free end portion being greater than that of said first portion and the length of said intermediate portion being greater than that of said free end portion whereby to provide substantially uniform angularity between the movable blade and said plane in the cutting action throughout the lengths thereof.

2,582,934

AUXILIARY DRINKING CUP

John B. Parsons, Spokane, Wash.

Application July 12, 1949, Serial No. 104,169
2 Claims. (Cl. 215—100)



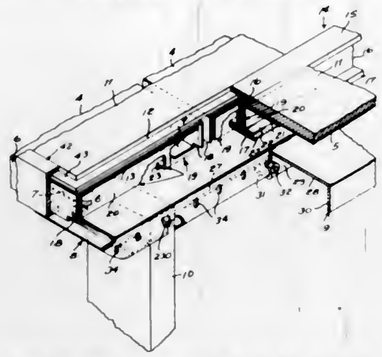
1. In an auxiliary and portable drinking attachment for a bottle, a cup-shaped body having a reduced neck portion terminating in a hollow head having an outwardly flaring wall and an interior annular shoulder, of an elastic nipple seated against the shoulder, an inner annular lip about the upper end of the nipple, an exterior annular flange about the lower end of the nipple in frictional engagement with the flaring wall.

2,582,935

SECTIONAL WORK CONNECTED TABLE

Philip Rosenberg, New York, N. Y., assignor to Universal Steel Equipment Corporation, Long Island City, N. Y., a corporation of New York

Application July 12, 1949, Serial No. 104,250
9 Claims. (Cl. 311—4)



1. A table section adapted to be joined end to end with a like table section, said section having a top which comprises longitudinally extending channel members arranged side by side, each including an upper or body portion, a pair of downwardly extending flanges, and a pair of lower inturned flanges, the upper faces of the body portions lying in a common plane, the lower faces of the inturned flanges lying in a common plane, and the body portions and the downwardly extending flanges terminating generally in a common end plane for engagement with the body portion of a joint bar continuously I-shaped in cross-section, the downwardly extending and inturned flanges being cut away, however, to provide a notch for fitting against a plurality of sides of a lower joint bar flange, and metallic fillers of sheet material secured in the ends of the respective channel members, each filler comprising a body portion disposed in co-planar relation with the ends of the channel member body portions, a comparatively long upper flange that bears against the lower face of the associated channel member body portion, a comparatively short lower flange parallel to the upper flange, and a downturned flange at the free edge of the lower flange, said lower and downturned flanges defining notch faces that coincide with the notch faces of the channel members.

2,582,936

PROCESS FOR THE MANUFACTURE OF GAS MIXTURES RICH IN AMMONIA IN GENERATORS

Zsigmund von Gálocsy, Berg en Terblijt, Netherlands, assignor to Vogogas S. A., Zurich, Switzerland

No Drawing. Application January 13, 1949, Serial No. 70,794. In the Netherlands January 15, 1948
6 Claims. (Cl. 252—375)

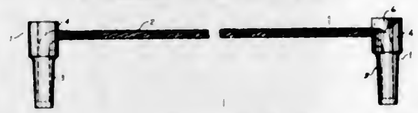
1. A process for gasifying coarse-grained carbonaceous material contalning nitrogen to make gas mixtures containing substantial quantities of ammonia in which the carbonaceous material is gasified in a vertically elongated zone by means of a gasifying medium containing oxygen, said medium being introduced into the lower part of said zone to cause the gasifying reaction to take place in said lower part, and the gasifying temperature being maintained in said lower part by means of the heat set free by the exothermic gasifying reaction, which process comprises the following steps: passing the hot gases produced in said lower part upwardly towards the upper part of said zone and discharging said gases from said upper part, introducing said carbonaceous material into said upper part of said zone, passing said material from said upper part downwardly to said lower part in countercurrent to said hot gases flowing upwardly, preheating said material on its downward way by direct contact with said hot gases flowing upwardly until a temperature of at least 900° C. is reached, introducing steam into the mass of said material thus preheated to said temperature of at least 900° C., converting the nitrogen contained in said carbonaceous material into ammonia by reaction with said steam, passing the ammonia thus obtained together with said hot gases towards the upper part of said producer, passing further downwardly from said steam introduction point the carbonaceous material substantially free from nitrogen, further preheating said carbonaceous material by means of the said hot gases until upon arrival at the lower part of said zone the gasifying temperature is reached and gasifying said carbonaceous material in said lower part of said zone.

2,582,937

RAIL BOND

William P. Bovard, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application November 4, 1948, Serial No. 58,320
9 Claims. (Cl. 238—14.8)



1. A rail bond comprising, a pair of terminal members, each terminal member comprising a tapered shank adapted to be secured in an opening in a rail and having a longitudinal bore, the shank having a radially compressible wall and an enlarged portion integral with the larger end of the shank to which a force may be applied in installing the terminal in a rail opening, each enlarged portion provided with a portion completely and uniformly surrounding the bore at the adjacent end of the shank, the enlarged portion provided with a slot intersecting the axis of the bore but not intersecting the said surrounding portion, the slot being at least as deep longitudinally as the diameter of the bore and having an end-opening and a single side-opening, an elongated conductor, a terminal secured to each end of the conductor with the conductor end positioned in the bore and the intervening portion of the conductor projecting through one of the said openings in the enlarged portion and the wall of the shank of each terminal compressed into firm engagement with the enclosed end of the conductor to secure the parts together and form a unitary device.

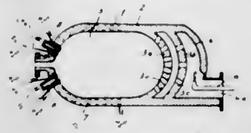
2,582,938

MANUFACTURE OF SYNTHESIS GAS

du Bois Eastman, Whittier, Calif., and Leon P. Gaucher, Tuckahoe, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application October 21, 1950, Serial No. 191,446
In Italy April 4, 1950
11 Claims. (Cl. 48—196)

1. In a process for the production of gas consisting essentially of carbon monoxide and hydrogen substantially free from solid carbon by reaction of a hydrocarbon with an oxygen-containing gas selected from the group consisting of substantially pure oxygen and oxygen-enriched air containing at least 40 volume per cent oxygen, the improvement which comprises continuously passing the reactants into a substantially completely closed reaction zone free from packing and catalyst and having an internal surface area not more than about 1.5 times the area of a sphere of equal volume; supplying said oxygen-containing gas to said reaction space in an amount such that the total quantity of



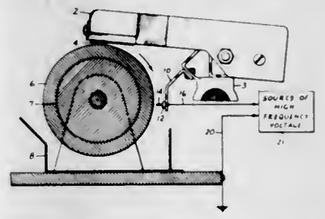
oxygen supplied to the reaction space is in excess of that amount required theoretically for conversion of all of the carbon in the feed to carbon monoxide but substantially less than the amount theoretically required for conversion of all of the carbon in the feed to carbon dioxide while autogenously maintaining the reaction zone at a temperature in the range of 2,250° F. and higher; and continuously removing from the reaction zone an effluent stream of gas comprising carbon monoxide and hydrogen substantially free from carbon and uncombined oxygen, and containing not more than about 5 mol per cent methane.

2,582,939

RECORD CHIP REMOVAL APPARATUS

Carl L. Frederick, Snyder, N. Y., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York

Application April 15, 1947, Serial No. 741,672
1 Claim. (Cl. 274—47)



In a recording apparatus wherein sound signals are engraved in a record surface by cutting away chips or strings of record material whereby said chips or strings cling to the surface of the record by electrostatic attraction, a chip removal system comprising, in combination, a record-supporting rotatable mandrel formed of electrically conducting material, means rotating said mandrel, a record having a cylindrical wax-like recording surface and supported by said mandrel, a recording element having a stylus for engraving sound signals on said surface, an arm mechanically linked to said recording element, a sharply pointed electrode near said record surface and supported by and positioned by said arm substantially in circumferential alignment with said stylus to follow along behind the stylus as the mandrel is rotated, said sharply-pointed electrode being electrically insulated from said arm, a mechanism for moving said stylus and said electrode in conjunction transversely along said record surface during the recording operation, and a radio frequency generator coupled to said

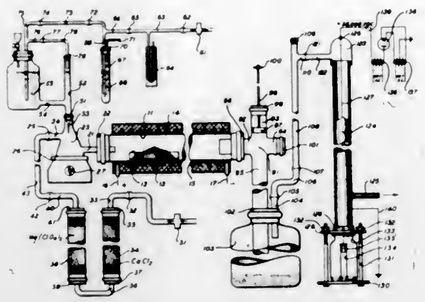
electrode and to said mandrel said mandrel and said electrode forming the output terminals of said radio frequency generator to produce a high potential gradient radio-frequency field at the point of said electrode adjacent said recording surface whereby the electrostatic charges acquired during the recording operation are dissipated and the chips thereby prevented from clinging to the recording surface.

2,582,940
THIOSEMICARBAZIDE RODENTICIDE
Emanuel Waletzky, Stamford, Conn., and Alexander Bliznick, Long Island City, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 5, 1947, Serial No. 759,290
1 Claim. (Cl. 167—46)

A rodenticide including as its principal toxic ingredient thiosemicarbazide, and a rodent edible solid food as a dispersion medium therefor.

2,582,941
PROCESSES OF PRODUCING URANIUM CHLORIDES
Coleman D. Wilder, Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application October 12, 1944, Serial No. 558,452
8 Claims. (Cl. 23—14.5)

1. A process for producing the higher chlorides of uranium comprising passing a stream of air in admixture with carbon tetrachloride vapor in which the volumetric ratio of air/CCl_4 is about 1.3 to 3.2 and flowing at a linear velocity of about 1.7 to 5.1 cm. per second over a uranium oxide

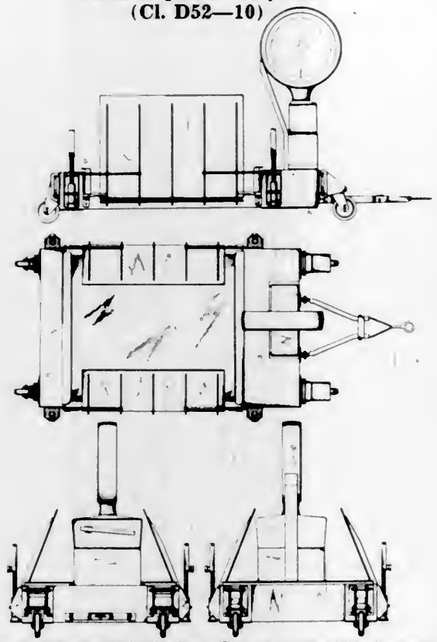


maintained at a temperature of 540° to 560° C. to react therewith yielding vapor of said higher uranium chlorides in admixture with effluent gaseous reaction products, and recovering said uranium chlorides from said effluent gaseous reaction products.

DESIGNS

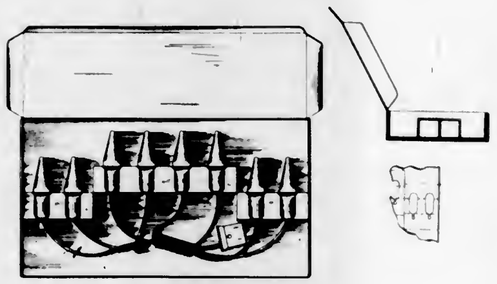
JANUARY 15, 1952

165,676
PORTABLE HEAVY-DUTY SCALE
Clyde N. Bates, Rutland, Vt.
Application March 22, 1951, Serial No. 14,580
Term of patent 14 years
(Cl. D52—10)



The ornamental design for a portable heavy-duty scale, substantially as shown and described.

165,677
COMBINED TREE LIGHTING SET AND CASE THEREFOR
Stanley I. Batkin, New Rochelle, N. Y.
Application February 12, 1949, Serial No. 815
Term of patent 14 years
(Cl. D80—5)



The ornamental design for a combined tree lighting set and case therefor, as shown.

165,678
COMBINATION SEAT AND WALL CABINET
Edward Harley Cawthon, Tampa, Fla.
Application May 15, 1951, Serial No. 15,188
Term of patent 3½ years
(Cl. D15—8)



The ornamental design for a combination seat and wall cabinet, as shown.

165,679
CLOTHESPIN
Fred S. Clark, New York, N. Y.
Application April 2, 1948, Serial No. 145,495
Term of patent 14 years
(Cl. D17—6)



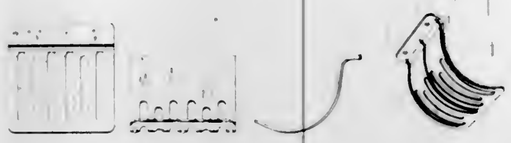
The ornamental design for a clothespin, as shown and described.

165,680
CUP
R. Guy Cowan, Fayetteville, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application December 6, 1949, Serial No. 6,454
Term of patent 14 years
(Cl. D44—9)



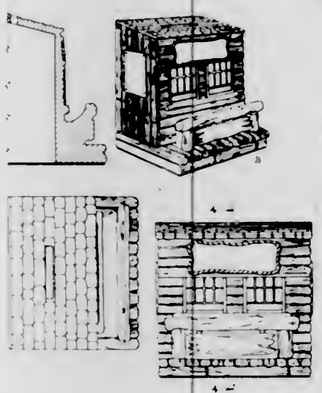
The ornamental design for a cup, as shown and described.

165,681
TOWEL RACK
Russell Eckenboy, Detroit, Mich.
Application November 2, 1949, Serial No. 5,838
Term of patent 14 years
(Cl. D33—16)



The ornimental design for a towel rack, substantially as shown.

165,682
TOY SAVINGS BANK
Gustav Flexner, Louisville, Ky.
Application July 5, 1951, Serial No. 15,761
Term of patent 14 years
(Cl. D34—11)



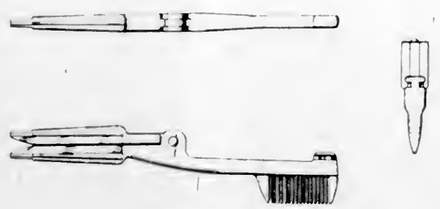
The ornamental design for a toy savings bank, as shown and described.

165,683
COMBINED HOLDER FOR CONTAINER AND APPLICATOR
Albert B. Fournier and William D. Williams, Toledo, Ohio, assignors to National Laboratories, Inc., Toledo, Ohio, a corporation of Ohio
Application January 9, 1951, Serial No. 13,716
Term of patent 14 years
(Cl. D83—1)



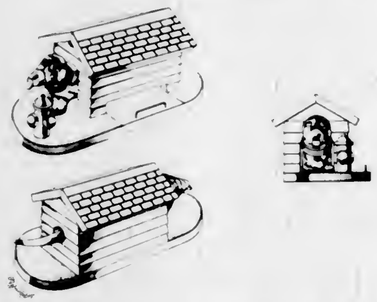
The ornamental design for a combined holder for container and applicator, as shown.

165,684
HAIR CURLING DEVICE
Frank G. Hall, Chicago, Ill.
Application August 21, 1951, Serial No. 16,396
Term of patent 7 years
(Cl. D86—8)



The ornamental design for a hair curling devise, as shown.

165,685
CIGARETTE DISPENSER
Robert Hunt, Saginaw, Mich.
Application July 20, 1951, Serial No. 15,968
Term of patent 14 years
(Cl. D85—2)



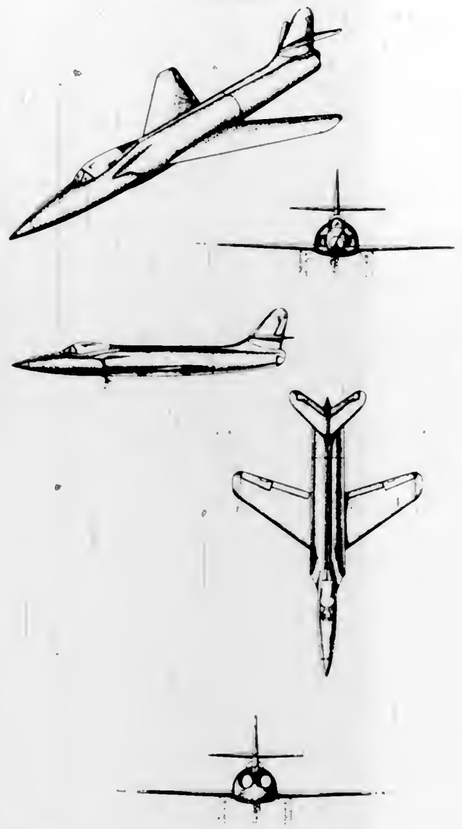
The ornamental design for a cigarette dispenser, as shown.

165,686
CONTROL KNOB FOR A FOOD MIXER OR THE LIKE
Ivar Jepson, Oak Park, Ill., assignor to Sunbeam Corporation, Chicago, Ill., a corporation of Illinois
Application January 16, 1951, Serial No. 13,828
Term of patent 14 years
(Cl. D44—1)



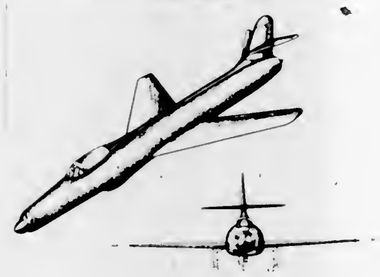
The ornamental design for a control knob for a food mixer or the like, substantially as shown.

165,687
AIRPLANE
Clarence L. Johnson, Encino, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application November 30, 1950, Serial No. 13,193
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, as shown and described.

165,688
AIRPLANE
Clarence L. Johnson, Encino, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application November 30, 1950, Serial No. 13,194
Term of patent 14 years
(Cl. D71—1)

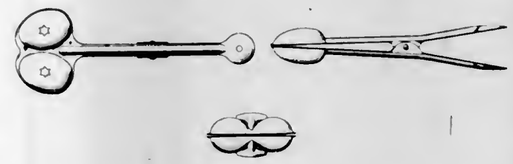


165,688—Continued



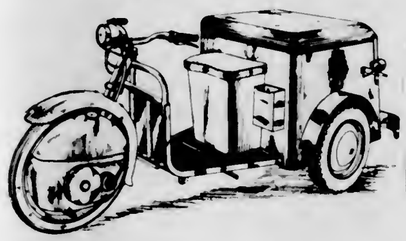
The ornamental design for an airplane, as shown and described.

165,689
EGG TONGS
Paul L. Jones, Lakegrove, Oreg.
Application May 21, 1951, Serial No. 15,258
Term of patent 14 years
(Cl. D44—4)

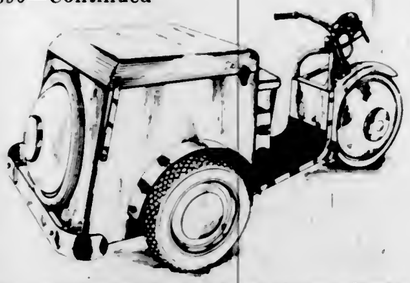


The ornamental design for egg tongs, as shown.

165,690
THREE-WHEELED VEHICLE
Max W. Kistler, Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del., a corporation of Delaware
Application July 13, 1951, Serial No. 15,863
Term of patent 14 years
(Cl. D90—8)

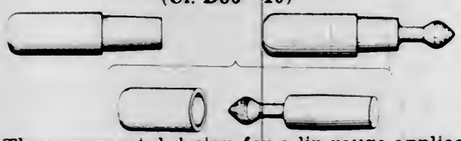


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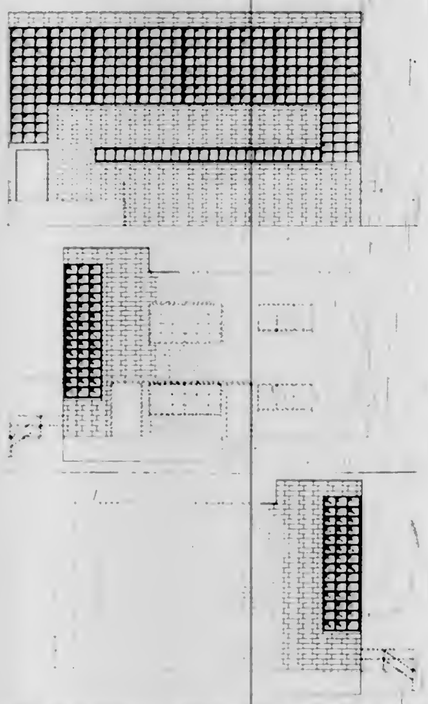
The ornamental design for a three-wheeled vehicle, substantially as shown.

165,691
LIP ROUGE APPLICATOR
Grace E. Macomic, Chicago, Ill.
Application February 23, 1951, Serial No. 14,307
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a lip rouge applicator, as shown.

165,692
MILK PROCESSING BUILDING
Peter B. Mayo, Northfield, Ill.
Application October 26, 1950, Serial No. 12,741
Term of patent 7 years
(Cl D13—1)



The ornamental design for a milk processing building, substantially as shown and described.

165,693
INFANT'S BIB
Robert E. Mearns, New York, N. Y.
Application August 13, 1951, Serial No. 16,259
Term of patent 7 years
(Cl. D3—26)



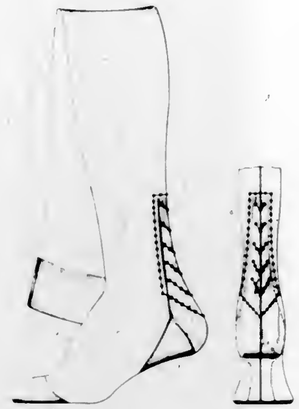
The ornamental design for an infant's bib, as shown.

165,694
STOCKING
Julius Miran, New York, N. Y.
Application July 2, 1951, Serial No. 15,736
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, substantially as shown and described.

165,695
STOCKING
Julius Miran, New York, N. Y.
Application July 2, 1951, Serial No. 15,737
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, substantially as shown and described.

165,696
STOCKING
Julius Miran, New York, N. Y.
Application July 2, 1951, Serial No. 15,738
Term of patent 14 years
(Cl. D47—7)



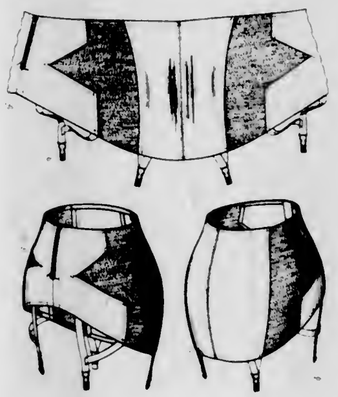
The ornamental design for a stocking, substantially as shown and described.

165,697
LADY'S STOCKING
Walter Mueller, Clifton, N. J., assignor of one-half to Richard E. Schletter, Philadelphia, Pa.
Application August 7, 1951, Serial No. 16,181
Term of patent 14 years
(Cl. D47—7)



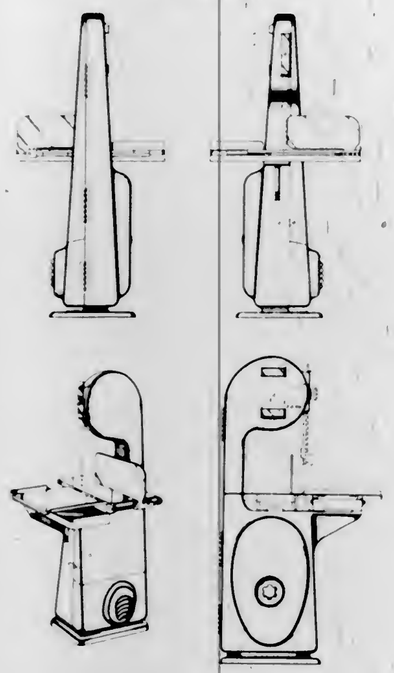
The ornamental design for a lady's stocking, substantially as shown.

165,698
LADY'S FOUNDATION UNDERGARMENT
Eileen A. Rockwell, Bridgeport, Conn., assignor to The La Resista Corset Company, Bridgeport, Conn., a corporation of Connecticut
Application January 25, 1951, Serial No. 13,947
Term of patent 14 years
(Cl. D20—2)



The ornamental design for a lady's foundation undergarment, substantially as shown and described.

165,699
ELECTRIC MEAT, FISH, AND BONE CUTTER
Arnold C. Schueren, Chicago, Ill., assignor to Vaughan Company, Chicago, Ill., a corporation of Illinois
Application March 7, 1950, Serial No. 8,375
Term of patent 14 years
(Cl. D55—1)

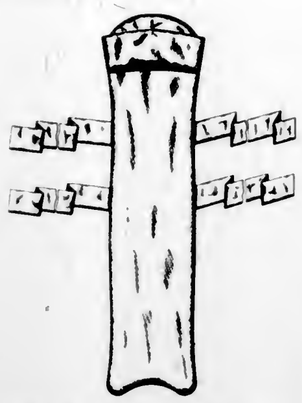


The ornamental design for an electric meat, fish and bone cutter, substantially as shown and described.

165,700
BABY BUNTING
Gertrude Schwartz, Chicago, Ill.
Application February 7, 1951, Serial No. 14,122
Term of patent 14 years
(Cl. D92—2)



165,700—Continued



The ornamental design for a baby bunting, substantially as shown and described.

165,701
ARTIFICIAL CHRISTMAS TREE
Garland B. Smith, Madison, Wis.
Application October 10, 1949, Serial No. 5,398
Term of patent 14 years
(Cl. D29—1)



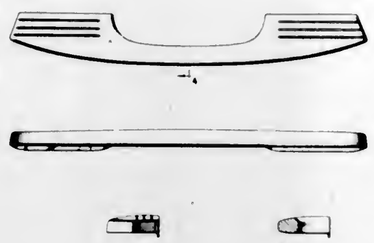
The ornamental design for an artificial Christmas tree, as shown and described.

165,702
STOVE HANDLE
Donald E. Stewart, Grandville, Mich., assignor to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application November 28, 1949, Serial No. 6,298
Term of patent 7 years
(Cl. D81—25)



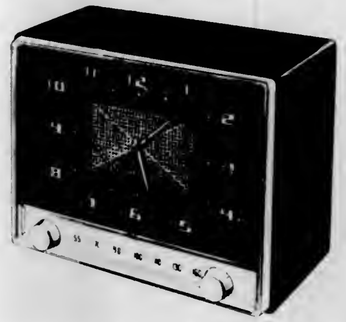
The ornamental design for a stove handle, substantially as shown.

165,703
STOVE HANDLE
Donald E. Stewart, Grandville, Mich., assignor to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application December 5, 1949, Serial No. 6,422
Term of patent 7 years
(Cl. D81—25)



The ornamental design for a stove handle, substantially as shown.

165,704
CLOCK-RADIO HOUSING
Carl W. Sundberg, Birmingham, and Montgomery Ferar, Huntington Woods, Mich., assignors to Sylvania Electric Products Inc., a corporation of Massachusetts
Application December 23, 1950, Serial No. 13,560
Term of patent 14 years
(Cl. D56—4)



The ornamental design for a clock-radio housing, as shown.

Official Gazette

UNITED STATES PATENT OFFICE

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January 22, 1952 Volume 654 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Muscle relaxant. Serial No. 614,279, Jan. 22. Class 18.

Acme Backing Corporation, Brooklyn, N. Y. Packaging material. Serial No. 608,691, Jan. 22. Class 14.

Adam Hat Stores, Inc., New York, N. Y. Men's and boys' hats and caps, dress shirts, outer and under shirts, etc. Serial No. 594,940, Jan. 22. Class 39.

Affiliated Retailers, Inc., New York, N. Y. Electrical stoves, electric vacuum cleaners, etc. Serial No. 612,885, Jan. 22. Class 21.

Albers Milling Company, Seattle, Wash., Portland, Oreg., Oakland and Los Angeles, Calif. Cattle feed. Serial No. 574,126, Jan. 22. Class 46.

Allen Ranches, Incorporated, Phoenix, Ariz. Fresh watermelons. Serial No. 615,598, Jan. 22. Class 46.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Mechanical agitators. Serial No. 611,392, Jan. 22. Class 23.

Alpha Metals, Inc., Brooklyn, N. Y. Solder. Serial No. 614,922, Jan. 22. Class 14.

Alumatic Corporation of America, West Allis, Wis. Combination windows. Serial No. 602,818, Jan. 22. Class 12.

American Alcolac Corporation, New York, N. Y. Soaps and detergents. Serial No. 596,967, Jan. 22. Class 52.

American Brass Company, The, Waterbury, Conn. Brass. Serial No. 607,278, Jan. 22. Class 14.

American Cyanamid Company, New York, N. Y. Enzyme preparation. Serial No. 600,315, Jan. 22. Class 18.

American Cyanamid Company, New York, N. Y. Enzyme preparation. Serial No. 600,317, Jan. 22. Class 18.

American Plastic Products Co., Detroit, Mich. Toilet seats. Serial No. 617,139, Jan. 22. Class 13.

American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Radiators. Serial No. 613,859, Jan. 22. Class 34.

American Resinous Chemicals Corporation, Peabody, Mass. Resin emulsions, resin dispersions, and melt compositions, etc. Serial No. 603,724, Jan. 22. Class 6.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Wire nails and brads. Serial No. 616,790, Jan. 22. Class 13.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Wire rope lubricant. Serial No. 612,111, Jan. 22. Class 15.

American Stores Company, Philadelphia, Pa. Paper kitchen bags. Serial No. 590,059, Jan. 22. Class 2.

Ames Company, Inc., Elkhart, Ind. Diagnostic kits. Serial No. 614,418, Jan. 22. Class 26.

Ames Company, Inc., Elkhart, Ind. Medicines and pharmaceutical preparations. Serial No. 614,417, Jan. 22. Class 18.

Amigo Associates, Houston, Tex. Medicinal preparation. Serial No. 614,480, Jan. 22. Class 18.

Apollo Company, Inc., The, Detroit, Mich. Utility bags of leather. Serial No. 576,605, Jan. 22. Class 3.

Apple Growers Association, Hood River, Oreg. Canned fruits, cider vinegar, fresh deciduous fruits, etc. Serial No. 611,167, Jan. 22. Class 46.

Armour & Company, Chicago, Ill., doing business under the trade style Columbus Packing Company. Hams, bacon, sausages, etc. Serial No. 540,362, Jan. 22. Class 46.

Armour and Company, Chicago, Ill. Barrelled pork. Serial No. 526,915, Jan. 22. Class 46.

Armour and Company, Chicago, Ill. Coated abrasive products. Serial No. 577,927, Jan. 22. Class 4.

Armour and Company, Chicago, Ill. Dry sausage. Serial No. 613,487, Jan. 22. Class 46.

Astor Exterminating Co., Boston, Mass. Rodenticide. Serial No. 606,451, Jan. 22. Class 6.

Atlantic Specialties: *See*—
Mercer, William G.

Atlantic Steel Company, Atlanta, Ga. Metal angles and bars, metal bands, etc. Serial No. 616,273, Jan. 22. Class 14.

Auto Chlor System, Inc., Memphis, Tenn. Maintenance and repair of dishwashing and sterilizing equipment. Serial No. 598,626, Jan. 22. Class 103.

Automotive Advertisers Council, New Castle, Ind. Preparation of advertising pamphlets and circulars. Serial No. 586,513, Jan. 22. Class 101.

Ayer, Harriet Hubbard, Inc., assignor to Lever Brothers Company, New York, N. Y. Face powder and talcum powder. Serial No. 559,898, Jan. 22. Class 51.

Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y. Vitamins and iron. Serial No. 614,483, Jan. 22. Class 18.

B & B Engineering Corporation, Norwood, La. Fire alarm telegraph boxes, switchboards, and recording instruments, etc. Serial No. 613,896, Jan. 22. Class 21.

B & M Tomato & Produce Company, St. Louis, Mo. Fresh tomatoes. Serial No. 611,595, Jan. 22. Class 46.

B & S Products Co.: *See*—
Born, Howard H.

Barker Poultry Equipment Co., Ottumwa, Iowa. Electrobleed machines. Serial No. 618,529, Jan. 22. Class 21.

Bates Manufacturing Company, The, West Orange, N. J. Staples. Serial No. 617,274, Jan. 22. Class 13.

Batlin, L. & Son, Inc., New York, N. Y. Dinnerware, tableware, kitchenware, etc. Serial No. 598,519, Jan. 22. Class 30.

Baur, O. P., Confectionery Company, The, Denver, Colo. Candies. Serial No. 589,946–7, Jan. 22. Class 46.

Becker, Henry, & Son, Inc., Roseland, N. J. Fluid milk and cream, butter, fresh eggs, and cheese. Serial No. 613,625, Jan. 22. Class 46.

Blank, J. S., & Co. Inc., New York, N. Y. Neckties. Serial No. 600,253, Jan. 22. Class 39.

Blast Machine Co., Philadelphia, Pa. Portable wheeled sand-blasting machines. Serial No. 601,595, Jan. 22. Class 23.

Belond, Jesse S., doing business as Southern California Muffler Company, assignor to Southern California Muffler Company, Culver City, Calif. Automotive exhaust systems and parts therefor. Serial No. 608,739, Jan. 22. Class 23.

Bemis Bro. Bag Company, St. Louis, Mo. Bags. Serial No. 604,898, Jan. 22. Class 2.

Bemis Bro. Bag Company, St. Louis, Mo. Paper window bags. Serial No. 607,312, Jan. 22. Class 2.

Bickmore Company, The, Old Town, Maine. Household deodorant powder. Serial No. 601,251, Jan. 22. Class 6.

Binney & Smith Company, New York, N. Y. Modeling clay. Serial No. 599,147, Jan. 22. Class 1.

Blom, Knut A., Lakewood, Ohio. Mathematical computing devices. Serial No. 602,189, Jan. 22. Class 26.

Born, Howard H., doing business as B & S Products Co., New York, N. Y. Combs. Serial No. 606,851, Jan. 22. Class 40.

Bouligny, R. H., Inc., Charlotte, N. C. Power driven sanding machines. Serial No. 601,596, Jan. 22. Class 23.

Bowman, William A., doing business under the name of W A B C O, Baltimore, Md. Windows. Serial No. 604,417, Jan. 22. Class 12.

Boyajian, Victor, doing business under the trade name and style of Lanex Processors, West New York, N. J. Liquid detergent. Serial No. 609,473, Jan. 22. Class 52.

Breon, George A., & Company, New York, N. Y. Androgenic hormone preparation. Serial No. 614,335, Jan. 22. Class 18.

Cabot, Samuel, Incorporated, Boston, Mass. Waterproof, transparent, and flexible cement. Serial No. 607,071, Jan. 22. Class 5.

California Saw Works, San Francisco, Calif. Knives and cutters. Serial No. 553,813, Jan. 22. Class 23.

Canadian Industries Limited, Montreal, Quebec, Canada. Chlorine. Serial No. 605,721, Jan. 22. Class 6.

Candymasters Incorporated, Minneapolis, Minn. Candy bars. Serial No. 614,650, Jan. 22. Class 46.

Cape Ann Manufacturing Company, Gloucester, Mass. Men's and boys' wearing apparel. Serial No. 612,241, Jan. 22. Class 39.

Cap-Tur-Neck Co., Los Angeles, Calif. Knitted caps. Serial No. 606,266, Jan. 22. Class 39.

Carston, Ernest J., Chicago, Ill. Neckties. Serial No. 573,304, Jan. 22. Class 39.

Cella, Paul J., doing business as H. and G. Research Laboratories, Inc., Kansas City, Mo., and Denver, Colo. Ice-inhibiting and windshield defrosting compositions. Serial No. 567,744, Jan. 22. Class 6.

Central Bag & Burlap Company, Chicago, Ill. Textile bags, paper lined textile bags, and laminated textile bags. Serial No. 612,441, Jan. 22. Class 2.

Central Plastic Corporation, Leominster, Mass. Plastic sewing boxes, candy boxes, parts boxes, etc. Serial No. 612,587, Jan. 22. Class 2.

Champion Paper and Fibre Company, The, Hamilton, Ohio. Mineral coated paper. Serial No. 527,439, Jan. 22. Class 37.

Chin & Lee Co., Inc., New York, N. Y. Canned chop suey and noodles. Serial No. 574,571, Jan. 22. Class 46.

Ciba Limited, Basel, Switzerland. Chemical products. Serial No. 607,932, Jan. 22. Class 6.

Ciba Limited, Basel, Switzerland. Chemical products. Serial Nos. 607,935–6, Jan. 22. Class 6.

Ciba Limited, Basel, Switzerland. Coal tar colors. Serial No. 607,940, Jan. 22. Class 6.

Ciba Limited, Basel, Switzerland. Anti-ulcus preparations. Serial No. 614,616, Jan. 22. Class 18.

Ciba Limited, Basel, Switzerland. Ganglionic blocking agents. Serial No. 614,618, Jan. 22. Class 18.

Clayton & Lambert Manufacturing Company, Louisville, Ky. Silos, corn cribs and grain bins. Serial No. 615,881, Jan. 22. Class 2.

Cluett, Peabody & Co., Inc., Troy, N. Y. Men's and boys' outer shirts and underwear. Serial No. 613,120, Jan. 22. Class 39.

Coffing, James R., Company, Danville, Ill. Automatic dog feeder and waterer structure. Serial No. 604,254, Jan. 22. Class 50.

Colm, Jack, doing business as Fitsrite Products Co., New York, N. Y. Leather wrist bands, elastic wristband anklets, etc., used for therapeutic purposes. Serial No. 557,115, Jan. 22. Class 44.

Columbus Packing Company: *See*—
Armour & Company.

Commercial Solvents Corporation, New York, N. Y. Insecticides. Serial No. 613,974, Jan. 22. Class 6.

Consolidated Dairy Products Company, Inc., New York, N. Y. Ice cream. Serial No. 614,242, Jan. 22. Class 46.

Cosmos Dental Products, Inc., New York, N. Y. Self-curing plastic and liquids for use in the making and repairing of dental trays. Serial No. 596,156, Jan. 22. Class 44.

Coyne Chemical Company: *See*—
Coyne, Sidney J.

Coyne, Sidney J., doing business as Coyne Chemical Company, Los Angeles, Calif. Insecticides. Serial No. 600,946, Jan. 22. Class 6.

Crazy Water Company, Inc., The, Mineral Wells, Tex. Natural mineral water. Serial No. 603,576, Jan. 22. Class 45.

Crookston Milling Co., Crookston, Minn. Whole wheat cooked breakfast food. Serial No. 540,390, Jan. 22. Class 46.

Curlator Corporation, Rochester, N. Y. Textile machinery and more specifically machinery for forming non-woven textile fiber webs. Serial No. 605,700, Jan. 22. Class 23.

Curtis, Helene, Industries, Inc., Chicago, Ill. Shampoo. Serial No. 591,458, Jan. 22. Class 52.

Dakota Steel Products Co., Sioux Falls, S. Dak. Insecticide sprayers. Serial No. 596,780, Jan. 22. Class 23.

Dale Retail Stores, Inc., New York, N. Y. Overnight cases, week-end cases, bottle cases, etc. Serial No. 611,562, Jan. 22. Class 3.

Dana Perfumes, Inc., Chicago, Ill. Lipstick. Serial No. 612,951, Jan. 22. Class 51.

Daniels, M. B., & Co., Inc., New York, N. Y. Spool racks. Serial No. 609,587, Jan. 22. Class 40.

Davidson Baking Co., Portland, Oreg. Bread. Serial No. 610,250, Jan. 22. Class 46.

Davis & Geck, Inc., Brooklyn, N. Y. Stainless steel mesh for surgical use. Serial No. 615,373, Jan. 22. Class 44.

Decca Records, Inc., New York, N. Y. Grooved phonograph records. Serial No. 609,079, Jan. 22. Class 36.

Deering, Milliken & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 617,947, Jan. 22. Class 42.

Defiance Automatic Screw Company, The, Defiance, Ohio. All types of steel and alloy steel components. Serial No. 600,822, Jan. 22. Class 14.

Del-O Company, St. Paul, Minn. Analgesic for the relief of muscular aches and pains. Serial No. 613,770, Jan. 22. Class 18.

Diehl Manufacturing Company, Bridgewater, N. J., and New York, N. Y. Electric bench grinders. 612,965, Jan. 22. Class 23.

Diehl Manufacturing Company, Bridgewater, N. J., and New York, N. Y. Exhaust fans. Serial No. 612,966, Jan. 22. Class 34.

Divine Brothers Company, Utica, N. Y. Buffing and polishing wheels, and buffing compositions. Serial No. 599,369, Jan. 22. Class 4.

Dixie-Portland Flour Co., Memphis, Tenn. Wheat flour. Serial No. 563,606, Jan. 22. Class 46.

Doughty, John Carr, Limited, Leicester, England. Knitted socks. Serial No. 593,911, Jan. 22. Class 39.

Drexler, Chas., Co. Inc., Indianapolis, Ind. Gears of various and special types, angle fixtures, etc. Serial No. 480,949, Jan. 22. Class 23.

Dri-Set Sales Company, Chattanooga, Tenn. Men's, boys', women's, misses' and children's underwear, sleeping garments, outerwear. Serial No. 609,123, Jan. 22. Class 39.

Duncan, Roscoe A., Cedartown, Ga. Rubbing liniment. Serial No. 576,483, Jan. 22. Class 18.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Yarns. Serial No. 612,246, Jan. 22. Class 43.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Wetting and penetrating agent and dyeing assistant. Serial No. 614,429, Jan. 22. Class 6.

Dupuy, Charles F. J., Allendale, N. J. Sponge having a pocket therein and a cake of soap in said pocket. Serial No. 601,029, Jan. 22. Class 52.

E-Z Mark Tools: *See*—
Priebe, William A.

Edi Products Inc., Brooklyn, N. Y. Electrically operated drying apparatus. Serial No. 605,149, Jan. 22. Class 21.

Electronic Secretary Industries, Inc., Milwaukee, Wis. Telephone answering apparatus and electronic sound recording and reproducing apparatus. Serial No. 582,129, Jan. 22. Class 21.

Ellmore Silver Co., Inc., The, Meriden, Conn. Sterling silver flatware and hollowware. Serial No. 599,425, Jan. 22. Class 28.

Eshelman, John W., & Sons, Lancaster, Pa. Poultry feeds, pigeon feeds, dairy feeds, etc. Serial No. 558,221, Jan. 22. Class 46.

Estrin, Richard, New York, N. Y., trading as Para Laboratories. Over-nite cream, texture cream, cleansing cream, etc. Serial No. 586,634, Jan. 22. Class 51.

Etablissements Godefroy, Société Anonyme, Calvados, France. Cheese. Serial No. 609,082, Jan. 22. Class 46.

Etchison Hat Company, Inc., Richmond, Va. Hats and caps. Serial No. 607,324, Jan. 22. Class 39.

F. & M. Supplies Limited, London, England. Artificial stone, cement and plaster. Serial No. 603,478, Jan. 22. Class 12.

Farah Manufacturing Company, Inc., El Paso, Tex. Denim jeans and pants. Serial No. 605,301, Jan. 22. Class 39.

Farah Manufacturing Company, Inc., El Paso, Tex. Denim jeans and pants. Serial No. 606,655, Jan. 22. Class 39.

Farm and Ranch, Inc., Kansas City, Mo. Power mowers. Serial No. 517,437, Jan. 22. Class 23.

Farmer Tarleton: *See*—
Jacobs, Walter.

Fels and Company, Philadelphia, Pa. Dry detergent. Serial No. 609,719, Jan. 22. Class 52.

Ferry-Morse Seed Co., Detroit, Mich. Seeds. Serial No. 613,808, Jan. 22. Class 1.

Fino Fabrieken, Harderwijk, Netherlands. Canned soups; canned and powdered soup bases, etc. Serial No. 565,254, Jan. 22. Class 46.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Synthetic and natural aromatic chemical and essential oils used as ingredients for detergents and soaps. Serial No. 594,448, Jan. 22. Class 52.

Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.

Fitsrite Products Co.: *See*—
Colm, Jack.

Flexigrip, Inc., New York, N. Y. Plastic slide fasteners. Serial No. 615,375, Jan. 22. Class 13.

Flo-Bar, Limited, New York, N. Y. Refillable controlled fluid soap dispensers. Serial No. 582,830, Jan. 22. Class 2.

Formfit Company, The, Chicago, Ill. Sanitary belts and sanitary panty shields. Serial No. 615,450, Jan. 22. Class 44.

Franklin Research Company, Philadelphia, Pa. Automobile waxes and glazes, wax polishes, etc. Serial No. 579,589, Jan. 22. Class 4.

Franklin Research Company, Philadelphia, Pa. Compositions for cleaning and reconditioning asphalt tile floors, etc. Serial No. 600,475, Jan. 22. Class 52.

Fratelli Borletti Società Per Azioni, Milan, Italy. Sewing machines. Serial No. 605,551, Jan. 22. Class 23.

Friedberg, Leonard, New York, N. Y. Rouge, face powder, perfume, toilet water, etc. Serial No. 583,339, Jan. 22. Class 51.

Funk, Casimir, Laboratories, Inc., New York, N. Y. Medicinal preparation. Serial No. 593,331, Jan. 22. Class 18.

Garod Radio Corporation, New York, N. Y. Radio receiving sets, television receiving sets, automatic phonographs and combinations of any of them. Serial No. 618,573, Jan. 22. Class 21.

Geigy Company, Inc., New York, N. Y. Preparations for killing weeds and destroying vermin, insecticides, fungicides, etc. Serial No. 612,737, Jan. 22. Class 6.

Geigy Company, Inc., New York, N. Y. Anti-rheumatic, analgesic, and anti-pyretic preparation. Serial Nos. 613,812–13, Jan. 22. Class 18.

General American Transportation Corporation, Chicago, Ill. Railway freight cars. Serial No. 611,267, Jan. 22. Class 19.

General Aniline & Film Corporation, New York and Binghamton, N. Y. Chemicals and preparations and compounds thereof. Serial No. 589,718, Jan. 22. Class 6.

General Foods Corporation, New York, N. Y. Salt. Serial No. 615,061, Jan. 22. Class 46.

General Mills, Inc., Minneapolis, Minn. Wheat flour. Serial No. 600,659, Jan. 22. Class 46.

General Motors Corporation, Detroit, Mich. Ferrous and non-ferrous metal castings. Serial No. 585,996, Jan. 22. Class 14.

Geometric Stamping Company, The, Cleveland, Ohio. Metal stampings. Serial No. 596,571, Jan. 22. Class 14.

Georgia-Carolina Oil Company, Macon, Ga. All-purpose lubricating grease. Serial No. 614,696, Jan. 22. Class 15.

Germain's, Inc., Los Angeles, Calif. Flower seeds. Serial No. 615,214, Jan. 22. Class 1.

Globe Slicing Machine Co., Inc., Stamford, Conn. Computing commodity scales. Serial No. 612,013, Jan. 22. Class 26.

Globe-Union Inc., Milwaukee, Wis. Electronic audio-amplifier units. Serial No. 614,138, Jan. 22. Class 21.

Globe-Union Inc., Milwaukee, Wis. Electronic audio-detector units. Serial No. 614,139, Jan. 22. Class 21.

Globe-Union Inc., Milwaukee, Wis. Balanced diode load filter units. Serial No. 614,140, Jan. 22. Class 21.

Gralnick Bros. Inc., Philadelphia, Pa. Hand bags, suit cases, overnight bags, etc. Serial No. 603,229, Jan. 22. Class 3.

Gristede Bros., Inc., New York, N. Y. Canned vegetables. Serial No. 615,117, Jan. 22. Class 46.

Grove Laboratories, Inc., The, St. Louis, Mo. Medicinal preparations. Serial No. 614,437, Jan. 22. Class 18.

H. and G. Research Laboratories, Inc.: *See*—
Cella, Paul J.

Hanau Engineering Company, Inc., Buffalo, N. Y. Bunsen burners. Serial No. 606,379, Jan. 22. Class 26.

Handicast Company, The, Cleveland, Ohio. Hand-held fishing reel. Serial No. 573,770, Jan. 22. Class 22.

Hanovia Chemical and Manufacturing Company, Newark, N. J. Cabinet mounted apparatus for the irradiation of blood plasma and other liquid biologics. Serial No. 592,030, Jan. 22. Class 44.

Hansen Fruit & Cold Storage Co., Yakima, Wash. Fresh deciduous fruits. Serial No. 577,716, Jan. 22. Class 46.

Happiness Tours, Chicago, Ill. Arranging and conducting travel tours and arranging hotel accommodations for tourists. Serial No. 604,694, Jan. 22. Class 105.

Happiness Tours, doing business under the name and style of J. Stuart Rotchford Travel Service, Chicago, Ill. Arranging and conducting travel tours and arranging hotel accommodations for tourists. Serial No. 604,705, Jan. 22. Class 105.

Hardman, H., V., Co. Incorporated, Belleville, N. J. Cement. Serial No. 606,015, Jan. 22. Class 5.

Harris, John I., Nashville, Tenn. Prophylactics. Serial No. 601,729, Jan. 22. Class 44.

Hearst Corporation, The, New York, N. Y. Newspaper section or department. Serial No. 615,835, Jan. 22. Class 38.

Heli-Coil Corporation, Danbury, Conn. Tools and machines and parts thereof. Serial No. 611,424, Jan. 22. Class 23.

Heppenstall Company, Pittsburgh, Pa. Annealed hot-worked alloy die steel. Serial No. 607,289, Jan. 22. Class 14.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Suspenders and garters. Serial No. 585,930, Jan. 22. Class 39.

Hi-lo TV Antenna Corp., Chicago, Ill. Indoor antennas. Serial No. 606,425, Jan. 22. Class 21.

Hoosier Factories, Inc., Michigan City, Ind. Men's trousers. Serial No. 597,956, Jan. 22. Class 39.

Husqvarna Vapenfabrika Aktiebolag, Huskvarna, Sweden. Bicycles. Serial No. 604,262, Jan. 22. Class 19.

Imperial Chemical Industries Limited, London and Millbank, London, England. Slide fastenrs, union joints and couplings, etc. Serial No. 610,321, Jan. 22. Class 13.

Imperial Glass Corporation, Bellaire, Ohio. Glassware. Serial Nos. 610,846–7, Jan. 22. Class 33.

Imperial Optical Company Ltd., Toronto, Ontario, Canada. Flat top bifocal ophthalmic lenses. Serial No. 603,344, Jan. 22. Class 26.

Imperial Products Company, Philadelphia, Pa. Powdered household laundry bleach. Serial No. 614,441, Jan. 22. Class 6.

Indiana Steel Products Company, The, Valparaiso, Ind. Permanent magnet alloys. Serial No. 607,502, Jan. 22. Class 14.

Indiana Steel Products Company, The, Valparaiso, Ind. Magnetic alloys. Serial No. 607,503, Jan. 22. Class 14.

Industrial Container Corporation, Brooklyn, N. Y. Cartons and boxes. Serial No. 604,203, Jan. 22. Class 2.

Industrial Starter Corporation, New York, N. Y. Fluorescent lamp starters. Serial No. 609,926, Jan. 22. Class 21.

Ingalls, Roy E., Sumner, Wash. Canned peas, diced carrots, whole kernel corn, etc. Serial No. 605,793, Jan. 22. Class 46.

Inland Steel Company, Chicago, Ill. Galvanized steel sheets. Serial No. 615,776, Jan. 22. Class 14.

International Harvester Company, Chicago, Ill. Unfinished ferrous castings. Serial No. 612,805, Jan. 12. Class 14.

International Latex Corporation, Dover, Del. Baby oil, baby cream and baby powder. Serial No. 558,031, Jan. 22. Class 51.

International Service Association: *See*—
Kirby, Donald R.

Interstate Bedding Company, Chicago, Ill. Sleeping bags. Serial No. 621,247, Jan. 22. Class 22.

Jacobs, Walter, doing business as Farmer Tarleton, Pike, N. H. Maple smoked turkeys. Serial No. 616,468, Jan. 22. Class 46.

Johnson, C. S., Company, The, Champaign, Ill. Buckets, bins and hoppers. Serial No. 615,933, Jan. 22. Class 2.

Johnson-March Corporation, The, Philadelphia, Pa. Chemical compound. Serial No. 616,103, Jan. 22. Class 6.

Jones, Alfred L., Fresno, Calif. Hair drier attachment for vacuum cleaners. Serial No. 613,995, Jan. 22. Class 44.

Kallis and Kallis, Chicago, Ill. Trucking carrier directories and rosters. Serial No. 615,935, Jan. 22. Class 38.

Karp, Paul, doing business under the name of Ty-Craft, Ltd., Los Angeles, Calif. Ties. Serial No. 603,885, Jan. 22. Class 39.

Katz, Jacob F., doing business as Nutrosol Company, Brooklyn, N. Y. Liquid chemical compound for use as an additive to solvents. Serial No. 584,987, Jan. 22. Class 52.

Kautzky Manufacturing Company, Fort Dodge, Iowa. Artificial edible fish bait. Serial No. 608,401, Jan. 22. Class 22.

Kennedy-Lumitone Co. Inc., New York, N. Y. Colored picture post cards. Serial No. 611,524, Jan. 22. Class 38.

Kent, Alla, New York, N. Y. Ladies' caps. Serial No. 613,135, Jan. 22. Class 39.

Keystone File Sharpening Co.: *See*
Wood, J. R.

Kingan & Co. Incorporated, Indianapolis, Ind. Meat loaf. Serial No. 616,957, Jan. 22. Class 46.

Kirby, Donald R., doing business as International Service Association, Champaign, Ill. Promoting sales in restaurants and cafes. Serial No. 564,574, Jan. 22. Class 101.

Klenzo Automotive Products Company, Chicago, Ill. Filter elements. Serial No. 609,931, Jan. 22. Class 31.

Koeppel Steel Products, Inc., Ossining, N. Y. Office equipment. Serial No. 614,350, Jan. 22. Class 32.

Krad-L Laboratory, Reading, Pa. Non-electric hair waivers and curlers. Serial No. 611,280, Jan. 22. Class 40.

Kuick, Paul, doing business as Macomb Food Supply, Centerline, Mich. Horse meat. Serial No. 582,733, Jan. 22. Class 46.

Laboratories Darrasse-Darmex, (par abréviation Labodar) Societe a Responsabilite Limitee, Nanterre, (Seine), France. Solution of iodine and caffeine. Serial No. 607,504. Jan. 22. Class 18.

Lambert Pharmacal Company, Wilmington, Del., and St. Louis, Mo. Dentifrice. Serial No. 609,037. Jan. 22. Class 51.

Lanex Processors: *See*
Boyajian, Victor.

Lantz, Walter, Productions, Inc., Hollywood, Calif. Series of motion picture photoplays. Serial No. 615,984, Jan. 22. Class 22.

Lea, David M., & Company, Incorporated, Richmond, Va. Furniture. Serial No. 609,867, Jan. 22. Class 32.

Lead Alloy Products Co., Detroit, Mich. Preformed solder shapes. Serial No. 590,090, Jan. 22. Class 14.

Lear, Incorporated, Grand Rapids, Mich. Electromagnetic clutches. Serial No. 596,101, Jan. 22. Class 21.

Lee, H. D., Company, Incorporated, The, Kansas City, Mo. Men's pants, outer shirts, blouses, and flight caps. Serial No. 612, 265, Jan. 22. Class 39.

Lelong, Lucien, Inc., Chicago, Ill. Perfume containers. Serial No. 588,304, Jan. 22. Class 2.

Lenoir Wood Finishing Company, Inc., Lenoir, N. C. Polishing and rubbing preparations. Serial No. 599,183, Jan. 22. Class 4.

Lever Brothers Company, assignee: *See*—
Ayer, Harriet Hubbard, Inc.

Levy, L., Sons, New York, N. Y. Auxiliary folding table top. Serial No. 588,225, Jan. 22. Class 32.

Limestone Products Corporation of America, Newton, N. J. Finely pulverized limestone. Serial No. 592,271, Jan. 22. Class 1.

Lindsay, Henry, Limited, Bradford, England. Bolts. Serial No. 594,508, Jan. 22. Class 13.

Little, M. S., Manufacturing Company, The, Hartford, Conn. Plumbing traps. Serial No. 617,088, Jan. 22. Class 13.

Little Crow Milling Co., Inc., Warsaw, Ind. Cocoa coated breakfast cereal. Serial No. 563,350, Jan. 22. Class 46.

Loroco Industries, Inc., Reading, Ohio. Combination shirt wrapper and collar support fabricated from paper. Serial No. 597,369, Jan. 22. Class 37.

Luer Packing Company, Los Angeles, Calif. Salami sausage. Serial No. 532,240, Jan. 22. Class 46.

Maconb Food Supply: *See*—
Kuick, Paul.

Magnesium Elektron Limited, Clifton Junction, England. Chemical compositions and mixtures. Serial No. 608,614. Jan. 22. Class 6.

Major Clothing Co., Inc., Bridgeton, N. J. Men's sport coats, suits and topcoats. Serial No. 605,102, Jan. 22. Class 39.

Maltine Company, The, Morris Plains, N. J. Medicinal preparation. Serial No. 613,779, Jan. 22. Class 18.

Manhattan Shirt Company, The, New York, N. Y. Men's dress and negligee shirts. Serial No. 613,673, Jan. 22. Class 39.

Manufacturers Battery Company, Madison, Wis. Dry cells and dry cell batteries. Serial Nos. 608,506–7, Jan. 22. Class 21.

Markt & Hammacher Company, New York, N. Y. Automotive engine parts. Serial No. 610,084, Jan. 22. Class 23.

Marnat Packing Company, Bennettsville, S. C. Food for dogs, cats, etc. Serial No. 600,440, Jan. 22. Class 46.

Marshall-Wells Company, Duluth, Minn. Electric storage batteries and electric dry cells. Serial No. 616,113, Jan. 22. Class 21.

Martin, Glenn L., Company, The, Baltimore and Middle River, Md. Airplanes and structural parts thereof. Serial No. 600,544, Jan. 22. Class 19.

Massachusetts Mattress Company, Boston, Mass. Mattresses and box springs. Serial No. 523,912, Jan. 22. Class 32.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 590,676, Jan. 22. Class 18.

Maxson, W. L., Corporation, The, assignor to Reconstruction Finance Corporation, New York, N. Y. Supporting bases for switch actuating elements. Serial No. 605,556, Class 21.

Mazzetti, Guido, Rome, Italy. Benzo-alcoholic soap. Serial No. 603,717, Jan. 22. Class 52.

McClung, C. M., & Co., Inc., Knoxville, Tenn. Grass hooks, pocket knives, nail hammers, etc. Serial No. 596,742, Jan. 22. Class 23.

McCormick & Company, Incorporated, Baltimore, Md. Black pepper; crushed, red, Italian style pepper, etc. Serial No. 611,032, Jan. 22. Class 46.

McCormick & Company, Inc., Baltimore, Md. Tea, salad dressing, prepared mustard, etc. Serial No. 615,076, Jan. 22. Class 46.

McGraw-Hill Book Company, Inc., New York, N. Y. Publication. Serial No. 604,731, Jan. 22. Class 38.

Mehlig, E. Richard, Co., The, Reading, Pa. Double faced tricot knitted cotton suede glove fabrics. Serial No. 586,008 Jan. 22. Class 42.

Mercer, William G., doing business as Atlantic Specialties, Westwood, Mass. Detergent. Serial No. 614,053, Jan. 22. Class 52.

Merck & Co., Inc., Rahway, N. J. Sales periodical. Serial No. 612,212, Jan. 22. Class 38.

Mercoid Corporation, The, Chicago, Ill. Controlling devices employing electric circuit controlling switches. Serial No. 585,243, Jan. 22. Class 21.

Merl Marr Blouse Company, Brodheadsville, Pa. Women's sportswear. Serial No. 601,992, Jan. 22. Class 39.

Merrill Candy Company, Merrill, Wis. Bar candy. Serial No. 541,370, Jan. 22. Class 46.

Messick, C. B., Jr.: *See* Messick, Calvin B., Jr.

Messick, Calvin B., Jr., doing business as C. B. Messick, Jr., Wauchula, Fla. Graded and packed deciduous fresh fruit and vegetables. Serial No. 578,989, Jan. 22. Class 46

Metal Textile Corporation, Roselle, N. J. Pot cleaners. Serial No. 600,603, Jan. 22. Class 4.

Meyers, Maxwell, Inc., San Antonio, Tex. Piano accordions. Serial No. 616,770, Jan. 22. Class 36.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape and gummed cloth tape. Serial No. 591,576, Jan. 22. Class 5.

Mill Agents and Distributors, Inc., Oakland, Calif. Paper. Serial No. 558,051, Jan. 22. Class 37

Minnesota Mining & Manufacturing Company, St. Paul, Minn. High strength adhesive film. Serial No. 603,074, Jan. 22. Class 5.

Minnesota Retail Hardware Association, Minneapolis, Minn. Hooks. Serial No. 617,202, Jan. 22. Class 13.

Minn Oxy, Inc., Minneapolis, Minn. Bait preserving device. Serial No. 593,605, Jan. 22. Class 22.

Modern Biscuit Corporation, Brooklyn, N. Y. Fig bars Serial No. 591,579, Jan. 22. Class 46.

Monsanto Chemical Company, St. Louis, Mo. Solutions of salts of chlorinated phenols. Serial No. 557,861, Jan. 22. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Organic and inorganic chemicals for use in cleaning metals, etc. Serial No. 592,655, Jan. 22. Class 52.

Moriarty Manufacturing Co., Kenosha, Wis. Curtain rods. Serial No. 617,156, Jan. 22. Class 13.

Morton Manufacturing Corp., doing business under the name and style of Snow White Products Co., Lynchburg, Va. Antiseptic treatment for hair and scalp. Serial No. 604,655, Jan. 22. Class 18.

Motor Cargo, Inc., Memphis, Tenn. Periodical publication Serial No. 615,716, Jan. 22. Class 38.

Nashua Gummed and Coated Paper Company, Nashua, N. H. Cover paper. Serial No. 609,877, Jan. 22. Class 37

National Auto Glass Specifications: *See* Tracy, Madison H.

National Guard Association of the United States, assignee: *See* National Guardsman Publishing Company.

National Guardsman Publishing Company, assignor to National Guard Association of the United States, Washington, D. C. Monthly magazine. Serial No. 533,351, Jan. 22. Class 38.

National Sweeping Compound Co.: *See* Siamatas, James P.

Neugass, Edwin A., doing business as Plasteck Manufacturing Co., East Port Chester, Conn. Plastic panels, dials, discs, etc., used with electrical components of various instruments. Serial No. 526,272, Jan. 22. Class 21.

Nichols and Nichols, Chicago, Ill. Laminated wood. Serial No. 577,806, Jan. 22. Class 12.

Nichols Wire & Aluminum Co., Davenport, Iowa. Furnace fittings. Serial No. 616,185, Jan. 22. Class 34.

Niles-Bement-Pond Company, West Hartford, Conn. Tracer controlled duplicating machines. Serial No. 604,591, Jan. 22. Class 23.

Noonan, T., Sons Company, Boston, Mass. Maple sugar candy. Serial No. 564,050, Jan. 22. Class 46.

North American Mushroom Co., Tinley Park, Ill. Canned steak sauce. Serial No. 613,082, Jan. 22. Class 46.

Northampton Potato Company, Northampton, Mass. Potatoes in the natural state. Serial No. 606,720, Jan. 22. Class 46.

Northern Paper Mills, Green Bay, Wis. Paper products. Serial No. 548,672, Jan. 22. Class 37.

Northern Signal Company, Milwaukee, Wis. Decorative and animated lighting displays. Serial No. 600,393, Jan. 22. Class 21.

Northwest Publications, Inc., St. Paul, Minn. Newspaper column. Serial No. 606,628, Jan. 22. Class 38.

Nutrosol Company: *See* Katz, Jacob F.

Ohmite Manufacturing Company, Chicago, Ill. Electrical circuit control elements. Serial No. 606,234, Jan. 22. Class 21.

Olympic Radio & Television Inc., Long Island City, N. Y. Television receiving sets. Serial No. 608,430, Jan. 22. Class 21.

Omega Machine Company, Providence, R. I. Lime slaker. Serial No. 581,202, Jan. 22. Class 23.

Opotow Dental Manufacturing Corp., Brooklyn, N. Y. Dental impression powder. Serial No. 614,509, Jan. 22. Class 44.

Orange-Crush Company, Chicago, Ill. Crushed fruits and crushed nuts. Serial No. 568,973, Jan. 22. Class 46.

Package Containers, Inc., Portland, Oreg. Paper shopping bags. Serial No. 554,509, Jan. 22. Class 2.

Packard Dresses, Inc., New York, N. Y. Ladies' dresses and dress ensembles. Serial Nos. 604,216–17, Jan. 22. Class 39.

Pac-Kit Company, The, Greenwich, Conn. First aid equipment. Serial No. 572,445, Jan. 22. Class 44.

Pad-Y-Wax Company, Inc., The, New York, N. Y. Packaging machines. Serial No. 607,637, Jan. 22. Class 23.

Page Seed Company, The, Greene, N. Y. Garden, grass and flower seeds. Serial No. 593,284, Jan. 22. Class 1.

Pallet Devices, Inc., Des Plaines, Ill. Skid platforms. Serial No. 580,506, Jan. 22. Class 50.

Panray Corp., The, New York, N. Y. Pharmaceutical preparation. Serial No. 612,470, Jan. 22. Class 18.

Para Laboratories: *See* Estrin, Richard.

Paragon Electric Company, Two Rivers, Wis. Synchronous electric motor operated time control switch. Serial No. 594,858, Jan. 22. Class 26.

Parker Manufacturing Company, Warren, Ohio. Mops. Serial No. 613,233, Jan. 22. Class 29.

Pearce, Walter B., Ambler, Pa. Folding high chair. Serial No. 603,645, Jan. 22. Class 32.

Peninsula Packing Company, Monterey, Calif. Canned fish. Serial No. 600,505, Jan. 22. Class 46.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Laundry detergents, strongly alkaline detergents, etc. Serial No. 560,043, Jan. 22. Class 52.

Peoples Drug Stores, Inc., Washington, D. C. Candy. Serial No. 610,921, Jan. 22. Class 46.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc. Antibiotic preparation. Serial No. 604,740, Jan. 22. Class 18.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc. Antibiotic preparation. Serial No. 611,368, Jan. 22. Class 18.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Condensed milk substitute. Serial No. 616,124, Jan. 22. Class 46.

Piedmont Mop Company, Incorporated, Charlotte, N. C. Mops and mop heads. Serial No. 608,324, Jan. 22 Class 29.

Plasteck Manufacturing Co.: *See* Neugass, Edwin A.

Polk Miller Products Corp., Richmond, Va. Household disinfectant. Serial No. 597,351, Jan. 22. Class 6.

Polk Miller Products Corporation, Richmond, Va. Insecticidal liquid preparation. Serial No. 598,500, Jan. 22. Class 52.

Pollock, Robert T., Corporation, The, New York, N. Y. Liquid hydrocarbon diesel fuels. Serial No. 596,750, Jan. 22. Class 15.

Polyphase Chemical Service, Inc., New York, N. Y. Chemicals and chemical compounds for use in removing soot, fire scale, slag, and sludge. Serial No. 613,422, Jan. 22. Class 52.

Poor & Company, Chicago, Ill. Abrasive compounds. Serial No. 594,989, Jan. 22. Class 4.

Poultry Producers of Central California, San Francisco, Calif. Fresh eggs. Serial No. 547,767, Jan. 22. Class 46.

Prairie Farmer Publishing Company, The, Chicago, Ill. Weekly periodical. Serial No. 603,544, Jan. 22. Class 38.

Priebe, William A., doing business as E-Z Mark Tools, Los Angeles, Calif. Carpenter's hand tool. Serial No. 590,759, Jan. 22. Class 23.

Product Engineering and Manufacturing Corporation, Bridgeman, Mich. Die-castings. Serial No. 610,714, Jan. 22. Class 14.

Protex Products Company, Inc., New York, N. Y. Garment bags. Serial No. 612,625, Jan. 22. Class 2.

Puerto Rico Agricultural Company, San Juan, Puerto Rico, and New York, N. Y. Canned, sliced, cubed, and crushed pineapple and canned pineapple juices. Serial No. 591,699, Jan. 22. Class 46.

Ransburg, Harper J., Co., Inc., Indianapolis, Ind. Receptacles. Serial No. 596,238, Jan. 22. Class 2.

Rauh, E., & Sons Fertilizer Co., Indianapolis, Ind. Tankage and fertilizer. Serial No. 615,410, Jan. 22. Class 10.

Reconstruction Finance Corporation, assignee: *See* Maxson, W. L., Corporation, The.

Red Comet Incorporated, Littleton, Colo. Fire extinguisher grenades, and kits containing chemical preparations. Serial No. 602,856, Jan. 22. Class 6.

Reinhart & Company, Hanford, Calif. Gauge operating electrically. Serial No. 613,085, Jan. 22. Class 26.

Reis, Carl A., South Carrollton, Ky. Coal. Serial No. 575,672, Jan. 22. Class 1.

Republic Flow Meters Company, Chicago, Ill. Chlorinated naphthalene compound. Serial No. 590,992, Jan. 22. Class 6.

Resetar Produce Company, Watsonville, Calif. Fresh vegetables. Serial No. 614,097, Jan. 22. Class 46.

Revelation Supplies Limited, Chiswick, London, England. Suitcases, weekend cases, wardrobe trunks, etc. Serial No. 605,060, Jan. 22. Class 3.

Reynolds & Reynolds Company, The, Dayton, Ohio. Partially printed or blank accounting forms. Serial No. 609,760, Jan. 22. Class 37.

Rhinelander Paper Company, Rhinelander, Wis. Supercalendered sulphite paper. Serial No. 596,803, Jan. 22. Class 37.

Roberts-Modaber, Inc., Chicago, Ill. Detergent. Serial No. 606,327, Jan. 22. Class 52.

Rockwell Manufacturing Company, Pittsburgh, Pa. Packing for rods. Serial No. 611,542, Jan. 22. Class 35.

Rockwell Manufacturing Company, Pittsburgh, Pa. Periodical publications, prints, and plans. Serial No. 611,543, Jan. 22. Class 38.

Romair, Inc., Lancaster, Pa. Poultry house heating and ventilating equipment. Serial No. 580,903, Jan. 22. Class 34.

Ross, Will, Inc., Milwaukee, Wis. Clinical thermometers, surgeons' gloves (rubber), catheters, etc. Serial No. 608,083, Jan. 22. Class 44.

Rotary Seal Company, Chicago, Ill. Shaft seals. Serial No. 527,542, Jan. 22. Class 23.

Rotary Seal Company, Chicago, Ill. Rotary seals. Serial No. 527,577, Jan. 22. Class 23.

Rotchford, J. Stuart, Travel Service: *See* Happiness Tours.

Rowe, Fred, doing business as Rowe Machine Works, Seattle, Wash. Donkey-engines. Serial No. 573,797, Jan. 22. Class 23.

Rowe Machine Works: *See* Rowe, Fred.

Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Roofing and building paper. Serial No. 605,174, Jan. 22. Class 12.

Russell, J. T., & Son Produce Company, Tulsa, Okla. Dressed poultry and fresh eggs. Serial No. 613,025, Jan. 22. Class 46.

Santé Foods, Inc., New York, N. Y. Farmer cheese, creamed cottage cheese, sour cream, etc. Serial No. 611,620, Jan. 22. Class 46.

Sargent & Company, New Haven, Conn. Carpenters' planes. Serial No. 608,569, Jan. 22. Class 23.

Scalfe Company, Oakmont, Pa. Metal cylinders. Serial No. 595,331, Jan. 22. Class 2.

Scarves by Vera, Inc., New York, N. Y. Women's scarves. Serial No. 611,621, Jan. 22. Class 39.

Schaefer Advertising Agency: *See* Schaefer, Paul A.

Schaefer, Paul A., doing business as Schaefer Advertising Agency, St. Paul, Minn. Sales promotion coupon books. Serial No. 615,796, Jan. 22. Class 38.

Schrage, Max, Company, Inc., New York, N. Y. Outer shirts and trousers, poloshirts, and pajamas. Serial No. 610,031, Jan. 22. Class 39.

Schueller, Eugene, Paris, France. Shampoos. Serial No. 597,298, Jan. 22. Class 52.

Schuylkill Valley Grocery Co., Inc., Bridgeport, Pa. Canned foods; butter, and vinegar. Serial No. 576,558, Jan. 22. Class 46.

Schweitzer, E. O., Manufacturing Co., Inc., Northbrook, Ill. Live line ammeter. Serial No. 609,703, Jan. 22. Class 26.

Scott Radio Laboratories, Inc., Chicago, Ill. Television receiving sets. Serial No. 607,199, Jan. 22. Class 21.

Sears, Roebuck and Co., Chicago, Ill. Grinding stones, abrasive grinding wheels, sanding blocks, etc. Serial No. 570,514, Jan. 22. Class 4.

Sears, Roebuck and Co., Chicago, Ill. Interior decorating services. Serial No. 573,208, Jan. 22. Class 103.

Sears, Roebuck and Co., Chicago, Ill. Film cement. Serial No. 577,611, Jan. 22. Class 5.

Sebastopol Cooperative Cannery, Sebastopol, Calif. Canned apple sauce. Serial No. 600,989, Jan. 22. Class 46.

Sexton, John, & Co., Chicago, Ill. Class of liquid quaternary ammonium compounds. Serial No. 609,452, Jan. 22. Class 6.

Shantz Associates Incorporated, Rochester, N. Y. Buttons. Serial No. 612,377, Jan. 22. Class 40.

Shell Chemical Corporation, New York, N. Y. Insecticide. Serial No. 613,884, Jan. 22. Class 6.

Shenandoah Candy Company, Inc., Winchester, Va. Candies. Serial No. 573,007, Jan. 22. Class 46.

Siamatas, James P., doing business as National Sweeping Compound Co., Ipswich and Rowley, Mass. Sweeping compound. Serial No. 591,110, Jan. 22. Class 52.

Signal Oil Company, Los Angeles, Calif. Fuel oil, road oil, stove oil, etc. Serial No. 614,729, Jan. 22. Class 15.

Sloane, W. & J., New York, N. Y. Electric lamps, lighting fixtures, chandeliers, etc. Serial No. 582,058, Jan. 22. Class 21.

Smith Brothers, Plymouth, N. C. Dry cleaning substance which may be used in dry or moist condition for removing spots. Serial No. 601,646, Jan. 22. Class 52.

Smith, Kline & French Laboratories, Philadelphia, Pa. Vitamin preparation. Serial No. 598,688, Jan. 22. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Vitamin preparation. Serial No. 601,694, Jan. 22. Class 18.

Snow White Products Co.: *See* Morton Manufacturing Corp.

Solar Aircraft Company, San Diego, Calif. Metallic bellows, metallic bellows expansion joints, expansion joint anchor bases, etc. Serial No. 604,811, Jan. 22. Class 13.

Sonoco Products Company, Hartsville, S. C. Paper carriers. Serial No. 577,232, Jan. 22. Class 2.

Southern California Muffler Company, assignee: *See* Belond, Jesse S.

Spray Incorporated, East Orange, N. J. Aerosol type liquid insecticide. Serial No. 587,762, Jan. 22. Class 6.

Spud Chips Inc., Greeley, Colo. Potato chips. Serial No. 616,878, Jan. 22. Class 46.

Squibb, E. R., & Sons, New York, N. Y. Preparation for the treatment of cardiac arrhythmias. Serial No. 611,249, Jan. 22. Class 18.

Standard Brands Incorporated, New York, N. Y. Molasses. Serial No. 608,386, Jan. 22. Class 46.

Stanley Home Products, Inc., Westfield, Mass. Coconnut oil shampoos, upholstery and rug shampoos, hand cleaners, etc. Serial No. 597,792, Jan. 22. Class 52.

Steere Enterprises: *See* Steere, John E.

Steere, John E., doing business as Steere Enterprises, Hollywood, Calif. Coin cases, card cases, key cases, etc. Serial No. 578,057, Jan. 22. Class 3.

Stern, I., & Co., Inc., Mount Vernon, N. Y. Jewelers' gold, jewelers' solders, rolled gold plate, etc. Serial No. 602,294, Jan. 22. Class 14.

Stocker Manufacturing Company, Netcong, N. J. Sealing tapes. Serial No. 613,533, Jan. 22. Class 5.

Stover Water Softener Company, St. Charles, Ill. Domestic and industrial tank type water softeners and filters. Serial No. 615,803, Jan. 22. Class 31.

Stream-Eze, Inc., South Bend, Ind. Fishing tackle. Serial No. 598,439, Jan. 22. Class 22.

Strong Electric Corporation, The, Toledo, Ohio. Electric projection lamps, electric rectifiers, and parts thereof. Serial No. 583,560, Jan. 22. Class 21.

Sucher Packing Company, The, Dayton, Ohio. Meat and meat products. Serial No. 608,901, Jan. 22. Class 46.

Sue Ann Food Products Corporation, Chicago, Ill. Salad dressing. Serial No. 614,910, Jan. 22. Class 46.

Swanson, C. A., & Sons, Omaha, Nebr. Canned poultry products. Serial No. 528,036, Jan. 22. Class 46.

Swift, Elizabeth, Little Silver, N. J. Band designed to fit the contour of the head and hold securely a scarf or hood. Serial No. 612,044, Jan. 22. Class 40.

Sylvan Sweets Co., Easton, Pa. Candy cigarettes. Serial No. 596,959, Jan. 22. Class 46.

Tacoma Metal Products Company, Tacoma, Wash. Toy electric stoves. Serial No. 594,815, Jan. 22. Class 22.

Tennessee Products & Chemical Corporation, Nashville, Tenn. Insulating material. Serial No. 588,334, Jan. 22. Class 12.

Tension Envelope Corporation, Kansas City, Mo. Correspondence or mailing envelopes. Serial No. 606,184, Jan. 22. Class 37.

Terwilliger, H. John, Productions: *See* Terwilliger, Howard J.

Terwilliger, Howard J., doing business as H. John Terwilliger Productions, Kingston, N. Y. Veterinary medicinal preparation. Serial No. 608,024, Jan. 22. Class 18.

Thomas Grain Fumigant Co., Inc., Kansas City, Mo. Economic poisons. Serial No. 614,470, Jan. 22. Class 6.

Thomsen-Ellis-Hutton Company, Baltimore, Md. Printing services. Serial No. 596,816, Jan. 22. Class 101.

Thyoquent Laboratories, Inc., Paterson, N. J. Medicated preparation. Serial No. 612,636, Jan. 22. Class 18.

Titus Blatter & Company, New York, N. Y. Drapery and upholstery fabrics. Serial No. 606,596, Jan. 22. Class 42.

Tompkins' Label Service, Philadelphia, Pa. Printed labels. Serial No. 608,774, Jan. 22. Class 38.

Towlsaver, Inc., Los Angeles, Calif. Paper towel dispensing machines. Serial No. 558,972, Jan. 22. Class 23.

Tracy, Madison H., doing business as National Auto Glass Specifications, Detroit, Mich. Photographic film. Serial No. 578,297, Jan. 22. Class 26.

Trico, Inc., Birmingham, Ala. Blend of coffee and chicory. Serial No. 610,301, Jan. 22. Class 46.

Trinidad Bean & Elevator Company, The, Denver, Colo. Dried peas, dried lentils and dried beans. Serial No. 540,941, Jan. 22. Class 46.

Trinidad Bean & Elevator Company, The, Denver, Colo. Dried beans and dried peas. Serial No. 540,942, Jan. 22. Class 46.

Tucker's, Mrs., Foods, Inc., Sherman, Tex. Vegetable oil shortening, salad oil, wheat flour, etc. Serial No. 615,423, Jan. 22. Class 46.

Ty Craft, Ltd.: *See* Karp, Paul.

Union Starch and Refining Company, Columbus, Ind. Corn syrup. Serial No. 589,816, Jan. 22. Class 46.

United Packers, Inc., Chicago, Ill. Prepared meats. Serial No. 597,421, Jan. 22. Class 46.

United Parcel Service of America, Inc., Wilmington, Del. Printed periodicals. Serial No. 615,586, Jan. 22. Class 38.

United States Gypsum Company, Chicago, Ill. Calcium sulphate. Serial No. 607,056, Jan. 22. Class 6.

United States Steel Corporation, New York, N. Y. Electric wire cable and rail bonds; and electric furnaces. Serial No. 594,155, Jan. 22. Class 21.

United States Steel Company, Pittsburgh, Pa. Steel plates. Serial No. 610,197, Jan. 22. Class 14.

Universal Cyclops Steel Corporation, Bridgeville, Pa. Composite metal products. Serial No. 595,482, Jan. 22. Class 14.

Valley Poultry & Rabbit Co., Rosemead, Calif. Fresh frozen dressed poultry and rabbits. Serial No. 585,403, Jan. 22. Class 46.

Vance & Co., Not Inc., Chicago, Ill. Drapery pleaters. Serial No. 611,984, Jan. 22. Class 40.

Van Dusen Harrington Co., Minneapolis, Minn. Wheat flour. Serial No. 545,666, Jan. 22. Class 46.

Vital Products Manufacturing Company, Cleveland, Ohio. Gun type hand tool. Serial No. 589,349, Jan. 22. Class 23.

WABCO: *See* Bowman, William A.

Wade Yommans Company, The, Alliance, Ohio. Silent butlers. Serial No. 577,154, Jan. 22. Class 13.

Wards Cove Packing Co., Inc., Seattle, Wash. Canned salmon. Serial No. 584,176, Jan. 22. Class 46.

Washington, Martha, Candies Co., Chicago, Ill. Ice cream. Serial No. 604,334, Jan. 22. Class 46.

Washington Mills Company, Inc., Winston-Salem, N. C. Men's, women's and children's underwear and outerwear. Serial No. 598,695, Jan. 22. Class 39.

Watson-Park Company, Ballardvale, Mass. Dyestuffs. Serial No. 614,275, Jan. 22. Class 6.

Weathercrest Jackets, Inc., Danville, Ill. Wearing apparel. Serial No. 603,948, Jan. 22. Class 39.

West Disinfecting Company, Long Island City, N. Y. Paper towels. Serial No. 611,163, Jan. 22. Class 37.

West Indies Bay Company, Minneapolis, Minn. Bay rum. Serial No. 598,336, Jan. 22. Class 51.

Whitehead, Jud, Heater Company, Oakland, Calif. Gas water heaters. Serial No. 611,116, Jan. 22. Class 34.

White Tower Management Corporation, Stamford, Conn. Coffee, hamburger sandwiches, and other sandwiches. Serial No. 573,807, Jan. 22. Class 46.

Wieland, Gerald W., Indianapolis, Ind. Cardboard sandwich trays. Serial No. 604,877, Jan. 22. Class 2.

Willauer Paper Box Company, Inc., Spartanburg, S. C. Collapsible cardboard boxes. Serial No. 606,108, Jan. 22. Class 2.

Winett, Ralph, & Co., Inc., Chicago, Ill. Men's clothing. Serial No. 604,114, Jan. 22. Class 39.

Winn & Coales Ltd., Kent, England. Textile bandages for wrapping metal pipes. Serial No. 568,338, Jan. 22. Class 12.

Wood, J. R., doing business under the fictitious firm name of Keystone File Sharpening Co., Los Angeles, Calif. New and re-sharpened files. Serial No. 569,547, Jan. 22. Class 23.

Workman, Barnard, Inc., New York, N. Y. Hats. Serial No. 581,511, Jan. 22. Class 39.

Worth, Inc., Seattle, Wash. Neck scarf. Serial No. 592,855, Jan. 22. Class 39.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkaline composition. Serial No. 533,101, Jan. 22. Class 52.

Yore, George J., doing business as Geo. J. Yore & Co., Chicago, Ill. Heating pads for therapeutic purposes. Serial No. 580,913, Jan. 22. Class 44.

Yore, Geo. J., & Co.: *See* Yore, George J.

Young, L. A., Spring and Wire Corporation, Detroit, Mich. Motor vehicle seat and back spring cushions and spring cushion assemblies and coiled springs therefor. Serial No. 535,111, Jan. 22. Class 19.

Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Wire. Serial No. 614,116, Jan. 22. Class 14.

Youth Associates Company, Minneapolis, Minn. Periodical. Serial No. 606,402, Jan. 22. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Vitamin A and D preparation. 553,787, Jan. 22; Serial No. 585,983, published Sept. 18, 1951. Class 18.

Accometer Corporation, Buffalo, N. Y. Automatic time operated job cost and attendance recording apparatus. 553,944, Jan. 22; Serial No. 606,928, published Oct. 9, 1951. Class 26.

Acme Quality Paints, Inc.: *See* Acme White Lead & Color Works.

Acme White Lead & Color Works, Detroit, Mich., now by change of name Acme Quality Paints, Inc. Agricultural chemicals and household and industrial germicides and disinfectants. 553,776, Jan. 22; Serial No. 584,214, published Nov. 6, 1951. Class 6.

Adhesive Tapes Limited, London, England. Pressure sensitive adhesive tape. 553,866, Jan. 22; Serial No. 598,342, published Oct. 16, 1951. Class 5.

Aerol Co. Inc., Burbank, Calif. Wheels for industrial trucks. 554,034, Jan. 22; Serial No. 610,729, published Nov. 6, 1951. Class 19.

Aeroquip Corporation, Jackson, Mich. Electronic pressure gauges and pressure sensitive elements. 553,840, Jan. 22; Serial No. 595,697, published Oct. 23, 1951. Class 26.

Aeroquip Corporation, Jackson, Mich. Electronic pressure gauges and pressure sensitive elements. 553,841, Jan. 22; Serial No. 595,700, published Oct. 23, 1951. Class 26.

Aetna Auto Parts Co., Chicago, Ill. Automotive and truck parts and accessories. 553,691, Jan. 22; Serial No. 530,143, published Jan. 4, 1949. Class 19.

Aktiebolaget Scharins Söner, Stockholm, Sweden. Insulating building boards, wall boards. 553,721, Jan. 22; Serial No. 565,864, published Sept. 25, 1951. Class 12.

Aladdin Industries, Incorporated: *See* Mantle Lamp Company of America, The.

Albemarle Paper Manufacturing Company, The, Richmond, Va. All kinds of blotting paper. 291,293, renewed Feb. 9, 1952. O. G. Jan. 22. Class 37.

Allen Industries, Incorporated, Detroit, Mich. Rug pads and cushions. 554,097, Jan. 22; Serial No. 590,211. Class 50.

Allied Stores Corporation: *See* Hahn Department Stores, Inc.

All-Power Manufacturing Company: *See* Danielson, Paul F.

American Cyanamid Company, New York, N. Y. Vitamin-mineral preparations. 554,004, Jan. 22; Serial No. 608,977, published Oct. 2, 1951. Class 18.

American Cyanamid Company, New York, N. Y. Vitamin-mineral preparations. 554,005, Jan. 22; Serial No. 608,979, published Oct. 2, 1951. Class 18.

American Dietaids Company, Inc., Yonkers, N. Y. Preparation in tablet form for the treatment of constipation. 554,001, Jan. 22. Serial No. 608,909, published Sept. 11, 1951. Class 18.

American Fiberlast Company, The, Augusta, Maine. Lightweight row boats, canoes and outboard motor boats. 553,858, Jan. 22; Serial No. 597,374, published Oct. 9, 1951. Class 19.

American Graphophone Company, to Columbia Records Inc., Bridgeport, Conn. Talking-machines and parts thereof. 84,714, re-renewed Jan. 2, 1952. O. G. Jan. 22. Class 36.

American Lava Corporation, Chattanooga, Tenn. Burner tips for gas. 553,870, Jan. 22; Serial No. 598,823, published Sept. 18, 1951. Class 34.

American Metal Specialties Corp., Hatboro, Pa. Dolls' high chairs. 554,099, Jan. 22; Serial No. 593,953. Class 22.

American Nickeloid Company, Peru, Ill., Sheet and strip metal plated with metal. 553,827, Jan. 22; Serial No. 593,899, published Nov. 6, 1951. Class 14.

American Nickeloid Company, Peru, Ill. Brass-plated sheet and strip metal. 553,828, Jan. 22; Serial No. 593,900, published Nov. 6, 1951. Class 14.

American Nickeloid Company, Peru, Ill. Nickel plated sheet and strip metal. 553,829, Jan. 22; Serial No. 593,901, published Nov. 6, 1951. Class 14.

Anciens Etablissements Barbier-Bénard & Turenne, Paris, France. Binoculars, object glass lenses, eyepieces, etc. 553,750, Jan. 22; Serial No. 578,948, published Oct. 9, 1951. Class 26.

Ar. Winarick, Inc., New York, N. Y. After shaving lotions. 275,460, Sept. 23, 1930. Republished Jan. 22. Classes 6, 18, 51, and 52.

Ark-Homa Farms Frozen Foods, Inc., Fort Smith, Ark. Frozen fruits and vegetables. 553,860, Jan. 22; Serial No. 597,729, published Oct. 9, 1951. Class 46.

Armstrong Cork Company, Lancaster, Pa. Resilient floor tile. 553,819, Jan. 22; Serial No. 592,797, published Sept. 25, 1951. Class 12.

Artistic Foundations, Inc., New York, N. Y. Girdles. 553,889, Jan. 22; Serial No. 601,131, published Oct. 23, 1951. Class 39.

Artistic Foundations, Inc., New York, N. Y. Girdles. 553,928, Jan. 22; Serial No. 606,113, published Oct. 23, 1951. Class 39.

Artistic Manufacturing Co., Incorporated, New York, N. Y. Textile ribbons. 553,925, Jan. 22; Serial No. 605,888, published Oct. 9, 1951. Class 42.

Artloom Carpet Co., Inc., Philadelphia, Pa. Textile carpets and rugs. 553,914, Jan. 22; Serial No. 604,831, published Oct. 23, 1951. Class 42.

Asbestos Manufacturing Company, Huntington, Ind. Asbestos brake lining. 553,702, Jan. 22; Serial No. 545,325, published Nov. 23, 1948. Class 35.

Associated Distributors, Inc., New York, N. Y. Ladies' panties, slips, nightgowns, etc. 553,705, Jan. 22; Serial No. 552,932, published Oct. 23, 1951. Class 39.

Auger, Alas E., Old Orchard Beach, Maine. Candy. 553,693, Jan. 22; Serial No. 531,749, published Oct. 30, 1951. Class 46.

Auricchio, Antonio, & Errico Auricchio, Naples, Italy, and New York, N. Y. Cheese. 553,786, Jan. 22; Serial No. 585,501, published Oct. 23, 1951. Class 46.

Auricchio, Errico: *See* Auricchio, Antonio, & Errico Auricchio.

Automatic Canteen Company, to Automatic Canteen Company of America, Chicago, Ill. Vending machines. 288,284, renewed Oct. 20, 1951. O. G. Jan. 22. Class 23.

Automatic Canteen Company of America: *See* Automatic Canteen Company.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Fixed temperature types of sprinkler system control thermostats. 554,000, Jan. 22; Serial No. 608,858, published Oct. 9, 1951. Class 26.

Automatic Traps Company, Inc., Webster City, Iowa. Animal traps. 554,115, Jan. 22; Serial No. 603,628. Class 50.

B. & B. Enterprises: *See* Banowitz, Benjamin.

Baar & Beards, Inc., New York, N. Y. Women's and misses' scarves. 553,992, Jan. 22; Serial No. 608,695, published Oct. 9, 1951. Class 39.

Bachmann Uxbridge Worsted Corporation, New York, N. Y. Textile fabrics in the piece. 554,053, Jan. 22; Serial No. 614,188, published Nov. 6, 1951. Class 42.

Baker, L. Lyle, doing business as L. Lyle Baker Co., Bismarck, Mo. Revolving hardware racks. 553,727, Jan. 22; Serial No. 566,826, published Oct. 30, 1951. Class 13.

Baker, L. Lyle, Co.: *See* Baker, L. Lyle.

Ballantine, George, & Son Limited, Dumbarton, Scotland. Scotch whisky. 553,794, Jan. 22; Serial No. 588,156, published Sept. 4, 1951. Class 49.

Banowitz, Benjamin, doing business as B. & B. Enterprises, Chicago, Ill. Combined package of raw popcorn, popping oil and seasoning. 553,867, Jan. 22; Serial No. 598,518, published Sept. 25, 1951. Class 46.

Barker, Moore & Mein Company, Philadelphia, Pa. Compound for the prevention and control of cecal coccidiosis in chickens. 553,861, Jan. 22; Serial No. 597,868, published Sept. 18, 1951. Class 18.

Barrell, William L., Company: *See* Barrell, William L., Co.

Barrell, William L., Co., New York, N. Y., Boston and Lawrence, Mass., Chicago, Ill., and St. Louis, Mo., to William L. Barrell Company, New York, N. Y. Duck. 84,809, re-renewed Jan. 9, 1952. O. G. Jan. 22. Class 42.

Barrell, William L., Co., New York, N. Y., Boston and Lawrence, Mass., Chicago, Ill., and St. Louis, Mo., to William L. Barrell Company, New York, N. Y. Duck. 84,895, re-renewed Jan. 9, 1952. O. G. Jan. 22. Class 42.

Batcheller's, Inc., Sioux Falls, S. Dak. Cattle feeds, hog feeds, and poultry feeds. 553,981, Jan. 22; Serial No. 608,341, published Sept. 18, 1951. Class 46.

Bear-Stewart Co., Chicago, Ill. Devil's-food cake mixture. 553,899, Jan. 22; Serial No. 602,542, published Oct. 2, 1951. Class 46.

Beck, Albert F. A., trading as an individual under the name of Beck Products Company, Pittsburgh, Pa. Chemical preparation. 554,085, Jan. 22; Serial No. 577,771. Class 6.

Beck Products Company: *See* Beck, Albert F. A.

Behr, Herman, & Company, Incorporated, Brooklyn, by Behr-Manning Corporation, Troy, N. Y. Abrasive papers and cloths. 226,251, Apr. 5, 1927. Republished Jan. 22. Class 4.

Behr-Manning Corporation: *See* Behr, Herman, & Company, Incorporated.
Manning Abrasive Company, Inc.
Manning Sand Paper Company.
National Sanding Machine Company.

Behr-Manning Corporation, Troy, N. Y. Sheet-like or flexible abrasives. 308,750, Dec. 19, 1933. Republished Jan. 22. Class 4.

Behr-Manning Corporation, Troy, N. Y. Coated abrasives. 369,072–73, July 11, 1939. Republished Jan. 22. Class 4.

Behr-Manning Corporation, Troy, N. Y. Coated abrasives. 375,932, Mar. 5, 1940. Republished Jan. 22. Class 4.

Behr-Manning Corporation, Troy, N. Y. Abrasive implements. 399,702, Jan. 26, 1943. Republished Jan. 22. Class 4.

Behr-Manning Corporation, Troy, N. Y. Coated abrasives. 400,008, Feb. 9, 1943. Republished Jan. 22. Class 4.

Behr-Manning Corporation, Troy, N. Y. Coated abrasives. 415,853, Aug. 21, 1945. Republished Jan. 22. Class 4.

Behr-Manning Corporation, Troy, N. Y. Coated abrasives. 420,254, Apr. 2, 1946. Republished Jan. 22. Class 4.

Behr-Manning Corporation, Troy, N. Y. Coated abrasives. 433,572, Oct. 21, 1947. Republished Jan. 22. Class 4.

Bell Audiphone Company, Newark, N. J. Hearing aids. 554,117, Jan. 22; Serial No. 603,981. Class 44.

Beneficial Products, Inc., Birmingham, Mich. Antiseptic-germicidal preparation. 554,010, Jan. 22; Serial No. 609,224, published Oct. 2, 1951. Class 18.

Berger, Fred R., assignee: *See* Pogue, J. E., Packing House.

Berger & Plate Company of San Francisco, San Francisco, Calif. Canned fruits, canned vegetables, canned fish, etc. 553,835, Jan. 22; Serial No. 594,946, published Oct. 9, 1951. Class 46.

Berkowitz, Sidney, Kansas City, Mo. Butchers' aprons. 554,122, Jan. 22; Serial No. 607,153. Class 39.

Berks-Lehigh Cooperative Fruit Growers, Inc., Fleetwood, Pa. Apple juice and deciduous fresh fruits. 553,848, Jan. 22; Serial No. 596,475, published Oct. 23, 1951. Class 46.

Best, Richard, Pencil Company, Inc., New York, N. Y., to Richard Best Pencil Company, Inc., Springfield, N. J. Lead pencils. 290,834, renewed Jan. 19, 1952. O. G. Jan. 22. Class 37.

Bezzerides Bros., Orosi, Calif. Fresh vegetables and berries. 554,133, Jan. 22; Serial No. 611,678. Class 46.

Bisceglia Brothers Wine Co., Fresno, Calif. Wines. 553,703, Jan. 22; Serial No. 547,226, published Oct. 2, 1951. Class 47.

Boston Molasses Company, Boston, Mass. Molasses, honey and pancake syrup. 444,650–1, Jan. 22; Serial Nos. 523,359–60, published Oct. 9, 1951. Class 46.

Botany Mills, Inc., Passaic, N. J. Lanolin lotion, suntan lotion, toilet cream, etc. 553,883, Jan. 22; Serial No. 600,115, published Oct. 2, 1951. Class 51.

Bowers, Edward C., and Charles L. Feldman receivers for Wickwire Spencer Steel Company, New York, N. Y., to The Colorado Fuel and Iron Corporation, Denver, Colo. Mechanical conveyor belts. 290,335, renewed Jan. 5, 1952. O. G. Jan. 22. Class 23.

Bowman Dairy Company, Chicago, Ill. Fresh eggs. 553,742, Jan. 22; Serial No. 574,338, published Sept. 25, 1951. Class 46.

Brach, E. J., & Sons, Chicago, Ill. Candy. 553,715, Jan. 22; Serial No. 561,224, published Nov. 6, 1951. Class 46.

Bradner Smith & Company, Chicago, Ill. Bond paper. 554,132, Jan. 22; Serial No. 611,110. Class 37.

Brauman, John Z., Inc., New York, N. Y. Neckwear. 553,759, Jan. 22; Serial No. 581,643, published Oct. 9, 1951. Class 39.

Brazilian Yerbama Co., The: *See* Hand, Charles James.

Briarcliff Mills, Atlanta, Ga. Ladies' undergarments. 554,017, Jan. 22; Serial No. 609,627, published Oct. 30, 1951. Class 39.

Bride's Hope Chest Diamond Company, Tiffin, Ohio. Diamonds, diamond rings and mountings of diamonds. 553,987, Jan. 22; Serial No. 608,531, published Sept. 11, 1951. Class 28.

Brooks Brothers, New York, N. Y. Collars. 553,927, Jan. 22; Serial No. 605,987, published Oct. 9, 1951. Class 39.

Brummer Manufacturing Corporation, Chicago Heights, Ill. Annular seals. 553,760, Jan. 22; Serial No. 581,645, published Nov. 6, 1951. Class 35.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Liquid which, applied to the skin and permitted to dry, produces a protective film. 554,083, Jan. 22; Serial No. 574,013. Class 6.

Buffalo Specialty Manufacturing Company, to Liquid Veneer Corporation, Buffalo, N. Y. Polishes. 37,516, re-renewed Dec. 24, 1951. O. G. Jan. 22. Class 4.

Bulletin Company, Philadelphia, Pa. Information service. 554,057, Jan. 22; Serial No. 543,252, published Oct. 30, 1951. Class 107.

Bulletin Company, Philadelphia, Pa. Information service. 554,058, Jan. 22; Serial No. 543,254, published Oct. 30, 1951. Class 107.

Bunny Bear, Inc., Everett, Mass. Infants' portable chairs, seats, and beds for use in automobiles. 553,704, Jan. 22; Serial No. 550,992, published Oct. 9, 1951. Class 19.

Burnham Corporation, Irvington, N. Y. Heating boilers and oil burning apparatus. 553,931, Jan. 22; Serial No. 606,265, published Oct. 16, 1951. Class 34.

Burns, Jabez, & Sons, Inc., New York, N. Y. Coffee roasters and driers. 553,807, Jan. 22; Serial No. 590,644, published Sept. 18, 1951. Class 34.

Burton-Morrow Company, Inc.: *See* Fear, Fred, & Co.

California Grape Products Company, Ltd., New York, N. Y. Wines. 553,764, Jan. 22; Serial No. 582,412, published Oct. 9, 1951. Class 47.
California Prune and Apricot Growers Association, San Jose, Calif. Dried fruits. 553,933, Jan. 22; Serial No. 606,365, published Nov. 6, 1951. Class 46.
California Prune and Apricot Growers Association, San Jose, Calif. Dried fruit. 553,934, Jan. 22; Serial No. 606,366, published Sept. 18, 1951. Class 46.
Calvert Distilling Co., The, New York, N. Y. Alcoholic beverages. 553,965, Jan. 22; Serial No. 607,738, published Oct. 2, 1951. Class 49.
Campbell, Courtney, New York, N. Y. Scrap books. 288,014, renewed Oct. 20, 1951. O. G. Jan. 22. Class 37.
Campbell Pharmaceutical Co.: *See*—
Campbell Products, Inc.
Campbell Products, Inc., by Campbell Pharmaceutical Co., New York, N. Y. Mercurial diuretics. 418,384, Dec. 18,1945. Republished Jan. 22. Class 18.
Campbell Products, Inc., by Campbell Pharmaceutical Co., New York, N. Y. Derivative of atropine. 437,737, Mar. 30, 1948. Republished Jan. 22. Class 18.
Campbell Taggart Associated Bakeries, Inc.: *See*—
Gateway Baking Company.
Canadian Refractories Limited, Montreal, Quebec, Canada. Refractory cement. 291,229, renewed Feb. 2, 1952. O. G. Jan. 22. Class 12.
Canfield, H. O., Co., The, Bridgeport, Conn. Rubber parts for assembly of aircraft. 553,923, Jan. 22; Serial No. 605,629, published Nov. 6, 1951. Class 35.
Carlton & United Breweries Limited, Carlton, Victoria, Australia. Beer. 554,124, Jan. 22; Serial No. 607,416. Class 48.
Carlton & United Breweries Limited, Carlton, Victoria, Australia. Ale. 554,125, Jan. 22; Serial No. 607,418. Class 48.
Carmen Sea Food Company, Los Angeles, Calif. Fresh frozen shrimp. 553,800, Jan. 22; Serial No. 589,143, published Nov. 6, 1951. Class 46.
Carnavos, Anna, Brooklyn, N. Y. Pastry mix. 554,127, Jan. 22; Serial No. 609,779. Class 46.
Carpenter Oil Inc., Des Moines, Iowa. Anti-freeze solutions. 553,805, Jan. 22; Serial No. 590,421, published Nov. 6, 1951. Class 6.
Carpenter Steel Company, The, Reading, Pa. Stainless steel in the form of tubing. 553,945, Jan. 22; Serial No. 607,118, published Nov. 6, 1951. Class 13.
Carstairs Bros. Distilling Co., Inc., New York, N. Y. Alcoholic beverages. 553,978, Jan. 22; Serial No. 608,235, published Oct. 2, 1951. Class 49.
Carter, James, & Co., by Carters Tested Seeds Limited, London, England. Seeds. 84,308, Nov. 28, 1911. Republished Jan. 22. Class 1.
Carters Tested Seeds Limited: *See*—
Carter, James, & Co.
Casa Vinicola Barone Ricasoli: *See*
Firidolfi, Bettino R.
Caterpillar Tractor Co., Peoria, Ill. Liquid adhesive cement. 553,849, Jan. 22; Serial No. 596,778, published Sept. 4, 1951. Class 5.
Cedarholm, C. F., Vancouver, Wash. Hamburger sandwiches. 553,788, Jan. 22; Serial No. 586,141, published Oct. 23, 1951. Class 46.
Celanese Corporation of America, New York, N. Y. Men's and women's underwear. 291,092, renewed Jan. 26, 1952. O. G. Jan. 22. Class 39.
Celanese Corporation of America, New York, N. Y. Fabrics. 291,328, renewed Feb. 9, 1952. O. G. Jan. 22. Class 42.
Celanese Corporation of America, New York, N. Y. Fabrics. 292,513, renewed Mar. 15, 1952. O. G. Jan. 22. Class 42.
Celanese Corporation of America, New York, N. Y. Fabrics. 292,516, renewed Mar. 15, 1952. O. G. Jan. 22. Class 42.
Celanese Corporation of America, New York, N. Y. Fabrics. 292,601, renewed Mar. 15, 1952. O. G. Jan. 22. Class 42.
Celanese Corporation of America, New York, N. Y. Fabrics. 292,849, renewed Mar. 29, 1952. O. G. Jan. 22. Class 42.
Century Metalcraft Corporation, Los Angeles, Calif. General cleaning compound. 553,741, Jan. 22; Serial No. 573,645, published Oct. 30, 1951. Class 52.
Century Tool & Manufacturing Company, Rockford, Ill., assignor to Trimble, Inc., Rochester, N. Y. Faucet hose temperature indicators. 554,092, Jan. 22; Serial No. 583,519. Class 26.
Chanel, Inc., New York, N. Y. Perfume. 554,078-9, Jan. 22; Serial Nos. 566,500-1. Class 51.
Charles of the Ritz, Inc., assignor, by mesne assignments, to Parfumerie Provencal, Inc., New York, N. Y. Toilet water. 553,783, Jan. 22; Serial No. 585,427, published Sept. 11, 1951. Class 51.
Cheney Brothers, South Manchester, to Cheney Brothers, Manchester, Conn. Woven, knitted, netted, textile and pile fabrics in the piece. 292,379, renewed Mar. 15, 1952. O. G. Jan. 22. Class 42.
Chicago Bridge & Iron Company, Chicago, Ill. Unfilled gas storage tanks. 554,045, Jan. 22; Serial No. 611,760, published Nov. 6, 1951. Class 2.
Chicago Steel and Wire Company, Chicago, Ill. Wire. 553,984, Jan. 22; Serial No. 608,447, published Nov. 6, 1951. Class 14.
Ciba Limited, Basel, Switzerland. Antiseptic preparation. 553,735, Jan. 22; Serial No. 572,018, published Sept. 18, 1951. Class 18.
Cincinnati Grinders Incorporated, Cincinnati, Ohio. Machine tools. 286,120, renewed Aug. 18, 1951. O. G. Jan. 22. Class 23.
Cincinnati Milling Machine Co., The, Cincinnati, Ohio. Machine tools. 286,109, renewed Aug. 18, 1951. O. G. Jan. 22. Class 23.
Cipco Corporation, The, St. Louis, Mo. Hardware. 553,768, Jan. 22; Serial No. 582,770, published Oct. 30, 1951. Class 13.
Circle S Products Co., assignor to Circle "S" Products Co., Inc., Chicago, Ill. Photographic mountings. 553,892, Jan. 22; Serial No. 601,711, published Oct. 23, 1951. Class 26.
Circle "S" Products Co., Inc., assignee: *See*—
Circle S Products Co.
Clark Thread Company, The, Newark, N. J., by The Clark Thread Company, Inc., Wilmington, Del., and Clarksdale, Ga. Thread and yarn. 290,675-6, Jan. 12, 1932. Republished Jan. 22. Class 43.
Clark Thread Company, Inc., The: *See*—
Clark Thread Company, The.
Spool Cotton Company, The.
Clow, James B., & Sons, Chicago, Ill. Gas-fired unit heaters. 553,728, Jan. 22; Serial No. 566,972, published Sept. 11, 1951. Class 34.
Cluett, Peabody & Co., Inc., Troy, N. Y. Men's and boys' outer shirts. 553,977, Jan. 22; Serial No. 608,197, published Oct. 9, 1951. Class 39.
Colorado Fuel and Iron Corporation, The: *See*—
Bowers, Edward C., and C. L. Feldman.
Colorado Milling & Elevator Co., The, doing business as The Monte Vista Flour Mills, Monte Vista and Denver, Colo. Wheat flour. 553,707, Jan. 22; Serial No. 554,951, published Nov. 6, 1951. Class 46.
Columbia Malting Company, The, Chicago, Ill. Malt. 553,920, Jan. 22; Serial No. 605,351, published Sept. 18, 1951. Class 46.
Columbia Records Inc.: *See*—
American Graphophone Company.
Columbia Ribbon & Carbon Manufacturing Company, New York, to Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Carbon-paper and type-writer ribbons. 83,818, re-renewed Oct. 17, 1951. O. G. Jan. 22. Class 11.
Columbia Ribbon & Carbon Manufacturing Company, Inc.: *See*—
Columbia Ribbon & Carbon Manufacturing Company.
Columbia River Packers Association, Inc., Astoria, Oreg. Canned, fresh, and fresh frozen fish. 553,996-7, Jan. 22; Serial Nos. 608,780-1, published Oct. 9, 1951. Class 46.
Columbia River Packers Association, Inc., Astoria, Oreg. Canned salmon. 553,998, Jan. 22; Serial No. 608,784, published Oct. 9, 1951. Class 46.
Columbia River Packers Association, Inc., Astoria, Oreg. Canned fish. 553,999, Jan. 22; Serial No. 608,787, published Oct. 9, 1951. Class 46.
Columbia River Packers Association, Inc., Astoria, Oreg. Canned, fresh, and fresh frozen fish. 554,041, Jan. 22; Serial No. 611,406, published Oct. 9, 1951. Class 46.
Combustion Equipment Company, Kansas City, Mo. Combustion equipment. 292,174, renewed Mar. 1, 1952. O. G. Jan. 22. Class 34.
Compagnie Nationale de Materes Colorantes et Manufactures de Produits Chimiques du Nord Reunies Etablissements Kuhlmann, by Manufacturers de Produits Chimiques du Nord Etablissements Kuhlmann, Paris, France. Chemical dyestuffs. 349,184, Aug. 24, 1937. Republished Jan. 22. Class 6.
Consolidated Cosmetics, Chicago, Ill. Antiseptic and deodorizing denture adhesive. 553,897, Jan. 22; Serial No. 602,439, published Sept. 4, 1951. Class 51.
Consolidated Iron-Steel Mfg. Co., The, Cleveland, Ohio. Hot plates and lamp stoves. 554,051, Jan. 22; Serial No. 613,586, published Oct. 9, 1951. Class 34.
Consultants' Laboratories of New Jersey: *See*—
Marshall, H. H.
Continental Can Company Inc., New York, N. Y. Decorative laminated plastic sheets. 553,791, Jan. 22; Serial No. 586,959, published Sept. 25, 1951. Class 12.
Continental Mills, Inc., Philadelphia, Pa. Knitted and woven cloths. 553,717, Jan. 22; Serial No. 561,383, published Nov. 6, 1951. Class 42.
Cooper, Wells & Co., St. Joseph, Mich. Hosiery. 291,819, renewed Feb. 23, 1952. O. G. Jan. 22. Class 39.
Cordes, Jules V., doing business as Shield Laboratories, Detroit, Mich. Preparation for the treatment of psoriasis. 553,761, Jan. 22; Serial No. 582,165, published Sept. 18, 1951. Class 18.
Cordes, Jules V., doing business as Shield Laboratories, Detroit, Mich. Preparation for the treatment of psoriasis. 553,762, Jan. 22; Serial No. 582,167, published Sept. 18, 1951. Class 18.
Creasey Company, The, Louisville, Ky. Package coffee and package condiments. 553,856, Jan. 22; Serial No. 597,067, published Oct. 30, 1951. Class 46.

Crete Mills, The, Crete, Nebr. Hog food, chick mash, chick food, etc. 285,227, renewed July 21, 1951. O. G. Jan. 22. Class 46.
Criden, Samuel and J., Philadelphia, Pa. Canned dog food. 553,935, Jan. 22; Serial No. 606,416, published Oct. 16, 1951. Class 46.
Crimpseal Co., Chicago, Ill. Electrically heated sealing irons. 554,091, Jan. 22; Serial No. 583,385. Class 21.
Crosley Broadcasting Corporation, Cincinnati, Ohio. Services consisting of radio program broadcasting. 554,056, Jan. 22; Serial No. 541,098, published Oct. 30, 1951. Class 104.
Crown Zellerbach Corporation, also doing business as Western Waxed Paper Company, San Francisco, Calif. Waxed paper. 554,068, Jan. 22; Serial No. 527,116. Class 37.
Crundall, A. H., Proprietary Limited, Melbourne, Victoria, Australia. Inhalants. 553,881, Jan. 22; Serial No. 600,007, published Sept. 18, 1951. Class 18.
Crystal, David, Inc., New York, N. Y. Ladies' dresses, skirts, suits, blouses. 554,042, Jan. 22; Serial No. 611,410, published Oct. 30, 1951. Class 39.
Cutaway Harrow Company, The, Higganum, by Orkil, Incorporated, East Hartford, Conn. Harrows. 25,802, Jan. 1, 1895. Republished Jan. 22. Class 23.
Cutaway Harrow Company, The, Higganum, by Orkil, Incorporated, East Hartford, Conn. Harrows and edged disks. 207,150, Dec. 22, 1925. Republished Jan. 22. Class 23.
Cutler Mail Chute Company, Rochester, N. Y. Mail chutes and mail boxes. 554,020, Jan. 22; Serial No. 610,007, published Oct. 23, 1951. Class 2.
Danielson, Paul F., doing business as All-Power Manufacturing Company, Montebello, Calif. Sink strainers. 554,074, Jan. 22; Serial No. 552,640. Class 13.
D'Arrigo Bros. Co. of California, San Jose, Calif. Fresh vegetables. 553,859, Jan. 22; Serial No. 597,435, published Oct. 30, 1951. Class 46.
Darwin, Elizabeth, Los Angeles, Calif. Women's slips. 554,126, Jan. 22; Serial No. 609,334. Class 39.
Davis, R. B., Okmulgee, Okla. Funeral plan services. 554,063, Jan. 22; Serial No. 591,284, published Oct. 30, 1951. Class 100.
Dawe's Manufacturing Company, Chicago, Ill. Vitamin and protein supplement. 553,784, Jan. 22; Serial No. 585,441, published Sept. 25, 1951. Class 18.
Dean Rubber Manufacturing Company, by W. J. Dean, North Kansas City, Mo. Prophylactic rubber articles. 287,568, Sept. 29, 1931. Republished Jan. 22. Class 44.
Dean, Wilbur J.: *See*—
Dean Rubber Manufacturing Company.
Dearborn Glass Company, Chicago, Ill. Glass implosion plates. 554,090, Jan. 22; Serial No. 582,524. Class 24.
Delapenha, R. U., & Co. Inc., New York, N. Y. Prepared foods. 291,205, renewed Feb. 2, 1952. O. G. Jan. 22. Class 46.
Del Mas, Christy M., New York, N. Y. Jewelry. 554,070, Jan. 22; Serial No. 541,816. Class 28.
Dietzgen, Eugene, Co., Chicago, Ill. Drafting equipment. 554,046, Jan. 22; Serial No. 611,893, published Oct. 30, 1951. Class 26.
Dohrmann Hotel Supply Co., San Francisco, Calif. Ventilators. 553,719, Jan. 22; Serial No. 561,908, published Sept. 25, 1951. Class 34.
Doll House Company, The: *See*—
Sorensen, Wesley A.
Dollinger Corporation, Rochester, N. Y. Fireplace screen. 553,893, Jan. 22; Serial No. 601,778, published Sept. 18, 1951. Class 34.
Dothan Seed & Supply Company, Inc., Dothan, Ala. Pecans in the shell. 553,974, Jan. 22; Serial No. 608,058, published Nov. 6, 1951. Class 46.
Dressel, Fred M., doing business as The Dressel Manufacturing Co., Kingston, N. Y. Non-siphoning bath and cabinet traps. 553,864, Jan. 22; Serial No. 598,069, published Oct. 30, 1951. Class 13.
Dressel Manufacturing Co., The: *See*—
Dressel, Fred M.
Driscoll, Martin, & Company, Chicago, Ill. Cleansing and revitalizing compound. 553,837, Jan. 22; Serial No. 595,065, published Oct. 30, 1951. Class 52.
DropDot Corporation, San Francisco, Calif. Thinner compound. 554,022, Jan. 22; Serial No. 610,049, published Nov. 6, 1951. Class 6.
Earlibest Orange Assn.: *See*—
Pogue, J. E., Packing House.
Eastyarn, Inc., Brooklyn, N. Y. Yarns. 553,842, Jan. 22; Serial No. 595,713, published Oct. 23, 1951. Class 43.
Edwards-Councilor Company, Norfolk, Va., assignor, by mesne assignments, to Edwards-Councilor Co., Inc. Compositions in tablet form for the preparation of germicidal solutions. 553,733, Jan. 22; Serial No. 570,748, published Nov. 22, 1949. Class 18.
Edwards-Councilor Co., Inc., assignee: *See*—
Edwards-Councilor Company.
Elder, Paul B., Co., Bryan, Ohio. Liquid balm. 553,811, Jan. 22; Serial No. 591,361, published Sept. 18, 1951. Class 18.
Elgin National Watch Company, Elgin and Chicago, Ill., to Elgin National Watch Company, Elgin, Ill. Watch-movements. 82,972, re-renewed Aug. 8, 1951. O. G. Jan. 22. Class 27.
Elgin Softener Corporation, Elgin, Ill. Water neutralizing material. 553,876, Jan. 22; Serial No. 599,754, published Nov. 6, 1951. Class 6.
Elliott, B. K., Company, Pittsburgh, Pa. Rubber adhesive cement. 553,812, Jan. 22; Serial No. 591,465, published Oct. 16, 1951. Class 5.
Ellis, A. D., Mills Incorporated, Monson, Mass. Cloth. 291,774, renewed Feb. 23, 1952. O. G. Jan. 22. Class 42.
Elwell, Lawrence L., Detroit, Mich. General insurance brokerage service. 554,137, Jan. 22; Serial No. 577,174. Class 102.
Ely & Walker Dry Goods Company, St. Louis, Mo. Women's dresses. 553,772, Jan. 22; Serial No. 583,528, published Oct. 30, 1951. Class 39.
Emerson Drug Company, by The Emerson Drug Company of Baltimore City, Baltimore, Md. Granular effervescent salt. 46,450, Sept. 19, 1905. Republished Jan. 22. Class 18.
Emerson Drug Company of Baltimore City, The: *See*—
Emerson Drug Company.
Employers Overload Service: *See*—
Miller, Robert B.
Emporium World Millinery Co., Chicago, Ill. Ladies' hats. 553,937, Jan. 22; Serial No. 606,517, published Oct. 23, 1951. Class 39.
Enterprise Aluminum Company, The, Massillon, Ohio. Metal canisters. 292,372, renewed Mar. 15, 1952. O. G. Jan. 22. Class 2.
Epstein, H. W., Corporation, New York, N. Y. Ladies' underwear. 554,012, Jan. 22; Serial No. 609,438, published Oct. 23, 1951. Class 39.
Everlast Blackboard Manufacturing Company, Temple, Tex. Blackboards. 554,103, Jan. 22; Serial No. 595,879. Class 50.
Faber, A. W., Stein and Berlin, Germany, to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J. Lead pencils, colored pencils, copying pencils, etc. 85,852, re-renewed Mar. 26, 1952. O. G. Jan. 22. Class 37.
Faber-Castell, A. W., Pencil Co., Inc.: *See*—
Faber, A. W.
Fairfield Glove Co., Fairfield, Iowa. Gloves. 553,833, Jan. 22; Serial No. 594,705, published Oct. 23, 1951. Class 39.
Fair View Packing Company, Inc., Hollister, Calif. Canned tomato puree. 554,043, Jan. 22; Serial No. 611,567, published Oct. 30, 1951. Class 46.
Falstaff Brewing Corporation: *See*—
Lemp, Wm. J., Brewing Co.
Fear, Fred, & Co., Brooklyn, N. Y. Dyes. 288,643, renewed Nov. 3, 1951. O. G. Jan. 22. Class 6.
Fear, Fred, & Co., to Fred Fear & Co., Brooklyn, N. Y. Table syrups and food flavoring extracts. 288,971, renewed Nov. 10, 1951. O. G. Jan. 22. Class 46.
Fear, Fred, & Co., by merger with Burton-Morrow Company, Inc., Brooklyn, N. Y., and elsewhere. Flavoring extracts. 553,744, Jan. 22; Serial No. 576,397, published Sept. 25, 1951. Class 46.
Feedstuffs Processing Company, Oakland, Calif. Vitamin concentrate. 553,713-14, Jan. 22; Serial Nos. 560,327-8, published Sept. 4, 1951. Class 18.
Feldman, Charles L.: *See*—
Bowers, Edward C., and C. L. Feldman.
Ferguson, Edgar A., Brooklyn, N. Y. Digitoxin preparations. 553,832, Jan. 22; Serial No. 594,373, published Sept. 25, 1951. Class 18.
Firidolfi, Bettino R., doing business as Casa Vinicola Barone Ricasoli, Firenze, Italy. Wines. 444,648, Jan. 22; Serial No. 514,325, published Oct. 2, 1951. Class 47.
Fitger Brewing Company, Duluth, Minn. Beer. 554,113, Jan. 22; Serial No. 603,187. Class 48.
Flock, Emanuel, doing business as Lovely Yarn Company, Philadelphia, Pa. Yarn. 553,790, Jan. 22; Serial No. 586,595, published Oct. 23, 1951. Class 43.
Flour Mills of America, Inc., doing business as Valier & Spies Milling Company, Kansas City, and St. Louis, Mo. Wheat flour. 554,069, Jan. 22; Serial No. 532,392. Class 46.
Flour Mills of America, Inc., doing business under the name and style of Valier & Spies Milling Company, Kansas City and St. Louis, Mo. Wheat flour. 554,073, Jan. 22; Serial No. 552,548. Class 46.
Foley & Company, Chicago, Ill. Throat lozenges. 553,880, Jan. 22; Serial No. 599,868, published Sept. 25, 1951. Class 18.
Fontaine Perfume Corporation, New York, N. Y. Perfume, toilet water, eau de cologne. 554,088, Jan. 22; Serial No. 578,582. Class 51.
Foregger Company, Inc., The, Roslyn Heights, N. Y. Inhalers, passenger inhalers, anesthesia and gas-tables, etc. 553,801, Jan. 22; Serial No. 589,153, published Sept. 18, 1951. Class 44.
Fort Schuyler Knitted Company, Utica, N. Y. Men's knitted underwear and T shirts, knitted undershirts, etc. 553,743, Jan. 22; Serial No. 576,258, published Nov. 14, 1950. Class 39.

Foxboro Company, The, Foxboro, Mass. Record charts for temperature-recording instruments and the like. 553,865, Jan. 22; Serial No. 598,176, published Oct. 23, 1951. Class 26.

Funk, Cassimir, Laboratories, Inc., New York, N. Y. Pharmaceutical preparation. 553,763, Jan. 22; Serial No. 582,283, published Sept. 18, 1951. Class 18.

Funsten Company: *See*
Funsten, James J.

Funsten, James J., doing business as Funsten Company, San Francisco, Calif. Canned salmon, tuna, crab, etc. 553,697, Jan. 22; Serial No. 538,392, published Oct. 30, 1951. Class 46.

Garden City Plating & Manufacturing Co., Chicago, Ill. Lighting fixtures. 553,882, Jan. 22; Serial No. 600,043, published Sept. 18, 1951. Class 34.

Gateway Baking Company, Fort Smith, Ark., by Campbell Taggart Associated Bakeries, Inc., Dallas, Tex. Bread. 344,557, Mar. 30, 1937. Republished Jan. 22, 1952. Class 46.

Gemmer Manufacturing Company, Detroit, Mich. Steering gears. 553,916, Jan. 22; Serial No. 604,965, published Oct. 30, 1951. Class 19.

General American Transportation Corporation, Chicago, Ill. Railway freight cars. 554,013, Jan. 22; Serial No. 609,444, published Oct. 16, 1951. Class 19.

General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 285,787, renewed Aug. 4, 1951. O. G. Jan. 22. Class 6.

General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 287,132, renewed Sept. 15, 1951. O. G. Jan. 22. Class 6.

General Dyestuff Corporation, New York, N. Y. Washing and scouring agent. 291,215, renewed Feb. 2, 1952. O. G. Jan. 22. Class 52.

General Time Corporation, New York, N. Y., and Thomaston, Conn. Clocks. 553,803, Jan. 22; Serial No. 589,846, published Mar. 13, 1951. Class 27.

Georgia Iron Works Company, Augusta, Ga. Nickel chromium alloy cast iron. 553,797, Jan. 22; Serial No. 588,859, published Aug. 21, 1951. Class 14.

Gerber Products Company, Fremont, Mich. Breakfast cereal preparations. 553,808, Jan. 22; Serial No. 590,744, published Nov. 6, 1951. Class 46.

Gerban, A. B., doing business as Pegmar Products Company, San Francisco, Calif., by The S. O. S. Company, Chicago, Ill. Hand scrapers. 420,371, Apr. 9, 1946. Republished Jan. 22, 1952. Class 23.

Gilman Paint and Varnish Company, Chattanooga, Tenn. Putty. 554,093, Jan. 22; Serial No. 584,058. Class 12.

Glidden Company, The: *See*
Van Camp Packing Co., Incorporated, The.

Gluvtex Corporation, New York, N. Y. Ladies' and misses' slips, bloomers, panties, etc. 553,993, Jan. 22; Serial No. 608,702, published Oct. 23, 1951. Class 39.

Goltsmann, Ben R., Ltd., Montgomery, Ala. Wines. 553,850, Jan. 22; Serial No. 596,840, published Oct. 2, 1951. Class 47.

Goodenow-Morley Company, Oklahoma City, Okla. Water or waterless hand cleaning preparation. 553,959, Jan. 22; Serial No. 607,588, published Sept. 11, 1951. Class 52.

Good Luck Glove Company, Carbondale, Ill. Men's work gloves. 553,690, Jan. 22; Serial No. 529,004, published Mar. 14, 1950. Class 39.

Gosman Company, The, Baltimore, Md. Maltless soft drinks and carbonated waters. 554,131, Jan. 22; Serial No. 610,965. Class 45.

Gould, Geo. H., Company, Incorporated, Louisville, Ky. Whiskey. 553,732, Jan. 22; Serial No. 570,415, published Sept. 25, 1951. Class 49.

Granat Bros., San Francisco, Calif. Finger rings. 553,947, Jan. 22; Serial No. 607,218, published Sept. 4, 1951. Class 28.

Gravymaster Company, Inc., Long Island City, N. Y. Vegetable seasoning. 553,941, Jan. 22; Serial No. 606,607, published Sept 25, 1951. Class 46.

Greene-Wolf Co. Incorporated, The, Brooklyn, N. Y. Metal piping, metal tubing, valves, etc. 553,694, Jan. 22; Serial No. 531,788, published Oct. 30, 1951. Class 13.

Green Giant Company, Le Sueur, Minn. Frozen peas. 554,026, Jan. 22; Serial No. 610,213, published Oct. 30, 1951. Class 46.

Grimberg, John, New York, to L. S. Grimberg, Rochester, N. Y. Garment hangers. 290,369, renewed Jan. 5, 1952. O. G. Jan. 22. Class 50.

Grimberg, Lydia S.: *See*
Grimberg, John.

H & H Distributing Company, Inc., Chicago, Ill., Whiskey. 553,911, Jan. 22; Serial No. 604,200, published Oct. 2, 1951. Class 49.

Haan, R. M., Candy Co., Inc., The, Long Island City, N. Y. Chocolates and bonbons. 553,922, Jan. 22; Serial No. 605,584, published Oct. 2, 1951. Class 46.

Haase, Wilbert W., Co., Forest Park, Ill. Burial vaults. 553,868, Jan. 22; Serial No. 598,723, published Oct. 30, 1951. Class 2.

Hahn Department Stores, Inc., Wilmington, Del., by Allied Stores Corporation, New York, N. Y. Toilet preparations and drugs. 295,115-16, June 21, 1932. Republished Jan. 22. Classes 6, 18, and 51.

Hand, Charles J., trading as The Brazilian Yerbama Co., London, England. Herbal preparation. 553,792, Jan. 22; Serial No. 586,970, published Sept. 4, 1951. Class 18.

Handmacher-Vogel, Inc., New York, N. Y. Skirts, women's jackets and women's hats. 553,814, Jan. 22; Serial No. 591,926, published Oct. 22, 1951. Class 39.

Handy, H. L., Company: *See*
Swift & Company.

Harley-Davidson Motor Co., Milwaukee, Wis. Motorcycles and frame and fork parts. 553,943, Jan. 22; Serial No. 606,921, published Oct. 22, 1951. Class 19.

Har-Mar Feed Service: *See*
Harper & Martin.

Harper & Martin, also doing business as Har-Mar Feed Service, Cromwell, Ind. Cattle and hog feeds. 553,960, Jan. 22; Serial No. 607,590, published Nov. 6, 1951. Class 46.

Harvey Co., The, Nashville, Tenn. Wearing apparel. 553,716, Jan. 22; Serial No. 561,374, published Oct. 23, 1951. Class 39.

Hawaiian Tuna Packers, Limited, Honolulu and Kewalo Basin, Honolulu, Territory of Hawaii. Canned tuna. 553,955-6, Jan. 22; Serial Nos. 607,500-01, published Oct. 9, 1951. Class 46.

Hearst Consolidated Publications, Inc.: *See*
New York Evening Journal Publishing Company.

Heilbro Pharmacal Company: *See*
Heilpern, Sol.

Heilpern, Sol, doing business under the trade name Heilbro Pharmacal Company, White Plains, N. Y. Vitamin preparation. 553,946, Jan. 22; Serial No. 607,126, published Sept. 11, 1951. Class 18.

Heintz Manufacturing Company, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Chemical substances. 553,799, Jan. 22; Serial No. 589,091, published Nov. 6, 1951. Class 6.

Helix Corporation, Crown Point, Ind. Farm wagons. 553,844, Jan. 22; Serial No. 595,838, published Oct. 2, 1951. Class 19.

Henny Penny, Inc., Salt Lake City, Utah. Packaged turkey portions. 553,878, Jan. 22; Serial No. 599,828, published Oct. 30, 1951. Class 46.

Henry, Clarence E., Pasco, Wash. Medicine, namely, an antacid preparation. 553,942, Jan. 22; Serial No. 606,610, published Sept. 18, 1951. Class 18.

Hesperi Company: *See*
Orpro Food Products Company, Inc.

Heyden Chemical Corporation, New York, N. Y. Polymers of formaldehyde. 554,027, Jan. 22; Serial No. 610,268, published Nov. 6, 1951. Class 6.

Higgins, Charles H., Pearl River, N. Y. Preservative for wood fence posts. 554,121, Jan. 22; Serial No. 606,663. Class 6.

Hill, Mariam, New Philadelphia, Ohio. Salve. 553,767, Jan. 22; Serial No. 582,730, published July 17, 1951. Class 18.

Hills Brothers Company, The, New York, N. Y. Canned pimientos. 292,249, renewed Mar. 8, 1952. O. G. Jan. 22. Class 46.

Hills Brothers Company, The, New York, N. Y. Meat sauce. 292,618, renewed Mar. 22, 1952. O. G. Jan. 22. Class 46.

Hindes Limited, Birmingham, England. Body friction brushes. 288,572, renewed Nov. 3, 1951. O. G. Jan. 22. Class 29.

Hinton, Albert C., Pittsburgh, Pa. Liniment. 553,771, Jan. 22; Serial No. 583,206, published Sept. 18, 1951. Class 18.

Hirsch-Weis Canvas Products Co.: *See*
White-Stage Manufacturing Corporation.

Hiscock, Earle F., Washington, D. C., and New York, N. Y. Flexible packets. 554,028, Jan. 22; Serial No. 610,269, published Nov. 6, 1951. Class 2.

Holeproof Hosiery Co., Milwaukee, Wis. Women's slips, gowns, panties, etc. 553,778, Jan. 22; Serial No. 584,453, published Oct. 30, 1951. Class 39.

Hortex Manufacturing Co., Inc., El Paso, Tex. Boys' slacks, overalls, overall union suits, jackets, etc. 553,845, Jan. 22; Serial No. 596,094, published Oct. 23, 1951. Class 39.

Horton & Converse, Los Angeles, Calif. Disinfectant, germicidal preparation. 553,774, Jan. 22; Serial No. 583,800, published Sept. 11, 1951. Class 18.

Houghton, E. F., & Co., Philadelphia, Pa. Leather belting. 291,994, renewed Mar. 1, 1952. O. G. Jan. 22. Class 35.

House Beautiful Curtains Inc., New York, N. Y. Window curtains, shower curtains, drapes, etc. 553,698, Jan. 22; Serial No. 542,131, published Nov. 23, 1948. Class 42.

House of Herbs, Inc., Salisbury, Conn. Food flavoring. 554,096, Jan. 22; Serial No. 589,447. Class 46.

Huff Canneries, Incorporated: *See*
Krlete, John E.

Huisking, Chas. L., & Co., Inc., Brooklyn, N. Y. Cod liver oil. 553,924, Jan. 22; Serial No. 605,792, published Sept. 4, 1951. Class 18.

Hustad, Hugo R., doing business as M-R Guide Company, Detroit, Mich. Mechanical calculating charts. 554,048, Jan. 22; Serial No. 613,111, published Oct. 23, 1951. Class 26.

Huttig Sash & Door Co., St. Louis, Mo. Liquid wood preservative. 553,907, Jan. 22; Serial No. 603,684, published Nov. 6, 1951. Class 6.

Idaho Canning Co. Ltd., Payette, Idaho. Canned corn. 553,695, Jan. 22; Serial No. 532,595, published Nov. 6, 1951. Class 46.

Ihle Manufacturing Company: *See*
Ihle, Orden E.

Ihle, Orden E., doing business under the fictitious firm name and style of Ihle Manufacturing Company, Glendale, Calif. Portable container and dispenser. 554,135, Jan. 22; Serial No. 613,593. Class 2.

Imperial Chemical (Pharmaceuticals) Limited, London, England. Veterinary medicines. 553,779, Jan. 22; Serial No. 584,814, published Sept. 4, 1951. Class 18.

Imperial Chemical (Pharmaceuticals) Limited, London and Millbank, London, England. Sulphones or a sulphone for the treatment of leprosy. 553,887, Jan. 22; Serial No. 600,959, published Sept. 4, 1951. Class 18.

Imperial Outfitters to Large Men, Inc., New York, N. Y. Men's outer shirts. 553,904, Jan. 22; Serial No. 603,117, published Sept. 18, 1951. Class 39.

Industrial Bag & Specialties, Inc., Detroit, Mich. Burlap, cloth and cotton bags, sacks, baskets, etc. 553,781, Jan. 22; Serial No. 585,026, published June 19, 1951. Class 2.

Interatlantic Trading Corp., New York, N. Y. Costume jewelry. 553,775, Jan. 22; Serial No. 584,124, published Sept. 4, 1951. Class 28.

International Distributing Export Co., Inc., New York, N. Y. Canned foods. 554,116, Jan. 22; Serial No. 603,956. Class 46.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic stokers and automatic stoker fired furnaces. 553,749, Jan. 22; Serial No. 578,856, published Oct. 16, 1951. Class 34.

Jackson-Mitchell Pharmaceuticals, Inc.: *See*
Special Milk Products, Inc.

Jacoby-Bender, Inc., New York, N. Y. Bracelets and watch bracelets. 553,972, Jan. 22; Serial No. 608,038, published Sept. 11, 1951. Class 28.

Jacoby-Bender, Inc., New York, N. Y. Bracelets and watch bracelets. 553,973, Jan. 22; Serial No. 608,040, published Sept. 11, 1951. Class 28.

Jefferson Island Salt Company, Louisville, Ky. Stock feeding salt. 553,796, Jan. 22; Serial No. 588,834, published Sept. 25, 1951. Class 46.

Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Metal valves. 553,736-8, Jan. 22; Serial Nos. 573,038-40, published Oct. 30, 1951. Class 13.

Jenkins, George O., Company, Bridgewater, Mass. Leatherboard. 292,677, renewed Mar. 22, 1952. O. G. Jan. 22. Class 50.

Jiffy Manufacturing Company, Hillside, N. J. Insulated paper bags. 554,109, Jan. 22; Serial No. 601,399. Class 2.

Johns-Manville Corporation, New York, N. Y. Acoustic material. 290,530, renewed Jan. 5, 1952. O. G. Jan. 22. Class 12.

Johnson, Cyril, Woolen Company, The, Stafford Springs, Conn. Piece goods. 553,871, Jan. 22; Serial No. 599,000, published Oct. 23, 1951. Class 42.

Johnson-March Corporation, The, Philadelphia, Pa. Wetting agents. 553,804, Jan. 22; Serial No. 590,022, published Nov. 6, 1951. Class 6.

Johnson, S. C., & Son, Inc., Racine, Wis. Furniture polish. 554,014, Jan. 22; Serial No. 609,582, published Oct. 16, 1951. Class 4.

Jones, James P., doing business as Tropical Beverage Co., Bandera, Tex. Non-alcoholic maltless soft-drink. 554,072, Jan. 22; Serial No. 547,733. Class 45.

Jones, Paul, and Company, Inc., Baltimore, Md. Alcoholic beverages. 553,989-90, Jan. 22; Serial Nos. 608,608-09, published Oct. 9, 1951. Class 49.

Jones, Paul, and Company, Inc., Baltimore, Md. Alcoholic beverages. 554,019, Jan. 22; Serial No. 609,803, published Oct. 9, 1951. Class 49.

Katzenberg, J., & Co., Baltimore, Md. Cotton housedresses, maids', waitresses', and nurses' cotton uniforms, cotton bloomer-legged gymnasium suits and shorts, etc. 553,915, Jan. 22; Serial No. 604,850, published Oct. 23, 1951. Class 39.

Kaylon Incorporated, New York, N. Y. Men's, women's and children's pajamas, pajama coats, beach coats, and bath robes. 553,758, Jan. 22; Serial No. 581,266, published Oct. 9, 1951. Class 39.

Keeney Manufacturing Company, The, Newington, Conn. Automatic air vents. 553,909, Jan. 22; Serial No. 604,097, published Oct. 30, 1951. Class 13.

Kennedy, Gerhard, Winnipeg, Manitoba, Canada. Men's and women's trousers, overalls, coats, etc. 553,722, Jan. 22; Serial No. 564,691, published Sept. 4, 1951. Class 39.

Kent-Moore Organization, Inc., Detroit, Mich. Ducts and connecting hose assembly. 553,785, Jan. 22; Serial No. 585,482, published Oct. 16, 1951. Class 34.

Keystone Mfg. Co., Dorchester and Boston, Mass. Motion picture cameras. 553,890, Jan. 22; Serial No. 601,325, published Mar. 27, 1951. Class 26.

Kina Rok, Charenton, Seine, France. Aperitive wine. 553,720, Jan. 22; Serial No. 563,068, published Oct. 9, 1951. Class 47.

Kingsboro Silk Mills, Inc.: *See*
Somarco, Lucile, Brassiere, The.

Kinney and Company, Columbus, Ind. Preparation containing acid and sugar. 553,912, Jan. 22; Serial No. 604,372, published Sept. 18, 1951. Class 18.

Kleenette Mfg. Co., assignee: *See*
Zimmer, Kurt W.

Knapp-Monarch Company, Belleville, Ill., to Knapp-Monarch Company, St. Louis, Mo. Electric toasters. 291,276, renewed Feb. 9, 1952. O. G. Jan. 22. Class 21.

Knapp-Monarch Company, Belleville, Ill., to Knapp-Monarch Company, St. Louis, Mo. Electrical heating elements. 292,620, renewed Mar. 22, 1952. O. G. Jan. 22. Class 21.

Kraft Foods Company, Chicago, Ill. Cheese. 553,834, Jan. 22; Serial No. 594,849, published Oct. 30, 1951. Class 46.

Krlete, John E., Dunnsville, by Huff Canneries, Incorporated, Roanoke, Va. Canned fruits and vegetables. 51,080, Apr. 3, 1906. Republished Jan. 22,. Class 46.

Laboratory Industries, Inc., Chicago, Ill. Laboratory clamps. 554,036, Jan. 22; Serial No. 610,982, published Nov. 6, 1951. Class 26.

Lancaster Wholesale Grocery Company, Incorporated, The, Lancaster, Pa. Table syrup. 553,966, Jan. 22; Serial No. 607,758, published Oct. 2, 1951. Class 46.

Lane-Wells Company, Los Angeles, Calif. Technical services in the oil fields. 554,062, Jan. 22; Serial No. 579,985, published Oct. 30, 1951. Class 103.

Latrobe Electric Steel Company, Latrobe, Pa. High speed steel. 553,951, Jan. 22; Serial No. 607,335, published Nov. 6, 1951. Class 14.

Lavino, E. J., and Company, Philadelphia, Pa. Ground chrome ore. 554,119, Jan. 22; Serial No. 606,150. Class 1.

Lear, Incorporated, Grand Rapids, Mich. Radio direction finding equipment. 554,049-50, Jan. 22; Serial No. 613,175-6, published Oct. 23, 1951. Class 26.

Lebow, Victor, New York, N. Y. Brassières. 554,032, Jan. 22; Serial No. 610,626, published Oct. 30, 1951. Class 39.

Leeman, Stephen, Products Company, West Nyack and Teaberryport, West Nyack, N. Y. Fruit cake and flavor sugars. 553,975, Jan. 22; Serial No. 608,074, published Sept. 18, 1951. Class 46.

Leggett, Francis H., & Company, New York, N. Y. Cooking wine. 553,967, Jan. 22; Serial No. 607,820, published Oct. 16, 1951. Class 47.

Lemp, Wm. J., Brewing Co., to Falstaff Brewing Corporation, St. Louis, Mo. Beer. 37,901, re-renewed Mar. 4, 1952. O. G. Jan. 22. Class 48.

Levinsohn Bros. & Co., Inc., New York, N. Y. Men's and boys' coats, trousers, vests, etc. 218,052, Sept. 21, 1926. Republished Jan. 22. Class 39.

Levinsohn Bros. & Co., Inc., New York, N. Y. Woolen cloth, and mixed wool and cotton cloth. 357,169, May 24, 1938. Republished Jan. 22. Class 42.

Levinsohn Bros. & Co., Inc., New York, N. Y. Woolen cloth piece goods, and mixed wool and cotton cloth piece goods. 363,213, Dec. 13, 1938. Republished Jan. 22. Class 42.

Levinsohn Bros. & Co., Inc., New York, N. Y. Men's overcoats and topcoats and boys' overcoats and topcoats. 392,178, Dec. 16, 1941. Republished Jan. 22. Class 39.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Window glass, plate glass, laminated safety glass, etc. 554,075, Jan. 22; Serial No. 553,966. Class 33.

Liberty Trouser & Overall Co., Birmingham, Ala. Slacks. 553,815, Jan. 22; Serial No. 591,936, published Oct. 9, 1951. Class 39.

Lightning Fastener Co. Limited, St. Catharines, Ontario, Canada. Slide fasteners. 554,047, Jan. 22; Serial No. 612,333, published Oct. 30, 1951. Class 13.

Lincoln, Joseph, Manufacturing Company, Inc., Covington, Ohio. Hat covers. 553,729, Jan. 22; Serial No. 567,866, published Oct. 9, 1951. Class 39.

Lindsey-Robinson & Company, Inc., Roanoke, Va. Poultry and livestock feeds. 553,752, Jan. 22; Serial No. 579,504, published Sept. 25, 1951. Class 46.

Lindsey-Robinson & Company, Inc., Roanoke, Va. Poultry and livestock feeds and dairy rations. 553,905, Jan. 22; Serial No. 603,245, published Oct. 2, 1951. Class 46.

Lindt & Sprungli, Inc., New York, N. Y. Chocolate candy. 553,938, Jan. 22; Serial No. 606,533, published Oct. 2, 1951. Class 46.

Liquid Veneer Corporation: *See*
Buffalo Specialty Manufacturing Company.

Little, M. S., Manufacturing Company, The, Hartford, Conn. Traps, sink wastes and sink strainers. 553,857, Jan. 22; Serial No. 597,153, published Oct. 30, 1951. Class 13.

Lockheed Aircraft Corporation, Burbank, Calif. Detachable external cargo containers for attachment to airplanes. 553,699, Jan. 22; Serial 542,774, published Oct. 9, 1951. Class 19.

Lovely Yarn Company: *See*
Flock, Emanuel.

Lowe, Joe, Corporation, New York, N. Y. Footballs, beach balls, baseballs, etc. 553,756, Jan. 22; Serial No. 580,069, published Oct. 3, 1950. Class 22.

Lowe, Joe, Corporation, New York, N. Y. Wooden handle sticks. 553,757, Jan. 22; Serial No. 580,072, published Sept. 19, 1950. Class 13.

M-R Guide Company: *See*—
Hustad, Hugo R.

MacDonald Metals, Inc., Worcester, Mass. Sponge type of scouring pad. 554,108, Jan. 22; Serial No. 599,574. Class 4.

Magidiz Co., The, San Francisco, Calif. Dyes and dressings. 553,884, Jan. 22; Serial No. 600,222, published Nov. 6, 1951. Class 6.

Majestic Metal Specialties, Inc., New York, N. Y. Mirror and lipstick container combination. 553,753, Jan. 22; Serial No. 579,696, published Oct. 23, 1951. Class 2.

Majthenyi's Food Corp., Roosevelt, N. Y. Meat and vegetable aspics. 553,851, Jan. 22; Serial No. 596,856, published Sept. 18, 1951. Class 46.

Maltbie Chemical Company, The: *See*—
Maltbie Laboratories, Inc.

Maltbie Laboratories, Inc., Newark, N. J., by change of name from The Maltbie Chemical Company. Preparation for the treatment of chronic and acute coughs. 553,725, Jan. 22; Serial No. 566,350, published Sept. 18, 1951. Class 18.

Manning Abrasive Company Inc., by Behr-Manning Corporation, Troy, N. Y. Abrasive or grinding belts. 132,453, June 22, 1920. Republished Jan. 22. Class 4.

Manning Sand Paper Company, Watervliet, by Behr-Manning Corporation, Troy, N. Y. Abrasive paper and cloth. 97,431, June 2, 1914. Republished Jan. 22. Class 4.

Manning Sand Paper Company, Watervliet, by Behr-Manning Corporation, Troy, N. Y. Abrasive paper and cloth. 97,433, June 2, 1914. Republished Jan. 22. Class 4.

Mantle Lamp Company of America, The, Chicago, Ill., now by change of name Aladdin Industries, Incorporated. Incandescent mantles and chimneys. 553,706, Jan. 22; Serial No. 554,317, published July 10, 1951. Class 34.

Manufactures de Produits Chimiques du Nord Etablissements Kuhlmann: *See*—
Compagnie Nationale de Materes Colorantes et Manufactures de Produits Chimiques du Nord Reunies Etablissements Kuhlmann.

Marshall, H. Hall, doing business as Consultants' Laboratories of New Jersey, Millington, N. J. Powdered medicament. 553,766, Jan. 22; Serial No. 582,669, published Sept. 4, 1951. Class 18.

Martin, William F., doing business as Rustnot Laboratories, Baltimore, Md. Chemical rust inhibitor. 554,080, Jan. 22; Serial No. 568,384. Class 6.

Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y. Candies. 553,902, Jan. 22; Serial No. 603,016, published Oct. 16, 1951. Class 46.

Master Artist Materials, Inc., New York, N. Y. Posable manikins. 554,111, Jan. 22; Serial No. 602,269. Class 50.

May Department Stores Company, The, St. Louis, Mo. Blankets. 302,538, Apr. 25, 1933. Republished Jan. 22. Class 42.

May Department Stores Company, The, St. Louis, Mo. De luxe and imperial curtains. 373,547, Dec. 12, 1939. Republished Jan. 22, 1952. Class 42.

May Department Stores Company, The, St. Louis, Mo. Infants' and children's dresses, coats, jackets, etc. 374,178, Jan. 2, 1940. Republished Jan. 22. Class 39.

May Department Stores Company, The, St. Louis, Mo. Dressed and undressed dolls. 374,253, Jan. 2, 1940. Republished Jan. 22. Class 22.

Maybelline Co., Chicago, Ill. Mascara, eyebrow pencils, eye shadow, etc. 554,011, Jan. 22; Serial No. 609,248, published Oct. 2, 1951. Class 51.

Mayer, Oscar, & Company, Chicago, Ill. Smoked meats, sausage, boiled ham, etc. 361,936, Nov. 8, 1938. Amended. O. G. Jan. 22. Class 46.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Emulsion-like liquid preparation. 553,726, Jan. 22; Serial No. 566,629, published Sept. 25, 1951. Class 18.

Mead Corporation, The, Dayton, Ohio. Printing paper. 288,015, renewed Oct. 20, 1951. O. G. Jan. 22. Class 37.

Mead Corporation, The, Dayton, Ohio. Book printing paper. 290,509, renewed Jan. 5, 1952. O. G. Jan. 22. Class 37.

Meat Industry Suppliers, Inc., Chicago, Ill. Sausage binder. 553,964, Jan. 22; Serial No. 607,713, published Oct. 30, 1951. Class 46.

Mercantile Paper Company, Inc., Montgomery, Ala. Envelopes, writing-paper, lead-pencils, etc. 82,803, renewed Aug. 1, 1951. O. G. Jan. 22. Class 37.

Middleby, Joseph, Jr., Inc.: *See*—
Middleby, Jos., Jr., Inc.

Middleby, Jos., Jr., Inc., to Joseph Middleby, Jr., Inc., Boston, Mass. Pie fillings. 85,463, re-renewed Feb. 20, 1952. O. G. Jan. 22. Class 46.

Middleby, Joseph, Jr. Inc., Boston, Mass. Fruit jelly, bread mixes, moist type and powdered fruit fillings, etc. 553,708, Jan. 22; Serial No. 554,995, published Oct. 2, 1951. Class 46.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper. 554,087, Jan. 22; Serial No. 578,275. Class 37.

Miller, Robert B., doing business as Employers Overload Service, Minneapolis, Minn. Employment services. 554,136, Jan. 22; Serial No. 576,589. Class 101.

Mobar Corporation, Mineral Point, Mo. Ground barytes. 553,816, Jan. 22; Serial No. 592,508, published Oct. 16, 1951. Class 1.

Modern Packagings, Dallas, Tex. Designing of gift wrappings and advisory and consultation services in gift wrapping. 554,065, Jan. 22; Serial No. 605,044, published Oct. 30, 1951. Class 100.

Mohawk Containers, Inc., New Hartford, N. Y. Corrugated paper shipping boxes. 553,901, Jan. 22; Serial No. 602,905, published Oct. 23, 1951. Class 2.

Mohawk Rubber Company, The, Akron, Ohio. Natural or synthetic rubber. 553,734, Jan. 22; Serial No. 570,873, published Nov. 6, 1951. Class 35.

Moj Products Corporation: *See*—
Wilson-Simon Foods, Inc.

Monarch Manufacturing Company, Milwaukee, Wis. Outerwear. 553,952, Jan. 22; Serial No. 607,338, published Oct. 23, 1951. Class 39.

Monarch Wine Company of Georgia, Atlanta, Ga. Wines. 553,918, Jan. 22; Serial No. 605,320, published Oct. 2, 1951. Class 47.

Monarch Wine Co. of Georgia, Atlanta, Ga. Wines. 553,919, Jan. 22; Serial No. 605,321, published Oct. 2, 1951. Class 47.

Monark Silver King, Inc., Chicago, Ill. Bicycles. 553,746, Jan. 22; Serial No. 577,221, published Oct. 16, 1951. Class 19.

Monte Vista Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

Morning Milk Company, Wellsville, Utah, and Los Angeles, Calif. Evaporated milk. 553,824, Jan. 22; Serial No. 593,432, published Oct. 23, 1951. Class 46.

Moses, Harold, assignee: *See*—
Paragon Hat Company.

Moyer, Walter W., Company, Ephrata, Pa. Men's, women's, and children's underwear. 554,002, Jan. 22; Serial No. 608,940, published Oct. 23, 1951. Class 39.

Munsey, Frank A., Company, to Popular Publications, Inc., New York, N. Y. Weekly magazine. 289,807, renewed Dec. 8, 1951. O. G. Jan. 22. Class 38.

Murgatroyd, Leslie, doing business as Perma-Knot Tie Company, Williamsville, N. Y. Pre-tied necktles and bow ties. 553,948, Jan. 22; Serial No. 607,260, published Oct. 9, 1951. Class 39.

Murray, Arthur, Inc., New York, N. Y. Instruction in dancing. 554,061, Jan. 22; Serial No. 563,865, published Oct. 30, 1951. Class 107.

Nachman, L., & Son, Inc., Philadelphia, Pa. Women's and misses' textile aprons. 553,692, Jan. 22; Serial No. 531,355, published Oct. 23, 1951. Class 39.

Nash-Kelvinator Corporation, Detroit, Mich., and Kenosha, Wis. Automobiles, structural parts therefor. 553,862, Jan. 22; Serial No. 597,894, published Oct. 16, 1951. Class 19.

National Arborist Association, Incorporated, Wooster, Ohio. Arboricultural services. 554,067, Jan. 22; Serial No. 606,079, published Nov. 6, 1951. Class 100.

National Chinchilla Breeders of America, Incorporated, Salt Lake City, Utah. Services rendered to breeders of live chinchillas. 554,064, Jan. 22; Serial No. 599,576, published Oct. 30, 1951. Class 100.

National Dairy Products Corporation, New York, N. Y. Flavored milk beverage. 554,009, Jan. 22; Serial No. 609,187, published Oct. 9, 1951. Class 46.

National Foam System, Inc., West Chester, Pa. Fire-extinguishing chemicals and compositions. 554,029, Jan. 22; Serial No. 610,329, published Nov. 6, 1951. Class 6.

National Radiator Company, The: *See*—
National Radiator Corporation.

National Radiator Corporation, by The National Radiator Company, Johnstown, Pa. Heating radiators and convectors. 290,837, Jan. 19, 1932. Republished Jan. 22. Class 34.

National Sanding Machine Company, Chicago, Ill., by Behr-Manning Corporation, Troy, N. Y. Sandpaper. 214,079, June 15, 1926. Republished Jan. 22. Class 4.

National Toilet Company, Paris, Tenn. Liquid cleanser, face powder, cleansing cream, etc. 292,286, renewed Mar. 8, 1952. O. G. Jan. 22. Class 51.

Nesco, Inc., Chicago, Ill., assignee of Pila-Pail Co., Inc. Rubber garbage pails. 553,740, Jan. 22; Serial No. 573,335, published Oct. 23, 1951. Class 2.

Nestle-Le Mur Company, The, New York, N. Y. Tints and dyes for the hair. 554,106, Jan. 22; Serial No. 598,744. Class 51.

Newman, L., & Sons, Incorporated, New Haven, Conn. Corsets, girdles, and brassières. 553,826, Jan. 22; Serial No. 593,608, published Sept. 19, 1950. Class 39.

New York Evening Journal Publishing Company, to Hearst Consolidated Publications, Inc., New York, N. Y. Periodical publication. 84,662, re-renewed Dec. 26, 1951. O. G. Jan. 22. Class 38.

New York Evening Journal Publishing Company, to Hearst Consolidated Publications, Inc., New York, N. Y. Periodical publication. 84,664, re-renewed Dec. 26, 1951. O. G. Jan. 22. Class 38.

Nion Corporation, Los Angeles, Calif. Preparation for the treatment of peptic ulcers. 553,843, Jan. 22; Serial No. 595,794, published Sept. 11, 1951. Class 18.

Northrup, King & Co., Minneapolis, Minn. Clover seed. 554,129, Jan. 22; Serial No. 610,796. Class 1.

No Slip Company, Des Moines, Iowa. Product in powder form for applying to the underside of a rug or pad. 554,134, Jan. 22; Serial No. 612,410. Class 6.

Nutrition Products Corporation, South Pasadena, Calif. Vitamin and mineral tablets, etc. 553,896, Jan. 22; Serial No. 602,211, published Sept. 18, 1951. Class 18.

O'Connor & Keeler Laboratories, Inc., Dallas, Tex. Electronic instruments for measuring and indicating electrical impulses of the human body. 554,082, Jan. 22; Serial No. 573,674. Class 44.

Ogush, William B., Inc., New York, N. Y. Watches, watch cases and watch movements. 553,773, Jan. 22; Serial No. 583,611, published Mar. 13, 1951. Class 27.

Old Fashion Ma's Root Beer Bottling Company, by Isaac and Barnett Rothstein, Wilkes-Barre, Pa. Nonalcoholic, noncereal, maltless beverages. 415,105, July 10, 1945. Republished Jan. 22. Class 45.

Old Fashion Ma's Root Beer Bottling Company, by Isaac and Barnett Rothstein, Wilkes-Barre, Pa. Nonalcoholic, noncereal, maltless beverages. 417,147, Oct. 16, 1945. Republished Jan. 22. Class 45.

Old Joe Distillery Company, The, Lawrenceburg, Ky. Whiskey. 553,770, Jan. 22; Serial No. 583,111, published Aug. 28, 1951. Class 49.

Olympia Brewing Company, Olympia, Wash. Dried brewer's yeast. 554,110, Jan. 22; Serial No. 601,998. Class 46.

Onyx Ladies Underwear Inc., New York, N. Y. Nightgowns, sleeping pajamas, slips and half slips. 553,991, Jan. 22; Serial No. 608,669, published Oct. 23, 1951. Class 39.

Orkil, Incorporated: *See*—
Cutaway Harrow Company, The.

Orpro Food Products Company, Inc., doing business under the name Hesperi Company, Los Angeles, Calif. Laxative. 553,723, Jan. 22; Serial No. 564,782, published Sept. 11, 1951. Class 18.

Ottens, Henry H., to Henry H. Ottens Mfg. Co., Inc., Philadelphia, Pa. Coatings for chocolate and confectionery. 37,807, re-renewed Feb. 18, 1952. O. G. Jan. 22. Class 46.

Ottens, Henry H., Mfg. Co., Inc.: *See*—
Ottens, Henry H.

Outlet Company, The, Providence, R. I. Young men's clothing. 553,891, Jan. 22; Serial No. 601,520, published Oct. 23, 1951. Class 39.

Ozark Farm Agency: *See*—
Risley, Charles C.

Ozark-Mahoning Company, Tulsa, Okla. Sodium sulfate, sulfuric acid, hydrochloric acid, etc. 554,030, Jan. 22; Serial No. 610,332, published Nov. 6, 1951. Class 6.

Pacific Fruit & Produce Co.: *See*—
Pacific Gamble Robinson Company.

Pacific Gamble Robinson Company, doing business as Pacific Fruit & Produce Co., Seattle, Wash. Fresh vegetables. 553,949, Jan. 22; Serial No. 607,297, published Oct. 2, 1951. Class 46.

Padre Vineyard Company, Los Angeles and Cucamonga, Calif. Wines. 553,839, Jan. 22; Serial No. 595,393, published Sept. 4, 1951. Class 47.

Paragon Hat Company, assignor to Harold Moses, doing business as Paragon Hat Company, Chicago, Ill. Men's and boys' hats. 553,936, Jan. 22; Serial No. 606,484, published Oct. 23, 1951. Class 39.

Parfumerie Provencal, Inc., assignee: *See*—
Charles of the Ritz, Inc.

Parker Candy Company, Inc., Fall River, Mass. Packaged candy. 554,123, Jan. 22; Serial No. 607,298. Class 46.

Parkersburg Steel Company, The, Parkersburg, W. Va. Portable top-of-stove ovens. 553,821, Jan. 22; Serial No. 593,079, published Oct. 30, 1951. Class 13.

Parlam Corporation, New York, N. Y. Anti-malarial drugs. 553,847, Jan. 22; Serial No. 596,437, published Sept. 18, 1951. Class 18.

Peel and Campden Limited, London, England. Water proofing compound. 553,961, Jan. 22; Serial No. 607,600, published Nov. 6, 1951. Class 6.

Pegmar Products Company: *See*—
Gerhan, A. B.

Penick & Ford, Ltd., Incorporated, New York, N. Y. Corn oil. 553,906, Jan. 22; Serial No. 603,306, published Oct. 2, 1951. Class 46.

Pennsylvania Rubber Company, Jeannette, Pa. Rubber vehicle-tires. 85,483, re-renewed Feb. 20, 1952. O. G. Jan. 22. Class 35.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Heintz Manufacturing Company.

Perfex Company, The, Shenandoah, Iowa, now by change of name The Rapp-Ramsey Company. Laundry bleach. 553,793, Jan. 22; Serial No. 588,142, published Nov. 6, 1951. Class 6.

Perma-Knot Tie Company: *See*—
Murgatroyd, Leslie.

Peter Pan Foundations, Inc., New York, N. Y. Brassières. 554,033, Jan. 22; Serial No. 610,712, published Oct. 23, 1951. Class 39.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc. Antibiotic preparation. 553,874, Jan. 22; Serial No. 599,189, published Sept. 11, 1951. Class 18.

Phenix Manufacturing Company Inc., Milwaukee, Wis. Overhead doors, combination doors, screen windows, etc. 553,877, Jan. 22; Serial No. 599,778, published Sept. 25, 1951. Class 12.

Phi Kappa Tau Fraternity, The, Oxford, Ohio. Fraternity pins and badges. 287,744, renewed Oct. 6, 1951. O. G. Jan. 22. Class 28.

Phillips-Jones Corporation, New York, N. Y. Men's and boys' dress shirts, negligee shirts, work shirts, etc. 553,825, Jan. 22; Serial No. 593,547, published Oct. 9, 1951. Class 39.

Phillips-Jones Corporation, New York, N. Y. Men's, women's, boys' and girls' outer shirts and men's and boys' ties. 553,830, Jan. 22; Serial No. 594,062, published Oct. 9, 1951. Class 39.

Phyllis Originals, Inc., Providence, R. I. Chatelaines, ornamental pins, earrings, etc. 554,107, Jan. 22; Serial No. 599,341. Class 28.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 553,823, Jan. 22; Serial No. 593,287, published Sept. 18, 1951. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 553,846, Jan. 22; Serial No. 596,189, published Sept. 4, 1951. Class 18.

Pioneer Folding Box Company, Chicopee, Mass. Folding cardboard and paperboard boxes and cartons, and cut and scored blanks therefor. 554,044, Jan. 22; Serial No. 611,617, published Nov. 6, 1951. Class 2.

Pirrone, F., & Sons, Inc., Garfield, N. J. Wines. 553,795, Jan. 22; Serial No. 588,513, published Oct. 2, 1951. Class 47.

Planters Nut & Chocolate Co., Wilkes-Barre, Pa. Shelled salted peanuts. 553,895, Jan. 22; Serial No. 602,109, published Oct. 30, 1951. Class 46.

Plastron, Inc., New York, N. Y. Costume bags, garment bags, lingerie bags, etc. 424,920, Oct. 29, 1946. Republished Jan. 22. Class 2.

Plastron, Inc., New York, N. Y. Shower curtains. 444,204, Sept. 12, 1950. Republished Jan. 22. Class 42.

Plia-Pail Co., Inc.: *See*—
Nesco, Inc.

Pogue, J. E.: *See*—
Pogue, J. E., Packing House.

Pogue, J. E., Packing House, also doing business as J. E. Pogue, assignor to F. R. Berger, doing business as Earlibest Orange Assn., Lemon Cove, Calif. Fresh citrus fruits. 553,700, Jan. 22; Serial No. 543,742, published Nov. 6, 1911. Class 46.

Popper, Morson Company, New York, N. Y., assignee of Popper-Morson Corporation. Whiskey. 553,755, Jan. 22; Serial No. 579,943, published Aug. 28, 1951. Class 49.

Popper-Morson Corporation: *See*—
Popper Morson Company.

Popular Publications, Inc.: *See*—
Munsey, Frank A., Company.

Portco Corporation, Vancouver, Wash., and Portland, Oreg. Resin-impregnated paper-covered wire tires. 553,885, Jan. 22; Serial No. 600,848, published Oct. 23, 1951. Class 7.

Portland Shingle Co.: *See*—
Schmidt, Alfred H.

Posees, Inc., Jersey City, N. J. Adhesive tape. 552,872, Jan. 22; Serial No. 599,014, published Sept. 4, 1951. Class 5.

Powell, William, Company, The, Cincinnati, Ohio. Angle valves, globe valves and Y valves. 553,754, Jan. 22; Serial No. 579,890, published Oct. 30, 1951. Class 13.

Powers Regulator Company, The, Chicago, Ill. Hand and power operated dampers. 553,813, Jan. 22; Serial No. 591,799, published Sept. 18, 1951. Class 34.

Primrose House, Inc., Indianapolis, Ind. Cream shampoo. 553,962, Jan. 22; Serial No. 607,601, published Sept. 11, 1951. Class 52.

Prince, R., & Co.: *See*—
Walker, Alfred M.

Pully, Helen R., Jacksonville Beach, Fla. Men's, women's and children's shirts. 553,903, Jan. 22; Serial No. 603,079, published Oct. 9, 1951. Class 39.

Pure Oil Company, The, Chicago, Ill. Rear view mirrors for automotive vehicles. 554,021, Jan. 22; Serial No. 610,024, published Oct. 9, 1951. Class 19.

Quartararo, A. Ned, Brooklyn, N. Y. Frozen sea foods. 554,094, Jan. 22; Serial No. 587,616. Class 46.

Rad, Inc., Moline, Ill. Mechanical instrument. 553,748, Jan. 22; Serial No. 578,046, published Oct. 30, 1951. Class 26.

Radway & Co. Inc., New York, N. Y. Preparation for the treatment of dyspepsia, etc. 292,909, renewed Mar. 29, 1952. O. G. Jan. 22. Class 18.

Rapp-Ramsey Company, The: *See*—
Perfex Company, The.

Raybestos-Manhattan, Inc., Passaic, N. J. Non-jacketed plastic composition packing. 553,831, Jan. 22; Serial No. 594,234, published Nov. 6, 1951. Class 35.

Rayflex Fabrics, Inc., New York, N. Y. Woven elastic fabrics. 554,052, Jan. 22; Serial No. 613,651, published Oct. 23, 1951. Class 42.

Red Arrow Laboratories: *See*—
Southwestern Drug Corporation.

Reeves, B. M., Company, Inc., Brooklyn, N. Y. Edible olive oil. 553,994, Jan. 22; Serial No. 608,717, published Oct. 30, 1951. Class 46.

Reeves Instrument Corporation, New York, N. Y. Electronic analogue computers. 553,963, Jan. 22; Serial No. 607,683, published Oct. 16, 1951. Class 26.

Revere Copper and Brass Incorporated, New York, N. Y. Non-ferrous metals and alloys thereof. 292,770, renewed Mar. 29, 1952. O. G. Jan. 22. Class 14.

Rice Growers Association of California, Sacramento, Calif. Rice. 553,836, Jan. 22; Serial No. 594,995, published Oct. 23, 1951. Class 46.

Riegel Textile Corporation, New York, N. Y. Work gloves. 553,910, Jan. 22; Serial No. 604,161, published Oct. 23, 1951. Class 39.

Risley, Charles C., doing business as Ozark Farm Agency, Neosho, Mo. Real estate brokerage services. 554,138, Jan. 22; Serial No. 606,568. Class 102.

Rivoli Corset Co., Inc., New York, N. Y. Corsets. 393,115, Jan. 27, 1942. Republished Jan. 22. Class 39.

Rossi, Al: *See*—
Rossi, Albert.

Rossi, Albert, doing business as Al Rossi, Gilroy, Calif. Fresh vegetables. 553,971, Jan. 22; Serial No. 608,018, published Oct. 2, 1951. Class 46.

Rothstein, Barnett: *See*—
Old Fashion Ma's Root Beer Bottling Company.

Rothstein, Isaac: *See*—
Old Fashion Ma's Root Beer Bottling Company.

Royal Craftsmen Inc., New York, N. Y. Simulated pearls and ornaments for personal adornment. 554,007, Jan. 22; Serial No. 609,056, published Sept. 11, 1951. Class 28.

Rubenstein, J., & Sons, Jersey City, N. J. Kits including several items from the following list: Venetian blind cords, Venetian blind tapes, etc. 552,908, Jan. 22; Serial No. 603,896, published Oct. 16, 1951. Class 50.

Rustnot Laboratories: *See*—
Martin, William F.

Ruud Manufacturing Company, Pittsburgh, Pa. Hot water tanks, burners, inner and fire box liners, etc. 553,709, Jan. 22; Serial No. 558,322, published Aug. 7, 1951. Class 34.

S. O. S. Company, The: *See*—
Gerhan, A. B.

Saab, A. N., Co., Inc., New York, N. Y. Ladies' gowns, slips, panties, etc. 553,953, Jan. 22; Serial No. 607,354, published Oct. 23, 1951. Class 39.

Sabadi, A., and Co., Inc., New York, N. Y. Nut candy. 554,102, Jan. 22; Serial No. 595,281. Class 46.

Saino, F. L., Manufacturing Co., The, Memphis, Tenn. Composite fire doors. 553,900, Jan. 22; Serial No. 602,780, published Sept. 25, 1951. Class 12.

St. Regis Paper Company, New York, N. Y. Paper bags. 554,037, Jan. 22; Serial No. 611,241, published Nov. 6, 1951. Class 2.

Salant & Salant, Inc., New York, N. Y. Boys' outer shirts. 554,015, Jan. 22; Serial No. 609,605, published Oct. 9, 1951. Class 39.

Sales Affiliates, Inc., New York, N. Y. Neutralizing lotions. 554,098, Jan. 22; Serial No. 593,018. Class 51.

Sandusky Foundry & Machine Co., Sandusky, Ohio. Centrifugal castings. 553,913, Jan. 22; Serial No. 604,393, published July 17, 1951. Class 14.

Savoil, Inc., Atlanta, Ga. Antioxident preparation for addition to cooking oils and fats. 554,105, Jan. 22; Serial No. 597,702. Class 46.

Scenic Citrus Cooperative, Frostproof, Fla. Fresh citrus fruit and canned citrus fruit juices and blends thereof. 553,969, Jan. 22; Serial No. 607,871, published Oct. 9, 1951. Class 46.

Scenic Citrus Cooperative, Frostproof, Fla. Fresh citrus fruits and canned tangerine juice. 553,970, Jan. 22; Serial No. 607,872, published Sept. 25, 1951. Class 46.

Schenley Distillers Corporation, New York, N. Y., now by change of name Schenley Industries, Inc., Whiskey. 553,701, Jan. 22; Serial No. 544,769, published Aug. 28, 1951. Class 49.

Schenley Industries, Inc.: *See*—
Schenley Distillers Corporation.

Schenley Laboratories, Inc., New York, N. Y. Penicillin products. 553,745, Jan. 22; Serial No. 576,826, published May 16, 1950. Class 18.

Schmidt, Alfred H., doing business under the assumed name of Portland Shingle Co., Portland, Oreg. Chemical preparation. 553,921, Jan. 22; Serial No. 605,372, published Nov. 6, 1951. Class 6.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' and children's slips. 553,888, Jan. 22; Serial No. 600,982, published Oct. 23, 1951. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Medicated adhesive surgical pads, medicated adhesive plaster, etc. 553,894, Jan. 22; Serial No. 601,807, published Sept. 11, 1951. Class 18.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Medicated foot powder. 554,008, Jan. 22; Serial No. 609,143, published Oct. 2, 1951. Class 18.

Schuman & Donchi, Inc., Newark, N. J. Finger rings and ring findings. 553,982, Jan. 22; Serial No. 608,383, published Sept. 11, 1951. Class 28.

Schwarz Laboratories, Inc., New York, N. Y. Glutathione. 554,018, Jan. 22; Serial No. 609,702, published Nov. 6, 1951. Class 6.

Scott, O. M., & Sons Company, Marysville, Ohio. Fertilizers. 554,118, Jan. 22; Serial No. 605,121. Class 10.

Seamless Rubber Company, The, New Haven, Conn. Surgeons' gloves. 554,114, Jan. 22; Serial No. 603,550. Class 44.

Seamprufe Incorporated, New York, N. Y. Women's apparel. 554,039–40, Jan. 22; Serial Nos. 611,375–6, published Oct. 30, 1951. Class 39.

Sell Corporation, Chicago, Ill. Vertical folders, and letter file guides. 554,071, Jan. 22; Serial No. 541,971. Class 37.

Shannon Luminous Materials Company Incorporated, Hollywood, Calif. Soluble gloss finish water paint, show card color flat finish water paint, etc. 554,100, Jan. 22; Serial No. 594,733. Class 16.

Shapiro, Arthur, Brooklyn, N. Y. Ladies' blouses. 553,875, Jan. 22; Serial No. 599,661, published Oct. 23, 1951. Class 39.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Hormone preparation. 553,777, Jan. 22; Serial No. 584,355, published Sept. 25, 1951. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Steroid compound having therapeutic properties. 553,939, Jan. 22; Serial No. 606,571, published Sept. 18, 1951. Class 18.

Sherley, A. F., & Co. Limited: *See*—
Sherley, Alexander F.

Sherley, Alexander F., to A. F. Sherley & Co. Limited, London, England. Food for dogs. 84,260, re-renewed Nov. 21, 1951. O. G. Jan. 22. Class 46.

Sherman, H. B., Manufacturing Company, Battle Creek, Mich. Shut-off and relief type valves, faucets, air nozzles, etc. 553,689, Jan. 22; Serial No. 513,217, published Oct. 30, 1951. Class 13.

Shield Laboratories: *See*—
Cordes, Jules V.

Silver, Wm. E., doing business under the name and style of Wm. E. Silver Sales Co., Colora, Md. Canned corn. 553,718, Jan. 22; Serial No. 561,694, published Oct. 30, 1951. Class 46.

Silver, Wm. E., Sales Co.: *See*—
Silver, Wm. E.

Simons & French Company, Incorporated: *See*—
Simons & French Company, Inc.

Simons & French Company, Inc., New York, N. Y., to Simons & French Company, Incorporated, New York, N. Y., and Sacramento, Calif. Fresh deciduous fruits, fresh citrus fruits. 291,142, renewed Jan. 26, 1952. O. G. Jan. 22. Class 46.

Singer Glove Manufacturing Co., Chicago, Ill. Workmen's fabric gloves. 553,983, Jan. 22; Serial No. 608,384, published Oct. 23, 1951. Class 39.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Men's, women's, misses', and children's caps, hats, shoes, etc. 553,809, Jan. 22; Serial No. 591,112, published Oct. 9, 1951. Class 39.

Smit, J. K., & Sons, Inc., assignor to J. K. Smit & Sons, Inc., Murray Hill, N. J. Diamond compounds. 553,789, Jan. 22; Serial No. 586,552, published Oct. 30, 1951. Class 4.

Smith, J. Hungerford, Co., Rochester, N. Y. Chocolate syrup. 553,696, Jan. 22; Serial No. 533,063, published Sept. 25, 1951. Class 45.

Smith, Kline & French Laboratories, Philadelphia, Pa. Antibiotic-sulfonamide preparation. 553,917, Jan. 22; Serial No. 605,236, published Sept. 18, 1951. Class 18.

Smith, L. C., & Corona Typewriters, Inc., Syracuse, N. Y. Carbon papers and inked ribbons. 554,084, Jan. 22; Serial No. 577,075. Class 11.

Sociedad Anonima Mackinnon & Coelho, Limitada Compania Yerbatera, Buenos Aires, Argentina. Yerba mate. 289,781, Dec. 8, 1931. Republished Jan. 22. Class 46.

Société Anonyme de la Vieille Cure de Cenon, Cenon, France. Liqueurs. 444,652, Jan. 22; Serial No. 525,747, published Aug. 28, 1951. Class 49.

Soft-Lite Lens Company, Inc., New York, N. Y. Ophthalmic lenses and blanks. 554,031, Jan. 22; Serial No. 610,470, published Oct. 30, 1951. Class 26.

Solo Products Corporation, New York, N. Y. Plastic trays. 554,086, Jan. 22; Serial No. 577,821. Class 2.

Somarco, Lucile, Brassiere, The, New York, N. Y., to Kingsboro Silk Mills, Inc., Chattanooga, Tenn. Brassières, corsets, bandeaux, and corset and brassière combinations. 292,652, renewed Mar. 22, 1952. O. G. Jan. 22. Class 39.

Sonoco Products Company, Hartsville, S. C. Flock surfaced paper carriers. 553,802, Jan. 22; Serial No. 589,599, published Nov. 6, 1951. Class 2.

Sorensen, Wesley A., doing business under the style of The Doll House Company, Salt Lake City, Utah. Restaurant and drive-in lunch service. 554,060, Jan. 22; Serial No. 556,490, published Oct. 30, 1951. Class 100.

Southwestern Drug Corporation, doing business as Red Arrow Laboratories, Waco, Tex. Antiseptic mouth wash. 553,711, Jan. 22; Serial No. 559,255, published Sept. 18, 1951. Class 18.

Soya Food Products, Inc., Cincinnati, Ohio. Canned bean sprouts, and fast frozen vegetable chop suey. 553,730, Jan. 22; Serial No. 568,544, published Sept. 18, 1951. Class 46.

Special Milk Products, Inc., Los Angeles, Calif., now by change of name Jackson-Mitchell Pharmaceuticals, Inc. Antacid tablet. 553,817, Jan. 22; Serial No. 592,523, published Sept. 18, 1951. Class 18.

Speidel Corporation, Providence, R. I. Bracelets. 553,980, Jan. 22; Serial No. 608,329, published Sept. 11, 1951. Class 28.

Spencer-Adams Paint Company, Atlanta, Ga. Floor and porch paint enamel, prepared paint, quick drying varnish, etc. 554,104, Jan. 22; Serial No. 596,533. Class 16.

Spencer-Stafford Loadcraft, Inc., Augusta, Kans. Large moving van, oil well supply type trailers. 553,988, Jan. 22; Serial No. 608,584, published Oct. 16, 1951. Class 19.

Sperandeo, Vincent, Brooklyn, N. Y. Children's mittens, and gloves. 554,016, Jan. 22; Serial No. 609,608, published Oct. 23, 1951. Class 39.

Spiegel, Inc., Chicago, Ill. Alcoholic anti-freeze. 554,120, Jan. 22; Serial No. 606,398. Class 6.

Spool Cotton Company, The, Newark, N. J., and New York, N. Y., by The Clark Thread Company, Inc., Wilmington, Del., and Clarksdale, Ga. Cotton thread and yarn. 84,758–60, Jan. 2, 1912. Republished Jan. 22. Class 43.

Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparations. 554,024, Jan. 22; Serial No. 610,193, published Oct. 16, 1951. Class 18.

Standard Chemical Products, Inc., Hoboken, N. J. Textile finishing preparations. 553,979, Jan. 22; Serial No. 608,290, published Nov. 6, 1951. Class 6.

Standard Distillers Products, Baltimore, Md. Whiskey. 553,712, Jan. 22; Serial No. 560,061, published Aug. 28, 1951. Class 49.

State Brand Creameries, Inc., Mason City, Iowa. Butter and dried milk solids. 553,721, Jan. 22; Serial No. 563,826, published Oct. 30, 1951. Class 46.

Stein, S., & Co., to S. Stein & Co., Inc., New York, N. Y. Woolen piece goods. 83,287, re-renewed Aug. 29, 1951. O. G. Jan. 22. Class 42.

Stein, S., & Co., Inc.: *See*—
Stein, S., & Co.

Steinberger, L., & Sons, Inc., Jersey City, N. J. Non-alcoholic, noncereal, maltless beverages. 554,077, Jan. 22; Serial No. 559,953. Class 45.

Sterling, Inc., Milwaukee, Wis. Strainers, vacuum float vents, and traps. 553,818, Jan. 22; Serial No. 592,787, published Oct. 30, 1951. Class 13.

Sterling Products, Inc., Los Angeles, Calif. Paper plates and cups. 553,879, Jan. 22; Serial No. 599,849, published Nov. 6, 1951. Class 2.

Stevens & Thompson Paper Co., North Hoosier, to Stevens & Thompson Paper Co., Greenwich, N. Y. Toilet paper. 291,905, renewed Feb. 23, 1952. O. G. Jan. 22. Class 37.

Stitzel-Weller Distillery, Louisville and Shively, Ky. Whiskies and gin. 553,765, Jan. 22; Serial No. 582,397, published Aug. 28, 1951. Class 49.

Stoddard, G. S., & Co., Inc., New York, N. Y. Quaternary synergist. 553,855, Jan. 22; Serial No. 597,040, published Sept. 11, 1951. Class 18.

Struhl, Morris, Inc., New York, N. Y., and Jersey City, N. J. Hair dryers and vibrators. 553,769, Jan. 22; Serial No. 582,927, published Sept. 11, 1951. Class 44.

Studebaker Corporation, The, South Bend, Ind. Automobiles. 554,035, Jan. 22; Serial No. 610,765, published Oct. 30, 1951. Class 19.

Stylewear Display Accessories, Inc., Brooklyn, N. Y. Manikin wigs. 554,130, Jan. 22; Serial No. 610,868. Class 50.

Sunset Incorporated, Chicago, Ill. Whiskey. 444,649, Jan. 22; Serial No. 516,227, published Sept. 25, 1951. Class 49.

Sunset Oil Company: *See*—
Sunset Pacific Oil Company.

Sunset Pacific Oil Company, by Sunset Oil Company, Los Angeles, Calif. Lubricating oils, lubricating greases. 267,544, Feb. 25, 1930. Republished Jan. 22, 1952. Class 15.

Sunset Packing Co., Inc., West Pembroke, Maine. Canned sardines. 554,023, Jan. 22; Serial No. 610,108, published Oct. 30, 1951. Class 46.

Surveys, Inc., Trenton, N. J. Thermoplastic valve and pump packing. 554,025, Jan. 22; Serial No. 610,194, published Nov. 6, 1951. Class 35.

Swenson, Aut, Springfield, Mo. Entertainment service. 554,066, Jan. 22; Serial No. 607,458, published Oct. 30, 1951. Class 107.

Swift & Company, doing business as H. L. Handy Company, Chicago, Ill., and Springfield, Mass. Meat products. 553,929, Jan. 22; Serial No. 606,182, published Sept. 18, 1951. Class 46.

Swiveller Company Inc., New York, N. Y. Pipes by means of which an electric lamp arm may be extended. 554,081, Jan. 22; Serial No. 570,449. Class 21.

Technicon Company, The, New York, N. Y. Preparations or histological reagents. 553,968, Jan. 22; Serial No. 607,832, published Nov. 6, 1951. Class 6.

Thayer, Inc., Gardner, Mass. Baby carriages. 554,003, Jan. 22; Serial No. 608,963, published Oct. 16, 1951. Class 19.

Thompson-Hayward Chemical Co., Kansas City, Mo. Fumigating agent. 553,957, Jan. 22; Serial No. 607,526, published Nov. 6, 1951. Class 6.

Thompson-Hayward Chemical Company, Kansas City, Mo. Herbicide. 553,958, Jan. 22; Serial No. 607,565, published Nov. 6, 1951. Class 6.

Thomson Company, Thomson, Ga. Men's and boys' trousers. 553,806, Jan. 22; Serial No. 590,534, published Nov. 14, 1950. Class 39.

Titus S. A., Geneva, Switzerland. Watches, watch-cases, watch-movements. 554,095, Jan. 22; Serial No. 588,535. Class 27.

Tobin Packing Co., Inc., Rochester, N. Y., and Fort Dodge, Iowa. Cooked ham. 553,986, Jan. 22; Serial No. 608,522. published Oct. 23, 1951. Class 46.

Todd Shipyards Corporation, New York, N. Y. Oil burners and air registers. 553,873, Jan. 22; Serial No. 599,048, published Oct. 2, 1951. Class 34.

Topps Chewing Gum, Incorporated, Brooklyn, N. Y. Confections. 553,976, Jan. 22; Serial No. 608,131, published Sept. 18, 1951. Class 46.

Towle Manufacturing Company, Newburyport, Mass. Sterling silver and sterling silver mounted flatware, etc. 553,926, Jan. 22; Serial No. 605,929, published Sept. 11, 1951. Class 28.

Trade-Wind Motorfans, Inc., Los Angeles, Calif. Ventilators. 444,647, Jan. 22; Serial No. 498,814, published Sept. 25, 1951. Class 34.

Trimble, Inc., assignee: *See*—
Century Tool & Manufacturing Company.

Tropical Beverage Co.: *See*—
Jones, James P.

Tucker, Joseph J., New York, N. Y. Partially printed checks, invoices, journals, etc. 554,112, Jan. 22; Serial No. 602,726. Class 37.

Twin City Shellac Co. Inc., Brooklyn, N. Y. Cleaner and polish. 553,710, Jan. 22; Serial No. 558,764, published Oct. 16, 1951. Class 4.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.

United Mills Corporation, Mount Gilead, N. C. Brassières. 553,886, Jan. 22; Serial No. 600,866, published Oct. 23, 1951. Class 39.

United States Gypsum Company, Chicago, Ill. Finely ground gypsum. 290,665, renewed Jan. 12, 1952. O. G. Jan. 22. Class 1.

United States Gypsum Company, Chicago, Ill. Finely ground gypsum. 291,874, renewed Feb. 23, 1952. O. G. Jan. 22. Class 1.

Valier & Spies Milling Company: *See*—
Flour Mills of America, Inc.

Van Camp Packing Co., Incorporated, The, Indianapolis, Ind., to The Glidden Company, Cleveland, Ohio. Cotton-seed oil. 288,297, renewed Oct. 20, 1951. O. G. Jan. 22. Class 46.

Van Dyk & Company, Inc., Belleville, N. J. Chemical compounds. 553,985, Jan. 22; Serial No. 608,482, published Nov. 6, 1951. Class 6.

Verkade's Fabrieken N. V., Zaandam, Netherlands. Paraffin, tapers and candles. 553,820, Jan. 22; Serial No. 592,853, published Sept. 18, 1951. Class 15.

Vintage Wines, Inc., New York, N. Y. Cherry wine. 553,932, Jan. 22; Serial No. 606,346, published Sept. 4, 1951. Class 47.

Vitaminerals, Inc., Glendale, Calif. Medicinal and pharmaceutical preparations. 553,852, Jan. 22; Serial No. 596,887, published Sept. 18, 1951. Class 18.

Vogue Vanities Limited, Handsworth, Birmingham, England. Cosmetic powder cases, lipstick cases, mascara cases, etc. 553,798, Jan. 22; Serial No. 588,913, published Oct. 30, 1951. Class 2.

Wafer Products Co., The: *See*—
Weisberger, Joseph.

Wahl, Dan, New York, N. Y. Bow ties, straight ties, scarfs, etc. 553,731, Jan. 22; Serial No. 569,785, published Dec. 12, 1950. Class 39.

Walker, Alfred M., doing business as B. Prince & Co., San Francisco, Calif. Wrist watch straps. 553,782, Jan. 22; Serial No. 585,089, published Sept. 4, 1951. Class 28.

Walker, James & Co., London, England, assignor to James Walker and Company Limited, to James Walker & Co., Limited, Woking, Surrey, England. Machinery packing. 84,890, renewed Jan. 9, 1952. O. G. Jan. 22. Class 35.

Walker, James & Co., Limited: *See*—
Walker, James & Co.

Walker, James, and Company Limited, assignee: *See*—
Walker, James & Co.

Wallace & Tiernan Products, Inc., Belleville, N. J. Services in the enabling and effectuation, through and by personnel, apparatus and materials belonging to it or its said related company, of the use, on the premises of others, of procedures for the treatment of fruits and vegetables, etc. 554,059, Jan. 22; Serial No. 555,578, published Oct. 30, 1951. Class 106.

Waltham Watch Company, Waltham, Mass. Watches and parts thereof. 292,839, renewed Mar. 29, 1952. O. G. Jan. 22; Class 27.

Weinrelch Brothers Company, New York, N. Y. Pearl necklaces, pearl earrings, pearl bracelets, etc. 553,780, Jan. 22; Serial No. 585,002, published Sept. 18, 1951. Class 28.

Weisberger, Joseph, doing business under the name and style of The Wafer Products Co., Leonia, N. J. Preparation for the treatment of pyorrhea, etc. 553,898, Jan. 22; Serial No. 602,534, published Sept. 4, 1951. Class 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Bag, Self cooling water. White Stag Manufacturing Corporation. 553,854, Jan. 22; Serial No. 590,801 published Oct. 30, 1951.

Bags, Burlap, cloth and cotton, sacks, baskets etc. Industrial Bag & Specialties, Inc. 554,781, Jan. 22; Serial No. 585,026, published June 19, 1951.

Bags, Costume, garment bags, lingerie bags, etc. Plastron Inc. 424,920, Oct. 29, 1946. Republished Jan. 22.

Bags, Insulated paper. Jiffy Manufacturing Company. 554,109, Jan. 22; Serial No. 601,300.

Bags, Paper. St. Regis Paper Company. 554,037, Jan. 22; Serial No. 611,241, published Nov. 6, 1951.

Boxes and cartons, Folding cardboard and paperboard and cut and scored blanks therefor. Pioneer Folding Box Company. 554,044, Jan. 22. Serial No. 611,617, published Nov. 6, 1951.

Boxes, Corrugated paper shipping. Mohawk Containers Inc. 553,901, Jan. 22. Serial No. 602,587, published Oct. 23, 1951.

Canisters, Metal. The Enterprise Aluminum Company. 292,372, renewed Mar. 15, 1952. O. G. Jan. 22.

Cases, Cosmetic powder compact cases, mirrored cases. Vogue Vanities Limited. 553,776, Jan. 22. Serial No. 588,915, published Oct. 30, 1951.

Chests, Metal, and pull boxes. The Kay Company. 554,029, Jan. 22. Serial No. 610,267, published Oct. 23, 1951.

Containers and dispensers. Pharmaseal Laboratories, Inc. 554,111, Jan. 22. Serial No. 611,505.

Containers, aluminum foil, and metal closures therefor. Vacuum Can Company. 553,759, Jan. 22. Serial No. 591,810, published Oct. 30, 1951.

Cups and saucers, enameled ware. Belmont Enamel Ware Company. 553,959, Jan. 22. Serial No. 606,-, published Oct. 23, 1951.

Cups, Paper. Dixie Cup Company. 554,112, Jan. 22. Serial No. 611,-, published Nov. 6, 1951.

Cups, Paper. Sweetheart Cup Company. 554,113, Jan. 22. Serial No. 611,-, published Nov. 6, 1951.

Cups, Paper. Sweetheart Cup Company. 554,114, Jan. 22. Serial No. 611,-, published Nov. 6, 1951.

Cups, Paper. Sweetheart Cup Company.

Weisman Brothers Lingerie Corp., New York, N. Y. Combination blouse and divided skirt. 553,940, Jan. 22; Serial No. 606,583, published Oct. 23, 1951. Class 39.
Weiss, A., Hosiery Company, Chicago, Ill. Men's, women's, and children's hosiery. 554,089, Jan. 22; Serial No. 580,387. Class 39.
Weiss Shirt Company, Inc., New York, N. Y. Men's and boys' negligee, dress and work shirts. 553,954, Jan. 22; Serial No. 607,465, published Oct. 23, 1951. Class 39.
Weil Equipment Mfg. Corp., Houston, Tex. Vacuum operated control valve. 553,853, Jan. 22; Serial No. 596,889, published Oct. 30, 1951. Class 13.
Wella Corporation, The, New York, N. Y. Preparation containing keratin for use after shampooing. 553,747, Jan. 22; Serial No. 577,997, published Sept. 4, 1951. Class 51.
Western Air Lines, Inc., Los Angeles, Calif. Air transportation of passengers, freight and mail. 554,054, Jan. 22; Serial No. 494,878, published Nov. 6, 1951. Class 105.
Western Waxed Paper Company: *See*—
Crown Zellerbach Corporation.
Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat and control engineering service. 554,055, Jan. 22; Serial No. 531,743, published Oct. 30, 1951. Class 100.
White, David, Company, Milwaukee, Wis. Film mountings, photographic slides and stereoscopic slides. 554,038, Jan. 22; Serial No. 611,324, published Oct. 30, 1951. Class 26.
White, Murray Company, Boston, Mass. Misses' and ladies' dresses. 553,822, Jan. 22; Serial No. 593,197, published Oct. 30, 1951. Class 39.
White-Stag Manufacturing Corporation, doing business as Hirsch-Weis Canvas Products Co., Portland, Oreg. Self-cooling water bag. 553,854, Jan. 22; Serial No. 596,891, published Oct. 30, 1951. Class 2.
Wickliffe, W. A., Coal Company, Inc., Greenville, Ky. Coal. 554,101, Jan. 22; Serial No. 595,180. Class 1.
Wickwire Spencer Steel Company: *See*—
Bowers, Edward C., and C. L. Feldman.
Will, Oscar H., & Co., to Oscar H. Will & Co., Bismarck, N. Dak. Carrot-seed, celery-seed, cauliflower-seed, etc. 84,443, re-renewed Dec. 12, 1951. O. G. Jan. 22. Class 1.
Williams, R. C., & Company, Inc., New York, N. Y. Edible olive oil. 554,128, Jan. 22; Serial No. 609,992. Class 46.
Williamson-Dickie Manufacturing Co., Fort Worth, Tex. Work clothing. 553,739, Jan. 22; Serial No. 573,281, published Oct. 9, 1951. Class 39.
Wilson-Simon Foods, Inc., Roslyn, N. Y., now by change of name Moj Products Corporation. Homogenized whip topping. 553,995, Jan. 22; Serial No. 608,777, published Oct. 9, 1951. Class 46.
Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Dry form sulfur mixture. 553,863, Jan. 22; Serial No. 597,926, published Nov. 6, 1951. Class 6.
Wind-O-Seal, Inc., Elkhart, Ind. Windows, doors, screen and glass porch enclosures, etc. 554,076, Jan. 22; Serial No. 554,843. Class 12.
Worcester Toy Company, Worcester, Mass. Molded plastic cups and saucers, creamers, etc. 553,950, Jan. 22; Serial No. 607,304, published Oct. 23, 1951. Class 2.
Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen goods in the piece. 553,838, Jan. 22; Serial No. 595,348, published Oct. 30, 1951. Class 42.
Wyeth Incorporated, Philadelphia, Pa. Vitamin B_{12}. 553,930, Jan. 22; Serial No. 606,187, published Sept. 25, 1951. Class 18.
Yarnall-Waring Company, Philadelphia, Pa. Gaskets. 554,006, Jan. 22; Serial No. 609,021, published Nov. 6, 1951. Class 35.
Young Brothers Company, Cleveland, Ohio. Industrial ovens and dryers. 553,869, Jan. 22; Serial No. 598,770, published Sept. 18, 1951. Class 34.
Young Radiator Company, Racine, Wis. Heat exchange devices. 553,751, Jan. 22; Serial No. 579,066, published Sept. 18, 1951. Class 34.
Zimmer, Kurt W., assignor to Kleenette Mfg. Co., Chicago, Ill. Metal scouring sponge. 553,810, Jan. 22; Serial No. 591,213, published Oct. 16, 1951. Class 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carrot-seed, celery-seed, cauliflower-seed, etc. Oscar H. Will & Co. 84,443, re-renewed Dec. 12, 1951. O. G. Jan. 22.
Chrome ore, Ground. E. J. Lavino and Company. 554,119, Jan. 22; Serial No. 606,150.
Coal. W. A. Wickliffe Coal Company, Inc. 554,101, Jan. 22; Serial No. 595,180.
Ground barytes. Mobar Corporation. 553,816, Jan. 22; Serial No. 592,508, published Oct. 16, 1951.
Gypsum, Finely ground. United States Gypsum Company. 290,665, renewed Jan. 12, 1952. O. G. Jan. 22.
Gypsum, Finely ground. United States Gypsum Company. 291,874, renewed Feb. 23, 1952. O. G. Jan. 22.
Seed, Clover. Northrup, King & Co. 554,129, Jan. 22; Serial No. 610,796.
Seeds. James Carter & Co. 84,308, Nov. 28, 1911. Republished Jan. 22.

CLASS 2

Bag, Self-cooling water. White-Stag Manufacturing Corporation. 553,854, Jan. 22; Serial No. 596,891, published Oct. 30, 1951.
Bags, Burlap, cloth and cotton, sacks, baskets, etc. Industrial Bag & Specialties, Inc. 553,781, Jan. 22; Serial No. 585,026, published June 19, 1951.
Bags, Costume, garment bags, lingerie bags, etc. Plastron, Inc. 424,920, Oct. 29, 1946. Republished Jan. 22.
Bags, Insulated paper. Jiffy Manufacturing Company. 554,109, Jan. 22; Serial No. 601,399.
Bags, Paper. St. Regis Paper Company. 554,037, Jan. 22; Serial No. 611,241, published Nov. 6, 1951.
Boxes and cartons, Folding cardboard and paperboard, and cut and scored blanks therefor. Pioneer Folding Box Company. 554,044, Jan. 22; Serial No. 611,617, published Nov. 6, 1951.
Boxes, Corrugated paper shipping. Mohawk Containers, Inc. 553,901, Jan. 22; Serial No. 602,965, published Oct. 23, 1951.
Canisters, Metal. The Enterprise Aluminum Company. 292,372, renewed Mar. 15, 1952. O. G. Jan. 22.
Cases, Cosmetic powder, lipstick cases, mascara cases, etc. Vogue Vanities Limited. 553,798, Jan. 22; Serial No. 588,913, published Oct. 30, 1951.
Chutes, Mail, and mail boxes. Cutler Mail Chute Company. 554,020, Jan. 22; Serial No. 610,007, published Oct 23, 1951.
Container and dispenser, Portable. O. E. Ihle. 554,135, Jan. 22; Serial No. 613,593.
Container combination, Mirror and lipstick. Majestic Metal Specialties, Inc. 553,753, Jan. 22; Serial No. 579,696, published Oct. 23, 1951.
Cups and saucers, creamers, etc., Molded plastic. Worcester Toy Company. 553,950, Jan. 22; Serial No. 607,304, published Oct. 23, 1951.
Packets, Flexible. E. F. Hiscock. 554,028, Jan. 22; Serial No. 610,269, published Nov. 6, 1951.
Pails, Rubber garbage. Nesco, Inc. 553,740, Jan. 22; Serial No. 573,335, published Oct. 23, 1951.
Paper carriers, Flock surfaced. Sonoco Products Company. 553,802, Jan. 22; Serial No. 589,599, published Nov. 6, 1951.
Plates and cups, Paper. Sterling Products, Inc. 553,879, Jan. 22; Serial No. 599,849, published Nov. 6, 1951.
Tanks, Unfilled gas storage. Chicago Bridge & Iron Company. 554,045, Jan. 22; Serial No. 611,760, published Nov. 6, 1951.
Trays, Plastic. Solo Products Corporation. 554,086, Jan. 22; Serial No. 577,821.
Vaults, Burial. Wilbert W. Haase Co. 553,868, Jan. 22; Serial No. 598,723, published Oct. 30, 1951.

CLASS 4

Abrasive implements. Behr-Manning Corporation. 399,702, Jan. 26, 1943. Republished Jan. 22.
Abrasive or grinding belts. Manning Abrasive Company Inc. 132,453, June 22, 1920. Republished Jan. 22.
Abrasive paper and cloth. Manning Sand Paper Company. 97,431, June 2, 1914. Republished Jan. 22.
Abrasive paper and cloth. Manning Sand Paper Company. 97,433, June 2, 1914. Republished Jan. 22.
Abrasive papers and cloths. Herman Behr & Company, Incorporated. 226,251, Apr. 5, 1927. Republished Jan. 22.
Abrasives, Coated. Behr-Manning Corporation. 369,072–3, July 11, 1939. Republished Jan. 22.
Abrasives, Coated. Behr-Manning Corporation. 375,932, Mar. 5, 1940. Republished Jan. 22.
Abrasives, Coated. Behr-Manning Corporation. 400,008, Feb. 9, 1943. Republished Jan. 22.
Abrasives, Coated. Behr-Manning Corporation. 415,853, Aug. 21, 1945. Republished Jan. 22.
Abrasives, Coated. Behr-Manning Corporation. 420,254, Apr. 2, 1946. Republished Jan. 22.
Abrasives, Coated. Behr-Manning Corporation. 433,572, Oct. 21, 1947. Republished Jan. 22.
Abrasives, Sheet-like or flexible. Behr-Manning Corporation. 308,750, Dec. 19, 1933. Republished Jan. 22.
Cleaner and polish. Twin City Shellac Co. Inc. 553,710, Jan. 22; Serial No. 558,764, published Oct. 16, 1951.
Diamond compounds. J. K. Smit & Sons, Inc. 553,789, Jan. 22; Serial No. 586,552, published Oct. 30, 1951.
Polish, Furniture. S. C. Johnson & Son, Inc. 554,014, Jan. 22; Serial No. 609,582, published Oct. 16, 1951.
Polishes. Buffalo Specialty Manufacturing Company. 37,516, re-renewed Dec. 24, 1951. O. G. Jan. 22.
Sandpaper. National Sanding Machine Company. 214,079, June 15, 1926. Republished Jan. 22.
Scouring pad, Sponge type of. MacDonald Metals, Inc. 554,108, Jan. 22; Serial No. 599,574.

Scouring sponge, Metal. K. W. Zimmer. 553,810, Jan. 22; Serial No. 591,213, published Oct. 16, 1951.

CLASS 5

Adhesive tape. Posces, Inc. 553,872, Jan. 22; Serial No. 599,014, published Sept. 4, 1951.
Adhesive tape, Pressure sensitive. Adhesive Tapes Limited. 553,866, Jan. 22; Serial No. 598,342, published Oct. 16, 1951.
Cement, Liquid adhesive. Caterpillar Tractor Co. 553,849, Jan. 22; Serial No. 596,778, published Sept. 4, 1951.
Cement, Rubber, adhesive. B. K. Elliott Company. 553,812, Jan. 22; Serial No. 591,465, published Oct. 16, 1951.

CLASS 6

After shaving lotions. Ar. Winarick, Inc. 275,460, Sept. 23, 1930. Republished Jan. 22.
Alcoholic anti-freeze. Spiegel, Inc. 554,120, Jan. 22; Serial No. 606,398.
Anti-freeze solutions. Carpenter Oil Inc. 553,805, Jan. 22; Serial No. 590,421, published Nov. 6, 1951.
Chemical compounds. Van Dyk & Company, Inc. 553,985, Jan. 22; Serial No. 608,482, published Nov. 6, 1951.
Chemical dyestuffs. Compagnie Nationale de Materes Colorantes et Manufactures de Produits Chimiques du Nord Reunies Etablissements Kuhlmann. 349,184, Aug. 24, 1937. Republished Jan. 22.
Chemical preparation. A. F. A. Beck. 554,085, Jan. 22; Serial No. 577,771.
Chemical preparation. A. H. Schmidt. 553,921, Jan. 22; Serial No. 605,372, published Nov. 6, 1951.
Chemical rust inhibitor. W. F. Martin. 554,080, Jan. 22; Serial No. 568,384.
Chemical substances. Heintz Manufacturing Company. 553,799, Jan. 22; Serial No. 589,091, published Nov. 6, 1951.
Chemicals, Agricultural, and household and industrial germicides and disinfectants. Acme White Lead & Color Works. 553,776, Jan. 22; Serial No 584,214, published Nov. 6, 1951.
Dyes. Fred Fear & Co. 288,643, renewed Nov. 3, 1951. O. G. Jan. 22.
Dyes and dressings. The Magidiz Co. 553,884, Jan. 22; Serial No. 600,222, published Nov. 6, 1951.
Dyes and dyestuffs. General Dyestuffs Corporation. 285,787, renewed Aug. 4, 1951. O. G. Jan. 22.
Dyes and dyestuffs. General Dyestuff Corporation. 287,132, renewed Sept. 15, 1951. O. G. Jan. 22.
Fire-extinguishing chemicals and compositions. National Foam System, Inc. 554,029, Jan. 22; Serial No. 610,329, published Nov. 6, 1951.
Fumigating agent. Thompson-Hayward Chemical Co. 553,957, Jan. 22; Serial No. 607,526, published Nov. 6, 1951.
Glutathione. Schwarz Laboratories, Inc. 554,018, Jan. 22; Serial No. 609,702, published Nov. 6, 1951.
Herbicide. Thompson-Hayward Chemical Company. 553,958, Jan. 22; Serial No. 607,565, published Nov. 6, 1951.
Laundry bleach. The Perfex Company. 553,793, Jan. 22; Serial No. 588,142, published Nov. 6, 1951.
Liquid which, applied to the skin and permitted to dry, produces a protective film. The Brunswick-Balke-Collender Company. 554,083, Jan. 22; Serial No. 574,013.
Polymers of formaldehyde. Heyden Chemical Corporation. 554,027, Jan. 22; Serial No. 610,268, published Nov. 6, 1951.
Preparations or histological reagents. The Technicon Company. 553,968, Jan. 22; Serial No. 607,832, published Nov. 6, 1951.
Preservative for wood fence posts. C. H. Higgins. 554,121, Jan. 22; Serial No. 606,663.
Product in powder form for applying to the underside of a rug or pad. No Slip Company. 554,134, Jan. 22; Serial No. 612,410.
Sodium sulfate, sulfuric acid, hydrochloric acid, etc. Ozark-Mahoning Company. 554,030, Jan. 22; Serial No. 610,332, published Nov. 6, 1951.
Sulfur mixture, Dry form. Wilson & Toomer Fertilizer Co. 553,863, Jan. 22; Serial No. 597,926, published Nov. 6, 1951.
Textile finishing preparations. Standard Chemical Products, Inc. 553,979, Jan. 22; Serial No. 608,290, published Nov. 6, 1951.
Thinner compound. DropDot Corporation. 554,022, Jan. 22; Serial No. 610,049, published Nov. 6, 1951.
Toilet preparations and drugs. Hahn Department Stores, Inc. 295,115–16, June 21, 1932. Republished Jan. 22.
Water neutralizing material. Elgin Softener Corporation. 553,876, Jan. 22; Serial No. 599,754, published Nov. 6, 1951.
Water proofing compound. Peel and Campden Limited. 553,961, Jan. 22; Serial No. 607,600, published Nov. 6, 1951.
Wetting agents. The Johnson-March Corporation. 553,804, Jan. 22; Serial No. 590,022, published Nov. 6, 1951.
Wood preservative, Liquid. Huttig Sash & Door Co. 553,907, Jan. 22; Serial No. 603,684, published Nov. 6, 1951.

CLASS 7

Wire ties, Resin-impregnated paper-covered. Portco Corporation. 553,885, Jan. 22; Serial No. 600,848, published Oct. 23, 1951.

CLASS 10

Fertilizers. O. M. Scott & Sons Company. 554,118, Jan. 22; Serial No. 605,121.

CLASS 11

Carbon-paper and type-writer ribbons. Columbia Ribbon & Carbon Manufacturing Company. 83,818, re-renewed Oct. 17, 1951. O. G. Jan. 22.
Carbon papers and inked ribbons. L. C. Smith & Corona Typewriters, Inc. 554,084, Jan. 22; Serial No. 577,075.

CLASS 12

Acoustic material. Johns-Manville Corporation. 290,530, renewed Jan. 5, 1952. O. G. Jan. 22.
Boards, Insulating building, wall boards. Aktiebolaget Scharins Söner. 553,724, Jan. 22; Serial No. 565,864, published Sept. 25, 1951.
Cement, Refractory. Canadian Refractories Limited. 291,229, renewed Feb. 2, 1952. O. G. Jan. 22.
Decorative laminated plastic sheets. Continental Can Company Inc. 553,791, Jan. 22; Serial No. 586,959, published Sept. 25, 1951.
Doors, Composite fire. The F. L. Saino Manufacturing Co. 553,900, Jan. 22; Serial No. 602,780, published Sept. 25, 1951.
Doors, Overhead, combination doors, screen windows, etc. Phenix Manufacturing Company Inc. 553,877, Jan. 22; Serial No. 599,778, published Sept. 25, 1951.
Putty. Gilman Paint and Varnish Company. 554,093, Jan. 22; Serial No. 584,058.
Tile, Resilient floor. Armstrong Cork Company. 553,819, Jan. 22; Serial No. 592,797, published Sept. 25, 1951.
Windows, doors, screen and glass porch enclosures, etc. Wind-O-Seal, Inc. 554,076, Jan. 22; Serial No. 554,843.

CLASS 13

Automatic air vents. The Keeney Manufacturing Company. 553,909, Jan. 22; Serial No. 604,097, published Oct. 30, 1951.
Hardware. The Cipco Corporation. 553,768, Jan. 22; Serial No. 582,770, published Oct. 30, 1951.
Hardware racks, Revolving. L. L. Baker. 553,727, Jan. 22; Serial No. 566,826, published Oct. 30, 1951.
Non-siphoning bath and cabinet traps. F. M. Dressel. 553,864, Jan. 22; Serial No. 598,069, published Oct. 30, 1951.
Ovens, Portable top-of-stove. The Parkersburg Steel Company. 553,821, Jan. 22; Serial No. 593,079, published Oct. 30, 1951.
Piping, Metal, metal tubing, valves, etc. The Greene-Wolf Co. Incorporated. 553,694, Jan. 22; Serial No. 531,788, published Oct. 30, 1951.
Sink strainers. P. F. Danielson. 554,074, Jan. 22; Serial No. 552,640.
Slide fasteners. Lightning Fastener Co. Limited. 554,047, Jan. 22; Serial No. 612,333, published Oct. 30, 1951.
Stainless steel in the form of tubing. The Carpenter Steel Company. 553,945, Jan. 22; Serial No. 607,118, published Nov. 6, 1951.
Strainers, vacuum float vents, and traps. Sterling, Inc. 553,818, Jan. 22; Serial No. 592,787, published Oct. 30, 1951.
Traps, sink wastes, and sink strainers. The M. S. Little Manufacturing Company. 553,857, Jan. 22; Serial No. 597,153, published Oct. 30, 1951.
Valve, Vacuum operated control. Weil Equipment Mfg. Corp. 553,853, Jan. 22; Serial No. 596,889, published Oct. 30, 1951.
Valves, Angle, globe valves, and Y valves. The William Powell Company. 553,754, Jan. 22; Serial No. 579,890, published Oct. 30, 1951.
Valves, Metal. Jenkins Bros. 553,736–8, Jan. 22; Serial Nos. 573,038–40, published Oct. 30, 1951.
Valves, Shut-off and relief type, faucets, air nozzles, etc. H. B. Sherman Manufacturing Company. 553,689, Jan. 22; Serial No. 513,217, published Oct. 30, 1951.
Wooden handle sticks. Joe Lowe Corporation. 553,757, Jan. 22; Serial No. 580,072, published Sept. 19, 1950.

CLASS 14

Centrifugal castings. Sandusky Foundry & Machine Co. 553,913, Jan. 22; Serial No. 604,393, published July 17, 1951.
Metal, Brass-plated sheet and strip. American Nickeloid Company. 553,828, Jan. 22; Serial No. 593,900, published Nov. 6, 1951.
Metal, Nickel plated sheet and strip. American Nickeloid Company. 553,829, Jan. 22; Serial No. 593,901, published Nov. 6, 1951.
Metal plated with metal, Sheet and strip. American Nickeloid Company. 553,827, Jan. 22; Serial No. 593,899, published Nov. 6, 1951.
Metals, Non-ferrous, and alloys thereof. Revere Copper and Brass Incorporated. 292,770, renewed Mar. 29, 1952. O. G. Jan. 22.

Nickel chromium alloy cast iron. Georgia Iron Works Company. 553,797, Jan. 22; Serial No. 588,859, published Aug. 21, 1951.
Steel, High speed. Latrobe Electric Steel Company. 553,951, Jan. 22; Serial No. 607,335, published Nov. 6, 1951.
Wire. Chicago Steel and Wire Company. 553,984, Jan. 22; Serial No. 608,447, published Nov. 6, 1951.

CLASS 15

Oils, Lubricating, lubricating greases. Sunset Pacific Oil Company 267,544, Feb. 25, 1930. Republished Jan. 22.
Paraffin, tapers, and candles. Yerkade's Fabrieken N. V. 553,820, Jan. 22; Serial No. 592,853, published Sept. 18, 1951

CLASS 16

Paint enamel, Floor and porch, prepared paint, quick drying varnish, etc. Spencer-Adams Paint Company. 551,104 Jan 22; Serial No. 596,533.
Paint, Soluble gloss finish water, show card color flat finish water paint, etc. Shannon Luminous Materials Company Incorporated. 554,100, Jan. 22; Serial No. 594,733

CLASS 18

After shaving lotions. Ar Winarick, Inc. 275,460, Sept. 23, 1930 Republished Jan. 22
Antacid tablet. Special Milk Products, Inc. 553,817, Jan. 22; Serial No. 592,523, published Sept. 18, 1951.
Antibacterial preparations. E. R. Squibb & Sons. 554,024 Jan. 22; Serial No. 610,193, published Oct. 16, 1951
Antibiotic preparation. Chas Pfizer & Co., Inc. 553,874, Jan. 22; Serial No. 599,189, published Sept. 11, 1951.
Antibiotic sulfonamide preparation. Smith, Kline & French Laboratories. 553,917, Jan. 22; Serial No. 605,236, published Sept. 18, 1951.
Anti malarial drugs. Parlam Corporation 553,847, Jan. 22; Serial No. 596,437, published Sept. 18, 1951.
Antiseptic germicidal preparation. Beneficial Products, Inc. 554,010, Jan. 22; Serial No. 609,224, published Oct. 2, 1951.
Antiseptic mouth wash. Southwestern Drug Corporation 553,711, Jan. 22; Serial No. 559,255, published Sept 18, 1951
Antiseptic preparation. Ciba Limited. 553,735, Jan. 22 Serial No. 572,018, published Sept. 18, 1951.
Cod liver oil. Chas. L. Huisking & Co., Inc. 553,924, Jan 22; Serial No. 605,792, published Sept. 4, 1951.
Compositions in tablet form for the preparation of germicidal solutions. Edwards-Councilor Company. 553,733, Jan 22; Serial No. 570,748, published Nov. 22 1949.
Compound for the prevention and control of cecal coccidiosis in chickens. Barker, Moore & Mein Company. 553,861, Jan 22; Serial No. 597,868, published Sept. 18, 1951.
Derivative of atropine. Campbell Products, Inc. 437,737, Mar. 30, 1948. Republished Jan. 22.
Digitoxin preparations. E. A. Ferguson. 553,832, Jan. 22. Serial No. 594,373, published Sept. 25, 1951.
Disinfectant, germicidal preparation. Horton & Converse. 553,774, Jan. 22; Serial No. 583,800, published Sept. 11, 1951.
Effervescent salt, Granular. Emerson Drug Company. 46,150, Sept. 19, 1905. Republished Jan. 22.
Emulsion-like liquid preparation. McNeil Laboratories, Incorporated 553,726, Jan. 22; Serial No. 566,629, published Sept. 25, 1951.
Herbal preparation. C. J. Hand. 553,792, Jan. 22; Serial No. 586,970, published Sept. 4, 1951.
Hormone preparation. Sharp & Dohme, Incorporated. 553,777, Jan. 22; Serial No. 584,355, published Sept. 25, 1951.
Inhalants A H Crundall Proprietary Limited. 553,881, Jan. 22; Serial No. 600,007, published Sept. 18, 1951.
Laxative. Oppo Food Products Company, Inc. 553,723, Jan. 22; Serial No. 564,782 published Sept. 11, 1951.
Liniment A C Hinton. 553,771, Jan. 22; Serial No. 583,206 published Sept. 18, 1951.
Liquid balm Paul B Elder Co. 553,811, Jan. 22; Serial No 591,361, published Sept 18, 1951.
Lozenges Throat. Foley & Company. 553,880, Jan. 22; Serial No 599,868, published Sept. 25, 1951.
Medical preparation. Physicians and Hospitals Supply Company, Inc. 553,823, Jan. 22; Serial No. 593,287, published Sept. 18, 1951
Medical preparation. Physicians and Hospitals Supply Company, Inc. 553,846, Jan. 22; Serial No. 596,189, published Sept. 4, 1951.
Medicament, Powdered. H. H. Marshall. 553,766, Jan. 22; Serial No. 582,669, published Sept. 4, 1951.
Medicated adhesive surgical pads, medicated adhesive plaster, etc. The Scholl Mfg. Co., Inc. 553,894, Jan. 22; Serial No. 601,807, published Sept. 11, 1951.
Medicated foot powder. The Scholl Mfg. Co., Inc. 554,008, Jan. 22; Serial No. 609,143, published Oct. 2, 1951.
Medicinal and pharmaceutical preparations. Vitaminerals, Inc 553,852, Jan. 22; Serial No. 596,887, published Sept 18, 1951.
Medicine, namely, an antacid preparation. C. E. Henry. 553,942, Jan. 22; Serial No. 606,610, published Sept. 18, 1951.
Medicines, Veterinary. Imperial Chemical (Pharmaceuticals) Limited. 553,779, Jan. 22; Serial No. 584,814, published Sept. 4, 1951.
Mercurial diuretics. Campbell Products, Inc. 418,384, Dec. 18, 1945. Republished Jan. 22.
Penicillin products. Schenley Laboratories, Inc. 553,745, Jan. 22; Serial No. 576,826, published May 16, 1950.
Pharmaceutical preparation. Casimir Funk Laboratories, Inc. 553,763, Jan. 22; Serial No. 582,283, published Sept. 18, 1951.
Preparation containing acid and sugar. Kinney and Company. 553,912, Jan. 22; Serial No. 604,372, published Sept. 18, 1951.
Preparation for the treatment of chronic and acute coughs. Maltbie Laboratories, Inc. 553,725, Jan. 22; Serial No. 566,350, published Sept. 18, 1951.
Preparation for the treatment of dyspepsia, etc. Radway & Co. Inc. 292,909, renewed Mar. 29, 1952. O. G. Jan. 22.
Preparation for the treatment of peptic ulcers. Nion Corporation. 553,843, Jan. 22; Serial No. 595,794, published Sept. 11, 1951.
Preparation for the treatment of psoriasis. J. V. Cordes. 553,761, Jan. 22; Serial No. 582,165, published Sept. 18, 1951.
Preparation for the treatment of psoriasis. J. V. Cordes. 553,762, Jan. 22; Serial No. 582,167, published Sept. 18, 1951.
Preparation for the treatment of pyorrhea, etc. J. Weisberger. 553,898, Jan. 22; Serial No. 602,534, published Sept. 4, 1951.
Preparation in tablet form for the treatment of constipation. American Dietaids Company, Inc. 554,001, Jan. 22; Serial No. 608,909, published Sept. 11, 1951.
Quaternary synergist. G. S. Stoddard & Co. 553,855, Jan. 22; Serial No. 597,040, published Sept. 11, 1951.
Salve. M. Hill. 553,767, Jan. 22; Serial No. 582,730, published July 17, 1951.
Steroid compound having therapeutic properties. Sharp & Dohme, Incorporated. 553,939, Jan. 22; Serial No. 606,571, published Sept. 18, 1951.
Sulphones or a sulphone for the treatment of leprosy. Imperial Chemical (Pharmaceuticals) Limited. 553,887, Jan. 22; Serial No. 600,959, published Sept. 4, 1951.
Toilet preparations and drugs. Hahn Department Stores, Inc. 295,115–16, June 21, 1932. Republished Jan. 22.
Vitamin A and D preparation. Abbott Laboratories. 553,787, Jan. 22; Serial No. 585,983, published Sept. 18, 1951.
Vitamin and mineral tablets, etc. Nutrition Products Corporation. 553,896, Jan. 22; Serial No. 602,211, published Sept. 18, 1951.
Vitamin and protein supplement. Dawe's Manufacturing Company. 553,784, Jan. 22; Serial No. 585,441, published Sept. 25, 1951.
Vitamin B_{12}. Wyeth Incorporated. 553,930, Jan. 22; Serial No. 606,187, published Sept. 25, 1951.
Vitamin concentrate. Feedstuffs Processing Company. 553,713–14, Jan. 22; Serial Nos. 560,327–8, published Sept. 4, 1951.
Vitamin-mineral preparations. American Cyanamid Company. 554,004, Jan. 22; Serial No. 608,977, published Oct. 2, 1951.
Vitamin-mineral preparations. American Cyanamid Company. 554,005, Jan. 22; Serial No. 608,979, published Oct. 2, 1951.
Vitamin preparation. S. Heilpern. 553,946, Jan. 22; Serial No. 607,126, published Sept. 11, 1951.

CLASS 19

Automobiles. The Studebaker Corporation. 554,035, Jan. 22; Serial No. 610,765, published Oct. 30, 1951.
Automobiles, structural parts therefor. Nash-Kelvinator Corporation. 553,862, Jan. 22; Serial No. 597,894, published Oct. 16, 1951.
Automotive and truck parts and accessories. Aetna Auto Parts Co. 553,691, Jan. 22; Serial No. 530,143, published Jan. 4, 1949.
Bicycles. Monark Silver King, Inc. 553,746, Jan. 22; Serial No. 577,221, published Oct. 16, 1951.
Boats, Lightweight row, canoes and outboard motor boats. The American Fiberlast Company. 553,858, Jan. 22; Serial No. 597,374, published Oct. 9, 1951.
Cargo containers for attachment to airplanes, Detachable external. Lockheed Aircraft Corporation. 553,699, Jan. 22; Serial No. 542,774, published Oct. 9, 1951.
Carriages, Baby. Thayer, Inc. 554,003, Jan. 22; Serial No. 608,963, published Oct. 16, 1951.
Cars, Railway freight. General American Transportation Corporation. 554,013, Jan. 22; Serial No. 609,444, published Oct. 16, 1951.
Chairs, seats, and beds for use in automobiles, Infants' portable. Bunny Bear, Inc. 553,704, Jan. 22; Serial No. 550,992, published Oct. 9, 1951.
Mirrors for automotive vehicles, Rear view. The Pure Oil Company. 554,021, Jan. 22; Serial No. 610,024, published Oct. 9, 1951.
Motorcycles and frame and fork parts. Harley-Davidson Motor Co. 553,943, Jan. 22; Serial No. 606,921, published Oct. 23, 1951.

Steering gears. Gemmer Manufacturing Company. 553,916, Jan. 22; Serial No. 604,965, published Oct. 30, 1951.
Van, Large moving, oil well supply type trailers. Spencer-Safford Loadcraft, Inc. 553,988, Jan. 22; Serial No. 608,584, published Oct. 16, 1951.
Wagons, Farm. Helix Corporation. 553,844, Jan. 22; Serial No. 595,838, published Oct. 2, 1951.
Wheels for industrial trucks. Aerol Co. Inc. 554,034, Jan. 22; Serial No. 610,729, published Nov. 6, 1951.

CLASS 21

Glass implosion plates. Dearborn Glass Company, Chicago, Ill. 554,090, Jan. 22; Serial No. 582,524.
Heating elements, Electrical. Knapp-Monarch Company. 292,620, renewed Mar. 22, 1952. O. G. Jan. 22.
Pipes by means of which an electric lamp arm may be extended. Swivelier Company Inc. 554,081, Jan. 22; Serial No. 570,449.
Sealing irons, Electrically heated. Crimpseal Co. 554,091, Jan. 22; Serial No. 583,385.
Toasters, Electric. Knapp-Monarch Company. 291,276, renewed Feb. 9, 1952. O. G. Jan. 22.

CLASS 22

Dolls, Dressed and undressed. The May Department Stores Company. 374,253, Jan. 2, 1940. Republished Jan. 22.
Dolls' high chairs. American Metal Specialties Corp. 554,099, Jan. 22; Serial No. 593,953.
Footballs, beach balls, baseballs, etc. Joe Lowe Corporation. 553,756, Jan. 22; Serial No. 580,069, published Oct. 3, 1950.

CLASS 23

Conveyor belts, Mechanical. E. C. Bowers and C. L. Feldman, receivers for Wickwire Spencer Steel Company, 290,335, renewed Jan. 5, 1952. O. G. Jan. 22.
Harrows. The Cutaway Harrow Company. 25,802, Jan. 1, 1895. Republished Jan. 22.
Harrows and edged disks. The Cutaway Harrow Company. 207,150, Dec. 22, 1925. Republished Jan. 22.
Machine tools. The Cincinnati Milling Machine Co. 286,109, renewed Aug. 18, 1951. O. G. Jan. 22.
Machine tools. Cincinnati Grinders Incorporated. 286,120, renewed Aug. 18, 1951. O. G. Jan. 22.
Scrapers, Hand. A. B. Gerhan. 420,371, Apr. 9, 1946. Republished Jan. 22.
Vending machines. Automatic Canteen Company. 288,284, renewed Oct. 20, 1951. O. G. Jan. 22.

CLASS 26

Automatic time operated job cost and attendance recording apparatus. Accometer Corporation. 553,944, Jan. 22; Serial No. 606,928, published Oct. 9, 1951.
Binoculars, object glass lenses, eyepieces, etc. Anciens Etablissements Barbier-Bénard & Turenne. 553,750, Jan. 22; Serial No. 578,948, published Oct. 9, 1951.
Cameras, Motion picture. Keystone Mfg. Co. 553,890, Jan. 22; Serial No. 601,325, published Mar. 27, 1951.
Charts, Mechanical calculating. H. R. Hustad. 554,048, Jan. 22; Serial No. 613,111, published Oct. 23, 1951.
Computers, Electronic analogue. Reeves Instrument Corporation. 553,963, Jan. 22; Serial No. 607,683, published Oct. 16, 1951.
Drafting equipment. Eugene Dietzgen Co. 554,046, Jan. 22; Serial No. 611,893, published Oct. 30, 1951.
Film mountings, photographic slides and stereoscopic slides. David White Company. 554,038, Jan. 22; Serial No. 611,324, published Oct. 30, 1951.
Gauges, Electronic pressure, and pressure sensitive elements. Aerequip Corporation. 553,840, Jan. 22; Serial No. 595,697, published Oct. 23, 1951.
Gauges, Electronic pressure, and pressure sensitive elements. Aeroquip Corporation. 553,841, Jan. 22; Serial No. 595,700, published Oct. 23, 1951.
Laboratory clamps. Laboratory Industries, Inc. 554,036, Jan. 22; Serial No. 610,982, published Nov. 6, 1951.
Lenses and blanks, Ophthalmic. Soft-Lite Lens Company, Inc. 554,031, Jan. 22; Serial No. 610,470, published Oct. 30, 1951.
Mechanical instrument. Rad, Inc. 553,748, Jan. 22; Serial No. 578,046, published Oct. 30, 1951.
Photographic mountings. Circle S Products Co. 553,892, Jan. 22; Serial No. 601,711, published Oct. 23, 1951.
Radio direction finding equipment. Lear, Incorporated. 554,049–50, Jan. 22; Serial Nos. 613,175–6, published Oct. 23, 1951.
Record charts for temperature-recording instruments and the like. The Foxboro Company. 553,865, Jan. 22; Serial No. 598,176, published Oct. 23, 1951.
Temperature indicators, Faucet hose. Century Tool & Manufacturing Company. 554,092, Jan. 22; Serial No. 583,519.
Thermostats, Fixed temperature types of sprinkler system control. "Automatic" Sprinkler Corporation of America. 554,000, Jan. 22; Serial No. 608,858, published Oct. 9, 1951.

CLASS 27

Clocks. General Time Corporation. 553,803, Jan. 22; Serial No. 589,846, published Mar. 13, 1951.

Watch-movements. Elgin National Watch Company. 82,972, re-renewed Aug. 8, 1951. O. G. Jan. 22.
Watches and parts thereof. Waltham Watch Company. 292,839, renewed Mar. 29, 1952. O. G. Jan. 22.
Watches, watch cases and watch movements. William B Ogush Inc. 553,773, Jan. 22; Serial No. 583,611, published Mar. 13, 1951.
Watches, watch-cases, watch-movements. S. A. Titus. 554,095, Jan. 22; Serial No. 588,535.

CLASS 28

Bracelets. Speidel Corporation. 553,980, Jan. 22; Serial No. 608,329, published Sept. 11, 1951.
Bracelets and watch bracelets. Jacoby-Bender, Inc. 553,972, Jan. 22; Serial No. 608,038, published Sept. 11, 1951.
Bracelets and watch bracelets. Jacoby Bender, Inc 553,973, Jan. 22; Serial No. 608,040, published Sept 11, 1951.
Chatelaines, ornamental pins, earrings, etc. Phyllis Originals, Inc. 554,107, Jan. 22; Serial No. 599,341.
Diamonds, diamond rings and mountings of diamonds. Bride's Hope Chest Diamond Company. 553,987, Jan. 22; Serial No. 608,531, published Sept. 11, 1951.
Jewelry. C. M. Del Mas. 554,070, Jan. 22; Serial No. 541,816.
Jewelry, Costume. Interatlantic Trading Corp. 553,775, Jan. 22; Serial No. 584,124, published Sept. 4, 1951.
Necklaces, Pearl, pearl earrings, pearl bracelets, etc. Weinreich Brothers Company. 553,780, Jan. 22; Serial No. 585,002, published Sept. 18, 1951.
Pearls, Simulated, and ornaments for personal adornment. Royal Craftsmen Inc. 554,007, Jan. 22; Serial No. 609,056, published Sept. 11, 1951.
Pins and badges, Fraternity. The Phi Kappa Tau Fraternity. 287,744, renewed Oct. 6, 1951. O. G. Jan. 22.
Rings, Finger. Grannt Bros. 553,947, Jan. 22; Serial No. 607,218, published Sept. 4, 1951.
Rings, Finger, and ring findings. Schuman & Donchi, Inc. 553,982, Jan. 22; Serial No. 608,383, published Sept. 11, 1951.
Sterling silver and sterling silver mounted flatware, etc. Towle Manufacturing Company 553,926, Jan. 22; Serial No. 605,929, published Sept. 11, 1951.
Wrist watch straps. A. M. Walker. 553,782, Jan. 22; Serial No. 585,089, published Sept. 4, 1951.

CLASS 29

Brushes, Body friction. Hindes Limited. 288,572, renewed Nov. 3, 1951. O. G. Jan. 22.

CLASS 32

Glass, Window, plate glass, laminated safety glass, etc. Libbey-Owens-Ford Glass Company. 554,075, Jan. 22; Serial No. 553,966.

CLASS 34

Boilers, Heating, and oil burning apparatus. Burnham Corporation. 553,931, Jan. 22; Serial No. 606,265, published Oct. 16, 1951.
Burner tips for gas. American Lava Corporation. 553,870, Jan. 22; Serial No. 598,823, published Sept. 18, 1951.
Burners, Oil, and air registers. Todd Shipyards Corporation. 553,873, Jan. 22; Serial No. 599,048, published Oct. 2, 1951.
Combustion equipment. Combustion Equipment Company. 292,174, renewed Mar. 1, 1952. O. G. Jan. 22.
Dampers, Hand and power operated. The Powers Regulator Company. 553,813, Jan. 22; Serial No. 591,799, published Sept. 18, 1951.
Ducts and connecting hose assembly. Kent Moore Organization, Inc. 553,785, Jan. 22; Serial No. 585,482, published Oct. 16, 1951.
Fireplace screen. Dollinger Corporation. 553,893, Jan. 22; Serial No. 601,778, published Sept. 18, 1951.
Heat exchange devices. Young Radiator Company. 553,751, Jan. 22; Serial No. 579,066, published Sept. 18, 1951.
Heaters, Gas-fired unit. James B. Clow & Sons. 553,728, Jan. 22; Serial No. 566,972, published Sept. 11, 1951.
Hot plates and lamp stoves. The Consolidated Iron Steel Mfg. Co. 554,051, Jan. 22; Serial No. 613,586, published Oct. 9, 1951.
Incandescent mantles and chimneys. The Mantle Lamp Company of America. 553,706, Jan. 22; Serial No. 554,317, published July 10, 1951.
Lighting fixtures. Garden City Plating & Manufacturing Co. 553,882, Jan. 22; Serial No. 600,043, published Sept. 18, 1951.
Ovens and dryers, Industrial. Young Brothers Company 553,869, Jan. 22; Serial No. 598,770, published Sept. 18, 1951.
Radiators and convectors, Heating. National Radiator Corporation. 290,837, Jan. 19, 1932. Republished Jan. 22.
Roasters and driers, Coffee. Jabez Burns & Sons, Inc. 553,807, Jan. 22; Serial No. 590,644, published Sept. 18, 1951.
Stokers, Automatic, and automatic stoker fired furnaces. Iron Fireman Manufacturing Company. 553,749, Jan. 22; Serial No. 578,856, published Oct. 16, 1951.

Tanks, Hot water, burners, inner and fire box liners, etc. Ruud Manufacturing Company. 553,709, Jan. 22; Serial No. 558,322, published Aug. 7, 1951.
Ventilators. Dohrmann Hotel Supply Co. 553,719, Jan. 22; Serial No. 561,908, published Sept. 25, 1951.
Ventilators. Trade-Wind Motorfans, Inc. 444,647, Jan. 22; Serial No. 498,814, published Sept. 25, 1951.

CLASS 35

Angular seals. Brummer Manufacturing Corporation. 553,760, Jan. 22; Serial No. 581,645, published Nov. 6, 1951.
Asbestos brake lining. Asbestos Manufacturing Company. 553,702, Jan. 22; Serial No. 545,325, published Nov. 23, 1948.
Belting, Leather. E. F. Houghton & Co. 291,994, renewed Mar. 1, 1952. O. G. Jan. 22.
Gaskets. Yarnall-Waring Company. 554,006, Jan. 22; Serial No. 609,021, published Nov. 6, 1951.
Machinery packing. James Walker & Co. 84,890, re-renewed Jan. 9, 1952. O. G. Jan. 22.
Natural or synthetic rubber. The Mohawk Rubber Company. 553,734, Jan. 22; Serial No. 570,873, published Nov. 6, 1951.
Packing, Non-jacketed plastic composition. Raybestos-Manhattan, Inc. 553,831, Jan. 22; Serial No. 594,234, published Nov. 6, 1951.
Rubber parts for assembly of aircraft. The H. O. Canfield Co. 553,923, Jan. 22; Serial No. 605,629, published Nov. 6, 1951.
Rubber vehicle-tires. Pennsylvania Rubber Company. 85,483, re-renewed Feb. 20, 1952. O. G. Jan. 22.
Thermoplastic valve and pump packing. Surveys, Inc. 554,025, Jan. 22; Serial No. 610,194, published Nov. 6, 1951.

CLASS 36

Talking machines and parts thereof. American Graphophone Company. 84,714, re-renewed Jan. 2, 1952. O. G. Jan. 22.

CLASS 37

Envelopes, writing paper, lead-pencils, etc. Mercantile Paper Company, Inc. 82,903, re-renewed Aug. 1, 1951. O. G. Jan. 22.
Folders, Vertical, and letter file guides. Sell Corporation. 554,071, Jan. 22; Serial No. 541,971.
Paper, All kinds of blotting. The Albemarle Paper Manufacturing Company. 291,293, renewed Feb. 9, 1952. O. G. Jan. 22.
Paper, Bond. Bradner Smith & Company. 554,132, Jan. 22; Serial No. 611,110.
Paper, Book printing. The Mead Corporation. 290,509, renewed Jan. 5, 1952. O. G. Jan. 22.
Paper, Gummed, Mid-States Gummed Paper Co. 554,087, Jan. 22; Serial No. 578,275.
Paper, Printing. The Mead Corporation. 288,015, renewed Oct. 20, 1951. O. G. Jan. 22.
Paper, Toilet. Stevens & Thompson Paper Co. 291,905, renewed Feb. 23, 1952. O. G. Jan. 22.
Paper, Waxed. Crown Zellerbach Corporation. 554,068, Jan. 22; Serial No. 527,116.
Pencils, Lead. Richard Best Pencil Company, Inc. 290,834, renewed Jan. 19, 1952. O. G. Jan. 22.
Pencils, Lead, colored pencils, copying pencils, etc. A. W. Faber. 85,852, re-renewed Mar. 26, 1952. O. G. Jan. 22.
Printed checks, Partially, invoices, journals, etc. J. J. Tucker. 554,112, Jan. 22; Serial No. 602,726.
Scrap books. C. Campbell. 288,014, renewed Oct. 20, 1951. O. G. Jan. 22.

CLASS 38

Magazine, Weekly. Frank A. Munsey Company. 289,807, renewed Dec. 8, 1951. O. G. Jan. 22.
Publication, Periodical. New York Evening Journal Publishing Company. 84,662, re-renewed Dec. 26, 1951. O. G. Jan. 22.
Publication, Periodical. New York Evening Journal Publishing Company. 84,664, re-renewed Dec. 26, 1951. O. G. Jan. 22.

CLASS 39

Apparel, Women's. Seamprufe Incorporated. 554,039–40, Jan. 22; Serial Nos. 611,375–6, published Oct. 30, 1951.
Aprons, Butchers'. S. Berkowitz. 554,122, Jan. 22; Serial No. 607,153.
Aprons, Women's and misses' textile. L. Nachman & Son, Inc. 553,692, Jan. 22; Serial No. 531,355, published Oct. 23, 1951.
Blouse and divided skirt, Combination. Weisman Brothers Lingerie Corp. 553,940, Jan. 22; Serial No. 606,583, published Oct. 23, 1951.
Blouses, Ladies'. A. Shapiro. 553,875, Jan. 22; Serial No. 599,661, published Oct. 23, 1951.
Brassières. V. Lebow. 554,032, Jan. 22; Serial No. 610,626, published Oct. 30, 1951.
Brassières. Peter Pan Foundations, Inc. 554,033. Jan. 22; Serial No. 610,712, published Oct. 23, 1951.
Brassières. United Mills Corporation. 553,886, Jan. 22; Serial No. 600,866, published Oct. 23, 1951.
Brassières, corsets, bandeaux and corset and brassière combinations. The Lucile Somarco Brassiere. 292,652, renewed Mar. 22, 1952. O. G. Jan. 22.
Caps, hats, shoes, etc., Men's, women's, misses' and children's. William Skinner & Sons. 553,809, Jan. 22; Serial No. 591,112, published Oct. 9, 1951.
Clothing, Work. Williamson-Dickie Manufacturing Co. 553,739, Jan. 22; Serial No. 573,281, published Oct. 9, 1951.
Clothing, Young men's. The Outlet Company. 553,891, Jan. 22; Serial No. 601,520, published Oct. 23, 1951.
Coats, trousers, vests, etc., Men's and boys. Levinsohn Bros. & Co., Inc. 218,052, Sept. 21, 1926. Republished Jan. 22.
Collars. Brooks Brothers. 553,927, Jan. 22; Serial No. 605,987, published Oct. 9, 1951.
Corsets. Rivoll Corset Co., Inc. 393,115, Jan. 27, 1942. Republished Jan. 22.
Corsets, girdles, and brassières. I. Newman & Sons, Incorporated. 553,826, Jan. 22; Serial No. 593,608, published Sept. 19, 1950.
Dress shirts, negligee shirts, work shirts, etc., Men's and boys'. Phillips-Jones Corporation. 553,825, Jan. 22; Serial No. 593,547, published Oct. 9, 1951.
Dresses, coats, jackets, etc., Infants' and children's. The May Department Stores Company. 374,178, Jan. 2, 1940. Republished Jan. 22.
Dresses, Misses' and ladies'. Murray White Company. 553,822, Jan. 22; Serial No. 593,197, published Oct. 30, 1951.
Dresses, skirts, suits, blouses, Ladies'. David Crystal, Inc. 554,042, Jan. 22; Serial No. 611,410, published Oct. 30, 1951.
Dresses, Women's. Ely & Walker Dry Goods Company. 553,772, Jan. 22; Serial No. 583,528, published Oct. 30, 1951.
Girdles. Artistic Foundations, Inc. 553,889, Jan. 22; Serial No. 601,131, published Oct. 23, 1951.
Girdles. Artistic Foundations, Inc. 553,928, Jan. 22; Serial No. 606,113, published Oct. 23, 1951.
Gloves. Fairfield Glove Co. 553,833, Jan. 22; Serial No. 594,705, published Oct. 23, 1951.
Gloves, Men's work. Good Luck Glove Company. 553,690, Jan. 22; Serial No. 529,004, published Mar. 14, 1950.
Gloves, Work. Riegel Textile Corporation. 553,910, Jan. 22; Serial No. 604,161, published Oct. 23, 1951.
Gloves, Workmen's fabric. Singer Glove Manufacturing Co. 553,983, Jan. 22; Serial No. 608,384, published Oct. 23, 1951.
Gowns, slips, panties, etc., Ladies'. A. N. Saab Co., Inc. 553,953, Jan. 22; Serial No. 607,354, published Oct. 23, 1951.
Hat covers. Joseph Lincoln Manufacturing Company, Inc. 553,729, Jan. 22; Serial No. 567,866, published Oct. 9, 1951.
Hats, Ladies'. Emporium World Millinery Co. 553,937, Jan. 22; Serial No. 606,517, published Oct. 23, 1951.
Hats, Men's and boys'. Paragon Hat Company. 553,936, Jan. 22; Serial No. 606,484, published Oct. 23, 1951.
Hosiery. Cooper, Wells & Co. 291,819, renewed Feb. 23, 1952. O. G. Jan. 22.
Hosiery, Men's, women's, and children's. A. Weiss Hosiery Company. 554,089, Jan. 22; Serial No. 580,387.
Housedresses, Cotton, maids', waitresses', and nurses' cotton uniforms, cotton bloomer-legged gymnasium suits and shorts, etc. J. Katzenberg & Co. 553,915, Jan. 22; Serial No. 604,850, published Oct. 23, 1951.
Knitted underwear and T shirts, knitted undershirts, etc., Men's. Fort Schuyler Knitting Company. 553,743, Jan. 22; Serial No. 576,258, published Nov. 14, 1950.
Mittens and gloves, Children's. V. Sperandeo. 554,016, Jan. 22; Serial No. 609,608, published Oct. 23, 1951.
Neckties, Pre-tied, and bow ties. L. Murgatroyd. 553,948, Jan. 22; Serial No. 607,260, published Oct. 9, 1951.
Neckwear. John Z. Brauman, Inc. 553,759, Jan. 22; Serial No. 581,643, published Oct. 9, 1951.
Nightgowns, sleeping pajamas, slips and half slips. Onyx Ladies Underwear Inc. 553,991, Jan. 22; Serial No. 608,669, published Oct. 23, 1951.
Outerwear. Monarch Manufacturing Company. 553,952, Jan. 22; Serial No. 607,338, published Oct. 23, 1951.
Overcoats and topcoats, Men's and boys' overcoats and topcoats. Levinsohn Bros. & Co., Inc. 392,178, Dec. 16, 1941. Republished Jan. 22.
Pajamas, pajama coats, beach coats, and bath robes, Men's, women's and children's. Kaylon Incorporated. 553,758, Jan. 22; Serial No. 581,266, published Oct. 9, 1951.
Panties, slips, nightgowns, etc., Ladies'. Associated Distributors, Inc. 553,705, Jan. 22; Serial No. 552,932, published Oct. 23, 1951.
Scarves, Women's and misses'. Baar & Beards, Inc. 553,992, Jan. 22; Serial No. 608,695, published Oct. 9, 1951.
Shirts, Boys' outer. Salant & Salant, Inc. 554,015, Jan. 22; Serial No. 609,605, published Oct. 9, 1951.
Shirts, Men's and boys' negligee, dress and work. Weiss Shirt Company, Inc. 553,954, Jan. 22; Serial No. 607,465, published Oct. 23, 1951.
Shirts, Men's and boys' outer. Cluett, Peabody & Co., Inc. 553,977, Jan. 22; Serial No. 608,197, published Oct. 9, 1951.
Shirts, Men's outer. Imperial Outfitters to Large Men, Inc. 553,904, Jan. 22; Serial No. 603,117, published Sept. 18, 1951.

Shirts, Men's, women's and children's. H. R. Pully. 553,903, Jan. 22; Serial No. 603,079, published Oct. 9, 1951.
Shirts, Men's, women's, boys' and girls' outer, and men's and boys' ties. Phillips-Jones Corporation. 553,830, Jan. 22; Serial No. 594,062, published Oct. 9, 1951.
Skirts, women's jackets and women's hats. Handmacher-Vogel, Inc. 553,814, Jan. 22; Serial No. 591,926, published Oct. 23, 1951.
Slacks. Liberty Trouser & Overall Co. 553,815, Jan. 22; Serial No. 591,936, published Oct. 9, 1951.
Slacks, overalls, overall union suits, jackets, etc., Boys'. Hortex Manufacturing Co., Inc. 553,845, Jan. 22; Serial No. 596,094, published Oct. 23, 1951.
Slips, bloomers, panties, etc., Ladies' and misses'. Gluvtex Corporation. 553,993, Jan. 22; Serial No. 608,702, published Oct. 23, 1951.
Slips, gowns, panties, etc., Women's. Holeproof Hosiery Co. 553,778, Jan. 22; Serial No. 584,453, published Oct. 30, 1951.
Slips, Ladies' and children's. I. Schneierson & Sons, Inc. 553,888, Jan. 22; Serial No. 600,982, published Oct. 23, 1951.
Slips, Women's. E. Darwin. 554,126, Jan. 22; Serial No. 609,334.
Ties, Bow, straight ties, scarfs, etc. D. Wahl. 553,731, Jan. 22; Serial No. 569,785, published Dec. 12, 1950.
Trousers, Men's and boys'. Thomson Company. 553,806, Jan. 22; Serial No. 590,534, published Nov. 14, 1950.
Trousers, overalls, coats, etc., Men's and women's. G. Kennedy. 553,722, Jan. 22; Serial No. 564,691, published Sept. 4, 1951.
Undergarments, Ladies'. Briarcliff Mills. 554,017, Jan. 22; Serial No. 609,627, published Oct. 30, 1951.
Underwear, Ladies'. H. W. Epstein Corporation. 554,012, Jan. 22; Serial No. 609,438, published Oct. 23, 1951.
Underwear, Men's and women's. Celanese Corporation of America. 291,092, renewed Jan. 26, 1952. O. G. Jan. 22.
Underwear, Men's, women's, and children's. Walter W. Moyer Company. 554,002, Jan. 22; Serial No. 608,940, published Oct. 23, 1951.
Wearing apparel. The Harvey Co. 553,716, Jan. 22; Serial No. 561,374, published Oct. 23, 1951.

CLASS 42

Blankets. The May Department Stores Company. 302,538, Apr. 25, 1933. Republished Jan. 22.
Carpets and rugs, Textile. Artloom Carpet Co., Inc. 553,914, Jan. 22; Serial No. 604,831, published Oct. 23, 1951.
Cloth. A. D. Ellis Mills Incorporated. 291,774, renewed Feb. 23, 1952. O. G. Jan. 22.
Cloth, Woolen, and mixed wool and cotton cloth. Levinsohn Bros. & Co., Inc. 357,169, May 24, 1938. Republished Jan. 22.
Cloths, Knitted and woven. Continental Mills, Inc. 553,717, Jan. 22; Serial No. 561,383, published Nov. 6, 1951.
Curtains, De luxe and imperial. The May Department Stores Company. 373,547, Dec. 12, 1939. Republished Jan. 22.
Curtains, Shower. Plastron, Inc. 444,204, Sept. 12, 1950. Republished Jan. 22.
Curtains, Window, shower curtains, drapes, etc. House Beautiful Curtains Inc. 553,698, Jan. 22; Serial No. 542,131, published Nov. 23, 1948.
Duck. William L. Barrell Co. 84,809, re-renewed Jan. 9, 1952. O. G. Jan. 22.
Duck. William L. Barrell Co. 84,895, re-renewed Jan. 9, 1952. O. G. Jan. 22.
Fabrics. Celanese Corporation of America. 291,328, renewed Feb. 9, 1952. O. G. Jan. 22.
Fabrics. Celanese Corporation of America. 292,513, renewed Mar. 15, 1952. O. G. Jan. 22.
Fabrics. Celanese Corporation of America. 292,516, renewed Mar. 15, 1952. O. G. Jan. 22.
Fabrics. Celanese Corporation of America. 292,601, renewed Mar. 15, 1952. O. G. Jan. 22.
Fabrics. Celanese Corporation of America. 292,849, renewed Mar. 29, 1952. O. G. Jan. 22.
Fabrics in the piece, Textile. Bachmann Uxbridge Worsted Corporation. 554,053, Jan. 22; Serial No. 614,188, published Nov. 6, 1951.
Fabrics in the piece, Woven, knitted, netted, textile and pile. Cheney Brothers. 292,379, renewed Mar. 15, 1952. O. G. Jan. 22.
Fabrics, Woven elastic. Rayflex Fabrics, Inc. 554,052, Jan. 22; Serial No. 613,651, published Oct. 23, 1951.
Goods in the piece, Woolen. Worumbo Manufacturing Company. 553,838, Jan. 22; Serial No. 595,348, published Oct. 30, 1951.
Piece goods. The Cyril Johnson Woolen Company. 553,871, Jan. 22; Serial No. 599,000, published Oct. 23, 1951.
Piece goods, Woolen. S. Stein & Co. 83,287, re-renewed Aug. 29, 1951. O. G. Jan. 22.
Piece goods, Woolen cloth, and mixed wool and cotton cloth piece goods. Levinsohn Bros. & Co., Inc. 363,213, Dec. 13, 1938. Republished Jan. 22.
Textile ribbons. Artistic Manufacturing Co., Incorporated. 553,925, Jan. 22; Serial No. 605,888, published Oct. 9, 1951.

CLASS 43

Thread and yarn. The Clark Thread Company. 290,675–6, Jan. 12, 1932. Republished Jan. 22.
Thread and yarn, Cotton. The Spool Cotton Company. 84,758–60, Jan. 2, 1912. Republished Jan. 22.
Yarn. E. Flock. 553,790, Jan. 22; Serial No. 586,595, published Oct. 23, 1951.
Yarns. Eastyarn, Inc. 553,842, Jan. 22; Serial No. 595,713, published Oct. 23, 1951.

CLASS 44

Electronic instruments for measuring and indicating electrical impulses of the human body. O'Connor & Keeler Laboratories, Inc. 554,082, Jan. 22; Serial No. 573,674.
Hair dryers and vibrators. Morris Struhl, Inc. 553,769, Jan. 22; Serial No. 582,927, published Sept. 11, 1951.
Hearing aids. Bell Audiphone Company. 554,117, Jan. 22; Serial No. 603,981.
Inhalers, passenger inhalers, anesthesia and gas tables, etc. The Foregger Company, Inc. 553,801, Jan. 22; Serial No. 589,153, published Sept. 18, 1951.
Prophylactic rubber articles. Dean Rubber Manufacturing Company. 287,568, Sept. 29, 1931. Republished Jan. 22.
Surgeons' gloves. The Seamless Rubber Company. 554,114, Jan. 22; Serial No. 603,550.

CLASS 45

Beverages, Nonalcoholic, noncereal, maltless. Old Fashion Ma's Root Beer Bottling Company. 415,105, July 10, 1945. Republished Jan. 22.
Beverages, Nonalcoholic, noncereal, maltless. Old Fashion Ma's Root Beer Bottling Company. 417,147, Oct. 16, 1945. Republished Jan. 22.
Beverages, Non-alcoholic, noncereal, maltless. L. Steinberger & Sons, Inc. 554,077, Jan. 22; Serial No. 559,953.
Chocolate syrup. J. Hungerford Smith Co. 553,696, Jan. 22; Serial No. 533,063, published Sept. 25, 1951.
Soft-drink, Non-alcoholic maltless. J. P. Jones. 554,072, Jan. 22; Serial No. 547,733.
Soft drinks, Maltless, and carbonated waters. The Gosman Company. 554,131, Jan. 22; Serial No. 610,965.

CLASS 46

Anti-oxidant preparation for addition to cooking oils and fats. Savoil, Inc. 554,105, Jan. 22; Serial No. 597,702.
Apple juice and deciduous fresh fruits. Berks-Lehigh Cooperative Fruit Growers, Inc. 553,848, Jan. 22; Serial No. 596,475, published Oct. 23, 1951.
Bread. Gateway Baking Company. 344,557, Mar. 30, 1937. Republished Jan. 22.
Butter and dried milk solids. State Brand Creameries, Inc. 553,721, Jan. 22; Serial No. 563,826, published Oct. 30, 1951.
Cake, Fruit, and flavor sugars. Stephen Leeman Products Company. 553,975, Jan. 22; Serial No. 608,074, published Sept. 18, 1951.
Cake mixture, Devil's-food. Bear-Stewart Co. 553,899, Jan. 22; Serial No. 602,542, published Oct. 2, 1951.
Candles. Mason, Au & Magenheimer Conf. Mfg. Co. 553,902, Jan. 22; Serial No. 603,016, published Oct. 16, 1951.
Candy. A. E. Auger. 553,693, Jan. 22; Serial No. 531,749, published Oct. 30, 1951.
Candy. E. J. Brach & Sons. 553,715, Jan. 22; Serial No. 561,224, published Nov. 6, 1951.
Candy, chocolate. Lindt & Sprungli, Inc. 553,938, Jan. 22; Serial No. 606,533, published Oct. 2, 1951.
Candy, Nut. A. Sahadi and Co., Inc. 554,102, Jan. 22; Serial No. 595,281.
Candy, Packaged. Parker Candy Company, Inc. 554,123, Jan. 22; Serial No. 607,298.
Canned bean sprouts, and fast frozen vegetable chop suey. Soya Food Products, Inc. 553,730, Jan. 22; Serial No. 568,544, published Sept. 18, 1951.
Canned corn. Idaho Canning Co. Ltd. 553,695, Jan. 22; Serial No. 532,595, published Nov. 6, 1951.
Canned corn. W. E. Silver. 553,718, Jan. 22; Serial No. 561,694, published Oct. 30, 1951.
Canned dog food. S. and J. Criden. 553,935, Jan. 22; Serial No. 606,416, published Oct. 16, 1951.
Canned fish. Columbia River Packers Association, Inc. 553,999, Jan. 22; Serial No. 608,787, published Oct. 9, 1951.
Canned foods. International Distributing Export Co., Inc. 554,116, Jan. 22; Serial No. 603,956.
Canned fresh, and fresh frozen fish. Columbia River Packers Association, Inc. 553,996–7, Jan. 22; Serial Nos. 608,780–1, published Oct. 9, 1951.
Canned, fresh, and fresh frozen fish. Columbia River Packers Association, Inc. 554,041, Jan. 22; Serial No. 611,406, published Oct. 9, 1951.
Canned fruits and vegetables. J. E. Kriete. 51,080, Apr. 3, 1906. Republished Jan. 22.

Canned fruits, canned vegetables, canned fish, etc. Berger & Plate Company of San Francisco. 553,835, Jan. 22; Serial No. 594,946, published Oct. 9, 1951.
Canned pimientos. The Hills Brothers Company. 292,249, renewed Mar. 8, 1952. O. G. Jan. 22.
Canned salmon. Columbia River Packers Association, Inc. 553,998, Jan. 22; Serial No. 608,784, published Oct. 9, 1951.
Canned salmon, tuna, crab, etc. J. J. Funsten. 553,697, Jan. 22; Serial No. 538,392, published Oct. 30, 1951.
Canned sardines. Sunset Packing Co., Inc. 554,023, Jan. 22; Serial No. 610,108, published Oct. 30, 1951.
Canned tomato puree. Fair View Packing Company, Inc. 554,043, Jan. 22; Serial No. 611,567, published Oct. 30, 1951.
Canned tuna. Hawaiian Tuna Packers, Limited. 553,955–6, Jan. 22; Serial Nos. 607,500–1, published Oct. 9, 1951.
Cereal preparations, Breakfast. Gerber Products Company. 553,808, Jan. 22; Serial No. 590,744, published Nov. 6, 1951.
Cheese. Antonio Auricchio & Errico Auricchio. 553,786, Jan. 22; Serial No. 585,501, published Oct. 23, 1951.
Cheese. Kraft Foods Company. 553,834, Jan. 22; Serial No. 594,849, published Oct. 30, 1951.
Chocolates and bonbons. The R. M. Haan Candy Co., Inc. 553,922, Jan. 22; Serial No. 605,584, published Oct. 2, 1951.
Coatings for chocolate and confectionery. H. H. Ottens. 37,807, re-renewed Feb. 18, 1952. O. G. Jan. 22.
Coffee, Package, and package condiments. The Creasey Company. 553,856, Jan. 22; Serial No. 597,067, published Oct. 30, 1951.
Confections. Topps Chewing Gum, Incorporated. 553,976, Jan. 22; Serial No. 608,131, published Sept. 18, 1951.
Corn oil. Penick & Ford, Ltd., Incorporated. 553,906, Jan. 22; Serial No. 603,306 published Oct. 2, 1951.
Cotton-seed oil. Van Camp Packing Co., Incorporated. 288,297, renewed Oct. 20, 1951. O. G. Jan. 22.
Eggs, Fresh. Bowman Dairy Company. 553,742, Jan. 22; Serial No. 574,338, published Sept. 25, 1951.
Feeds, Cattle and hog. Harper & Martin. 553,960, Jan. 22; Serial No. 607,590, published Nov. 6, 1951.
Feeds, Cattle, hog feeds, and poultry feeds. Batcheller's, Inc. 553,981, Jan. 22; Serial No. 608,341, published Sept. 18, 1951.
Feeds, Poultry and livestock. Lindsey-Robinson & Company, Inc. 553,752, Jan. 22; Serial No. 579,504, published Sept. 25, 1951.
Feeds, Poultry and livestock, and dairy rations. Lindsey-Robinson & Company, Inc. 553,905, Jan. 22; Serial No. 603,245, published Oct. 2, 1951.
Flavoring extracts. Fred Fear & Co. 553,744, Jan. 22; Serial No. 576,397, published Sept. 25, 1951.
Flour, Wheat. The Colorado Milling & Elevator Co. 553,707, Jan. 22; Serial No. 554,951, published Nov. 6, 1951.
Flour, Wheat. Flour Mills of America, Inc. 554,069, Jan. 22; Serial No. 532,392.
Flour, Wheat. Flour Mills of America, Inc. 554,073, Jan. 22; Serial No. 552,548.
Food flavoring. House of Herbs, Inc. 554,096, Jan. 22; Serial No. 589,447.
Food for dogs. A. F. Sherley. 84,260, re-renewed Nov. 21, 1951. O. G. Jan. 22.
Foods, Prepared. R. U. Delapenha & Co. Inc. 291,205, renewed Feb. 2, 1952. O. G. Jan. 22.
Fruit, Dried. California Prune and Apricot Growers Association. 553,934, Jan. 22; Serial No. 606,366, published Sept. 18, 1951.
Fruit, Fresh citrus, and canned citrus fruit juices and blends thereof. Scenic Citrus Cooperative. 553,969, Jan. 22; Serial No. 607,871, published Oct. 9, 1951.
Fruits and vegetables, Frozen. Ark-Homa Farms Frozen Foods, Inc. 553,860, Jan. 22; Serial No. 597,729, published Oct. 9, 1951.
Fruits, Dried. California Prune and Apricot Growers Association. 553,933, Jan. 22; Serial No. 606,365, published Nov. 6, 1951.
Fruits, Fresh citrus. J. E. Pogue Packing House. 553,700, Jan. 22; Serial No. 543,742, published Nov. 6, 1951.
Fruits, Fresh citrus, and canned tangerine juice. Scenic Citrus Cooperative. 553,970, Jan. 22; Serial No. 607,872, published Sept. 25, 1951.
Fruits, Fresh deciduous, fresh citrus fruits. Simons & French Company, Inc. 291,142, renewed Jan. 26, 1952. O. G. Jan. 22.
Ham, Cooked. Tobin Packing Co., Inc. 553,986, Jan. 22; Serial No. 608,522, published Oct. 23, 1951.
Hamburger sandwiches. C. F. Cedarholm. 553,788, Jan. 22; Serial No. 586,141, published Oct. 23, 1951.
Hog food, chick mash, chick food, etc. The Crete Mills. 285,227, renewed July 21, 1951. O. G. Jan. 22.
Jelly, Fruit, bread mixes, moist type and powdered fruit fillings, etc. Joseph Middleby, Jr. Inc. 553,708, Jan. 22; Serial No. 554,995, published Oct. 2, 1951.
Malt. The Columbia Malting Company. 553,920, Jan. 22; Serial No. 605,351, published Sept. 18, 1951.
Meat and vegetable aspics. Majthenyi's Food Corp. 553,851, Jan. 22; Serial No. 596,856, published Sept. 18, 1951.
Meat products. Swift & Company. 553,929, Jan. 22; Serial No. 606,182, published Sept. 18, 1951.
Meat sauce. The Hills Brothers Company. 292,618, renewed Mar. 22, 1952. O. G. Jan. 22.
Meats, Smoked, sausage boiled ham, etc. Oscar Mayer & Company. 361,936, Nov. 8, 1938. Amended. O. G. Jan. 22.
Milk beverage, Flavored. National Dairy Products Corporation. 554,009, Jan. 22; Serial No. 609,187, published Oct. 9, 1951.
Milk, Evaporated. Morning Milk Company. 553,824, Jan. 22; Serial No. 593,432, published Oct. 23, 1951.
Molasses, honey and pancake syrup. Boston Molasses Company. 444,650–1, Jan. 22; Serial Nos. 523,359–60, published Oct. 9, 1951.
Olive oil, Edible. B. M. Reeves Company, Inc. 553,994, Jan. 22; Serial No. 608,717, published Oct. 30, 1951.
Olive oil, Edible. R. C. Williams & Company, Inc. 554,128, Jan. 22; Serial No. 609,992.
Package of raw popcorn, popping oil and seasoning, Combined. B. Banowitz. 553,867, Jan. 22; Serial No. 598,518, published Sept. 25, 1951.
Pastry mix. A. Carnavos. 554,127, Jan. 22; Serial No. 609,779.
Peanuts, Shelled salted. Planters Nut & Chocolate Co. 553,895, Jan. 22; Serial No. 602,109, published Oct. 30, 1951.
Peas, Frozen. Green Giant Company. 554,026, Jan. 22; Serial No. 610,213, published Oct. 30, 1951.
Pecans in the shell. Dothan Seed & Supply Company, Inc. 553,974, Jan. 22; Serial No. 608,058, published Nov. 6, 1951.
Pie fillings. Jos. Middleby, Jr., Inc. 85,463, re-renewed Feb. 20, 1952. O. G. Jan. 22.
Rice. Rice Growers Association of California. 553,836, Jan. 22; Serial No. 594,995, published Oct. 23, 1951.
Salt, Stock feeding. Jefferson Island Salt Company. 553,796, Jan. 22; Serial No. 588,834, published Sept. 25, 1951.
Sausage binder. Meat Industry Suppliers, Inc. 553,964, Jan. 22; Serial No. 607,713, published Oct. 30, 1951.
Sea Foods, Frozen. A. N. Quartararo. 554,094, Jan. 22; Serial No. 587,616.
Shrimp, Fresh frozen. Carmen Sea Food Company. 553,800, Jan. 22; Serial No. 589,143, published Nov. 6, 1951.
Syrup, Table. The Lancaster Wholesale Grocery Company, Incorporated. 553,966, Jan. 22; Serial No. 607,758, published Oct. 2, 1951.
Syrups, Table, and food flavoring extracts. Fred Fear & Co. 288,971, renewed Nov. 10, 1951. O. G. Jan. 22.
Turkey portions, Packaged. Henny Penny, Inc. 553,878, Jan. 22; Serial No. 599,828, published Oct. 30, 1951.
Vegetable seasoning. Gravymaster Company, Inc. 553,941, Jan. 22; Serial No. 606,607, published Sept. 25, 1951.
Vegetables and berries, Fresh. Bezzerides Bros. 554,133, Jan. 22; Serial No. 611,678.
Vegetables, Fresh. D'Arrigo Bros. Co. of California. 553,859, Jan. 22; Serial No. 597,435, published Oct. 30, 1951.
Vegetables, Fresh. Pacific Gamble Robinson Company. 553,949, Jan. 22; Serial No. 607,297, published Oct. 2, 1951.
Vegetables, Fresh. A. Rossi. 553,971, Jan. 22; Serial No. 608,018, published Oct. 2, 1951.
Whip topping, Homogenized. Wilson-Simon Foods, Inc. 553,995, Jan. 22; Serial No. 608,777, published Oct. 9, 1951.
Yeast, Dried brewer's. Olympia Brewing Company. 554,110, Jan. 22; Serial No. 601,998.
Yerba mate. Sociedad Anonima Mackinnon & Coelho, Limitada Companin Yerbatera. 289,781, Dec. 8, 1931. Republished Jan. 22.

CLASS 47

Wine, Aperitive. Kina Rok. 553,720, Jan. 22; Serial No. 563,068, published Oct. 9, 1951.
Wine, Cherry. Vintage Wines, Inc. 553,932, Jan. 22; Serial No. 606,346, published Sept. 4, 1951.
Wine, Cooking. Francis H. Leggett & Company. 553,967, Jan. 22; Serial No. 607,820, published Oct. 16, 1951.
Wines. Bisceglia Brothers Wine Co. 553,703, Jan. 22; Serial No. 547,226, published Oct. 2, 1951.
Wines. California Grape Products Company, Ltd. 553,764, Jan. 22; Serial No. 582,412, published Oct. 9, 1951.
Wines. B. R. Firidolfi. 444,648, Jan. 22; Serial No. 514,325, published Oct. 2, 1951.
Wines. Ben R. Goltsman, Ltd. 553,850, Jan. 22; Serial No. 596,840, published Oct. 2, 1951.
Wines. Monarch Wine Company of Georgia. 553,918; Jan. 22; Serial No. 605,320, published Oct. 2, 1951.
Wines. Monarch Wine Co. of Georgia. 553,919, Jan. 22; Serial No. 605,321, published Oct. 2, 1951.
Wines. Padre Vineyard Company. 553,839, Jan. 22; Serial No. 595,393, published Sept. 4, 1951.
Wines. F. Pirrone & Sons, Inc. 553,795, Jan. 22; Serial No. 588,513, published Oct. 2, 1951.

CLASS 48

Ale. Carlton & United Breweries Limited. 554,125, Jan. 22; Serial No. 607,418.

Beer. Carlton & United Breweries Limited. 554,124, Jan. 22; Serial No. 607,416.
Beer. Fitger Brewing Company. 554,113, Jan. 22; Serial No. 603,187.
Beer. Wm. J. Lemp Brewing Co. 37,901, re-renewed Mar. 4, 1952. O. G. Jan. 22.

CLASS 49

Alcoholic beverages. The Calvert Distilling Co. 553,965, Jan. 22; Serial No. 607,738, published Oct. 2, 1951.
Alcoholic beverages. Carstairs Bros. Distilling Co., Inc. 553,978, Jan. 22; Serial No. 608,235, published Oct. 2, 1951.
Alcoholic beverages. Paul Jones and Company, Inc. 553,989–90, Jan. 22; Serial Nos. 608,608–9, published Oct. 9, 1951.
Alcoholic beverages. Paul Jones and Company, Inc. 554,019, Jan. 22; Serial No. 609,803, published Oct. 9, 1951.
Liqueurs. Société Anonyme de la Vieille Cure de Cenon. 444,652, Jan. 22; Serial No. 525,747, published Aug. 28, 1951.
Whiskey. Geo. H. Gould Company, Incorporated. 553,732, Jan. 22; Serial No. 570,415, published Sept. 25, 1951.
Whiskey. H & H Distributing Company, Inc. 553,911, Jan. 22; Serial No. 604,200, published Oct. 2, 1951.
Whiskey. The Old Joe Distillery Company. 553,770, Jan. 22; Serial No. 583,111, published Aug. 28, 1951.
Whiskey. Popper Morson Company. 553,755, Jan. 22; Serial No. 579,943, published Aug. 28, 1951.
Whiskey. Schenley Distillers Corporation. 553,701, Jan. 22; Serial No. 544,769, published Aug. 28, 1951.
Whiskey. Standard Distillers Products. 553,712, Jan. 22; Serial No. 560,061, published Aug. 28, 1951.
Whiskey. Sunset Incorporated. 444,649, Jan. 22; Serial No. 516,227, published Sept. 25, 1951.
Whiskies and gin. Stitzel-Weller Distillery. 553,765, Jan. 22; Serial No. 582,397, published Aug. 28, 1951.
Whisky, Scotch. George Ballantine & Son Limited. 553,794, Jan. 22; Serial No. 588,156, published Sept. 4, 1951.

CLASS 50

Animal traps. Automatic Traps Company, Inc. 554,115, Jan. 22; Serial No. 603,628.
Blackboards. Everlast Blackboard Manufacturing Company. 554,103, Jan. 22; Serial No. 595,879.
Garment hangers. J. Grimberg. 290,269, renewed Jan. 5, 1952. O. G. Jan. 22.
Kits including several items from the following list: Venetian blind cords, Venetian blind tapes, etc. J. Rubenstein & Sons. 553,908, Jan. 22; Serial No. 603,896, published Oct. 16, 1951.
Leatherboard. George O. Jenkins Company. 292,677, renewed Mar. 22, 1952. O. G. Jan. 22.
Manikin wigs. Stylewear Display Accessories, Inc. 554,130, Jan. 22; Serial No. 610,868.
Mannikins, Posable. Master Artist Materials, Inc. 554,111, Jan. 22; Serial No. 602,269.
Rug pads and cushions. Allen Industries, Incorporated. 554,097, Jan. 22; Serial No. 590,211.

CLASS 51

After shaving lotions. Ar. Winarick, Inc. 275,460, Sept. 23, 1930. Republished Jan. 22.
Antiseptic and deodorizing denture adhesive. Consolidated Cosmetics. 553,897, Jan. 22; Serial No. 602,439, published Sept. 4, 1951.
Liquid cleanser, face powder, cleansing cream, etc. National Toilet Company. 292,286, renewed Mar. 8, 1952. O. G. Jan. 22.
Lotion, Lanolin, suntan lotion, toilet cream, etc. Botany Mills, Inc. 553,883, Jan. 22; Serial No. 600,115, published Oct. 2, 1951.
Mascara, eyebrow pencils, eye shadow, etc. Maybelline Co. 554,011, Jan. 22; Serial No. 609,248, published Oct. 2, 1951.
Neutralizing lotions. Sales Affiliates, Inc. 554,098, Jan. 22; Serial No. 593,018.
Perfume. Chanel, Inc. 554,078–9, Jan. 22; Serial No. 566,500–1.
Perfume, toilet water, eau de cologne. Fontaine Perfume Corporation. 554,088, Jan. 22; Serial No. 578,582.
Preparation containing keratin for use after shampooing. The Wella Corporation. 553,747, Jan. 22; Serial No. 577,997, published Sept. 4, 1951.
Tints and dyes for the hair. The Nestle-Le Mur Company. 554,106, Jan. 22; Serial No. 598,744.
Toilet preparations and drugs. Hahn Department Stores, Inc. 295,115–16, June 21, 1932. Republished Jan. 22.
Toilet water. Charles of the Ritz, Inc. 553,783, Jan. 22; Serial No. 585,427, published Sept. 11, 1951.

CLASS 52

After shaving lotions. Ar. Winarick, Inc. 275,460, Sept. 23, 1930. Republished Jan. 22.
Cleaning compound, General. Century Metalcraft Corporation. 553,741, Jan. 22; Serial No. 573,645, published Oct. 30, 1951.
Cleaning preparation, Water or waterless hand. Goodenow-Morley Company. 553,959, Jan. 22; Serial No. 607,588, published Sept. 11, 1951.
Cleansing and revitalizing compound. Driscoll, Martin, & Company. 553,837, Jan. 22; Serial No. 595,065, published Oct. 30, 1951.
Shampoo, Cream. Primrose House, Inc. 553,962, Jan. 22; Serial No. 607,601, published Sept. 11, 1951.
Washing and scouring agent. General Dyestuff Corporation. 291,215, renewed Feb. 2, 1952. O. G. Jan. 22.

CLASS 100

Arboricultural services. National Arborist Association, Incorporated. 554,067, Jan. 22; Serial No. 606,079, published Nov. 6, 1951.
Designing of gift wrappings and advisory and consultation services in gift wrapping. Modern Packagings. 554,065, Jan. 22; Serial No. 605,044, published Oct. 30, 1951.
Funeral plan services. R. B. Davis. 554,063, Jan. 22; Serial No. 591,284, published Oct. 30, 1951.
Heat and control engineering service. Westinghouse Electric Corporation. 554,055, Jan. 22; Serial No. 531,743, published Oct. 30, 1951.
Restaurant and drive-in lunch service. W. A. Sorensen. 554,060, Jan. 22; Serial No. 556,490, published Oct. 30, 1951.
Services rendered to breeders of live chinchillas. National Chinchilla Breeders of America, Incorporated. 554,064, Jan. 22; Serial No. 599,576, published Oct. 30, 1951.

CLASS 101

Employment services. R. B. Miller. 554,136, Jan. 22; Serial No. 576,589.

CLASS 102

General insurance brokerage service. L. L. Elwell. 554,137, Jan. 22; Serial No. 577,174.
Real estate brokerage services. C. C. Risley. 554,138, Jan. 22; Serial No. 606,568.

CLASS 103

Technical services in the oil fields. Lane-Wells Company. 554,062, Jan. 22; Serial No. 579,985, published Oct. 30, 1951.

CLASS 104

Services consisting of radio program broadcasting. Crosley Broadcasting Corporation. 554,056, Jan. 22; Serial No. 541,098, published Oct. 30, 1951.

CLASS 105

Air transporation of passengers, freight and mail. Western Air Lines, Inc. 554,054, Jan. 22; Serial No. 494,878, published Nov. 6, 1951.

CLASS 106

Services in the enabling and effectuation, through and by personnel, apparatus and materials belonging to it or its said related company, of the use, on the premises of others, of procedures for the treatment of fruits and vegetables, etc. Wallace & Tiernan Products, Inc. 554,059, Jan. 22; Serial No. 555,578, published Oct. 30, 1951.

CLASS 107

Entertainment service. A. Swenson. 554,066, Jan. 22; Serial No. 607,458, published Oct. 30, 1951.
Information service. Bulletin Company. 554,057, Jan. 22; Serial No. 543,252, published Oct. 30, 1951.
Information service. Bulletin Company. 554,058, Jan. 22; Serial No. 543,254, published Oct. 30, 1951.
Instruction in dancing. Arthur Murray, Inc. 554,061, Jan. 22; Serial No. 563,865, published Oct. 30, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22d DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice)

National Steel Corporation, assignee: *See*—
Rieger, Ernest W.

Rieger, Ernest W., Bloomingdale, Ohio, assignor to National Steel Corporation. Apparatus for electrocoating striplike material. Re. 23,456, Jan. 22.

White, Gerald E., assignor to White Products Corporation, Middleville, Mich. Tank port and coupling. Re. 23,457, Jan. 22.

White Products Corporation, assignee: *See*—
White, Gerald E.

LIST OF DESIGN PATENTEES

Albert, Alfred R., Chicago, Ill. Ash tray. 165,705, Jan. 22.

American Optical Company, assignee: *See*—
Baratelli, Charles A.

Anderson, Hilbart F.: *See*—
Currie, Ray E., and Anderson.

Baratelli, Charles A., Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting or the like. 165,706, Jan. 22.

Big Square Corporation, assignee: *See*—
Currie, Ray E., and Anderson.

Buehler, Carl, Palatine, assignor to Victor Adding Machine Co., Chicago, Ill. Combined drafting board, reference table and cabinet. 165,707, Jan. 22.

Canal National Bank of Portland, The, trustee, assignee: *See*—
Despres, Urban H.

Clark, Janet H., Pasadena, Calif. Eyeglass holder. 165,708, Jan. 22.

Crane, Paul T., New York, N. Y. Plant receptacle. 165,709, Jan. 22.

Currie, Ray E., and H. F. Anderson, assignors to Big Square Corporation, Oakland, Calif. Patio table. 165,710, Jan. 22.

Despres, Urban H., Clinton, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, Portland, Maine, trustees. Cup. 165,711, Jan. 22.

Dodge, Incorporated, assignee: *See*—
Fitzgerald, Edward B.

Fitzgerald, Edward B., assignor to Dodge, Incorporated, Chicago, Ill. Combination bank and book end. 165,712, Jan. 22.

Foster Grant Co., Inc., assignee: *See*—
Watkins, Joseph R.

Gordon, Barnett D., Brookline, Mass. Sweater. 165,713, Jan. 22.

Hanna, Edward C., Waynesboro, Pa., assignor to The Thompson Grinder Company, Springfield, Ohio. Grinding machine. 165,714, Jan. 22.

Johnson, Velma D., Portland, Oreg. Hat. 165,715, Jan. 22.

Kenmar Manufacturing Company, The, assignee: *See*—
Maurer, Fred C.

Laham, George S., Wichita, Kans. Sandal. 165,716, Jan. 22

Maurer, Fred C., assignor to The Kenmar Manufacturing Company, East Palestine, Ohio. Chair. 165,717, Jan. 22.

Meyerson, Samuel, Brooklyn, N. Y. Expansible link chain for a bracelet or the like. 165,718, Jan. 22.

Meyerson, Samuel, Brooklyn, N. Y. Expansible link chain for a bracelet or the like. 165,719, Jan. 22.

Nulty, William B., trustee, assignee: *See*—
Despres, Urban H.

Pierce, Maurice C., Chicago, Ill. Warning signal. 165,720, Jan. 22.

Post, Morris, assignee: *See*—
Rodier, Miriam.

Post and Sherman, assignee: *See*—
Rodier, Miriam.

Rand, Morris, New York, N. Y. Foldable sunglasses. 165,721, Jan. 22.

Robbins & Myers, Inc., assignee: *See*—
Zimmer, George H., Jr.

Rodier, Miriam, assignor to Jack Sherman and Morris Post, doing business as Post and Sherman, New York, N. Y. Plastic table mat. 165,722, Jan. 22.

Schneeloch, Paul, Brooklyn, N. Y. Glass dish. 165,723, Jan. 22.

Sherman, Jack, assignee: *See*—
Rodier, Miriam.

Straage, Charles H., White Plains, N. Y. Combined letter scale, paper clips, and stamp container. 165,724, Jan. 22.

Swedlin, Jacob, Rockville, Centre, N. Y. Doll or similar article. 165,725, Jan. 22.

Thompson Grinder Company, The, assignee: *See*—
Hanna, Edward C.

Victor Adding Machine Co., assignee: *See*—
Buehler, Carl.

Watkins, Joseph R., Dover, N. J., assignor to Foster Grant Co., Inc., Leominster, Mass. Box. 165,726, Jan. 22.

Zimmer, George H., Jr., assignor to Robbins & Myers, Inc., Springfield, Ohio. Pump. 165,727, Jan. 22.

Zimmer, George H., Jr., assignor to Robbins & Myers, Inc., Springfield, Ohio. Pump. 165,728, Jan. 22.

Zimmer, George H., Jr., assignor to Robbins & Myers, Inc., Springfield, Ohio. Pump. 165,729, Jan. 22.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22d DAY OF JANUARY, 1952

NOTE. Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

ABC Vending Corporation, assignee: *See*
Arnett, Leslie.
Abbink Spaink, Johann H., Bradford, assignor to The English Electric Company Limited, London, England. Engine-driven electric generating plant. 2,583,131, Jan. 22.
Acme Aluminum Alloys, Inc., assignee: *See*
Cooper, Hugh S.
Actiengesellschaft Joh. Jacob Rieter & Cie., assignee: *See*
Strässler, Karl.
Admiral Corporation, assignee: *See*
Fields, George.
Adrema Limited, assignee: *See*
Sanderson, Thomas E. F.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*
Altschul, Aaron M., and Castillon.
Ahlborn, Clarence E., assignor to Jackson & Church Company, Saginaw, Mich. High-pressure steam kiln. 2,583,073, Jan. 22.
Air Reduction Company, Incorporated, assignee: *See*
Fisher, Harold R.
Sullivan, Cornelius J., and Fisher.
Aja, Sisto, and E. Quijuano, Syracuse, N. Y. Folding table. 2,583,217, Jan. 22.
Aktiebolaget Separator, assignee: *See*
Borck, Alfred G., and Grönning.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*
Goldstein, Alexander.
Aktieselskabet "Vølund," assignee: *See*
Brabaek, Jörgen.
Albertoli, John, San Francisco, Calif. Can feeding device. 2,583,313, Jan. 22.
Albini-Colombo, Carlo, Milan, Italy. Printing textile fabrics. 2,583,286, Jan. 22.
Alexander, Arthur F., Cleveland, Ohio. Clock. 2,583,037, Jan. 22.
Allbert, Eugene F.: *See*
Kimball, Albert W., and Allbert.
Allbert, Eugene F., Turtle Creek, and B. J. Auburn, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,583,074, Jan. 22.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Belich, Daniel E.
Weltmer, Wilton W.
Alstadt, Benjamin, and H. Sappey, New York, N. Y. Nursing bottle nipple. 2,582,950, Jan. 22.
Altar, William, Pittsburgh, and O. J. M. Smith, Scranton, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inspection apparatus. 2,583,132, Jan. 22.
Altschul, Aaron M., and L. E. Castillon, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Water-soluble combination products of gossypol and amino acids. 2,582,949, Jan. 22.
American Car and Foundry Company, assignee: *See*
Burnett, William E.
Dietrichson, William F.
American Cyanamid Company, assignee: *See*
Burnell, Maurice R., and Lynn.
American Machine and Foundry Company, assignee: *See*
Clark, Joseph C.
Jacobus, David D.
American Ship Building Company, The, assignee: *See*
Kestner, Matthew W. and H. M.
American Viscose Corporation, assignee: *See*
Chaney, David W.
American Wheelabrator & Equipment Corporation, assignee: *See*
Straub, John C.
Amiet, Oscar, La Chaux de Fonds, assignor to Mistress A. Marbach, Colombier, Switzerland. Collet feed mechanism for automatic cutting machines. 2,583,314, Jan. 22.
Anchor Manufacturing Company, assignee: *See*
Johansson, Ernest G.
Anderson, Theodore L., Seal Rock, and T. H. Esbenshade Newport, Oreg. Log carrier. 2,583,075, Jan. 22.
Anderson, William H., Elkridge, and A. C. Frey, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable inductance. 2,583,133, Jan. 22.

Andreus, John M., Pasadena, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Imbibition printing using disazo dye. 2,583,076, Jan. 22.
Andrews, Johnnie, Fort Worth, Tex. Radio tower antenna. 2,583,287, Jan. 22.
Anglo-Iranian Oil Company Limited, assignee: *See*—
Fawcett, Eric W. M., and Haresnape.
Armington, George E., South Euclid, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Two-speed power steering. 2,583,197, Jan. 22.
Armstrong, Eldon L.: *See*—
Schott, John E., and Armstrong.
Armstrong, Frank W., Jr.: *See*—
Carpenter, Otis R., Armstrong, and Rasmusen.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Ellis, Grenville B.
Arnett, Leslie, Chicago, Ill., assignor of one-half to Square Manufacturing Company and one-half to ABC Vending Corporation, New York, N. Y. Beverage dispensing machine. 2,583,461, Jan. 22.
Arney, Charles E., Indianapolis, Ind. Water level responsive control switch assembly. 2,583,077, Jan. 22.
Arnold, Lucien T., Pensacola, Fla. Carburetor. 2,583,406, Jan. 22.
Arps, Jan J., Tulsa, Okla. Well or borehole logging. 2,583,288, Jan. 22.
Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Catalytic synthesis of hydrocarbons. 2,583,134, Jan. 22.
Auburn, Basil J.: *See*—
Allbert, Eugene F., and Auburn.
Auburn, Basil J., and G. P. Lessmann, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tension responsive control system. 2,583,078, Jan. 22.
Avco Manufacturing Corporation, assignee: *See*—
Bussard, Emmery J. H.
Axton, Benjamin J., Jr., Holyoke, assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass. Grip structure. 2,583,198, Jan. 22.
Babcock & Wilcox Company, The, assignee: *See*—
Carpenter, Otis R., Armstrong, and Rasmusen.
Huston, Ralph C.
Babish, Richard C.: *See*—
Waller, Fred, and Babish.
Bailey, Richard W., Hale, England, assignor, by mesne assignments, to General Electric Company. Annular forging and casting. 2,583,315, Jan. 22.
Bajrovic, Alexander, Akers Styckebruk, Sweden. Permanent core. 2,583,248, Jan. 22.
Baker, Gerald T., Neligh, Nebr., assignor to Horn Manufacturing Company, Fort Dodge, Iowa. Loading machine. 2,583,079, Jan. 22.
Baker, Merle W., F. F. Bell, C. F. Curtis, II, and E. A. Patton, assignors to Curtis Companies Incorporated, Clinton, Iowa. Apparatus for manufacturing boards of compressed cellulose material and the like. 2,583,249, Jan. 22.
Baker, Randall B., New York, N. Y., assignor to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn. Electroacoustical transducer. 2,582,942, Jan. 22.
Baker-Raulang Company, The, assignee: *See*
Lehmann, Max.
Bakewell, Sidney, Detroit, Mich. Meat tenderizing device. 2,583,199, Jan. 22.
Bakker, Johannes, Lange Ruige Weide, Netherlands. Device for mixing bulks. 2,583,135, Jan. 22.
Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Morian, Willard A.
Ball, Earl W.: *See*—
Morway, Arnold J., and Ball.
Ball, Jack: *See*—
Goldfield, Edwin R., and Ball.
Ball, Milfred V., The Dalles, Oreg. Leveling device. 2,583,250, Jan. 22.
Bannister, Clyde E., Houston, Tex. Method and apparatus for setting a casing structure in a well hole or the like. 2,583,316, Jan. 22.
Barker, George E., Newport, Del., assignor to Elgin National Watch Company, Elgin, Ill. Nonspreading lubricant. 2,583,200, Jan. 22.
Barker, Ray C., Denver, Colo. Azimuth ring printing stamp for maps. 2,582,943, Jan. 22.
Barrett, Peter A.: *See*—
Green, Nathaniel P., Barrett, and Bass.

Barry, Gerald J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Radio receiver tuning indicator. 2,582,951, Jan. 22.
Bass, Eugene L.: *See*—
Green, Nathaniel P., Barrett, and Bass.
Bassereau, Georges, assignor to Societe Electro-Metallurgique du Planet, Paris, France. Manufacture of magnesium. 2,583,351, Jan. 22.
Bauer, Benjamin B., Oak Park, assignor to Shure Brothers, Incorporated, Chicago, Ill. Phonograph stylus. 2,583,289, Jan. 22.
Becker, John E., Darlington Township, Durham County, Ontario, Canada. Fluid circulation controls for rotary pump and turbine fluid couplings. 2,582,952, Jan. 22.
Beem, John A., assignor to The Indiana Brass Co., Inc., Frankfort, Ind. Valve structure. 2,583,291, Jan. 22.
Beerli, Karl, Nieder-Uster, assignor to Spindel-, Motoren- und Maschinenfabrik A. G., Uster, Switzerland. Journal for spinning and twisting spindles. 2,583,080, Jan. 22.
Bell, Forrest F.: *See*—
Baker, Merle W., Bell, Curtis, and Patton.
Bellke, Emil A., Pendleton, Oreg. Attachment for spring tooth harrows. 2,583,290, Jan. 22.
Belich, Daniel E., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Lubricating device. 2,583,317, Jan. 22.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bruce, Edmond, and Hall.
Carpenter, Warren W.
Clutts, Charles E., Pullis, Schenck, and Weber.
Dimond, Thomas L.
Holden, William H. T.
Olsen, Karl M.
Townsend, Mark A.
Benbow, Burtis W., Benbow, Calif. Electrical contacting equipment. 2,583,318, Jan. 22.
Bender, John M., assignor to Inter-Collegiate Press, Kansas City, Mo. Loose-leaf binder. 2,582,953, Jan. 22.
Bendix Aviation Corporation, assignee: *See*—
Miller, Donald L.
Benjamin Electric Manufacturing Company, assignee: *See*—
Meyer, Alva H.
Bennett-Feragen Inc., assignee: *See*—
Bennett, Harold L.
Bennett, Harold L., assignor to Bennett-Feragen Inc., South Bend, Ind. Wheel lift for vehicle testing machines. 2,583,201, Jan. 22.
Benson, John G., Oswego, N. Y. Velocity indicator for moving vehicles. 2,583,202, Jan. 22.
Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,583,352, Jan. 22.
Bergeron, Arthur J., Kittery, Maine. Automatic poultry feeder. 2,583,203, Jan. 22.
Bernstein, Nahum A., assignee: *See*—
Zepelovitch, Nathan.
Berscheid, Irvine J., Bissett, Manitoba, Canada. Detachable bit. 2,582,944, Jan. 22.
Betz, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Mercury switch with alignment responsive means. 2,583,505, Jan. 22.
Bevan, Eric A., Halebank, Widnes, and R. S. Robinson, Woolton, Liverpool, England, assignors, by mesne assignments, to Reichhold Chemicals, Inc., Detroit, Mich. Resinous reaction products of cyclohexanones and unsaturated dicarboxylic acids. 2,583,204, Jan. 22.
Beveridge, Robert A.: *See*—
Wissmiller, Vernon D., and Beveridge.
Biedess, Anthony R., assignor to Goodman Manufacturing Company, Chicago, Ill. Impact reducing means for mucking machines. 2,582,954, Jan. 22.
Binder, Charles F., Cranford, assignor to Lidgerwood Manufacturing Company, Elizabeth, N. J. Power steering mechanism. 2,583,407, Jan. 22.
Bingham, James B., O. A. Holkesvig, and T. H. Herberg, East Grand Forks, Minn. Floating pickup wheel type beet harvester. 2,582,945, Jan. 22.
Birch, Robert A., Greenwich, Conn. Gum massager and tooth cleaner. 2,583,038, Jan. 22.
Birmingham, John N.: *See*—
Piperoux, Rene P., and Birmingham.
Bishofberger, Carl J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Plug-in electrical device. 2,583,353, Jan. 22.
Black, Leon P., Cliffside Park, N. J. Sine-bar grinding wheel truing device. 2,583,408, Jan. 22.
Blatchford, George, Los Angeles, Calif. Door operator for doghouses. 2,583,354, Jan. 22.
Blaw-Knox Company, assignee: *See*—
Eckstrom, Albert W.
Blum, Theodore W., assignee: *See*—
Haddon, Jesse E.
Blumner, Aline E., New York, N. Y. Dish carton. 2,583,081, Jan. 22.
Bobrowski, Henry, Morris, Manitoba, Canada. Self-leveling motor mount assembly for grain conveyers and the like. 2,583,082, Jan. 22.
Boeji Corporation, assignee: *See*—
Lang, Joseph C.
Body, Alfred C., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. High-frequency induction-heating apparatus. 2,582,955, Jan. 22.
Boehm, John C.: *See*—
Musebeck, George E., and Boehm.
Boesger, George A., North Olmsted, assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Dust collector. 2,583,039, Jan. 22.
Boisen, John J., Luverne, Minn. Telescoping measuring rule. 2,583,205, Jan. 22.
Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Regenerating an aqueous alkali metal hydroxide solution. 2,583,136, Jan. 22.
Bond, Donald C., Northbrook, and N. B. Russell, Winnetka, assignors to The Pure Oil Company, Chicago, Ill. Oxidation of acidic sulfur compounds. 2,583,083, Jan. 22.
Bond, George R., Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Activating clay by roasting with admixed acid salts. 2,582,956, Jan. 22.
Bond, Virgil V., assignor to R. V. Lewis, Portland, Oreg. Handle for frozen products. 2,583,355, Jan. 22.
Boonton Molding Company, assignee: *See*—
Sayre, Gordon B.
Booth, Byron C., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Sound recording and reproducing apparatus. 2,583,462, Jan. 22.
Boots Pure Drug Company Limited, assignee: *See*—
Wyles, Edwin C. H.
Borck, Alfred G., Tullinge, Germany, and C. Grönning, assignors to Aktiebolaget Separator, Stockholm, Sweden. Apparatus for homogenizing. 2,583,206, Jan. 22.
Borg, George W., Corporation, The, assignee: *See*—
Booth, Byron C.
Borg-Warner Corporation, assignee: *See*—
Hannum, John A., and Frumin.
Borsum, Adolph W., United States Navy, and W. W. Brockway, Los Angeles, Calif. Communication system. 2,582,957, Jan. 22.
Boulet, René, Paris, France. Toy compressed-air pistol. 2,583,463, Jan. 22.
Bowen, Oliver G., and E. W. Novell, Pasadena, Calif., said Novell assignor to said Bowen. Building material and making same. 2,583,292, Jan. 22.
Bowers, Roy E., St. Louis, Mo. Window frame and sash unit. 2,583,251, Jan. 22.
Boyklin, John R.: *See*—
Carter, John M., and Boyklin.
Brabaek, Jörgen, assignor to Aktieselskabet "Vølund," Copenhagen, Denmark. Making a physiologically-active vitamin preparation. 2,583,464, Jan. 22.
Brake, Edgar R., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Grinder rotor. 2,583,319, Jan. 22.
Breeze Corporations, Inc., assignee: *See*—
Strunk, Kenith G.
Breman, Frank J., Chicago, Ill. Continuous feeder. 2,583,506, Jan. 22.
Brennan, Elmer W., and N. D. Williams, assignors to The Pure Oil Company, Chicago, Ill. Detergent oil composition and the method for its preparation. 2,582,958, Jan. 22.
Brill, Warren E., Haddon Heights, N. J. Flame method of cutting metal. 2,582,946, Jan. 22.
Briscoe, Hugh V., and R. C. Byng, assignors to Grant Production Company Limited, London, England. Episcopic optical projection apparatus. 2,583,409, Jan. 22.
British Cotton Industry Research Association, The, assignee: *See*—
Jones, Eric H., and Shorter.
Brockway, Wilhelm W.: *See*—
Borsum, Adolph W., and Brockway.
Brown, George R., Springfield, Mass. Fishline reel. 2,583,465, Jan. 22.
Brown, Howard M.: *See*—
Cawley, George, and Brown.
Brownlee, Allen L., assignor to Wico Electric Company, West Springfield, Mass. Flywheel magneto. 2,583,466, Jan. 22.
Bruce, Edmond, Red Bank, and N. I. Hall, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron-tube controlled switching system. 2,582,959, Jan. 22.
Brucksch, William F., Jr., Bethany, and L. H. Howland, Watertown, Conn., assignors to United States Rubber Company, New York, N. Y. Phosphoryl compounds of ester substituted alcohols. 2,583,356, Jan. 22.
Brummel, Gordon T., Chicago, Ill. Hook. 2,583,320, Jan. 22.
Brussel, Fred H., assignee: *See*—
McLeod, Roy D.
Brussel, Sophia L., coexecutrix, assignee: *See*—
McLeod, Roy D.
Bryant Chucking Grinder Company, assignee: *See*—
Durland, Philip C.
Buck, Harland H., Toledo, Ohio. Soap holder. 2,583,207, Jan. 22.
Bull, Glen C., Richmond, Ind. Protective covering for oil tanks. 2,583,321, Jan. 22.
Burgess, John, Camden, N. J., assignor to The Curtis Publishing Company, Philadelphia, Pa. Printing plate fastening. 2,582,960, Jan. 22.
Burkhard, Charles A., Alplaus, N. Y., assignor to General Electric Company. Lithium 3-thia-7,7,dimethyl-7-trimethylsiloxy-7-silaheptanoate. 2,583,322, Jan. 22.

Burleigh, Joseph, and J. Cashman, Franklin, N. H. Combined screen and cabinet for picture projection apparatus. 2,583,467, Jan. 22.

Burnard, William S., Winnipeg, Manitoba, Canada. Pry type lid lifter and retainer. 2,582,947, Jan. 22.

Burnell, Maurice R., Noroton Heights, and J. E. Lynn, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Treatment of flammable materials to impart flame resistance thereto, compositions therefor, and products thereof. 2,582,961, Jan. 22.

Burnett, William E., Montclair, N. J., assignor to American Car and Foundry Company, New York, N. Y. Seat structure. 2,583,410, Jan. 22.

Burroughs, Gordon S., Forest Hills, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Direction and position indicating system. 2,582,962, Jan. 22.

Burt, Samuel L., Plainfield, N. J., assignor, by mesne assigments, to Union Carbide and Carbon Corporation. Hydrocarbon tin alcoholates. 2,583,084, Jan. 22.

Bush Manufacturing Company, The, assignee: *See*— Wyrfel, Samuel P.

Bussard, Emmery J. H., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Oscillator. 2,583,137, Jan. 22.

Byng, Robert C.: *See*— Briscoe, Hugh V., and Byng.

Cachat, John F., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Seam-welding apparatus. 2,582,963, Jan. 22.

Calrnes, William E., Chicago, Ill., assignor to Motorola, Inc. Phonograph pickup unit. 2,582,948, Jan. 22.

California Research Corporation, assignee: *See*— Pinotti, Primo L.

Campbell, Charles A., assignor to Solventol Chemical Products, Inc., Detroit, Mich. Cleaning composition. 2,583,165, Jan. 22.

Campbell, John F., Cuyahoga Falls, Ohio. Flexible sleeve type vulcanizing apparatus for V belts and the like. 2,583,085, Jan. 22.

Campbell, Scott E., Los Angeles, Calif. Fluid control valve. 2,583,357, Jan. 22.

Canadian Locomotive Company Limited, assignee: *See*— Casey, William.

Carder, James W., Salem, W. Va. Device for indicating the true shape of workpieces. 2,583,253, Jan. 22.

Carlfors Aktiebolag, assignee: *See*— Winquist, Karl G.

Carlin, Arvid F., New Rochelle, N. Y. Paper holder, especially adapted for toilet papers. 2,583,411, Jan. 22.

Carls, William, assignee: *See*— McLeod, Roy D.

Carlson, Carl S., Elizabeth, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Extractive distillation of alcohols with phenol solvent. 2,583,412, Jan. 22.

Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of alcohols. 2,583,413, Jan. 22.

Carpenter, Otis R., and F. W. Armstrong, Jr., Barberton, and R. P. C. Rasmusen, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rocklelgh, N. J. Polyphase alternating current fusion welding with control of interphase voltage, and with combined alternating current and direct current welding potentials. 2,583,507, Jan. 22.

Carpenter, Warren W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tape perforating machine. 2,583,086, Jan. 22.

Carraway, Thomas W., Dallas, Tex. Air or gas cleaning apparatus. 2,583,252, Jan. 22.

Carter, John M., and J. R. Boykin, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency modulator. 2,583,138, Jan. 22.

Casey, William, assignor to Canadian Locomotive Company Limited, Kingston, Ontario, Canada. Mud separator for steam generating units. 2,583,166, Jan. 22.

Cashman, Joseph: *See*— Burleigh, Joseph, and Cashman.

Castellano, James, New York, N. Y. Valve control means for flush tanks for toilets. 2,583,468, Jan. 22.

Castillon, Leah E.: *See*— Altschul, Aaron M., and Castillon.

Cathodeon Limited, assignee: *See*— Townsend, Frederick H.

Cawley, George, Upper Montclair, and H. M. Brown, Wood-Ridge, N. J. Core type winder drive. 2,583,040, Jan. 22.

Celanese Corporation of America, assignee: *See*— MacLean, Alexander F. Piperoux, Rene P., and Birmingham.

Cesan, Harry W., Feeding Hills, Mass. Garden tractor. 2,583,358, Jan. 22.

Chain, Chester W., Tulelake, Calif. Adjustable stool base. 2,583,414, Jan. 22.

Chaney, David W., Nether Providence Township, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del. Lower alkyl esters of fluorinated propionic acid and making the esters. 2,583,415, Jan. 22.

Chase Brass & Copper Co. Incorporated, assignee: *See*— Marcussen, Kenneth R.

Chun, Melvin E., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Calibration unit for cathode-ray tubes. 2,583,469, Jan. 22.

Ciba Limited, assignee: *See*— Pieth, Peter. Schmid, Max, and Moser. Sutter, Paul, and Kern.

Ciba Pharmaceutical Products, Inc., assignee: *See*— Druey, Jean, and Schmidt.

Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon synthesis catalyst. 2,583,254, Jan. 22.

Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Control of catalyst concentration. 2,583,255, Jan. 22.

Clark, Edwin L., Collingswood, N. J., assignor to Radio Corporation of America. Vertical linearity in television receivers. 2,583,323, Jan. 22.

Clark, James T., assignee: *See*— Riordan, John A.

Clark, Joseph C., Merchantville, N. J., assignor to American Machine and Foundry Company. Bowling ball bumper and table support for automatic pin positioning machines. 2,583,208, Jan. 22.

Clark, Lauriston E., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Photoelectric sound reproduction. 2,582,964, Jan. 22.

Clarke, John S., Blacko, near Nelson, W. E. Gregory, Burnley, and A. J. Gerrard, Blackburn, assignors to Joseph Lucas Limited, Birmingham, England. Liquid fuel vaporizer. 2,583,416, Jan. 22.

Cloud Foundation, Inc., assignee: *See*— Cloud, Kenneth, and Nadberny.

Cloud, Kenneth, and R. J. Nadberny, assignors to Cloud Foundation, Inc., Chicago, Ill. Winder for yarn and the like. 2,583,087, Jan. 22.

Clutts, Charles E., West Orange, N. J., G. A. Pullis, Riverdale, N. Y., and A. K. Schenck, Glen Ridge, and L. A. Weber, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alarm signaling system. 2,583,088, Jan. 22.

Clyne, Joseph, Bronx, N. Y., assignor, by mesne assignments, to Flexsleev, Inc. Garment construction. 2,583,089, Jan. 22.

Coar, Richard J., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel control for exhaust turbine power plants having internal-combustion gas generators. 2,583,470, Jan. 22.

Coe Manufacturing Company, The, assignee: *See*— Haumann, George.

Coffman, John R., St. Paul, Minn., assignor to General Mills, Inc. Modifying wheat gluten. 2,582,965, Jan. 22.

Collis, J., & Sons, Limited, assignee: *See*— Collis, Leslie A.

Collis, Leslie A., Rudlett, assignor to J. Collis & Sons, Limited, London, England. Conveyor drive. 2,583,471, Jan. 22.

Columbus McKinnon Chain Corporation, assignee: *See*— Parker, Humphrey F.

Combustion Engineering-Superheater, Inc., assignee: *See*— Huchmuth, Frank W. Relch, John A.

Commerce, United States of America as represented by the Secretary of, assignee: *See*— Dunmore, Francis W.

Conmar Products Corporation, assignee: *See*— Moehler, Otto J.

Consolidated Gas Electric Light and Power Company of Baltimore, assignee: *See*— Betz, Paul L.

Control Instrument Company, Inc., assignee: *See*— Libman, Earl E.

Cooley, Lenore B., deceased, New York, N. Y.; The First National Bank of Santa Fe, Santa Fe, N. Mex., executor. Woman's lingerie. 2,583,472, Jan. 22.

Cooper, Hugh S., Cleveland Heights, assignor to Acme Aluminum Alloys, Inc., Dayton, Ohio. Aluminum-magnesium alloys. 2,583,473, Jan. 22.

Corbino, Ugo, Rome, Italy. Nonsymmetrical multipolar electric energy distribution system. 2,583,167, Jan. 22.

Cost, Joe L., Madeira, Ohio, assignor to Elliott Company, Jeannette, Pa. Separation of natural gas mixtures. 2,583,090, Jan. 22.

Coyner, James M., Madison, Wis. Pipe joint. 2,583,041, Jan. 22.

Cozzone, John A., Newark, N. J. Toy construction rod. 2,583,474, Jan. 22.

Crandall, George W., Elmira, N. Y. Support for drying kitchen bowl covers. 2,583,475, Jan. 22.

Crawford, Richard A.: *See*— Morrissey, Richard T., and Crawford.

Creed and Company, Ltd., assignee: *See*— Salmon, Reginald D.

Curle, George L., Minneapolis, Minn. Spaceband tool. 2,583,324, Jan. 22.

Curtis, Charles F., II: *See*— Baker, Merle W., Bell, Curtis, and Patton.

Curtis Companies Incorporated, assignee: *See*— Baker, Merle W., Bell, Curtis, and Patton.

Curtis, George W., Wauwatosa, Wis. Tractor having V-belt pulley control. 2,582,966, Jan. 22.

Curtis Publishing Company, The, assignee: *See*— Burgess, John.

D'Alello, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Acrylonitrile itaconic monoester copolymers. 2,583,325, Jan. 22.

D'Alello, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Polymeric compositions from acrylonitrile, itaconic monoesters, and conjugated dienes. 2,583,326, Jan. 22.

D'Alello, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Copolymer of acrylonitrile and an ethylenic dicarboxylic acid monoester of a cyanoalcohol. 2,583,327, Jan. 22.

Davidson, Russell E., Brady Lake, Ohio. Retrieving tool. 2,583,476, Jan. 22.

Davis, Maurice F.: *See*— Morse, Philip W., and Davis.

Davis, William A.: *See*— Forsyth, Will A., and Davis.

Dayton, Theodore S., Portland, Oreg. Combination gun sight and range finder. 2,583,042, Jan. 22.

Dean, Gilbert O., Little Rock, Ark. Suture holder. 2,583,043, Jan. 22.

Deere Manufacturing Co., assignee: *See*— McClellan, Marcus E.

Deering, Roland F., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Olefin hydration. 2,583,359, Jan. 22.

Deloraine, Edmond M., Paris, France, and E. Labin, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Electric pulse secrecy communication system. 2,582,968, Jan. 22.

De Raedt, Egide J. H., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Marker-controlled final selector circuit. 2,582,967, Jan. 22.

Detroit Trust Company, coexecutor, assignee: *See*— McLeod, Roy D.

Devoe & Raynolds Company, Inc., assignee: *See*— Greenlee, Sylvan O.

Dewey and Almy Chemical Company, assignee: *See*— Lanigan, Francis W.

Dietrichson, William F., Garden City, assignor to American Car and Foundry Company, New York, N. Y. Door post and tie strap anchor. 2,583,257, Jan. 22.

Dikeman, Myron J., Grosse Pointe Woods, Mich. Hydraulic automatic drive and control 2,583,209, Jan. 22.

Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for controlling the release of a relay. 2,583,328, Jan. 22.

Dinsmore, Howard L., St. Paul, Minn. Glass condenser. 2,582,969, Jan. 22.

Distillers Company Limited, The, assignee: *See*— Faulkner, Donald, and Milne.

Dockery, John C. and N. W., Rockingham, N. C. Scotch block. 2,582,970, Jan. 22.

Dockery, Nicholas W.: *See*— Dockery, John C. and N. W.

Dodson, Joseph R., Mount Oliver, Pa. Door supporting clamp. 2,583,256, Jan. 22.

Dole Valve Company, The, assignee: *See*— Goodrich, Alonzo C.

Donna, Joseph D., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature pickup element. 2,583,293, Jan. 22.

Donohue, Russell J., Cambridge, Ohio. Coin selector. 2,583,258, Jan. 22.

Dotterer, Ben O., Mansfield, Ohio. Baling hook. 2,583,091, Jan. 22.

Drew, E. F., & Co., Inc., assignee: *See*— Weil, Lester L., and Tusa.

Dreyfus, Asher, Jr., Oklahoma City, Okla. Package display rack. 2,583,092, Jan. 22.

Druey, Jean, Riehen, and P. Schmidt, Therwil, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. β,β,β-trichlorethylidene-acetyl-thiophenes. 2,583,508, Jan. 22.

Duell, Morgan V., Oakville, Conn. Key loop holder and locking means therefor. 2,583,360, Jan. 22.

Duerkoppwerke Aktiengesellschaft, assignee: *See*— Pudelko, Hermann.

Duffin, Greekie T., Washington, D. C. Blind. 2,583,361, Jan. 22.

Dungler, Julien, Basel, Switzerland. Electric switch for use with continuous web. 2,582,972, Jan. 22.

Dunmore, Francis W., Washington, D. C., assignor to the United States of America as represented by the Secretary of Commerce. Pulse echo distance and direction finding. 2,582,971, Jan. 22.

Dunn, William C., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Welding shaft and the like. 2,583,362, Jan. 22.

Durland, Philip C., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Cam cutting machine. 2,583,363, Jan. 22.

Dürler, Jacques, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Rotary tool carrier for cutting tools. 2,583,477, Jan. 22.

Earl, Charles W., Seminole, Tex. Scraper for removing paraffin from oil well pipes. 2,583,044, Jan. 22.

Eastman Kodak Company, assignee: *See*— Weisler, Leonard.

Eckert, John S., Kent, assignor to The United States Stoneware Company, Akron, Ohio. Method and apparatus for giving an internal gloss finish to a tube of heat plastic material. 2,583,329, Jan. 22.

Eckert, John S., Kent, assignor to The United States Stoneware Company, Akron, Ohio. Apparatus for giving an internal gloss finish to a tube or the like of heat plastic material. 2,583,330, Jan. 22.

Eckstrom, Albert W., Buffalo, N. Y., assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for supplying and distributing liquids. 2,583,364, Jan. 22.

Eddy, Floyd L., Los Angeles, Calif. Dispenser for paste-like substance having a vaned rotary extruding element. 2,583,365, Jan. 22.

Edison, Thomas A., Incorporated, assignee: *See*— Kegan, Albert I.

Edmonds, James T.: *See*— Hilllyer, John C., and Edmonds.

Edwards, Walter J., Old Fort, N. C. Manually rotatable directional antenna. 2,583,210, Jan. 22.

Eitel McCullough, Inc., assignee: *See*— Eitel, William W., and McCullough.

Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Air-cooled socket for electron tubes. 2,583,417, Jan. 22.

Electric Auto-Lite Company, The, assignee: *See*— Utter, Raymond E.

Electric Game Company, The, assignee: *See*— Prentice, James M., and Umbach.

Elgin National Watch Company, assignee: *See*— Barker, George E. Neidigh, Ray S.

Elliott Company, assignee: *See*— Cost, Joe L.

Ellis, Delbert, Beaver, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Auxiliary contact device for electric contactors. 2,583,139, Jan. 22.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Sealing means for primary alkaline dry cells. 2,582,973, Jan. 22.

Else, Harry D., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mechanical apparatus. 2,583,140, Jan. 22.

Emanuel, Victor L., Colorado Springs, Colo. Horological balance wheel holding and rotating device. 2,583,418, Jan. 22.

Emmert, George W., and R. J. Olson, assignors to Federal Tool Corporation, Lincolnwood, Ill. Apparatus for making closures for containers. 2,583,093, Jan. 22.

Empire State Laboratories, assignee: *See*— Parlini, Alexander C., Hascher, and Recker.

Engeloch, Albert: *See*— Lüscher, Ernst, and Engeloch.

Engels, Willard H., Kansas City, Mo. Muffler with perforated cylinder containing inwardly and rearwardly inclined holes. 2,583,366, Jan. 22.

English Electric Company Limited, The, assignee: *See*— Abbink-Spaink, Johann H.

Erickson, Gustav F., and D. B. McShan, Indianapolis, Ind., assignors, by mesne assignments, to Icecrafter Trust. Ice-making machine. 2,583,294, Jan. 22.

Esarey, Raymond W., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bearing assembly. 2,583,141, Jan. 22.

Esbenshade, Theodore H.: *See*— Anderson, Theodore L., and Esbenshade.

Eskimo Pie Corporation, assignee: *See*— Fleming, William M.

Ettmüller, Walter, Zurich, Switzerland. Erasure-debris collector on typewriters and like machines. 2,583,259, Jan. 22.

Euclid Road Machinery Co., The, assignee: *See*— Armington, George E.

Evans, Thomas: *See*— Turkenkoph, Sylvanus C., and Evans.

Everlasting Valve Company, assignee: *See*— Harrower, William.

Ewart, John M., and L. S. Macdonald, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe toe lining trimming machine. 2,582,975, Jan. 22.

Ey, Victor, Woodside, N. Y. Valve for fluid pressure regulators. 2,582,974, Jan. 22.

Farnsworth Research Corporation, assignee: *See*— Barry, Gerald J. Ferguson, Joseph C. Mayle, Louis F.

Farquhar, A. B., Company, assignee: *See*— Tranter, Watson W., and Hollinger.

Faulkner, Donald, Epsom, and J. N. Milne, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Production of organic tin compounds. 2,583,419, Jan. 22.

Fawcett, Eric W. M., and J. N. Haresnape, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Preparation of a stabilized dehydrated montmorillonite catalyst. 2,582,976, Jan. 22.

Federal Telephone and Radio Corporation, assignee: *See*—
Deloraine, Edmond M., and Labin.

Federal Tool Corporation, assignee: *See*—
Emmert, George W., and Olson.

Fello, Harold G.: *See*—
McCarty, Lewis C., Jr., and Fello.

Felix, Thomas R., Meriden, Conn. Telescope sight mount for firearms. 2,583,260, Jan. 22.

Ferguson, Joseph C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Frequency converting device. 2,582,977, Jan. 22.

Fields, George, Wilmette, assignor to Admiral Corporation, Chicago, Ill. Washing machine and transmission therefor. 2,583,168, Jan. 22.

Finder, George A., San Diego, Calif. String holding key for musical instruments. 2,583,478, Jan. 22.

First National Bank of Santa Fe, The, executor: *See*—
Cooley, Lenore B.

Fisher, Harold R.: *See*—
Sullivan, Cornelius J., and Fisher.

Fisher, Harold R., Metuchen, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Thermochemically cutting ferrous metal. 2,583,045, Jan. 22.

Fleming, William M., Nutley, assignor to Eskimo Pie Corporation, Bloomfield, N. J. Container for liquids. 2,583,211, Jan. 22.

Flexsleev, Inc., assignee: *See*—
Clyne, Joseph.

Flinn, Myron, Las Animas, Colo. Hydraulically actuated carry-type earth scraper. 2,582,978, Jan. 22.

Ford Motor Company, assignee: *See*—
Widman, John C., and Schueren.

Forsyth, Jean M., executrix: *See*—
Forsyth, Will A., and Davis.

Forsyth, Will A., deceased, New Westminster, British Columbia, and W. A. Davis, Vancouver, Canada; J. M. Forsyth, executrix of said W. A. Forsyth. Wooden patch making machine. 2,583,367, Jan. 22.

Foster, Newton C.: *See*—
Minter, Herbert F., Foster, and Leven.

Frederick, Walter E., assignee: *See*
Sprunger, Jacob J.

French, Merle P., New Rochelle, N. Y. Coupling means for scaffolding bars. 2,583,368, Jan. 22.

Frentzel, Herman C., Milwaukee, assignor to The Parker Pen Company, Janesville, Wis. Ball point fountain pen. 2,583,142, Jan. 22.

Frey, Albert C.: *See*—
Anderson, William H., and Frey.

Fritz, William H., Sr.: *See*—
Sloderbeck, William J., and Fritz.

Fritzinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Device for using tape. 2,582,979, Jan. 22.

Fritzinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Tape dispenser and applicator. 2,582,980, Jan. 22.

Froslge, Andrew, Chicago, Ill. Automatic clamp for pipe bending machines. 2,583,479, Jan. 22.

Frumin, Morris: *See*—
Hannum, John A., and Frumin.

Fun, Frederic A., New York, N. Y. Method and apparatus for the employment of radiation from radioactive material in ganging. 2,582,981, Jan. 22.

Fumagalli, Charles, Guatemala City, Guatemala. Wind-driven turbine or propeller with electric generator and control devices. 2,583,369, Jan. 22.

Funkhouser, Mearick, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Two-way valve. 2,583,169, Jan. 22.

Gallant, Joseph P., Moncton, New Brunswick, Canada. Liquid container opener. 2,583,212, Jan. 22.

Gammeter, John R., Akron, Ohio, assignor to Pennsylvania Rubber Company, Jeannette, Pa. Pressure packaged tennis ball. 2,582,982, Jan. 22.

Garber, John D.: *See*—
Young, David W., Sparks, and Garber.

Garber, John D., Cranford, D. W. Young, Roselle, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Controlling heat of reaction by refluxing in the butadiene-diisobutylene copolymerization. 2,583,420, Jan. 22.

Gardner, Donald H., Detroit, Mich., assignor to Sunbeam Corporation, Chicago, Ill. Apparatus for heat-treating bimetallic strip material. 2,583,046, Jan. 22.

Gebruder Zehnder Radiatoren- & Apparatebau, assignee: *See*—
Zehnder, Otto.

General Electric Company, assignee: *See*—
Bailey, Richard W.
Burkhard, Charles A.
Morse, Philip W., and Davis.
Nelson, Evan H., and Power.
Witzgall, Herbert J.
Yoder, Joe.

General Mills, Inc., assignee: *See*—
Coffman, John R.
Opie, Joseph W., Warner, and Moe.
Terry, David E., and Warner.

General Motors Corporation, assignee: *See*—
Funkhouser, Mearick.
Haines, John F.
Marvin, John T., and McFadden.
Shewmon, Ralph K.

Geophysical Research Corporation, assignee: *See*—
Kendall, James M.

Gerner, Theodore C., Oklahoma City, Okla. Device for repairing pinion bearings. 2,583,261, Jan. 22.

Gerrard, Alan J.: *See*—
Clarke, John S., Gregory, and Gerrard.

Getz, Edwin H., Forest Hills, N. Y. Dental tray. 2,583,170, Jan. 22.

Giglia, Alfonse T., Bronx, N. Y. Radius and angle dresser. 2,583,480, Jan. 22.

Gilbert & Barker Manufacturing Company, assignee: *See*—
Grisé, Alfred L.

Gilfillan Bros., Incorporated, assignee: *See*—
Hargens, Charles W.

Gille, Willis H.: *See*—
Kronmiller, Carl G., and Gille.

Girz, Adolph, assignor to The Hill Acme Company, Acme Machinery Division, Cleveland, Ohio. Taper threading machine. 2,583,094, Jan. 22.

Glaab, William M., Wellsville, Ohio. Pottery die. 2,583,262, Jan. 22.

Glick, Harvey L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sensitivity regulator for photomultiplier tubes. 2,583,143, Jan. 22.

Gloss, Gunter H., Redwood City, Calif., assignor to Merck & Co., Inc., Rahway, N. J. Manufacture of magnesium carbonate. 2,583,331, Jan. 22.

Glover, John A., Munster, Ind., and M. F. L. Johnson, Chicago, assignors, by mesne assignments, to Sinclair Research Laboratories Inc., Harvey, Ill. Pump. 2,583,421, Jan. 22.

Goddard and Goddard Company, assignee: *See*—
Sloderbeck, William J., and Fritz.

Golden, John F., Lynn, Mass. Precision toolholder. 2,582,983, Jan. 22.

Goldfield, Edwin R., University Heights, and J. Ball, assignors to The Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray tube safety device. 2,583,095, Jan. 22.

Goldstein, Alexander, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Mechanical current converter for circuit interruption. 2,583,263, Jan. 22.

Goodall-Sanford, Inc., assignee: *See*—
Roullard, Edward L.

Goodman Manufacturing Company, assignee: *See*—
Biedess, Anthony R.
Hagenbook, Loy D.

Goodrich, Alonzo C., Winnetka, assignor to The Dole Valve Company, Chicago, Ill. Vent valve structure. 2,583,481, Jan. 22.

Goodrich, B. F., Company, The, assignee: *See*—
Leguillon, Charles W.
Morrissey, Richard T., and Crawford.

Gappel, Johan M., and G. E. Rumscheidt, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Stabilizing diolefine polymer-sulfur dioxide reaction products. 2,583,370, Jan. 22.

Grant Production Company Limited, assignee: *See*—
Briscoe, Hugh V., and Byng.

Graves, Edward B., South Euclid, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray tube control. 2,583,213, Jan. 22.

Gray, A. G., Company, The, assignee: *See*—
Walter, John M.

Gray, Frank, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Laminated assembly. 2,582,984, Jan. 22.

Gray, Philip P.: *See*—
Wallerstein, Leo, and Gray.

Green, Nathaniel P., University City, P. A. Barrett, Kirkwood, Mo., and E. L. Bass, Tulsa, Okla., assignors to Water Cooling Equipment Co., St. Louis County, Mo. Drift eliminator. 2,583,171, Jan. 22.

Greenberg, George, Brooklyn, N. Y. Bobbin winder protector for sewing machines. 2,583,482, Jan. 22.

Greenlee, Sylvan O., Racine, Wis., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Epoxide resins. 2,582,985, Jan. 22.

Greenwald, Harry, Blauvelt, assignor to Robco Corporation, New York, N. Y. Coin meter with set cycle. 2,583,332, Jan. 22.

Greenwald, Harry, Blauvelt, assignor to Robco Corporation, New York, N. Y. Coin meter with reset switch cam. 2,583,333, Jan. 22.

Greer, Edward M., West Hempstead, and J. Mercier, New York, N. Y.: said Greer assignor to said Mercier. Fluid-operated power system. 2,583,295, Jan. 22.

Gregory, William E.: *See*—
Clarke, John S., Gregory, and Gerrard.

Greif Bros. Cooperage Corporation, The, assignee: *See*—
Stuewe, Clarence C.

Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Pump control mechanism for liquid dispensing apparatus of the predeterminer type. 2,583,483, Jan. 22.

Grönning, Carl: *See*—
Borck, Alfred G., and Grönning.

Guanella, Gustav, Zurich, and P. Guttinger, Wettingen, Switzerland, assignors to Radio Patents Corporation, New York, N. Y. Combined angular velocity and pulse modulation system. 2,583,484, Jan. 22.

Guercken, Nina K., executrix: *See*—
Kadenacy, Michel.

Guernsey, Glen A.: *See*—
Harmon, Kenneth A., and Guernsey.

Gulf Research & Development Company, assignee: *See*—
Patnode, Homer W.
Wyllie, Malcolm R. J., and Hogg.

Gump, Richard A., assignee: *See*—
James, Frazier N.

Guttinger, Paul: *See*—
Guanella, Gustav, and Guttinger.

Guttmann, Eric S., Huntington, W. Va., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Measuring device. 2,583,371, Jan. 22.

Haddon, Jesse E., Elmwood Park, assignor of one-third to T. W. Blum, and one-third to C. M. Kipp, Chicago, Ill. Building construction. 2,583,422, Jan. 22.

Hadidian, Z., Needham, Mass., and N. W. Pirie, Harpenden, England, assignors to G. D. Searle & Co., Chicago, Ill. Production of high viscosity hyaluronic acid. 2,583,096, Jan. 22.

Haertel, Walter, Company, assignee: *See*—
Haertel, Walter G., Oliver, and Smallbeck.

Haertel, Walter G., D. H. Oliver and V. H. Smallbeck, assignors to Walter Haertel Company, Minneapolis, Minn. Storage vault conditioning unit. 2,582,986, Jan. 22.

Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Power winch or hoist. 2,582,987, Jan. 22.

Haines, John F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Propeller pitch control. 2,583,172, Jan. 22.

Hall, Nathan L.: *See*—
Bruce Edmond, and Hall.

Hall, Phillip L., New York, N. Y. Built-in deck chair. 2,583,372, Jan. 22.

Hallinan, William W., Racine, Wis. High-pressure filter. 2,583,423, Jan. 22.

Hamilton, Karl M., Chicago, Ill. Railroad car truck. 2,583,144, Jan. 22.

Hammond, John H., Jr., Gloucester, Mass. Selective remote-control system. 2,583,373, Jan. 22.

Hammond Machinery Builders, Inc., assignee: *See*—
Sutton, Donald E.

Hannum, John A., and M. Frumin, Detroit, Mich., assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Tetranitropropane. 2,583,048, Jan. 22.

Hansen, Carl C.: *See*—
Hansen, Edwin E. and C. C.

Hansen, Edwin E. and C. C., Astoria, Oreg. Material handling apparatus with drag saw. 2,583,047, Jan. 22.

Hanzlik, James, Gardena, Calif. Weeding tool. 2,583,214, Jan. 22.

Haresnape, John N.: *See*—
Fawcett, Eric W. M., and Haresnape.

Hargens, Charles W., Doylestown, Pa., assignor to Gilfillan Bros., Incorporated, Los Angeles, Calif. Radar receiver. 2,583,173, Jan. 22.

Harmon, Kenneth A., Longmeadow, and G. A. Guernsey, assignors to Wico Electric Company, West Springfield, Mass. Control mechanism for brake holders. 2,583,485, Jan. 22.

Harrington, Ferris T., assignor to Vickers Incorporated, Detroit, Mich. Flow regulating valve. 2,583,296, Jan. 22.

Harrower, William, assignor to Everlasting Valve Company, Jersey City, N. J. Valve operating mechanism. 2,583,050, Jan. 22.

Hart, Lester C., assignor to Hi-Voltage Equipment Company, Cleveland, Ohio. Electric switch or circuit breaker. 2,583,174, Jan. 22.

Hartemann, Georges, Montbard, assignor to Societe Anonyme Louvroil Montbard Aulnoye, Paris, France. Drop hammer. 2,583,049, Jan. 22.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Starre, Gerrit.
Van Heeckeren, Willem J.

Hartough, Howard D., Pitman, and H. W. Sheldon, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Solvents containing nitriles. 2,583,509, Jan. 22.

Harvey, Charles H., Jacksonville, Fla. Paring knife attachment. 2,582,988, Jan. 22.

Harvey, Earle M., Springfield, Mass. Gas piston for firearms. 2,582,989, Jan. 22.

Hascher, Eugene: *See*—
Parlini, Alexander C., Hascher, and Recker.

Haslett, Martin M., Demorest, Ga., assignor to W. D. Highfill, Ben Tillman Naval Base, S. C. Electrical tester. 2,583,424, Jan. 22.

Hattan, Mark, Los Angeles County, Calif. Automatic parachute ground release. 2,582,990, Jan. 22.

Haumann, George, Portland, Oreg., assignor to The Coe Manufacturing Company, Painesville, Ohio. Veneer clipper. 2,583,051, Jan. 22.

Hautau, Charles F., Huntington Woods, assignor to Hautau Stamping Company, Detroit, Mich. Sprinkler. 2,583,175, Jan. 22.

Hautau, Charles F., Huntington Woods, assignor to Hautau Stamping Company, Detroit, Mich. Sprinkler. 2,583,176, Jan. 22.

Hautau Stamping Company, assignee: *See*—
Hautau, Charles F.

Hawley, Roger S., Linden, N. J., assignor to Standard Oil Development Company, Fungicidal compositions containing chlorinated isophorone. 2,583,425, Jan. 22.

Heimann, Henry C., Ames, Iowa. Student's bookholder. 2,583,097, Jan. 22.

Heise, George W., Rocky River, E. A. Schumacher, Parma, and H. R. Wilson, Painesville, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Treatment of waste pickle liquor. 2,583,098, Jan. 22.

Helm, Clyde D., assignor to Mid-Continent Supply Company, Inc., Fort Worth, Tex. Fluid pressure surge device. 2,583,215, Jan. 22.

Hempel, Charles H., Manitowoc, Wis., assignor to Heresite & Chemical Company. Forming a sprayable synthetic rubber solution. 2,582,991, Jan. 22.

Herberg, Thorolf H.: *See*—
Bingham, James B., Holkesvig, and Herberg.

Herbert, Alfred, Limited, assignee: *See*—
Lloyd, Arthur H., and Jinman.

Heresite & Chemical Company, assignee: *See*—
Hempel, Charles H.

Hergert, Frank C., Buffalo, N. Y. Sanitary hairbrush or duster. 2,582,992, Jan. 22.

Herr, John A.: *See*—
Stevenson, Robert L., and Herr.

Herrmann, Friedrich, Rorschach, assignor to Rigid Limited, Rorschacherberg, Switzerland. Chuck. 2,583,264, Jan. 22.

Heywood-Wakefield Company, assignee: *See*—
Mayer, John J.

Highfill, William D., assignee: *See*—
Haslett, Martin M.

Hill Acme Company, The, Acme Machinery Division, assignee: *See*—
Girz, Adolph.

Hillyer, John C., and J. T. Edmonds, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of alcohols. 2,583,426, Jan. 22.

Hi-Voltage Equipment Company, assignee: *See*—
Hart, Lester C.

Hochmuth, Frank W., Brooklyn, N. Y., assignor to Combustion Engineering-Superheater, Inc. Chemical feeder for black liquor recovery systems. 2,583,145, Jan. 22.

Hoekstra, James, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Flow dividing apparatus. 2,583,177, Jan. 22.

Hoffman, Frederick J., assignor to Hydraulic Supply Manufacturing Company, Seattle, Wash. Exhaust fan. 2,583,374, Jan. 22.

Hoffman, Warren G., Plainview, Tex., assignor of one-half to J. E. White. Vehicle wheel truck. 2,583,216, Jan. 22.

Hogg, Gordon A.: *See*—
Wyllie, Malcolm R. J., and Hogg.

Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Counting system. 2,583,102, Jan. 22.

Holkesvig, Orlando A.: *See*—
Bingham, James B., Holkesvig, and Herberg.

Hollinger, Harry C.: *See*—
Tranter, Watson W., and Hollinger.

Holt, Edwin M., Durham, N. C. Air drier for warp. 2,583,427, Jan. 22.

Hooper, William J., Elsah, Ill., assignor, by mesne assignments, to W. C. Huebner, New York, N. Y. Electric printing. 2,583,375, Jan. 22.

Horn Manufacturing Company, assignee: *See*—
Baker, Gerald T.

Houdry Process Corporation, assignee: *See*—
Bond, George R., Jr.

Houplain, René B., Paris, France. Irreversible driving device. 2,583,428, Jan. 22.

Howatt, Glenn N., Metuchen, N. J. Producing high dielectric high insulation ceramic plates. 2,582,993, Jan. 22.

Howland, Louis H.: *See*—
Brucksch, William F., Jr., and Howland.

Huebner, William C., assignee: *See*—
Hooper, William J.

Huebner, William C., Mamaroneck, N. Y. Precision means for positioning and indicating the position of a movable member. 2,583,376, Jan. 22.

Huntington, William L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control apparatus. 2,583,178, Jan. 22.

Hurni, George K., Oakland, Calif., assignor to Marchant Calculating Machine Company. Selection mechanism. 2,583,377, Jan. 22.

Huston, Ralph C., Wadsworth, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Grate fired fluid heating unit. 2,583,265, Jan. 22.

Hutzelman, Howard E., Wilmington, Del. Bowling pin clearing device. 2,583,103, Jan. 22.

Hydraulic Suooly Manufacturing Company, assignee: *See*—
Hoffman, Frederick J.
Icecrafter Trust, assignee: *See*—
Erickson, Gustav F., and McShan.
Imperial Chemical Industries Limited, assignee: *See*—
Pollok, Frederick J.
Indiana Brass Co., Inc., The, assignee: *See*—
Beem, John A.
Industrial Rayon Corporation, assignee: *See*—
Mayner, Thomas S.
McDermott, Michael C.
Ingersoll Milling Machine Company, The, assignee: *See*—
Guttmann, Eric S.
Ingram, Frederick B., Moline, Ill. Picture viewing device. 2,583,510, Jan. 22.
Inter-Collegiate Press, assignee: *See*—
Bender, John M.
International Business Machines Corporation, assignee: *See*—
Koon, Kenneth.
International Harvester Company, assignee: *See*—
Ornedorff, John W.
International Machine & Tool Works, Inc., assignee: *See*—
Nilson, Olaf G.
International Standard Electric Corporation, assignee: *See*—
Burroughs, Gordon S.
De Raedt, Egide J. H.
Gray, Frank.
Parker, Louis W.
Poullart, Willy.
Smyth, Charles N.
Spangenberg, Karl R.
Taylor, Frank H.
Jackson & Church Company, assignee: *See*—
Ahlborn, Clarence E.
Jacob, Mark L., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Keying system. 2,583,146, Jan. 22.
Jacobus, David D., Hoboken, N. J., assignor to American Machine and Foundry Company. Bowling pin respotter. 2,583,052, Jan. 22.
Jahncke, Evelyn, New Orleans, La. Drawing device. 2,583,334, Jan. 22.
James, Frazier N., assignor of one-third to R. A. Gump, one-sixth to C. M. McMullin, and one-sixth to C. Kilgore, and one-third to Lone Star Vendor Corp., Dallas, Tex. Article release mechanism for vending machines. 2,583,217, Jan. 22.
Jankel, Adolf: *See*—
Kress, Paul, and Jankel.
Jeffrey Manufacturing Company, The, assignee: *See*
Brake, Edgar R.
Le Roy, Franklin J.
Jenson, Wilbur C., Grand Forks, N. Dak. Gear-operated crankcase drain plug wrench. 2,583,266, Jan. 22.
Jentsch, Fred P., Buffalo, N. Y. Block molding machine. 2,583,104, Jan. 22.
Jepson, Percy, Oakland, Calif. Fat saver. 2,583,335, Jan. 22.
Jinman, Charles H.: *See*—
Lloyd, Arthur H., and Jinman.
Johansson, Ernest G., Belmont, assignor to Anchor Manufacturing Company, Boston, Mass. Electrical distribution box. 2,583,105, Jan. 22.
Johnson, Chester F., Los Angeles, Calif. Counterbore cutter for boltholes in concrete. 2,583,429, Jan. 22.
Johnson, Marvin F. L.: *See*—
Glover, John A., and Johnson.
Jones, Bernice E.: *See*—
Rowley, Arthur, and Jones.
Jones, Eric H., and S. A. Shorter, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England. Apparatus for continuously applying a prescribed amount of liquid composition to a moving linear material. 2,583,267, Jan. 22.
Jones, Lloyd E., Arcadia, Calif. Brush roll construction. 2,583,336, Jan. 22.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Collapsible tube roller. 2,583,511, Jan. 22.
Kadenacy, Michel, deceased, Summit, N. J.; N. K. Guercken, executrix. Power plant, including a combustion chamber and an impulse turbine driven by exhaust gases from the chamber. 2,583,430, Jan. 22.
Kaplan, Reuben A., Owatonna, Minn. Rotary impact tool. 2,583,147, Jan. 22.
Kayat, Elias, assignor to Perga Containers Limited, Hamilton, Ontario, Canada. Liquid packaging machine. 2,583,106, Jan. 22.
Kegan, Albert L., Chicago, Ill., assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Apparatus for erasing thermoplastic phonograph records. 2,583,297, Jan. 22.
Kendall, Harold G., assignee: *See*—
Fritzinger, George H.
Kendall, James M., Coral Hills, Md., assignor to Geophysical Research Corporation, New York, N. Y. Underwater microphone. 2,582,994, Jan. 22.
Kenney, Norwood D.: *See*—
Swift, Bernard, and Kenney.
Kern, Walter: *See*—
Sutter, Paul, and Kern.
Kershaw, Royce, Montgomery, Ala. Ballast spreader. 2,583,378, Jan. 22.
Kestner, Herman M.: *See*—
Kestner, Matthew W., and H. M.
Kestner, Matthew W., and H. M., assignors to The American Ship Building Company, Cleveland, Ohio. Quick action hatch clamp. 2,583,053, Jan. 22.
Keuper, William J., assignor to The National Marking Machine Company, Cincinnati, Ohio. Laundry listing machine. 2,583,486, Jan. 22.
Kilgore, Collins, assignee: *See*—
James, Frazier N.
Kimball, Albert W., Snyder, N. Y., and E. F. Albert, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reel motor control system. 2,583,148, Jan. 22.
Kipp, Charles M., assignee: *See*—
Haddon, Jesse E.
Kirby, James B., West Richfield, Ohio. Automatic nozzle adjusting device for vacuum cleaners. 2,583,054, Jan. 22.
Kling, Nelson G., Roslyn, assignor to The Technicon Company, New York, N. Y. Automatic immersion apparatus. 2,583,379, Jan. 22.
Kofold, Melvin J., Corvallis, assignor to Northwest Nut Growers, Dundee, Oreg. Electric circuit to produce surge discharges at a high rate. 2,583,380, Jan. 22.
Koh-I-Noor Tuzkarna L. & C. Hardtmuth, Narodni Podnik, assignee: *See*—
Votruba, Vojtěch.
Koon, Kenneth, Johnson City, assignor to International Business Machines Corporation, New York, N. Y. Record sensing means. 2,583,179, Jan. 22.
Koppers Company, Inc., assignee: *See*—
D'Alelio, Gaetano F.
Kowan, Maurice H., Los Angeles, Calif. Rectal irrigator. 2,583,298, Jan. 22.
Kramer Trenton Company, assignee: *See*—
Malkoff, Hyman.
Krantz, Walter M., Youngstown, Ohio. Sash construction. 2,583,107, Jan. 22.
Kress, Paul, and A. Jankel, London, England. Sign. 2,583,055, Jan. 22.
Kronmiller, Carl G., Minneapolis, and W. H. Gille, St. Paul, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Synchronous motor. 2,583,180, Jan. 22.
Kuehl, Paul B.: *See*—
Zander, Harold O., and Kuehl.
Kunz, Bernard P., Denver, Colo. Airport service station. 2,583,181, Jan. 22.
Labin, Emile: *See*
Deloraine, Edmond M., and Labin.
Laidig, Alfred H., and H. K. Richardson, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of glass tubing and cane. 2,583,431, Jan. 22.
Laing, Robert, Bury, assignor to Paerse-Laing Limited, Manchester, England. Machine for producing pile fabrics. 2,583,337, Jan. 22.
Lambeth, Mack L., De Queen, Ark. Combined poultry feeder and waterer. 2,583,218, Jan. 22.
Lancaster, Jeter M., High Point, N. C. Air-pressure operated drawer clamping machine. 2,583,219, Jan. 22.
Landers, Frary & Clark, assignee: *See*—
Rudahl, Arnold E.
Lang, Joseph C., assignor to Boeji Corporation, Pittsburgh, Pa. Apparatus for applying fasteners. 2,583,056, Jan. 22.
Lanigan, Francis W., Lincoln, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Leveling and drying coatings with steam. 2,583,220, Jan. 22.
Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Spring. 2,583,487, Jan. 22.
Laurent, Milton P., Houston, Tex. Closure joint. 2,582,995, Jan. 22.
Laurent, Milton P., Houston, Tex. Seal for gate valve bonnets. 2,582,996, Jan. 22.
Laurent, Milton P., Houston, Tex. Closure. 2,582,997, Jan. 22.
Laurent, Milton P., Houston, Tex., assignor to W-K-M Company. Gate valve. 2,583,512, Jan. 22.
Laviana, Lawrence J.: *See*—
Van Valkenburgh, Merritt, and Laviana.
Leatherman, John G., Hamilton, Ohio. Safety razor. 2,583,057, Jan. 22.
Lebertre, Maurice: *See*—
Mozzanini, Georges G., and Lebertre.
Lee, Norman E., Forest Hills, N. Y. Fluid damped resilient mounting. 2,582,998, Jan. 22.
Lee, Reuben: *See*—
Nobles, Charles E., and Lee.
Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Syringe bag. 2,583,381, Jan. 22.
Lehmann, Max, East Cleveland, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 2,582,999, Jan. 22.
Le Roy, Franklin J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Material elevator assembly with dust-tight swingable chute. 2,583,488, Jan. 22.

Lessmann, Gerhard P.: *See*—
Auburn, Basil J., and Lessmann.
Leven, Milton M.: *See*
Minter, Herbert F., Foster, and Leven.
Leverock, Bernard, Lynbrook, N. Y. Fountain pressure supply car washer. 2,583,432, Jan. 22.
Lewis, R. V., assignee: *See*
Bond, Virgil V.
Lewis, William H., Altadena, assignor to Standard Steel Corporation, Los Angeles, Calif. Concrete spreader. 2,583,108, Jan. 22.
Libbey-Owens-Ford Glass Company, assignee: *See*
Rodman, Frank A.
Libman, Earl E., New York, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Interzone interference device for guns. 2,583,058, Jan. 22.
Lidgerwood Mnufacturing Company, assignee: *See*
Binder, Charles F.
Lloyd, Arthur H., and C. H. Jinman, Coventry, assignors to Alfred Herbert Limited, Foleshill, Coventry, England. Electrically operated chuck or machine tool. 2,583,299, Jan. 22.
Lohmann-Werke A. G., assignee: *See*—
Teegen, Hermann.
Lolkema, Jan, Hoogezand, and W. A. van der Meer, Haren, assignors to Naamlooze Vennootschap; W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Preparing cold-swelling starch products. 2,583,268, Jan. 22.
Lone Star Vendor Corp., assignee: *See*—
James, Frazier N.
Losch, Raymond M., Summit Station, Pa. Water-cooled shaker grate divider. 2,583,433, Jan. 22.
Lucas, Joseph, Limited, assignee: *See*—
Clarke, John S., Gregory, and Gerrard.
Lüscher, Ernest, and A. Engeloch, assignors to Sandoz A. G., Basel, Switzerland. Dyeing only the flesh side of chrome-tanned fur skins. 2,583,269, Jan. 22.
Luton, Gilbert L., assignee: *See*—
Luton, Thomas C.
Luton, Thomas C., Indianapolis, assignor of one-fourth to G. L. Luton, Evansville, Ind. Guard for cigarette holders. 2,583,109, Jan. 22.
Lyman, Albert A., Short Hills, assignor to Public Service Coordinated Transport, Newark, N. J. Fare box light unit. 2,583,182, Jan. 22.
Lynall, Ezra H., Four Oakes, England. Production of tubular rivets and similar articles. 2,583,270, Jan. 22.
Lynn, John E.: *See*—
Burnell, Maurice R., and Lynn.
Lytle, William O., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Transparent conducting films. 2,583,000, Jan. 22.
Maas, Leonhard A., Trenton, assignor to The Smith Bearing Company, Inc., Orange, N. J. Bearing assembly. 2,583,382, Jan. 22.
Macdonald, Lester S.: *See*—
Ewart, John M., and Macdonald.
MacLean, Alexander F., Robstown, Tex., assignor to Celanese Corporation of America. Reaction apparatus. 2,583,110, Jan. 22.
Magers, Lloyd E., Chicago, Ill. Ground inserted cemetery vase. 2,583,001, Jan. 22.
Malkoff, Hyman, assignor to Kramer Trenton Company, Trenton, N. J. Evaporative fluid cooling apparatus. 2,583,149, Jan. 22.
Marador Corporation, assignee: *See*—
Wiser, Guy B.
Marchant Calculating Machine Company, assignee: *See*—
Hurni, George K.
Marcussen, Kenneth R., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Composite drain fitting. 2,583,300, Jan. 22.
Mardis, Leonard C., San Angelo, Tex. Valved piston for deep-well lift pumps. 2,583,111, Jan. 22.
Marine Aircraft Corporation, The, assignee: *See*—
McCarty, Lewis C., Jr., and Fello.
Martin, Albert E., assignor to C. A. Parsons & Company Limited, Newcastle-on-Tyne, England. Infrared gas analyzing apparatus. 2,583,221, Jan. 22.
Martin, Austen W., assignor to Martins-Birmingham Limited, Birmingham, England. Spring band construction. 2,583,222, Jan. 22.
Martins-Birmingham Limited, assignee: *See*—
Martin, Austen W.
Marvin, John T., Dayton, and G. H. McFadden, Columbus, Ohio, assignors to General Motors Corporation, Detroit, Mich. Washing spongy material. 2,583,183, Jan. 22.
Maslow, Louis, Scarsdale, N. Y. Portable marketing truck. 2,583,513, Jan. 22.
Maslow, Louis, Scarsdale, N. Y. Nesting merchandise cart. 2,583,514, Jan. 22.
Maxon, Glenway, Jr., Milwaukee, Wis. Flame cutting machine. 2,583,002, Jan. 22.
Mayer, John J., Philadelphia, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass. Foot and leg rest for row seats. 2,583,223, Jan. 22.
Mayle, Louis F., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Counter circuit. 2,583,003, Jan. 22.
Mayner, Thomas S., Chagrin Harbor, Willoughby Township, Lake County, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Fluid treating helically advancing threads. 2,583,515, Jan. 22.
Maxwell, Robert W., assignee: *See*—
Nickerson, Richard W.
McCarty, Lewis C., Jr., and H. G. Fello, assignors to The Marine Aircraft Corporation, New York, N. Y. Controller for monogram signs. 2,583,184, Jan. 22.
McClellan, Marcus E., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Side delivery rake and frame therefor. 2,583,383, Jan. 22.
McCorkle, James S., Hinton, W. Va. Underwater explosion gauge. 2,583,004, Jan. 22.
McCullough, Jack A.: *See*—
Eitel, William W., and McCullough.
McDermott, Michael C., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Flier. 2,583,516, Jan. 22.
McDonald, Richard V., Amarillo, Tex. Paper binder. 2,583,224, Jan. 22.
McFadden, George H.: *See*—
Marvin, John T., and McFadden.
McKeever, Charles H., Glenside, assignor to Rohm & Haas Company, Philadelphia, Pa. Oxidation of acetals to acids. 2,583,112, Jan. 22.
McLeod, Roy D., Detroit, assignor of two-thirds to W. Carls, Milford, Mich., and one-third to S. L. Brussel and the Detroit Trust Company, coexecutors of F. H. Brussel, deceased. Rapid operating poppet air valve. 2,583,185, Jan. 22.
McMullin, C. M., assignee: *See*—
James, Frazier N.
McShan, Dormon B.: *See*—
Erickson, Gustav F., and McShan.
Mellion, Harvey H., Spring Valley, N. Y. Freezer defroster. 2,583,271, Jan. 22.
Merchants Trust Co., executor: *See*—
Reichart, James H.
Mercier, Jean: *See*—
Greer, Edward M., and Mercier.
Mercier, Jean, New York, N. Y. Flow regulator. 2,583,384, Jan. 22.
Merck & Co., Inc., assignee: *See*—
Gloss, Gunter H.
Merrell, Wm. S., Company, The, assignee: *See*—
Tilford, Charles H., and Van Campen.
Metzler, May V., assignee: *See*—
Metzler, William H.
Metzler, William H., assignor of fifty per cent to M. V. Metzler, Stirling, N. J. Reversing attachment for garden tractors. 2,583,272, Jan. 22.
Meyer, Alva H., Arlington Heights, assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill. Spray booth. 2,583,489, Jan. 22.
Meyer, John J.: *See*—
Winslow, Charles A., and Meyer.
Meyer, Sven F. E., assignor to Svenska Lasmutter Aktiebolaget, Stockholm, Sweden. Timing device. 2,583,434, Jan. 22.
Mid-Continent Supply Company, Inc., assignee: *See*—
Helm, Clyde D.
Miller, Donald L., Elmira, N. Y., assignor to Bendix Aviation Corporation. Centrifugal switch. 2,583,273, Jan. 22.
Miller, William E., assignor to The Morse Instrument Company, Hudson, Ohio. Automatically operated film winding mechanism. 2,583,385, Jan. 22.
Milne, John N.: *See*—
Faulkner, Donald, and Milne.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Bishofberger, Carl J.
Donna, Joseph D.
Huntington, William L.
Kronmiller, Carl G., and Gille.
Mouzon, James C.
Wissmiller, Vernon D., and Beveridge.
Minneapolis Moline Company, assignee: *See*—
Turkenkoph, Sylvanus C., and Evans.
Minter, Herbert F., N. C. Foster, and M. M. Leven, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Styrene-polyester copolymer for photoelastic studies. 2,583,150, Jan. 22.
Moe, Owen A.: *See*—
Opie, Joseph W., Warner, and Moe.
Moehler, Otto J., assignor to Conmar Products Corporation, Newark, N. J. Separable slide fastener. 2,583,386, Jan. 22.
Mogel, Alvin S., Limerick, Pa. Grass cutter. 2,583,113, Jan. 22.
Monsanto Chemical Company, assignee: *See*—
Niles, George E.
Monteith, Bennett D., Oklahoma City, Okla. Differential jack and carrier. 2,583,114, Jan. 22.
Moonshower, Ralph L., Huntington, Ind. Garden hose reel assembly. 2,583,151, Jan. 22.
Moore, William A.: *See*—
Rosenblatt, Louis, and Moore.
Morain, Willard A., Hamilton, Ohio, assignor, by mesne assignments, to Baldwin-Lima-Hamilton Corporation. Control for free piston engines. 2,583,115, Jan. 22.

Moricl, Antonio, St. Louis, Mo. Animal trap. 2,583,116, Jan. 22.

Morrissey, Richard T., Cuyahoga Falls, and R. A. Crawford, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Rubbery adhesive composition and making and using the same. 2,583,387, Jan. 22.

Morse Instrument Company, The, assignee: *See*—
Miller, William E.

Morse, Philip W., Elnora, and M. F. Davis, Syracuse, N. Y., assignors to General Electric Company. Ultra-high-frequency heater. 2,583,338, Jan. 22.

Morway, Arnold J., Rahway, N. J., assignor to Standard Oil Development Company. High-temperature grease. 2,583,435, Jan. 22.

Morway, Arnold J., Rahway, N. J., and E. W. Ball, New Rochelle, N. Y., assignors to Standard Oil Development Company. Heavy-duty lubricating grease. 2,583,436, Jan. 22.

Moser, Edward: *See*—
Schmid, Max, and Moser.

Motorola, Inc., assignee: *See*—
Cairnes, William E.
Waterman, Herbert C., and Winkler.

Mouzon, James C., Chevy Chase, Md., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Servomotor damping system. 2,583,339, Jan. 22.

Mozzanini, Georges G., La Garenne Colombes, and M. Lebertre, Draveil, France. Method and apparatus for controlling machines driven by direct-current motors. 2,583,301, Jan. 22.

Mueller, Hans, Cambridge, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Determining the polarization of a light beam. 2,583,186, Jan. 22.

Müller, Albert, Uster, assignor to A. Müller, Jr., Glattbrugg, Switzerland. Loom picking motion. 2,583,005, Jan. 22.

Müller, Albert, Jr., assignee: *See*—
Müller, Albert.

Murbach, Mistress Albert, assignee: *See*—
Amiet, Oscar.

Murphy, William G., Jr., North Hollywood, Calif. Garment reinforcement. 2,583,225, Jan. 22.

Murphy, William G., Jr., North Hollywood, Calif. Undergarment. 2,583,226, Jan. 22.

Musebeck, George E., Nashotah, and J. C. Boehm, Belgium, assignors to Musebeck Shoe Company, Oconomowoc, Wis. Shoe construction. 2,583,302, Jan. 22.

Musebeck Shoe Company, assignee: *See*—
Musebeck, George E., and Boehm.

Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, assignee: *See*—
Lolkema, Jan, and van der Meer.

Nadherny, Russell J.: *See*—
Cloud, Kenneth, and Nadherny.

National Lead Company, assignee: *See*—
Thomas, Everett A.

National Marking Machine Company, The, assignee: *See*—
Kenper, William J.

Neidigh, Ray S., assignor to Elgin National Watch Company, Elgin, Ill. Induction heat treating. 2,583,227, Jan. 22.

Nelson, Evan H., Harrow Weald, and E. B. Power, Kenton, England, assignors to General Electric Company. Conducting seal for high-pressure lamps. 2,583,388, Jan. 22.

Neville, William H., Birmingham, Ala. Outboard motor. 2,583,059, Jan. 22.

Newbern, St. Clair, Fort Worth, Tex. Folding crib and play pen. 2,583,187, Jan. 22.

New Britain Machine Company, The, assignee: *See*—
Stephen, Hallis N.

Newlon, George R., Jr., Point Pleasant, W. Va. Adjustable scaffold. 2,583,437, Jan. 22.

Newschwander, Wilfrid W.: *See*—
Wachter, Aaron, and Newschwander.

Nickerson, Richard W., Eagle Rock, assignor of one-fifth to R. W. Maxwell, Los Angeles, Calif. Ash tray and receptacle. 2,583,389, Jan. 22.

Nieman, Chauncy W.: *See*—
Nieman, Henry W., and C. W.

Nieman, Henry W., and C. W., Bethlehem, Pa. Method and apparatus for eliminating impurities from metals which are in a fluid state. 2,583,438, Jan. 22.

Niesemann, Fritz, Pittsburgh, Pa., assignor to Rockwell Manufacturing Company. Fluid pressure regulator. 2,583,006, Jan. 22.

Niles, George E., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing mineral coated paper. 2,583,274, Jan. 22.

Nilson, Olaf G., assignor to International Machine & Tool Works, Inc., Chicago, Ill. Pouring spout. 2,583,007, Jan. 22.

Nobles, Charles E., Baltimore, and R. Lee, Linthicum Heights, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable voltage transformer. 2,583,152, Jan. 22.

Northwest Nut Growers, assignee: *See*—
Kofold, Melvin J.

Novell, Edward W.: *See*—
Bowen, Oliver G., and Novell.

Numbers, William, Huntington, N. Y. Combined lens cover and lens brush. 2,583,228, Jan. 22.

Ohio Brass Company, The, assignee: *See*—
Larsson, Ernst A.

Ohio Crankshaft Company, The, assignee: *See*—
Body, Alfred C.
Cachat, John F.
Dunn, William C.

Oliver, David H.: *See*—
Haertel, Walter G., Oliver, and Smallbeck.

Oliver, John P., Berea, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Pre-electrolysis treatment of pickle liquor. 2,583,099, Jan. 22.

Oliver, John P., Berea, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Electrolytic cell. 2,583,101, Jan. 22.

Olsen, Elof F., Brantford, Ontario, Canada. Resilient discharge valve for dispensers operated by pressure of the contents. 2,583,340, Jan. 22.

Olsen, Karl M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Asymmetric electrical conducting device. 2,583,008, Jan. 22.

Olsen, Karl M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Asymmetric electrical conducting device. 2,583,009, Jan. 22.

Olson, Raymond J.: *See*—
Emmert, George W., and Olson.

Olson, Robert D., Fort Wayne, Ind. Spinning top. 2,583,275, Jan. 22.

Oltz, Howard R., Hammond, Ind. Pane fastener. 2,583,303, Jan. 22.

O'Neil, James R., San Francisco, Calif. Puzzle game. 2,583,229, Jan. 22.

Opie, Joseph W., D. T. Warner, and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Synthesis of tryptophane. 2,583,010, Jan. 22.

Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Beet topper. 2,583,011, Jan. 22.

Orlando, Don S., near Cupertino, Calif. Box dumping machine. 2,583,490, Jan. 22.

Orlando, Joseph F., Washington, D. C. Plumb bob device. 2,583,491, Jan. 22.

Osbon, William O., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating apparatus. 2,583,153, Jan. 22.

Oswald, Frederick G.: *See*—
Oswald, Joseph H. and F. G.

Oswald, Joseph H., South Euclid, and F. G. Oswald, Cleveland, Ohio. Panel closure. 2,583,439, Jan. 22.

Overdick, Harold: *See*—
Wrolson, Woodrow F., and Overdick.

Oxley, Arthur G. H., Banbury, and D. A. J. Oxley, near Banbury, England. Electric fuses and releasable connectors. 2,583,440, Jan. 22.

Oxley, Douglas A. J.: *See*—
Oxley, Arthur G. H. and D. A. J.

Paasche, Jens A., Wilmette, Ill. Water wash booth. 2,583,390, Jan. 22.

Paerse-Laing Limited, assignee: *See*—
Laing, Robert.

Palmer, B. J., assignee: *See*—
Thompson, Joseph C.

Palmer, Lewis E., Washington, assignor to Union Insulating Co., Inc., Parkersburg, W. Va. Apparatus for molding plastic lamp receptacles. 2,583,441, Jan. 22.

Pape, Josephine, Reno, Nev. Dustpan. 2,583,154, Jan. 22.

Parker, Humphrey F., Buffalo, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Anti-skid chain. 2,583,155, Jan. 22.

Parker, Louis W., Little Neck, assignor to International Standard Electric Corporation, New York, N. Y. Class AB operation of horizontal sweep amplifier. 2,583,012, Jan. 22.

Parker Pen Company, The, assignee: *See*—
Frentzel, Herman C.

Parlini, Alexander C., Freeport, N. Y., E. Hascher, Irvington, and H. Recker, Ridgewood, N. J., assignors to Empire State Laboratories, New York, N. Y. Picture viewer mechanism. 2,583,442, Jan. 22.

Parsons, C. A., & Company Limited, assignee: *See*—
Martin, Albert E.

Patnode, Homer W., Hampton Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Determining formation factor of irregular rock samples. 2,583,276, Jan. 22.

Patterson, John A., Westfield, N. J., assignor to Standard Oil Development Company. Condensation of sublimable material. 2,583,013, Jan. 22.

Patton, Edward A.: *See*—
Baker, Merle W., Bell, Curtis, and Patton.

Paulsen, Edward H., Baltimore, Md. Differential pressure sampling device. 2,583,060, Jan. 22.

Pennsylvania Rubber Company, assignee: *See*—
Gammeter, John R.

Pentel, Leon, Forest Hills, N. Y. Support for artificial teeth. 2,583,156, Jan. 22.

Perga Containers Limited, assignee: *See*—
Kayat, Elias.

Perry, Fairfield S.: *See*—
Perry, Walter M. and F. S.

Perry, Walter M., Darien, and F. S. Perry, New Canaan, Conn. Pallet for handling materials. 2,583,443, Jan. 22.

Peters, Harold R., Evansville, Ind. Adjustable window awning. 2,583,230, Jan. 22.

Phillips Petroleum Company, assignee: *See*—
Carnell, Paul H.
Clark, Alfred.
Hillyer, John C., and Edmonds.
Reynolds, William B.

Picker X-Ray Corporation Waite Manufacturing Division Inc., The, assignee: *See*—
Goldfield, Edwin R., and Ball.
Graves, Edward B.

Pierce, Lawrence, Swissvale, and J. C. Ponstingl, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mounting clamp for terminal blocks. 2,583,157, Jan. 22.

Pieth, Peter, assignor to Ciba Limited, Basel, Switzerland. Effecting coupling reactions. 2,583,517, Jan. 22.

Pinotti, Primo L., Larkspur, assignor to California Research Corporation, San Francisco, Calif. Diesel fuel. 2,583,518, Jan. 22.

Piperoux, Rene P., Radburn, and J. N. Birmingham, Nutley, N. J., assignors to Celanese Corporation of America, New York, N. Y. Mandrel. 2,583,117, Jan. 22.

Pipher, George J., assignor to Willson Products, Inc., Reading, Pa. Dust hood. 2,583,304, Jan. 22.

Pirie, Norman W.: *See*—
Hadidian, Zareh, and Pirie.

Pittsburgh Plate Glass Company, assignee: *See*—
Lytle, William O.

Pollok, Frederick J., Largs, Scotland, assignor to Imperial Chemical Industries Limited. Aqueous solutions containing soapless detergents. 2,583,492, Jan. 22.

Ponstingl, John C.: *See*—
Pierce, Lawrence, and Ponstingl.

Porambo, Francis E., Cliffwood Beach, N. J. Portable hot food cabinet. 2,583,118, Jan. 22.

Pouliart, Willy Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Automatic control of final selectors. 2,583,014, Jan. 22.

Power, Ernest B.: *See*—
Nelson, Evan H., and Power.

Powell, Paul R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming retractile cords. 2,583,119, Jan. 22.

Prentice, James M., South Hadley, and J. R. Umbach, Longmeadow, assignors to The Electric Game Company, Holyoke, Mass. Game wicket device. 2,583,493, Jan. 22.

Productive Inventions, Inc., assignee: *See*—
Smulski, Theodore J.

Public Service Coordinated Transport, assignee: *See*—
Lyman, Albert A.

Pudelko, Hermann, assignor to Dnerkoppwerke Aktiengesellschaft, Bielefeld, Germany. Stitch regulator of sewing machines. 2,583,444, Jan. 22.

Pullis, George A.: *See*—
Clutts, Charles E., Pullis, Schenck, and Weber.

Pure Oil Company, The, assignee: *See*—
Bond, Donald C.
Bond, Donald C., and Russell.
Brennan, Elmer W., and Williams.

Quijano, Ecequiel: *See*—
Aja, Sisto, and Quijano.

Quinn, Bert A., St. Paul, Minn. Resilient strike plate. 2,583,391, Jan. 22.

Radio Corporation of America, assignee: *See*—
Clark, Edwin L.
Schade, Otto H.
Wolff, Irving.

Radio Patents Corporation, assignee: *See*—
Guanella, Gustav, and Guttinger.

Ragland, Douglas, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Pulsation dampener. 2,583,231, Jan. 22.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Accessory system for motor vehicles. 2,583,120, Jan. 22.

Rasmusen, Reidar P. C.: *See*—
Carpenter, Otis R., Armstrong, and Rasmusen.

Recker, Heinz: *See*—
Parlini, Alexander C., Hascher, and Recker.

Reed, Bayard C., Chicago, Ill. Rocking figure toy. 2,583,061, Jan. 22.

Reese, John D., Philadelphia, Pa. Skin graft receiving member. 2,583,341, Jan. 22.

Reeves, Arthur E., Los Angeles, Calif. Continuous film printer with automatic control of electromagnetically actuated shutter operating means. 2,583,342, Jan. 22.

Reich, John A., Chester, Va., assignor to Combustion Engineering-Superheater, Inc., New York, N. Y. Boiler tube protected against corrosive substances. 2,583,015, Jan. 22.

Reichart, James H., deceased, Muncie, Ind.; Merchants Trust Co., executor. Nonsagging, oppositely-swinging hinge structure. 2,583,305, Jan. 22.

Reichhold Chemicals, Inc., assignee: *See*—
Bevan, Eric A., and Robinson.

Research Corporation, assignee: *See*—
Mueller, Hans.

Reynolds, Delos J., Chicago, Ill., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Subsynchronous intermittent-voltage apparatus. 2,583,158, Jan. 22.

Reynolds, Frederick L., San Francisco, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Mass spectrometer ion source. 2,583,121, Jan. 22.

Reynolds, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Emulsion polymerization with a redox catalyst comprising a diazo thioether. 2,583,277, Jan. 22.

Rhodes, M. H., Incorporated, assignee: *See*—
Van Valdenburgh, Merritt, and Laviana.

Riboud, Jacques M., Baltimore, Md. Vapor selective breather. 2,583,062, Jan. 22.

Richardson, Henry K.: *See*—
Laidig, Alfred H., and Richardson.

Richardson, Richard P., Erith, England. Voltaic battery. 2,583,063, Jan. 22.

Rigid Limited, assignee: *See*—
Herrmann, Friedrich.

Rilling, George, Anna, Ohio. Educational device embodying a plurality of relatively movable alphabetic shapes for forming letters or word combinations. 2,583,494, Jan. 22.

Riordan, John A., Denver, assignor to J. T. Clark, Fort Morgan, Colo. Tool for spreading split ends of connecting rods. 2,583,392, Jan. 22.

Ritter, Roy and W., Lewes, Del. Frame structure for mobile viners. 2,583,016, Jan. 22.

Ritter, William: *See*—
Ritter, Roy and W.

Robco Corporation, assignee: *See*—
Greenwald, Harry.

Robertson, D. R., Limited, assignee: *See*—
Sampietro, Achille C.

Robinson, Ralph S.: *See*—
Bevan, Eric A., and Robinson.

Rockwell Manufacturing Company, assignee: *See*—
Niesemann, Fritz.

Rodman, Frank A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glass sheet glazing construction. 2,583,343, Jan. 22.

Rohm & Haas Company, assignee: *See*—
McKeever, Charles H.

Rosenblatt, Louis, Wildwood, and W. A. Moore, Tampa, Fla. Adjustable railway crossing. 2,583,278, Jan. 22.

Rotax Limited, assignee: *See*—
Woodall, Raymond H.

Roueche, Floyd C., Los Angeles, Calif. Printer's chase. 2,583,495, Jan. 22.

Rougelot, Guy, Enghein-les-Bains, Seine-et-Oise, assignor to Societe Algol, Agnetz, Clos Altair, France. Gradual change-speed gear with multiple friction. 2,583,496, Jan. 22.

Roullard, Edward L., assignor to Goodall-Sanford, Inc., Sanford, Maine. Protector mechanism for double shuttle looms. 2,583,344, Jan. 22.

Rousseau, Claude, Montmagny, Quebec, Canada. Circuit breaker switch. 2,583,122, Jan. 22.

Rowley, Arthur, Green Lake, Wis., and B. E. Jones, Oak Park, Ill. Fluid actuated toy motive device. 2,583,123, Jan. 22.

Royer, Celestin A., Champaign, Ill. Windshield visor. 2,583,306, Jan. 22.

Rudahl, Arnold E., Middlefield, assignor to Landers, Frary & Clark, New Britain, Conn. Percolator coffee maker. 2,583,279, Jan. 22.

Rumscheidt, Gottfried E.: *See*—
Goppel, Johan M., and Rumscheidt.

Russell, Irving H., Oak Park, assignor to Sloan Valve Company, Chicago, Ill. Shower head. 2,583,232, Jan. 22.

Russell, Irving H., Oak Park, assignor to Sloan Valve Company, Chicago, Ill. Shower head. 2,583,233, Jan. 22.

Russell, Irving H., Oak Park, and W. E. Sloan, River Forest, assignors to Sloan Valve Company, Chicago, Ill. Shower head. 2,583,234, Jan. 22.

Russell, Nelson B.: *See*—
Bond, Donald C., and Russell.

Rybak, William E., Sr., Cleveland, Ohio. Cigar holder. 2,583,235, Jan. 22.

Sabin, Olive A., London, England. Brassière. 2,583,445, Jan. 22.

Salmon, Reginald D., assignor, by mesne assignments, to Creed and Company, Ltd., Croydon, England. Type-wheel arresting mechanism for printing telegraph apparatus. 2,583,017, Jan. 22.

Sampietro, Achille C., known as Achilles C. Sampietro, assignor to D. R. Robertson Limited, London, England. Rotary annular electromagnet. 2,583,124, Jan. 22.

Sampietro, Achilles C.: *See*—
Sampietro, Achille C.

Sanderson, Thomas E. F., Ruislip, assignor to Adrema Limited, London, England. Addressing and like printing machines. 2,583,188, Jan. 22.

Sandoz A. G., assignee: *See*—
Lüscher, Ernst, and Engeloch.

Sappey, Harold: *See*—
Alstadt, Benjamin, and Sappey.

Satterlee, Eugene M., Meadville, Pa. Automatically atmospheric controlled motor. 2,583,018, Jan. 22.
Sayre, Gordon B., assignor to Boonton Molding Company, Boonton, N. J. Electronic heating. 2,583,393, Jan. 22.
Saywell Associates, assignee: *See*
Saywell, Lawrence G.
Saywell, Lawrence G., San Mateo, assignor to Saywell Associates, South San Francisco, Calif. Sealing assembly. 2,583,019, Jan. 22.
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Apparatus for modifying the transfer characteristics of a vacuum tube. 2,583,345, Jan. 22.
Schenck, Alfred K.: *See*
Clutts, Charles E., Pullis, Schenck, and Weber.
Schmid, Max, Riehen, and E. Moser, assignors to Ciba Limited, Basel, Switzerland. Azo dyestuffs. 2,583,519, Jan. 22.
Schmidt, Paul: *See*—
Druey, Jean, and Schmidt.
Schneider, Albert P., Milwaukee, Wis. Hydraulic control system. 2,583,307, Jan. 22.
Schott, John E., New York, and E. L. Armstrong, Garden City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Extreme pressure greases. 2,583,394, Jan. 22.
Schueren, William B.: *See*—
Widman, John C., and Schueren.
Schumacher, Erwin A.: *See*—
Helse, George W., Schumacher, and Wilson.
Schweltzer, Frank J., Brea, Calif. Ribbon-stripper packer unit. 2,583,497, Jan. 22.
Searle, G. D., & Co., assignee: *See*—
Hadidian, Zareh, and Pirie.
Segrove, Herbert D., Thornton Heath, assignor to Standard Brick & Sand Company Limited, Holmethorpe, Redhill, England. Chemical treatment of sand for glassmaking. 2,583,280, Jan. 22.
Sexton, Francis G., assignor to W. H. Smith & Son Limited, London, England. Pad of continuous stationery. 2,583,064, Jan. 22.
Shannon, John K., Kenosha, Wis. Landing retarder for model planes. 2,583,125, Jan. 22.
Sheldon, Howard W.: *See*—
Hartough, Howard D., and Sheldon.
Shell Development Company, assignee: *See*—
Goppel, Johan M., and Rumscheidt.
Wachter, Aaron, and Newschwander.
Shewmon, Ralph K., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ground connection clip for motor mounts. 2,583,189, Jan. 22.
Shorter, Sydney A., assignee: *See*—
Jones, Eric H., and Shorter.
Shure Brothers, Incorporated, assignee: *See*—
Bauer, Benjamin B.
Simplex Wire & Cable Co., assignee: *See*—
Swift, Bernard.
Swift, Bernard, and Kenney.
Sinclair Research Laboratories Inc., assignee: *See*—
Glover, John A., and Johnson.
Sinclair Refining Company, assignee: *See*—
Teter, John W.
Singer Manufacturing Company, The, assignee: *See*—
Stevenson, Robert L., and Herr.
Sinnard, Charles M., Grand Island, Nebr. Floor waxing device. 2,583,446, Jan. 22.
Skelly, John B., deceased, Seattle, Wash.; M. Y. Skelly, executrix, assignor to M. Y. Skelly, Seattle, Wash. Sash cord holder. 2,583,395, Jan. 22.
Skelly, Mary Y., executrix, assignee: *See*—
Skelly, John B.
Skoog, Per F., Olympia, Wash. Inlaying sheet material and the products thereof. 2,583,396, Jan. 22.
Sloan, Edward C., Madison, Wis., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Accordion bellows construction. 2,583,308, Jan. 22.
Sloan Valve Company, assignee: *See*
Russell, Irving H.
Russell, Irving H., and Sloan.
Sloan, William E.: *See*—
Russell, Irving H., and Sloan.
Sloderbeck, William J., and W. H. Fritz, Sr., Southfield Township, Oakland County, assignors to Goddard and Goddard Company, Detroit, Mich. Cutting tool. 2,583,309, Jan. 22.
Sly, W. W., Manufacturing Company, The, assignee: *See*—
Boesger, George A.
Smallbeck, Verner H.: *See*
Haertel, Walter G., Oliver, and Smallbeck.
Smith Bearing Company, Inc., The, assignee: *See*—
Maas, Leonhard A.
Smith, David C., Chicago, Ill. Clothespin. 2,583,020, Jan. 22.
Smith, Otto J. M.: *See*—
Altar, William, and Smith.
Smith, Paul V., Jr.: *See*—
Carlson, Carl S., and Smith.
Smith, W. H., & Son Limited, assignee: *See*—
Sexton, Francis G.
Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper apparatus. 2,583,126, Jan. 22.
Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper. 2,583,127, Jan. 22.
Smyth, Charles N., Sidcup, England, assignor to International Standard Electric Corporation, New York, N. Y. Selection of predetermined interruption pulse for frame synchronization. 2,583,021, Jan. 22.
Societe Algol, Agnetz, assignee: *See*—
Rougelot, Guy.
Societe Anonyme Louvroil Montbard Auinoye, assignee: *See*—
Hartemann, Georges.
Societe Electro-Metallurgique du Planet, assignee: *See*—
Basseteau, Georges.
Societe Genevoise d'Instruments de Physique, assignee: *See*—
Dürler, Jacques.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Hartough, Howard D., and Sheldon.
Schott, John E., and Armstrong.
Sodergreen, Axel L., Great Neck, N. Y. Producing coconut oil. 2,583,022, Jan. 22.
Solventol Chemical Products, Inc., assignee: *See*—
Campbell, Charles A.
Sorbel, Alfred C., Hanska, Minn. Tile setter for bored wells. 2,583,498, Jan. 22.
Spalding, A. G., & Bros. Inc., assignee: *See*—
Azton, Benjamin J., Jr.
Spangenberg, Karl R., Palo Alto, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Automatic frequency control for klystron oscillators. 2,583,023, Jan. 22.
Sparks, William J.: *See*—
Garber, John D., Young, and Sparks.
Young, David W., Sparks, and Garber.
Spence Engineering Company, Inc., assignee: *See*—
Spence, Paulsen.
Spence, Paulsen, Baton Rouge, La., assignor to Spence Engineering Company, Inc., Walden, N. Y. Temperature control device. 2,583,236, Jan. 22.
Spicer, William E.: *See*—
Watts, Rhea N., and Spicer.
Spindel-, Motoren- und Maschinenfabrik A. G., assignee: *See*—
Beerli, Karl.
Sprunger, Jacob J., assignor of twenty-five per cent to W. E. Frederick, Fort Wayne, Ind. Pliers. 2,583,346, Jan. 22.
Square Manufacturing Company, assignee: *See*—
Arnett, Leslie.
Standard Brick & Sand Company Limited, assignee: *See*—
Segrove, Herbert D.
Standard Oil Development Company, assignee: *See*—
Carlson, Carl S., and Smith.
Garber, John D., Young, and Sparks.
Hawley, Roger S.
Morway, Arnold J.
Morway, Arnold J., and Ball.
Patterson, John A.
Ragland, Douglas.
Watts, Rhea N., and Spicer.
Wiese, Herbert K.
Young, David W., Sparks, and Garber.
Standard Steel Corporation, assignee: *See*—
Lewis, William H.
Stanley Works, The, assignee: *See*—
Volz, Frederick A.
Starre, Gerrit, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Templet for centering loose objects. 2,583,310, Jan. 22.
Stegena, Michael, Steubenville, Ohio. Corsage frame. 2,583,237, Jan. 22.
Stephan, Hallis N., Cleveland Heights, Ohio, assignor, by mesne assignments, to The New Britain Machine Company, New Britain, Conn. Clutch operating mechanism. 2,583,065, Jan. 22.
Stevenson, Robert L., Somerville, and J. A. Herr, Hillside, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Dual electrode tuning units for electric bonding machines. 2,583,128, Jan. 22.
Stiffel, Theophile A., Chicago, Ill. Combination lamp and television antenna. 2,583,066, Jan. 22.
Strässler, Karl, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland. Comb-cylinder clearing arrangement in combing machines. 2,583,281, Jan. 22.
Straub, John C., South Bend, assignor to American Wheelabrator & Equipment Corporation, Mishawaka, Ind. Classifier. 2,583,447, Jan. 22.
Strobel, Joseph J., Washington, D. C. Surface treatment of molded material. 2,583,024, Jan. 22.
Strong Appliance Industries, Incorporated, assignee: *See*
Wibling, Seth E.
Strunk, Kenith G., East Orange, assignor to Breeze Corporations, Inc., Newark, N. J. Radio shielded ignition lead terminal with pressure barrier. 2,583,067, Jan. 22.
Strysko, George, Flushing, N. Y. Automatic control for temperature controlling systems. 2,583,397, Jan. 22.

Stuewe, Clarence C., assignor to The Greif Bros. Cooperage Corporation, Cleveland, Ohio. Barrel hoop. 2,583,190, Jan. 22.
Sullivan, Cornelius J., Somerville, and H. R. Fisher, Metuchen, N. J., assignors to Air Reduction Company, Incorporated. Cutting steel having a high chromium content. 2,583,068, Jan. 22.
Sunbeam Corporation, assignee: *See*—
Gardner, Donald H.
Sutter, Paul, Binningen, and W. Kern, Rutscheten, assignors to Ciba Limited, Basel, Switzerland. Acylaminochloranthraquinone thianthrene vat dyestuffs. 2,583,448, Jan. 22.
Sutter, Paul, Binningen, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. Quinazoline derivative vat dyestuffs. 2,583,520, Jan. 22.
Sutton, Donald E., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Sound silencing means for circular saws. 2,583,238, Jan. 22.
Svenska Lasmutter Aktiebolaget, assignee: *See*—
Meyer, Sven F. E.
Swanson, Nels H., Chicago, Ill. Drill grinding apparatus. 2,583,159, Jan. 22.
Swift, Bernard, Melrose, and N. D. Kenney, Hingham, assignors to Simplex Wire & Cable Co., Cambridge, Mass. Interlocked cable insulation. 2,583,025, Jan. 22.
Swift, Bernard, Melrose, assignor to Simplex Wire & Cable Co., Cambridge, Mass. Cable with interlocked insulating layers. 2,583,026, Jan. 22.
Tarnoff, Myron S., Omaha, Nebr. Venetian blind. 2,583,449, Jan. 22.
Taylor, Frank H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Tuning system for coaxial cavity resonators. 2,583,027, Jan. 22.
Technicolor Motion Picture Corporation, assignee: *See*—
Andreas, John M.
Clark, Lauriston E.
Technicon Company, The, assignee: *See*—
Kling, Nelson G.
Teegen, Hermann, Gunde, assignor to Lohmann-Werke A. G., Bielfeld, Germany. Internal-combustion engine. 2,583,499, Jan. 22.
Temple, Harold F., Elmont, assignor to Victor Industries Corporation, Brooklyn, N. Y. Tube trimming and piercing machine. 2,583,521, Jan. 22.
Terry, David E., and D. T. Warner, Minneapolis, Minn., assignors to General Mills, Inc. Improvement of color and color stability of saturated fatty acids. 2,583,028, Jan. 22.
Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Separation of carbon monoxide from gaseous mixtures. 2,583,239, Jan. 22.
Texas Company, The, assignee: *See*—
Atwell, Harold V.
Watson, Claude W.
Thomas, Everett A., North Tonawanda, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Porous zircon refractory and making. 2,583,160, Jan. 22.
Thompson, Edward W., Spokane, Wash. Ash receptacle. 2,583,240, Jan. 22.
Thompson, Joseph C., assignor to B. J. Palmer, Davenport, Iowa. Instrument reading training device. 2,583,398, Jan. 22.
Thompson, William J., Wichita Falls, Tex. Dehorning instrument. 2,583,347, Jan. 22.
Tilford, Charles H., Silverton, and M. G. van Campen, Jr., Wyoming, assignors to The Wm. S. Merrell Company, Cincinnati Ohio. Amino alcohol esters of aliphatic alicyclic carboxylic acids. 2,583,450, Jan. 22.
Townsend, Frederick H., assignor to Cathodeon Limited, Cambridge, England. Cathode-ray tube. 2,583,500, Jan. 22.
Townsend, Mark A., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparing glow discharge devices. 2,583,029, Jan. 22.
Tranter, Watson W., and H. C. Hollinger, assignors to A. R. Farquhar Company, York, Pa. Vegetable digger. 2,583,241, Jan. 22.
Trico Products Corporation, assignee: *See*—
Rappl, Anton.
Turkenkoph, Sylvanus C., and T. Evans, Louisville, Ky., assignors, by mesne assignments, to Minneapolis Moline Company, Hopkins, Minn. Pressure seated reversing valve. 2,583,242, Jan. 22.
Tusa, Philip: *See*—
Weil, Lester L., and Tusa.
Tweedle, Charles J., Fanny Bay, British Columbia, Canada. Chain saw. 2,583,243, Jan. 22.
Umbach, James R.: *See*—
Prentice, James M., and Umbach.
Underwood, Wilford H., Atlanta, Ga. Illuminated road barricade. 2,583,244, Jan. 22.
Union Carbide and Carbon Corporation, assignee: *See*—
Burt, Samuel L.
Heise, George W., Schumacher, and Wilson.
Oliver, John P.
Wilson, Howard R.
Union Insulating Co., Inc., assignee: *See*—
Palmer, Lewis E.
Union Oil Company of California, assignee: *See*—
Berg, Clyde H. O.
Deering, Roland F.
United Aircraft Corporation, assignee: *See*—
Coar, Richard J.
United Shoe Machinery Corporation, assignee: *See*—
Ewart, John M., and Macdonald.
United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Chun, Melvin E.
Reynolds, Frederick L.
United States Rubber Company, assignee: *See*—
Brucksch, William F., Jr., and Howland.
United States Stoneware Company, The, assignee: *See*—
Eckert, John S.
Universal Oil Products Company, assignee: *See*—
Hoekstra, James.
Urbano, Joseph V., Newark, N. J. Brake shoe lining stripper. 2,583,161, Jan. 22.
Utter, Raymond E., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Remote control parking windshield wiper motor. 2,583,348, Jan. 22.
Van Campen, Marcus G., Jr.: *See*—
Tilford, Charles H., and Van Campen.
Van der Meer, Willem A.: *See*—
Lolkema, Jan, and van der Meer.
Van Heeckeren, Willem J., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Hot-gas motor with means for controlling the heat supply therefor. 2,583,311, Jan. 22.
Van Valkenburgh, Merritt, Upper Nyack, N. Y., and L. J. Lavlana, Kensington, assignors to M. H. Rhodes Incorporated, Hartford, Conn. Timing device. 2,583,245, Jan. 22.
Vérel, Evelyn I., Stirling, Scotland. Stopper for containers. 2,583,162, Jan. 22.
Vickers Incorporated, assignee: *See*—
Harrington, Ferris T.
Victor Industries Corporation, assignee: *See*—
Jung, Albert H.
Temple, Harold F.
Virtue Bros. Mfg. Co., assignee: *See*—
Virtue, Philip M.
Virtue, Philip M., assignor to Virtue Bros. Mfg. Co., Los Angeles, Calif. Lock for extension tables. 2,583,282, Jan. 22.
Vitarama Corporation, The, assignee: *See*—
Waller, Fred, and Babish.
Voices, Inc., assignee: *See*—
Wilhelm, John H.
Volz, Frederick A., assignor to The Stanley Works, New Britain, Conn. Doweling jig. 2,583,283, Jan. 22.
Voorhees, Milton S., Point Pleasant Beach, N. J. Trailer coupler. 2,583,191, Jan. 22.
Votruba, Vojtěch, Ceske Budejovice Ulice L. B., assignor to Koh-I-Noor Tuzkarna L. & C. Hardtmuth, narodni podnik, Ceske Budejovice, Czechoslovakia. Mechanical lead pencil with finger operable lead projecting and retracting means. 2,583,069, Jan. 22.
W-K-M Company, assignee: *See*—
Laurent, Milton P.
Wachter, Aaron, Oakland, Calif., and W. W. Newschwander, Ellensburg, Wash., assignors to Shell Development Company, Emeryville, Calif. Corrosion prevention method. 2,583,399, Jan. 22.
Wade, William J., Seattle, Wash. Duck and goose call. 2,583,400, Jan. 22.
Waite Carpet Company, assignee: *See*—
Waite, Philip C.
Waite, Philip C., assignor to Waite Carpet Company, Oshkosh, Wis. Rug. 2,583,192, Jan. 22.
Walker, Brooks, Piedmont, Calif. Venetian blind. 2,583,031, Jan. 22.
Waller, Fred, and R. C. Babish, Huntington, assignors to The Vitarama Corporation, Huntington Station, N. Y. Parallax correction for multilens cameras. 2,583,030, Jan. 22.
Wallerstein Company, Inc., assignee: *See*—
Wallerstein, Leo, and Gray.
Wallerstein, Leo, New York, and P. P. Gray, Forest Hills, assignors to Wallerstein Company, Inc., New York, N. Y. Production of dextrose. 2,583,451, Jan. 22.
Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Swivel pin mounting for planer aprons. 2,583,501, Jan. 22.
Warner, Donald T.: *See*—
Opie, Joseph W., Warner, and Moe.
Terry, David E., and Warner.
Wasserman, Rene D., New York, N. Y. Alloying process in bonding metals. 2,583,163, Jan. 22.
Water Cooling Equipment Co., assignee: *See*—
Green, Nathaniel P., Barrett, and Bass.
Waterman, Herbert C., Chicago, and M. R. Winkler, La Grange Park, assignors to Motorola, Inc., Chicago, Ill. Selective calling system. 2,583,032, Jan. 22.
Watson, Claude W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Production of liquid hydrocarbons, oxygenated hydrocarbons and the like. 2,583,164, Jan. 22.

Watts, Rhea N., and W. E. Spicer, Baton Rouge, La., assignors to Standard Oil Development Company. Manufacture of hollow magnetite bead catalyst. 2,583,452, Jan. 22.

Wayto, Stephen, Schenectady, N. Y. Power system. 2,583,312, Jan. 22.

Webb, Samuel W., Preston, Kans. Intermediate pivot gate and latch. 2,583,070, Jan. 22.

Weber, Laurance A.: *See*
Clutts, Charles E., Pullis, Schenck, and Weber.

Weil, Lester L., West Orange, N. J., and P. Tusa, Brooklyn, assignors to E. F. Drew & Co., Inc., New York, N. Y. Refining organic acid esters containing free acids. 2,583,193, Jan. 22.

Weinstein, Leon, St. Louis, Mo. Shank brace. 2,583,071, Jan. 22.

Welsbecker, Frank G., Philadelphia, Pa. Knitting machine attachment. 2,583,453, Jan. 22.

Weisler, Leonard, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Vitamin A derivatives and preparing the same. 2,583,194, Jan. 22.

Weiss, Herbert K., El Paso, Tex. Apparatus for determining course of an aerial target. 2,583,033, Jan. 22.

Weltmer, Wilton W., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pipe joint. 2,583,401, Jan. 22.

Western Electric Company, Incorporated, assignee: *See*
Powell, Paul R.

Westinghouse Electric Corporation, assignee: *See*—
Allbert, Eugene F., and Auburn.
Altar, William, and Smith.
Anderson, William H., and Frey.
Auburn, Basil J., and Lessmann.
Carter, John M., and Boykin.
Ellis, Delbert.
Else, Harry D.
Esarey, Raymond W.
Glick, Harvey L.
Jacob, Mark I.
Kimball, Albert W., and Allbert.
Laldig, Alfred H., and Richardson.
Minter, Herbert E., Foster, and Leven.
Nobles, Charles E., and Lee.
Osbon, William O.
Pierce, Lawrence, and Ponstingl.
Reynolds, Delos J.

Wheeler Insulated Wire Company, Incorporated, The, assignee: *See*
Baker, Randall B.

White, James E., assignee: *See*—
Hoffman, Warren G.

Wibling, Seth E., assignor to Strong Appliance Industries, Incorporated, Danbury, Conn. Can opener. 2,583,034, Jan. 22.

Wico Electric Company, assignee: *See*—
Brownlee, Allen L.
Harmon, Kenneth A., and Guernsey.

Widman, John C., Royal Oak, and W. B. Schueren, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Adjustable vehicle seat. 2,583,349, Jan. 22.

Wiese, Herbert K., Cranford, N. J., assignor to Standard Oil Development Company. Pressure titration. 2,583,454, Jan. 22.

Wiggins, Leonard A., Cuyahoga Falls, Ohio. Ball out-demand regulator. 2,583,502, Jan. 22.

Wilcox, George, Anna, Tex. Air conditioner. 2,583,195, Jan. 22.

Wilhelm, John H., Hamilton Beach, N. Y., assignor to Voices, Inc., Bayonne, N. J. Sound producing device, especially for dolls. 2,583,402, Jan. 22.

Williams, Norman D.: *See*—
Brennan, Elmer W., and Williams.

Williams & Watson Limited, assignee: *See*—
Wilson, Lionel B.

Williams, Willie H., Atlanta, Ga. Reamer for the rough ends of tubular members. 2,583,246, Jan. 22.

Willson Products, Inc., assignee: *See*—
Plpher, George J.

Wilson, Howard R.: *See*—
Heise, George W., Schumacher, and Wilson.

Wilson, Howard R., Painesville, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Treatment of a metallic cathode to receive electrodeposited metal. 2,583,100, Jan. 22.

Wilson, John H., Wichita Falls, Tex. Derrick. 2,583,072, Jan. 22.

Wilson, Lionel B., Prescot, assignor to Williams & Watson Limited, Liverpool, England. Method and apparatus for welding aluminum and its alloys. 2,583,455, Jan. 22.

Winkler, Marion R.: *See*—
Waterman, Herbert C., and Winkler.

Winquist, Karl G., Stockholm, assignor to Carlfors Aktiebolag, Huskvarna, Sweden. Apparatus in the production of aluminum and other powder with leaf structure or needle form. 2,583,456, Jan. 22.

Winslow, Charles A., and J. J. Meyer, Alameda County, assignors to Winslow Engineering Co., Oakland, Calif. Fluid purifier. 2,583,522, Jan. 22.

Winslow Engineering Co., assignee: *See*—
Winslow, Charles A., and Meyer.

Winterhalter, Martin, Morcote, Switzerland. Sliding clasp fastener. 2,583,035, Jan. 22.

Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, as trustee, Waukegan, Ill. Magnetic torque apparatus. 2,583,523, Jan. 22.

Winther, Martin P., trustee, assignee: *See*—
Winther, Anthony.

Wiser, Guy B., Los Angeles, assignor to Marador Corporation, Glendale, Calif. Bookbinding. 2,583,403, Jan. 22.

Wissmiller, Vernon D., Chicago, Ill., and R. A. Beveridge, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heating system control apparatus. 2,583,524, Jan. 22.

Witzgall, Herbert J., West Stockbridge, Mass., assignor to General Electric Company. Hinged box. 2,583,350, Jan. 22.

Wolf, Robert S., Chicago, Ill. Forming foundry cores. 2,583,036, Jan. 22.

Wolff, Irving, Princeton, N. J., assignor to Radio Corporation of America. Position determining system. 2,583,503, Jan. 22.

Woodal, Raymond H., Wembley, assignor to Rotax Limited, London, England. Lubricator. 2,583,457, Jan. 22.

Worth, Jeanie H., assignee: *See*—
Worth, Winfield A., Jr.

Worth, Winfield A., Jr., assignor of one-half to Jeanie H. Worth, Hyattsville, Md. Art-style fastener for pin-up drawings. 2,583,129, Jan. 22.

Wrolson, Jerome, assignee: *See*—
Wrolson, Woodrow F., and Overdick.

Wrolson, Woodrow F., Minneapolis, and H. Overdick, Hopkins, said Overdick assignor to J. Wrolson, Crookston, Minn. Ohm measuring instrument. 2,583,130, Jan. 22.

Wurlitzer, Rudolph, Company, The, assignee: *See*—
Sloan, Edward C.

Wylam, Lawrence L., Welch, W. Va. Machine for mining and loading coal. 2,583,458, Jan. 22.

Wyles, Edwin C. H., Beeston, assignor to Boots Pure Drug Company Limited, Nottingham, England. Sheet pack holder. 2,583,459, Jan. 22.

Wyllie, Malcolm R. J., Indiana Township, Allegheny County, and G. A. Hogg, Kuwait, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Determining a parameter of earth formations penetrated by a borehole. 2,583,284, Jan. 22.

Wyrfel, Samuel P., West Hartford, assignor to The Bush Manufacturing Company, Hartford, Conn. Tube bending apparatus. 2,583,404, Jan. 22.

Yoder, Joe, Erieside, Ohio, assignor to General Electric Company. Sealing and terminating tubular devices. 2,583,525, Jan. 22.

Young, David W.: *See*—
Garber, John D., Young, and Sparks.

Young, David W., Roselle, W. J. Sparks, Westfield, and J. D. Garber, Cranford, N. J., assignors to Standard Oil Development Company. Preparing isoolefindiolefin copolymers of uniform average composition. 2,583,504, Jan. 22.

Youngman, Robert T., Longacres, Wooburn Green, England. Full span flap and aileron control. 2,583,405, Jan. 22.

Zander, Harold O., and P. B. Kuehl, South Bend, Ind. Truck for transporting upright cylinders. 2,583,196, Jan. 22.

Zehnder, Otto, assignor to Gebruder Zehnder Radiatoren- & Apparatebau, Granichen, Switzerland. Hydraulic piston-control rigging for refrigerator-compressors. 2,583,285, Jan. 22.

Zepelovitch, Nathan, assignor to N. A. Bernstein, New York, N. Y. Closure member. 2,583,460, Jan. 22.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22d DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for electrocoating striplike material. E. W. Rieger. Re. 23,456, Jan. 22.

Tank port and coupling. G. E. White. Re. 23,457, Jan. 22.

LIST OF DESIGN INVENTIONS

Ash tray. A. R. Albert. 165,705, Jan. 22.

Bank and book end, Combination. E. B. Fitzgerald. 165,712, Jan. 22.

Box. J. R. Watkins. 165,726, Jan. 22.

Chair. F. C. Maurer. 165,717, Jan. 22.

Cup. U. H. Despres. 165,711, Jan. 22.

Dish, Glass. P. Schneeloch. 165,723, Jan. 22.

Doll or similar article. J. Swedlin. 165,725, Jan. 22.

Drafting board, reference table and cabinet, Combined. C. Buehler. 165,707, Jan. 22.

Grinding machine. E. C. Hanna. 165,714, Jan. 22.

Hat. V. D. Johnson. 165,715, Jan. 22.

Holder, Eyeglass. J. H. Clark. 165,708, Jan. 22.

Letter scale, paper clips, and stamp container, Combined. C. H. Strauge. 165,724, Jan. 22.

Link chain for a bracelet or the like, Expansible. S. Meyerson. 165,718–19, Jan. 22.

Ophthalmic mounting or the like. C. A. Baratelli. 165,706, Jan. 22.

Pump. G. H. Zimmer, Jr. 165,727–9, Jan. 22.

Receptacle, Plant. P. T. Crane. 165,709, Jan. 22.

Sandal. G. S. Laham. 165,716, Jan. 22.

Signal, Warning. M. C. Pierce. 165,720, Jan. 22.

Sunglasses, Foldable. M. Rand. 165,721, Jan. 22.

Sweater. B. D. Gordon. 165,713, Jan. 22.

Table mat, Plastic. M. Rodier. 165,722, Jan. 22.

Table, Patio. R. E. Currle and H. F. Anderson. 165,710, Jan. 22.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22d DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accessory system for motor vehicles. A. Rappl. 2,583,120, Jan. 22.
Accordion bellows construction. E. C. Sloan. 2,583,308, Jan. 22.
Acrylonitrile itaconic monoester copolymers. G. F. D'Alelio. 2,583,325, Jan. 22.
Activating clay by roasting with admixed acid salts. G. R. Bond, Jr. 2,582,956, Jan. 22.
Acylaminochloranthraquinone thianthrene vat dyestuffs. P. Sutter and W. Kern. 2,583,448, Jan. 22.
Addressing and like printing machines. T. E. F. Sanderson. 2,583,188, Jan. 22.
Adjustable vehicle seat. J. C. Widman and W. B. Schueren. 2,583,349, Jan. 22.
Adsorption process. C. H. O. Berg. 2,583,352, Jan. 22.
Air conditioner. G. Wilcox. 2,583,195, Jan. 22.
Air or gas cleaning apparatus. T. W. Carraway. 2,583,252, Jan. 22.
Airport service station. B. P. Kunz. 2,583,181, Jan. 22.
Air-pressure operated drawer clamping machine. J. M. Lancaster. 2,583,219, Jan. 22.
Alarm signaling system. C. E. Clutts, G. A. Pullis, A. K. Schenck, and L. A. Weber. 2,583,088, Jan. 22.
Alcohols, Preparation of. P. H. Carnell. 2,583,413, Jan. 22.
Alcohols, Production of. J. C. Hillyer and J. T. Edmonds, Jr. 2,583,426, Jan. 22.
Alloying process in bonding of metals. R. D. Wasserman. 2,583,163, Jan. 22.
Aluminum-magnesium alloys. H. S. Cooper. 2,583,473, Jan. 22.
Amino alcohol esters of aliphatic, alicyclic carboxylic acids. C. H. Tilford and M. G. Van Campen, Jr. 2,583,450, Jan. 22.
Amplifier, Class AB operation of horizontal sweep. L. W. Parker. 2,583,012, Jan. 22.
Animal trap. A. Morici. 2,583,116, Jan. 22.
Annular forging and casting. R. W. Bailey. 2,583,315, Jan. 22.
Antenna, Manually rotatable directional. W. J. Edwards. 2,583,210, Jan. 22.
Antenna, Radio tower. J. Andrews. 2,583,287, Jan. 22.
Antiskid chain. H. F. Parker. 2,583,155, Jan. 22.
Apparatus for applying fasteners. J. C. Lang. 2,583,056, Jan. 22.
Apparatus for continuously applying a prescribed amount of liquid composition to a moving linear material. E. H. Jones and S. A. Shorter. 2,583,267, Jan. 22.
Apparatus for determining course of an aerial target. H. K. Weiss. 2,583,033, Jan. 22.
Apparatus for erasing thermoplastic phonograph records. A. I. Kegan. 2,583,297, Jan. 22.
Apparatus for forming retractile cords. P. R. Powell. 2,583,119, Jan. 22.
Apparatus for giving an internal gloss finish to a tube or the like of heat plastic material. J. S. Eckert. 2,583,330, Jan. 22.
Apparatus for heat-treating bimetallic strip material. D. H. Gardner. 2,583,046, Jan. 22.
Apparatus for homogenizing. A. G. Borck and C. Grönning. 2,583,206, Jan. 22.
Apparatus for making closures for containers. G. W. Emmert and R. J. Olson. 2,583,093, Jan. 22.
Apparatus for manufacturing boards of compressed cellulose material and the like. M. W. Baker, F. F. Bell, C. F. Curtis, II, and E. A. Patton. 2,583,249, Jan. 22.
Apparatus for modifying the transfer characteristics of a vacuum tube. O. H. Schade. 2,583,345, Jan. 22.
Apparatus for molding plastic lamp receptacles. L. E. Palmer. 2,583,441, Jan. 22.
Apparatus for supplying and distributing liquids. A. W. Eckstrom. 2,583,364, Jan. 22.
Apparatus in the production of aluminum and other powder with leaf structure or needle form. K. G. Winquist. 2,583,456, Jan. 22.
Aqueous solutions containing soapless detergents. F. J. Pollok. 2,583,492, Jan. 22.
Article release mechanism for vending machines. F. N. James. 2,583,217, Jan. 22.
Ash receptacle. E. W. Thompson. 2,583,240, Jan. 22.
Ash tray and receptacle. R. W. Nickerson. 2,583,389, Jan. 22.
Asymmetric electrical conducting device. K. M. Olsen. 2,583,008-9, Jan. 22.
Attachment for spring tooth harrows. E. A. Belike. 2,583,290, Jan. 22.

Automatic control for temperature controlling systems. G. Strysko. 2,583,397, Jan. 22.
Automatic control of final selectors. W. Pouliart. 2,583,014, Jan. 22.
Automatic frequency control for klystron oscillators. K. R. Spangenberg. 2,583,023, Jan. 22.
Automatic immersion apparatus. N. G. Kling. 2,583,379, Jan. 22.
Automatic poultry feeder. A. J. Bergeron. 2,582,203, Jan. 22.
Automatically atmospheric controlled motor. E. M. Satterlee. 2,583,018, Jan. 22.
Auxiliary contact device for electric contactors. D. Ellis. 2,583,139, Jan. 22.
Azo-dyestuffs. M. Schmid and E. Moser. 2,583,519, Jan. 22.
Bag: *See*—
Syringe bag.
Ball out demand regulator. L. A. Wiggins. 2,583,502, Jan. 22.
Bailing hook. B. O. Dotterer. 2,583,091, Jan. 22.
Ballast spreader. R. Kershaw. 2,583,378, Jan. 22.
Barrel hoop. C. C. Stuewe. 2,583,190, Jan. 22.
Battery, Voltaic. R. P. Richardson. 2,583,063, Jan. 22.
Bearing assembly. R. W. Esarey. 2,583,141, Jan. 22.
Bearing assembly. L. A. Maas. 2,583,382, Jan. 22.
Beet topper. J. W. Orendorff. 2,583,011, Jan. 22.
β,β,β-trichloroethylidene-acetyl-thiophenes. J. Druey and P. Schmidt. 2,583,508, Jan. 22.
Bit: *See*—
Detachable bit.
Blind. G. T. Duffin. 2,583,361, Jan. 22.
Block: *See*—
Scotch block.
Bobbin winder protector for sewing machines. G. Greenberg. 2,583,482, Jan. 22.
Boiler tube protected against corrosive substances. J. A. Reich. 2,583,015, Jan. 22.
Bookbinding. G. B. Wiser. 2,583,403, Jan. 22.
Bookholder, Student's. H. C. Heimann. 2,583,097, Jan. 22.
Bowling ball bumper and table support for automatic pin positioning machines. J. C. Clark. 2,583,208, Jan. 22.
Bowling pin clearing device. H. E. Hutzelman. 2,583,103, Jan. 22.
Bowling pin respotter. D. D. Jacobus. 2,583,052, Jan. 22.
Box: *See*—
Electrical distribution box. Hinged box.
Box dumping machine. D. S. Orlando. 2,583,490, Jan. 22.
Brace, Shank. L. Weinstein. 2,583,071, Jan. 22.
Brake shoe lining stripper. J. V. Urbano. 2,583,161, Jan. 22.
Brassière. O. A. Sabin. 2,583,445, Jan. 22.
Brush roll construction. L. E. Jones. 2,583,336, Jan. 22.
Building construction. J. E. Haddon. 2,583,422, Jan. 22.
Building material and making same. O. G. Bowen and E. W. Novell. 2,583,292, Jan. 22.
Built-in deck chair. P. L. Hall. 2,583,372, Jan. 22.
Cabinet: *See*—
Portable hot food cabinet.
Cable insulation, Interlocked. B. Swift and N. D. Kenney. 2,583,025, Jan. 22.
Cable with interlocked insulating layers. B. Swift. 2,583,026, Jan. 22.
Calibration unit for cathode-ray tubes. M. E. Chun. 2,583,469, Jan. 22.
Cam cutting machine. P. C. Durland. 2,583,363, Jan. 22.
Can feeding device. J. Albertoli. 2,583,313, Jan. 22.
Carburetor. L. T. Arnold. 2,583,406, Jan. 22.
Carrier: *See*—
Log carrier.
Cart, Nesting merchandise. L. Maslow. 2,583,514, Jan. 22.
Carton, Dish. A. E. Blummer. 2,583,081, Jan. 22.
Catalytic synthesis of hydrocarbons. H. V. Atwell. 2,583,134, Jan. 22.
Cathode-ray tube. F. H. Townsend. 2,583,500, Jan. 22.
Centrifugal switch. D. L. Miller. 2,583,273, Jan. 22.
Chain: *See*—
Antiskid chain.
Chain saw. C. J. Tweedie. 2,583,243, Jan. 22.
Chair: *See*—
Built-in deck chair.
Chemical feeder for black liquor recovery systems. F. W. Hochmuth. 2,583,145, Jan. 22.
Chemical treatment of sand for glassmaking. H. D. Segrove. 2,583,280, Jan. 22.

Chuck. F. Herrmann. 2,583,264, Jan. 22.
Cigar holder. W. E. Rybak, Sr. 2,583,235, Jan. 22.
Circuit: *See*—
Counter circuit.
Marker-controlled final selector circuit.
Circuit breaker switch. C. Rousseau. 2,583,122, Jan. 22.
Circuit for controlling the release of a relay. T. L. Dimond. 2,583,328, Jan. 22.
Circuit to produce surge discharges at a high rate, Electric. M. J. Kofoid. 2,583,380, Jan. 22.
Clamp: *See*—
Door supporting clamp. Quick action hatch clamp.
Clamp for pipe bending machines, Automatic. A. Froedge. 2,583,479, Jan. 22.
Clamp for terminal blocks, Mounting. L. Pierce and J. C. Ponstingl. 2,583,157, Jan. 22.
Classifier. J. C. Straub. 2,583,447, Jan. 22.
Cleaning composition. C. A. Campbell. 2,583,165, Jan. 22.
Clock. A. F. Alexander. 2,583,037, Jan. 22.
Closure. M. P. Laurent. 2,582,997, Jan. 22.
Closure joint. M. P. Laurent. 2,582,995, Jan. 22.
Closure member. N. Zepelovitch. 2,583,460, Jan. 22.
Clothespin. D. C. Smith. 2,583,020, Jan. 22.
Clutch operating mechanism. H. N. Stephan. 2,583,065, Jan. 22.
Coconut oil, Producing. A. L. Sodergreen. 2,583,022, Jan. 22.
Coffee maker, Percolator. A. E. Rudahl. 2,583,279, Jan. 22.
Coin meter with reset switch cam. H. Greenwald. 2,583,333, Jan. 22.
Coin selector. R. J. Donohue. 2,583,258, Jan. 22.
Collet feed mechanism for automatic cutting machines. O. Amiet. 2,583,314, Jan. 22.
Comb-cylinder clearing arrangement in combing machines. K. Strässler. 2,583,281, Jan. 22.
Combined angular velocity and pulse modulation system. G. Guanella and P. Guttinger. 2,583,484, Jan. 22.
Communication system. A. W. Borsum and W. W. Brockway. 2,582,957, Jan. 22.
Composite drain fitting. K. R. Marcussen. 2,583,300, Jan. 22.
Concrete spreader. W. H. Lewis. 2,583,108, Jan. 22.
Condensation of sublimable material. J. A. Patterson. 2,583,013, Jan. 22.
Condenser: *See*—
Glass condenser.
Conducting seal for high-pressure lamps. E. H. Nelson and E. B. Power. 2,583,388, Jan. 22.
Container for liquids. W. M. Fleming. 2,583,211, Jan. 22.
Container opener, Liquid. J. P. Gallant. 2,583,212, Jan. 22.
Continuous feeder. F. J. Breman. 2,583,506, Jan. 22.
Continuous film printer with automatic control of electromagnetically actuated shutter operating means. A. E. Reeves. 2,583,342, Jan. 22.
Control for free piston engines. W. A. Morain. 2,583,115, Jan. 22.
Control mechanism for brake holders. K. A. Harmon and G. A. Guernsey. 2,583,485, Jan. 22.
Control of catalyst concentration. A. Clark. 2,583,255, Jan. 22.
Controller for monogram signs. L. C. McCarty, Jr., and H. G. Felio. 2,583,184, Jan. 22.
Controlling heat of reaction by refluxing in the butadiene-diisobutylene copolymerization. J. D. Garber, D. W. Young, and W. J. Sparks. 2,583,420, Jan. 22.
Controlling machines driven by direct-current motors, Method and apparatus for. G. G. Mozzanini and M. Lebertre. 2,583,301, Jan. 22.
Conveyor drive. L. A. Collis. 2,583,471, Jan. 22.
Copolymer of acrylonitrile and an ethylenic dicarboxylic acid monoester of a cyanoalcohol. G. F. D'Alelio. 2,583,327, Jan. 22.
Core type winder drive. G. Cawley and H. M. Brown. 2,583,040, Jan. 22.
Corrosion prevention method. A. Wachter and W. W. Newschwander. 2,583,399, Jan. 22.
Corsage frame. M. Stegena. 2,583,237, Jan. 22.
Counterbore cutter for boltholes in concrete. C. F. Johnson. 2,583,429, Jan. 22.
Counter circuit. L. F. Mayle. 2,583,003, Jan. 22.
Counting system. W. H. T. Holden. 2,583,102, Jan. 22.
Coupling means for scaffolding bars. M. P. French. 2,583,368, Jan. 22.
Crib and play pen, Folding. St. C. Newbern. 2,583,187, Jan. 22.
Cutter: *See*—
Grass cutter.
Cutting steel having a high chromium content. C. J. Sullivan and H. R. Fisher. 2,583,068, Jan. 22.
Cutting-tool. W. J. Sloderbeck and W. H. Fritz, Sr. 2,583,309, Jan. 22.
Derrick. J. H. Wilson. 2,583,072, Jan. 22.
Detachable bit. I. J. Berscheid. 2,582,944, Jan. 22.
Detergent oil composition and its preparation. E. W. Brennan and N. D. Williams. 2,582,958, Jan. 22.
Determining a parameter of earth formations penetrated by a borehole. M. R. J. Wyllie and G. A. Hogg. 2,583,284, Jan. 22.
Determining formation factor of irregular rock samples. H. W. Patnode. 2,583,276, Jan. 22.
Determining the polarization of a light beam. H. Mueller. 2,583,186, Jan. 22.
Device for indicating the true shape of workpieces. J. W. Carder. 2,583,253, Jan. 22.
Device for mixing bulks. J. Bakker. 2,583,135, Jan. 22.
Device for repairing pinion bearings. T. C. Gerner. 2,583,261, Jan. 22.
Device for using tape. G. H. Fritzinger. 2,582,979, Jan. 22.
Dextrone, Production of. L. Wallerstein and P. P. Gray. 2,583,451, Jan. 22.
Die: *See*—
Pottery die.
Diesel fuel. P. L. Pinotti. 2,583,518, Jan. 22.
Differential pressure sampling device. E. H. Paulsen. 2,583,060, Jan. 22.
Digger, Vegetable. W. W. Tranter and H. C. Hollinger. 2,583,241, Jan. 22.
Direction and position indicating system. G. S. Burroughs. 2,582,962, Jan. 22.
Dispenser and applicator, Tape. G. H. Fritzinger. 2,582,980, Jan. 22.
Dispenser for pastelike substance having a vaned rotary extruding element. F. L. Eddy. 2,583,365, Jan. 22.
Dispensing machine, Beverage. L. Arnett. 2,583,461, Jan. 22.
Door operator for doghouses. G. Blatchford. 2,583,354, Jan. 22.
Door post and tie strap anchor. W. F. Dietrichson. 2,583,257, Jan. 22.
Door supporting clamp. J. R. Dodson. 2,583,256, Jan. 22.
Doweling jig. F. A. Volz. 2,583,283, Jan. 22.
Drawing device. E. Jahncke. 2,583,334, Jan. 22.
Drier for warp, Air. E. M. Holt. 2,583,427, Jan. 22.
Drift eliminator. N. P. Green, P. A. Barrett, and E. L. Bass. 2,583,171, Jan. 22.
Drill grinding apparatus. N. H. Swanson. 2,583,159, Jan. 22.
Drop hammer. G. Hartemann. 2,583,049, Jan. 22.
Dual electrode tuning units for electric bonding machines. R. L. Stevenson and J. A. Herr. 2,583,128, Jan. 22.
Duck and goose call. W. J. Wade. 2,583,400, Jan. 22.
Dust collector. G. A. Boesger. 2,583,039, Jan. 22.
Dust hood. G. J. Pipher. 2,583,304, Jan. 22.
Dustpan. J. Pape. 2,583,154, Jan. 22.
Dyeing only the flesh side of chrome-tanned fur skins. E. Lüscher and A. Engeloch. 2,583,269, Jan. 22.
Earth scraper, Hydraulically actuated carry-type. M. Flinn. 2,582,978, Jan. 22.
Educational device embodying a plurality of relatively movable alphabetic shapes for forming letters or word combinations. G. Rilling. 2,583,494, Jan. 22.
Effecting coupling reactions. P. Pieth. 2,583,517, Jan. 22.
Electric printing. W. J. Hooper. 2,583,375, Jan. 22.
Electric pulse secrecy communication system. E. M. Deloraine and E. Labin. 2,582,968, Jan. 22.
Electrical contacting equipment. B. W. Benbow. 2,583,318, Jan. 22.
Electrical distribution box. E. G. Johansson. 2,583,105, Jan. 22.
Electrical tester. M. M. Haslett. 2,583,424, Jan. 22.
Electrically-operated chuck or machine tool. A. H. Lloyd and C. H. Jinman. 2,583,299, Jan. 22.
Electroacoustical transducer. R. B. Baker. 2,582,942, Jan. 22.
Electrolytic cell. J. P. Oliver. 2,583,101, Jan. 1.
Electronic heating. G. B. Sayre. 2,583,393, Jan. 22.
Eliminating impurities from metals which are in a fluid state, Method and apparatus for. H. W. and C. W. Nieman. 2,583,438, Jan. 22.
Employment of radiation from radioactive material in gauging, Method and apparatus for the. F. A. Fua. 2,582,981, Jan. 22.
Emulsion polymerization with a redox catalyst comprising a diazo thioether. W. B. Reynolds. 2,583,277, Jan. 22.
Engine: *See*—
Internal-combustion engine.
Engine-driven electric generating plant. J. H. Abbink-Spaink. 2,583,131, Jan. 22.
Episcopic optical projection apparatus. H. V. Briscoe and R. C. Byng. 2,583,409, Jan. 22.
Epoxide resins. S. O. Greenlee. 2,582,985, Jan. 22.
Erasure-debris collector on typewriters and like machines. W. Ettmüller. 2,583,259, Jan. 22.
Evaporative fluid cooling apparatus. H. Malkoff. 2,583,149, Jan. 22.
Extractive distillation of alcohols with phenol solvent. C. S. Carlson and P. V. Smith, Jr. 2,583,412, Jan. 22.
Extreme pressure greases. J. E. Schott and E. L. Armstrong. 2,583,394, Jan. 22.
Fan, Exhaust. F. J. Hoffman. 2,583,374, Jan. 22.
Fastener: *See*—
Pane fastener. Sliding clasp fastener.
Separable slide fastener.
Fastener for pin-up drawings, Art-style. W. A. Worth, Jr. 2,583,129, Jan. 22.

Fat saver. P. Jepson. 2,583,335, Jan. 22.
Feeder: *See*—
Automatic poultry feeder. Continuous feeder.
Feeder and waterer, Combined poultry. M. L. Lambeth. 2,583,218, Jan. 22.
Film winding mechanism, Automatically operated. W. E. Miller. 2,583,385, Jan. 22.
Filter: *See*—
High-pressure filter.
Fishline reel. G. R. Brown. 2,583,465, Jan. 22.
Flame cutting machine. G. Maxon, Jr. 2,583,002, Jan. 22.
Flame method of cutting metal. W. E. Brill. 2,582,946, Jan. 22.
Flier. M. C. McDermott. 2,583,516, Jan. 22.
Floor waxing device. C. M. Sinnard. 2,583,446, Jan. 22.
Flow dividing apparatus. J. Hoekstra. 2,583,177, Jan. 22.
Flow regulating valve. F. T. Harrington. 2,583,296, Jan. 22.
Flow regulator. J. Mercier. 2,583,384, Jan. 22.
Fluid circulation controls for rotary pump and turbine fluid couplings. J. E. Becker. 2,582,952, Jan. 22.
Fluid control valve. S. E. Campbell. 2,583,357, Jan. 22.
Fluid damped resilient mounting. N. E. Lee. 2,582,998, Jan. 22.
Fluid-operated power system. E. M. Greer and J. Mercier. 2,583,295, Jan. 22.
Fluid pressure regulator. F. Niesemann. 2,583,006, Jan. 22.
Fluid pressure surge device. C. D. Helm. 2,583,215, Jan. 22.
Fluid purifier. C. A. Winslow and J. J. Meyer. 2,583,522, Jan. 22.
Fluid treating helically advancing threads. T. S. Mayner. 2,583,515, Jan. 22.
Flywheel magneto. A. L. Brownlee. 2,583,466, Jan. 22.
Folding table. S. Aja and E. Quijano. 2,583,247, Jan. 22.
Foot and leg rest for row seats. J. J. Mayer. 2,583,223, Jan. 22.
Forming a sprayable synthetic rubber solution. C. H. Hempel. 2,582,991, Jan. 22.
Forming foundry cores. R. S. Wolf. 2,583,036, Jan. 22.
Fountain pressure supply car washer. B. Leverock. 2,583,432, Jan. 22.
Frame: *See*—
Corsage frame.
Frame structure for mobile viners. R. and W. Ritter. 2,583,016, Jan. 22.
Freezer defroster. H. H. Mellion. 2,583,271, Jan. 22.
Frequency converting device. J. C. Ferguson. 2,582,977, Jan. 22.
Frequency modulator. J. M. Carter and J. R. Boykin. 2,583,138, Jan. 22.
Fuel control for exhaust turbine power plants having internal-combustion gas generators. R. J. Coar. 2,583,470, Jan. 22.
Full span flap and aileron control. R. T. Youngman. 2,583,405, Jan. 22.
Fungicidal composition containing chlorinated isophorone. R. S. Hawley. 2,583,425, Jan. 22.
Fuses and releasable connectors, Electric. A. G. H. and D. A. J. Oxley. 2,583,440, Jan. 22.
Game, Puzzle. J. R. O'Neil. 2,583,229, Jan. 22.
Game wicket device. J. M. Prentice and J. R. Umbach. 2,583,493, Jan. 22.
Garden hose reel assembly. R. L. Moonshower. 2,583,151, Jan. 22.
Garden tractor. H. W. Cesan. 2,583,358, Jan. 22.
Garment construction. J. Clyne. 2,583,089, Jan. 22.
Garment reinforcement. W. G. Murphy, Jr. 2,583,225, Jan. 22.
Gas piston for firearms. E. M. Harvey. 2,582,989, Jan. 22.
Gate and latch, Intermediate pivot. S. W. Webb. 2,583,070, Jan. 22.
Gate valve. M. P. Laurent. 2,583,512, Jan. 22.
Gauge: *See*—
Underwater explosion gauge.
Gear-operated crankcase drain plug wrench. W. C. Jenson. 2,583,266, Jan. 22.
Gear with multiple friction, Gradual change-speed. G. Rougelot. 2,583,496, Jan. 22.
Giving an internal gloss finish to a tube of heat plastic material, Method and apparatus for. J. S. Eckert. 2,583,329, Jan. 22.
Glass condenser. H. L. Dinsmore. 2,582,969, Jan. 22.
Glass tubing and cane, Manufacture of. A. H. Laldig and H. K. Richardson. 2,583,431, Jan. 22.
Grass cutter. A. S. Mogel. 2,583,113, Jan. 22.
Grate divider, Water-cooled shaker. R. M. Losch. 2,583,433, Jan. 22.
Grate fired fluid heating unit. R. C. Huston. 2,583,265, Jan. 22.
Grinder rotor. E. R. Brake. 2,583,319, Jan. 22.
Grip structure. B. J. Axton, Jr. 2,583,198, Jan. 22.
Ground connection clip for motor mounts. R. K. Shewmon. 2,583,189, Jan. 22.
Guard for cigarette holders. T. C. Luton. 2,583,109, Jan. 22.
Gum massager and tooth cleaner. R. A. Birch. 2,583,038, Jan. 22.
Gun sight and range finder, Combination. T. S. Dayton. 2,583,042, Jan. 22.
Hairbrush or duster, Sanitary. F. C. Hergert. 2,582,992, Jan. 22.
Handle for frozen products. V. V. Bond. 2,583,355, Jan. 22.
Harvester, Floating pickup wheel type beet. J. B. Bingham and T. H. Herberg. 2,582,945, Jan. 22.
Heater: *See*—
Ultrahigh-frequency heater.
Heating system control apparatus. V. D. Wissmiller and R. A. Beveridge. 2,583,524, Jan. 22.
Heavy-duty lubricating grease. A. J. Morway and E. W. Ball. 2,583,436, Jan. 22.
High-frequency induction-heating apparatus. A. C. Body. 2,582,955, Jan. 22.
High-pressure filter. W. W. Hallinan. 2,583,423, Jan. 22.
High-temperature grease. A. J. Morway. 2,583,435, Jan. 22.
High viscosity hyaluronic acid, Production of. Z. Hadidian and N. W. Pirie. 2,583,096, Jan. 22.
Hinged box. H. J. Witzgall. 2,583,350, Jan. 22.
Holder: *See*—
Cigar holder. Soap holder.
Sash cord holder. Suture holder.
Sheet pack holder.
Holder and locking means therefor, Key loop. M. V. Duell. 2,583,360, Jan. 22.
Holder, Paper, especially adapted for toilet papers. A. F. Carlin. 2,583,411, Jan. 22.
Hollow magnetite bead catalyst, Manufacture of. R. N. Watts and W. E. Spicer. 2,583,452, Jan. 22.
Hook: *See*—
Baling hook.
Hook. G. T. Brummel. 2,583,320, Jan. 22.
Horological balance wheel holding and rotating device. V. L. Emanuel. 2,583,418, Jan. 22.
Hydraulic automatic drive and control. M. J. Dikeman. 2,583,209, Jan. 22.
Hydraulic control system. A. P. Schneider. 2,583,307, Jan. 22.
Hydraulic piston-control rigging for refrigerator-compressors. O. Zehnder. 2,583,285, Jan. 22.
Hydrocarbon synthesis catalyst. A. Clark. 2,583,254, Jan. 22.
Hydrocarbon tin alcoholates. S. L. Burt. 2,583,084, Jan. 22.
Ice-making machine. G. F. Erickson and D. B. McShan. 2,583,294, Jan. 22.
Imbibition printing using disazo dye. J. M. Andreas. 2,583,076, Jan. 22.
Impact reducing means for mucking machines. A. R. Biedess. 2,582,954, Jan. 22.
Improvement of color and color stability of saturated fatty acids. D. E. Terry and D. T. Warner. 2,583,028, Jan. 22.
Indicator: *See*—
Radio receiver tuning indicator.
Induction heat treating. R. S. Neidigh. 2,583,227, Jan. 22.
Infrared gas analyzing apparatus. A. E. Martin. 2,583,221, Jan. 22.
Inlaying sheet material and the products thereof. P. F. Skoog. 2,583,396, Jan. 22.
Inspection apparatus. W. Altar and O. J. M. Smith. 2,583,132, Jan. 22.
Instrument, Ohm measuring. W. F. Wrolson and H. Overdick. 2,583,130, Jan. 22.
Instrument reading training device. J. C. Thompson. 2,583,398, Jan. 22.
Instruments, Dehorning. W. J. Thompson. 2,583,347, Jan. 22.
Internal-combustion engine. H. Teegen. 2,583,499, Jan. 22.
Interzone interference device for guns. E. E. Libman. 2,583,058, Jan. 22.
Irreversible driving device. R. B. Houplain. 2,583,428, Jan. 22.
Isoolefindiolefin copolymers of uniform average composition, Preparing. D. W. Young, W. J. Sparks, and J. D. Garber. 2,583,504, Jan. 22.
Jack and carrier, Differential. B. D. Monteith. 2,583,114, Jan. 22.
Joint: *See*—
Closure joint. Pipe joint.
Journal for spinning and twisting spindles. K. Beerli. 2,583,080, Jan. 22.
Keying system. M. I. Jacob. 2,583,146, Jan. 22.
Kiln, High-pressure steam. C. E. Ahlborn. 2,583,073, Jan. 22.
Knife attachment, Paring. C. H. Harvey. 2,582,988, Jan. 22.
Knitting machine attachment. F. G. Welsbecker. 2,583,453, Jan. 22.
Laminated assembly. F. Gray. 2,582,984, Jan. 22.
Lamp and television antenna, Combination. T. A. Stiffel. 2,583,066, Jan. 22.
Landing retarder for model planes. J. K. Shannon. 2,583,125, Jan. 22.
Laundry listing machine. W. J. Keuper. 2,583,486, Jan. 22.
Lens cover and lens brush, Combined. W. Numbers. 2,583,228, Jan. 22.

Leveling and drying coatings with steam. F. W. Lanigan. 2,583,220, Jan. 22.
Leveling device. M. V. Ball. 2,583,250, Jan. 22.
Lid lifter and retainer, Pry type. W. S. Burnard. 2,582,947, Jan. 22.
Light unit, Fare box. A. A. Lyman. 2,583,182, Jan. 22.
Lingerie, Woman's. L. B. Cooley. 2,583,472, Jan. 22.
Liquid fuel vaporizer. J. S. Clarke, W. E. Gregory and A. J. Gerrard. 2,583,416, Jan. 22.
Liquid hydrocarbons, oxygenated hydrocarbons and the like, Production of. C. W. Watson. 2,583,164, Jan. 22.
Liquid packaging machine. E. Kayat. 2,583,106, Jan. 22.
Lithium 3-thia-7,7,dimethyl-7-trimethyl-siloxy-7-silaheptanoate. C. A. Burkhard. 2,583,322, Jan. 22.
Loading machine. G. T. Baker. 2,583,079, Jan. 22.
Lock for extension tables. P. M. Virtue. 2,583,282, Jan. 22.
Log carrier. T. L. Anderson and T. H. Esbenshade. 2,583,075, Jan. 22.
Loom picking motion. A. Müller. 2,583,005, Jan. 22.
Loose-leaf binder. J. M. Bender. 2,582,953, Jan. 22.
Lower alkyl esters of fluorinated propionic acid and making the esters. D. W. Chaney. 2,583,415, Jan. 22.
Lubricating device. D. E. Belich. 2,583,317, Jan. 22.
Lubricator. R. H. Woodall. 2,583,457, Jan. 22.
Machine for mining and loading coal. L. L. Wylam. 2,583,458, Jan. 22.
Machine for producing pile fabrics. R. Laing. 2,583,337, Jan. 22.
Magnesium carbonate, Manufacture of. G. H. Gloss. 2,583,331, Jan. 22.
Magnesium, Manufacture of. G. Bassereau. 2,583,351, Jan. 22.
Magnetic torque apparatus. A. Winther. 2,583,523, Jan. 22.
Making a physiologically-active vitamin preparation. J. Brabaek. 2,583,464, Jan. 22.
Mandrel. R. P. Piperoux and J. N. Birmingham. 2,583,117, Jan. 22.
Marker-controlled final selector circuit. E. J. H. De Raedt. 2,582,967, Jan. 22.
Mass spectrometer ion source. F. L. Reynolds. 2,583,121, Jan. 22.
Material elevator assembly with dust-tight swingable chute. F. J. Le Roy. 2,583,488, Jan. 22.
Material handling apparatus with drag saw. E. E. Hansen. 2,583,047, Jan. 22.
Measuring device. E. S. Guttmann. 2,583,371, Jan. 22.
Meat tenderizing device. S. Bakewell. 2,583,199, Jan. 22.
Mechanical apparatus. H. D. Else. 2,583,140, Jan. 22.
Mechanical current converter for circuit interruption. A. Goldstein. 2,583,263, Jan. 22.
Meter with set cycle, Coin. H. Greenwald. 2,583,332, Jan. 22.
Microphone, Underwater. J. M. Kendall. 2,582,994, Jan. 22.
Modifying wheat gluten. J. R. Coffman. 2,582,965, Jan. 22.
Molding machine, Block. F. P. Jentsch. 2,583,104, Jan. 22.
Motor: *See*—
Automatically atmospheric controlled motor. Outboard motor. Synchronous motor.
Motor control system. E. F. Albert and B. J. Auburn. 2,583,074, Jan. 22.
Motor mount assembly for grain conveyers and the like, Self-levelling. H. Robrowski. 2,583,082, Jan. 22.
Motor with means for controlling the heat supply therefor, Hot-gas. W. J. van Heeckeren. 2,583,311, Jan. 22.
Mounting: *See*—
Fluid damped resilient mounting.
Mud separator for steam generating units. W. Casey. 2,583,166, Jan. 22.
Muffler with perforated cylinder containing inwardly and rearwardly inclined holes. W. H. Engels. 2,583,366, Jan. 22.
Multiple glass sheet glazing construction. F. A. Rodman. 2,583,343, Jan. 22.
Nipple, Nursing bottle. B. Alstadt and H. Sappey. 2,582,950, Jan. 22.
Nonsagging, oppositely-swinging hinge structure. J. H. Reichart. 2,583,305, Jan. 22.
Nonspreading lubricant. G. E. Barker. 2,583,200, Jan. 22.
Nonsymmetrical multipolar electric energy distribution system. U. Corbino. 2,583,167, Jan. 22.
Nozzle adjusting device for vacuum cleaners, Automatic. J. B. Kirby. 2,583,054, Jan. 22.
Olefin hydration. R. F. Deering. 2,583,359, Jan. 22.
Opener, Can. S. E. Wibling. 2,583,034, Jan. 22.
Organic tin compounds, Production of. D. Faulkner and J. N. Milne. 2,583,419, Jan. 22.
Oscillator. E. J. H. Bussard. 2,583,137, Jan. 22.
Outboard motor. W. H. Neville. 2,583,059, Jan. 22.
Oxidation of acetals to acids. C. H. McKeever. 2,583,112, Jan. 22.
Oxidation of acidic sulfur compounds. D. C. Bond and N. B. Russell. 2,583,083, Jan. 22.

Package display rack. A. Dreyfus, Jr. 2,583,092, Jan. 22.
Pad of continuous stationery. F. G. Sexton. 2,583,064, Jan. 22.
Pallet for handling materials. W. M. and F. S. Perry. 2,583,443, Jan. 22.
Pane fastener. H. R. Oltz. 2,583,303, Jan. 22.
Panel closure. J. H. and F. G. Oswald. 2,583,439, Jan. 22.
Paper binder. R. V. McDonald. 2,583,224, Jan. 22.
Parachute ground release, Automatic. M. Hattan. 2,582,990, Jan. 22.
Parallax correction for multilens cameras. F. Waller and R. C. Babish. 2,583,030, Jan. 22.
Pen, Ball point fountain. H. C. Frentzel. 2,583,142, Jan. 22.
Pencil with finger operable lead projecting and retracting means, Mechanical lead. V. Votruba. 2,583,069, Jan. 22.
Permanent core. A. Bajrovic. 2,583,248, Jan. 22.
Phonograph pickup unit. W. E. Cairnes. 2,582,948, Jan. 22.
Phonograph stylus. B. B. Bauer. 2,583,289, Jan. 22.
Phosphoryl compounds of ester substituted alcohols. W. F. Brucksch, Jr. and L. H. Howland. 2,583,356, Jan. 22.
Photoelectric sound reproduction. L. E. Clark. 2,582,964, Jan. 22.
Picture viewer mechanism. A. C. Parlini, E. Hascher, and H. Reeker. 2,583,442, Jan. 22.
Picture viewing device. F. B. Ingram. 2,583,510, Jan. 22.
Pipe joint. J. M. Coyner. 2,583,041, Jan. 22.
Pipe joint. W. W. Weltmer. 2,583,401, Jan. 22.
Pliers. J. J. Sprunger. 2,583,346, Jan. 22.
Plug-in electrical device. C. J. Bishofberger. 2,583,353, Jan. 22.
Plumb bob device. J. F. Orlando. 2,583,491, Jan. 22.
Polymeric compositions from acrylonitrile, itaconic monoesters, and conjugated dienes. G. F. D'Alelio. 2,583,326, Jan. 22.
Polyphase alternating current fusion welding with control of interphase voltage, and with combined alternating current and direct current welding potentials. O. R. Carpenter, F. W. Armstrong, Jr., and R. P. C. Rasmusen. 2,583,507, Jan. 22.
Porous zircon refractory and making. E. A. Thomas. 2,583,160, Jan. 22.
Portable hot food cabinet. F. E. Porambo. 2,583,118, Jan. 22.
Position determining system. I. Wolff. 2,583,503, Jan. 22.
Pottery die. W. M. Glaab. 2,583,262, Jan. 22.
Power plant, including a combustion chamber and an impulse turbine driven by exhaust gases from the chamber. M. Kadenacy and N. K. Guercken. 2,583,430, Jan. 22.
Power steering mechanism. C. F. Binder. 2,583,407, Jan. 22.
Power system. S. Wayto. 2,583,312, Jan. 22.
Power winch or hoist. L. D. Ingenbook. 2,582,987, Jan. 22.
Precision means for positioning and indicating the position of a movable member. W. C. Huebner. 2,583,376, Jan. 22.
Prcelectrolysis treatment of pickle liquor. J. P. Oliver. 2,583,099, Jan. 22.
Preparing cold-swelling starch products. J. Lolkema and W. A. van der Meer. 2,583,268, Jan. 22.
Preparing glow discharge devices. M. A. Townsend. 2,583,029, Jan. 22.
Pressure seated reversing valve. S. C. Turkenkoph and T. Evans. 2,583,242, Jan. 22.
Pressure titration. H. K. Wiese. 2,583,454, Jan. 22.
Printer's chase. F. C. Roueche. 2,583,495, Jan. 22.
Printing plate fastening. J. Burgess. 2,582,960, Jan. 22.
Printing stamp for maps, Azimuth ring. R. C. Barker. 2,582,943, Jan. 22.
Printing textile fabrics. C. Albini-Colombo. 2,583,286, Jan. 22
Producing high dielectric high insulation ceramic plates. G. N. Howatt. 2,582,993, Jan. 22.
Producing mineral-coated paper. G. E. Niles. 2,583,274, Jan. 22.
Propeller pitch control. J. F. Haines. 2,583,172, Jan. 22.
Protective covering for oil tanks. G. C. Bull. 2,583,321, Jan. 22.
Protector mechanism for double shuttle looms. E. L. Roullard. 2,583,344, Jan. 22.
Pulsation dampener. D. Ragland. 2,583,231, Jan. 22.
Pulse echo distance and direction finding. F. W. Dunmore. 2,582,971, Jan. 22.
Pump. J. A. Glover and M. F. L. Johnson. 2,583,421, Jan. 22.
Pump control mechanism for liquid dispensing apparatus of the predeterminer type. A. L. Grisé. 2,583,483, Jan. 22.
Quick action hatch clamp. M. W. and H. M. Kestner. 2,583,053, Jan. 22.
Quinazoline derivative vat dyestuffs. P. Sutter and W. Kern. 2,583,520, Jan. 22.

Rack: *See*—
Package display rack.
Radar receiver. C. W. Hargens. 2,583,173, Jan. 22.
Radio receiver tuning indicator. G. J. Barry. 2,582,951, Jan. 22
Radio shielded ignition lead terminal with pressure barrier. K. G. Strunk. 2,583,067, Jan. 22.
Radius and angle dresser. A. T. Giglia. 2,583,480, Jan. 22.
Railway crossing, Adjustable. L. Rosenblatt and W. A. Moore. 2,583,278, Jan. 22.
Rapid operating poppet air valve. R. D. McLeod. 2,583,185, Jan. 22.
Razor, Safety. J. G. Leatherman. 2,583,057, Jan. 22.
Reaction apparatus. A. F. MacLean. 2,583,110, Jan. 22.
Reamer for the rough ends of tubular members. W. H. Williams. 2,583,246, Jan. 22.
Receptacle: *See*—
Ash receptacle.
Record sensing means. K. Koon. 2,583,179, Jan. 22.
Rectal irrigator. M. H. Kowan. 2,583,298, Jan. 22.
Reel: *See*—
Fishline reel.
Reel motor control system. A. W. Kimball and E. F. Allbert. 2,583,148, Jan. 22.
Refining organic acid esters containing free acids. L. L. Weil and P. Tusa. 2,583,193, Jan. 22.
Refrigeration control apparatus. W. L. Huntington. 2,583,178, Jan. 22.
Regenerating an aqueous alkali metal hydroxide solution. D. C. Bond. 2,583,136, Jan. 22.
Regulating apparatus. W. O. Osbon. 2,583,153, Jan. 22.
Regulator: *See*—
Bail out demand regulator.
Fluid pressure regulator.
Flow regulator.
Regulator for photomultiplier tubes, Sensitivity. H. L. Glick. 2,583,143, Jan. 22.
Remote control parking windshield wiper motor. R. E. Utter. 2,583,348, Jan. 22.
Resilient strike plate. B. A. Quinn. 2,583,391, Jan. 22.
Resinous reaction products of cyclohexanones and unsaturated dicarboxylic acids. E. A. Bevan and R. S. Robinson. 2,583,204, Jan. 22.
Retrieving tool. R. E. Davidson. 2,583,476, Jan. 22.
Reversing attachment for garden tractors. W. H. Metzler. 2,583,272, Jan. 22.
Ribbed-stripper packer unit. F. J. Schweitzer. 2,583,497, Jan. 22.
Road barricade, Illuminated. W. H. Underwood. 2,583,244, Jan. 22.
Rod: *See*—
Toy construction rod.
Rotary annular electromagnet. A. C. Sampietro. 2,583,124, Jan. 22.
Rotary impact tool. R. A. Kaplan. 2,583,147, Jan. 22.
Rubbery adhesive composition and making and using the same. R. T. Morrissey and R. A. Crawford. 2,583,387, Jan. 22.
Rug. P. C. Walte. 2,583,192, Jan. 22.
Rule, Telescoping measuring. J. J. Boisen. 2,583,205, Jan. 22.
Sash construction. W. M. Krantz. 2,583,107, Jan. 22.
Sash cord holder. J. B. Skelly. 2,583,395, Jan. 22.
Scaffold, Adjustable. G. R. Newlon, Jr. 2,583,437, Jan. 22.
Scotch block. J. C. and N. W. Dockery. 2,582,970, Jan. 22.
Scraper for removing paraffin from oil well pipes. C. W. Earl. 2,583,044, Jan. 22.
Screen and cabinet for picture projection apparatus, Combined. J. Burleigh and J. Cashman. 2,583,467, Jan. 22.
Seal for gate valve bonnets. M. P. Laurent. 2,582,996, Jan. 22.
Sealing and terminating tubular devices. J. Yoder. 2,583,525, Jan. 22.
Sealing assembly. L. G. Saywell. 2,583,019, Jan. 22.
Sealing means for primary alkaline dry cells. G. B. Ellis. 2,582,973, Jan. 22.
Seam-welding apparatus. J. F. Cachat. 2,582,963, Jan. 22.
Seat: *See*—
Adjustable vehicle seat.
Seat structure. W. E. Burnett. 2,583,410, Jan. 22.
Selection mechanism. G. K. Hurni. 2,583,377, Jan. 22.
Selection of predetermined interruption pulse for frame synchronization. C. N. Smyth. 2,583,021, Jan. 22.
Selective calling system. H. C. Waterman and M. R. Winkler. 2,583,032, Jan. 22.
Selective remote-control system. J. H. Hammond, Jr. 2,583,373, Jan. 22.
Separable slide fastener. O. J. Moehler. 2,583,386, Jan. 22.
Separation of carbon monoxide from gaseous mixtures. J. W. Teter. 2,583,239, Jan. 22.
Separation of natural gas mixtures. J. L. Cost. 2,583,090, Jan. 22.
Servomotor damping system. J. C. Mouzon. 2,583,339, Jan. 22.
Setting a casing structure in a well hole or the like, Method and apparatus for. C. E. Bannister. 2,583,316, Jan. 22.
Sheet pack holder. E. C. H. Wyles. 2,583,459, Jan. 22.
Shoe construction. G. E. Musebeck and J. C. Boehm. 2,583,302, Jan. 22.
Shoe toe lining trimming machine. J. M. Ewart and L. S. Macdonald. 2,582,975, Jan. 22.
Shower head. I. H. Russell. 2,583,232–3, Jan. 22.
Shower head. I. H. Russell and W. E. Sloan. 2,583,234, Jan. 22.
Side delivery rake and frame therefor. M. E. McClellan. 2,583,383, Jan. 22.
Sign. P. Kress and A. Jankel. 2,583,055, Jan. 22.
Sine-bar grinding wheel truing device. L. P. Black. 2,583,408, Jan. 22.
Skin graft receiving member. J. D. Reese. 2,583,341, Jan. 22.
Sliding clamp fastener. M. Winterhalter. 2,583,035, Jan. 22.
Soap holder. H. H. Buck. 2,583,207, Jan. 22.
Socket for electron tubes, Air-cooled. W. W. Eitel and J. A. McCullough. 2,583,417, Jan. 22.
Solvents containing nitriles. H. D. Hartough and H. W. Sheldon. 2,583,509, Jan. 22.
Sound producing device, especially for dolls. J. H. Wilhelm. 2,583,402, Jan. 22.
Sound recording and reproducing apparatus. B. C. Booth. 2,583,462, Jan. 22.
Sound silencing means for circular saws. D. E. Sutton. 2,583,238, Jan. 22.
Spaceband tool. G. L. Curle. 2,583,324, Jan. 22.
Spout, Pouring. O. G. Nilson. 2,583,007, Jan. 22.
Spray booth. A. H. Meyer. 2,583,489, Jan. 22.
Spring. E. A. Larsson. 2,583,487, Jan. 22.
Spring band construction. A. W. Martin. 2,583,222, Jan. 22.
Sprinkler. C. F. Hautau. 2,583,175–6, Jan. 22.
Stabilized dehydrated montmorillonite catalyst, Preparation of a. E. W. M. Fawcett and J. N. Haresnape. 2,582,976, Jan. 22.
Stabilizing diolefine polymer-sulfur dioxide reaction products. J. M. Goppel and G. E. Rumscheidt. 2,583,370, Jan. 22.
Stitch regulator of sewing machines. H. Pudelko. 2,583,444, Jan. 22.
Stool base, Adjustable. C. W. Chain. 2,583,414, Jan. 22.
Stopper for containers. E. I. Vérel. 2,583,162, Jan. 22.
Storage vault conditioning unit. W. G. Haertel, D. H. Oliver, and V. H. Smallbeck. 2,582,986, Jan. 22.
String holding key for musical instruments. G. A. Finder. 2,583,478, Jan. 22.
Styrene-polyester copolymer for photo-elastic studies. H. F. Minter, N. C. Foster, and M. M. Leven. 2,583,150, Jan. 22.
Subsynchronous intermittent-voltage apparatus. D. J. Reynolds. 2,583,158, Jan. 22.
Support for artificial teeth. L. Pentel. 2,583,156, Jan. 22.
Support for drying kitchen bowl covers. G. W. Crandall. 2,583,475, Jan. 22.
Surface treatment of molded material. J. J. Strobel. 2,583,024, Jan. 22.
Suture holder. G. O. Dean. 2,583,043, Jan. 22.
Switch: *See*—
Centrifugal switch.
Circuit breaker switch.
Switch for use with continuous web, Electric. J. Dungler. 2,582,972, Jan. 22.
Switch or circuit breaker, Electric. L. C. Hart. 2,583,174, Jan. 22.
Switch with alignment responsive means, Mercury. P. L. Betz. 2,583,505, Jan. 22.
Switching system, Electron-tube controlled. E. Bruce and N. I. Hall. 2,582,959, Jan. 22.
Swivel pin mounting for planer aprons. J. M. Walter. 2,583,501, Jan. 22.
Synchronous motor. C. G. Kronmiller and W. H. Gille. 2,583,180, Jan. 22.
Synthesis of tryptophane. J. W. Opie, D. T. Warner, and O. A. Moe. 2,583,010, Jan. 22.
Syringe bag. C. W. Legullion. 2,583,381, Jan. 22.
Table: *See*—
Folding table.
Tape perforating machine. W. W. Carpenter. 2,583,086, Jan. 22.
Taper threading machine. A. Girz. 2,583,094, Jan. 22.
Telescope sight mount for firearms. T. R. Fellx. 2,583,260, Jan. 22.
Temperature control device. P. Spence. 2,583,236, Jan. 22.
Temperature pickup element. J. D. Donna. 2,583,293, Jan. 22.
Templet for centering loose objects. G. Starre. 2,583,310, Jan. 22.
Tennis ball, Pressure packaged. J. R. Gammeter. 2,582,982, Jan. 22.
Tension responsive control system. B. J. Auburn and G. P. Lassmann. 2,583,078, Jan. 22.
Tetranitropropane. J. A. Hannum and M. Frumin. 2,583,048, Jan. 22.
Thermochemically cutting ferrous metal. H. R. Fisher. 2,583,045, Jan. 22.
Tile setter for bored wells. A. C. Sorbel. 2,583,498, Jan. 22.
Timing device. S. F. E. Meyer. 2,583,434, Jan. 22.
Timing device. M. Van Valkenburgh and L. J. Laviana. 2,583,245, Jan. 22.

Tool: *See*—
Cutting tool.
Electrically operated chuck or machine tool.
Retrieving tool.
Rotary impact tool.
Spaceband tool.
Weeding tool.
Tool carrier for cutting tools, Rotary. J. Dürler. 2,583,477, Jan. 22.
Tool for spreading split ends of connecting rods. J. A. Riordan. 2,583,392, Jan. 22.
Toolholder, Precision. J. F. Golden. 2,582,983, Jan. 22.
Top, Spinning. R. D. Olson. 2,583,275, Jan. 22.
Toy compressed-air pistol. R. Boulet. 2,583,463, Jan. 22.
Toy construction rod. J. A. Cozzone. 2,583,474, Jan. 22.
Toy motive device, Fluid actuated. A. Rowley and B. E. Jones. 2,583,123, Jan. 22.
Toy, Rocking figure. B. C. Reed. 2,583,061, Jan. 22.
Tractor having V-belt pulley control. G. W. Curtis. 2,582,966, Jan. 22.
Trailer coupler. M. S. Voorhees. 2,583,191, Jan. 22.
Transparent conducting films. W. O. Lytle. 2,583,000, Jan. 22.
Trap: *See*—
Animal trap.
Tray, Dental. E. H. Getz. 2,583,170, Jan. 22.
Treatment of a metallic cathode to receive electrodeposited metal. H. R. Wilson. 2,583,100, Jan. 22.
Treatment of flammable materials to impart flame resistance thereto, compositions therefor, and products thereof. M. R. Burnell and J. E. Lynn. 2,582,961, Jan. 22.
Treatment of waste pickle liquor. G. W. Heise, E. A. Schumacher, and H. R. Wilson. 2,583,098, Jan. 22.
Truck for transporting upright cylinders. H. O. Zander and P. B. Kuehl. 2,583,196, Jan. 22.
Truck, Industrial. M. Lehmann. 2,582,999, Jan. 22.
Truck, Portable marketing. L. Maslow. 2,583,513, Jan. 22.
Truck, Railroad car. K. M. Hamilton. 2,583,144, Jan. 22.
Truck, Vehicle wheel. W. G. Hoffman. 2,583,216, Jan. 22.
Tube: *See*—
Cathode-ray tube.
Tube bending apparatus. S. P. Wyrfel. 2,583,404, Jan. 22.
Tube roller, Collapsible. A. H. Jung. 2,583,511, Jan. 22.
Tube trimming and piercing machine. H. F. Temple. 2,583,521, Jan. 22.
Tubular rivets and similar articles, Production of. E. H. Lynall. 2,583,270, Jan. 22.
Tuning system for coaxial cavity resonators. F. H. Taylor. 2,583,027, Jan. 22.
Two-speed power steering. G. E. Armington. 2,583,197, Jan. 22.
Two-way valve. M. Funkhouser. 2,583,169, Jan. 22.
Typewheel arresting mechanism for printing telegraph apparatus. R. D. Salmon. 2,583,017, Jan. 22.
Ultrahigh-frequency heater. P. W. Morse and M. F. Davis. 2,583,338, Jan. 22.
Undergarment. W. G. Murphy, Jr. 2,583,226, Jan. 22.
Underwater explosion gauge. J. S. McCorkle. 2,583,004, Jan. 22.
Valve: *See*—
Flow regulating valve.
Fluid control valve.
Gate valve.
Pressure seated reversing valve.
Rapid operating poppet air valve.
Two-way valve.
Valve control means for flush tanks for toilets. J. Castellano. 2,583,468, Jan. 22.
Valve for dispensers operated by pressure of the contents, Resilient discharge. E. F. Olsen. 2,583,340, Jan. 22.
Valve for fluid pressure regulators. V. Ey. 2,582,974, Jan. 22.
Valve operating mechanism. W. Harrower. 2,583,050, Jan. 22.
Valve structure. J. A. Beem. 2,583,291, Jan. 22.
Valve structure, Vent. A. C. Goodrich. 2,583,481, Jan. 22.
Valved piston for deep-well lift pumps. L. C. Mardis. 2,583,111, Jan. 22.
Vapor selective breather. J. M. Riboud. 2,583,062, Jan. 22.
Variable inductance. W. H. Anderson and A. C. Frey. 2,583,133, Jan. 22.
Vase, Ground inserted cemetery. L. E. Magers. 2,583,001, Jan. 22.
Velocity indicator for moving vehicles. J. G. Benson. 2,583,202, Jan. 22.
Veneer clipper. G. Haumann. 2,583,051, Jan. 22.
Venetian blind. M. S. Tarnoff. 2,583,449, Jan. 22.
Venetian blind. B. Walker. 2,583,031, Jan. 22.
Vertical linearity in television receivers. E. L. Clark. 2,583,323, Jan. 22.
Visor, Windshield. C. A. Royer. 2,583,306, Jan. 22.
Vitamin A derivatives and preparing the same. L. Weisler. 2,583,194, Jan. 22.
Voltage transformer, Adjustable. C. E. Nobles and R. Lee. 2,583,152, Jan. 22.
Vulcanizing apparatus for V belts and the like, Flexible sleeve type. J. F. Campbell. 2,583,085, Jan. 22.
Washer: *See*—
Fountain pressure supply car washer.
Washing machine and transmission therefor. G. Fields. 2,583,168, Jan. 22.
Washing spongy material. J. T. Marvin and G. H. McFadden. 2,583,183, Jan. 22.
Water level responsive control switch assembly. C. E. Arney. 2,583,077, Jan. 22.
Water-soluble combination products of gossypol and amino acids. A. M. Altschul and L. E. Castillon. 2,582,949, Jan. 22.
Water wash booth. J. A. Paasche. 2,583,390, Jan. 22.
Weeding tool. J. Hanzlik. 2,583,214, Jan. 22.
Welding aluminum and its alloys, Method and apparatus for. L. B. Wilson. 2,583,455, Jan. 22.
Welding shaft and the like. W. C. Dunn. 2,583,362, Jan. 22.
Well or borehole logging. J. J. Arps. 2,583,288, Jan. 22.
Wheel lift for vehicle testing machines. H. L. Bennett. 2,583,201, Jan. 22.
Wind-driven turbine or propeller with electric generator and control devices. C. Fumagalli. 2,583,369, Jan. 22.
Winder for yarn and the like. K. Cloud and R. J. Nadherny. 2,583,087, Jan. 22.
Window awning, Adjustable. H. R. Peters. 2,583,230, Jan. 22.
Window frame and sash unit. R. E. Bowers. 2,583,251, Jan. 22.
Windshield wiper. T. J. Smulski. 2,583,127, Jan. 22.
Windshield wiper apparatus. T. J. Smulski. 2,583,126, Jan. 22.
Wooden patch making machine. W. A. Forsyth and W. A. Davis. 2,583,367, Jan. 22.
Wrench: *See*—
Gear-operated crankcase drain plug wrench.
X-ray tube control. E. B. Graves. 2,583,213, Jan. 22.
X-ray tube safety device. E. R. Goldfield and J. Ball. 2,583,095, Jan. 22.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 22, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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73: 2,583,429
257— 28: 2,582,969
259— 4: 2,583,206
180: 2,583,135
260— 3: 2,583,370
17.2: 2,583,268
32.6: 2,583,325
2,583,327
33.6: 2,582,991
41.5: 2,583,326
45.4: 2,583,150
47: 2,582,985
63: 2,583,204
84.1: 2,583,277
85.3: 2,583,420
2,583,504
112: 2,582,965
166: 2,583,519
197: 2,583,517
261: 2,583,520
319: 2,583,010
327: 2,583,448
332.3: 2,583,508
398.5: 2,583,028
399: 2,582,958
412.2: 2,583,022
413: 2,583,112
429: 2,583,084
2,583,419
448.2: 2,583,322
449.6: 2,583,134
2,583,164
2,583,254
2,583,255
461: 2,583,356
468: 2,583,450
487: 2,583,415
534: 2,582,949
563: 2,583,194
632: 2,583,426
641: 2,583,359
2,583,413
644: 2,583,048
261— 26: 2,583,252
39: 2,583,406
92: 2,583,195
262— 19: 2,583,458
264— 1: 2,583,202
266— 3: 2,583,046
19: 2,583,351
23: 2,583,002
267— 63: 2,583,487
268— 36: 2,583,354
271— 37: 2,583,506
273— 42: 2,583,052
43: 2,583,208
54: 2,583,103
56: 2,583,493

273—	75:	2,583,198	280—	50:	2,583,513	292—256.5:		2,583,053	299—	59:	2,583,234
	153:	2,583,229		59:	2,583,196	341.15:		2,583,391		66:	2,583,175
274—	1:	2,582,948	281—	27:	2,583,403	294—	26:	2,583,091		73:	2,583,176
	38:	2,583,289	282—	11.5:	2,583,064		50.7:	2,583,214		78:	2,583,151
277—	45:	2,583,169	285—	37:	2,583,300		83:	2,582,990	304—	2:	2,583,437
	50:	2,583,357		211:	2,583,401		97:	2,583,498		40:	2,583,368
279—	43:	2,583,314	286—	7:	2,583,019		103:	2,583,324	308—	72:	2,583,382
280—	6:	2,583,016		16:	2,583,497			2,583,476		132:	2,583,141
		2,583,250	287—	119:	2,583,440	296—	97:	2,583,306		152:	2,583,080
	33.15:	2,583,191	290—	17:	2,583,131	299—	59:	2,583,232		207:	2,583,261
	36:	2,583,514		44:	2,583,369			2,583,233	311—	49:	2,583,282

312—	94:	2,583,217	318—	307:	2,583,153						
313—	76:	2,583,500	320—	1:	2,583,323						
	92:	2,583,000	321—	48:	2,583,263						
	100:	2,582,964		66:	2,583,158						
315—	24:	2,583,469	332—	29:	2,583,138						
	215:	2,583,380	343—	6:	2,582,962						
316—	1:	2,583,029		11:	2,582,971						
318—	6:	2,583,078		13:	2,583,173						
	28:	2,583,339		203:	2,582,968						
	230:	2,583,299									
	274:	2,583,301									

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,582,954:	214—131	2,583,041:	119—71	2,583,110:	23—288	2,583,201:	73—117	2,583,326:	260—41.5	2,583,460:	215—82
2,582,964:	313—100	2,583,047:	143—63	2,583,128:	178—44	2,583,203:	119—52	2,583,327:	260—32.6	2,583,469:	315—24
2,582,968:	343—203	2,583,050:	137—161	2,583,132:	250—71	2,583,221:	250—43	2,583,346:	30—193	2,583,475:	211—13
2,582,976:	252—439	2,583,059:	114—144	2,583,153:	318—307	2,583,230:	189—62	2,583,355:	99—137	2,583,500:	313—76
2,582,981:	250—71	2,583,078:	318—6	2,583,158:	321—66	2,583,251:	20—52.2	2,583,370:	260—3	2,583,514:	280—36
2,582,984:	175—300	2,583,086:	164—89	2,583,175:	299—66	2,583,267:	118—429	2,583,379:	118—416		
2,582,989:	89—193	2,583,094:	10—96	2,583,176:	299—73	2,583,298:	260—17.2	2,583,380:	315—215		
2,583,005:	139—146	2,583,101:	204—231	2,583,181:	20—8	2,583,301:	318—274	2,583,429:	255—73		
2,583,016:	280—6	2,583,106:	53—136	2,583,192:	28—80	2,583,313:	214—16	2,583,446:	15—131		
2,583,036:	22—194	2,583,109:	131—175	2,583,200:	252—48.6	2,583,325:	260—32.6	2,583,459:	211—13		

CLASSIFICATION OF DESIGNS

D 3—	4:	Des. 165,713	D33—	14:	Des. 165,710	D36—	2:	Des. 165,723	D45—	4:	Des. 165,719
	13:	Des. 165,715	D34—	4:	Des. 165,725	D37—	1:	Des. 165,714	D57—	1:	Des. 165,706
D 7—	7:	Des. 165,716		11:	Des. 165,712	D44—	9:	Des. 165,711			Des. 165,708
D15—	11:	Des. 165,717	D35—	3:	Des. 165,709	D45—	4:	Des. 165,718			Des. 165,721
D33—	14:	Des. 165,707									

D58—12.6:		Des. 165,726	D72—	1:	Des. 165,720						
D65—	1:	Des. 165,727	D74—	1:	Des. 165,724						
		Des. 165,728	D85—	2:	Des. 165,705						
		Des. 165,729	D92—26:		Des. 165,722						

U. S. GOVERNMENT PRINTING OFFICE: 0—1952

Condition of Applications Under Examination at Close of Business January 5, 1952

Total number of patent applications awaiting action, 105,788. Date of oldest new application, March 6, 1951; date of oldest amended application, March 3, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application awaiting Office action	Oldest amended application awaiting Office action	Applications awaiting action
*C. E. D. HERTZ, M.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	3-8-51	3-6-51	2206
2. HERRMAN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	6-9-51	6-7-51	1159
3. MARMELSTEIN, N. Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	5-17-51	5-17-51	1594
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	3-14-51	3-13-51	1974
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	5-21-51	5-19-51	1250
6. SURLE, H., Carbon Chemistry (part)	4-5-51	4-9-51	1983
7. GONSALVES, J. E., Optics; Photography (part)	5-2-51	5-1-51	1279
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	3-23-51	3-22-51	1835
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	3-12-51	3-13-51	1573
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	3-10-51	3-9-51	1159
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	4-4-51	4-9-51	1077
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	5-2-51	4-5-51	1047
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	3-13-51	3-7-51	1266
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	3-23-51	3-20-51	1650
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	5-10-51	5-16-51	1250
16. LOVEWELL, N. N., Television, Telephony	3-9-51	3-8-51	1304
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	3-14-51	3-16-51	1881
18. KURZ, J. A., Power Plants; Speed Responsive Devices	3-8-51	3-7-51	1524
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	3-13-51	3-10-51	1157
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	4-6-51	4-7-51	1446
21. MADER, R. C., Textiles	3-12-51	3-14-51	1463
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	3-13-51	3-14-51	1271
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	3-7-51	3-12-51	869
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	5-7-51	5-7-51	1623
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	5-3-51	5-2-51	1304
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	3-13-51	3-6-51	1222
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	3-14-51	3-14-51	1842
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	3-14-51	3-9-51	1506
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	3-28-51	4-2-51	1462
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	5-8-51	5-7-51	1566
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-26-51	4-19-51	2015
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	4-9-51	4-6-51	1314
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-2-51	3-30-51	2128
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	4-13-51	4-13-51	1329
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	3-13-51	3-14-51	1583
36. McFADYEN, A. D., Measuring and Testing	3-8-51	3-7-51	1409
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	4-24-51	5-1-51	1220
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	3-31-51	3-3-51	1496
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	4-24-51	4-24-51	2194
40. DRUMMOND, E. J., Receptacles (part); Packages	4-3-51	4-2-51	2563
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	3-17-51	3-16-51	1229

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 105,788. Date of oldest new application, March 6, 1951; date of oldest amended application, March 3, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	4-6-51	4-5-51	1335
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	5-4-51	5-5-51	1215
44. HARVEY, L. P., Beds; Chairs; Seats	4-7-51	4-2-51	1460
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	3-15-51	3-16-51	1490
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	4-6-51	4-6-51	933
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	4-2-51	4-3-51	1455
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	4-4-51	3-17-51	1524
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	3-15-51	3-12-51	1668
50. LEVIN, S., Synthetic Resins	6-16-51	6-14-51	1630
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	3-17-51	3-7-51	1096
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	3-14-51	3-14-51	2184
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	4-26-51	4-5-51	1124
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-3-51	4-2-51	1706
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	5-2-51	5-1-51	1160
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	4-19-51	4-16-51	1739
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	4-9-51	4-9-51	1867
58. DOWELL, E. F., Rolls and Rollers, Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	3-31-51	3-27-51	1259
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	4-7-51	4-2-51	1186
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-2-51	4-4-51	1100
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-21-51	3-26-51	1334
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	4-17-51	3-27-51	1406
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	4-17-51	4-5-51	1765
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	5-14-51	5-21-51	1795
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	4-16-51	4-18-51	1405
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	3-7-51	3-6-51	1093
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	4-6-51	4-7-51	1257
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	3-14-51	3-10-51	1776
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	3-17-51	3-21-51	1334
70. BREWRINK, J. L., Firearms; Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	3-8-52	3-12-52	1576
DESIGNS: A. BREHM, G. L., Industrial Arts	8-3-51	8-20-51	989
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	8-1-51	8-20-51	696

Total number of trade-mark applications awaiting action (including renewals and republications), 15,849. Date of oldest new application, June 11, 1951; date of oldest amended application, June 10, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	6-11-51	6-11-51	4933
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	7-11-51	7-10-51	3131
Renewals (All Classes)	11-15-51	11-29-51	277
Republications (All Classes)	10-26-51	11-29-51	563
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	6-19-51	6-10-51	3873
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	7-9-51	7-2-51	3072

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,912,410, W. Shotey, Device for dressing grinding wheels, D. C., E. D. Mich. (Detroit), Doc. 10031, *W. Shotey v. U. S. Broach Co.* Order dismissing complaint without prejudice (notice Dec. 3, 1951). Same, filed Dec. 7, 1951, D. C., E. D. Mich. (Detroit), Doc. 11136, *W. Shotey v. U. S. Broach Co.*

2,192,525, Rosaire & Horvitz, Geophysical prospecting method; 2,324,085, same, Geochemical well logging, filed Dec. 3, 1951, D. C., W. D. Tex. (San Antonio), Doc. 1546, *E. E. Rosaire v. Petroleum Service Co.*

2,251,386, S. White, Sign; 2,354,018, Heltzer & Clarke, Light reflector sheet, filed Dec. 3, 1951, D. C., E. D. Mo. (St. Louis), Doc. 8284 (1), *Minnesota Mining & Mfg. Co. v. Wiegand Mfg. Co.*

2,259,962, H. L. Owen, Shingle; 2,346,450, same, Shingle package, D. C., S. D. Calif. (Los Angeles), Doc. 10837–C, *Shingle Product Patents, Inc. v. Quality Trim Products Co. et al.* Patents held invalid, judgment granted defendants for declaratory relief, but defendants take nothing on second counterclaim (notice Dec. 3, 1951).

2,311,572, A. H. Reynolds, Material for wrapping pipes and for covering metallic surfaces, suit for declaratory judgment filed Dec. 6, 1951, D. C., S. D. N. Y., Doc. 71/309, *Newark Paraffine & Parchment Paper Co. v. Dearborn Chemical Co.*

2,324,085. (See 2,192,525.) 2,346,450. (See 2,259,962.)

2,354,018. (See 2,251,386.)

2,461,464, R. Aronstein, Filter for fluorescent screens, D. C., S. D. N. Y., Doc. 51/224, *Transmirra Products Corp. et al. v. H. L. Dalis, Inc.* Judgment holding infringement; injunction granted (notice Dec. 10, 1951). Doc. 51/226, *Transmirra Products Corp. et al. v. Radio Merchandise Sales, Inc.* Decree as above.

2,498,374, F. E. Martin, Method and article for treatment of mammary glands, C. C. A., 4th Cir. (Richmond), Doc. 6340, *Martin Laboratories v. Wyeth, Inc., et al.* Judgment of district court affirmed Dec. 5, 1951.

2,530,179, L. Rosen, Swivel clamp for submergible electric cables, filed Dec. 4, 1951, D. C., W. D. Okla. (Oklahoma City), Doc. 5316, *L. Rosen v. Reda Pump Co.*

2,535,864, H. M. Plehn, Garment, suit for declaratory judgment filed Nov. 30, 1951, D. C., S. D. N. Y., Doc. 71/255, *Jantzen Knitting Mills, Inc. v. Peter Pan Foundations, Inc.* Same, filed Dec. 10, 1951, D. C., S. D. N. Y., Doc. 71/339, *Peter Pan Foundations, Inc. v. Lady Marlene Brassiere Corp.* Doc. 71/340, *Peter Pan Foundations, Inc. v. William Gluckin & Co., Inc., et al.*

2,577,710, E. G. McDonough, Permanent waving composition and method, suit for declaratory judgment filed Dec. 4, 1951, D. C., S. D. N. Y., Doc. 71/280, *Helene Curtis Industries, Inc. v. Sales Affiliates, Inc.* Doc. 71/284, *Gillette Safety Razor Co. v. Sales Affiliates, Inc.*

Des. 151,732 (*a*), W. G. Bley, Lady's stocking, D. C., E. D. Mo. (St. Louis), Doc. 8089 (1), *Sanson Hosiery Mills, Inc., et al. v. Ely & Walker Dry Goods Co.* Consent judgment holding patent valid and infringed; defendants' counterclaims dismissed Nov. 7, 1951. Same, D. C., E. D. Pa., Doc. 10750, *Sanson Hosiery Mills, Inc., et al. v. Fleetwood Hosiery Corp.* Consent judgment favor plaintiff and granting injunction Dec. 3, 1951. Doc. 10751, *Sanson Hosiery Mills, Inc. v. Eli J. Paris Hosiery Co.* Decree as above. Doc. 12780, *Sanson Hosiery Mills, Inc., et al. v. Joy Hosiery Shops.* Decree as above Dec. 6, 1951. Same, D. C., S. D. N. Y., Doc. 68/353, *Sanson Hosiery Mills, Inc., et al. v. Topaz Hosiery Co., Inc.* Consent judgment, patent held valid; defendant enjoined Dec. 27, 1951.

Des. 151,732 (*b*), Des. 151,733, W. G. Bley, Lady's stocking, D. C., S. D. N. Y., Doc. 67/262, *Sanson Hosiery Mills, Inc., et al. v. Dainty Maid Hosiery Co., Inc.* Consent judgment holding infringement; injunction (notice Dec. 6, 1951).

Des. 151,733, W. G. Bley, Lady's stocking, D. C., E. D. Pa., Doc. 10190, *Sanson Hosiery Mills, Inc., et al. v. Mayfair Hosiery Co., Inc.* Consent judgment favor plaintiff and granting injunction Dec. 3, 1951.

Des. 151,733. (See Des. 151,732 (*b*).)

Des. 157,317, C. E. Applegate, Electrical corn popper, D. C., N. D. Ohio (Toledo), Doc. 6378, *Dominion Electric Corp. v. McGraw Electric Co.* Judgment for defendant holding patent invalid Dec. 10, 1951.

Des. 159,443, P. A. Riley, Wall plaque, D. C., S. D. N. Y., Doc. 64/365, *The Doll Toy Co. v. Bancroft-Rellim Corp.* Consent judgment holding patent infringed; defendant enjoined Nov. 30, 1951.

Des. 159,667, M. M. Ross, Rattle, filed Dec. 7, 1951, D. C., S. D. N. Y., Doc. 71/324, *M. M. Ross v. Plastic Playthings, Inc.*

Des. 161,665, C. Vermann, Base for a hosiery leg form, filed Dec. 7, 1951, D. C., S. D. N. Y., Doc. 71/321, *Just Plastics, Inc. v. Thall Plastics Engineering Co. et al.*

Des. 164,673, W. de Mond, Lady's stocking, D. C., E. D. Pa., Doc. 12887, *Sanson Hosiery Mills, Inc. v. Weinberg's, Inc.* Consent judgment favor plaintiff, and granting injunction Nov. 29, 1951.

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 342,616, Texas Tanning & Mfg. Co., Belts for men, filed Dec. 10, 1951, D. C., S. D. N. Y., Doc. 71/332, *Tex Tan of Yoakum v. Leslie-Henry Co., Inc.*

T. M. 501,833, C. McGinley, Weekly newspaper, D. C., S. D. N. Y., Doc. 68/241, *C. McGinley v. Freethinkers of America et al.* Stipulation and order enjoining defendants Dec. 6, 1951.

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PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

NOTICES

Disclaimers

2,081,223.—*Clarence J. Coberly*, Los Angeles, Calif. FLUID OPERATED DEEP WELL PUMP. Patent dated May 25, 1937. Disclaimer filed Dec. 17, 1951, by the assignee, *Dresser Equipment Company*.

Hereby enters this disclaimer to claims 1, 4, 5, 6, 7, 8, and 9 of said patent.

2,471,315.—*Richard C. Dehmel*, Summit, N. J. AIRCRAFT TRAINER FOR AERIAL GUNNERS. Patent dated May 24, 1949. Disclaimer filed Dec. 21, 1951, by the assignee, *Bell Telephone Laboratories, Incorporated*.

Hereby enters this disclaimer to claims 1, 2, 3, 5, 8, 11, 12, and 13 of said patent.

2,501,269.—*Arthur F. Fischer*, New York, N. Y. FROTH FLOTATION OF SULFIDE ORES. Patent dated Mar. 21, 1950. Disclaimer filed Dec. 24, 1951, by the inventor, the assignee, *Minerec Corporation*, assenting.

Hereby enters this disclaimer to claim 3 of said patent and to as much of claim 1 as is in excess of the following:

The method of concentrating sulphide ore which comprises subjecting the ore in the form of a pulp to a froth flotation operation in the presence of a compound having the structural formula

$$X-C(=O)-Y-C(=O)-X$$

in which X is an organic dithio acid radical of the group consisting of alkyl xanthate radicals and alkyl dithiophosphate radicals and Y is the organic radical

$$O-C_2H_4-O$$

and in which X is an alkyl dithiophosphate radical and Y is the organic radical

$$O-C_2H_4-O-C_2H_4-O$$

2,548,324.—*Carl A. Smith*, Ferguson, Mo. DEFROST CONTROL FOR REFRIGERATION SYSTEMS. Patent dated Apr. 10, 1951. Disclaimer filed Dec. 27, 1951, by the inventor, the assignee, *Missouri Automatic Control Corporation*, assenting.

Hereby enters this disclaimer to claims 1, 2, 3, and 9 of said patent.

Adjudicated Patent

(D. C. Mich.) Gleason Patent No. 2,124,695, for a spring assembly for upholstery, *Held* invalid. *Nachman Corp. v. L. A. Young Spring & Wire Corp.*, 100 F. Supp. 903, — USPQ —.

Examination

In accordance with the provisions of Rule 341(c) of the Rules of Practice, an examination for candidates applying for registration to practice before the United States Patent Office as patent attorneys or agents will be held on Monday, April 28, 1952.

This examination will be given under the supervision of the Civil Service Commission, and may be taken in any of the cities of the country in which the Civil Service Commission regularly conducts examinations. Applications to take the examination must be directed to the Commissioner of Patents and filed in the Patent Office not later than March 28, 1952.

Application blanks may be obtained from the Clerk of the Patent Office Committee on Enrollment, Room 1859, Department of Commerce Building.

THOMAS F. MURPHY,
Chairman, Committee on Enrollment.

Jan. 7, 1952.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,558,416. Swing-Down Shelf. Patented June 26, 1951. A shelf unit for mounting in wall cabinets which are out of convenient reach may be swung forwardly and downwardly in front of cabinet and latched in position so that articles on the shelves are readily accessible to persons standing on the floor. Upper shelf has a parallelogrammic connection at each end with base of cabinet. Each connection has a pair of parallel arms, their upper ends pivoted to front and rear of upper shelf. Lower ends of arms are pivoted to base of cabinet. Several long springs, each trained around a separate pulley on back of cabinet, are detachably secured to hooks at rear of upper shelf to counterbalance the weight on the shelves as they are raised or lowered. An operating handle is provided on lowest shelf. (Owner) Emil Brack, 4021 Grand Ave., Western Springs, Ill. Group 25—11—22—41. Reg. No. 46,249.

Pat. 2,265,088. Word Counting Mechanism for Typewriters. Patented Dec. 2, 1941. Counting attachment for typewriters, or other typographic keyboard, registers each word mechanically as typewriter is being operated. A pivoted counter actuating lever is operable upon opposite movements to complete a counting operation. A transversely extending pivoted plate underlies the type bars of the machine for actuation as keys are depressed. A slidable rod is connected at one end to the plate and at other end to a tapered head to ride under the lever to move lever in opposite direction. Owner states that attachment is available for demonstration. (Owner) Junius E. Tucker, 4561 Poplar Ave., Memphis, Tenn. Group 35—55—71—72. Reg. No. 46,250.

Pat. 2,564,831. Window Shade Mounting Device. Patented Aug. 21, 1951. Device for mounting a window shade and adjustably holding the shade roller in different positions. The adjustment feature consists of a beaded chain control and a locking pawl for engaging the reduced portions of the beaded chain and clamping them against further movement. A housing having a bell-like end cooperates with a pawl for locking or unlocking a beaded chain which is trained over a pulley. One end of chain, when pulled, effects a lock of the pawl, whereas a pull on other end of chain effects release of the pawl and adjustment of the spring roller of the shade to a desired position. (Owner) Charles S. Butkus, Route 1, Palatine, Ill. Groups 25—62; 33—59—73; 34—41; 39—81; 40. Reg. No. 46,251.

The following three patents are offered for sale or license on reasonable terms by the administrator of the estate of Leslie A. Block. Correspondence concerning the patents should be directed to Wilton A. Block, 412 Union Trust Building, 19 Main St. West, Rochester 4, N. Y.

Pat. 2,292,359. Cake of Soap Having Desired Insignia. Patented Aug. 11, 1942. Soap cake has a display surface with an insert therein composed of a soap material having its grain substantially parallel to the display surface. Group 28—41. Reg. No. 46,252.

Pat. 2,423,435. Method of Making Soap Cake Having Desired Insignia. Patented July 8, 1947. Method of making a soap cake having a distinctive insignia. A hard soap insert of the desired insignia is formed. A recess smaller than the display surface of the insignia is provided in the cake. The hard soap insert is pressed into the recess. Group 28—41. Reg. No. 46,253.

Pat. 2,423,576. Apparatus for Making Soap Cakes Having Desired Insignia. Patented July 8, 1947. Apparatus for providing a distinctive insignia in a soap cake. The mold for the soap cake has a wall with an aperture the size and shape of the insignia. A plunger movable through the soap material cooperates with and enters the apertured wall simultaneously to form a soap insert of a definite depth and move the insert through the apertured wall into the soap cake. Group 28—41. Reg. No. 46,254.

Mississippi Valley Research Laboratories, Inc., 901 South 18th St., St. Louis 3, Mo., offers the following two patents for license or sale on reasonable terms.

Pat. 2,485,711. Phenol Aldehyde Resins. Patented Oct. 25, 1949. A soluble ether-resin is made from a 1,3-dihydric phenol, such as resorcinol, and a dihalide such as dichloroethyl ether. This ether-resin can be dissolved in a solvent and applied as a coating or as an adhesive, together with formaldehyde or hexamethylene tetramine under mildly alkaline conditions. This resin is then cured under heat to a hard, insoluble resin, which has considerable flexibility and far less brittleness than ordinary phenol-formaldehyde resins. Useful in coatings, molded parts, or laminates. Group 28—83—89. Reg. No. 46,255.

Pat. 2,535,380. Thermosetting Formaldehyde Resin Modified With a Polyethylene Glycol Bis-(Aminophenyl) Ether. Patented Dec. 26, 1950. A synthetic resin is made by reacting under heat a polyethylene glycol bis-(aminophenyl) ether with formaldehyde and either a heat-hardenable phenolformaldehyde, melamine formaldehyde or urea formaldehyde composition. The resin obtained is hard, insoluble, and has considerable flexibility, and is useful in contings, molded parts, or laminates. Group 28—83—89. Reg. No. 46,256.

Pat. 2,560,466. Collapsible Rack. Patented July 10, 1951. Collapsible lazy tong type rack for supporting articles of apparel, wet towels, etc. has a locking arm to prevent rack from collapsing when in extended position. A pair of spaced parallel brackets carry a pair of lazy tongs which are connected by a series of transverse bars. A locking arm is pivotally attached to lower end of each bracket and lower inner link of adjacent lazy tong to retain the tongs in extended position. To collapse rack, the outer end must be lifted and horizontal force applied. May be inexpensively manufactured from stamped metal. (Owner) Victor E. Meinke, 213 Robin Hood Road, Norfolk, Va. Groups 33—73; 34—41; 40. Reg. No. 46,257.

Pat. 2,561,777. Antislip Pad. Patented July 24, 1951. Antislip pad for anchoring women's hosiery against twisting movement on the leg of wearer. The pad may be attached permanently or as an accessory beneath the garter clasp which is attached to the stocking in the usual manner. One face of pad has a soft cushion-like finish to frictionally engage the skin. Other face of pad has a minute pebbly grain finish to receive and cling to the hosiery. (Owners) William L. Stoddard and Ethel Bernstein. Correspondence to Lillian Bernstein, 35 Cummings Road, Brookline 46, Mass. Groups 23—42—84; 30—51; 40. Reg. No. 46,258.

Pat. 2,558,799. Rotary Vegetable Juice Extractor Having Separating Means. Patented July 3, 1951. Electric juice extractor wherein the pulp is macerated and then passed at intervals into a worm feed which passes the pulp into a whipper and juice extractor. The pulp and juice are separated and delivered through separate outlets into receptacles. (Owner) Mathew J. Thomas, 234 North Lake St., Los Angeles 26, Calif. Group 36—21. Reg. No. 46,259.

Pat. 2,334,332. Repeating Toy Gun. Patented Nov. 16, 1943. A repeating toy gun for shooting rubber balls, each by the force of a stretched elastic cord to which a ball is attached. The other end of each cord is hooked at the muzzle end of the gun barrel. The magazine is a slotted paddle wheel carried by a rearwardly shiftable pivot shaft and urged forwardly by the cord tension against a paddle engaging stop. The trigger action pulls the wheel rearwardly to permit turning of one-sixth of a revolution. Can be made in full gun or pistol size. (Owner) Clarence S. Johnson. Correspondence to C. Lauren Maltby, 712 Security Building, Pasadena, Calif. Group 39—41. Reg. No. 46,260.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Included in the following 33 patents are patents relating to: Dynamometers; methods of treating silicon steel; torque measuring devices; contact members for brush holders; louvers for locomotives; motors; controls and switches. Other patents relate to: A portable liquid dispenser for flushing crank cases or other machine parts; centrifugal fan casing for portable electric tools for motor ventilating and cooling purposes; magnetic screw driver or like tool; railway truck; and a valve assembly for a steam turbine, etc. Groups 28—34; 33—12—52—66; 35—41—61—66—69; 36—12—13—19—41; 37—11. Reg. Nos. 46,261 through 46,293.

Pat. 2,008,538. Control of Alternating Current Motors. July 16, 1935.

Pat. 2,017,700. Synchronous Motor. Oct. 15, 1935.

Pat. 2,036,819. Double Voltage Split Phase Motor. Apr. 7, 1936.

Pat. 2,040,763. Electric Circuit Control Means. May 12, 1936.

Pat. 2,091,838. Liquid Dispenser. Aug. 31, 1937.

Pat. 2,113,465. Railway Truck. Apr. 5, 1938.

Pat. 2,120,109. Inductor Dynamo-Electric Machine. June 7, 1938

Pat. 2,126,525. Louver Construction. Aug. 9, 1938.

Pat. 2,153,359. Air Flow Control Apparatus. Apr. 4, 1939.

Pat. 2,192,756. Treatment of Ferrous Metal. Mar. 5, 1940.

Pat. 2,201,867. Centrifugal Fan Casing. May 21, 1940.

Pat. 2,213,890. Electric Snap Switch. Sept. 3, 1940.

Pat. 2,235,532. Method for Shearing Normally Brittle Sheet Metal. Mar. 18, 1941.

Pat. 2,260,055. Magnetic Tool. Oct. 21, 1941.

Pat. 2,298,076. Electric Dynamometer. Oct. 6, 1942.

Pat. 2,298,894. Electric Dynamometer. Oct. 13, 1942.

Pat. 2,300,163. Electric Dynamometer. Oct. 27, 1942

Pat. 2,320,176. Reversible Single Phase Motor. May 25, 1943.

Pat. 2,335,860. Dynamometer Excitation Control System. Dec. 7, 1943.

Pat. 2,347,208. Torque Measuring Device. Apr. 25, 1944.

Pat. 2,347,214. Torque Measuring Device. Apr. 25, 1944.

Pat. 2,357,080. Restraint Device. Aug. 29, 1944.

Pat. 2,367,596. Dynamometer Test System. Jan. 16, 1945.

Pat. 2,370,600. Centrifugal Fan. Feb. 27, 1945.

Pat. 2,391,024. Dynamometer. Dec. 18, 1945.

Pat. 2,407,117. Quick Reversing Capacitor Motor. Sept. 3, 1946.

Pat. 2,418,707. Lubricant Seal. Apr. 8, 1947.

Pat. 2,428,250 Current Collector Contact Member. Sept 30, 1947.

Pat. 2,430,279. Current Collector Contact Member. Nov. 4, 1947.

Pat. 2,439,678. Current Collector Contact Member. Apr. 13, 1948.

Pat. 2,548,621. Electric Induction Apparatus. Apr. 10, 1951.

Pat. 2,550,501. Gap Bridging Lamination for Noise Reduction in Magnetic Structures. Apr. 24, 1951.

Pat. 2,561,214. Combination Balanced Shutoff and Throttling Valve Assemblies. July 17, 1951.

The following five patents relate to: A current collector contact element; a fluid blast circuit interrupter; a recorder using an electrical spark as the recording medium; a damping system for electrical measuring instruments; and a stator for dynamoelectric machines. Group 36—13—19—41—61

Pat. 2,418,812. Contact Element. Apr. 15, 1947. Reg. No. 46,291

Pat. 2,421,236. Electric Circuit Interrupter. May 27, 1947. Reg. No. 46,295.

Pat. 2,560,247. Spark Recorder Apparatus. July 10, 1951. Reg. No. 46,296.

Pat. 2,560,257. Instrument Damping System. July 10, 1951. Reg. No. 46,297.

Pat. 2,560,560. Stator for Universal Electric Motors. July 17, 1951. Reg. No. 46,298.

Included among the following 20 patents are patents relating to: Washing machines and controls therefor; a garbage grinder; an electric chime clock; refrigerator cabinets, apparatus, and devices; dehydration apparatus for removing frozen moisture from foods while maintaining the foods at proper temperature for their preservation; and an interval timer for timing processes, such as photograph printing time. Groups 20—37; 32—71; 33—59; 34—61; 35—51—61—66—81—84; 36—19—21; 39—12.

Pat. 2,224,085. Electric Clock. Dec. 3, 1940. Reg. No. 46,299.

Pat. 2,260,847. Vibratory Frequency Standard. Oct. 28, 1941. Reg. No. 46,300.

Pat. 2,260,848. Vibratory Frequency Standard. Oct. 28, 1941. Reg. No. 46,301.

Pat. 2,489,077. One-Way Worm Gear Lock. Nov. 22, 1949. Reg. No. 46,302.

Pat. 2,489,098. Process Timer. Nov. 22, 1949. Reg. No. 46,303.

Pat. 2,499,179. Support for Food Storage Receptacles. Feb. 28, 1950. Reg. No. 46,304.

Pat. 2,507,217. Drawer Closure Assembly. May 9, 1950. Reg. No. 46,305.

Pat. 2,525,462. Motor Reversing Arrangement. Oct. 10, 1950. Reg. No. 46,306.

Pat. 2,554,992. Wrist Pin and Connecting Rod Assembly. May 29, 1951. Reg. No. 46,307.

Pat. 2,555,968. Drip Collecting Arrangement for Refrigerators. June 5, 1951. Reg. No. 46,308.

Pat. 2,561,201. Refrigerator Latch. July 17, 1951. Reg. No. 46,309.

Pat. 2,064,648. Pump or Compressor. Dec. 15, 1936. Reg. No. 46,310.

Pat. 2,481,968. Refrigerant Flow Controlling Device. Sept. 13, 1949. Reg. No. 46,311.

Pat. 2,564,473. Sliding Shelf. Aug. 14, 1951. Reg. No. 46,312.

Pat. 2,564,475. Dehydration of Frozen Foods. Aug. 14, 1951. Reg. No. 46,313.

Pat. 2,561,257. Control for Automatic Washing Machines. July 17, 1951. Reg. No. 46,314.

Pat. 2,561,186. Washing Machines. July 17, 1951. Reg. No. 46,315.

Pat. 2,561,195. Clothes Wringer Control Mechanism of the Instinctive Release Type. July 17, 1951. Reg. No. 46,316.

Pat. 2,563,537. Illuminated Instrument Faces. Aug. 7, 1951. Reg. No. 46,317.

Pat. 2,566,069. Waste Disposal Apparatus. Aug. 28, 1951. Reg. No. 46,318.

The following six patents relate to: A speed control for brush-shifting motors; a magnetic gyroscope; process for making thermopiles; a pantograph assembly for establishing contact between an overhead wire and electric railway cars; an alternating current motor vibrator such as is used on electric alarm clocks; and an ultra-high frequency magnetron-type amplifier. Groups 34—61; 36—11—19—41—91—92.

Pat. 2,561,837. Preset Speed Device for Adjustable Speed Motors. July 24, 1951. Reg. No. 46,319.

Pat. 2,562,690. Magnetic Gyroscope. July 31, 1951. Reg. No. 46,320.

Pat. 2,562,696. Thermopile Construction. July 31, 1951. Reg. No. 46,321.

Pat. 2,562,727. Pantograph Assembly. July 31, 1951. Reg. No. 46,322.

Pat. 2,562,734. Series Flux Vibrator for Use on Synchronous Clock Motors. July 31, 1951. Reg. No. 46,323.

Pat. 2,562,738. Electron Discharge Apparatus for Amplifying Ultra High Frequency Waves. July 31, 1951. Reg. No. 46,324.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 22, 1952

[VOL. 654. No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 526,272. Edwin A. Neugass, doing business as Plasteck Manufacturing Co., East Port Chester, Conn. Filed July 4, 1947.



For Plastic Panels, Dials, Discs, Buttons, and Knobs Used With Electrical Components of Various Instruments. Claims use since Oct. 5, 1945.

Ser. No. 526,273. Edwin A. Neugass, doing business as Plasteck Manufacturing Co., East Port Chester, Conn. Filed July 4, 1947.

PLASTECK

For Plastic Panels, Dials, Discs, Buttons, and Knobs Used With Electrical Components of Various Instruments. Claims use since Oct. 11, 1943.

ACT OF 1946

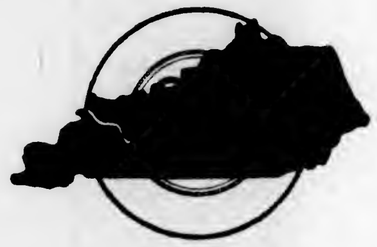
The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 575,672. Carl A. Reis, South Carrollton, Ky. Filed Mar. 18, 1949.



The terms "Green River, Ky." and "Green River Coal" are disclaimed. Applicant claims ownership of Registration No. 260,471.

For Coal.

Claims use since April 1918.

Ser. No. 592,271. Limestone Products Corporation of America, Newton, N. J. Filed Feb. 10, 1950.

LITTER-KEPE

The word "Litter" is disclaimed.

For Finely Pulverized Limestone for Animal and Poultry Bedding.

Claims use since Apr. 12, 1949.

Ser. No. 593,284. The Page Seed Company, Greene, N. Y. Filed Mar. 2, 1950.

PAGE'S PS SEEDS

The words "Page's" and "Seeds" are disclaimed.

For Garden, Grass, and Flower Seeds.

Claims use since November 1948.

Ser. No. 599,147. Binney & Smith Company, New York, N. Y. Filed June 15, 1950. (Sec. 2f.)

GOLD MEDAL

Applicant claims ownership of Registrations Nos. 253,002 and 236,046.
For Modeling Clay.
Claims use since 1933.

Ser. No. 613,808. Ferry-Morse Seed Co., Detroit, Mich. Filed May 12, 1951.

FOREMOST

For Seeds—Namely, Vegetable, Flower, and Grass Seeds.
Claims use since Mar. 20, 1951.

Ser. No. 615,214. Germain's, Inc., Los Angeles, Calif. Filed June 15, 1951.

Lucky Strike

For Flower Seeds.
Claims use since May 31, 1951.

CLASS 2

RECEPTACLES

Ser. No. 554,509. Package Containers, Inc., Portland, Oreg. Filed Apr. 13, 1948.

Home-Toter

The drawing is lined for blue; color is not claimed as a feature of the mark. The word "Toter" is disclaimed.
For Paper Shopping Bags.
Claims use since July 1, 1947.

Ser. No. 577,232. Sonoco Products Company, Hartsville, S. C. Filed Apr. 15, 1949.

SONOCO SERVES THE WORLD

Applicant claims ownership of Registrations Nos. 137,865, 285,754, and others.
For Paper Carriers—Namely, Tubes and Cones Adapted for Receiving and Carrying Windings of Yarn or Other Material on the Outer Surface; Cylindrical Paper Tubes, With or Without End Caps, for Receiving and Containing Articles Placed Therein; and Paper Cans and Composite Paper and Tin Cans With a Closure Adapted To Contain and Hold Articles or for Use as a Casing Around Other Receptacles.
Claims use since Apr. 1, 1939.

Ser. No. 582,830. Flo-Bar, Limited, New York, N. Y. Filed Aug. 2, 1949.

Flobar

For Refillable Controlled Fluid Soap Dispensers.
Claims use since July 26, 1949.

Ser. No. 588,304. Lucien Lelong, Inc., Chicago, Ill. Filed Nov. 25, 1949.

Ting-a-Ling

For Perfume Containers—Namely, a Collapsible Paper Box.
Claims use since Sept. 19, 1949.

Ser. No. 590,059. American Stores Company, Philadelphia, Pa. Filed Dec. 29, 1949.

princess

The pictorial representation is fanciful and does not identify any particular living individual.
For Paper Kitchen Bags.
Claims use since Mar. 6, 1943.

Ser. No. 595,331. Scaife Company, Oakmont, Pa. Filed Apr. 6, 1950.

Dura-Lite

The word "Lite" is disclaimed.
For Metal Cylinders for Holding Fluids.
Claims use since Feb. 24, 1950.

Ser. No. 596,238. Harper J. Ransburg Co., Inc., Indianapolis, Ind. Filed Apr. 24, 1950.

BATH BOUQUET

The word "Bath" is disclaimed.
For Receptacles—Namely, Plastic Tumblers, Facial Tissue Holders, Portable Soap Flake Dispensers, Portable Dispensing Containers for Absorbent Cotton, Powder Boxes, Brush Holders, Cleanser Can Holders, and Wastebaskets.
Claims use since June 1949.

Ser. No. 604,203. Industrial Container Corporation, Brooklyn, N. Y. Filed Sept. 29, 1950.

Duro-seam

The word "Seam" is disclaimed.
For Cartons and Boxes of Paper and Corrugated Board.
Claims use since Aug. 18, 1950.

Ser. No. 604,877. Gerald W. Wieland, Indianapolis, Ind. Filed Oct. 13, 1950.

CONEY CANOE

The word "Coney" is disclaimed.
For Cardboard Sandwich Trays.
Claims use since Sept. 5, 1946.

Ser. No. 604,898. Bemis Bro. Bag Company, St. Louis, Mo. Filed Oct. 14, 1950.

PLASTITEX

Applicant claims ownership of Registrations Nos. 340,788 and 503,378.
For Bags Made of Paper, Fabric, Combinations of Paper and Fabric and Combinations of Paper and/or Fabric With a Plastic.
Claims use since Sept. 7, 1950.

Ser. No. 606,108. Willauer Paper Box Company, Inc., Spartanburg, S. C. Filed Nov. 8, 1950.

Plasti-Wax

The word "Wax" is disclaimed.
For Collapsible Cardboard Boxes.
Claims use since Mar. 1, 1950.

Ser. No. 607,312. Bemis Bro. Bag Company, St. Louis, Mo. Filed Dec. 6, 1950.

FOTO-PAK

The word "Pak" is disclaimed.
For Paper Window Bags.
Claims use since Oct. 23, 1950.

Ser. No. 612,441. Central Bag & Burlap Company, Chicago, Ill. Filed Apr. 10, 1951.

BLUE RIBBON BAGS

The term "Bags" is disclaimed. Applicant claims ownership of Registration No. 537,556.
For Textile Bags, Paper Lined Textile Bags, and Laminated Textile Bags.
Claims use since May 27, 1948.

Ser. No. 612,587. Central Plastic Corporation, Leominster, Mass. Filed Apr. 13, 1951.

Utilamate

For Plastic Sewing Boxes, Candy Boxes, Parts Boxes, Change Boxes, and Make Up Boxes.
Claims use since Jan. 2, 1951.

Ser. No. 612,625. Protex Products Company, Inc., New York, N. Y. Filed Apr. 13, 1951.

Parascope

For Garment Bags.
Claims use since September 1950.

Ser. No. 615,881. Clayton & Lambert Manufacturing Company, Louisville, Ky. Filed June 29, 1951.

C&L

For Silos, Corn Cribs, and Grain Bins.
Claims use since June 1945.

Ser. No. 615,933. The C. S. Johnson Company, Champaign, Ill. Filed June 30, 1951. (Sec. 2f.)

JOHNSON

For Buckets, Bins, and Hoppers for the Transportation and Storage of Concrete and Concrete Constituents.
Claims use since Apr. 17, 1924.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 576,605. The Apollo Company, Inc., Detroit, Mich. Filed Mar. 30, 1949.

PRELITE

For Utility Bags of Leather and Imitation Leather for Carrying Babies' Accessories, Etc.
Claims use since Oct. 18, 1948.

Ser. No. 578,057. John E. Steere, doing business as Steere Enterprises, Hollywood, Calif. Filed Apr. 30, 1949.

"Pro-Lite"

The words "Steere" and "Products" are disclaimed.
For Coin Cases, Card Cases, Key Cases, Key Kits Sold Empty, Purses.
Claims use since Apr. 20, 1949.

Ser. No. 603,229. Grainick Bros. Inc., Philadelphia, Pa. Filed Sept. 7, 1950.

ADONIS

For Hand Bags, Suit Cases, Overnight Bags, Trunks, Gladstones, Valises, Traveling Bags.
Claims use since Aug. 22, 1950.

Ser. No. 605,060. Revelation Supplies Limited, Chiswick, London, England. Filed Oct. 17, 1950.

Applicant claims ownership of British Registration No. 680,352, dated June 17, 1949.
For Suitcases, Weekend Cases, Wardrobe Trunks, Steamer Trunks, Pullman Trunks, Trunks, Overnight Cases, Train Cases, Vanity Cases, Hat Cases, Shoe Cases, Wardrobe Cases, Document Cases, Handbags, Brief Cases, Attache Cases and Card Cases.

Ser. No. 611,562. Dale Retail Stores, Inc., New York, N. Y. Filed Mar. 20, 1951.

CUSTOMATED

For Overnight Cases, Week-End Cases, Bottle Cases, Wardrobe Cases, Pullman Cases, Hat Cases, Shoe Cases, and Suit Cases.
Claims use since Feb. 17, 1951.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 570,514. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 14, 1948. (Sec. 2f.)

DUNLAP

For Grinding Stones, Abrasive Grinding Wheels, Sanding Blocks, Sandpaper, Emery Cloth.
Claims use since July 15, 1937.

Ser. No. 577,927. Armour and Company, Chicago, Ill. Filed Apr. 29, 1949. (Sec. 2f.)

ARMOUR

For Coated Abrasive Products Having a Flexible Backing With an Abrasive Secured to the Backing by an Adhesive.
Claims use since 1896.

Ser. No. 579,589. Franklin Research Company, Philadelphia, Pa. Filed May 27, 1949. (Sec. 2f.)

FRANKLIN'S

For Automobile Waxes and Glazes for Cleaning and Polishing Automobile Surfaces; Wax Polishes for Cleaning and Polishing Linoleum, Rubber, Asphalt Tile, Composition, Marble, Terrazzo, Tile, Plastic, and Finished Wood Surfaces; Burnishing Compounds for Smoothing and Polishing Plastic Surfaces; Wax Emulsion Compositions for Polishing Non-Resilient Floor Surfaces; Wax Base Furniture and Leather Polishes; Floor Polishing Waxes Including Heavy Duty Waxes for Use on Linoleum, Asphalt Tile, Rubber, Finished Wood, and the Like; Wax Base Cleaners and Polishes for Glass, Silver, Chrome, Plastic and Porcelain Surfaces.
Claims use since April 1940.

Ser. No. 594,989. Poor & Company, Chicago, Ill. Filed Mar. 31, 1950.

PRO-BRITE

The word "Brite" is disclaimed. Applicant claims ownership of Registration No. 517,402.
For Abrasive Compounds Containing Lime.
Claims use since Mar. 3, 1950.

Ser. No. 599,183. Lenoir Wood Finishing Company, Inc., Lenoir, N. C. Filed June 15, 1950.

REVELON

For Polishing and Rubbing Preparations in Liquid and Paste Form for Use on the Surfaces of Furniture and Automobiles.
Claims use since May 12, 1950.

Ser. No. 599,369. Divine Brothers Company, Utica, N. Y. Filed June 19, 1950.

Dico

For Buffing and Polishing Wheels, and Buffing Composition for Use With Such Wheels.
Claims use since July 12, 1948.

Ser. No. 600,603. Metal Textile Corporation, Roselle, N. J. Filed July 13, 1950.

CURLEYLOCKS

Applicant claims ownership of Registrations Nos. 359,044 and 366,418.
For Pot Cleaners Made of Metallic Material.
Claims use since May 15, 1950.

CLASS 5

ADHESIVES

Ser. No. 577,611. Sears, Roebuck and Co., Chicago, Ill. Filed Apr. 23, 1949.

TOWER.

For Film Cement.
Claims use since July 15, 1947.

Ser. No. 591,576. Mid-States Gummed Paper Co., Chicago, Ill. Filed Jan. 27, 1950.

"Balanced Adhesion"

The word "Adhesion" is disclaimed.
For Gummed Paper Tape and Gummed Cloth Tape.
Claims use since May 18, 1949.

Ser. No. 603,074. Minnesota Mining & Manufacturing Company, St. Paul, Minn. Filed Sept. 1, 1950.



The mark comprises a Scotch plaid design. The drawing is lined to indicate the colors red and green. Those squares in the drawing lined to indicate black are actually a screen printing of green over red but give the appearance of black. The superimposed diagonal lines bisecting the green and screen printed squares are white in color. The superimposed diagonal lines bisecting the red and screen printed squares are green in color. Applicant claims ownership of Registration No. 519,756.
For High Strength Adhesive Film Sold in Roll Form.
Claims use since October 1948.

Ser. No. 606,015. H. V. Hardman Co. Incorporated, Belleville, N. J. Filed Nov. 7, 1950.

WELDOX

For Cement for Bonding the Bristles of a Brush.
Claims use since Oct. 16, 1950.

Ser. No. 607,071. Samuel Cabot Incorproated, Boston, Mass. Filed Nov. 29, 1950.

POLYGON

For Waterproof, Transparent, and Flexible Cement for Use in Jointing Glass, China, Metal, Wood, Fabrics, and Plastics.
Claims use since July 1941.

Ser. No. 613,533. Stocker Manufacturing Company, Netcong, N. J. Filed May 4, 1951.

COTCO

For Sealing Tapes of Laminated Kraft Paper Generally Provided on One Face With an Adhesive or Gummed Surface.
Claims use since Feb. 20, 1951.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 557,861. Monsanto Chemical Company, St. Louis, Mo. Filed May 26, 1948.

BIOLITE

For Solutions of Salts of Chlorinated Phenols for Fungicidal Use in Treating Materials Made of Natural and Synthetic Fibers Whether Said Materials Are in the Form of Fibers or Finished Products.
Claims use since May 5, 1948.

Ser. No. 567,744. Paul J. Cella, doing business as H. and G. Research Laboratories, Inc., Kansas City, Mo., and Denver, Colo. Filed Nov. 1, 1948. (Sec. 2f.)

SAF-VUE

Applicant claims ownership of Registration No. 362,476.
For Ice-Inhibiting and Windshield Defrosting Compositions.
Claims use since February 1943.

Ser. No. 587,762. Spray Incorporated, East Orange, N. J. Filed Nov. 14, 1949.

FOGSECT

For Aerosol Type Liquid Insecticide.
Claims use since Dec. 1, 1948.

Ser. No. 589,718. General Aniline & Film Corporation, New York and Binghamton, N. Y. Filed Dec. 21, 1949.

PERMADOL

For Chemicals and Preparations and Compounds Thereof Used in Photographic Processes, Particularly Photographic Developers.
Claims use since Oct. 19, 1949.

Ser. No. 590,992. Republic Flow Meters Company, Chicago, Ill. Filed Jan. 17, 1950.

ALCLORA

For Chlorinated Naphthalene Compound for Use in Fluid Pressure Seals, Traps, Monometers, and CO_2 Recorders.
Claims use since 1926.

Ser. No. 597,351. Polk Miller Products Corp., Richmond, Va. Filed May 12, 1950.

Pine-Maid

The word "Pine" is disclaimed.
For Household Disinfectant.
Claims use since Mar. 27, 1950.

Ser. No. 600,946. Sidney J. Coyne, doing business as Coyne Chemical Company, Los Angeles, Calif. Filed July 20, 1950.

SPRAY-TROL INSECTICIDES

The words "Spray" and "Insecticides" are disclaimed.
For Insecticides.
Claims use since June 19, 1950.

Ser. No. 601,251. The Bickmore Company, Old Town, Maine. Filed July 26, 1950.

EXODR

For Household Deodorant Powder.
Claims use since May 17, 1946.

Ser. No. 602,856. Red Comet Incorporated, Littleton, Colo. Filed Aug. 28, 1950.

RED COMET

For Fire Extinguisher Grenades, and Kits Containing Chemical Preparations for Extinguishing Fires.
Claims use since Mar. 24, 1930.

Ser. No. 603,724. American Resinous Chemicals Corporation, Peabody, Mass. Filed Sept. 19, 1950.

ARCCO

For Resin Emulsions, Resin Dispersions and Melt Compositions of One or More of the Following: Natural or Synthetic Resins, Rubber, Waxes, Plasticizers, Organic or Inorganic Fillers for Binders, Coatings, and Saturants.
Claims use since Nov. 1, 1949.

Ser. No. 605,721. Canadian Industries Limited, Montreal, Quebec, Canada. Filed Nov. 1, 1950.

C-I-L

The mark consists of an oval device formed of two lines enclosing the letters and hyphens C-I-L. Applicant claims ownership of Canadian Registration No. 137/35055, dated Mar. 29, 1950.
For Chlorine.

Ser. No. 606,451. Astor Exterminating Co., Boston, Mass. Filed Nov. 16, 1950.

PASTOXINE

For Rodenticide.
Claims use since Mar. 29, 1949.

Ser. No. 607,056. United States Gypsum Company, Chicago, Ill. Filed Nov. 28, 1950.

ARIDUST

For Calcium Sulphate.
Claims use since Aug. 30, 1949.

Ser. No. 607,932. Ciba Limited, Basel, Switzerland. Filed Dec. 21, 1950.

CALOTEX

Applicant claims ownership of Swiss Registration No. 134,651, dated Aug. 4, 1950.
For Chemical Products for Use as Textile Auxiliary Agents.

Ser. No. 607,935. Ciba Limited, Basel, Switzerland. Filed Dec. 21, 1950.

DICRYLAN

Applicant claims ownership of Swiss Registration No. 134,652, dated Aug. 4, 1950.
For Chemical Products for Use as Textile Auxiliary Agents.

Ser. No. 607,936. Ciba Limited, Basel, Switzerland. Filed Dec. 21, 1950.

DIPHASOL

Applicant claims ownership of Swiss Registration No. 134,653, dated Aug. 4, 1950.
For Chemical Products for Use as Textile Auxiliary Agents, Emulsifiers.

Ser. No. 607,940. Ciba Limited, Basel, Switzerland. Filed Dec. 21 ,1950.

MICROSOLITE

Applicant claims ownership of Swiss Registration No. 134,798, dated Aug. 22, 1950.
For Coal Tar Colors.

Ser. No. 608,614. Magnesium Elektron Limited, Clifton Junction, England. Filed Jan. 10, 1951.

ZIRMEL

For Chemical Compositions and Mixtures—Namely, Salts of Zirconium Tetrafluoride, Potassium Fluoride, Potassium Fluozirconate, Alkali Metal Chlorides, Rare Earth Metal Fluorides and Alkaline Earth Metal Chlorides Used for the Introduction of Zirconium and Cerium Into Molten Magnesium and for the Preparation of Other Metallic Alloys.
Claims use since Sept. 1, 1949, and since Sept. 9, 1949 in commerce between foreign nations and the United States.

Ser. No. 609,452. John Sexton & Co., Chicago, Ill. Filed Jan. 31, 1951.

QUATERCIDES

For Class of Liquid Quaternary Ammonium Compounds Used in Diluted Form Having Germicidal Properties for Chemical Sanitizing in Restaurant, Dairy, and Other Food Processing Establishments.
Claims use since June 6, 1950.

Ser. No. 612,737. Geigy Company, Inc., New York, N. Y. Filed Apr. 17, 1951.



Applicant claims ownership of Registration No. 435,726.
For Preparations for Killing Weeds and Destroying Vermin, Insecticides, Fungicides, Sterilizing Preparations, Seed Disinfectants, and Seed Preserving Substances.
Claims use since Mar. 30, 1951.

Ser. No. 613,884. Shell Chemical Corporation, New York, N. Y. Filed May 15, 1951.

ALDREX 2

For Insecticide.
Claims use since Dec. 15, 1950.

Ser. No. 613,974. Commercial Solvents Corporation, New York, N. Y. Filed May 17, 1951.

SIXIDE

Applicant claims ownership of Registration No. 442,133.
For Insecticides.
Claims use since May 11, 1950.

Ser. No. 614,275. Watson-Park Company, Ballardvale, Mass. Filed May 23, 1951.

DYOXOLATE

For Dyestuffs.
Claims use since May 14, 1951.

Ser. No. 614,429. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed May 28, 1951.

MERPENTINE

For Wetting and Penetrating Agent and Dyeing Assistant for Textiles, Leather, and Plastics.
Claims use since May 1932.

Ser. No. 614,441. Imperial Products Company, Philadelphia, Pa. Filed May 28, 1951.

Y-TEX

The words "Powdered Sunshine in a Can" are disclaimed.
For Powdered Household Laundry Bleach.
Claims use since May 17, 1951.

Ser. No. 614,470. Thomas Grain Fumigant Co., Inc., Kansas City, Mo. Filed May 28, 1951.

Tomacide

For Economic Poisons in the Nature of an Insecticide for Fumigating Grains.
Claims use since May 1, 1951.

Ser. No. 616,103. The Johnson-March Corporation, Philadelphia, Pa. Filed July 5, 1951.

DUSTOP

For Chemical Compound Used to Allay Dust at Racetracks, Ball Parks, Etc.
Claims use since June 7, 1951.

CLASS 10

FERTILIZERS

Ser. No. 615,410. E. Rauh & Sons Fertilizer Co., Indianapolis, Ind. Filed June 19, 1951. (Sec. 2f.)

RAUH

The drawing is lined for red and blue. Applicant claims ownership of Registrations Nos. 420,953 and 422,865.
For Tankage and Fertilizer.
Claims use since Aug. 6, 1923.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 568,338. Winn & Coales Ltd., Kent, England. Filed Nov. 6, 1948.

DENSO

Applicant claims ownership of British Registration No. 546,242, dated Nov. 17, 1933.
For Textile Bandages Impregnated Throughout and on Both Faces With Anti-Corrosives, for Wrapping Metal Pipes, Cables in the Earth and, in General, All Surfaces Subjected to Corrosive Actions Either in a Chemical or in an Electrochemical or Electrolytic Way.

Ser. No. 577,806. Nichols and Nichols, Chicago, Ill. Filed Apr. 27, 1949.

"PLYFLEX"

For Laminated Wood for Use in the Manufacture of Furniture.
Claims use since Apr. 7, 1949.

Ser. No. 588,334. Tennessee Products & Chemical Corporation, Nashville, Tenn. Filed Nov. 25, 1949.

TENSULATE

Applicant claims ownership of Registration No. 281,728.
For Insulating Material—Namely, Insulating Cement; Mineral Wool in Loose Form and in the Forms of Batts and Blankets.
Claims use since May 20, 1929.

Ser. No. 602,818. Alumatic Corporation of America, West Allis, Wis. Filed Aug. 28, 1950.

Tri-matic

For Combination Windows.
Claims use since June 29, 1950.

Ser. No. 603,478. F. & M. Supplies Limited, London, England. Filed Sept. 13, 1950.

STOLIT

Applicant claims ownership of British Registration No. 611,701, dated May 2, 1940.
For Artificial Stone, Cement and Plaster for the Preparation of Pattern Plates, Loose Patterns and Odd-Sides, All for Use in the Foundry Trade.

Ser. No. 604,417. William A. Bowman, doing business under the name W A B C O, Baltimore, Md. Filed Oct. 4, 1950.

WABCO

For Windows of the Metal Type—Namely, Storm Windows.
Claims use since Apr. 12, 1949.

Ser. No. 605,174. The Ruberoid Co., Bound Brook, N. J., and New York, N. Y. Filed Oct. 19, 1950. (Sec. 2f.)

SAFE-N-DRY

Applicant claims ownership of Registration No. 278,127.
For Roofing and Building Paper.
Claims use since 1929.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 577,154. The Wade-Youmans Company, Alliance, Ohio. Filed Apr. 14, 1949.

WYCO

For Silent Butlers in the Nature of a Catch-All Around the House, Made of Aluminum, Cream and Sugar Sets With Tray, of Metal, and Coaster Sets of the Disc Type, of Aluminum.
Claims use since Sept. 23, 1948.

Ser. No. 594,508. Henry Lindsay Limited, Bradford, England. Filed Dec. 6, 1949.

LINDIBOLT

Applicant claims ownership of British Registration No. B671,526, dated July 29, 1948; and United States Registrations Nos. 371,415, 418,463, 522,513, and 523,701.
For Bolts.

Ser. No. 604,811. Solar Aircraft Company, San Diego, Calif. Filed Oct. 12, 1950.

SOLA FLEX

The word "Flex" is disclaimed. Applicant claims ownership of Registration No. 412,386.
For Metallic Bellows, Metallic Bellows Expansion Joints, Expansion Joint Anchor Bases, Pipe Guides, and Surge Arrestors for the Prevention of Liquid Hammer in a Fluid Line.
Claims use since Sept. 6, 1950.

Ser. No. 610,321. Imperial Chemical Industries Limited, London and Millbank, London, England. Filed Feb. 20, 1951.

ICI

Applicant claims ownership of British Registrations Nos. 507,727, 507,743, 507,728, 507,722, and 507,732, all dated Nov. 12, 1929.
For Slide Fasteners, Union Joints and Couplings Made of Metal, Fuel Pressure Regulating Valves, Fuel Non-Return Valves, Curtain Rods, Metal Pipes and Tubes, and Tubes of Synthetic Resin Plastics for Plumbing Purposes.

Ser. No. 615,375. Flexigrip, Inc., New York, N. Y. Filed June 19, 1951.

The representation of a fastener and the word "Grip" are disclaimed. The drawing is lined for shading.
For Plastic Slide Fasteners.
Claims use since June 12, 1951.

Ser. No. 616,790. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed July 23, 1951.

IDEAL

Applicant claims ownership of Registration No. 212,800.
For Wire Nails and Brads.
Claims use since 1923.

Ser. No. 617,088. The M. S. Little Manufacturing Company, Hartford, Conn. Filed July 28, 1951.

HI-BOY

For Plumbing Traps.
Claims use since May 1949.

Ser. No. 617,139. American Plastic Products Co., Detroit, Mich. Filed July 31, 1951.

Stylife

For Toilet Seats.
Claims use since Feb. 1, 1949.

Ser. No. 617,156. Moriarty Manufacturing Co., Kenosha, Wis. Filed July 31, 1951. (Sec. 2f.)

Easy Up

Applicant claims ownership of Registration No. 442,748.
For Curtain Rods.
Claims use since June 1, 1935.

Ser. No. 617,202. Minnesota Retail Hardware Association, Minneapolis, Minn. Filed Aug. 1, 1951.

FLEX-O

For Hooks for Displaying Hardware Items.
Claims use since December 1949.

Ser. No. 617,274. The Bates Manufacturing Company, West Orange, N. J. Filed Aug. 3, 1951.

MENDOW

For Staples for Stapling Machines.
Claims use since Oct. 12, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 585,996. General Motors Corporation, Detroit, Mich. Filed Oct. 8, 1949.

ABRI-CAST

The word "Cast" is disclaimed.
For Ferrous and Non-Ferrous Metal Castings Made by Permanent, Semi-Permanent and Expendable Mold Processes, and by Die Casting Processes.
Claims use since July 27, 1949.

Ser. No. 590,090. Lead Alloy Products Co., Detroit, Mich. Filed Dec. 29, 1949.

BONDALOY

For Preformed Solder Shapes (for Assembly With Parts To Be Soldered Prior to the Application of Heat).
Claims use since Oct. 31, 1949.

Ser. No. 595,482. Universal-Cyclops Steel Corporation, Bridgeville, Pa. Filed Apr. 8, 1950.

PROVENWELD

For Composite Metal Products of Fusion Welded Construction Such as Blanks for Hack Saw Blades, Chain Saw Teeth and Inserted Saw Teeth.
Claims use since Mar. 22, 1950.

Ser. No. 596,571. The Geometric Stamping Company, Cleveland, Ohio. Filed Apr. 29, 1950. (Sec. 2f.)

GEOMETRIC

For Metal Stampings for General Use in the Industrial Arts.
Claims use since Mar. 20, 1915.

Ser. No. 600,822. The Defiance Automatic Screw Company, Defiance, Ohio. Filed July 18, 1950.

DAS

Applicant claims ownership of Registration No. 516,786.
For All Types of Steel and Alloy Steel Components To Be Assembled in Finished Articles and Produced by Forging, Stamping, and Cutting.
Claims use since March 1943.

Ser. No. 602,294. I. Stern & Co., Inc., Mount Vernon, N. Y. Filed Aug. 16, 1950.

ISCO

The trade-mark consists of the letters "I S Co" enclosed in brackets. Applicant claims ownership of Registration No. 245,876.
For Jewelers' Gold, Jewelers' Solders, Rolled Gold Plate, Solder Flushed Gold Sheet, and Solder Flushed Rolled Gold Plate; Also Seamless Wire, Including Solder Filled Gold Wire, Solder Filled Gold Plated Wire, Solder Flushed Gold Wire, and Solder Flushed Gold Plated Wire.
Claims use since Jan. 3, 1928.

Ser. No. 607,278. The American Brass Company, Waterbury, Conn. Filed Dec. 5, 1950.

FORMBRITE

For Brass.
Claims use since Sept. 7, 1950.

Ser. No. 607,289. Heppenstall Company, Pittsburgh, Pa. Filed Dec. 5, 1950.

PRES-NEAL

Applicant claims ownership of Registration No. 423,920.
For Annealed Hot-Worked Alloy Die Steel.
Claims use since Oct. 20, 1950.

Ser. No. 607,502. The Indiana Steel Products Company, Valparaiso, Ind. Filed Dec. 9, 1950.

HYFLUX

Applicant claims ownership of Registration No. 127,010.
For Permanent Magnet Alloys.
Claims use since June 1, 1950.

Ser. No. 607,503. The Indiana Steel Products Company, Valparaiso, Ind. Filed Dec. 9, 1950.

MAGNALLOY

For Magnetic Alloys.
Claims use since Aug. 4, 1950.

Ser. No. 608,691. Acme Backing Corporation, Brooklyn, N. Y. Filed Jan. 12, 1951.

ACMEFLEX

Applicant claims ownership of Registration No. 294,893.
For Packaging Material Consisting of Aluminum Foil.
Claims use since January 1945.

Ser. No. 610,197. United States Steel Company, Pittsburgh, Pa. Filed Feb. 16, 1951.

FREMAX

For Steel Plates.
Claims use since July 31, 1950.

Ser. No. 610,714. Product Engineering and Manufacturing Corporation, Bridgeman, Mich. Filed Mar. 1, 1951.

PEMCO

For Die-Castings.
Claims use since October 1947.

Ser. No. 612,805. International Harvester Company, Chicago, Ill. Filed Apr. 18, 1951.

CONTOUR

For Unfinished Ferrous Castings, Specifically Castings for Parts of Refrigerators, Farm Implements, Motor Trucks, Farm Tractors, and Dairy Equipment.
Claims use since Mar. 15, 1951.

Ser. No. 614,116. The Youngstown Sheet and Tube Company, Youngstown, Ohio. Filed May 19, 1951.

BUCKEYE

Applicant claims ownership of Registration No. 177,717.
For Wire.
Claims use since July 1933.

Ser. No. 614,922. Alpha Metals, Inc., Brooklyn, N. Y. Filed June 8, 1951.

ALPHALOY

Applicant claims ownership of Registration No. 527,348.
For Solder.
Claims use since Feb. 10, 1946.

Ser. No. 615,776. Inland Steel Company, Chicago, Ill. Filed June 27, 1951.

TI-CO

For Galvanized Steel Sheets.
Claims use since May 5, 1951.

Ser. No. 616,273. Atlantic Steel Company, Atlanta, Ga. Filed July 10, 1951.

DIXISTEEL

Applicant claims ownership of Registration No. 543,753.
For Metal Angles and Bars of Various Cross Sections and Metal Bands, Bevelled Bars, Channelled Rods, Hoop Steel, Reinforcing Bars, Round Edge Metal Tires, Saw Blade and Stalk Cutter Steel, T-Shaped Girders, Bolt, Nut and Rivet Steel, Metal Compress Bands, Annealed Wire, Bright Wire, Coppered Wire, Wire Rods, Galvanized Wire, Bed Spring Wire, Coat Hanger Wire, Metal Welding Rods, Metal Ground Rods and Other Metal Forgings and Stampings.
Claims use since Nov. 1, 1950.

CLASS 15

OILS AND GREASES

Ser. No. 596,750. The Robert T. Pollock Corporation, New York, N. Y. Filed May 2, 1950.

POLYTANE

For Liquid Hydrocarbon Diesel Fuels.
Claims use since Apr. 13, 1950.

Ser. No. 612,111. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed Apr. 2, 1951.

TIGER-LUBE

For Wire Rope Lubricant.
Claims use since Mar. 5, 1942, as to the mark shown; and since 1935 as to "Tiger."

Ser. No. 614,696. Georgia-Carolina Oil Company, Macon, Ga. Filed June 4, 1951.

BEN BOY

For All-Purpose Lubricating Grease.
Claims use since Jan. 17, 1951.

Ser. No. 614,729. Signal Oil Company, Los Angeles, Calif. Filed June 4, 1951.

SIGNAL GO PRODUCTS

The word "Products" is disclaimed. Applicant claims ownership of Registrations Nos. 287,715, 294,435, 298,826, 535,783, and 538,322.
For Fuel Oil, Road Oil, Stove Oil, Diesel Oil, Motor Fuels, Kerosene, Lubricating Oil, and Greases Derived From Petroleum.
Claims use since March 1933.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 576,483. Roscoe A. Duncan, Cedartown, Ga. Filed Apr. 1, 1949.

3N

For Rubbing Liniment for the Human Body and for Animals on Exposed Parts Except Eyes, and Containing Camphor, Capsicum, Citronella, Cajeput, Spikenard, Alkanet, and Isopropinol.
Claims use since Aug. 19, 1948.

Ser. No. 590,676. The S. E. Massengill Company, Bristol, Tenn. Filed Jan. 11, 1950.

BIROCOP

For Pharmaceutical Preparation Containing Iron, Copper, and Members of the B Complex, for the Treatment of Anemia.
Claims use since Nov. 26, 1947.

Ser. No. 593,331. Casimir Funk Laboratories, Inc., New York, N. Y. Filed Mar. 3, 1950.

ISAMIN-C

The letter "C" is disclaimed.
For Medicinal Preparation Used To Counteract Allergic Phenomenon and Colds.
Claims use since Feb. 14, 1950.

Ser. No. 598,688. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed June 6, 1950.

TROPHITE

For Vitamin Preparation.
Claims use since Feb. 1, 1950.

Ser. No. 600,315. American Cyanamid Company, New York, N. Y. Filed July 7, 1950.

VARIZYME

For Enzyme Preparation for the Treatment of Draining Sinuses, Osteomyelitis, Infected Wounds or Ulcers, Hemothorax, Hematoma, Empyema, Otitis Media, and as an Adjunct to Surgical Intervention.
Claims use since May 19, 1950.

Ser. No. 600,317. American Cyanamid Company, New York, N. Y. Filed July 7, 1950.

MONOZYME

For Enzyme Preparation for the Treatment of Draining Sinuses, Osteomyelitis, Infected Wounds or Ulcers, Hemothorax, Hematoma, Empyema, Otitis Media, and as an Adjunct to Surgical Intervention.
Claims use since May 19, 1950.

Ser. No. 601,694. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed Aug. 3, 1950.

PRINTANE

For Vitamin Preparation.
Claims use since Jan. 12, 1950.

Ser. No. 604,655. Morton Manufacturing Corp., doing business under the name and style of Snow White Products Co., Lynchburg, Va. Filed Oct. 9, 1950.

HAP

For Antiseptic Treatment for Hair and Scalp.
Claims use since Aug. 21, 1950.

Ser. No. 604,740. Chas. Pfizer & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc., a corporation of Delaware. Filed Oct. 11, 1950.

COMBIOTICO

For Antibiotic Preparation.
Claims use since Sept. 2, 1950.

Ser. No. 607,504. Laboratoires Darrasse-Darmex (par abréviation Labodar) Societe a Responsabilite Limitee, Nanterre (Seine), France. Filed Dec. 9, 1950.

EUPNINE VERNADE

The word "Vernade" is disclaimed. Applicant claims ownership of Registration No. 271,530.
For Solution of Iodine and Caffeine Used as a Heart Stimulant To Increase Intravascular Pressure, To Check Dyspnea, and To Promote Diuresis.
Claims use since 1920 in France; and in commerce between France and the United States since 1920.

Ser. No. 608,024. Howard John Terwilliger, doing business as H. John Terwilliger Productions, Kingston, N. Y. Filed Dec. 22, 1950.



For Veterinary Medicinal Preparation for Treatment of Cow Pox.
Claims use since Sept. 5, 1950.

Ser. No. 611,249. E. R. Squibb & Sons, New York, N. Y. Filed Mar. 13, 1951.

INTRANESTYL

For Preparation for the Treatment of Cardiac Arrhythmias.
Claims use since Feb. 19, 1951.

Ser. No. 611,368. Chas. Pfizer & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc., a corporation of Delaware. Filed Mar. 15, 1951.

RIMOCIDIN

For Antibiotic Preparation.
Claims use since Mar. 1, 1951.

Ser. No. 612,470. The Panray Corp., New York, N. Y. Filed Apr. 10, 1951.

KOGLUKATE

For Pharmaceutical Preparation for Use To Restore Normal Fat Metabolism and Aid in Cholesterol Metabolism and the Assimilation of Fats, and in Liver Disfunctions, Gastric and Intestinal Peristalsis, as an Aid in Arterio-Hypertension, Intestimal Paresis, Tachycardia, and Gangrene, and in the Prevention of Arterio, Sclerosis and Liver Damage, and To Increase Salivary, and Other Secretions, and Stimulate the Vagus.
Claims use since Feb. 8, 1951.

Ser. No. 612,636. Thyoquent Laboratories, Inc., Paterson, N. J. Filed Apr. 13, 1951.

Thyoquent

For Medicated Preparation for Treatment of Various Skin Disorders.
Claims use since Mar. 30, 1951.

Ser. No. 613,770. Del-O Company, St. Paul, Minn. Filed May 11, 1951.

100X

For Analgesic for the Relief of Muscular Aches and Pains.
Claims use since Apr. 9, 1951.

Ser. No. 613,779. The Maltine Company, Morris Plains, N. J. Filed May 11, 1951.

INTRAPLAST

For Medicinal Preparation for the Control of Hemorrhage.
Claims use since Apr. 25, 1951.

Ser. No. 613,812. Geigy Company, Inc., New York, N. Y. Filed May 12, 1951.

BUTAZOLIDIN

For Anti-Rheumatic, Analgesic, and Anti-Pyretic Preparation.
Claims use since Apr. 23, 1951.

Ser. No. 613,813. Geigy Company, Inc., New York, N. Y. Filed May 12, 1951.

BUTAPYRIN

For Anti-Rheumatic, Analgesic, and Anti-Pyretic Preparation.
Claims use since Apr. 23, 1951.

Ser. No. 614,279. Abbott Laboratories, North Chicago, Ill. Filed May 24, 1951.

ISOLYN

For Muscle Relaxant.
Claims use since May 17, 1951.

Ser. No. 614,335. George A. Breon & Company, New York, N. Y. Filed May 25, 1951.

MERTESTATE

For Androgenic Hormone Preparation.
Claims use since Jan. 9, 1951.

Ser. No. 614,417. Ames Company, Inc., Elkhart, Ind. Filed May 28, 1951. (Sec. 2f as to "Ames.")

Applicant claims ownership of Registration No. 501,353.
For Medicines and Pharmaceutical Preparations—Namely, Sedatives, Anesthetics, Barbiturates, Analgesics and Antipyretics, Salicylate With Alkali Buffers, Hydrocholeretics, Cholagogues and Choleretics, Laxatives, Effervescent Alkalizing Preparations and Diuretics; Preparations for Testing the Velocity of the Blood Flow; Reagent Tablets for Testing for Occult Blood, Albumen, Urine Sugar and Ketone Bodies.
Claims use since Mar. 31, 1949.

Ser. No. 614,437. The Grove Laboratories, Inc., St. Louis, Mo. Filed May 28, 1951. (Sec. 2f.)

Grove's

Applicant claims ownership of Registrations Nos. 46,355, 46,394, and others.
For Medicinal Preparations for the Relief of Colds, Headaches, Fevers, Nasal Congestion, and Muscular Aches and Pains; Anti-Histamine Cold Tablets; Vitamin Tablets, and Chill Tonics.
Claims use since June 1, 1887.

Ser. No. 614,480. Amigo Associates, Houston, Tex. Filed May 29, 1951.

AMIGO

For Medicinal Preparation Offered for the Relief of the Paroxysms of Asthma.
Claims use since Mar. 3, 1951.

Ser. No. 614,483. Ayerst, McKenna & Harrison Limited, Rouses Point, and New York, N. Y. Filed May 29, 1951.

BEMOTINIC

For Vitamins and Iron in Combined Dosage Form.
Claims use since Mar. 28, 1951.

Ser. No. 614,616. Ciba Limited, Basel, Switzerland. Filed June 1, 1951.

ANTENYL

Applicant claims ownership of Swiss Registration No. 134,496, dated July 25, 1950.
For Anti-Ulcus Preparations.

Ser. No. 614,618. Ciba Limited, Basel, Switzerland. Filed June 1, 1951.

PENDIOMID

Applicant claims ownership of Swiss Registration No. 134,994, dated Sept. 14, 1950.
For Ganglionic Blocking Agents.

CLASS 19

VEHICLES

Ser. No. 535,111. L. A. Young Spring and Wire Corporation, Detroit, Mich. Filed Sept. 19, 1947.

Select-O-Seat

The word "Seat" is disclaimed.
For Motor Vehicle Seat and Back Spring Cushions and Spring Cushion Assemblies and Coiled Springs Therefor.
Claims use since Sept. 1, 1947.

Ser. No. 600,544. The Glenn L. Martin Company, Baltimore and Middle River, Md. Filed July 12, 1950. (Sec. 2f.)

Martin

Applicant claims ownership of Registration No. 400,405.
For Airplanes and Structural Parts Thereof.
Claims use since Nov. 22, 1946, on the mark as shown; and since November 1914 on the word "Martin."

Ser. No. 604,262. Husqvarna Vapenfabrika Aktiebolag, Huskvarna, Sweden. Filed Sept. 30, 1950.

Husqvarna

The word "Husqvarna" is disclaimed.
For Bicycles.
Claims use since July 1, 1944; and first used in commerce between foreign nations and the United States on Apr. 30, 1950.

Ser. No. 611,267. General American Transportation Corporation, Chicago, Ill. Filed Mar. 14, 1951.

GAEX-DF

For Railway Freight Cars.
Claims use since Feb. 23, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 582,058. W. & J. Sloane, New York, N. Y. Filed July 15, 1949.

The House of Years

The mark consists of the words "The House of Years" and design.
For Electric Lamps (Including Shades Therefor), Lighting Fixtures, Chandeliers, Wall and Ceiling Lights.
Claims use since Oct. 24, 1933.

Ser. No. 582,129. Electronic Secretary Industries, Inc., Milwaukee, Wis. Filed July 18, 1949.

ELECTRONIC SECRETARY

The word "Electronic" is disclaimed.
For Telephone Answering Apparatus and Electronic Sound Recording and Reproducing Apparatus for Use Therewith.
Claims use since May 28, 1949.

Ser. No. 583,560. The Strong Electric Corporation, Toledo, Ohio. Filed Aug. 16, 1949.

MOGUL

For Electric Projection Lamps, Electric Rectifiers, and Parts Thereof.
Claims use since Sept. 16, 1935.

Ser. No. 585,243. The Mercoid Corporation, Chicago, Ill. Filed Sept. 23, 1949.

MERCONTROL

For Controlling Devices, Employing Electric Circuit Controlling Switches—Namely, Vacuum Operated Electric Switches, Pressure Operated Electric Switches, Float Operated Electric Switches, Mechanically Operated Electric Switches and Magnetically Operated Eletric Switches, and Parts Thereof Including Mercury Switches.
Claims use since July 1, 1949.

Ser. No. 594,155. United States Steel Corporation, New York, N. Y. Filed Mar. 17, 1950.

USS

For Electric Wire Cable and Rail Bonds; and Electric Furnaces.
Claims use since 1937.

Ser. No. 596,101. Lear, Incorporated, Grand Rapids, Mich. Filed Apr. 21, 1950.

MAGNADRIVE

For Electromagnetic Clutches.
Claims use since March 1950.

Ser. No. 600,393. Northern Signal Company, Milwaukee, Wis. Filed July 8, 1950.

OPTRIX

For Decorative and Animated Lighting Displays Consisting of Intermittently Illuminated Electric Lamps on Portable Lamp Cords.
Claims use since June 21, 1950.

Ser. No. 605,149. Edi Products Inc., Brooklyn, N. Y. Filed Oct. 19, 1950.

Dri-Electronic

The letters "Dri" and the word "Electronic" are disclaimed.
For Electrically Operated Drying Apparatus.
Claims use since Feb. 9, 1950.

Ser. No. 605,556. The W. L. Maxson Corporation, New York, N. Y., assignor to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States. Filed Oct. 28, 1950.

ADAPTAPLATE

For Supporting Bases for Switch Actuating Elements.
Claims use since June 1947.

Ser. No. 606,234. Ohmite Manufacturing Company, Chicago, Ill. Filed Nov. 10, 1950.

DETERM-OHM

The term "Ohm" is disclaimed.
For Electrical Circuit Control Elements—Namely, Resistors.
Claims use since December 1932.

Ser. No. 606,425. Hi-Lo TV Antenna Corp., Chicago, Ill. Filed Nov. 15, 1950.



The depiction of the goods is disclaimed.
For Indoor Antennas for Television Receivers.
Claims use since Dec. 15, 1948.

Ser. No. 607,199. Scott Radio Laboratories, Inc., Chicago, Ill. Filed Dec. 1, 1950. (Sec. 2f.)

SCOTT

Applicant claims ownership of Registrations Nos. 504,826 and 296,757.
For Television Receiving Sets.
Claims use since July 1948.

Ser. No. 608,430. Olympic Radio & Television Inc., Long Island City, N. Y. Filed Jan. 3, 1951.



The mark consists of a puppet bearing the inscription "Torchy! Olympic America's Favorite Television." The facial representation of the puppet is fanciful. The words "America's Favorite Television" are disclaimed.
For Television Receiving Sets.
Claims use since Dec. 1, 1950.

Ser. No. 608,506. Manufacturers Battery Company, Madison, Wis. Filed Jan. 8, 1951.



The mark consists of the letters "MBC" within a circle and a design of a bull.
For Dry Cells and Dry Cell Batteries.
Claims use since Oct. 17, 1949.

Ser. No. 608,507. Manufacturers Battery Company, Madison, Wis. Filed Jan. 8, 1951.



The mark consists of the letters "MBC" within a circle.
For Dry Cells and Dry Cell Batteries.
Claims use since Oct. 2, 1946.

Ser. No. 609,926. Industrial Starter Corporation, New York, N. Y. Filed Feb. 10, 1951.

Sentry

For Fluorescent Lamp Starters.
Claims use since May 2, 1947.

Ser. No. 612,885. Affiliated Retailers, Inc., New York, N. Y. Filed Apr. 20, 1951.

Armaid

For Electrical Stoves, Electric Vacuum Cleaners, Electric Portable and Cabinet Irons, Electric Fans, Electric Waffle Grills, Electric Sandwich Grills, Electric Toasters, Electric Hair Dryers, Electric Fire Logs, Electric Blankets, and Electric Mixers, Electric Irons, Electric Percolators, Electric Roasters, Electric Waffle Irons, Electric Heating Pads.
Claims use since June 22, 1948.

Ser. No. 613,896. B & B Engineering Corporation, Norwood, La. Filed May 16, 1951.

PENTEFOLD

For Fire Alarm Telegraph Boxes for Interior and Exterior Use, Switchboards and Recording Instruments and Code Sending Transmitters for Fixed Code Fire Alarm Systems, Electric Telegraph Control Switchboards Used for Controlling Varying-Code Fire Alarm Telegraph Systems, and Manual and Automatic Code Transmitters for Formulating and Transmitting Various Codes Over Telegraph Systems.
Claims use since Nov. 21, 1948.

Ser. No. 614,138. Globe-Union Inc., Milwaukee, Wis. Filed May 21, 1951.

AMPEC

For Electronic Audio-Amplifier Units Comprising Electrically Connected Tube Sockets, Capacitors and Resistors Fixedly Secured Upon a Base Plate of Ceramic Material.
Claims use since March 1947.

Ser. No. 614,139. Globe-Union Inc., Milwaukee, Wis. Filed May 21, 1951.

AUDET

For Electronic Audio-Detector Units for A. C.-D. C. Radio Receiver Output Stages, Comprising Electrically Connected Capacitors and Resistors Bonded to a High Dielectric Ceramic Base Plate.
Claims use since July 1949.

Ser. No. 614,140. Globe-Union Inc., Milwaukee, Wis. Filed May 21, 1951.

FILPEC

For Balanced Diode Load Filter Units for Use in Electronic Circuits Comprising Electrically Connected Resistor and Capacitors Bonded to a High Dielectric Ceramic Base Plate.
Claims use since July 1947.

Ser. No. 616,113. Marshall-Wells Company, Duluth, Minn. Filed July 5, 1951. (Sec. 2f.)

LINCOLN

For Electric Storage Batteries and Electric Dry Cells.
Claims use since Jan. 1, 1922.

Ser. No. 618,529. Barker Poultry Equipment Co., Ottumwa, Iowa. Filed Sept. 8, 1951. (Sec. 2f.)

BARKER

Applicant claims ownership of Registration No. 528,573.
For Electro-Bleed Machines (for Killing Poultry).
Claims use since 1925.

Ser. No. 618,573. Garod Radio Corporation, New York, N. Y. Filed Sept. 10, 1951.

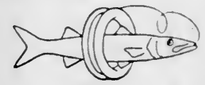
Majestic
MIGHTY MONARCH OF THE AIR

Applicant claims ownership of Registrations Nos. 224,670, 224,671, and others.
For Radio Receiving Sets, Television Receiving Sets, Automatic Phonographs, and Combinations of Any of Them.
Claims use since December 1923.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 573,770. The Handicast Company, Cleveland, Ohio. Filed Feb. 12, 1949.



The representation of the goods is disclaimed.
For Hand-Held Fishing Reel.
Claims use since Jan. 28, 1949.

Ser. No. 593,605. Minn-Oxy, Inc., Minneapolis, Minn. Filed Mar. 8, 1950.

OXY

For Bait Preserving Device Having Means for Generating Oxygen and Dispersing It in the Water Used for Keeping Live Fishing Bait.
Claims use since Jan. 11, 1950.

Ser. No. 594,815. Tacoma Metal Products Company, Tacoma, Wash. Filed Mar. 28, 1950.

Susie's

For Toy Electric Stoves.
Claims use since Mar. 1, 1950.

Ser. No. 598,439. Stream-Eze, Inc., South Bend, Ind. Filed June 1, 1950.

STREAM-EZE

For Fishing Tackle—Namely, Casting Rods, Fly Rods, Spinning Rods, Trolling Rods, Ice-Fishing Rods, Landing Nets, Trout Nets, Angler's Net Fish Sacks, Artificial Fish Lures, Tackle Boxes, and Sinkers.
Claims use since May 20, 1947.

Ser. No. 608,401. Kaufzky Manufacturing Company, Fort Dodge, Iowa. Filed Dec. 18, 1950.

"APPETITE"

For Artificial Edible Fish Bait.
Claims use since Apr. 10, 1922.

Ser. No. 621,247. Interstate Bedding Company, Chicago, Ill. Filed Nov. 20, 1951.

ARTIK

For Sleeping Bags for Outdoor Use.
Claims use since Oct. 1, 1951.

CLASS 23

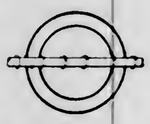
CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 480,949. Chas. Drexler Co. Inc., Indianapolis, Ind. Original filed, act of 1905, Mar. 15, 1945; amended to application under act of 1946, Principal Register, May 18, 1948.



For Gears of Various and Special Types, Angle Fixtures for Small Machine Tools, Such as Drills, Stoker Transmission Assemblies and Parts for Same, Metal Working Tools, and Special Mechanical Shafting With Any of the Aforesaid.
Claims use since July 1, 1942.

Ser. No. 527,542. Rotary Seal Company, Chicago, Ill. Filed July 5, 1947.



For Shaft Seals for Compressors, Pumps, Fluid Motors, and Other Shafted Equipment.
Claims use since Nov. 1, 1937.

Ser. No. 527,577. Rotary Seal Company, Chicago, Ill. Filed July 5, 1947.



For Shaft Seals for Compressors, Pumps, Fluid Motors, and Other Shafted Equipment.
Claims use since Apr. 2, 1947.

Ser. No. 547,437. Farm and Ranch, Inc., Kansas City, Mo. Filed Jan. 19, 1948.

Lazy Boy



For Power Mowers.
Claims use since Aug. 15, 1947.

Ser. No. 553,813. California Saw Works, San Francisco, Calif. Filed Apr. 5, 1948.

SUPER STEEL
CALIFORNIA SAW WORKS
SAN FRANCISCO

The words "Super Steel-California Saw Works-San Francisco" are disclaimed.
For Knives and Cutters Used in Power Driven Machines.
Claims use since 1934.

Ser. No. 558,972. Towlsaver, Inc., Los Angeles, Calif. Filed June 10, 1948. (Sec. 2f.)

Towlsaver

Applicant claims ownership of Registrations Nos. 303,323, 420,432, and 437,874.
For Paper Towel Dispensing Machines Which Are Sold, Leased or Loaned for Use While Empty for Filling With Towel Sheets by Users.
Claims use since June 13, 1932.

Ser. No. 569,547. J. R. Wood, doing business under the fictitious firm name of Keystone File Sharpening Co., Los Angeles, Calif. Filed Nov. 27, 1948.

TRU-VIX

The notation "Tru" is disclaimed.
For New and Re-Sharpened Files.
Claims use since November 1928.

Ser. No. 573,797. Fred Rowe, doing business as Rowe Machine Works, Seattle, Wash. Filed Feb. 12, 1949.

TIMBER KING

The word "Timber" is disclaimed.
For Donkey-Engines for Yarding and Loading Logs and Driven by Internal Combustion Powered Prime Movers.
Claims use since June 1, 1948.

Ser. No. 581,202. Omega Machine Company, Providence, R. I. Filed June 28, 1949.



For Lime Slaker.
Claims use since September 1932.

Ser. No. 589,349. Vital Products Manufacturing Company, Cleveland, Ohio. Filed Dec. 14, 1949.

AUTO-CALKER

The word "Calker" is disclaimed.
For Gun-Type Hand Tool for Dispensing Plastic Material, Such as Calking Compound.
Claims use since Sept. 13, 1949.

Ser. No. 590,759. William A. Priebe, doing business as E-Z Mark Tools, Los Angeles, Calif. Filed Jan. 12, 1950.

E-Z MARK

For Carpenter's Hand Tool Used in Cutting, in Proper Profile and Depth, the Countersink Space for the Setting of Butt Hinges.
Claims use since Oct. 1, 1946.

Ser. No. 596,742. C. M. McClung & Co., Inc., Knoxville, Tenn. Filed May 2, 1950. (Sec. 2f.)

KEENEREDGE

Applicant claims ownership of Registration No. 398,568.
For Grass Hooks, Pocket Knives, Nail Hammers, Dirt Shovels, Lawn Mowers, and Edged Tools — Namely, Hatchets, Chisels, Planes, Axes, Adzes, Mattocks, Scythes, and Picks.
Claims use since Feb. 5, 1941.

Ser. No. 596,780. Dakota Steel Products Co., Sioux Falls, S. Dak. Filed May 3, 1950.

Cultispray

The word "Spray" is disclaimed.
For Insecticide Sprayers, in the Nature of Attachments for Cultivators.
Claims use since Sept. 1, 1948.

Ser. No. 601,595. Blast Machine Co., Philadelphia, Pa. Filed Aug. 2, 1950.

"Little GIANT"

For Portable Wheeled Sand-Blasting Machines Intended To Be Connected to a Source of Compressed Air and Adapted To Blow Sand From a Closed Tank Forming a Part Thereof.
Claims use since Apr. 22, 1950.

Ser. No. 601,596. R. H. Bouligny, Inc., Charlotte, N. C. Filed Aug. 2, 1950.

MOLSANDER

For Power Driven Sanding Machines for Wood Moulding and the Like.
Claims use since Oct. 17, 1949.

Ser. No. 604,591. Niles-Bement-Pond Company, West Hartford, Conn. Filed Oct. 7, 1950. (Sec. 2f.)

KELLER

For Tracer Controlled Duplicating Machines.
Claims use since May 1934.

Ser. No. 605,551. Fratelli Borletti Società Per Azioni, Milan, Italy. Filed Oct. 28, 1950.



Applicant claims ownership of Italian Registration No. 71,845, dated Nov. 30, 1945.
For Sewing Machines.

Ser. No. 605,700. Curlator Corporation, Rochester, N. Y. Filed Oct. 18, 1950.

RANDO-WEBBER

The surname "Webber" is disclaimed.
For Textile Machinery, and More Specifically, Machinery for Forming Non-Woven Textile Fiber Webs.
Claims use since Sept. 28, 1950.

Ser. No. 607,637. The Pad-Y-Wax Company, Inc., New York, N. Y. Filed Dec. 13, 1950.

VOL-PAK

The term "Pak" is disclaimed.
For Packaging Machines.
Claims use since Oct. 4, 1950.

Ser. No. 608,569. Sargent & Company, New Haven, Conn. Filed Jan. 9, 1951.

Golden Cutter

The word "Cutter" is disclaimed.
For Carpenters' Planes.
Claims use since Sept. 1, 1950.

Ser. No. 608,739. Jesse S. Belond, doing business as Southern California Muffler Company, Culver City, Calif., assignor to Southern California Muffler Company, Culver City, Calif. Filed Jan. 13, 1951.

EQUA-FLOW

The word "Flow" is disclaimed.
For Automotive Exhaust Systems and Parts Therefor—Namely, Exhaust Headers, Mufflers, Extensions Between Exhaust Headers and Mufflers, Tail Pipes, and Gaskets, Bolts and Clamps for Inter-Connecting Said Parts Sold as a Unit.
Claims use since March 1950.

Ser. No. 610,084. Markt & Hammacher Company, New York, N. Y. Filed Feb. 14, 1951.

HERO

Applicant claims ownership of Registrations Nos. 83,503 and 170,476.
For Automotive Engine Parts—Namely, Automobile Pistons, Piston Pins, Pin Bushings, Valves, Valve Guides, Valve Springs, Valve Stem Keys, Water Pumps.
Claims use since Feb. 1, 1951.

Ser. No. 611,392. Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Filed Mar. 16, 1951.

FOUNDROMATIC

For Mechanical Agitators.
Claims use since Apr. 28, 1950.

Ser. No. 611,424. Heli-Coil Corporation, Danbury, Conn. Filed Mar. 16, 1951.



The representation of the wire coil is disclaimed.
For Tools and Machines and Parts Thereof for Use in Screw Connections—Namely, Screw-Thread-Tapping Tools, Coiling Machines for Wire Thread Inserts, Tools for Inserting and Extracting Wire Thread Bushings, Staking Tools for Securing Thread Bushings in Boss Members, Reamers, Stud Drivers and Extractors.
Claims use since Feb. 16, 1951.

Ser. No. 612,965. Diehl Manufacturing Company, Bridgewater, N. J., and New York, N. Y. Filed Apr. 21, 1951. (Sec. 2f.)



Applicant claims ownership of Registration No. 49,433.
For Electric Bench Grinders.
Claims use since August 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 578,297. Madison H. Tracy, doing business as National Auto Glass Specifications, Detroit, Mich. Filed May 5, 1949.



The words "Foto" and "Patterns" and the representation of the goods are disclaimed.
For Photographic Film for Displaying Patterns and Drawings.
Claims use since Mar. 11, 1949.

Ser. No. 594,858. Paragon Electric Company, Two Rivers, Wis. Filed Mar. 29, 1950.

D-FROST-O MATIC

The expression "D-Frost" is disclaimed.
For Synchronous Electric Motor Operated Time Control Switch Which Causes an Electric Refrigerator To Defrost by Controlling the Current Thereto.
Claims use since July 7, 1949.

Ser. No. 602,189. Knut A. Biom, Lakewood, Ohio. Filed Aug. 15, 1950.

SCALE-A-JUST

The word "Scale" is disclaimed.
For Mathematical Computing Devices of the Nature of a Slide Rule, for Making Computations Required in the Mechanical Correction of Weighing Scales.
Claims use since Feb. 6, 1950.

Ser. No. 603,344. Imperial Optical Company Ltd., Toronto, Ontario, Canada. Filed Sept. 6, 1950.

MONOSTEP

Applicant claims ownership of Canadian Registration No. NS35,917, dated Feb. 22, 1950.
For Flat Top Bifocal Ophthalmic Lenses.

Ser. No. 606,379. Hanau Engineering Company, Inc., Buffalo, N. Y. Filed Nov. 14, 1950.

TOUCH-O-MATIC

For Bunsen Burners Used for Heating Objects and Materials in Laboratories, Such as Flasks, Wax and the Like.
Claims use since Oct. 6, 1950.

Ser. No. 609,703. E. O. Schweitzer Manufacturing Co., Inc., Northbrook, Ill. Filed Feb. 6, 1951.

LINAM

For Live Line Ammeter.
Claims use since Oct. 11, 1950.

Ser. No. 612,013. Globe Slicing Machine Co., Inc., Stamford, Conn. Filed Mar. 30, 1951.



The representation of the globe is disclaimed.
For Computing Commodity Scales for Weighing Food Commodities and the Like.
Claims use since Mar. 20, 1951.

Ser. No. 613,085. Reinhart & Company, Hanford, Calif. Filed Apr. 24, 1951.

NTH POINT

For Gauge Operating Electrically to Indicate the Moisture Content of Fluid or Semi-Fluid Masses.
Claims use since Aug. 18, 1950.

Ser. No. 614,418. Ames Company, Inc., Elkhart, Ind. Filed May 28, 1951. (Sec. 2f as to "Ames.")



Applicant claims ownership of Registration No. 501,353.
For Diagnostic Kits—Namely, Reagent Tablets for Urine Sugar, Albumin, Occult Blood and Ketone Bodies, Color Scales, Medicine Droppers, Test Tubes, and Plastic Containers Therefor.
Claims use since Sept. 30, 1949 as to the mark shown, and since Dec. 16, 1946 as to the mark "Ames."

Ser. No. 615,984. Walter Lantz Productions, Inc., Hollywood, Calif. Filed July 2, 1951.

Walter Lantz "CARTUNE"

The name "Walter Lantz" is the name of the president of the applicant corporation.
For Series of Motion Picture Photoplays.
Claims use since 1937.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 599,425. The Ellmore Silver Co., Inc., Meriden, Conn. Filed June 20, 1950.

ROSE IN THE VINE

The word "Rose" is disclaimed.
For Sterling Silver Flatware and Hollowware.
Claims use since May 11, 1950.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 608,324. Piedmont Mop Company, Incorporated, Charlotte, N. C. Filed Jan. 3, 1951.

PIEDMONT

For Mops and Mop Heads Made From Strands of Fibrous Textile Material.
Claims use since Nov. 10, 1950.

Ser. No. 613,233. Parker Manufacturing Company, Warren, Ohio. Filed Apr. 27, 1951.

COLLEEN

Applicant claims ownership of Registration No. 283,048.
For Mops.
Claims use since Nov. 12, 1930.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 598,519. L. Batlin & Son, Inc., New York, N. Y. Filed June 3, 1950.



For Dinnerware, Tableware, Kitchenware, Dishes, Urns, Cereal Sets, Bowls, and Vases, Made of China, Crockery, Porcelain, Earthenware, and Ceramic Materials.
Claims use since Jan. 5, 1950.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 609,931. Klemm Automotive Products Company, Chicago, Ill. Filed Feb. 10, 1951.

Chemistone

For Filter Elements, Such as Porous Cups of Lightly Cemented Granular Material, for Filtering Fuel Oil, Gasoline, Chemicals, Pharmaceuticals, Wine and Compressed Air.
Claims use since Jan. 3, 1933.

Ser. No. 615,803. Stover Water Softener Company, St. Charles, Ill. Filed June 27, 1951. (Sec. 2f.)

STOVER

Applicant claims ownership of Registration No. 205,181.
For Domestic and Industrial Tank Type Water Softeners and Filters Sold as Units; Tank Type Iron Removal Filters, Activated Carbon Filters, Acid Neutralizing Filters, Hydrogen Sulphide Removal Filters, and Quartz Sand Filters; and Portable Tank Type Water Softeners.
Claims use since Sept. 10, 1924.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 523,912. Massachusetts Mattress Company, Boston, Mass. Original filed, act of 1905, June 10, 1947; amended to application under act of 1946, Principal Register, Feb. 21, 1949.

REX
FALMOUTH

The name employed is fanciful and not that of any particular individual.
For Mattresses and Box Springs.
Claims use since 1941.

Ser. No. 588,225. I. Levy Sons, New York, N. Y. Filed Nov. 23, 1949.

SEAT-MOR
FOLDING GUEST TOP

The words "Folding Guest Top" are disclaimed.
For Auxiliary Folding Table Top.
Claims use since Sept. 27, 1949.

Ser. No. 603,645. Walter B. Pearce, Ambler, Pa. Original filed, act of 1946, Supplemental Register, Sept. 16, 1950; amended to application, Principal Register, Dec. 28, 1950.



The words "Walter B. Pearce Co." and "Ambler, Penna." are disclaimed.
For Folding High Chair.
Claims use since May 1, 1949.

Ser. No. 609,867. David M. Lea & Company, Incorporated, Richmond, Va. Filed Feb. 9, 1951. (Sec. 2f.)

LEA LINE LEADS

Applicant claims ownership of Registration No. 545,123.
For Furniture—Namely, Chests, Dressers, Chests of Drawers, Beds, and Vanities.
Claims use since Jan. 2, 1946.

Ser. No. 614,350. Koeppel Steel Products, Inc., Ossining, N. Y. Filed May 25, 1951.

FILEX

For Office Equipment Made From Steel, Wood, or Combinations Thereof—Namely, Desks, Bookcases, Portable Files, Desk Files, Filing Cabinets, and Storage Cabinets.
Claims use since Mar. 28, 1951.

CLASS 33

GLASSWARE

Ser. No. 610,846. Imperial Glass Corporation, Bellaire, Ohio. Filed Mar. 5, 1951.

PIE CRUST

For Glassware for Table, Culinary, Household, and Decorative Purposes, the Latter Being Vases, Urns, Flower Bowls, Epergne Sets, and Handled Baskets.
Claims use since Jan. 17, 1951.

Ser. No. 610,847. Imperial Glass Corporation, Bellaire, Ohio. Filed Mar. 5, 1951.

CROCHETED

For Glassware for Table, Culinary, Household, and Decorative Purposes, the Latter Being Vases, Urns, Flower Bowls, Epergne Sets, and Handled Baskets.
Claims use since Jan. 17, 1951.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 580,903. Romair, Inc., Lancaster, Pa. Filed June 22, 1949.

ROMAIR SYSTEM

The word "System" is disclaimed.
For Poultry House Heating and Ventilating Equipment—Namely, Hot Air Furnaces, Blowers, Exhaust Fans, Warm Air Ducts, and Outlet Funnels.
Claims use since Mar. 17, 1949.

Ser. No. 611,116. Jud Whitehead Heater Company, Oakland, Calif. Filed Mar. 9, 1951.



The word "Hydro" is disclaimed. The drawing is lined for silver and red.
For Gas Water Heaters.
Claims use since May 15, 1950.

Ser. No. 612,966. Diehl Manufacturing Company, Bridgewater, N. J., and New York, N. Y. Filed Apr. 21, 1951. (Sec. 2f.)

Diehl

Applicant claims ownership of Registration No. 49,433.
For Exhaust Fans.
Claims use since Apr. 1, 1946.

Ser. No. 613,859. American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Filed May 23, 1951.

SUNRAD

For Radiators.
Claims use since November 1938.

Ser. No. 616,185. Nichols Wire & Aluminum Co., Davenport, Iowa. Filed July 6, 1951.



For Furnace Fittings—Namely, Pipes, Elbows, and Angles.
Claims use since December 1935.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 611,542. Rockwell Manufacturing Company, Pittsburgh, Pa. Filed Mar. 19, 1951. (Sec. 2f as to "Rockwell.")

ROCKWELL r

Applicant claims ownership of Registrations Nos. 428,477, 428,478, and others.
For Packing for Rods Subjected to Fluid Pressure—Namely, for Valve Operating Stems, Stuffing Boxes, Expansion Joints, Piston Rods, and Operating Rods.
Claims use since Dec. 13, 1945.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 609,079. Decca Records, Inc., New York, N. Y. Filed Jan. 22, 1951.

Champion

Applicant claims ownership of Registration No. 407,772.
For Grooved Phonograph Records.
Claims use since June 28, 1935.

Ser. No. 616,770. Maxwell Meyers, Inc., San Antonio, Tex. Filed July 21, 1951.

PRINCETTI

For Piano Accordions.
Claims use since July 20, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 527,439. The Champion Paper and Fibre Company, Hamilton, Ohio. Filed July 5, 1947. (Sec. 2f.)

Satin Proof
ENAMEL

The word "Enamel" is disclaimed. Applicant claims ownership of Registration No. 271,755.
For Mineral Coated Paper Suitable for Printing.
Claims use since Jan. 31, 1923.

Ser. No. 548,672. Northern Paper Mills, Green Bay, Wis. Filed Feb. 3, 1948. (Sec. 2f.)

GASA

Applicant claims ownership of Registrations Nos. 262,563, 289,183, 305,506, and 424,264.
For Paper Products—Namely, Toilet Tissue.
Claims use since Mar. 19, 1932.

Ser. No. 558,051. Mill Agents and Distributors, Inc., Oakland, Calif. Filed May 28, 1948. (Sec. 2f.)

FRESH-WAXT

Applicant claims ownership of Registration No. 375,606.
For Paper—Namely, Waxed Sheets and Rolls.
Claims use since June 8, 1937.

Ser. No. 596,803. Rhinelander Paper Company, Rhinelander, Wis. Filed May 3, 1950. (Sec. 2f.)

SUPERGLAZE

Applicant claims ownership of Registrations Nos. 309,385 and 533,554.
For Supercalendered Sulphite Paper.
Claims use since Oct. 9, 1931.

Ser. No. 597,369. Loroco Industries, Inc., Reading, Ohio. Filed Apr. 17, 1950.

SHIRTAINER

For Combination Shirt Wrapper and Collar Support Fabricated From Paper.
Claims use since Oct. 1, 1949.

Ser. No. 606,184. Tension Envelope Corporation, Kansas City, Mo. Filed Nov. 9, 1950.

QUICK-OPE

The word "Quick" is disclaimed.
For Correspondence or Mailing Envelopes.
Claims use since Jan. 14, 1939.

Ser. No. 609,760. The Reynolds & Reynolds Company, Dayton, Ohio. Filed Jan. 27, 1951.

UAS

For Partially Printed or Blank Accounting Forms for Use in Accounting Systems—Namely, Blanks, Sheets, Leaves, Auxiliary Records, Indexes and Binders for Use in Accounting Systems, Including Journal, Ledger, and Record Leaves; Petty Cash Vouchers, Journal Vouchers, Petty Cash Envelopes, Inventory Cards and Sheets, Salesmen's Earning Records, Charts of Accounts, Instruction Manuals Sold Along With Forms, Distribution Journals, General Journals, Used Car Reconditioning Orders, Repair Orders, Blue Pencil Carbon Paper Interleaved With Paper, Check Register Leaves, Purchase Record Leaves, Stockroom Daily Sales Summary Leaves, Financial Statements, Deferred Expense Records, Extension Sheets, Purchase Orders, Receiving Slips, Sales Invoices, Credit Memorandums, Customers' Statements, Analysis of Notes and Accounts, Receivables Control Sheets, Stockroom Reports, Stock Requisitions, Return Stock Tickets, Time Tickets, Notes Receivable and Payable Books, Purchase Vouchers, Remittance Slips, Numbered Check Sheets, and Sheets and Forms for Use With Accounting Systems.
Claims use since November 1945.

Ser. No. 609,877. Nashua Gummed and Coated Paper Company, Nashua, N. H. Filed Feb. 9, 1951.

FARBEC

For Cover Paper Used Chiefly for Boxes and Paper Board.
Claims use since Jan. 10, 1951.

Ser. No. 611,163. West Disinfecting Company, Long Island City, N. Y. Filed Mar. 10, 1951.

WEST

The words "Disinfecting Company" are disclaimed. Applicant claims ownership of Registrations Nos. 257,156, 379,308, and others.
For Paper Towels.
Claims use since Dec. 1, 1950.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 533,351. National Guardsman Publishing Company, Washington, D. C., assignor to National Guard Association of the United States, Washington, D. C. Filed Sept. 4, 1947. (Sec. 2f.)

The NATIONAL GUARDSMAN

The drawing is lined for shading only.
For Monthly Magazine.
Claims use since Sept. 1, 1946.

Ser. No. 603,544. The Prairie Farmer Publishing Company, Chicago, Ill. Filed Sept. 14, 1950. (Sec. 2f as to "Prairie Farmer.")

PRAIRIE FARMER

Applicant claims ownership of Registration No. 226,027.
For Weekly Periodical.
Claims use since Jan. 7, 1950, as to the mark shown; and since 1841 as to the mark "Prairie Farmer."

Ser. No. 604,731. McGraw-Hill Book Company, Inc., New York, N. Y. Filed Oct. 11, 1950. (Sec. 2f.)

Technical Education News

For Publication Issued Quarterly.
Claims use since Aug. 1, 1941.

Ser. No. 606,402. Youth Associates Company, Minneapolis, Minn. Filed Nov. 14, 1950.

Hi!

For Periodical Devoted to the Interests of Young People and Children.
Claims use since Apr. 1, 1949.

Ser. No. 606,628. Northwest Publications, Inc., St. Paul, Minn. Filed Nov. 18, 1950.

Betty Service—

The name "Betty Service" is fictitious.
For Newspaper Column.
Claims use since Jan. 1, 1938.

Ser. No. 608,774. Tompkins' Label Service, Philadelphia, Pa. Filed Jan. 13, 1951.

Pliostix

For Printed Labels.
Claims use since Sept. 6, 1950.

Ser. No. 611,324. Kennelly-Lumitone Co. Inc., New York, N. Y. Filed Mar. 19, 1951.

Lumitone

For Colored Picture Post Cards.
Claims use since January 1925.

Ser. No. 611,543. Rockwell Manufacturing Company, Pittsburgh, Pa. Filed Mar. 19, 1951. (Sec. 2f as to the name "Rockwell.")

ROCKWELL r

Applicant claims ownership of Registrations Nos. 428,477, 428,478, and others.
For Periodical Publications, Prints, and Plans With Information for Construction of Various Articles of Wood, Metal, or Both.
Claims use since Dec. 13, 1945.

Ser. No. 612,212. Merck & Co., Inc., Rahway, N. J. Filed Apr. 4, 1951.

PATHWAY TO PROFIT

The word "Profit" is disclaimed.
For Sales Periodical Issued Monthly.
Claims use since May 1947.

Ser. No. 615,586. United Parcel Service of America, Inc., Wilmington, Del. Filed June 22, 1951.

the PICK-UP

For Printed Periodicals.
Claims use since September 1923.

Ser. No. 615,716. Motor Cargo, Inc., Memphis, Tenn. Filed June 26, 1951. (Sec. 2f.)

MOTOR CARGO

Applicant claims ownership of Registration No. 539,771.
For Periodical Publication.
Claims use since Dec. 10, 1945.

Ser. No. 615,796. Paul A. Schaefer, doing business as Schaefer Advertising Agency, St. Paul, Minn. Filed June 27, 1951.

Value Chest

For Sales Promotion Coupon Books.
Claims use since Jan. 1, 1951.

Ser. No. 615,835. The Hearst Corporation, New York, N. Y. Filed June 28, 1951.

PRIVATE LIFE OF BUCK

Applicant claims ownership of Registration No. 411,779.
For Newspaper Section or Department.
Claims use since Oct. 8, 1945.

Ser. No. 615,935. Kallis and Kallis, Chicago, Ill. Filed June 30, 1951. (Sec. 2f.)

OFFICIAL MOTOR FREIGHT GUIDE

Applicant claims ownership of Registration No. 543,078.
For Trucking Carrier Directories and Rosters Issued in a Series.
Claims use since 1933.

CLASS 39

CLOTHING

Ser. No. 573,304. Ernest J. Carston, Chicago, Ill. Filed Feb. 4, 1949. (Sec. 2f as to "Carston.")

CARSTON ORIGINAL

The word "Original" is disclaimed.
For Neckties.
Claims use since Apr. 1, 1946, on the mark as shown; and since 1938 on the word "Carston."

Ser. No. 581,511. Bernard Workman, Inc., New York, N. Y. Filed July 2, 1949.

Bernard Workman

The name "Bernard Workman" as used in the mark is that of the president of the applicant corporation.
For Hats for Women and Girls.
Claims use since June 9, 1949.

Ser. No. 585,930. Hickok Manufacturing Co. Inc., Rochester, N. Y. Filed Oct. 7, 1949.

Profile initials

The word "Initials" is disclaimed.
For Suspenders and Garters.
Claims use since Mar. 22, 1949.

Ser. No. 592,855. Worth, Inc., Seattle, Wash. Filed Feb. 21, 1950.

VESCARF

For Neck Scarf Primarily, but not Exclusively, for Use by Men and Boys.
Claims use since Jan. 1, 1950.

Ser. No. 593,911. John Carr Doughty Limited, Leicester, England. Filed Mar. 14, 1950.

Slipsters

Applicant claims ownership of British Registration No. B673,785, dated Oct. 22, 1948.
For Knitted Socks (for Wear) Having Reinforced Soles of Felt, Leather or Imitation Leather; Shoes, Slippers, and Sandals.

Ser. No. 594,940. Adam Hat Stores, Inc., New York, N. Y. Filed Mar. 31, 1950.

HIALEAH

For Men's and Boys' Hats and Caps, Dress Shirts, Outer and Under Shirts, Underwear, Sweaters, Jackets and Trousers, Neckties, Bow Ties.
Claims use since Jan. 11, 1950.

Ser. No. 597,956. Hoosier Factories, Inc., Michigan City, Ind. Filed May 23, 1950.

Convert'able

For Men's Trousers.
Claims use since Feb. 20, 1950.

Ser. No. 598,695. Washington Mills Company, Inc., Winston-Salem, N. C. Filed June 6, 1950.

HOWDY PARDNER

For Men's, Women's, and Children's Underwear and Outerwear—Namely, T Shirts and Polo Shirts.
Claims use since Apr. 25, 1950.

Ser. No. 600,253. J. S. Blank & Co. Inc., New York, N. Y. Filed July 6, 1950. (Sec. 2f.)

Blanford REP

The term "Rep" is disclaimed.
For Neckties.
Claims use since Jan. 1, 1935.

Ser. No. 601,992. Meri Marr Blouse Company, Brodheadsville, Pa. Filed Aug. 9, 1950.



The name "Meri Marr" is fanciful. The word "Original" is disclaimed.
For Women's Sportswear—Namely, Blouses, Skirts, and Sweaters.
Claims use since July 27, 1949.

Ser. No. 603,885. Paul Karp, doing business under the name of Ty-Craft, Ltd., Los Angeles, Calif. Filed Sept. 22, 1950.



The name "Dutchess Moritza" is fanciful.
For Ties.
Claims use since October 1947.

Ser. No. 603,948. Weathercrest Jackets, Inc., Danville, Ill. Filed Sept. 23, 1950.

WEATHERCREST

For Wearing Apparel for Men, Women, and Children—Namely, Jackets.
Claims use since June 16, 1950.

Ser. No. 604,114. Ralph Winett & Co., Inc., Chicago, Ill. Filed Sept. 27, 1950.

Stylar

For Men's Clothing—Namely, Trousers and Slacks.
Claims use since Aug. 15, 1940.

Ser. No. 604,216. Packard Dresses, Inc., New York, N. Y. Filed Sept. 29, 1950. (Sec. 2f.)

Packard

Applicant claims ownership of Registrations Nos. 403,571 and 417,966.
For Ladies' Dresses and Dress Ensembles, Consisting of Dress and Jacket, Skirts, Blouses, Coats, and Suits.
Claims use since July 14, 1930.

Ser. No. 604,217. Packard Dresses, Inc., New York, N. Y. Filed Sept. 29, 1950. (Sec. 2f.)

Packard Casual

The word "Casual" is disclaimed. Applicant claims ownership of Registrations Nos. 403,571 and 417,966.
For Ladies' Dresses and Dress Ensembles, Consisting of Dress and Jacket, Skirts, Blouses, Coats, and Suits.
Claims use since Feb. 25, 1942, as to the mark shown; and since July 14, 1930, as to the word "Packard."

Ser. No. 605,102. Major Clothing Co., Inc., Bridgeton, N. J. Filed Oct. 18, 1950.



The word "Clothes" is disclaimed.
For Men's Sport Coats, Suits, and Topcoats.
Claims use since Sept. 14, 1950.

Ser. No. 605,301. Farah Manufacturing Company, Inc., El Paso, Tex. Filed Oct. 23, 1950.

VULCA-NEE

For Denim Jeans and Pants.
Claims use since Oct. 19, 1950.

Ser. No. 606,266. Cap-Tur-Neck Co., Los Angeles, Calif. Filed Nov. 13, 1950.

CAP-TUR-NECK

The word "Cap" is disclaimed.
For Knitted Caps Convertible Into a Neck Piece and Vice Versa.
Claims use since Apr. 6, 1950.

Ser. No. 606,655. Farah Manufacturing Company, Inc., El Paso, Tex. Filed Nov. 20, 1950.



The representation of the boy's pants and the surname "Farah's" are disclaimed.
For Denim Jeans and Pants.
Claims use since Oct. 19, 1950.

Ser. No. 607,324. Etchison Hat Company, Inc., Richmond, Va. Filed Dec. 6, 1950.

Ginter Park

Applicant claims ownership of Registration No. 250,912.
For Hats and Caps of All Kinds for Men, Women, and Children.
Claims use since Mar. 1, 1925.

Ser. No. 609,123. Dri-Set Sales Company, Chattanooga, Tenn. Filed Jan. 23, 1951.

Dri-Set

The word "Dri" is disclaimed.
For Men's, Boys', Women's, Misses', and Children's Underwear; Men's, Boys', Women's, Misses', and Children's Sleeping Garments; and Men's, Boys', Women's, Misses', and Children's Outerwear—Namely, Shirts, Balbriggan Cardigans, and Balbriggan Creepers.
Claims use since Jan. 9, 1951.

Ser. No. 610,031. Max Shrage Company, Inc., New York, N. Y. Filed Feb. 13, 1951.

PRANX

For Outer Shirts and Trousers, Poloshirts, and Pajamas for Boys and Girls.
Claims use since Jan. 15, 1951.

Ser. No. 611,621. Scarves by Vera, Inc., New York, N. Y. Filed Mar. 21, 1951.



The shading in the drawing indicates contrast in color between the upper and lower sections of the letters of the word "Duo."
For Women's Scarves.
Claims use since Jan. 29, 1951.

Ser. No. 612,241. Cape Ann Manufacturing Company, Gloucester, Mass. Filed Apr. 5, 1951.

CAPE ANN

Applicant claims ownership of Registration No. 383,925.
For Men's and Boys' Wearing Apparel—Namely, Coats, Jackets, Lumber Jackets, Mackinaws, Vests, Trousers, Outer Shirts, and Slacks Made of Leather, Wool, Cotton, Nylon, Rayon, and Combinations Thereof.
Claims use since Jan. 2, 1933.

Ser. No. 612,265. The H. D. Lee Company, Incorporated, Kansas City, Mo. Filed Apr. 5, 1951.

CHETOPA

For Men's Pants, Outer Shirts, Blouses, and Flight Caps.
Claims use since Mar. 26, 1951.

Ser. No. 613,120. Cluett, Peabody & Co., Inc., Troy, N. Y. Filed Apr. 25, 1951.

ARASTRIDE

Applicant claims ownership of Registrations Nos. 378,331 and 359,944.
For Men's and Boys' Outer Shirts and Underwear.
Claims use since Feb. 27, 1951.

Ser. No. 613,135. Alla Kent, New York, N. Y. Filed Apr. 25, 1951.

SANDWIG

For Ladies' Caps.
Claims use since Apr. 2, 1951.

Ser. No. 613,673. The Manhattan Shirt Company, New York, N. Y. Filed May 9, 1951.

KOOLSKIP

For Men's Dress and Negligee Shirts.
Claims use since Apr. 4, 1951.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 606,851. Howard H. Born, doing business as B & S Products Co., New York, N. Y. Filed Nov. 24, 1950.

CHAMPION

For Combs.
Claims use since Oct. 1, 1950.

Ser. No. 609,587. M. B. Daniels & Co., Inc., New York, N. Y. Filed Feb. 3, 1951.

ESCALATOR

For Spool Racks.
Claims use since Dec. 11, 1950.

Ser. No. 611,280. Krad-L Laboratory, Reading, Pa. Filed Mar. 14, 1951.

Krad-L Curler

The word "Curler" is disclaimed.
For Non-Electric Hair Wavers and Curlers.
Claims use since Feb. 12, 1951.

Ser. No. 611,984. Vance & Co., Not Inc., Chicago, Ill. Filed Mar. 29, 1951.

SNAP-A-PLEAT

The word "Pleat" is disclaimed.
For Drapery Pleaters.
Claims use since Nov. 11, 1949.

Ser. No. 612,044. Elizabeth Swift, Little Silver, N. J. Filed Mar. 30, 1951.



The picture of the girl is fanciful.
For Band Designed To Fit the Contour of the Head and Hold Securely a Scarf or Hood.
Claims use since Mar. 16, 1951.

Ser. No. 612,377. Shantz Associates Incorporated, Rochester, N. Y. Filed Apr. 7, 1951.

DELMAR

For Buttons Made of Non-Precious Metal.
Claims use since May 1924.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 586,008. The E. Richard Meinig Co., Reading, Pa. Filed Oct. 8, 1949.

Caressuede

For Double Faced Tricot Knitted Cotton Suede Glove Fabrics.
Claims use since Sept. 22, 1949.

Ser. No. 606,596. Titus Blatter & Company, New York, N. Y. Filed Nov. 18, 1950.

T'UNG SHAN

For Drapery and Upholstery Fabrics of Cotton and Rayon Fibers.
Claims use since May 19, 1949.

Ser. No. 617,947. Deering, Milliken & Co., Inc., New York, N. Y. Filed Aug. 22, 1951.

DACOOL

For Textile Fabrics Made of Wool and Synthetic Fibers and Combinations Thereof.
Claims use since July 13, 1951.

CLASS 43

THREAD AND YARN

Ser. No. 612,246. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed Apr. 5, 1951. (Sec. 2f.)

DU PONT

Applicant claims ownership of Registrations Nos. 221,766 and 387,746.
For Yarns of Synthetic Fibers.
Claims use since Mar. 29, 1950.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 557,115. Jack Colm, doing business as Fitsrite Products Co., New York, N. Y. Filed May 15, 1948. (Sec. 2f.)

Fitsrite

Applicant claims ownership of Registration No. 233,450.
For Leather Wrist Bands, Elastic Wristband, Anklets, Kneecaps, Athletic Supporters and Suspensories Used for Therapeutic Purposes.
Claims use since July 1926.

Ser. No. 572,445. The Pac-Kit Company, Greenwich, Conn. Filed Jan. 19, 1949. (Sec. 2f.)

PAC-KIT

The word "Kit" is disclaimed.
For First Aid Equipment in Kit Form—Namely, Bandages, Bandage Compresses, Adhesive Compresses, Gauze Bandages, Muslin Triangular Bandages, Gauze Compresses, Eye Dressing Packets, Eye Pads and Boric Acid Ointment, Ammonia Inhalants, Aromatic Spirits of Ammonia, Applicators for Tincture of Iodine, Tourniquet and Forceps, Wire Splints, and Burn Ointment.
Claims use since 1930.

Ser. No. 580,913. George J. Yore, doing business as Geo. J. Yore & Co., Chicago, Ill. Filed June 22, 1949. (Sec. 2f.)

OVR-NITE

For Heating Pads for Therapeutic Purposes.
Claims use since Sept. 19, 1923.

Ser. No. 592,030. Hanovia Chemical and Manufacturing Company, Newark, N. J. Filed Feb. 6, 1950.

Bio-Steritron

For Cabinet Mounted Apparatus for the Irradiation of Blood Plasma and Other Liquid Biologics, Comprising a Source of Ultraviolet Irradiations, Reservoirs for Liquids, and Conduits for Passing the Liquids From Said Reservoirs to the Vicinity of the Irradiation Source.
Claims use since Oct. 20, 1949.

Ser. No. 596,156. Cosmos Dental Products, Inc., New York, N. Y. Filed Apr. 22, 1950.

DENSOFORM

For Self-Curing Plastic and Liquids Made of Powder for Use in the Making and Repairing of Dental Trays.
Claims use since June 8, 1942.

Ser. No. 601,729. John I. Harris, Nashville, Tenn. Filed Aug. 4, 1950.



The drawing is lined for red, white and blue. The words "Three" and "Prophylactics" are disclaimed.
For Prophylactics.
Claims use since Apr. 1, 1950.

Ser. No. 608,083. Will Ross, Inc., Milwaukee, Wis. Filed Dec. 26, 1950.

AREN

For Clinical Thermometers, Surgeons' Gloves (Rubber), Catheters, Colon Tubes, Rectal Tubes, and Rubber Hot Water Bottles.
Claims use since May 17, 1950.

Ser. No. 613,995. Alfred L. Jones, Fresno, Calif. Filed May 17, 1951.

JIFFY

For Hair Drier Attachment for Vacuum Cleaners.
Claims use since Feb. 27, 1951.

Ser. No. 614,509. Opotow Dental Manufacturing Corp., Brooklyn, N. Y. Filed May 29, 1951.

JELSET

For Dental Impression Powder Used for Taking Impressions for Artificial Dentures, and Duplicating Powder for Making Negative Molds From Dental Casts.
Claims use since May 2, 1951.

Ser. No. 615,373. Davis & Geck, Inc., Brooklyn, N. Y. Filed June 19, 1951.

SURGALOY

Applicant claims ownership of Registration No. 420,420.
For Stainless Steel Mesh for Surgical Use.
Claims use since May 18, 1951.

Ser. No. 615,450. The Formfit Company, Chicago, Ill. Filed June 20, 1951. (Sec. 2f.)

Formfit

Applicant claims ownership of Registrations Nos. 327,595, 409,442, and 542,658.
For Sanitary Belts and Sanitary Panty Shields.
Claims use since January 1917.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 603,576. The Crazy Water Company, Inc., Mineral Wells, Tex. Filed Sept. 15, 1950.

CRAZY

Applicant claims ownership of Registrations Nos. 265,781, 301,893, and 309,938.
For Natural Mineral Water.
Claims use since Jan. 1, 1900.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 526,915. Armour and Company, Chicago, Ill. Filed July 5, 1947. (Sec. 2f.)

RICO

For Barrelled Pork.
Claims use since June 4, 1914.

Ser. No. 528,036. C. A. Swanson & Sons, Omaha, Nebr. Filed July 5, 1947. (Sec. 2f.)

Swanson
EVER FRESH

Applicant claims ownership of Registrations Nos. 416,793 and 516,151.
For Canned Poultry Products—Namely, Noodle Chicken Dinner, Chicken a la King, Boned Chicken, Noodle Giblet Dinner, Boned Turkey, Chicken Fricasee With Gravy, Whole Chicken in Butter Gravy; Frozen Poultry—Namely, Roasting Chicken, Broiling Chicken, Frying Chicken, Fowl for Fricasee, Chicken Fricasee, Cut-Up Turkey, Young Turkey, Chicken a la King, Chicken Chow Mein, Chicken Salad, Chicken Livers, Chicken Gizzards and Chicken Hearts; Fresh Eggs and Dried Whole Eggs.
Claims use since 1940.

Ser. No. 532,240. Luer Packing Company, Los Angeles, Calif. Filed Aug. 23, 1947.

Kharkov

For Salami Sausage.
Claims use since September 1944.

Ser. No. 540,362. Armour & Company, doing business under the trade style Columbus Packing Company, Chicago, Ill. Filed Nov. 7, 1947.

Capital Brand

The word "Brand" is disclaimed.
For Hams, Bacon, Sausages, Lard, and Chili Con Carne.
Claims use since 1905.

Ser. No. 540,390. Crookston Milling Co., Crookston, Minn. Filed Nov. 7, 1947. (Sec. 2f.)

TOM TUCKER

The mark is not represented to be the name of any particular living person.

For Whole Wheat Cooked Breakfast Food.

Claims use since 1935.

Ser. No. 540,941. The Trinidad Bean & Elevator Company, Denver, Colo. Filed Nov. 12, 1947.



The words "Cookquick" and "Brand" are disclaimed. Applicant claims ownership of Registrations Nos. 150,624 and 358,497.

For Dried Peas, Dried Lentils, and Dried Beans of the Following Varieties: Limas, Pintos, Small Reds, Baby Limas, Red Kidneys, Small Whites, Great Northerns, Blackeyes, Pinks, Cranberries, and Garbanzos.

Claims use since Oct. 1, 1936.

Ser. No. 540,942. The Trinidad Bean & Elevator Company, Denver, Colo. Filed Nov. 12, 1947.



Applicant claims ownership of Registrations Nos. 150,624 and 358,497.

For Dried Beans and Dried Peas.

Claims use since Jan. 1, 1920.

Ser. No. 541,370. Merrill Candy Company, Merrill, Wis. Filed Sept. 26, 1947.



The words "It's Tops" are disclaimed.

For Bar Candy.

Claims use since Apr. 21, 1937.

Ser. No. 545,666. Van Dusen Harrington Co., Minneapolis, Minn. Filed Dec. 29, 1947. CONCURRENT USE with Serial No. 600,659 for the area comprising all of the States of the United States except Washington, Oregon, California, Idaho, Nevada, Utah, Arizona, Wyoming, Colorado, and Nebraska.

HUSKY LAD

The drawing is lined for red, but color is not an essential feature of the mark.

For Wheat Flour.

Claims use since 1912.

Ser. No. 547,767. Poultry Producers of Central California, San Francisco, Calif. Filed Jan. 22, 1948.



The representation of an egg is disclaimed.

For Fresh Eggs.

Claims use since Jan. 2, 1942.

Ser. No. 558,221. John W. Eshelman & Sons, Lancaster, Pa. Filed June 1, 1948.



The drawing depicts a rose and is lined for red. Applicant claims ownership of Registration No. 242,463.

For Poultry Feeds Consisting Principally of Mixed Grains, Pigeon Feeds Consisting Principally of Mixed Grains, Dairy Feeds Consisting Principally of Mixed Grains, Stock Feeds Consisting Principally of Mixed Grains, Cottonseed Meal, Soybean Oil Meal and Linseed Oil Meal, Horse Feeds Consisting Principally of Mixed Grains, and Dog and Puppy Foods Consisting Principally of Meat Meals, Grain, Soy Beans, and Added Vitamins and Minerals.

Claims use since 1930.

Ser. No. 563,350. Little Crow Milling Co., Inc., Warsaw, Ind. Filed Aug. 13, 1948. (Sec. 2f.)

COCO-WHEATS

The drawing is lined for brown. Applicant claims ownership of Registrations Nos. 336,604 and 319,380.

For Cocoa Coated Breakfast Cereal Made From Wheat.

Claims use since Sept. 1, 1933.

Ser. No. 563,606. Dixie-Portland Flour Co., Memphis, Tenn. Filed Aug. 17, 1948 (Sec. 2f.)

Premium Prints

Applicant claims ownership of Registration No. 365,743.

For Wheat Flour.

Claims use since Dec. 20, 1937.

Ser. No. 564,050. T. Noonan Sons Company, Boston, Mass. Filed Apr. 14, 1948. (Sec. 2f.)

MAPLE LEAVES

Applicant claims ownership of Registration No. 334,846.

For Maple Sugar Candy.

Claims use since Mar. 27, 1933.

Ser. No. 565,254. Fino Fabrieken, Harderwijk, Netherlands. Filed Sept. 16, 1948.



The word "Fino" is disclaimed. Applicant claims ownership of Dutch Registration No. 66,723, dated June 26, 1934.

For Canned Soups; Canned and Powdered Soup Bases; Cubes and Powder for Making Gravies; Glutamate Seasoning; Flavors and Seasoning for Stews and Gravies; Onion Flakes and Onion Powder; Food Flavoring Extracts; Food Flavoring Herbs and Spices; Beef Tea Cubes and Paste; and Chicken Broth Paste.

Ser. No. 568,973. Orange-Crush Company, Chicago, Ill. Filed Nov. 17, 1948.

OLD COLONY

Applicant claims ownership of Registration No. 231,871.

For Crushed Fruits and Crushed Nuts Used as Toppings for Ice Cream and the Like.

Claims use since Oct. 29, 1948.

Ser. No. 573,007. Shenandoah Candy Company, Inc., Winchester, Va. Filed Jan. 28, 1949. (Sec. 2f.)

SHENANDOAH

For Candies.

Claims use since Dec. 12, 1930.

Ser. No. 573,807. White Tower Management Corporation, Stamford, Conn. Filed Feb. 12, 1949.



The representations of the sandwich and the cup of coffee apart from the mark as shown are disclaimed. Applicant claims ownership of Registration No. 263,911.

For Coffee, Hamburger Sandwiches, and Other Sandwiches.

Claims use since May 1946.

Ser. No. 574,126. Albers Milling Company, Seattle, Wash., Portland, Oreg., and Oakland and Los Angeles, Calif. Filed Feb. 19, 1949.

DARISWEET

For Cattle Feed Composed of Grains and Minerals.

Claims use since Oct. 6, 1947.

Ser. No. 574,571. Chin & Lee Co., Inc., New York, N. Y. Filed Feb. 26, 1949.



The stippling shown on the drawing represents shading only.

For Canned Chop Suey and Noodles.

Claims use since April 1939.

Ser. No. 576,558. Schuylkill Valley Grocery Co., Inc., Bridgeport, Pa. Filed Apr. 2, 1949. (Sec. 2f.)

Norris

Applicant claims ownership of Registration No. 334,257.

For Canned Foods—Namely, Fruits, Vegetables, Fish, Evaporated Milk, Fruit Juices, Prepared Spaghetti, Pickles, Olives; Butter and Vinegar.

Claims use since Apr. 27, 1925.

Ser. No. 577,716. Hansen Fruit & Cold Storage Co., Yakima, Wash. Filed Apr. 26, 1949.

HY-VALLEY

For Fresh Deciduous Fruits.

Claims use since Apr. 26, 1948.

Ser. No. 578,989. Calvin B. Messick, Jr., doing business as C. B. Messick, Jr., Wauchula, Fla. Filed May 17, 1949.



The picture is that of a fanciful person.

For Graded and Packed Deciduous Fresh Fruit and Vegetables.

Claims use since Apr. 3, 1946.

Ser. No. 582,733. Paul Kulck, doing business as Macomb Food Supply, Centerline, Mich. Filed July 30, 1949.

EAT A WAY

The word "Eat" is disclaimed.

For Horse Meat Used as a Food for Dogs and Cats.

Claims use since Apr. 1, 1949.

Ser. No. 584,176. Wards Cove Packing Co., Inc., Seattle, Wash. Filed Aug. 27, 1949.

NORTHERN PRIDE

For Canned Salmon.
Claims use since August 1934.

Ser. No. 585,403. Valley Poultry & Rabbit Co., Rosemead, Calif. Filed Sept. 27, 1949.

Valley's Pan-Redi

The words "Pan-Redi" are disclaimed.
For Fresh Frozen Dressed Poultry and Rabbits.
Claims use since May 1, 1949.

Ser. No. 589,816. Union Starch and Refining Company, Columbus, Ind. Filed Dec. 22, 1949.

LEVODEX

For Corn Syrup as a Food Ingredient.
Claims use since Dec. 2, 1949.

Ser. No. 589,946. The O. P. Baur Confectionery Company, Denver, Colo. Filed Dec. 27, 1949.

BETTY LEE

Betty Lee is the given name of the wife of John H. Jacobs, the president of the applicant company. Applicant claims ownership of Registration No. 288,334.
For Candies, Such as Chocolates.
Claims use since July 13, 1949.

Ser. No. 589,947. The O. P. Baur Confectionery Company, Denver, Colo. Filed Dec. 27, 1949.

BETTY LEE

Betty Lee is the given name of the wife of John H. Jacobs, the president of the applicant company. Applicant claims ownership of Registration No. 288,334.
For Candies, Such as Chocolates.
Claims use since July 13, 1949.

Ser. No. 591,579. Modern Biscuit Corporation, Brooklyn, N. Y. Filed Jan. 27, 1950.

Sunny Valley

For Fig Bars.
Claims use since Dec. 8, 1949.

Ser. No. 591,699. Puerto Rico Agricultural Company, San Juan, Puerto Rico, and New York, N. Y. Filed Jan. 30, 1950.

Island maid

For Canned, Sliced, Cubed, and Crushed Pineapple and Canned Pineapple Juices for Food Purposes.
Claims use since Sept. 23, 1949.

Ser. No. 596,959. Sylvan Sweets Co., Easton, Pa. Filed May 5, 1950.

LUCKY SMILE

For Candy Cigarettes.
Claims use since Mar. 12, 1948.

Ser. No. 597,421. United Packers, Inc., Chicago, Ill. Filed May 13, 1950.

RedCrown

For Prepared Meats in Tin and Glass—Namely, for Pork Brains With Gravy, Corned Beef Hash, Chili Con Carne With Beans, Chili Con Carne Without Beans, Deviled Meat Food Product Containing Beef Tongue Trimmings, Beef Tripe, Pork Lips, Beef Kidneys, Water, Salt, Spices, Sodium Nitrite, Dried Beef, Pigs Feet, Potted Meat Food Product Containing Beef Lips, Pork Lips, Beef Tripe, Beef Kidneys, Water, Salt, Spices, Sodium Nitrite, Pure Corned Beef Spread, Tripe, and Vienna Sausage.
Claims use since 1913.

Ser. No. 600,440. Marnat Packing Company, Bennettsville, S. C. Filed July 10, 1950.

BIG TIME

For Food for Dogs, Cats, and Other Carnivorous Animals.
Claims use since May 17, 1949.

Ser. No. 600,505. Peninsula Packing Company, Monterey, Calif. Filed July 11, 1950.

EL CAPITAN

Applicant claims ownership of Registration No. 274,767.
For Canned Fish.
Claims use since Feb. 19, 1918.

Ser. No. 600,659. General Mills, Inc., Minneapolis, Minn. Filed July 14, 1950. CONCURRENT USE with Serial No. 545,666 for the area comprising the States of Washington, Oregon, California, Idaho, Nevada, Utah, Arizona, Wyoming, Colorado, and Nebraska.

HUSKY

For Wheat Flour.
Claims use since January 1934.

Ser. No. 600,989. Sebastopol Cooperative Cannery, Sebastopol, Calif. Filed July 20, 1950.

Anna·Lee

The trade-mark "Anna·Lee" is not the name of any particular living individual.
For Canned Apple Sauce.
Claims use since July 8, 1950.

Ser. No. 604,334. Martha Washington Candies Co., Chicago, Ill. Filed Oct. 2, 1950.

Martha Washington

The name "Martha Washington" refers to the wife of the first president of the United States. Applicant claims ownership of Registrations Nos. 290,326, 63,565 (renewed), 63,564 (renewed), 290,136, and 419,515.
For Ice Cream.
Claims use since June 20, 1928.

Ser. No. 605,793. Roy E. Ingalls, Sumner, Wash. Filed Nov. 2, 1950.

COUNTRY LIFE

For Canned Peas, Diced Carrots, Whole Kernel Corn, Cut Green Beans, Sliced Beets, Blackberries, Freestone Peaches, Plums, Bartlett Pears, and Salmon; Frozen Strawberries, Raspberries, Sliced Peaches, Cut Green Beans, Garden Peas, Asparagus Spears, Spinach, Cut Corn, Green Broccoli, Concentrated Orange Juice, Shrimp, French Fried Potatoes, Chicken Pie, Salmon Fillets.
Claims use since Aug. 10, 1950.

Ser. No. 606,720. Northampton Potato Company, Northampton, Mass. Filed Nov. 21, 1950.

NOPOCO

For Potatoes in the Natural State.
Claims use since Oct. 12, 1950.

Ser. No. 608,386. Standard Brands Incorporated, New York, N. Y. Filed Jan. 4, 1951.

MO-CON

For Molasses Dried With Brewers' Grains for Inclusion in Livestock and Animal Feeds.
Claims use since Dec. 11, 1950.

Ser. No. 608,901. The Sucher Packing Company, Dayton, Ohio. Filed Jan. 17, 1951.

YUMMY
FINE FOR THE TUMMY

The words "Fine For The Tummy" are disclaimed.
For Meat and Meat Products—Namely, Bacon, Ham, Loaves, Sausage, Pork Shoulder Picnic, and Weiners and Franks.
Claims use since Oct. 23, 1950.

Ser. No. 609,082. Etablissements Godefroy, Société Anonyme, Calvados, France. Filed Jan. 22, 1951.

GODEFROY

The word "Godefroy" is disclaimed. Applicant claims ownership of French Registration No. 474,829, dated June 19, 1950.
For Cheese.

Ser. No. 610,250. Davidson Baking Co., Portland, Oreg. Filed Feb. 1, 1951. (Sec. 2f.)

Davidson's Spun Bread

The word "Bread" is disclaimed. Applicant claims ownership of Registrations Nos. 340,541 and 283,035.
For Bread.
Claims use since Jan. 7, 1933.

Ser. No. 610,301. Trico, Inc., Birmingham, Ala. Filed Feb. 19, 1951.

DOCTORS'

The portrait on the drawing is that of a fictitious individual.
For Blend of Coffee and Chicory.
Claims use since Nov. 29, 1950.

Ser. No. 610,921. Peoples Drug Stores, Inc., Washington, D. C. Filed Mar. 6, 1951.

Braeburn

Applicant claims ownership of Registration No. 156,028.
For Candy.
Claims use since 1935.

Ser. No. 611,032. McCormick & Company, Incorporated, Baltimore, Md. Filed Mar. 8, 1951. (Sec. 2f.)

McCORMICK

Applicant claims ownership of Registration No. 362,407.
For Black Pepper; Crushed, Red, Italian Style Pepper; Red Pepper; White Pepper; Allspice; Ground Cardamom, Mexican Chili Powder; Cinnamon; Cloves; Cream of Tartar; Ground Cumin; Curry Powder; Garlic Powder; Ginger; Mace; Powdered Marjoram; Dry Mustard; Nutmeg; Paprika; Poultry Seasoning, Consisting of a Mixture of Thyme, Sage, Marjoram, Nutmeg, and Black Pepper; Pumpkin Pie Spice, Consisting of a Mixture of Cinnamon, Allspice, Ginger, Nutmeg, and Cloves; Rubbed Sage; Powdered Savory; Seafood Seasoning, Consisting of a Mixture of Salt, Celery Seed, Mustard, Red Pepper, Ginger,

Black Pepper, Paprika, Mace, Bay Leaves, Cardamon, Allspice, and Cloves; Powdered Thyme; Turmeric; Celery Salt; Garlic Salt; Onion Salt; Savor Salt Seasoning, Consisting of a Mixture of Salt, Spices, Mono-Sodium Glutamate, and Magnesium Carbonate; Sour Salt (Citric Acid); Anise Seed; Basil Lenves; Bay Leaves (Laurel); Caraway Seed (Kummel); Cardamom Seed; Celery Seed; Stick Cinnamon; Coriander Seed; Cumin Seed; Dill Seed; Fennel Seed; Yellow Mustard Seed; Oregano; Pickling Spice; Poppy Seed; Rosemary; Sage Leaves; Dehydrated Celery Flakes; Mint Flakes; Onion Flakes; Parsley Flakes, and Vegetable Flakes, All for Food Seasoning Purposes; Food Flavoring Extracts as Follows, Vanilla, Lemon, Root Beer, Maple, Almond, Anise, Imitation Banana, Imitation Brandy, Imitation Cherry, Mint, and Peppermint, Orange, Imitation Pineapple, Imitation Raspberry, Imitation Rum, Sherry, Imitation Strawberry, Imitation Black Walnut, Imitation Celery, Cinnamon, Nutmeg, Onion, Imitation Peach, Imitation Pistachio, Rose, and Wintergreen; Food Colors, Including Red, Green, Yellow, and Blue; Tea in Tea Bags, Orange Pekoe and Pekoe, Packaged Tea, Orange Pekoe and Pekoe; Green Tea; Mayonnaise, Relish Spread; Cream Style Mustard; Brown Mustard; and Horse Radish Mustard.

Claims use since 1911.

Ser. No. 611,167. Apple Growers Association, Hood River, Oreg. Filed Mar. 12, 1951. (Sec. 2f.)

Hood River

Applicant claims ownership of Registrations Nos. 110,660, 303,086, and others.

For Canned Fruits, Cider Vinegar, Fresh Deciduous Fruits, Fruit Juices—Namely, Apple Juice.

Claims use since September 1912.

Ser. No. 611,595. B & M Tomato & Produce Company, St. Louis, Mo. Filed Mar. 21, 1951.



The figure of a man is fanciful. The representation of a tomato is disclaimed.

For Fresh Tomatoes.

Claims use since Jan. 1, 1948.

Ser. No. 611,620. Santé Foods, Inc., New York, N. Y. Filed Mar. 21, 1951. (Sec. 2f.)

SANTE

"Santé" (a French term meaning health). Applicant claims ownership of Registration No. 279,486.

For Farmer Cheese, Creamed Cottage Cheese, Sour Cream, Cream Cheese, Pasteurized Process Cheese.

Claims use since Nov. 26, 1926.

Ser. No. 613,025. J. T. Russell & Son Produce Company, Tulsa, Okla. Filed Apr. 23, 1951.

Sleepy Valley

For Dressed Poultry and Fresh Eggs.

Claims use since June 1, 1942.

Ser. No. 613,082. North American Mushroom Co., Tinley Park, Ill. Filed Apr. 24, 1951.

COUNTRY FRESH

The word "Fresh" is disclaimed.

For Canned Steak Sauce Containing Sliced Mushrooms.

Claims use since Mar. 15, 1951.

Ser. No. 613,487. Armour and Company, Chicago, Ill. Filed May 4, 1951.

Alonzi

For Dry Sausage.

Claims use since Mar. 16, 1951.

Ser. No. 613,625. Henry Becker & Son, Inc., Roseland, N. J. Filed May 8, 1951.



The mark consists of a monogram of the letters "H. B. C." derived from the applicant company name.

For Fluid Milk and Cream, Butter, Fresh Eggs, and Cheese.

Claims use since Jan. 15, 1951.

Ser. No. 614,097. Resetar Produce Company, Watsonville, Calif. Filed May 19, 1951.



For Fresh Vegetables.

Claims use since Apr. 26, 1951.

Ser. No. 614,242. Consolidated Dairy Products Company, Inc., New York, N. Y. Filed May 23, 1951.



For Ice Cream.

Claims use since Sept. 15, 1950.

Ser. No. 614,650. Candymasters Incorporated, Minneapolis, Minn. Filed June 2, 1951.

Snow Wonder

For Candy Bars.

Claims use since Feb. 26, 1951.

Ser. No. 614,910. Sue Ann Food Products Corporation, Chicago, Ill. Filed June 7, 1951.

Cocktail Delight

Applicant claims ownership of Registration No. 509,861.

For Salad Dressing.

Claims use since June 1949.

Ser. No. 615,061. General Foods Corporation, New York, N. Y. Filed June 12, 1951.



The portrait is that of Virginia McIntyre, whose consent is of record. Applicant claims ownership of Registration No. 80,465.

For Salt.

Claims use since Aug. 30, 1949.

Ser. No. 615,076. McCormick & Company, Inc., Baltimore, Md. Filed June 12, 1951.



Applicant claims ownership of Registrations Nos. 46,038, 59,755, and others.

For Tea, Salad Dressing, Prepared Mustard, and Instant Mix for Making Hot Chocolate Flavored Beverage.

Claims use since Dec. 8, 1949.

Ser. No. 615,117. Gristede Bros., Inc., New York, N. Y. Filed June 13, 1951. (Sec. 2f.)

LEADING

Applicant claims ownership of Registration No. 47,270.

For Canned Vegetables.

Claims use since Aug. 1, 1922.

Ser. No. 615,423. Mrs. Tucker's Foods, Inc., Sherman, Tex. Filed June 19, 1951. (Sec. 2f.)

Mrs. Tucker's

Applicant claims ownership of Registrations Nos. 133,999 and 367,965.

For Vegetable Oil Shortening, Salad Oil, Wheat Flour, Canned Vegetables, Canned Fruits, Fruit Preserves, and Table Syrup.

Claims use since Aug. 15, 1913.

Ser. No. 615,598. Allen Ranches, Incorporated, Phoenix, Ariz. Filed June 23, 1951.

Alra

For Fresh Watermelons.

Claims use since June 5, 1951.

Ser. No. 616,124. Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Filed July 5, 1951.

TERRALAC

For Condensed Milk Substitute for Infant Domesticated Animals, Particularly Piglets.

Claims use since May 14, 1951.

Ser. No. 616,468. Walter Jacobs, doing business as Farmer Tarleton, Pike, N. H. Filed June 19, 1951. (Sec. 2f.)

Farmer Tarleton's

For Maple Smoked Turkeys.

Claims use since May 1, 1946.

Ser. No. 616,878. Spud Chips Inc., Greeley, Colo. Filed July 24, 1951.

Shamrock

For Potato Chips.

Claims use since Feb. 21, 1951.

Ser. No. 616,957. Kingan & Co. Incorporated, Indianapolis, Ind. Filed July 26, 1951.

PILOT

For Meat Loaf.

Claims use since Dec. 16, 1942.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 580,506. Pallet Devices, Inc., Des Plaines, Ill. Filed June 15, 1949.

PALLETRAY

For Skid Platforms Containing Sectional Sides Which May Be Interlocked and Built Up To Give Height, Sold as a Unit.

Claims use since Feb. 21, 1949.

Ser. No. 604,254. James R. Coffing Company, Danville, Ill. Filed Sept. 30, 1950.

Home Boarder

For Automatic Dog Feeder and Waterer Structure Sold as a Unit.

Claims use since Jan. 21, 1950.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 558,031. International Latex Corporation, Dover, Del. Filed May 28, 1948.

Kooleez

Applicant claims ownership of Registration No. 332,369.
For Baby Oil, Baby Cream, and Baby Powder.
Claims use since Apr. 22, 1948.

Ser. No. 559,898. Harriet Hubbard Ayer, Inc., New York, N. Y., assignor to Lever Brothers Company, New York, N. Y., a corporation of Maine. Filed June 22, 1948.

Wedding Ring

For Face Powder and Talcum Powder.
Claims use since Feb. 25, 1948.

Ser. No. 583,339. Leonard Friedberg, New York, N. Y. Filed Aug. 11, 1949.

FASTENOL

For Rouge, Face Powder, Perfume, Toilet Water, Bath Powder, Bath Salts, Cologne, Face Powder in Pressed Form, Lipstick, Brilliantine, Cream Powder Base, Eye Mascara, Talcum Powder, Eye-Brow Pencil, Hand Cream, Hand Lotion, Bleach Cream, Freckle Cream, Softening Cream, Foundation Cream, Cuticle Remover in Liquid Form, Depilatory, Eye Shadow, Eye Lotion, Facial Mask, Leg Make-Up, Nail Polish, Nail Polish Base Coat, Nail Polish Remover in Liquid Form, Sunburn Preventative, and Hair Wave Lotion.
Claims use since May 21, 1948.

Ser. No. 586,634. Richard Estrin, New York, N. Y., trading as Parn Laboratories. Filed Oct. 21, 1949.

Queen Helene

For Over-Nite Cream, Texture Cream, Cleansing Cream, Skin Refresher and Astringent, Skin Bracer, Masque, Face Powder and Powder Base.
Claims use since Oct. 30, 1936.

Ser. No. 598,336. West Indies Bay Company, Minneapolis, Minn. Filed May 29, 1950.



The picture is fanciful.
For Bay Rum.
Claims use since Nov. 20, 1949.

Ser. No. 609,037. Lambert Pharmacal Company, Wilmington, Del., and St. Louis, Mo. Filed Jan. 20, 1951.

CARICILLIN

For Dentifrice.
Claims use since Jan. 10, 1951.

Ser. No. 612,951. Dana Perfumes, Inc., Chicago, Ill. Filed Apr. 21, 1951.

LET'S GO

For Lipstick.
Claims use since Apr. 9, 1945.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 533,101. Wyandotte Chemicals Corporation, Wyandotte, Mich. Filed Sept. 2, 1947. (Sec. 2f.)

PERFECTION CLEANER

The word "Cleaner" is disclaimed.
For Alkaline Composition for Use in Degreasing and Cleaning Metal Parts Prior to Plating, Coating, or Vitreous Enameling.
Claims use since April 1934.

Ser. No. 560,043. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Filed June 23, 1948.

PENNSALT

Applicant claims ownership of Registrations Nos. 202,019, 248,083, and others.
For Laundry Detergents, Strongly Alkaline Detergents Used as Soap Builders, Dry Cleaning Soaps, Spotting Compounds, Dry Cleaning Solvents; Cleansers for Cleaning Utensils, Equipment, Floors and Walls in Dairies, Milk Plants, Restaurants, and Homes; Acids Formulated for the Purpose of Removing Solid Milk Deposits; Solvent Emulsion Cleansers for Metal and Other Solid Surfaces.
Claims use since Oct. 29, 1946.

Ser. No. 584,987. Jacob F. Katz, doing business as Nutrosol Company, Brooklyn, N. Y. Filed Sept. 17, 1949.

NUTRO-X

For Liquid Chemical Compound for Use as an Additive to Solvents Used in the Dry Cleaning Industry To Enhance the Cleaning Properties of the Solvents.
Claims use since June 9, 1949.

Ser. No. 591,110. James P. Siamatas, doing business as National Sweeping Compound Co., Ipswich and Rowley, Mass. Filed Jan. 19, 1950.



The word "Dust" is disclaimed.
For Sweeping Compound.
Claims use since May 5, 1949.

Ser. No. 591,458. Helene Curtis Industries, Inc., Chicago, Ill. Filed Jan. 26, 1950.

star mist

For Shampoo.
Claims use since Dec. 7, 1949.

Ser. No. 592,655. Monsanto Chemical Company, St. Louis, Mo. Filed Feb. 17, 1950.

TENODEX

For Organic and Inorganic Chemicals for Use in Cleaning Metals, Metallic Surfaces, and Metal Products.
Claims use since Dec. 13, 1949.

Ser. No. 594,448. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 23, 1950.

SOLPROTEX

Applicant claims ownership of Registration No. 357,718.
For Synthetic and Natural Aromatic Chemicals and Essential Oils Used as Ingredients for Detergents and Soaps.
Claims use since June 1, 1937.

Ser. No. 596,967. American Alcolac Corporation, New York, N. Y. Filed May 6, 1950.

ATALCO

For Soaps and Detergents for General Use in the Industrial Art.
Claims use since May 16, 1949.

Ser. No. 597,298. Eugene Schueller, Paris, France. Filed May 11, 1950.

DOPAL

Applicant claims ownership of French Registration No. 394,118, dated May 12, 1949.
For Shampoos.

Ser. No. 597,792. Stanley Home Products, Inc., Westfield, Mass. Filed May 19, 1950.

STANHOME

The words "A Stanley Home Product" are disclaimed.
For Cocoanut Oil Shampoos, Upholstery and Rug Shampoos, Hand Cleaners, Hand Soaps, Cleaners for Wood, Plastic, Paint, Silver, Porcelain, Enamel, Cloth, Marble, Tile, Floors and Windows; Automobile Cleaners, Silver Cleaners, Floor Cleaners, and Window Cleaners, Bowl Cleaners, Clothes Cleaning Detergents; Furniture Creams for Cleaning Purposes, Cleaning Waxes, Degreasing Solvents and Hand Soaps.
Claims use since Mar. 22, 1950.

Ser. No. 598,500. Polk Miller Products Corporation, Richmond, Va. Filed June 2, 1950.

SKIP-BATH

The word "Bath" is disclaimed. Applicant claims ownership of Registration No. 218,757.
For Insecticidal Liquid Preparation for Cleansing and Deodorizing Dogs.
Claims use since Apr. 26, 1950.

Ser. No. 600,475. Franklin Research Company, Philadelphia, Pa. Filed July 11, 1950. (Sec. 2f.)

FRANKLIN'S

For Compositions for Cleaning and Reconditioning Asphalt Tile Floors; Cleaners for Surfaces of Automobiles; Cleaners for Surfaces of Wood, Cement, Marble, Terrazzo, Tile and for Non-Resilient Surfaces; Cleaners for Plastics; Cleaners for Porcelain; Cleaners for Glass; Cleaners for Painted, Lacquered and Varnished Surfaces, Including Walls, Trim, Furniture and Fixtures; High Gloss Cleaners for Cleaning Glossy Surfaces; Wax Soaps; Wax Emulsion Compositions for Cleaning Floors.
Claims use since July 1937.

Ser. No. 601,029. Charles F. J. Dupuy, Allendale, N. J. Filed July 21, 1950.

KANGAROO

For Sponge Having a Pocket Therein and a Cake of Soap in Said Pocket.
Claims use since May 31, 1950.

Ser. No. 601,646. Smith Brothers, Plymouth, N. C. Filed Aug. 2, 1950.

DRYGESTER

For Dry Cleaning Substance Which May Be Used in Dry or Moist Condition for Removing Spots or Discolorations From Textile Fabrics, Including Garments of Rayon, Wool, Silk, Nylon, and Cotton.
Claims use since June 19, 1950.

Ser. No. 603,717. Guido Mazzetti, Rome, Italy. Filed Aug. 31, 1950.

VELTENE

Applicant claims ownership of United States Registration No. 273,123, and Italian Registration No. 95,561, dated Apr. 12, 1930.

For Benzo-Alcoholic Soap in the Form of Paste.

Ser. No. 606,327. Roberts-Modaber, Inc., Chicago, Ill. Filed Nov. 13, 1950.

TEN22

For Detergent for All Clothes Washing Operations and for Washing All Types of Woolens, Rugs, Carpets, and Textiles.

Claims use since Nov. 18, 1949.

Ser. No. 609,473. Victor Boyajian, doing business under the trade name and style of Lanex Processors, West New York, N. J. Filed Feb. 1, 1951.

LANEXUDS

For Liquid Detergent for Knitwear and Other Clothing.

Claims use since April 1949.

Ser. No. 609,719. Fels and Company, Philadelphia, Pa. Filed Feb. 7, 1951.



For Dry Detergent in Bead or Powder Form for Use in Laundering Clothing Made of Textile Materials, Washing Dishes, Pots and Pans, and Woodwork.

Claims use since June 2, 1950.

Ser. No. 613,422. Polyphase Chemical Service, Inc., New York, N. Y. Filed May 2, 1951.



The words "Chemical Service, Inc." are disclaimed.

For Chemicals and Chemical Compounds for Use in Removing Soot, Fire Scale, Slag, and Sludge.

Claims use since Apr. 17, 1946.

Ser. No. 614,053. William G. Mercer, doing business as Atlantic Specialties, Westwood, Mass. Filed May 18, 1951.

KLEETONE

For Detergent for General Cleaning and Laundering.

Claims use since May 1, 1951.

SERVICE MARKS

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 564,574. Donald R. Kirby, doing business as International Service Association, Champaign, Ill. Filed Sept. 2, 1948.



The figure of the man is fanciful. The outline representation of the map is disclaimed.

For Promoting Sales in Restaurants and Cafes by Placing Menus Bearing Advertisements of Such Establishments in Cooperating Restaurants and Cafes Located Along the Highways of the United States and Canada.

Claims use since June 1, 1948.

Ser. No. 586,513. Automotive Advertisers Council, New Castle, Ind. Filed Oct. 19, 1949.



For Preparation of Advertising Pamphlets and Circulars.

Claims use since Sept. 23, 1949.

Ser. No. 596,816. Thomsen-Ellis-Hutton Company, Baltimore, Md. Filed May 3, 1950.

Pridemark Press

The word "Press" is disclaimed. Applicant claims ownership of Registration No. 410,499.

For Printing Services—Namely, Job Printing and the Design, Layout, and Writing of Copy for Printed Matter.

Claims use since Oct. 1, 1913.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 573,208. Sears, Roebuck and Co., Chicago, Ill. Filed Feb. 2, 1949.

HARMONY HOUSE

Applicant claims ownership of Registrations Nos. 388,256, 391,044, and others.

For Interior Decorating Services.

Claims use since July 1, 1948.

Ser. No. 598,626. Auto Chlor System, Inc., Memphis, Tenn. Filed June 6, 1950.



The word "System" is disclaimed. Applicant claims ownership of Registrations Nos. 363,438, 505,303, and 517,503.

For Maintenance and Repair of Dishwashing and Sterilizing Equipment.

Claims use since Feb. 4, 1937.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 604,694. Happiness Tours, Chicago, Ill. Filed Oct. 10, 1950.



The word "Tours" is disclaimed.

For Arranging and Conducting Travel Tours and Arranging Hotel Accommodations for Tourists.

Claims use since March 1938.

Ser. No. 604,705. Happiness Tours, doing business under the name and style of J. Stuart Rotchford Travel Service, Chicago, Ill. Filed Oct. 10, 1950.

Happiness Tours International

The words "Tours" and "International" are disclaimed.

For Arranging and Conducting Travel Tours and Arranging Hotel Accommodations for Tourists.

Claims use since April 1947.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,647. Ventilators—Namely, Centrifugal Blowers and Propeller Fans for Blowing Air Into or Exhausting Air From the Space in Which It Is Installed. Trade-Wind Motorfans, Inc., Los Angeles, Calif.
Filed Mar. 22, 1946, Serial No. 498,814. Published Sept. 25, 1951. Class 34.

444,648. Wines. Bettino Ricasoli Firidolfi, doing business as Casa Vinicola Barone Ricasoli, Firenze, Italy.
Filed Dec. 16, 1946, Serial No. 514,325. Published Oct. 2, 1951. Class 47.

444,649. Whiskey. Sunset Incorporated, Chicago, Ill.
Filed Jan. 23, 1947, Serial No. 516,227. Published Sept. 25, 1951. Class 49.

444,650. Molasses, Honey, and Pancake Syrup. Boston Molasses Company, Boston, Mass.
Filed June 2, 1947, Serial No. 523,359. Published Oct. 9, 1951. Class 46.

444,651. Molasses, Honey, and Pancake Syrup. Boston Molasses Company, Boston, Mass.
Filed June 2, 1947, Serial No. 523,360. Published Oct. 9, 1951. Class 46.

444,652. Liqueurs. Société Anonyme de la Vieille Cure de Cenon, Cenon, France.
Filed Dec. 27, 1946, Serial No. 525,747. Published Aug. 28, 1951. Class 49.

ACT OF 1946, PRINCIPAL REGISTER

553,689. Shut-Off and Relief Type Valves for Fluid Lines, Faucets, Air Nozzles for Hose, Compression Stop Valves, Compression Stop Valves With Drain, and Parts Thereof. H. B. Sherman Manufacturing Company, Battle Creek, Mich.
Original filed, act of 1905, Nov. 25, 1946; amended to application under act of 1946, Principal Register, July 2, 1948, Serial No. 513,217. Published Oct. 30, 1951. Class 13.

553,690. Men's Work Gloves Made of Leather and Canton Flannel. Good Luck Glove Company, Carbondale, Ill.
Filed July 21, 1947, Serial No. 529,004. Published Mar. 14, 1950. Class 39.

553,691. Automotive and Truck Parts and Accessories—Namely, Hubs, Axle Shafts, Etc. Aetna Auto Parts Co., Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 530,143. Published Jan. 4, 1949. Class 19.

553,692. Women's and Misses' Textile Aprons. L. Nachman & Son, Inc., Philadelphia, Pa.
Filed Aug. 14, 1947, Serial No. 531,355. Published Oct. 23, 1951. Class 39.

553,693. Candy. Alas Ellis Auger, Old Orchard Beach, Maine.
Filed Aug. 19, 1947, Serial No. 531,749. Published Oct. 30, 1951. Class 46.

553,694. Metal Piping, Metal Tubing, Valves, Pipe Fittings, Strainers for Steam, Oil, Water, Air and Gas Lines, and Flexible, Swivel, Swing and Expansion Joints for Pipes. The Greene-Wolf Co. Incorporated, Brooklyn, N. Y.
Filed Aug. 19, 1947, Serial No. 531,788. Published Oct. 30, 1951. Class 13.

553,695. Canned Corn. Idaho Canning Co. Ltd., Payette, Idaho.
Filed Aug. 27, 1947, Serial No. 532,595. Published Nov. 6, 1951. Class 46.

553,696. Chocolate Syrup Used in Making Maltless Soft Drinks. J. Hungerford Smith Co., Rochester, N. Y.
Filed Sept. 2, 1947, Serial No. 533,063. Published Sept. 25, 1951. Class 45.

553,697. Canned Salmon, Tuna, Crab, Sardines, Pilchards, Mackerel. James J. Funsten, doing business as Funsten Company, San Francisco, Calif.
Filed Oct. 20, 1947, Serial No. 538,392. Published Oct. 30, 1951. Class 46.

553,698. Window Curtains, Shower Curtains, Drapes, Bedspreads, Tablecloths and Textile Fabrics in the Piece for Said Goods. House Beautiful Curtains Inc., New York, N. Y.
Filed Nov. 24, 1947, Serial No. 542,131. Published Nov. 23, 1948. Class 42.

553,699. Detachable External Cargo Containers for Attachment to Airplanes. Lockheed Aircraft Corporation, Burbank, Calif.
Filed Nov. 29, 1947, Serial No. 542,774. Published Oct. 9, 1951. Class 19.

553,700. Fresh Citrus Fruits. J. E. Pogue Packing House, also doing business as J. E. Pogue, Lemon Cove, Calif., assignor to Fred R. Berger, doing business as Earlibest Orange Assn., Lemon Cove, Calif.
Filed Dec. 8, 1947, Serial No. 543,742. Published Nov. 6, 1951. Class 46.

553,701. Whiskey. Schenley Distillers Corporation, New York, N. Y., now by change of name Schenley Industries, Inc., a corporation of Delaware.
Filed Dec. 18, 1947, Serial No. 544,769. Published Aug. 28, 1951. Class 49.

553,702. Asbestos Brake Lining. Asbestos Manufacturing Company, Huntington, Ind.
Filed Dec. 24, 1947, Serial No. 545,325. Published Nov. 23, 1948. Class 35.

553,703. Wines. Bisceglia Brothers Wine Co., Fresno, Calif.
Filed Jan. 16, 1948, Serial No. 547,226. Published Oct. 2, 1951. Class 47.

553,704. Infants' Portable Chairs, Seats, and Beds for Use In Automobiles. Bunny Bear, Inc., Everett, Mass.
Filed Mar. 2, 1948, Serial No. 550,992. Published Oct. 9, 1951. Class 19.

553,705. Ladies' Panties, Slips, Nightgowns, Pajamas, Negligees, Aprons, Overalls, Lounging Robes, and Bathrobes; and Children's and Infants' Bathrobes and Overalls. Associated Distributors, Inc., New York, N. Y.
Filed Mar. 25, 1948, Serial No. 552,932. Published Oct 23, 1951. Class 39.

553,706. Incandescent Mantles and Chimneys for Kerosene Mantle Lamps. The Mantle Lamp Company of America, Chicago, Ill., now by change of name Aladdin Industries, Incorporated, a corporation of Illinois.
Filed Apr. 10, 1948, Serial No. 554,317. Published July 10, 1951. Class 34.

553,707. Wheat Flour. The Colorado Milling & Elevator Co., doing business as The Monte Vista Flour Mills, Monte Vista and Denver, Colo.
Filed Apr. 19, 1948, Serial No. 554,951. Published Nov. 6, 1951. Class 46.

553,708. Fruit Jelly, Bread Mixes, Moist Type and Powdered Fruit Fillings Used in the Making of Pies and Pastries, Etc. Joseph Middleby Jr. Inc., Boston, Mass.
Filed Apr. 19, 1948, Serial No. 554,995. Published Oct. 2, 1951. Class 46.

553,709. Hot Water Tanks, Burner, Inner and Fire Box Liners, Tank Supports, Frames, and Outer Jackets for Said Tanks, Draft Hoods, Fire Box Doors, and Automatic Burner Valves To Regulate the Rate of Flow of Gas to Water Heater Burners. Ruud Manufacturing Company, Pittsburgh, Pa.
Filed June 2, 1948, Serial No. 558,322. Published Aug. 7, 1951. Class 34.

553,710. Cleaner and Polish for Glass, Metal, and Porcelains. Twin City Shellac Co. Inc., Brooklyn, N. Y.
Filed June 8, 1948, Serial No. 558,764. Published Oct. 16, 1951. Class 4.

553,711. Antiseptic Mouth Wash. Southwestern Drug Corporation, doing business as Red Arrow Laboratories, Waco, Tex.
Filed June 15, 1948, Serial No. 559,255. Published Sept. 18, 1951. Class 18.

553,712. Whiskey. Standard Distillers Products, Baltimore, Md.
Filed June 23, 1948, Serial No. 560,061. Published Aug. 28, 1951. Class 49.

553,713. Vitamin Concentrate Adapted as a Food Supplement in the Preparation of Livestock and Poultry Feeds. Feedstuffs Processing Company, Oakland, Calif.
Filed June 28, 1948, Serial No. 560,327. Published Sept. 4, 1951. Class 18.

553,714. Food Concentrate Adapted as a Vitamin Amino Acid Supplement in the Preparation of Livestock and Poultry Feeds. Feedstuffs Processing Company, Oakland, Calif.
Filed June 28, 1948, Serial No. 560,328. Published Sept. 4, 1951. Class 18.

553,715. Candy. E. J. Brach & Sons, Chicago, Ill.
Filed July 13, 1948, Serial No. 561,224. Published Nov. 6, 1951. Class 46.

553,716. Wearing Apparel, Specifically Women's, Children's, and Girls' Dresses, Etc. The Harvey Co., Nashville, Tenn.
Filed Jan. 7, 1948, Serial No. 561,374. Published Oct. 23, 1951. Class 39.

553,717. Knitted and Woven Cloths Made of Wool, Mohair, Silk, Cotton, Synthetic Fibers, or Any Combination Thereof, Sold in the Piece. Continental Mills, Inc., Philadelphia, Pa.
Filed Jan. 22, 1948, Serial No. 561,383. Published Nov. 6, 1951. Class 42.

553,718. Canned Corn. Wm. E. Silver, doing business under the name and style of Wm. E. Silver Sales Co., Colora, Md.
Filed July 19, 1948, Serial No. 561,694. Published Oct. 30, 1951. Class 46.

553,719. Ventilators for Cooking Equipment. Dohrmann Hotel Supply Co., San Francisco, Calif.
Filed July 22, 1948, Serial No. 561,908. Published Sept. 25, 1951. Class 34.

553,720. Aperitive Wine With Quinquina. Kina Rok, Charenton, Seine, France.
Filed Aug. 9, 1948, Serial No. 563,068. Published Oct. 9, 1951. Class 47.

553,721. Butter and Dried Milk Solids. State Brand Creameries, Inc., Mason City, Iowa.
Filed Aug. 21, 1948, Serial No. 563,826. Published Oct. 30, 1951. Class 46.

553,722. Men's and Women's Trousers, Overalls, Coats, Jackets, and Slacks; Ladies' Skirts, Dresses, Foundation Garments; House Coats, Gloves (Leather and Fabric), Collars, Jabots, Dickies, Ski Slacks, and Ski Coats. Gerhard Kennedy, Winnipeg, Manitoba, Canada.
Filed Aug. 23, 1948, Serial No. 564,691. Published Sept. 4, 1951. Class 39.

553,723. Laxative. Orpro Food Products Company, Inc., doing business under the name Hesperi Company as a division of the corporation, Los Angeles, Calif.
Filed Sept. 7, 1948, Serial No. 564,782. Published Sept. 11, 1951. Class 18.

553,724. Insulating Building Boards, Wall Boards. Aktiebolaget Scharins Söner, Stockholm, Sweden.
Filed Sept. 25, 1948, Serial No. 565,864. Published Sept. 25, 1951. Class 12.

553,725. Preparation for the Treatment of Chronic and Acute Coughs. Maltbie Laboratories, Inc., Newark, N. J., by change of name from The Maltbie Chemical Company.
Filed Oct. 2, 1948, Serial No. 566,350. Published Sept. 18, 1951. Class 18.

553,726. Emulsion-Like Liquid Preparation Containing Sulfamerazine and Sulfadiazine, Used as a Bacteriostatic in Inhibiting Infections. McNeil Laboratories, Incorporated, Philadelphia, Pa.
Filed Oct. 7, 1948, Serial No. 566,629. Published Sept. 25, 1951. Class 18.

553,727. Revolving Hardware Racks, Being Wheels Bearing Bottles for Holding Nuts, Screws, Tacks, and Other Small Articles of Hardware. L. Lyle Baker, doing business as L. Lyle Baker Co., Bismarck, Mo.
Filed Sept. 9, 1948, Serial No. 566,826. Published Oct. 30, 1951. Class 13.

553,728. Gas-Fired Unit Heaters. James B. Clow & Sons, Chicago, Ill.
Filed Oct. 14, 1948, Serial No. 566,972. Published Sept. 11, 1951. Class 34.

553,729. Hat Covers Applied to Hats as a Protective Covering Against Dust During Storage of Such Hats and Also as a Protective Covering During Inclement Weather. Joseph Lincoln Manufacturing Company, Inc., Covington, Ohio.
Filed Oct. 29, 1948, Serial No. 567,866. Published Oct. 9, 1951. Class 39.

553,730. Canned Bean Sprouts, and Fast Frozen Vegetable Chop Suey. Soya Food Products, Inc., Cincinnati, Ohio.
Filed Nov. 10, 1948, Serial No. 568,544. Published Sept. 18, 1951. Class 46.

553,731. Bow Ties, Straight Ties, Etc. Dan Wahl, New York, N. Y.
Filed Dec. 2, 1948, Serial No. 569,785. Published Dec. 12, 1950. Class 39.

553,732. Whiskey. Geo. H. Gould Company, Incorporated, Louisville, Ky.
Filed Dec. 13, 1948, Serial No. 570,415. Published Sept. 25, 1951. Class 49.

553,733. Compositions in Tablet Form for the Preparation of Germicidal Solutions. Edwards-Councilor Company, Norfolk, Va., assignor, by mesne assignments, to Edwards-Councilor Co., Inc., a corporation of Virginia.
Filed Dec. 10, 1948, Serial No. 570,748. Published Nov. 22, 1949. Class 18.

553,734. Natural or Synthetic Rubber; Known as Camelback for Retreading and Recapping Vehicle Tires. The Mohawk Rubber Company, Akron, Ohio.
Filed Dec. 20, 1948, Serial No. 570,873. Published Nov. 6, 1951. Class 35.

553,735. Antiseptic Preparation—Namely, Disinfectant. Ciba Limited, Basel, Switzerland.
Filed Jan. 12, 1949, Serial No. 572,018. Published Sept. 18, 1951. Class 18.

553,736. Metal Valves for Fluid Conducting Installations for Conducting Steam, Water, Oil, Air, Gas, Chemicals and Other Fluids, Etc. Jenkins Bros., New York, N. Y., and Bridgeport, Conn.
Filed Jan. 29, 1949, Serial No. 573,038. Published Oct. 30, 1951. Class 13.

553,737. Metal Valves for Fluid Conducting Installations for Conducting Steam, Water, Oil, Air, Gas, Chemicals and Other Fluids, Etc. Jenkins Bros., New York, N. Y., and Bridgeport, Conn.
Filed Jan. 29, 1949, Serial No. 573,039. Published Oct. 30, 1951. Class 13.

553,738. Metal Valves for Fluid Conducting Installations for Conducting Steam, Water, Oil, Air, Gas, Chemicals and Other Fluids, Etc. Jenkins Bros., New York, N. Y., and Bridgeport, Conn.
Filed Jan. 29, 1949, Serial No. 573,040. Published Oct. 30, 1951. Class 13.

553,739. Work Clothing—Namely, Dungarees, Jackets, Western Shirts, and Ranch Pants, All for the Use of Men and Boys. Williamson-Dickie Manufacturing Co., Fort Worth, Tex.
Filed Feb. 3, 1949, Serial No. 573,281. Published Oct. 9, 1951. Class 39.

553,740. Rubber Garbage Pails. Nesco, Inc., Chicago, Ill., assignee of Pila-Pail Co. Inc.
Filed Feb. 4, 1949, Serial No. 573,335. Published Oct. 23, 1951. Class 2.

553,741. General Cleaning Compound Comprising Granular Material and Soap, Particularly Suited for Cleaning Kitchen Equipment and Cooking and Serving Utensils. Century Metalcraft Corporation, Los Angeles, Calif.
Filed Feb. 10, 1949, Serial No. 573,645. Published Oct. 30, 1951. Class 52.

553,742. Fresh Eggs. Bowman Dairy Company, Chicago, Ill.
Filed Feb. 23, 1949, Serial No. 574,338. Published Sept. 25, 1951. Class 46.

553,743. Men's Knitted Underwear and T Shirts, Knitted Undershirts, and Polo Shirts. Fort Schuyler Knitting Company, Utica, N. Y.
Filed Mar. 29, 1949, Serial No. 576,258. Published Nov. 14, 1950. Class 39.

553,744. Flavoring Extracts for Food Purposes. Fred Fear & Co., Brooklyn, N. Y., and elsewhere, by merger with Burton-Morrow Company, Inc.
Filed Mar. 31, 1949, Serial No. 576,397. Published Sept. 25, 1951. Class 46.

553,745. Penicillin Products Administered Orally in the Treatment of Disease or Infectious Processes. Schenley Laboratories, Inc., New York, N. Y.
Filed Apr. 8, 1949, Serial No. 576,826. Published May 16, 1950. Class 18.

553,746. Bicycles. Monark Silver King, Inc., Chicago, Ill.
Filed Apr. 15, 1949, Serial No. 577,221. Published Oct. 16, 1951. Class 19.

553,747. Preparation Containing Keratin for Use After Shampooing, Prior to Permanent Waving, Finger Waves, and After the Use of Tints and Dyes, Which Forms a Flexible Coating Over the Hairs, and Lessens the Danger From the Various Treatments to Weak or Damaged Hair. The Wella Corporation, New York, N. Y.
Filed Apr. 29, 1949, Serial No. 577,997. Published Sept. 4, 1951. Class 51.

553,748. Mechanical Instrument for Use in Determining, Before Giving a Cold Wave Permanent, the Length of Time Requisite for Treating Each Head of Hair With Any Selected Cold Wave Solution, Etc. Rad, Inc., Moline, Ill.
Filed Apr. 30, 1949, Serial No. 578,046. Published Oct. 30, 1951. Class 26.

553,749. Automatic Stokers and Automatic Stoker Fired Furnaces. Iron Fireman Manufacturing Company, Portland, Oreg.
Filed May 11, 1949, Serial No. 578,856. Published Oct. 16, 1951. Class 34.

553,750. Binoculars, Object Glass Lenses, Eye-Pieces, Micrometers, Thread Counters, Etc. Anciens Etablissements Barbier-Bénard & Turenne, Paris, France.
Filed May 17, 1949, Serial No. 578,948. Published Oct. 9, 1951. Class 26.

553,751. Heat Exchange Devices, Such as Unit Heaters, Convectors, Convector Cabinets, Etc. Young Radiator Company, Racine, Wis.
Filed May 18, 1949, Serial No. 579,066. Published Sept. 18, 1951. Class 34.

553,752. Poultry and Livestock Feeds Consisting of Grains and Other Ingredients; and Dairy Rations Comprised of Soy Bean Oil Meal, Peanut Oil Meal, Cotton Seed Meal, and Other Ingredients. Lindsey-Robinson & Company, Inc., Roanoke, Va.
Filed May 25, 1949, Serial No. 579,504. Published Sept. 25, 1951. Class 46.

553,753. Mirror and Lipstick Container Combination, Sold Empty in the Trade as a Unit. Majestic Metal Specialties, Inc., New York, N. Y.
Filed May 28, 1949, Serial No. 579,696. Published Oct. 23, 1951. Class 2.

553,754. Angle Valves, Globe Valves, and Y Valves. The William Powell Company, Cincinnati, Ohio.
Filed June 2, 1949, Serial No. 579,890. Published Oct. 30, 1951. Class 13.

553,755. Whiskey. Popper Morson Company, New York, N. Y., assignee of Popper-Morson Corporation.
Filed June 3, 1949, Serial No. 579,943. Published Aug. 28, 1951. Class 49.

553,756. Footballs, Beach Balls, Baseballs, Toy Balloons, Etc. Joe Lowe Corporation, New York, N. Y.
Filed June 7, 1949, Serial No. 580,069. Published Oct. 3, 1950. Class 22.

553,757. Wooden Handle Sticks for Suckers. Joe Lowe Corporation, New York, N. Y.
Filed June 7, 1949, Serial No. 580,072. Published Sept. 19, 1950. Class 13.

553,758. Men's, Women's, and Children's Pajamas, Pajama Coats, Beach Coats, and Bath Robes. Kaylon Incorporated, New York, N. Y.
Filed June 29, 1949, Serial No. 581,266. Published Oct. 9, 1951. Class 39.

553,759. Neckwear—Namely, Neckties. John Z. Brauman, Inc., New York, N. Y.
Filed July 8, 1949, Serial No. 581,643. Published Oct. 9, 1951. Class 39.

553,760. Annular Seals Between Relatively Rotatable Structures. Brummer Manufacturing Corporation, Chicago Heights, Ill.
Filed July 8, 1949, Serial No. 581,645. Published Nov. 6, 1951. Class 35.

553,761. Preparation for the Treatment of Psoriasis. Jules V. Cordes, doing business as Shield Laboratories, Detroit, Mich.
Filed July 19, 1949, Serial No. 582,165. Published Sept. 18, 1951. Class 18.

553,762. Preparation for the Treatment of Psoriasis. Jules V. Cordes, doing business as Shield Laboratories, Detroit, Mich.
Filed July 19, 1949, Serial No. 582,167. Published Sept. 18, 1951. Class 18.

553,763. Pharmaceutical Preparation of Crystalline Testicular Hormone in Tablet Form for Transmucosal Absorption. Casimir Funk Laboratories, Inc., New York, N. Y.
Filed July 21, 1949, Serial No. 582,283. Published Sept. 18, 1951. Class 18.

553,764. Wines. California Grape Products Company, Ltd., New York, N. Y.
Filed July 23, 1949, Serial No. 582,412. Published Oct. 9, 1951. Class 47.

553,765. Whiskies and Gin. Stitzel-Weller Distillery, Louisville and Shively, Ky.
Filed June 16, 1949, Serial No. 582,397. Published Aug. 28, 1951. Class 49.

553,766. Powdered Medicament for Skin Absorption by Osmosis From an Aqueous Bath and Used in the Treatment of Chronic Deep Seated Infections. H. Hall Marshall, doing business as Consultants' Laboratories of New Jersey, Millington, N. J.
Filed July 13, 1949, Serial No. 582,669. Published Sept. 4, 1951. Class 18.

553,767. Salve for Treatment of Burns, Scrofula, Lacerations, Piles, and Blood Poison. Mariam Hill, New Philadelphia, Ohio.
Filed July 30, 1949, Serial No. 582,730. Published July 17, 1951. Class 18.

553,768. Hardware—Namely, Door Hooks, Casement Checks, Coat and Hat Hooks, Etc. The Cipco Corporation, St. Louis, Mo.
Filed Aug. 1, 1949, Serial No. 582,770. Published Oct. 30, 1951. Class 13.

553,769. Hair Dryers and Vibrators for Massaging Purposes. Morris Struhl, Inc., New York, N. Y., and Jersey City, N. J.
Filed Aug. 3, 1949, Serial No. 582,927. Published Sept. 11, 1951. Class 44.

553,770. Whiskey. The Old Joe Distillery Company, Lawrenceburg, Ky.
Filed Aug. 6, 1949, Serial No. 583,111. Published Aug. 28, 1951. Class 49.

553,771. Liniment for the Relief of Pains Resulting From Rheumatism, Neuralgia, Cramps, and Stiff Joints. Albert C. Hinton, Pittsburgh, Pa.
Filed Aug. 9, 1949, Serial No. 583,206. Published Sept. 18, 1951. Class 18.

553,772. Women's Dresses. Ely & Walker Dry Goods Company, St. Louis, Mo.
Filed Aug. 16, 1949, Serial No. 583,528. Published Oct. 30, 1951. Class 39.

553,773. Watches, Watch Cases, and Watch Movements. William B. Ogush, Inc., New York, N. Y.
Filed Aug. 17, 1949, Serial No. 583,611. Published Mar. 13, 1951. Class 27.

553,774. Disinfectant, Germicidal Preparation Which May Be Used as an Antiseptic Douche or as a General Disinfectant. Horton & Converse, Los Angeles, Calif.
Filed Aug. 22, 1949, Serial No. 583,800. Published Sept. 11, 1951. Class 18.

553,775. Costume Jewelry—Namely, Necklaces, Bracelets, Fingerrings, Earrings, Brooches With and of Cultured Pearls. Interatlantic Trading Corp., New York, N. Y.
Filed Aug. 27, 1949, Serial No. 584,124. Published Sept. 4, 1951. Class 28.

553,776. Agricultural Chemicals in the Nature of Insecticides, Fungicides, and Herbicides; and Household and Industrial Germicides and Disinfectants. Acme White Lead & Color Works, Detroit, Mich., now by change of name Acme Quality Paints, Inc.
Filed Aug. 30, 1949, Serial No. 584,214. Published Nov. 6, 1951. Class 6.

553,777. Hormone Preparation. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Sept. 1, 1949, Serial No. 584,355. Published Sept. 25, 1951. Class 18.

553,778. Women's Slips, Gowns, Panties, Petticoats, and Bedjackets. Holeproof Hosiery Co., Milwaukee, Wis.
Filed Sept. 3, 1949, Serial No. 584,453. Published Oct. 30, 1951. Class 39.

553,779. Veterinary Medicines Based on 4:4' Diaminodiphenylsulphone. Imperial Chemical (Pharmaceuticals) Limited, London, England.
Filed Sept. 14, 1949, Serial No. 584,814. Published Sept. 4, 1951. Class 18.

553,780. Pearl Necklaces, Pearl Earrings, Pearl Bracelets, Strings of Pearls, All Pearl Jewelry for Personal Wear and Adornment Not Including Watches. Weinreich Brothers Company, New York, N. Y.
Filed Sept. 17, 1949, Serial No. 585,002. Published Sept. 18, 1951. Class 28.

553,781. Burlap, Cloth, and Cotton Bags, Sacks, Baskets, and Hampers of Textile Materials, and Textile Liners Therefor and for Boxes, Cases, Cartons, Baskets, Barrels, and Crates. Industrial Bag & Specialties, Inc., Detroit, Mich.
Filed Sept. 19, 1949, Serial No. 585,026. Published June 19, 1951. Class 2.

553,782. Wrist Watch Straps. Alfred M. Walker, doing business as B. Prince & Co., San Francisco, Calif.
Filed Sept. 20, 1949, Serial No. 585,089. Published Sept. 4, 1951. Class 28.

553,783. Toilet Water. Charles of the Ritz, Inc., New York, N. Y., assignor, by mesne assignments, to Parfumerie Provencal, Inc., New York, N. Y., a corporation of New York.
Filed Sept. 28, 1949, Serial No. 585,427. Published Sept. 11, 1951. Class 51.

553,784. Vitamin and Protein Supplement Adapted for Use as an Ingredient of Feeds for Commercially Fed Animals and Poultry, Including Chickens, Turkeys, Ducks, Geese, Pigs, Cattle, Dogs, Foxes, Mink, Horses, Hatchery Fish, and Pigeons. Dawe's Manufacturing Company, Chicago, Ill.
Filed Sept. 28, 1949, Serial No. 585,441. Published Sept. 25, 1951. Class 18.

553,785. Ducts and Connecting Hose Assembly for Withdrawing Directly to Atmosphere the Exhaust Gases From Automobiles in Service Garages. Kent-Moore Organization, Inc., Detroit, Mich.
Filed Aug. 15, 1949, Serial No. 585,482. Published Oct. 16, 1951. Class 34.

553,786. Cheese. Antonio Auricchio & Errico Auricchio, Naples, Italy, and New York, N. Y.
Filed Sept. 28, 1949, Serial No. 585,501. Published Oct. 23, 1951. Class 46.

553,787. Vitamin A and D Preparation Used as a Dietary Aid. Abbott Laboratories, North Chicago, Ill.
Filed Oct. 8, 1949, Serial No. 585,983. Published Sept. 18, 1951. Class 18.

553,788. Hamburger Sandwiches. C. F. Cedarholm, Vancouver, Wash.
Filed Oct. 12, 1949, Serial No. 586,141. Published Oct. 23, 1951. Class 46.

553,789. Diamond Compounds Composed of Diamond Particles Suspended in a Paste and Employed for Cutting, Lapping, and Polishing. J. K. Smit & Sons, Inc., Murray Hill, N. J., assignor to J. K. Smit & Sons, Inc., Murray Hill, N. J., a corporation of New Jersey.
Filed Oct. 19, 1949, Serial No. 586,552. Published Oct. 30, 1951. Class 4.

553,790. Yarn Composed of Rabbit Hair, Wool, and a Combination of Wool and Rayon. Emanuel Flock, doing business as Lovely Yarn Company, Philadelphia, Pa.
Filed Oct. 20, 1949, Serial No. 586,595. Published Oct. 23, 1951. Class 43.

553,791. Decorative Laminated Plastic Sheets. Continental Can Company Inc., New York, N. Y.
Filed Oct. 28, 1949, Serial No. 586,959. Published Sept. 25, 1951. Class 12.

553,792. Herbal Preparation for Human Use in the Treatment of Arthritis, Rheumatism, Indigestion, Neurasthenia, Obesity, Insomnia, Abnormal Blood Pressure, Liver and Kidney Troubles, Impurities of the Blood, Sciatica, Lumbago, and Neuritis. Charles James Hand, trading as The Brazilian Yerbama Co., London, England.
Filed Oct. 28, 1949, Serial No. 586,070. Published Sept. 4, 1951. Class 18.

553,793. Laundry Bleach. The Perfex Company, Shenandoah, Iowa, now by change of name The Rapp-Ramsey Company.
Filed Nov. 21, 1949, Serial No. 588,142. Published Nov. 6, 1951. Class 6.

553,794. Scotch Whisky. George Ballantine & Son Limited, Dumbarton, Scotland.
Filed Nov. 22, 1949, Serial No. 588,156. Published Sept. 4, 1951. Class 49.

553,795. Wines. F. Pirrone & Sons, Inc., Garfield, N. J.
Filed Nov. 29, 1949, Serial No. 588,513. Published Oct. 2, 1951. Class 47.

553,796. Stock Feeding Salt. Jefferson Island Salt Company, Louisville, Ky.
Filed Nov. 14, 1949, Serial No. 588,834. Published Sept. 25, 1951. Class 46.

553,797. Nickel Chromium Alloy Cast Iron. Georgia Iron Works Company, Augusta, Ga.
Filed Dec. 6, 1949, Serial No. 588,859. Published Aug. 21, 1951. Class 14.

553,798. Cosmetic Powder Cases, Lipstick Cases, Mascara Cases, Eye-Shadow Cases, and Toilet Rouge Cases, Made From Base Metal or Plastic and Sold Empty in the Trade. Vogue Vanities Limited, Handsworth, Birmingham, England.
Filed Dec. 6, 1949, Serial No. 588,913. Published Oct. 30, 1951. Class 2.

553,799. Chemical Substances Used in Treating Metals Preparatory to Stamping, Drawing, Extruding, or Other Forming or Deforming Operations. Heintz Manufacturing Company, Philadelphia, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania.
Filed Dec. 9, 1949, Serial No. 589,091. Published Nov. 6, 1951. Class 6.

553,800. Fresh Frozen Shrimp. Carmen Sea Food Company, Los Angeles, Calif.
Filed Dec. 10, 1949, Serial No. 589,143. Published Nov. 6, 1951. Class 46.

553,801. Inhalers for Oxygen Administration and Resuscitation, Etc. The Foregger Company, Inc., Roslyn Heights, N. Y.
Filed Dec. 10, 1949, Serial No. 589,153. Published Sept. 18, 1951. Class 44.

553,802. Flock Surfaced Paper Carriers—Namely, Paper Tubes and Cones Adapted To Receive and Carry on Their Outer Surface Windings of Yarn or Other Material. Sonoco Products Company, Hartsville, S. C.
Filed Dec. 19, 1949, Serial No. 589,599. Published Nov. 6, 1951. Class 2.

553,803. Clocks. General Time Corporation, New York, N. Y., and Thomaston, Conn.
Filed Dec. 23, 1949, Serial No. 589,846. Published Mar. 13, 1951. Class 27.

553,804. Wetting Agents for Dust Control Purposes, and in Fighting Fires. The Johnson-March Corporation, Philadelphia, Pa.
Filed Dec. 28, 1949, Serial No. 590,022. Published Nov. 6, 1951. Class 6.

553,805. Anti-Freeze Solutions for the Engine Cooling Systems of Automobiles and Other Internal Combustion Engines. Carpenter Oil Inc., Des Moines, Iowa.
Filed Jan. 6, 1950, Serial No. 590,421. Published Nov. 6, 1951. Class 6

553,806. Men's and Boys' Trousers. Thomson Company, Thomson, Ga.
Filed Jan. 7, 1950, Serial No. 590,534. Published Nov. 14, 1950. Class 39.

553,807. Coffee Roasters and Driers. Jabez Burns & Sons, Inc., New York, N. Y.
Filed Jan. 11, 1950, Serial No. 590,644. Published Sept. 18, 1951. Class 34.

553,808. Breakfast Cereal Preparations—Namely, Barley, Oatmeal, and a Specially Prepared Mixture, Principally Containing Semolina, Whole Wheat Flour, Corn Meal, and Wheat Germ. Gerber Products Company, Fremont, Mich.
Filed Jan. 12, 1950, Serial No. 590,744. Published Nov. 6, 1951. Class 46.

553,809. Men's, Women's, Misses', and Children's Caps; Hats; Shoes of Leather, Calfskin, Satin, Brocade, Snakeskin and Kid; Etc. William Skinner & Sons, Holyoke, Mass., and New York, N. Y.
Filed Jan. 19, 1950, Serial No. 591,112. Published Oct. 9, 1951. Class 39.

553,810. Metal Scouring Sponge. Kurt W. Zimmer, Chicago, Ill., assignor to Kleenette Mfg. Co., Chicago, Ill., a corporation of Illinois.
Filed Jan. 20, 1950, Serial No. 591,213. Published Oct. 16, 1951. Class 4.

553,811. Liquid Balm for Relieving Pain in the Human Body. Paul B. Elder Co., Bryan, Ohio.
Filed Jan. 24, 1950, Serial No. 591,361. Published Sept. 18, 1951. Class 18.

553,812. Rubber Adhesive Cement Used for Pasting Paper to Paper, Paper to Plastic, Paper to Glass, and Paper to Cardboard. B. K. Elliott Company, Pittsburgh, Pa.
Filed Jan. 26, 1950, Serial No. 591,465. Published Oct. 16, 1951. Class 5.

553,813. Hand and Power Operated Dampers for Control of Air or Gas Flow, Including Such Types as Louver, Constant Velocity, Hand Quadrant, Single Blade and Round Dampers; Heating Equipment Dampers; and Humidifiers. The Powers Regulator Company, Chicago, Ill.
Filed Feb. 1, 1950, Serial No. 591,799. Published Sept. 18, 1951. Class 34.

553,814. Skirts, Women's Jackets, and Women's Hats. Handmacher-Vogel, Inc., New York, N. Y.
Filed Feb. 3, 1950, Serial No. 591,926. Published Oct. 23, 1951. Class 39.

553,815. Slacks for Men and Women. Liberty Trouser & Overall Co., Birmingham, Ala.
Filed Feb. 3, 1950, Serial No. 591,936. Published Oct. 9, 1951. Class 39.

553,816. Ground Barytes for Oil and Gas Well Drilling. Mobar Corporation, Mineral Point, Mo.
Filed Feb. 15, 1950, Serial No. 592,508. Published Oct. 16, 1951. Class 1.

553,817. Antacid Tablet. Special Milk Products, Inc., Los Angeles, Calif., now by change of name Jackson-Mitchell Pharmaceuticals, Inc., a corporation of California.
Filed Feb. 15, 1950, Serial No. 592,523. Published Sept. 18, 1951. Class 18.

553,818. Strainers, Vacuum Float Vents, and Traps for Use in Connection With Heating. Sterling, Inc., Milwaukee, Wis.
Filed Feb. 20, 1950, Serial No. 592,787. Published Oct. 30, 1951. Class 13.

553,819. Resilient Floor Tile. Armstrong Cork Company, Lancaster, Pa.
Filed Feb. 21, 1950, Serial No. 592,797. Published Sept. 25, 1951. Class 12.

553,820. Paraffin, Tapers and Candles Made Therefrom for Heating and Lighting Purposes. Verkade's Fabrieken N. V., Zaandam, Netherlands.
Filed Feb. 21, 1950, Serial No. 592,853. Published Sept. 18, 1951. Class 15.

553,821. Portable Top-of-Stove Ovens for Baking, Warming or Crisping Foods. The Parkersburg Steel Company, Parkersburg, W. Va.
Filed Feb. 25, 1950, Serial No. 593,079. Published Oct. 30, 1951. Class 13.

553,822. Misses' and Ladies' Dresses. Murray White Company, Boston, Mass.
Filed Feb. 28, 1950, Serial No. 593,197. Published Oct. 30, 1951. Class 39.

553,823. Medical Preparation—Namely, an Ointment for the Treatment of Burns. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Mar. 2, 1950, Serial No. 593,287. Published Sept. 18, 1951. Class 18.

553,824. Evaporated Milk. Morning Milk Company, Wellsville, Utah, and Los Angeles, Calif.
Filed Mar. 4, 1950, Serial No. 593,432. Published Oct. 23, 1951. Class 46.

553,825. Men's and Boys' Dress Shirts, Negligee Shirts, Work Shirts and Parts Thereof, To Wit, Neckbands, Cuffs and Shirt Fronts; Men's, Women's, Boys', and Girls' Sport Shirts, Jackets, and Coats; Men's and Boys' Pajamas and Underwear; Men's and Women's, Boys' and Girls' Sweaters, Handkerchiefs, Neckties, and Hosiery. Phillips-Jones Corporation, New York, N. Y.
Filed Mar. 7, 1950, Serial No. 593,547. Published Oct. 9, 1951. Class 39.

553,826. Corsets, Girdles, and Brassières. I. Newman & Sons, Incorporated, New Haven, Conn.
Filed Mar. 8, 1950, Serial No. 593,608. Published Sept. 19, 1950. Class 39.

553,827. Sheet and Strip Metal Plated With Metal. American Nickeloid Company, Peru, Ill.
Filed Mar. 14, 1950, Serial No. 593,899. Published Nov. 6, 1951. Class 14.

553,828. Brass-Plated Sheet and Strip Metal. American Nickeloid Company, Peru, Ill.
Filed Mar. 14, 1950, Serial No. 593,900. Published Nov. 6, 1951. Class 14.

553,829. Nickel Plated Sheet and Strip Metal. American Nickeloid Company, Peru, Ill.
Filed Mar. 14, 1950, Serial No. 593,901. Published Nov. 6, 1951. Class 14.

553,830. Men's, Women's, Boys', and Girls' Outer Shirts and Men's and Boys' Ties. Phillips-Jones Corporation, New York, N. Y.
Filed Mar. 16, 1950, Serial No. 594,062. Published Oct. 9, 1951. Class 39.

533,831. Non-Jacketed Plastic Composition Packing for General Industrial Use. Raybestos-Manhattan, Inc., Passaic, N. J.
Filed Mar. 18, 1950, Serial No. 594,234. Published Nov. 6, 1951. Class 35.

553,832. Digitoxin Preparations. Edgar A. Ferguson, Brooklyn, N. Y.
Filed Mar. 22, 1950, Serial No. 594,373. Published Sept. 25, 1951. Class 18.

553,833. Gloves Made of Fabric and Leather. Fairfield Glove Co., Fairfield, Iowa.
Filed Mar. 27, 1950, Serial No. 594,705. Published Oct. 23, 1951. Class 39.

553,834. Cheese. Kraft Foods Company, Chicago, Ill.
Filed Mar. 29, 1950, Serial No. 594,849. Published Oct. 30, 1951. Class 46.

553,835. Canned Fruits, Canned Vegetables, Canned Fish, Canned Fruit Cocktail, Canned Tomato Paste, Tomato Catsup, and Canned Deciduous Fruit Juices. Berger & Plate Company of San Francisco, San Francisco, Calif.
Filed Mar. 31, 1950, Serial No. 594,946. Published Oct. 9, 1951. Class 46.

553,836. Rice. Rice Growers Association of California, Sacramento, Calif.
Filed Mar. 31, 1950, Serial No. 594,995. Published Oct. 23, 1951. Class 46.

553,837. Cleansing and Revitalizing Compound for Use on Printing Ink Transfer Surfaces for Removing the Ink and Dirt Therefrom and Revitalizing the Composition of Which These Surfaces Are Composed. Martin Driscoll & Company, Chicago, Ill.
Filed Apr. 1, 1950, Serial No. 595,065. Published Oct. 30, 1951. Class 52.

553,838. Woolen Goods in the Piece. Worumbo Manufacturing Company, Lisbon Falls, Maine.
Filed Apr. 6, 1950, Serial No. 595,348. Published Oct. 30, 1951. Class 42.

553,839. Wines. Padre Vineyard Company, Los Angeles and Cucamonga, Calif.
Filed Apr. 7, 1950, Serial No. 595,393. Published Sept. 4, 1951. Class 47.

553,840. Electronic Pressure Gauges and Pressure Sensitive Elements for Electronic Pressure Gauges. Aeroquip Corporation, Jackson, Mich.
Filed Apr. 14, 1950, Serial No. 595,697. Published Oct. 23, 1951. Class 26.

553,841. Electronic Pressure Gauges and Pressure Sensitive Elements for Electronic Pressure Gauges. Aeroquip Corporation, Jackson, Mich.
Filed Apr. 14, 1950, Serial No. 595,700. Published Oct. 23, 1951. Class 26.

553,842. Yarns. Eastyarn, Inc., Brooklyn, N. Y.
Filed Apr. 14, 1950, Serial No. 595,713. Published Oct. 23, 1951. Class 43.

553,843. Preparation for the Treatment of Peptic Ulcers. Nion Corporation, Los Angeles, Calif.
Filed Apr. 15, 1950, Serial No. 595,794. Published Sept. 11, 1951. Class 18.

553,844. Farm Wagons Incorporating a Belt-Type Unloading Conveyor. Helix Corporation, Crown Point, Ind.
Filed Apr. 17, 1950, Serial No. 595,838. Published Oct. 2, 1951. Class 19.

553,845. Boys' Slacks, Overalls, Overall Union Suits, Jackets, and Dungarees. Hortex Manufacturing Co., Inc., El Paso, Tex.
Filed Apr. 21, 1950, Serial No. 596,094. Published Oct. 23, 1951. Class 39.

553,846. Medical Preparation—Namely, a Sterile Solution of Thiamine and Pyridoxine for Treatment of Vomiting in Pregnancy. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Apr. 22, 1950, Serial No. 596,189. Published Sept. 4, 1951. Class 18.

553,847. Anti-Malarial Drugs. Parlam Corporation, New York, N. Y.
Filed Apr. 27, 1950, Serial No. 596,437. Published Sept. 18, 1951. Class 18.

553,848. Apple Juice as a Food Drink and Deciduous Fresh Fruits. Berks-Lehigh Cooperative Fruit Growers, Inc., Fleetwood, Pa.
Filed Apr. 28, 1950, Serial No. 596,475. Published Oct. 23, 1951. Class 46.

553,849. Liquid Adhesive Cement Particularly Adapted for Attaching Cork to Metal Surfaces. Caterpillar Tractor Co., Peoria, Ill.
Filed May 3, 1950, Serial No. 596,778. Published Sept. 4, 1951. Class 5.

553,850. Wines. Ben R. Goltsman, Ltd., Montgomery, Ala.
Filed May 4, 1950, Serial No. 596,840. Published Oct. 2, 1951. Class 47.

553,851. Meat and Vegetable Aspics. Majthenyi's Food Corp., Roosevelt, N. Y.
Filed May 4, 1950, Serial No. 596,856. Published Sept. 18, 1951. Class 46.

553,852. Medicinal and Pharmaceutical Preparations—Namely, Amino Acid Preparations, Analgesic Balm, Etc. Vitaminerals, Inc., Glendale, Calif.
Filed May 4, 1950, Serial No. 596,887. Published Sept. 18, 1951. Class 18.

553,853. Vacuum Operated Control Valve for Operating Discharge Valves. Well Equipment Mfg. Corp., Houston, Tex.
Filed May 4, 1950, Serial No. 596,889. Published Oct. 30, 1951. Class 13.

553,854. Self-Cooling Water Bag Made of Linen. White-Stag Manufacturing Corporation, doing business as Hirsch-Weis Canvas Products Co., Portland, Oreg.
Filed May 4, 1950, Serial No. 596,891. Published Oct. 30, 1951. Class 2.

553,855. Quaternary Synergist (Reducing Blood-Pressure Effectively by Four Different Physiological Mechanisms). G. S. Stoddard & Co., Inc., New York, N. Y.
Filed May 2, 1950, Serial No. 597,040. Published Sept. 11, 1951. Class 18.

553,856. Package Coffee and Package Condiments—Namely, Salad Dressing and Mayonnaise. The Creasey Company, Louisville, Ky.
Filed May 8, 1950, Serial No. 597,067. Published Oct. 30, 1951. Class 46.

553,857. Traps, Sink Wastes, and Sink Strainers. The M. S. Little Manufacturing Company, Hartford, Conn.
Filed May 9, 1950, Serial No. 597,153. Published Oct. 30, 1951. Class 13.

553,858. Light Weight Row Boats, Canoes and Out-Board Motor Boats. The American Fiberlast Company, Augusta, Maine.
Filed May 13, 1950, Serial No. 597,374. Published Oct. 9, 1951. Class 19.

553,859. Fresh Vegetables. D'Arrigo Bros. Co. of California, San Jose, Calif.
Filed May 15, 1950, Serial No. 597,435. Published Oct. 30, 1951. Class 46.

553,860. Frozen Fruits and Vegetables. Ark-Homa Farms Frozen Foods, Inc., Fort Smith, Ark.
Filed May 19, 1950, Serial No. 597,729. Published Oct. 9, 1951. Class 46.

553,861. Compound for the Prevention and Control of Cecal Coccidiosis in Chickens. Barker, Moore & Mein Company, Philadelphia, Pa.
Filed May 22, 1950, Serial No. 597,868. Published Sept. 18, 1951. Class 18.

553,862. Automobiles, Structural Parts Therefor. Nash-Kelvinator Corporation, Detroit, Mich., and Kenosha, Wis.
Filed May 22, 1950, Serial No. 597,894. Published Oct. 16, 1951. Class 19.

553,863. Dry Form Sulfur Mixture for Use as a Spray or Dust as an Agricultural Pesticide Including Insecticide, Fungicide, and Herbicide. Wilson & Toomer Fertilizer Co., Jacksonville, Fla.
Filed May 22, 1950, Serial No. 597,926. Published Nov. 6, 1951. Class 6.

553,864. Non-Siphoning Bath and Cabinet Traps. Fred M. Dressel, doing business as The Dressel Manufacturing Co., Kingston, N. Y.
Filed May 25, 1950, Serial No. 598,069. Published Oct. 30, 1951. Class 13.

553,865. Temperature-Recording Instruments and the Like. The Foxboro Company, Foxboro, Mass.
Filed May 26, 1950, Serial No. 598,176. Published Oct. 23, 1951. Class 26.

553,866. Pressure Sensitive Adhesive Tape. Adhesive Tapes Limited, London, England.
Filed May 31, 1950, Serial No. 598,342. Published Oct. 16, 1951. Class 5.

553,867. Combined Package of Raw Popcorn, Popping Oil—Namely, Coconut Oil—and Seasoning—Namely, Salt—for Use in Making Popped Corn. Benjamin Banowitz, doing business as B. & B. Enterprises, Chicago, Ill.
Filed June 3, 1950, Serial No. 598,518. Published Sept. 25, 1951. Class 46.

553,868. Burial Vaults. Wilbert W. Haase Co., Forest Park, Ill.
Filed June 7, 1950, Serial No. 598,723. Published Oct. 30, 1951. Class 2.

553,869. Industrial Ovens and Dryers Including Heating Means. Young Brothers Company, Cleveland, Ohio.
Filed June 7, 1950, Serial No. 598,770. Published Sept. 18, 1951. Class 34.

553,870. Burner Tips for Gas. American Lava Corporation, Chattanooga, Tenn.
Filed June 9, 1950, Serial No. 598,823. Published Sept. 18, 1951. Class 34.

553,871. Piece Goods Made of Wool and Synthetic Fibres. The Cyril Johnson Woolen Company, Stafford Springs, Conn.
Filed June 13, 1950, Serial No. 599,000. Published Oct. 23, 1951. Class 42.

553,872. Adhesive Tape Sold by the Yard and in Rolls and in Sections for Use in Connection With Breast Covers Which Can Be Affixed to the Body by Adhesive Means. Posees, Inc., Jersey City, N. J.
Filed June 13, 1950, Serial No. 599,014. Published Sept. 4, 1951. Class 5.

553,873. Oil Burners and Air Registers. Todd Shipyards Corporation, New York, N. Y.
Filed May 6, 1950, Serial No. 599,048. Published Oct. 2, 1951. Class 34.

553,874. Antibiotic Preparation. Chas. Pfizer & Co., Inc., a corporation of New Jersey, Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc., a corporation of Delaware.
Filed June 15, 1950, Serial No. 599,189. Published Sept. 11, 1951. Class 18.

553,875. Ladies' Blouses Arthur Shapiro, Brooklyn, N. Y.
Filed June 23, 1950, Serial No. 599,661. Published Oct. 23, 1951. Class 39.

553,876. Water Neutralizing Material. Elgin Softener Corporation, Elgin, Ill.
Filed June 26, 1950, Serial No. 599,754. Published Nov. 6, 1951. Class 6.

553,877. Overhead Doors, Combination Doors, Screen Windows, and Storm Sashes. Phenix Manufacturing Company Inc., Milwaukee, Wis.
Filed June 26, 1950, Serial No. 599,778. Published Sept. 25, 1951. Class 12.

553,878. Packaged Turkey Portions. Henny Penny, Inc., Salt Lake City, Utah.
Filed June 27, 1950, Serial No. 599,828. Published Oct. 30, 1951. Class 46.

553,879. Paper Plates and Cups. Sterling Products, Inc., Los Angeles, Calif.
Filed June 27, 1950, Serial No. 599,849. Published Nov. 6, 1951. Class 2.

553,880. Throat Lozenges. Foley & Company, Chicago, Ill.
Filed June 28, 1950, Serial No. 599,868. Published Sept. 25, 1951. Class 18.

553,881. Inhalants for the Treatment of Asthma and Other Respiratory Diseases. A. H. Crundall Proprietary Limited, Melbourne, Victoria, Australia.
Filed Dec. 28, 1949, Serial No. 600,007. Published Sept. 18, 1951. Class 18.

553,882. Lighting Fixtures—Namely, Lighting Reflectors. Garden City Plating & Manufacturing Co., Chicago, Ill.
Filed June 30, 1950, Serial No. 600,043. Published Sept. 18, 1951. Class 34.

553,883. Lanolin Lotion, Suntan Lotion, Toilet Cream, Toilet Cream in Wafer Form, Face Powder, Face Powder in Compact Form, Lipsticks and Rouge. Botany Mills, Inc., Passaic, N. J.
Filed July 1, 1950, Serial No. 600,115. Published Oct. 2, 1951. Class 51.

553,884. Dyes and Dressings for Leather Goods and the Like. The Magidiz Co., San Francisco, Calif.
Filed July 5, 1950, Serial No. 600,222. Published Nov. 6, 1951. Class 6.

553,885. Resin-Impregnated Paper-Covered Wire Ties. Portco Corporation, Vancouver, Wash., and Portland, Oreg.
Filed July 18, 1950, Serial No. 600,848. Published Oct. 23, 1951. Class 7.

553,886. Brassières. United Mills Corporation, Mount Gilead, N. C.
Filed July 18, 1950, Serial No. 600,866. Published Oct. 23, 1951. Class 39.

553,887. Sulphones or a Sulphone for the Treatment of Leprosy. Imperial Chemical (Pharmaceuticals) Limited, London and Millbank, London, England.
Filed July 20, 1950, Serial No. 600,959. Published Sept. 4, 1951. Class 18.

553,888. Ladies' and Children's Slips, of a Textile Fabric. I. Schneierson & Sons, Inc., New York, N. Y.
Filed July 20, 1950, Serial No. 600,982. Published Oct. 23, 1951. Class 39.

553,889. Girdles. Artistic Foundations, Inc., New York, N. Y.
Filed July 24, 1950, Serial No. 601,131. Published Oct. 23, 1951. Class 39.

553,890. Motion Picture Cameras. Keystone Mfg. Co., Dorchester and Boston, Mass.
Filed July 27, 1950, Serial No. 601,325. Published Mar. 27, 1951. Class 26.

553,891. Young Men's Clothing—Namely, Suits, Reefers, Overcoats, Topcoats, Raincoats, Dress Shirts, Negligee Shirts, Work Shirts, and Neckties. The Outlet Company, Providence, R. I.
Filed July 10, 1950, Serial No. 601,520. Published Oct. 23, 1951. Class 39.

553,892. Photographic Mountings Adapted To Be Held by the Hand or Mounted on a Tripod To Hold a Camera and a Plurality of Flood Lamps for the Purpose of Taking Motion Pictures. Circle S Products Co., Chicago, Ill., assignor to Circle "S" Products Co., Inc., Chicago, Ill., a corporation of Illinois.
Filed Aug. 4, 1950, Serial No. 601,711. Published Oct. 23, 1951. Class 26.

553,893. Fireplace Screen. Dollinger Corporation, Rochester, N. Y.
Filed Aug. 5, 1950, Serial No. 601,778. Published Sept. 18, 1951. Class 34.

553,894. Medicated Adhesive Surgical Pads, Medicated Adhesive Plaster, and Medicated Adhesive Tape. The Scholl Mfg. Co., Inc., Chicago, Ill.
Filed Aug. 5, 1950, Serial No. 601,807. Published Sept. 11, 1951. Class 18.

553,895. Shelled Salted Peanuts. Planters Nut & Chocolate Co., Wilkes-Barre, Pa.
Filed Aug. 11, 1950, Serial No. 602,109. Published Oct. 30, 1951. Class 46.

553,896. Vitamin and Mineral Tablets and Vitamin and Mineral Aqueous Solution. Nutrition Products Corporation, South Pasadena, Calif.
Filed Aug. 15, 1950, Serial No. 602,211. Published Sept. 18, 1951. Class 18.

553,897. Antiseptic and Deodorizing Denture Adhesive. Consolidated Cosmetics, Chicago, Ill.
Filed Aug. 19, 1950, Serial No. 602,439. Published Sept. 4, 1951. Class 51.

553,898. Preparation for the Treatment of Pyorrhea, Gingivitis, Sensitive, Bleeding, Spongy, or Receding Gums; and Inflamed Conditions of the Mucous Membranes of the Mouth and Throat. Joseph Weisberger, doing business under the name and style of The Wafer Products Co., Leonia, N. J.
Filed July 1, 1950, Serial No. 602,534. Published Sept. 4, 1951. Class 18.

553,899. Devil's-Food Cake Mixture. Bear-Stewart Co., Chicago, Ill.
Filed Aug. 22, 1950, Serial No. 602,542. Published Oct. 2, 1951. Class 46.

553,900. Composite Fire Doors. The F. L. Saino Manufacturing Co., Memphis, Tenn.
Filed Aug. 25, 1950, Serial No. 602,780. Published Sept. 25, 1951. Class 12.

553,901. Corrugated Paper Shipping Boxes. Mohawk Containers, Inc., New Hartford, N. Y.
Filed Aug. 30, 1950, Serial No. 602,965. Published Oct. 23, 1951. Class 2.

553,902. Candies. Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y.
Filed Aug. 31, 1950, Serial No. 603,016. Published Oct. 16, 1951. Class 46.

553,903. Men's, Women's, and Children's Shirts—Namely, Sport Shirts, Work Shirts, and Negligee Shirts. Helen Ray Pully, Jacksonville Beach, Fla.
Filed Sept. 1, 1950, Serial No. 603,079. Published Oct. 9, 1951. Class 39.

553,904. Men's Outer Shirts. Imperial Outfitters to Large Men, Inc., New York, N. Y.
Original filed, act of 1946, Supplemental Register, Sept. 2, 1950; amended to application, Principal Register, June 6, 1951, Serial No. 603,117. Published Sept. 18, 1951. Class 39.

553,905. Poultry and Livestock Feeds Consisting of Grains and Other Ingredients; and Dairy Rations Comprised of Soy Bean Oil Meal, Peanut Oil Meal, Cotton Seed Meal, and Other Ingredients. Lindsey-Robinson & Company, Inc., Roanoke, Va.
Filed Sept. 7, 1950, Serial No. 603,245. Published Oct. 2, 1951. Class 46.

553,906. Corn Oil Used for Salads and Cooking Purposes. Penick & Ford, Ltd., Incorporated, New York, N. Y.
Filed Sept. 8, 1950, Serial No. 603,306. Published Oct. 2, 1951. Class 46.

553,907. Liquid Wood Preservative for the Treatment of Lumber and Lumber Products. Huttig Sash & Door Co., St. Louis, Mo.
Filed Sept. 18, 1950, Serial No. 603,684. Published Nov. 6, 1951. Class 6.

553,908. Kits Including Several Items From the Following List: Venetian Blind Cords, Venetian Blind Tapes, Venetian Blind Tassels, and Venetian Blind Equalizers (Clips for Holding Venetian Blind Cords Together). J. Rubenstein & Sons, Jersey City, N. J.
Filed Sept. 22, 1950, Serial No. 603,896. Published Oct. 16, 1951. Class 50.

553,909. Automatic Air Vents for Hot Water Heating Systems. The Keeney Manufacturing Company, Newington, Conn.
Filed Sept. 27, 1950, Serial No. 604,097. Published Oct. 30, 1951. Class 13.

553,910. Work Gloves Made of Fabric and a Combination of Fabric and Leather. Riegel Textile Corporation, New York, N. Y.
Filed Sept. 28, 1950, Serial No. 604,161. Published Oct. 23, 1951. Class 39.

553,911. Whiskey. H & H Distributing Company, Inc., Chicago, Ill.
Filed Sept. 29, 1950, Serial No. 604,200. Published Oct. 2, 1951. Class 49.

553,912. Preparation Containing Acid and Sugar for the Prevention of Vomiting. Kinney and Company, Columbus, Ind.
Filed Oct. 3, 1950, Serial No. 604,372. Published Sept. 18, 1951. Class 18.

553,913. Centrifugal Castings. Sandusky Foundry & Machine Co., Sandusky, Ohio.
Filed Oct. 3, 1950, Serial No. 604,393. Published July 17, 1951. Class 14.

553,914. Textile Carpets and Rugs. Artloom Carpet Co., Inc., Philadelphia, Pa.
Filed Oct. 13, 1950, Serial No. 604,831. Published Oct. 23, 1951. Class 42.

553,915. Cotton Housedresses, Maids', Waitresses', and Nurses' Cotton Uniforms, Cotton Bloomer-Legged Gymnasium Suits and Shorts, Maids' and Waitresses' Cotton Aprons, House Coats, Smocks, and Play Suits, All for Girls and Women. J. Katzenberg & Co., Baltimore, Md.
Filed Oct. 13, 1950, Serial No. 604,850. Published Oct. 23, 1951. Class 39.

553,916. Steering Gears for Use on Automotive Vehicles. Gemmer Manufacturing Company, Detroit, Mich.
Filed Oct. 16, 1950, Serial No. 604,965. Published Oct. 30, 1951. Class 19.

553,917. Antibiotic-Sulfonamide Preparation. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Oct. 20, 1950, Serial No. 605,236. Published Sept. 18, 1951. Class 18.

553,918. Wines. Monarch Wine Company of Georgia, Atlanta, Ga.
Filed Oct. 23, 1950, Serial No. 605,320. Published Oct. 2, 1951. Class 47.

553,919. Wines. Monarch Wine Co. of Georgia, Atlanta, Ga.
Filed Oct. 23, 1950, Serial No. 605,321. Published Oct. 2, 1951. Class 47.

553,920. Malt. The Columbia Malting Company, Chicago, Ill.
Filed Oct. 24, 1950, Serial No. 605,351. Published Sept. 18, 1951. Class 46.

553,921. Chemical Preparation for Control of Scale, Corrosion, Pitting, and Oil in High-Pressure and Heating Boilers, Pipe Lines, and Processing Equipment. Alfred H. Schmidt, doing business under the assumed name of Portland Shingle Co., Portland, Oreg.
Filed Oct. 24, 1950, Serial No. 605,372. Published Nov. 6, 1951. Class 6.

553,922. Chocolates and Bonbons. The R. M. Haan Candy Co., Inc., Long Island City, N. Y.
Filed Oct. 30, 1950, Serial No. 605,584. Published Oct. 2, 1951. Class 46.

553,923. Rubber Parts for Assembly of Aircraft—Namely, Flat Bibb, Beveled Bibb, Syphon, Tank, and Spud Washers; Bath, Sink, and Basin Gaskets. The H. O. Canfield Co., Bridgeport, Conn.
Filed Oct. 31, 1950, Serial No. 605,629. Published Nov. 6, 1951. Class 35.

553,924. Cod Liver Oil, Natural and Fortified, for Medicinal Use and for Use as a Supplement to Animal Feeds. Chas. L. Huisking & Co., Inc., Brooklyn, N. Y.
Filed Nov. 2, 1950, Serial No. 605,792. Published Sept. 4, 1951. Class 18.

553,925. Textile Ribbons, Made of Rayon, Silk, Cotton, Synthetic, and Like Fibres. Artistic Manufacturing Co., Incorporated, New York, N. Y.
Filed Nov. 4, 1950, Serial No. 605,888. Published Oct. 9, 1951. Class 42.

553,926. Sterling Silver and Sterling Silver Mounted Flatware and Table Cutlery. Towle Manufacturing Company, Newburyport, Mass.
Filed Nov. 4, 1950, Serial No. 605,929. Published Sept. 11, 1951. Class 28.

553,927. Collars. Brooks Brothers, New York, N. Y.
Filed Nov. 7, 1950, Serial No. 605,987. Published Oct. 9, 1951. Class 39.

553,928. Girdles. Artistic Foundations, Inc., New York, N. Y.
Filed Nov. 9, 1950, Serial No. 606,113. Published Oct. 23, 1951. Class 39.

553,929. Meat Products—Namely, Franks, Ham, Bacon, Bologna, Thuringer Cervelat, Salomi, Etc. Swift & Company, doing business as H. L. Handy Company, Chicago, Ill., and Springfield, Mass.
Filed Nov. 9, 1950, Serial No. 606,182. Published Sept. 18, 1951. Class 46.

553,930. Vitamin B_{12} in Dosage Form. Wyeth Incorporated, Philadelphia, Pa.
Filed Nov. 9, 1950, Serial No. 606,187. Published Sept. 25, 1951. Class 18.

553,931. Heating Boilers Sold Separately, and Oil Burning Apparatus Sold as a Unit, Etc. Burnham Corporation, Irvington, N. Y.
Filed Nov. 13, 1950, Serial No. 606,265. Published Oct. 16, 1951. Class 34.

553,932. Cherry Wine. Vintage Wines, Inc., New York, N. Y.
Filed Nov. 13, 1950, Serial No. 606,346. Published Sept. 4, 1951. Class 47.

553,933. Dried Fruits. California Prune and Apricot Growers Association, San Jose, Calif.
Filed Nov. 14, 1950, Serial No. 606,365. Published Nov. 6, 1951. Class 46.

553,934. Dried Fruit. California Prune and Apricot Growers Association, San Jose, Calif.
Filed Nov. 14, 1950, Serial No. 606,366. Published Sept. 18, 1951. Class 46.

553,935. Canned Dog Food. Samuel and Jack Criden, Philadelphia, Pa.
Filed Nov. 15, 1950, Serial No. 606,416. Published Oct. 16, 1951. Class 46.

553,936. Men's and Boys' Hats Made of Straw and Felt. Paragon Hat Company, Chicago, Ill., assignor to Harold Moses, doing business as Paragon Hat Company, Chicago, Ill.
Filed Nov. 16, 1950, Serial No. 606,484. Published Oct. 23, 1951. Class 39.

553,937. Ladies' Hats. Emporium World Millinery Co., Chicago, Ill.
Filed Nov. 17, 1950, Serial No. 606,517. Published Oct. 23, 1951. Class 39.

553,938. Chocolate Candy. Lindt & Sprungli, Inc., New York, N. Y.
Filed Nov. 17, 1950, Serial No. 606,533. Published Oct. 2, 1951. Class 46.

553,939. Steroid Compound Having Therapeutic Properties for Use in Hormonal Therapy. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Nov. 17, 1950, Serial No. 606,571. Published Sept. 18, 1951. Class 18.

553,940. Combination Blouse and Divided Skirt for Ladies. Weisman Brothers Lingerie Corp., New York, N. Y.
Filed Nov. 17, 1950, Serial No. 606,583. Published Oct. 23, 1951. Class 39.

553,941. Vegetable Seasoning for Soups, Sauces, Gravies, and Stews. Gravymaster Company, Inc., Long Island City, N. Y.
Filed Nov. 18, 1950, Serial No. 606,607. Published Sept. 25, 1951. Class 46.

553,942. Medicine—Namely, an Antacid Preparation. Clarence E. Henry, Pasco, Wash.
Filed Nov. 18, 1950, Serial No. 606,610. Published Sept. 18, 1951. Class 18.

553,943. Motorcycles and Frame and Fork Parts. Harley-Davidson Motor Co., Milwaukee, Wis.
Filed Oct. 25, 1950, Serial No. 606,921. Published Oct. 23, 1951. Class 19.

553,944. Automatic Time Operated Combined Job Cost and Attendance Recording Apparatus. Aceometer Corporation, Buffalo, N. Y.
Filed Nov. 25, 1950, Serial No. 606,928. Published Oct. 9, 1951. Class 26.

553,945. Stainless Steel, in the Form of Tubing. The Carpenter Steel Company, Reading, Pa.
Filed Nov. 30, 1950, Serial No. 607,118. Published Nov. 6, 1951. Class 13.

553,946. Vitamin Preparation. Sol Heilpern, doing business under the trade name Heilbro Pharmacal Company, White Plains, N. Y.
Filed Nov. 30, 1950, Serial No. 607,126. Published Sept. 11, 1951. Class 18.

553,947. Finger Rings. Granat Bros., San Francisco, Calif.
Filed Dec. 2, 1950, Serial No. 607,218. Published Sept. 4, 1951. Class 28.

553,948. Pre-Tied Neckties and Bow Ties. Leslie Murgatroyd, doing business as Perma-Knot Tie Company, Williamsville, N. Y.
Filed Dec. 4, 1950, Serial No. 607,260. Published Oct. 9, 1951. Class 39.

553,949. Fresh Vegetables. Pacific Gamble Robinson Company, doing business as Pacific Fruit & Produce Co., Seattle, Wash.
Filed Dec. 5, 1950, Serial No. 607,297. Published Oct. 2, 1951. Class 46.

553,950. Molded Plastic Cups and Saucers, Creamers, Sugar Bowls, Teapots, Trays, Dinner Plates, Soup Bowls, Cereal Dishes, and Tumblers. Worcester Toy Company, Worcester, Mass.
Filed Dec. 5, 1950, Serial No. 607,304. Published Oct. 23, 1951. Class 2.

553,951. High Speed Steel. Latrobe Electric Steel Company, Latrobe, Pa.
Filed Dec. 6, 1950, Serial No. 607,335. Published Nov. 6, 1951. Class 14.

553,952. Outerwear for Men, Women, and Children—Namely, Coats, Jackets, and Vests Made of Pelts, Leather, Fur, Fabrics, Synthetic Fabrics, and Waterproofed Materials. Monarch Manufacturing Company, Milwaukee, Wis.
Filed Dec. 6, 1950, Serial No. 607,338. Published Oct. 23, 1951. Class 39.

553,953. Ladies' Gowns, Slips, Panties, Half Slips, Chemises, Bedjackets, Negligees, Peignoirs, and Blouses, and Children's Dresses and Undergarments. A. N. Saab Co., Inc., New York, N. Y.
Filed Dec. 6, 1950, Serial No. 607,354. Published Oct. 23, 1951. Class 39.

553,954. Men's and Boys' Negligee, Dress, and Work Shirts. Weiss Shirt Company, Inc., New York, N. Y
Filed Dec. 8, 1950, Serial No. 607,465. Published Oct. 23, 1951. Class 39.

553,955. Canned Tuna. Hawaiian Tuna Packers, Limited, Honolulu and Kewalo Basin, Honolulu, Territory of Hawaii.
Filed Dec. 9, 1950, Serial No. 607,500. Published Oct. 9, 1951. Class 46.

553,956. Canned Tuna. Hawaiian Tuna Packers, Limited, Honolulu and Kewalo Basin, Honolulu, Territory of Hawaii.
Filed Dec. 9, 1950, Serial No. 607,501. Published Oct. 9, 1951. Class 46.

553,957. Fumigating Agent for Grains. Thompson-Hayward Chemical Co., Kansas City, Mo.
Filed Dec 9, 1950, Serial No. 607,526. Published Nov. 6, 1951. Class 6.

553,958. Herbicide Consisting of a Mixture of Chemicals for Weed Control in Lawns, Pastures, and for Agricultural Purposes. Thompson-Hayward Chemical Company, Kansas City, Mo.
Filed Dec. 11, 1950, Serial No. 607,565. Published Nov. 6, 1951. Class 6.

553,959. Water or Waterless Hand Cleaning Preparation. Goodenow-Morley Company, Oklahoma City, Okla.
Filed Dec. 12, 1950, Serial No. 607,588. Published Sept. 11, 1951. Class 52.

553,960. Cattle and Hog Feeds—Namely, Hybrid Corn, Balbo Rye, and Oats. Harper & Martin, also doing business as Har-Mar Feed Service, Cromwell, Ind.
Filed Dec. 12, 1950, Serial No. 607,590. Published Nov. 6, 1951. Class 46.

553,961. Water Proofing Compound. Peel and Campden Limited, London, England.
Filed Dec. 12, 1950, Serial No. 607,600. Published Nov. 6, 1951. Class 6.

553,962. Cream Shampoo. Primrose House, Inc., Indianapolis, Ind.
Filed Dec. 12, 1950, Serial No. 607,601. Published Sept. 11, 1951. Class 52.

553,963. Electronic Analogue Computers. Reeves Instrument Corporation, New York, N. Y.
Filed Dec. 14, 1950, Serial No. 607,683. Published Oct. 16, 1951. Class 26.

553,964. Sausage Binder Made From a Blend of Flours for Use in Making Sausages. Meat Industry Suppliers, Inc., Chicago, Ill.
Filed Dec. 15, 1950, Serial No. 607,713. Published Oct. 30, 1951. Class 46.

553,965. Alcoholic Beverages—Namely, Whiskey and Gin. The Calvert Distilling Co., New York, N. Y.
Filed Dec. 16, 1950, Serial No. 607,738. Published Oct. 2, 1951. Class 49.

553,966. Table Syrup. The Lancaster Wholesale Grocery Company, Incorporated, Lancaster, Pa.
Filed Dec. 16, 1950, Serial No. 607,758. Published Oct. 2, 1951. Class 46.

553,967. Cooking Wine. Francis H. Leggett & Company, New York, N. Y.
Filed Dec. 18, 1950, Serial No. 607,820. Published Oct. 16, 1951. Class 47.

553,968. Preparations or Histological Reagents for Use in Preparing Histological Specimens for Microscopic Examination—Namely, Fixatives, Dehydrants, Clearing Agents, Hematoxylin, and Eosin Stains. The Technicon Company, New York, N. Y.
Filed Dec. 18, 1950, Serial No. 607,832. Published Nov. 6, 1951. Class 6.

553,969. Fresh Citrus Fruit and Canned Citrus Fruit Juices and Blends Thereof. Scenic Citrus Cooperative, Frostproof, Fla.
Filed Dec. 19, 1950, Serial No. 607,871. Published Oct. 9, 1951. Class 46.

553,970. Fresh Citrus Fruits and Canned Tangerine Juice. Scenic Citrus Cooperative, Frostproof, Fla.
Filed Dec. 19, 1950, Serial No. 607,872. Published Sept. 25, 1951. Class 46.

553,971. Fresh Vegetables. Albert Rossi, doing business as Al Rossi, Gilroy, Calif.
Filed Dec. 22, 1950, Serial No. 608,018. Published Oct. 2, 1951. Class 46.

553,972. Bracelets and Watch Bracelets Sold Separately From the Watches. Jacoby-Bender, Inc., New York, N. Y.
Filed Dec. 23, 1950, Serial No. 608,038. Published Sept. 11, 1951. Class 28.

553,973. Bracelets and Watch Bracelets Sold Separately From the Watches. Jacoby-Bender, Inc., New York, N. Y.
Filed Dec. 23, 1950, Serial No. 608,040. Published Sept. 11, 1951. Class 28.

553,974. Pecans in the Shell. Dothan Seed & Supply Company, Inc., Dothan, Ala.
Filed Dec. 26, 1950, Serial No. 608,058. Published Nov. 6, 1951. Class 46.

553,975. Fruit Cake and Flavor Sugars. Stephen Leeman Products Company, West Nyack and Teaberryport, West Nyack, N. Y.
Filed Dec. 26, 1950, Serial No. 608,074. Published Sept. 18, 1951. Class 46.

553,976. Confections—Namely, Ball Gum. Topps Chewing Gum, Incorporated, Brooklyn, N. Y.
Filed Dec. 27, 1950, Serial No. 608,131. Published Sept. 18, 1951. Class 46.

553,977. Men's and Boys' Outer Shirts. Cluett, Peabody & Co., Inc., Troy, N. Y.
Filed Dec. 29, 1950, Serial No. 608,197. Published Oct. 9, 1951. Class 39.

553,978. Alcoholic Beverages—Namely, Whiskey. Carstairs Bros. Distilling Co., Inc., New York, N. Y.
Filed Dec. 30, 1950, Serial No. 608,235. Published Oct. 2, 1951. Class 49.

553,979. Textile Finishing Preparations—Namely, Agents for Improving the Body, Hand, and Drape, Stiffening Agents, Water Repellants, Softening Agents, Dimension-Stabilizing Agents, and Agents for Improving Wash-Fastness, Snag-Proofness, and/or Slip-Proofness. Standard Chemical Products, Inc., Hoboken, N. J.
Filed Jan. 2, 1951, Serial No. 608,290. Published Nov. 6, 1951. Class 6.

553,980. Bracelets (Not Including Watches). Speidel Corporation, Providence, R. I.
Filed Jan. 3, 1951, Serial No. 608,329. Published Sept. 11, 1951. Class 28.

553,981. Cattle Feeds, Hog Feeds, and Poultry Feeds. Batcheller's, Inc., Sioux Falls, S. Dak.
Filed Jan. 4, 1951, Serial No. 608,341. Published Sept. 18, 1951. Class 46.

553,982. Finger Rings and Ring Findings Made Wholly or Partly of Precious Metals. Schuman & Donchi, Inc., Newark, N. J.
Filed Jan. 4, 1951, Serial No. 608,383. Published Sept. 11, 1951. Class 28.

553,983. Workmen's Fabric Gloves. Singer Glove Manufacturing Co., Chicago, Ill.
Filed Jan. 4, 1951, Serial No. 608,384. Published Oct. 23, 1951. Class 39.

553,984. Wire for Use in Stapling and Stitching Machines. Chicago Steel and Wire Company, Chicago, Ill.
Filed Jan. 6, 1951, Serial No. 608,447. Published Nov. 6, 1951. Class 14.

553,985. Chemical Compounds for Absorbing Ultraviolet Rays for General Use in the Industrial Arts. Van Dyk & Company, Inc., Belleville, N. J.
Filed Jan. 6, 1951, Serial No. 608,482. Published Nov. 6, 1951. Class 6.

553,986. Cooked Ham. Tobin Packing Co., Inc., Rochester, N. Y., and Fort Dodge, Iowa.
Filed Jan. 8, 1951, Serial No. 608,522. Published Oct. 23, 1951. Class 46.

553,987. Diamonds, Diamond Rings, and Mountings of Diamonds. Bride's Hope Chest Diamond Company, Tiffin, Ohio.
Filed Jan. 9, 1951, Serial No. 608,531. Published Sept. 11, 1951. Class 28.

553,988. Large Moving Van, Oil Well Supply Type Trailers. Spencer-Safford Loadcraft, Inc., Augusta, Kans.
Filed Dec. 13, 1950, Serial No. 608,584. Published Oct. 16, 1951. Class 19.

553,989. Alcoholic Beverages—Namely, Whiskey. Paul Jones and Company, Inc., Baltimore, Md.
Filed Jan. 10, 1951, Serial No. 608,608. Published Oct. 9, 1951. Class 49.

553,990. Alcoholic Beverages—Namely, Whiskey. Paul Jones and Company, Inc., Baltimore, Md.
Filed Jan. 10, 1951, Serial No. 608,609. Published Oct. 9, 1951. Class 49.

553,991. Nightgowns, Sleeping Pajamas, Slips, and Half Slips for Women. Onyx Ladies Underwear Inc., New York, N. Y.
Filed Jan. 11, 1951, Serial No. 608,669. Published Oct. 23, 1951. Class 39.

553,992. Women's and Misses' Scarves. Baar & Beards, Inc., New York, N. Y.
Filed Jan. 12, 1951, Serial No. 608,695. Published Oct. 9, 1951. Class 39.

553,993. Ladies' and Misses' Slips, Bloomers, Panties, Petticoats, Nightgowns and Pajamas Made of a Combination of Nylon and Pure Silk Fabrics. Gluvtex Corporation, New York, N. Y.
Filed Jan. 12, 1951, Serial No. 608,702. Published Oct. 23, 1951. Class 39.

553,994. Edible Olive Oil. B. M. Reeves Company, Inc., Brooklyn, N. Y.
Filed Jan. 12, 1951, Serial No. 608,717. Published Oct. 30, 1951. Class 46.

553,995. Homogenized Whip Topping Having a Non-Fat Milk Solid Base for Pastries and Desserts. Wilson-Simon Foods, Inc., Roslyn, N. Y., now by change of name Moj Products Corporation.
Filed Jan. 13, 1951, Serial No. 608,777. Published Oct. 9, 1951. Class 46.

553,996. Canned, Fresh, and Fresh Frozen Fish. Columbia River Packers Association, Inc., Astoria, Oreg.
Filed Jan. 15, 1951, Serial No. 608,780. Published Oct. 9, 1951. Class 46.

553,997. Canned, Fresh, and Fresh Frozen Fish. Columbia River Packers Association, Inc., Astoria, Oreg.
Filed Jan. 15, 1951, Serial No. 608,781. Published Oct. 9, 1951. Class 46.

553,998. Canned Salmon. Columbia River Packers Association, Inc., Astoria, Oreg.
Filed Jan. 15, 1951, Serial No. 608,784. Published Oct. 9, 1951. Class 46.

553,999. Canned Fish. Columbia River Packers Association, Inc., Astoria, Oreg.
Filed Jan. 15, 1951, Serial No. 608,787. Published Oct. 9, 1951. Class 46.

554,000. Fixed Temperature Types of Sprinkler System Control Thermostats. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio.
Filed Jan. 17, 1951, Serial No. 608,858. Published Oct. 9, 1951. Class 26.

554,001. Preparation in Tablet Form for the Treatment of Constipation. American Dietaids Company, Inc., Yonkers, N. Y.
Filed Jan. 18, 1951, Serial No. 608,909. Published Sept. 11, 1951. Class 18.

554,002. Men's, Women's, and Children's Underwear. Walter W. Moyer Company, Ephrata, Pa.
Filed Jan. 18, 1951, Serial No. 608,940. Published Oct. 23, 1951. Class 39.

554,003. Baby Carriages. Thayer, Inc., Gardner, Mass.
Filed Jan. 18, 1951, Serial No. 608,963. Published Oct. 16, 1951. Class 19.

554,004. Vitamin-Mineral Preparation. American Cyanamid Company, New York, N. Y.
Filed Jan. 19, 1951, Serial No. 608,977. Published Oct. 2, 1951. Class 18.

554,005. Vitamin-Mineral Preparation. American Cyanamid Company, New York, N. Y.
Filed Jan. 19, 1951, Serial No. 608,979. Published Oct. 2, 1951. Class 18.

554,006. Gaskets for Liquid Level Gages. Yarnall-Waring Company, Philadelphia, Pa.
Filed Jan. 19, 1951, Serial No. 609,021. Published Nov. 6, 1951. Class 35.

554,007. Simulated Pearls Made of Plastic or Like Material and Ornaments for Personal Adornment Not Including Watches. Royal Craftsmen Inc., New York, N. Y.
Filed Jan. 20, 1951, Serial No. 609,056. Published Sept. 11, 1951. Class 28.

554,008. Medicated Foot Powder. The Scholl Mfg. Co., Inc., Chicago, Ill.
Filed Jan. 23, 1951, Serial No. 609,143. Published Oct. 2, 1951. Class 18.

554,009. Flavored Milk Beverage. National Dairy Products Corporation, New York, N. Y.
Filed Jan. 24, 1951, Serial No. 609,187. Published Oct. 9, 1951. Class 46.

554,010. Antiseptic-Germicidal Preparation for Vaginal Use. Beneficial Products, Inc., Birmingham, Mich.
Filed Jan. 25, 1951, Serial No. 609,224. Published Oct. 2, 1951. Class 18.

554,011. Mascara, Eyebrow Pencils, Eye Shadow, and Eyelash and Eyebrow Cream. Maybelline Co., Chicago, Ill.
Filed Jan. 25, 1951, Serial No. 609,248. Published Oct. 2, 1951. Class 51.

554,012. Ladies' Underwear — Namely, Slips, Gowns, Shortie Gowns, Petticoats, Pajamas, Bed Jackets, Panties, and Ensembles of Gown and Robe. H. W. Epstein Corporation, New York, N. Y.
Filed Jan. 31, 1951, Serial No. 609,438. Published Oct. 23, 1951. Class 39.

554,013. Railway Freight Cars. General American Transportation Corporation, Chicago, Ill.
Filed Jan. 31, 1951, Serial No. 609,444. Published Oct. 16, 1951. Class 19.

554,014. Furniture Polish. S. C. Johnson & Son, Inc., Racine, Wis.
Filed Jan. 31, 1951, Serial No. 609,582. Published Oct. 16, 1951. Class 4.

554,015. Boys' Outer Shirts. Salant & Salant, Inc., New York, N. Y.
Filed Feb. 3, 1951, Serial No. 609,605. Published Oct. 9, 1951. Class 39.

554,016. Children's Mittens and Gloves Made of Leather, Fabric, and a Combination Thereof. Vincent Sperandeo, Brooklyn, N. Y.
Filed Feb. 3, 1951, Serial No. 609,608. Published Oct. 23, 1951. Class 39.

554,017. Ladies' Undergarments. Briarcliff Mills, Atlanta, Ga.
Filed Feb. 5, 1951, Serial No. 609,627. Published Oct. 30, 1951. Class 39.

554,018. Glutathione. Schwarz Laboratories, Inc., New York, N. Y.
Filed Feb. 6, 1951, Serial No. 609,702. Published Nov. 6, 1951. Class 6.

554,019. Alcoholic Beverages—Namely, Whiskey. Paul Jones and Company, Inc., Baltimore, Md.
Filed Feb. 8, 1951, Serial No. 609,803. Published Oct. 9, 1951. Class 49.

554,020. Mail Chutes and Mail Boxes. Cutler Mail Chute Company, Rochester, N. Y.
Filed Feb. 13, 1951, Serial No. 610,007. Published Oct. 23, 1951. Class 2.

554,021. Rear View Mirrors for Automotive Vehicles. The Pure Oil Company, Chicago, Ill.
Filed Feb. 13, 1951, Serial No. 610,024. Published Oct. 9, 1951. Class 19.

554,022. Thinner Compound Used To Chemically Mask and Eliminate Overlying Fluorescence Particularly in Selected Areas in the Preparation of Wash Drawing Art Work for Photomechanical Reproduction. Drop-Dot Corporation, San Francisco, Calif.
Filed Feb. 14, 1951, Serial No. 610,049. Published Nov. 6, 1951. Class 6.

554,023. Canned Sardines. Sunset Packing Co., Inc., West Pembroke, Maine.
Filed Feb. 14, 1951, Serial No. 610,108. Published Oct. 30, 1951. Class 46.

554,024. Antibacterial Preparations. E. R. Squibb & Sons, New York, N. Y.
Filed Feb. 16, 1951, Serial No. 610,193. Published Oct. 16, 1951. Class 18.

554,025. Thermo Plastic Valve and Pump Packing. Surveys, Inc., Trenton, N. J.
Filed Feb. 16, 1951, Serial No. 610,194. Published Nov. 6, 1951. Class 35.

554,026. Frozen Peas. Green Giant Company, Le Sueur, Minn.
Filed Feb. 17, 1951, Serial No. 610,213. Published Oct. 30, 1951. Class 46.

554,027. Polymers of Formaldehyde. Heyden Chemical Corporation, New York, N. Y.
Filed Feb. 19, 1951, Serial No. 610,268. Published Nov. 6, 1951. Class 6.

554,028. Flexible Packets for Containing Food. Earle F. Hiscock, Washington, D. C., and New York, N. Y.
Filed Feb. 19, 1951, Serial No. 610,269. Published Nov. 6, 1951. Class 2.

554,029. Fire-Extinguishing Chemicals and Compositions. National Foam System, Inc., West Chester, Pa.
Filed Feb. 20, 1951, Serial No. 610,329. Published Nov. 6, 1951. Class 6.

554,030. Sodium Sulfate, Sulfuric Acid, Hydrochloric Acid, Etc. Ozark-Mahoning Company, Tulsa, Okla.
Filed Feb. 20, 1951, Serial No. 610,332. Published Nov. 6, 1951. Class 6.

554,031. Ophthalmic Lenses and Blanks. Soft-Lite Lens Company, Inc., New York, N. Y.
Filed Feb. 23, 1951, Serial No. 610,470. Published Oct. 30, 1951. Class 26.

554,032. Brassières. Victor Lebow, New York, N. Y.
Filed Feb. 28, 1951, Serial No. 610,626. Published Oct. 30, 1951. Class 39.

554,033. Brassières. Peter Pan Foundations, Inc., New York, N. Y.
Filed Mar. 1, 1951, Serial No. 610,712. Published Oct. 23, 1951. Class 39.

554,034. Wheels for Industrial Trucks. Aerol Co. Inc., Burbank, Calif.
Filed Mar. 2, 1951, Serial No. 610,729. Published Nov. 6, 1951. Class 19.

554,035. Automobiles. The Studebaker Corporation, South Bend, Ind.
Filed Mar. 2, 1951, Serial No. 610,765. Published Oct. 30, 1951. Class 19.

554,036. Laboratory Clamps. Laboratory Industries, Inc., Chicago, Ill.
Filed Mar. 7, 1951, Serial No. 610,982. Published Nov. 6, 1951. Class 26.

554,037. Paper Bags. St. Regis Paper Company, New York, N. Y.
Filed Mar. 13, 1951, Serial No. 611,241. Published Nov. 6, 1951. Class 2.

554,038. Film Mountings, Photographic Slides and Stereoscopic Slides. David White Company, Milwaukee, Wis.
Filed Mar. 14, 1951, Serial No. 611,324. Published Oct. 30, 1951. Class 26.

554,039. Women's Apparel, Comprising Slips, Bloomers, Petticoats, Nightgowns, Pajamas, Chemises, Step-ins, Panties, and Hosiery. Seamprufe Incorporated, New York, N. Y.
Filed Mar. 15, 1951, Serial No. 611,375. Published Oct. 30, 1951. Class 39.

554,040. Women's Apparel, Comprising Slips, Bloomers, Petticoats, Nightgowns, Pajamas, Chemises, Step-ins, Panties, and Hosiery. Seamprufe Incorporated, New York, N. Y.
Filed Mar. 15, 1951, Serial No. 611,376. Published Oct. 30, 1951. Class 39.

554,041. Canned, Fresh, and Fresh Frozen Fish. Columbia River Packers Association, Inc., Astoria, Oreg.
Filed Mar. 16, 1951, Serial No. 611,406. Published Oct. 9, 1951. Class 46.

554,042. Ladies' Dresses, Skirts, Suits, Blouses. David Crystal, Inc., New York, N. Y.
Filed Mar. 16, 1951, Serial No. 611,410. Published Oct. 30, 1951. Class 39.

554,043. Canned Tomato Puree. Fair View Packing Company, Inc., Hollister, Calif.
Filed Mar. 20, 1951, Serial No. 611,567. Published Oct. 30, 1951. Class 46.

554,044. Folding Cardboard and Paperboard Boxes and Cartons, and Cut and Scored Blanks Therefor. Pioneer Folding Box Company, Chicopee, Mass.
Filed Mar. 21, 1951, Serial No. 611,617. Published Nov. 6, 1951. Class 2.

554,045. Unfilled Gas Storage Tanks. Chicago Bridge & Iron Company, Chicago, Ill.
Filed Mar. 26, 1951, Serial No. 611,760. Published Nov. 6, 1951. Class 2.

554,046. Drafting Equipment—Namely, Drafting Boards, Including Boards Fitted With Parallel Line Apparatus. Eugene Dietzgen Co., Chicago, Ill.
Filed Mar. 28, 1951, Serial No. 611,893. Published Oct. 30, 1951. Class 26.

554,047. Slide Fasteners. Lightning Fastener Co. Limited, St. Catharines, Ontario, Canada.
Filed Apr. 6, 1951, Serial No. 612,333. Published Oct. 30, 1951. Class 13.

554,048. Mechanical Calculating Charts for Use in Determining Periods in the Menstrual Cycle. Hugo R. Hustad, doing business as M-R Guide Company, Detroit, Mich.
Filed Mar. 16, 1951, Serial No. 613,111. Published Oct. 23, 1951. Class 26.

554,049. Radio Direction Finding Equipment—Namely, a Packaged Unit Including a Power Supply for an Electronic Circuit, Etc. Lear, Incorporated, Grand Rapids, Mich.
Filed Apr. 26, 1951, Serial No. 613,175. Published Oct. 23, 1951. Class 26.

554,050. Radio Direction Finding Equipment, Etc., Lear, Incorporated, Grand Rapids, Mich.
Filed Apr. 26, 1951, Serial No. 613,176. Published Oct. 23, 1951. Class 26.

554,051. Hot Plates and Lamp Stoves. The Consolidated Iron-Steel Mfg. Co., Cleveland, Ohio.
Filed May 7, 1951, Serial No. 613,586. Published Oct. 9, 1951. Class 34.

554,052. Woven Elastic Fabrics in the Piece. Rayflex Fabrics, Inc., New York, N. Y.
Filed May 8, 1951, Serial No. 613,651. Published Oct. 23, 1951. Class 42.

554,053. Textile Fabrics in the Piece Composed of Wool and Synthetic Fibres. Bachman Uxbridge Worsted Corporation, New York, N. Y.
Filed May 22, 1951, Serial No. 614,188. Published Nov. 6, 1951. Class 42.

Service Marks

554,054. Air Transportation of Passengers, Freight, and Mail. Western Air Lines, Inc., Los Angeles, Calif.
Original filed, act of 1905, Jan. 16, 1946; amended to application under act of 1946, Principal Register, Dec. 20, 1949, Serial No. 494,878. Published Nov. 6, 1951. Class 105.

554,055. Heat and Control Engineering Service. Westinghouse Electric Corporation, East Pittsburgh, Pa.
Filed Aug. 18, 1947, Serial No. 531,743. Published Oct. 30, 1951. Class 100.

554,056. Services Consisting of Radio Program Broadcasting. Crosley Broadcasting Corporation, Cincinnati, Ohio.
Filed Nov. 14, 1947, Serial No. 541,098. Published Oct. 30, 1951. Class 104.

554,057. Information Service in the Nature of a Radio News Program. Bulletin Company, Philadelphia, Pa.
Filed Mar. 4, 1948, Serial No. 543,252. Published Oct. 30, 1951. Class 107.

554,058. Information Service in the Nature of a Radio News Program. Bulletin Company, Philadelphia, Pa.
Filed Mar. 4, 1948, Serial No. 543,254. Published Oct. 30, 1951. Class 107.

554,059. Services in the Enabling and Effectuation, Through and by Personnel, Apparatus, and Materials Belonging to It or Its Said Related Company, of the Use, on the Premises of Others, of Procedures for the Treatment of Fruits and Vegetables With Chemical Agents To Inhibit Decay or Like Deterioration. Wallace & Tiernan Products, Inc., Belleville, N. J.
Filed Apr. 24, 1948, Serial No. 555,578. Published Oct. 30, 1951. Class 106.

554,060. Restaurant and Drive-In Lunch Service. Wesley A. Sorensen, doing business under the style of The Doll House Company, Salt Lake City, Utah.
Filed May 7, 1948, Serial No. 556,490. Published Oct. 30, 1951. Class 100.

554,061. Instruction in Dancing. Arthur Murray, Inc., New York, N. Y.
Filed Aug. 23, 1948, Serial No. 563,865. Published Oct. 30, 1951. Class 107.

554,062. Technical Services in the Oil Fields Comprising: Well Casing Perforation by Means of Gun Type Perforators; Electrical, Temperature and Radio-Activity Well Logging; Water Locating; Well Borehole Surveying; Formation Testing; and Setting of Packers, Bridging Plugs, and Liner Hangers. Lane-Wells Company, Los Angeles, Calif.
Filed June 4, 1949, Serial No. 579,985. Published Oct. 30, 1951. Class 103.

554,063. Funeral Plan Services—Namely, Counselling, Advising, and Directing Relative to Life Insurance, Bank Savings, and Financing on a Time Payment Plan for Pre-Arranging and Pre-Financing Funerals. R. Bernard Davis, Okmulgee, Okla.
Filed Jan. 23, 1950, Serial No. 591,284. Published Oct. 30, 1951. Class 100.

554,064. Services Rendered to Breeders of Live Chinchillas in the Registering of Chinchilla Pedigrees, Etc. National Chinchilla Breeders of America, Incorporated, Salt Lake City, Utah.
Filed June 22, 1950, Serial No. 599,576. Published Oct. 30, 1951. Class 100.

554,065. Designing of Gift Wrappings and Advisory and Consultation Services in Gift Wrapping. Modern Packagings, Dallas, Tex.
Filed Oct. 17, 1950, Serial No. 605,044. Published Oct. 30, 1951. Class 100.

554,066. Entertainment Service, the Service Being a Thrill Show in Which Are Used Automobiles, Motorcycles, and Helicopters; the Said Vehicles Being Used in Stunting and in Performances Before Grand Stands at Fair Grounds and Race Tracks, and in News Reels. Aut Swenson, Springfield, Mo.
Filed Dec. 8, 1950, Serial No. 607,458. Published Oct. 30, 1951. Class 107.

Collective Mark

554,067. Arboricultural Services—Namely, Pruning Shade Trees, Tree Surgery, Pruning and Spraying Fruit Trees, Etc. National Arborist Association, Incorporated, Wooster, Ohio.
Filed Nov. 8, 1950, Serial No. 606,079. Published Nov. 6, 1951. Class 100.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

554,068. (Class 37. Paper and Stationery.) Crown Zellerbach Corporation, also doing business as Western Waxed Paper Company, San Francisco, Calif. Original filed, act of 1946, Principal Register, July 5, 1947; amended to application, Supplemental Register, Jan. 14, 1950, Serial No. 527,116.

WAX • FIBRE

Applicant claims ownership of Registration No. 218,353.
For Waxed Paper.
Claims use since Apr. 27, 1925.

554,069. (Class 46. Foods and Ingredients of Foods.) Flour Mills of America, Inc., doing business as Valier & Spies Milling Company, Kansas City and St. Louis, Mo. Original filed, act of 1946, Principal Register, Aug. 7, 1947; amended to application, Supplemental Register, Nov. 2, 1951, Serial No. 532,392.

REAL VALUE

For Wheat Flour.
Claims use since April 1929.

554,070. (Class 28. Jewelry and Precious-Metal Ware.) Christy M. Delmas, New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 20, 1947; amended to application, Supplemental Register, Dec. 29, 1948, Serial No. 541,816.

"America's Jewels of Tomorrow-Today"

For Jewelry for Personal Wear Made in Whole of, in Part of, or Plated With Precious Metals, Not Including Watches—Namely, Finger Rings, Bracelets, Necklaces, Brooches, Earrings, Ornamental Pins, Dress Clips and Clasps, Lockets, Cuff Links, Lavallieres, Scarf Pins and Ecclesiastical Jewelry; and Jewel Boxes Made in Whole of, in Part of, or Ornamented With Precious Metal.
Claims use since Sept. 14, 1946.

554,071. (Class 37. Paper and Stationery.) Sell Corporation, Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 21, 1947; amended to application, Supplemental Register, Nov. 22, 1948, Serial No. 541,971.

GUIDE-RITE

For Vertical Folders, and Letter File Guides Employed in Card Filing Systems.
Claims use since Aug. 28, 1947.

554,072. (Class 45. Soft Drinks and Carbonated Waters.) James P. Jones, doing business as Tropical Beverage Co., Bandera, Tex. Original filed, act of 1946, Principal Register, Jan. 22, 1948; amended to application, Supplemental Register, June 15, 1950, Serial No. 547,733.

ORANGE GRANDE

For Non-Alcoholic Maltless Soft-Drink—Namely, an Orange Beverage.
Claims use since Nov. 10, 1947.

554,073. (Class 46. Foods and Ingredients of Foods.) Flour Mills of America, Inc., doing business under the name and style of Valier & Spies Milling Company, Kansas City and St. Louis, Mo. Original filed, act of 1946, Principal Register, Mar. 12, 1948; amended to application, Supplemental Register, Nov. 7, 1951, Serial No. 552,548.

DANDY

For Wheat Flour.
Claims use since Nov. 29, 1893.

554,074. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Paul F. Danielson, doing business as All-Power Manufacturing Company, Montebello, Calif. Original filed, act of 1946, Principal Register, Mar. 22, 1948; amended to application, Supplemental Register, July 23, 1951, Serial No. 552,640.

Dripless

Applicant claims ownership of Registration No. 297,128.
For Sink Strainers.
Claims use since Mar. 2, 1948.

554,075. (Class 33. Glassware.) Libbey-Owens-Ford Glass Company, Toledo, Ohio. Original filed, act of 1946, Principal Register, Apr. 6, 1948; amended to application, Supplemental Register, June 7, 1951, Serial No. 553,966.

a Great Name
IN GLASS!

For Window Glass; Plate Glass; Laminated Safety Glass; Special Heat-Treated Glass; Heat-Absorbing Plate Glass; Decorated Glass; Colored Glass; Curved or Bent Glass; Wire Glass; Figured and Patterned Glass; Translucent and Opaque Glass; and Structural Glass.
Claims use since Nov. 24, 1940.

554,076. (Class 12. Construction Materials.) Wind-O-Seal, Inc., Elkhart, Ind. Original filed, act of 1946, Principal Register, Apr. 16, 1948; amended to application, Supplemental Register, Apr. 21, 1950, Serial No. 554,843.



For Windows, Doors, Screen and Glass Porch Enclosures, Frames and Sashes.
Claims use since Aug. 1, 1946.

554,077. (Class 45. Soft Drinks and Carbonated Waters.) L. Steinberger & Sons, Inc., Jersey City, N. J. Original filed, act of 1946, Principal Register, June 22, 1948; amended to application, Supplemental Register, July 26, 1949, Serial No. 559,953.

"With The Taste That Tempts"

For Non-Alcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Syrups for Making the Same.
Claims use since Jan. 15, 1915.

554,078. (Class 51. Cosmetics and Toilet Preparations.) Chanel, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 6, 1948; amended to application, Supplemental Register, Jan. 13, 1950, Serial No. 566,500.



The words "Cuir de Russie" are disclaimed. Applicant claims ownership of Registrations Nos. 195,360, 510,992, and 511,105.
For Perfume.
Claims use since 1936.

554,079. (Class 51. Cosmetics and Toilet Preparations.) Chanel, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 6, 1948; amended to application, Supplemental Register, Oct. 8, 1949, Serial No. 566,501.



The English translation of "Bois des Iles" is "Wood of the Isles." Applicant claims ownership of Registrations Nos. 195,360, 510,992, and 511,105.
For Perfume.
Claims use since February 1929.

554,080. (Class 6. Chemicals and Chemical Compositions.) William F. Martin, doing business as Rustnot Laboratories, Baltimore, Md. Original filed, act of 1946, Principal Register, Nov. 8, 1948; amended to application, Supplemental Register, Apr. 27, 1951, Serial No. 568,384.

RUSTNOT

For Chemical Rust Inhibitor for Use in the Sterilization and Preservation of Surgical and Dental Instruments.
Claims use since June 1, 1946.

554,081. (Class 21. Electrical Apparatus, Machines, and Supplies.) Swiveller Company Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 13, 1948; amended to application, Supplemental Register, Dec. 9, 1950, Serial No. 570,449.

ADD-A-PIPE

The word "Pipe" is disclaimed.
For Pipes by Means of Which an Electric Lamp Arm May Be Extended.
Claims use since August 1, 1947.

554,082. (Class 44. Dental, Medical, and Surgical Appliances.) O'Connor & Keeler Laboratories, Inc., Dallas, Tex. Original filed, act of 1946, Principal Register, Feb. 10, 1949; amended to application, Supplemental Register, Oct. 19, 1951, Serial No. 573,674.

Electro Neurometer

For Electronic Instruments for Measuring and Indicating Electrical Impulses of the Human Body.
Claims use since Feb. 19, 1948.

554,083. (Class 6. Chemicals and Chemical Compositions.) The Brunswick-Balke-Collender Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Feb. 17, 1949; amended to application, Supplemental Register, Mar. 24, 1951, Serial No. 574,013.

BOWL-AID

For Liquid Which, Applied to the Skin and Permitted To Dry Produces a Protective Film.
Claims use since Nov. 30, 1948.

554,084. (Class 11. Inks and Inking Materials.) L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Original filed, act of 1946, Principal Register, Apr. 13, 1949; amended to application, Supplemental Register, Sept. 13, 1950, Serial No. 577,075.

The Pink of Perfection

For Carbon Papers and Inked Ribbons for Typewriters and the Like.
Claims use since May 1, 1905.

554,085. (Class 6. Chemicals and Chemical Compositions.) Albert F. A. Beck, trading as an individual under the name of Beck Products Company, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, Apr. 27, 1949; amended to application, Supplemental Register, May 8, 1951, Serial No. 577,771.

KUMUP

For Chemical Preparation To Be Used as Worm Bait.
Claims use since Mar. 18, 1949.

554,086. (Class 2. Receptacles.) Solo Products Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 27, 1949; amended to application, Supplemental Register, Nov. 14, 1951, Serial No. 577,821.

BOB-O-PIN

For Plastic Trays.
Claims use since Apr. 19, 1949.

554,087. (Class 37. Paper and Stationery.) Mid-States Gummed Paper Co., Chicago, Ill. Original filed, act of 1946, Principal Register, May 5, 1949; amended to application, Supplemental Register, Oct. 4, 1951, Serial No. 578,275.

FOIL FRESH

For Gummed Paper in Sheets for Printers.
Claims use since Apr. 11, 1949.

554,088. (Class 51. Cosmetics and Toilet Preparations.) Fontaine Perfume Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, May 11, 1949; amended to application, Supplemental Register, Oct. 9, 1951, Serial No. 578,582.

Fontaine

For Perfume, Toilet Water, Eau de Cologne.
Claims use since Mar. 12, 1948.

554,089. (Class 39. Clothing.) A. Weiss Hosiery Company, Chicago, Ill. Original filed, act of 1946, Principal Register, June 13, 1949; amended to application, Supplemental Register, July 5, 1951, Serial No. 580,387.

DAWSON

For Men's, Women's, and Children's Hosiery.
Claims use since May 13, 1949.

554,090. (Class 21. Electrical Apparatus, Machines and Supplies.) Dearborn Glass Company, Chicago, Ill. Original filed, act of 1946, Principal Register, July 26, 1949; amended to application, Supplemental Register, Oct. 17, 1951, Serial No. 582,524.

Tru-Site

Applicant claims ownership of Registration No. 398,309.
For Glass Implosion Plates for Television Sets.
Claims use since May 9, 1949.

554,091. (Class 21. Electrical Apparatus, Machines and Supplies.) Crimpseal Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Aug. 12, 1949; amended to application, Supplemental Register, Nov. 3, 1950, Serial No. 583,385.

CRIMPSEAL

For Electrically Heated Sealing Irons for Sealing Heat-sealable Wrappers or Bags.
Claims use since Nov. 1, 1948.

554,092. (Class 26. Measuring and Scientific Appliances.) Century Tool & Manufacturing Company, Rockford, Ill., assignor to Trimble, Inc., Rochester, N. Y., a corporation of New York. Original filed, act of 1946, Principal Register, Aug. 16, 1949; amended to application, Supplemental Register, Aug. 6, 1951, Serial No. 583,519.

AQUA-TEMP

For Faucet Hose Temperature Indicators.
Claims use since Sept. 1, 1948.

554,093. (Class 12. Construction Materials.) Gilman Paint and Varnish Company, Chattanooga, Tenn. Original filed, act of 1946, Principal Register, Aug. 26, 1949; amended to application, Supplemental Register, May 14, 1951, Serial No. 584,058.

SAFE-T-SASH

For Putty.
Claims use since Aug. 23, 1949.

554,094. (Class 46. Foods and Ingredients of Foods.) A. Ned Quartararo, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Nov. 2, 1949; amended to application, Supplemental Register, Sept. 26, 1950, Serial No. 587,616.



The drawing is lined for green, blue, and red.
For Frozen Sea Foods Consisting of Cooked Frozen Shrimp, Scungilli (Conch), Mussels, Crabmeat, Lobster, and Calamori (Squid), and Clam Chowder.
Claims use since Mar. 1, 1948.

554,095. (Class 27. Horological Instruments.) Titus S. A., Geneva, Switzerland. Original filed, act of 1946, Principal Register, Nov. 29, 1949; amended to application, Supplemental Register, Oct. 22, 1951, Serial No. 588,535.

TITUS

Applicant claims ownership of Swiss Registration No. 92,045, dated Dec. 8, 1937.
For Watches, Watch-Cases, Watch-Movements, and Parts Thereof.
Claims use since Jan. 25, 1918.

554,096. (Class 46. Foods and Ingredients of Foods.) House of Herbs, Inc., Salisbury, Conn. Original filed, act of 1946, Principal Register, Dec. 16, 1949; amended to application, Supplemental Register, May 23, 1951, Serial No. 589,447.

ENHANCE

For Food Flavoring Containing Monosodium Glutamate (Vegetable Protein Derivative), Dextrose, Cornstarch, Salt, and a Blend of Herbs.
Claims use since Mar. 23, 1949.

554,097. (Class 50. Merchandise Not Otherwise Classified.) Allen Industries, Incorporated, Detroit, Mich. Original filed, act of 1946, Principal Register, Dec. 8, 1951; amended to application, Supplemental Register, Feb. 8, 1951, Serial No. 590,211.

A TREAT FOR WEARY FEET

For Rug Pads and Cushions.
Claims use since Oct. 24, 1949.

554,098. (Class 51. Cosmetics and Toilet Preparations.) Sales Affiliates, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 24, 1950; amended to application, Supplemental Register, Oct. 25, 1951, Serial No. 593,018.

GOLDEN TREET

For Neutralizing Lotions.
Claims use since Sept. 22, 1949.

554,099. (Class 22. Games, Toys, and Sporting Goods.) American Metal Specialties Corp., Hatboro, Pa. Original filed, act of 1946, Principal Register, Jan. 20, 1950; amended to application, Supplemental Register, June 12, 1951, Serial No. 593,953.

Doll-E-Hichair

For Dolls' High Chairs.
Claims use since Feb. 1, 1947.

554,100. (Class 16. Paints and Painters' Materials.) Shannon Luminous Materials Company Incorporated, Hollywood, Calif. Original filed, act of 1946, Principal Register, Mar. 27, 1950; amended to application, Supplemental Register, Mar. 12, 1951, Serial No. 594,733.

HI-BRITE

For Soluble Gloss Finish Water Paint; Show Card Color Flat Finish Water Paint; Bulletin Color Black Light Paint; Fluorescent Silk Screen Paint Paste; Gloss Waterproof Paint; Paint Impregnated Chalk; and Fluorescent Flock Coating.
Claims use since Mar. 17, 1949.

554,101. (Class 1. Raw or Partly Prepared Materials.) W. A. Wickliffe Coal Company, Inc., Greenville, Ky. Original filed, act of 1946, Principal Register, Apr. 3, 1950; amended to application, Supplemental Register, June 7, 1951, Serial No. 595,180.



The drawing is lined for the color red.
For Coal.
Claims use since Mar. 16, 1950.

554,102. (Class 46. Foods and Ingredients of Foods.) A. Sahadi and Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 5, 1950; amended to application, Supplemental Register, May 18, 1951, Serial No. 595,281.



For Nut Candy.
Claims use since July 17, 1928.

554,103. (Class 50. Merchandise Not Otherwise Classified.) Everlast Blackboard Manufacturing Company, Temple, Tex. Original filed, act of 1946, Principal Register, Apr. 18, 1950; amended to application, Supplemental Register, Aug. 22, 1951, Serial No. 595,879.

Everlast

For Blackboards.
Claims use since Mar. 11, 1950.

554,104. (Class 16. Paints and Painters' Materials.) Spencer-Adams Paint Company, Atlanta, Ga. Original filed, act of 1946, Principal Register, Apr. 28, 1950; amended to application, Supplemental Register, May 16, 1951, Serial No. 596,533.

Ever-Glo

Applicant claims ownership of Registration No. 417,261.
For Floor and Porch Paint Enamel, Prepared Paint for Interior and Exterior Use, Quick Drying Varnish, and Quick Drying Paint Enamels.
Claims use since Aug. 11, 1944.

554,105. (Class 46. Foods and Ingredients of Foods.) Savoil, Inc., Atlanta, Ga. Original filed, act of 1946, Principal Register, May 18, 1950; amended to application, Supplemental Register, June 12, 1951, Serial No. 597,702.

SavOil



For Anti-Oxidant Preparation for Addition to Cooking Oils and Fats Used To Retard Development of Rancidity and Extend Cooking Life.
Claims use since Mar. 1, 1950.

554,106. (Class 51. Cosmetics and Toilet Preparations.) The Nestle-Lemur Company, New York, N. Y. Original filed, act of 1946, Principal Register, June 7, 1950; amended to application, Supplemental Register, May 16, 1951, Serial No. 598,744.

COLORDYE

For Tints and Dyes for the Hair.
Claims use since May 3, 1950.

554,107. (Class 28. Jewelry and Precious-Metal Ware.) Phyllis Originals, Inc., Providence, R. I. Original filed, act of 1946, Principal Register, June 17, 1950; amended to application, Supplemental Register, Aug. 8, 1951, Serial No. 599,341.

Esterelli

For Chatelaines, Ornamental Pins, Earrings, Brooches, Bracelets, Other Than Watch Bracelets, and Necklaces.
Claims use since May 1, 1950.

554,108. (Class 4. Abrasives and Polishing Materials.) MacDonald Metals, Inc., Worcester, Mass. Original filed, act of 1946, Principal Register, June 22, 1950; amended to application, Supplemental Register, Mar. 21, 1951, Serial No. 599,574.

SPONGIT

For Sponge Type of Scouring Pad for Cleaning Stainless Steel and Other Equipment.
Claims use since Nov. 1, 1949.

554,109. (Class 2. Receptacles.) Jiffy Manufacturing Company, Hillside, N. J. Original filed, act of 1946, Principal Register, July 14, 1950; amended to application, Supplemental Register, Sept. 7, 1951, Serial No. 601,399.

FRIGERATOR BAG

The word "Bag" is disclaimed.
For Insulated Paper Bags for Food.
Claims use since Apr. 15, 1950.

554,110. (Class 46. Foods and Ingredients of Foods.) Olympia Brewing Company, Olympia, Wash. Filed Aug. 9, 1950, Serial No. 601,998.

OLYMPIA

Applicant claims ownership of Registration No. 87,001.
For Dried Brewer's Yeast.
Claims use since June 28, 1949.

554,111. (Class 50. Merchandise Not Otherwise Classified.) Master Artist Materials, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 16, 1950; amended to application, Supplemental Register, Oct. 30, 1951, Serial No. 602,269.

HUMAN-ETTE

For Posable Mannikins for Use as Artist's Models and for Supporting Stands for the Same.
Claims use since Jan. 15, 1950.

554,112. (Class 37. Paper and Stationery.) Joseph J. Tucker, New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 24, 1950; amended to application, Supplemental Register, Sept. 21, 1951, Serial No. 602,726.

TUCKER SYSTEM TYPEWRITTEN BOOKKEEPING FORMS

For Partially Printed Checks, Invoices, Journals, Ledger Cards, Payroll Slips, Statements and Vouchers.
Claims use since June 23, 1950.

554,113. (Class 48. Malt Beverages and Liquors.) Fitger Brewing Company, Duluth, Minn. Original filed, act of 1946, Principal Register, Sept. 6, 1950; amended to application, Supplemental Register, Oct. 18, 1951, Serial No. 603,187.

Naturally Brewed

Naturally Better!

Applicant claims ownership of Registrations Nos. 309,099 and 309,100.
For Beer.
Claims use since Apr. 7, 1948.

554,114. (Class 44. Dental, Medical, and Surgical Appliances.) The Seamless Rubber Company, New Haven, Conn. Original filed, act of 1946, Principal Register, Sept. 14, 1950; amended to application, Supplemental Register, Oct. 17, 1951, Serial No. 603,550.

"KOLOR-SIZED"

For Surgeons' Gloves Made of Rubber.
Claims use since Mar. 28, 1950.

554,115. (Class 50. Merchandise Not Otherwise Classified.) Automatic Traps Company, Inc., Webster City, Iowa. Original filed, act of 1946, Principal Register, Sept. 16, 1950; amended to application, Supplemental Register, Sept. 24, 1951, Serial No. 603,628.

AUTOMATIC

For Animal Traps—Namely, Mouse and Rat Traps.
Claims use since Dec. 13, 1949.

554,116. (Class 46. Foods and Ingredients of Foods.) International Distributing Export Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 25, 1950; amended to application, Supplemental Register, Aug. 24, 1951, Serial No. 603,956.

Viv Amoro

For Canned Foods—Namely, Gelatin and Cream Desserts in Powdered Form, Prepared Soups (Some Powdered and Some Liquid), Tomato Sauce, and Chocolate Milk Powder.
Claims use since Aug. 3, 1950.

554,117. (Class 44. Dental, Medical, and Surgical Appliances.) Bell Audiphone Company, Newark, N. J. Original filed, act of 1946, Principal Register, Sept. 26, 1950; amended to application, Supplemental Register, Oct. 27, 1951, Serial No. 603,981.

Bell
Audiphone

For Hearing Aids.
Claims use since Aug. 8, 1950.

554,118. (Class 10. Fertilizers.) O. M. Scott & Sons Company, Marysville, Ohio. Filed Oct. 18, 1950, Serial No. 605,121.

Seedsmen since 1870

For Fertilizers.
Claims use since Nov. 2, 1942.

554,119. (Class 1. Raw or Partly Prepared Materials.) E. J. Lavino and Company, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Nov. 9, 1950; amended to application, Supplemental Register, Nov. 15, 1951, Serial No. 606,150.

HEARTHKROME

For Ground Chrome Ore for Furnace Maintenance.
Claims use since Oct. 12, 1950.

554,120. (Class 6. Chemicals and Chemical Compositions.) Spiegel, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 14, 1950; amended to application, Supplemental Register, Oct. 5, 1951, Serial No. 606,398.



For Alcoholic Anti-Freeze.
Claims use since September 1938.

554,121. (Class 6. Chemicals and Chemical Compositions.) Charles H. Higgins, Pearl River, N. Y. Original filed, act of 1946, Principal Register, Nov. 20, 1950; amended to application, Supplemental Register, Nov. 1, 1951, Serial No. 606,663.

SAV-A-POST

For Preservative for Wood Fence Posts.
Claims use since Sept. 11, 1950.

554,122. (Class 39. Clothing.) Sidney Berkowitz, Kansas City, Mo. Original filed, act of 1946, Principal Register, Dec. 1, 1950; amended to application, Supplemental Register, Nov. 3, 1951, Serial No. 607,153.

APRON-snap-A-backLLS

For Butchers' Aprons.
Claims use since Sept. 15, 1950.

554,123. (Class 46. Foods and Ingredients of Foods.) Parker Candy Company, Inc., Fall River, Mass. Original filed, act of 1946, Principal Register, Dec. 5, 1950; amended to application, Supplemental Register, Oct. 25, 1951, Serial No. 607,298.

Parker's

For Packaged Candy.
Claims use since July 8, 1950.

554,124. (Class 48. Malt Beverages and Liquors.) Carlton & United Breweries Limited, Carlton, Victoria, Australia. Filed Dec. 8, 1950, Serial No. 607,416.



The words "Lager" and "Export" are disclaimed. Applicant claims ownership of Australian Registration No. 18,894, dated Sept. 28, 1915.
For Beer.

554,125. (Class 48. Malt Beverages and Liquors.) Carlton & United Breweries Limited, Carlton, Victoria, Australia. Filed Dec. 8, 1950, Serial No. 607,418.



The words "Bitter Ale" are disclaimed. Applicant claims ownership of Australian Registration No. 24,686, dated Feb. 28, 1919.
For Ale.

554,126. (Class 39. Clothing.) Elizabeth Darwin, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Jan. 27, 1951; amended to application, Supplemental Register, Aug. 13, 1951, Serial No. 609,334.

Shadow Sheath

For Women's Slips.
Claims use since Jan. 2, 1949.

554,127. (Class 46. Foods and Ingredients of Foods.) Anna Carnavos, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Feb. 8, 1951; amended to application, Supplemental Register, Sept. 26, 1951, Serial No. 609,779.

MELI PUFF

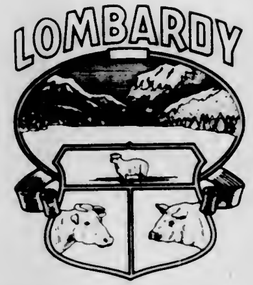
For Pastry Mix.
Claims use since June 1, 1950.

554,128. (Class 46. Foods and Ingredients of Foods.) R. C. Williams & Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 12, 1951; amended to application, Supplemental Register, Oct. 29, 1951, Serial No. 609,992.

DELORO

For Edible Olive Oil.
Claims use since January 1930.

554,129. (Class 1. Raw or Partly Prepared Materials.) Northrup, King & Co., Minneapolis, Minn. Original filed, act of 1946, Principal Register, Mar. 3, 1951; amended to application, Supplemental Register, Nov. 19, 1951, Serial No. 610,796.



For Clover Seed.
Claims use since Jan. 1, 1948.

554,130. (Class 50. Merchandise Not Otherwise Classified.) Stylewear Display Accessories, Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Mar. 5, 1951; amended to application, Supplemental Register, Oct. 29, 1951, Serial No. 610,868.

Springware

For Manikin Wigs.
Claims use since August 1950.

554,131. (Class 45. Soft Drinks and Carbonated Waters.) The Gosman Company, Baltimore, Md. Filed Mar. 7, 1951, Serial No. 610,965.

SUG-A-LESS

Applicant claims ownership of Registration No. 288,992.
For Maltless Soft Drinks and Carbonated Waters.
Claims use since Oct. 2, 1930.

554,132. (Class 37. Paper and Stationery.) Bradner Smith & Company, Chicago, Ill. Filed Mar. 9, 1951, Serial No. 611,110.

RITE BOND

Applicant claims ownership of Registration No. 287,035.
For Bond Paper Used for Mimeographing Purposes.
Claims use since Apr. 1, 1930.

554,133. (Class 46. Foods and Ingredients of Foods.) Bezzerides Bros., Orosi, Calif. Original filed, act of 1946, Principal Register, Mar. 23, 1951; amended to application, Supplemental Register, Oct. 25, 1951, Serial No. 611,678.

GARDEN VALLEY

For Fresh Vegetables and Berries—Namely, Tomatoes, Cantaloupes, Beans, Cucumbers, and Strawberries.
Claims use since June 5, 1949.

554,134. (Class 6. Chemicals and Chemical Compositions.) No Slip Company, Des Moines, Iowa. Original filed, act of 1946, Principal Register, Apr. 9, 1951; amended to application, Supplemental Register, Oct. 26, 1951, Serial No. 612,410.

No Slip

For Product in Powder Form for Applying to the Underside of a Rug or Pad To Hold the Rug or Pad Against Sliding on the Supporting Surface.
Claims use since Feb. 28, 1950.

554,135. (Class 2. Receptacles.) Orden E. Ihle, doing business under the fictitious firm name and style of Ihle Manufacturing Company, Glendale, Calif. Filed May 7, 1951, Serial No. 613,393.

IhLE

For Portable Container and Dispenser, Comprising a Plastic Receptacle With Metallic Base Portion and Spigot, for Storing and Dispensing Fruit Juices, Iced Tea, and Other Liquids.
Claims use since Dec. 11, 1948.

Service Marks

554,136. (Class 101. Advertising and Business.) Robert B. Miller, doing business as Employers Overload Service, Minneapolis, Minn. Original filed, act of 1946, Principal Register, Apr. 4, 1949; amended to application, Supplemental Register, Nov. 18, 1949, Serial No. 576,589.

EMPLOYERS OVERLOAD

For Employment Services—Namely, the Furnishing of Part Time Office Employment to Client on a Contract Basis.
Claims use since Mar. 28, 1948.

554,137. (Class 102. Insurance and Financial.) Lawrence L. Elwell, Detroit, Mich. Original filed, act of 1946, Principal Register, Apr. 15, 1949; amended to application, Supplemental Register, Oct. 26, 1951, Serial No. 577,174.

"The Insurance Doctor"

For General Insurance Brokerage Service in Life, Accident, and Casualty Insurance; Automobile Insurance, Including Property Damage, Fire and Theft, and Liability Insurance; Fidelity Insurance, Marine, Burglary, and Fire Insurance; and Personal Property Floater Insurance.
Claims use since Mar. 11, 1949.

554,138. (Class 102. Insurance and Financial.) Charles C. Risley, doing business as Ozark Farm Agency, Neosho, Mo. Original filed, act of 1946, Principal Register, Nov. 17, 1950; amended to application, Supplemental Register, Oct. 4, 1951, Serial No. 606,568.



For Real Estate Brokerage Services.
Claims use since Sept. 1, 1950.

TRADE-MARK REGISTRATIONS RENEWED

37,516. "LIQUID VENEER" AND DESIGN. Registered Dec. 24, 1901. Buffalo Specialty Manufacturing Company. Re-renewed Dec. 24, 1951, to Liquid Veneer Corporation, Buffalo, N. Y., a corporation of New York. Polishes for Metal, Wood, and Enamel. Class 4.

37,807. GLACE=INE. Registered Feb. 18, 1902. Henry H. Ottens. Re-renewed Feb. 18, 1952, to Henry H. Ottens Mfg. Co., Inc., Philadelphia, Pa., a corporation of New Jersey. Coatings for Chocolate and Confectionery. Class 46.

37,901. FALSTAFF. Registered Mar. 4, 1902. Wm. J. Lemp Brewing Co. Re-renewed Mar. 4, 1952, to Falstaff Brewing Corporation, St. Louis, Mo., a corporation of Delaware. Beer. Class 48.

82,903. MERPACO. Registered Aug. 1, 1911. Mercantile Paper Company, Inc., Montgomery, Ala., a corporation of Alabama. Re-renewed Aug. 1, 1951. Envelops of All Sizes and Grades, Writing-Paper Put in Boxes and Packages, Lead-Pencils, Etc. Class 37.

82,972. REPRESENTATION OF SMALL BOY HOLDING WATCH. Registered Aug. 8, 1911. Elgin National Watch Company, Elgin and Chicago, Ill. Re-renewed Aug. 8, 1951, to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois. Watch-Movements. Class 27.

83,287. "KELTIC" WITHIN RECTANGLE DESIGN. Registered Aug. 29, 1911. S. Stein & Co. Re-renewed Aug. 29, 1951, to S. Stein & Co., Inc., New York, N. Y., a corporation of New York. Woolen Piece Goods. Class 42.

83,818. "COLUMBIA" ETC. AND DRAWING. Registered Oct. 17, 1911. Columbia Ribbon & Carbon Manufacturing Company, New York, N. Y. Re-renewed Oct. 17, 1951, to Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y., a corporation of New York. Carbon-Paper and Type-Writer Ribbons. Class 11.

84,260. LACTOL. Registered Nov. 21, 1911. Alexander F. Sherley. Re-renewed Nov. 21, 1951, to A. F. Sherley & Co. Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Food for Dogs. Class 46.

84,443. "PIONEER BRAND" AND DRAWING. Registered Dec. 12, 1911. Oscar H. Will & Co. Re-renewed Dec. 12, 1951, to Oscar H. Will & Co., Bismarck, N. Dak., a corporation of North Dakota. Carrot-Seed, Celery-Seed, Cauliflower-Seed, Cabbage-Seed, Beet-Seed, Bean-Seed, Etc. Class 1.

84,662. THE HALL ROOM BOYS. Registered Dec. 26, 1911. New York Evening Journal Publishing Company. Re-renewed Dec. 26, 1951, to Hearst Consolidated Publications, Inc., New York, N. Y., a corporation of Delaware. A Periodical Publication. Class 38.

84,664. DESPERATE DESMOND. Registered Dec. 26, 1911. New York Evening Journal Publishing Company. Re-renewed Dec. 26, 1951, to Hearst Consolidated Publications, Inc., New York, N. Y., a corporation of Delaware. A Periodical Publication. Class 38.

84,714. GRAFONOLA. Registered Jan. 2, 1912. American Graphophone Company. Re-renewed Jan. 2, 1952, to Columbia Records Inc., Bridgeport, Conn., a corporation of Delaware. Talking-Machines and Parts Thereof. Class 36.

84,809. LOCKWELL. Registered Jan. 9, 1912. William L. Barrell Co., New York, N. Y., Boston and Lawrence, Mass., Chicago, Ill., and St. Louis, Mo. Re-renewed Jan. 9, 1952, to William L. Barrell Company, New York, N. Y., a corporation of Maine. Duck. Class 42.

84,890. "LION" ETC. AND DRAWING. Registered Jan. 9, 1912. James Walker & Co., London, England, assignor to James Walker and Company Limited. Re-renewed Jan. 9, 1952, to James Walker & Co., Limited, Woking, Surrey, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Machinery Packing Composed of Rubber, Rubber and Fabric, Rubber and Asbestos, or Rubber and a Fibrous Substance, With or Without the Addition of a Soft Metal, and With or Without Wire Fabric. Class 35.

84,895. TAM-A-RAK. Registered Jan. 9, 1912. William L. Barrell Co., New York, N. Y., Boston and Lawrence, Mass., Chicago, Ill., and St. Louis, Mo. Re-renewed Jan. 9, 1952, to William L. Barrell Company, New York, N. Y., a corporation of Maine. Duck. Class 42.

85,463. RED PAIL. Registered Feb. 20, 1912. Jos. Middleby, Jr., Inc. Re-renewed Feb. 20, 1952, to Joseph Middleby, Jr., Inc., Boston, Mass., a corporation of Massachusetts. Pie Fillings. Class 46.

85,483. VC. Registered Feb. 20, 1912. Pennsylvania Rubber Company, Jeannette, Pa., a corporation of Pennsylvania. Re-renewed Feb. 20, 1952. Rubber Vehicle-Tires. Class 35.

85,852. THE WINNER. Registered Mar. 26, 1912. A. W. Faber, Stein, and Berlin, Germany. Re-renewed Mar. 26, 1952, to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J., a corporation of New Jersey. Lead Pencils, Colored Pencils, Copying Pencils, and Ink Pencils. Class 37.

285,227. "VICTOR" AND DRAWING. Registered July 21, 1931. The Crete Mills, Crete, Nebr., a corporation of Nebraska. Renewed July 21, 1951. Hog Food and for the Following Named Poultry Feeds: Chick Mash, Chick Food Otherwise Known as Buttermilk Starter, Etc. Class 46.

285,787. FUGITINT. Registered Aug. 4, 1931. General Dyestuff Corporation, New York, N. Y., a corporation of New York. Renewed Aug. 4, 1951. Dyes and Dyestuffs. Class 6.

286,109. REPRESENTATION OF PLATE AND SHIELD. Registered Aug. 18, 1931. The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio. Renewed Aug. 18, 1951. Machine Tools—Namely, Milling Machines and Cutter Grinders. Class 23.

286,120. REPRESENTATION OF PLATE AND SHIELD. Registered Aug. 18, 1931. Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio. Renewed Aug. 18, 1951. Machine Tools—Viz, Grinding Machines for the Production of Surfaces of Revolution—Namely, Center Type Grinders, Centerless Type Grinders, and Internal Grinders. Class 23.

287,132. SUPRAFIX. Registered Sept. 15, 1931. General Dyestuff Corporation, New York, N. Y., a corporation of New York. Renewed Sept. 15, 1951. Dyes and Dyestuffs. Class 6.

287,744. REPRESENTATION OF GREEK LETTERS (PHI KAPPA TAU). Registered Oct. 6, 1931. The Phi Kappa Tau Fraternity, Oxford, Ohio, a corporation of Ohio. Renewed Oct. 6, 1951. Fraternity Pins and Badges Made of or Plated With Precious Metal. Class 28.

288,014. BOOK SHELF. Registered Oct. 20, 1931. Courtney Campbell, New York, N. Y. Renewed Oct. 20, 1951. Scrap Books. Class 37.

288,015. PARAPRINT. Registered Oct. 20, 1931. The Mead Corporation, Dayton, Ohio, a corporation of Ohio. Renewed Oct. 20, 1951. Printing Paper. Class 37.

288,284. THE CANTEEN. Registered Oct. 20, 1931. Automatic Canteen Company. Renewed Oct. 20, 1951, to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware. Vending Machines. Class 23.

288,297. WHITE DAISY. Registered Oct. 20, 1931. The Van Camp Packing Co., Incorporated, Indianapolis, Ind. Renewed Oct. 20, 1951, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio. Cotton-Seed Oil. Class 46.

288,572. TINGLOW. Registered Nov. 3, 1931. Hindes Limited, Birmingham, England, a corporation organized under the laws of Great Britain. Renewed Nov. 3, 1951. Body Friction Brushes. Class 29.

288,643. "EASTER LILY." Registered Nov. 3, 1931. Fred Fear & Co., Brooklyn, N. Y., a corporation of New York. Renewed Nov. 3, 1951. Dyes—Namely, Easter-Egg Dyes. Class 6.

288,971. MY WIFE'S. Registered Nov. 10, 1931. Fred Fear & Co. Renewed Nov. 10, 1951, to Fred Fear & Co., Brooklyn, N. Y., a corporation of New York. Table Syrups and Food Flavoring Extracts. Class 46.

289,807. "ARGOSY" AND DRAWING. Registered Dec. 8, 1931. The Frank A. Munsey Company. Renewed Dec. 8, 1951, to Popular Publications, Inc., New York, N. Y., a corporation of New York. Weekly Magazine. Class 38.

290,335. DELTA. Registered Jan. 5, 1932. Edward C. Bowers and Charles L. Feldman, receivers for Wickwire Spencer Steel Company, New York, N. Y. Renewed Jan. 5, 1952, to The Colorado Fuel and Iron Corporation, Denver, Colo., a corporation of Colorado. Mechanical Conveyor Belts. Class 23.

290,369. GRIM'S PRES-GARD. Registered Jan. 5, 1932. John Grimberg, New York, N. Y. Renewed Jan. 5, 1952, to Lydin S. Grimberg, Rochester, N. Y. Garment Hangers. Class 50.

290,509. ROTONAMEL. Registered Jan. 5, 1932. The Mead Corporation, Dayton, Ohio, a corporation of Ohio. Renewed Jan. 5, 1952. Book Printing Paper. Class 37.

290,530. NASHKOTE. Registered Jan. 5, 1932. Johns-Manville Corporation, New York, N. Y., a corporation of New York. Renewed Jan. 5, 1952. Acoustic Material Consisting of Felts Having Decorative Finishes Used for Surfacing Walls and Ceilings for Deadening of Sound and Acoustical Correction. Class 12.

290,665. CALOPONE. Registered Jan. 12, 1932. United States Gypsum Company, Chicago, Ill., a corporation of Illinois. Renewed Jan. 12, 1952. Finely Ground Gypsum Used as Paper Filler, Paint Filler, Rubber Filler, and Textile Filler. Class 1.

290,834. DEFENDER. Registered Jan. 19, 1932. Richard Best Pencil Company, Inc., New York, N. Y. Renewed Jan. 19, 1952, to Richard Best Pencil Company, Inc., Springfield, N. J., a corporation of New Jersey. Lead Pencils. Class 37.

291,092. DURANESE. Registered Jan. 26, 1932. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Jan. 26, 1952. Men's and Women's Underwear. Class 39.

291,142. MOUNTAIN PARK. Registered Jan. 26, 1932. Simons & French Company, Inc., New York, N. Y. Renewed Jan. 26, 1952, to Simons & French Company, Incorporated, New York, N. Y., and Sacramento, Calif., a corporation of New York. Fresh Deciduous Fruits, Fresh Citrus Fruits. Class 46.

291,205. "CASSIN BRAND" ETC. AND DESIGN. Registered Feb. 2, 1932. R. U. Delapenha & Co. Inc., New York, N. Y., a corporation of New York. Renewed Feb. 2, 1952. Prepared Foods—Namely, Canned Sardines. Class 46.

291,215. IGEPON. Registered Feb. 2, 1932. General Dyestuff Corporation, New York, N. Y., a corporation of New York. Renewed Feb. 2, 1952. Washing and Scouring Agent for Textile Fabrics. Class 52.

291,229. MAGNIFRIT. Registered Feb. 2, 1932. Canadian Refractories Limited, Montreal, Quebec, Canada, a corporation of the Dominion of Canada. Renewed Feb. 2, 1952. Refractory Cement for Lining Furnaces or Ladles or for Similar Purposes, Mortar, and Bricks. Class 12.

291,276. REVERSO. Registered Feb. 9, 1932. Knapp-Monarch Company, Belleville, Ill. Renewed Feb. 9, 1952, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware. Electric Toasters. Class 21.

291,293. BLOTA PAK. Registered Feb. 9, 1932. The Albemarle Paper Manufacturing Company, Richmond, Va., a corporation of Virginia. Renewed Feb. 9, 1952. All Kinds of Blotting Paper. Class 37.

291,328. CHEVALESE. Registered Feb. 9, 1932. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Feb. 9, 1952, Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

291,774. EMBERTON. Registered Feb. 23, 1932. A. D. Ellis Mills Incorporated, Monson, Mass., a corporation of Massachusetts. Renewed Feb. 23, 1952. Cloth Known as Woolen Piece Goods. Class 42.

291,819. TALCUM LISLE. Registered Feb. 23, 1932. Cooper, Wells & Co., St. Joseph, Mich., a corporation of Michigan. Renewed Feb. 23, 1952. Hosiery, for Men, Women, and Children. Class 39.

291,874. "PURITAN" AND DRAWING. Registered Feb. 23, 1932. United States Gypsum Company, Chicago, Ill., a corporation of Illinois. Renewed Feb. 23, 1952. Finely Ground Gypsum Used as Paper Filler, Paint Filler, Rubber Filler, and Textile Filler. Class 1.

291,905. NU-PAK. Registered Feb. 23, 1932. Stevens & Thompson Paper Co., North Hoosier, N. Y. Renewed Feb. 23, 1952, to Stevens & Thompson Paper Co., Greenwich, N. Y., a corporation of New York. Toilet Paper. Class 37.

291,994. "VIX" WITHIN CIRCLE DESIGN. Registered Mar. 1, 1932. E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Mar. 1, 1952. Leather Belting. Class 35.

292,174. "CECO" AND DESIGN. Registered Mar. 1, 1932. Combustion Equipment Company, Kansas City, Mo., a firm. Renewed Mar. 1, 1952. Combustion Equipment—Namely, Oil Burners, Gas Burners, Counterflow Exhaust Steam Fuel Feed Heaters, Etc. Class 34.

292,249. CABALLERO. Registered Mar. 8, 1932. The Hills Brothers Company, New York, N. Y., a corporation of New York. Renewed Mar. 8, 1952. Canned Pimientos. Class 46.

292,286. NADINOLA. Registered Mar. 8, 1932. National Toilet Company, Paris, Tenn., a corporation of Tennessee. Renewed Mar. 8, 1952. Liquid Cleanser, Face Powder, Cleansing Cream, Nourishing Cream, and Vanishing Cream. Class 51.

292,372. FRESH-O-LATOR. Registered Mar. 15, 1932. The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio. Renewed Mar. 15, 1952. Metal Canisters. Class 2.

292,379. ALABASTER. Registered Mar. 15, 1932. Cheney Brothers, South Manchester, Conn. Renewed Mar. 15, 1952, to Cheney Brothers, Manchester, Conn., a corporation of Connecticut. Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk. Class 42.

292,513. MARVICEL. Registered Mar. 15, 1932. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Mar. 15, 1952. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

292,516. PANNESE. Registered Mar. 15, 1932. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Mar. 15, 1952. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

292,601. BELLE OF '76 PRINTS. Registered Mar. 15, 1932. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Mar. 15, 1952. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

292,618. PIMATO. Registered Mar. 22, 1932. The Hills Brothers Company, New York, N. Y., a corporation of New York. Renewed Mar. 22, 1952. Meat Sauce. Class 46.

292,620. "DURALIFE" WITH HEAVY UNDERLINES. Registered Mar. 22, 1932. Knapp-Monarch Company, Belleville, Ill. Renewed Mar. 22, 1952, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware. Electrical Heating Elements for Use in Electric Heaters, Grill Stoves, Hot Plates, Etc. Class 21.

292,652. "PERKIES" AND DESIGN. Registered Mar. 22, 1932. The Lucile Somarco Brassiere, New York, N. Y. Renewed Mar. 22, 1952, to Kingsboro Silk Mills, Inc., Chattanooga, Tenn., a corporation of New York. Brassières, Corsets, Bandeaux, and Corset and Brassière Combinations. Class 39.

292,677. NATURO. Registered Mar. 22, 1932. George O. Jenkins Company, Bridgewater, Mass., a corporation of Massachusetts. Renewed Mar. 22, 1952. Leatherboard. Class 50.

292,770. HERCULOY. Registered Mar. 29, 1932. Revere Copper and Brass Incorporated, New York, N. Y., a corporation of Maryland. Renewed Mar. 29, 1952. Non-Ferrous Metals and Alloys Thereof in the Form of Sheets, Strips, Rods, Bars, Rolls, Etc. Class 14.

292,839. THE "400". Registered Mar. 29, 1932. Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts. Renewed Mar. 29, 1952. Watches and Parts Thereof. Class 27.

292,849. SATUNESE. Registered Mar. 29, 1932. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Mar. 29, 1952. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

292,909. "RRR" ETC. AND DESIGNS. Registered Mar. 29, 1932. Radway & Co. Inc., New York, N. Y., a corporation of New York. Renewed Mar. 29, 1952. Preparation for the Treatment of Dyspepsia, Indigestion, Heartburn, Biliousness, Constipation, and Similar Ailments. Class 18.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

361,936. "WINDSOR" AND DESIGN. Registered Nov. 8, 1938. Oscar Mayer & Company, Chicago, Ill. Smoked Meats, Including Pork, Ham, and Bacon; Sausage; Boiled Ham, Etc. Class 46. Amended as follows: In the statement, lines 7 and 8, "BUTTER AND EGGS," is deleted.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 84,308. Registered Nov. 28, 1911. James Carter & Co., London, England. Republished by Carters Tested Seeds Limited, London, England, a company organised under the laws of the United Kingdom of Great Britain and Northern Ireland.



For Seeds for Agricultural and Horticultural Purposes.
Claims use since about Dec. 20, 1913.

CLASS 2

RECEPTACLES

Reg. No. 424,920. Registered Oct. 29, 1946. Plastron, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Plastron

For Costume Bags, Garment Bags, Lingerie Bags, Blanket Bags, and Food Storage Bags.
Claims use since Aug. 1, 1945.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Reg. No. 97,431. Registered June 2, 1914. Manning Sand Paper Company, Watervliet, N. Y. Republished by Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts.

DURITE

For Abrasive Paper and Cloth.
Claims use since about Dec. 20, 1913.

Reg. No. 97,433. Registered June 2, 1914. Manning Sand Paper Company, Watervliet, N. Y. Republished by Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts.

METALITE

For Abrasive Paper and Cloth.
Claims use since about Dec. 20, 1913.

Reg. No. 132,453. Registered June 22, 1920. Manning Abrasive Company, Inc., Troy, N. Y. Republished by Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts.

UNIFLOW

For Abrasive or Grinding Belts.
Claims use since about Oct. 1, 1919.

Reg. No. 214,079. Registered June 15, 1926. National Sanding Machine Company, Chicago, Ill. Republished by Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts.

"Lightning"

For Sandpaper.
Claims use since Mar. 1, 1922.

Reg. No. 226,251. Registered Apr. 5, 1927. Herman Behr & Company, Incorporated, Brooklyn, N. Y. Republished by Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts.

ADALOX

For Abrasive Papers and Cloths.
Claims use since Nov. 22, 1926.

Reg. No. 308,750. Registered Dec. 19, 1933. Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts. Republished by registrant.



The words "Electro Coated" are disclaimed apart from the mark as shown.
For Sheet-Like or Flexible Abrasives.
Claims use on or about July 26, 1933.

Reg. No. 369,072. Registered July 11, 1939. Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts. Republished by registrant.

SPIRABAND

For Coated Abrasives.
Claims use since on or about Feb. 15, 1939.

Reg. No. 369,073. Registered July 11, 1939. Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts. Republished by registrant.

SPIRABELT

For Coated Abrasives.
Claims use since on or about Feb. 15, 1939.

Reg. No. 375,932. Registered Mar. 5, 1940. Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts. Republished by registrant.

MOHAWK FLINT

The word "Flint" is disclaimed apart from the mark as shown.
For Coated Abrasives.
Claims use since about May 9, 1919.

Reg. No. 399,702. Registered Jan. 26, 1943. Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts. Republished by registrant.

SPIRAPOINTS

For Abrasive Implements—Namely, Bobs.
Claims use since on or about June 25, 1942.

Reg. No. 400,008. Registered Feb. 9, 1943. Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts. Republished by registrant.

SPIRACORDS

For Coated Abrasives.
Claims use since on or about Sept. 18, 1942.

Reg. No. 415,853. Registered Aug. 21, 1945. Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts. Republished by registrant.

DURABONDED

For Coated Abrasives.
Claims use since on or about Nov. 1, 1943.

Reg. No. 420,254. Registered Apr. 2, 1946. Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts. Republished by registrant.

"METALWELD"

For Coated Abrasives.
Claims use since May 25, 1945.

Reg. No. 433,572. Registered Oct. 21, 1947. Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts. Republished by registrant.

SPEED-GRITS

The word "Grits" is disclaimed apart from the mark as shown.
For Coated Abrasives.
Claims use since 1919.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 275,460. Registered Sept. 23, 1930. (Classified in Class 51.) Ar. Winarick, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Fore

For After Shaving Lotions.
Claims use since May 1, 1930.

Reg. No. 295,115. Registered June 21, 1932. (Classified in Class 51.) Hahn Department Stores, Inc., Wilmington, Del. Republished by Allied Stores Corporation, New York, N. Y., a corporation of Delaware.

AVONA

For Toilet Preparations and Drugs—Namely, Cold Cream, Tissue Cream, Massage Cream, Foundation Cream, Hand Cream, Almond Cream, Cerate Cream, Lemon Cream, Cleansing Cream, Face Lotion, Waving Lotion, Henna Rinse, Rinse for Whitening Hair, Brilliantine, Preparation for Removing Cuticle, Cuticle Balm, Skin Tonic, Astringent, Muscle Oil, Eye Shadow, Nail Polish, Preparation for Removing Nail Polish, Talcum Powder, Face Powder, Dusting Powder, Rouge, Lip Pomade, Lipstick, Antiseptic Mouth Wash, Bath Salts, Bath Powder, Bath Ammonia, Witch Hazel, Rose Water and Glycerin, Tooth Powder, Tooth Paste, Hair Tonic, Ointment for the Scalp, Sunburn Lotion and Ointment, Eyebrow Pencils, Perfumery, Toilet Water, Hair Dye, Depilatories, Aspirin, Spirits of Peppermint, Preparation of Magnesia for Relief of Stomach, Spirits of Camphor, Rubbing Alcohol, Boric Acid, Both Powder and Liquid, Bicarbonate of Soda, Russian Mineral Oil, Soda Mint Tablets, Epsom Salts, and Spirits of Ammonia.
Claims use since October 1921.

Reg. No. 295,116. Registered June 21, 1932. (Classified in Class 51.) Hahn Department Stores, Inc., Wilmington, Del. Republished by Allied Stores Corporation, New York, N. Y., a corporation of Delaware.

LATOUR

For Toilet Preparations and Drugs—Namely, Cold Cream, Tissue Cream, Massage Cream, Foundation Cream, Hand Cream, Almond Cream, Cerate Cream, Lemon Cream, Cleansing Cream, Face Lotion, Waving Lotion, Henna Rinse, Rinse for Whitening Hair, Brilliantine, Preparation for Removing Cuticle, Cuticle Balm, Skin Tonic, Astringent, Muscle Oil, Eye Shadow, Nail Polish, Preparation for Removing Nail Polish, Talcum Powder, Face Powder, Dusting Powder, Rouge, Lip Pomade, Lipstick, Antiseptic Mouth Wash, Bath Salts, Bath Powder, Bath

Ammonia, Witch Hazel, Rose Water and Glycerin, Tooth Paste, Hair Tonic, Ointment for the Scalp, Sunburn Lotion and Ointment, Eyebrow Pencils, Toilet Water, Hair Dye, Depilatories, Aspirin, Spirits of Peppermint, Preparation of Magnesia for Relief of Stomach, Spirits of Camphor, Rubbing Alcohol, Boric Acid, Both Powder and Liquid, Bicarbonate of Soda, Russian Mineral Oil, Soda Mint Tablets, Epsom Salts, and Spirits of Ammonia.
Claims use since October 1921.

Reg. No. 349,184. Registered Aug. 24, 1937. Compagnie Nationnle de Materes Colorantes et Manufactures de Produits Chimlques du Nord Reunies Etablissements Kuhlmann, Paris, France. Republished by Manufactures de Produits Chimiques du Nord Etablissements Kuhlmann, Paris, France, a corporation organized under the the laws of the Republic of France.

K

For Chemical Dyestuffs.
Claims use since Aug. 20, 1936.

CLASS 15

OILS AND GREASES

Reg. No. 267,544. Registered Feb. 25, 1930. Sunset Pacific Oil Company, Los Angeles, Calif. Republished by Sunset Oil Company, Los Angeles, Calif., a corporation of California.

SUNOLENE

For Lubricating Oils, Lubricating Greases.
Claims use since Oct. 9, 1929.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 46,450. Registered Sept. 19, 1905. Emerson Drug Company, Baltimore, Md. Republished by The Emerson Drug Company of Baltimore City, Baltimore, Md., a corporation of Maryland.

BROMO-SELTZER

For Granular Effervescent Salt for the Cure of Headache, Nervousness, Nervous Headache, Neuralgia, Brain Fatigue, Sleeplessness, Over Brain-Work, Depression, and Mental Exhaustion.
Claims use since Jan. 15, 1889.

Reg. No. 275,460. Registered Sept. 23, 1930. (Classified in Class 51.) Ar. Winarick, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Fore

For After Shaving Lotions.
Claims use since May 1, 1930.

Reg. No. 295,115. Registered June 21, 1932. (Classified in Class 51.) Hahn Department Stores, Inc., Wilmington, Del. Republished by Allied Stores Corporation, New York, N. Y., a corporation of Delaware.

AVONA

For Toilet Preparations and Drugs—Namely, Cold Cream, Tissue Cream, Massage Cream, Foundation Cream, Hand Cream, Almond Cream, Cerate Cream, Lemon Cream, Cleansing Cream, Face Lotion, Waving Lotion, Henna Rinse, Rinse for Whitening Hair, Brilliantine, Preparation for Removing Cuticle, Cuticle Balm, Skin Tonic, Astringent, Muscle Oil, Eye Shadow, Nail Polish, Preparation for Removing Nail Polish, Talcum Powder, Face Powder, Dusting Powder, Rouge, Lip Pomade, Lipstick, Antiseptic Mouth Wash, Bath Salts, Bath Powder, Bath Ammonia, Witch Hazel, Rose Water and Glycerin, Tooth Powder, Tooth Paste, Hair Tonic, Ointment for the Scalp, Sunburn Lotion and Ointment, Eyebrow Pencils, Perfumery, Toilet Water, Hair Dye, Depilatories, Aspirin, Spirits of Peppermint, Preparation of Magnesia for Relief of Stomach, Spirits of Camphor, Rubbing Alcohol, Boric Acid, Both Powder and Liquid, Bicarbonate of Soda, Russian Mineral Oil, Soda Mint Tablets, Epsom Salts, and Spirits of Ammonia.
Claims use since October 1921.

Reg. No. 295,116. Registered June 21, 1932. (Classified in Class 51.) Hahn Department Stores, Inc., Wilmington, Del. Republished by Allied Stores Corporation, New York, N. Y., a corporation of Delaware.

LATOUR

For Toilet Preparations and Drugs—Namely, Cold Cream, Tissue Cream, Massage Cream, Foundation Cream, Hand Cream, Almond Cream, Cerate Cream, Lemon Cream, Cleansing Cream, Face Lotion, Waving Lotion, Henna Rinse, Rinse for Whitening Hair, Brilliantine, Preparation for Removing Cuticle, Cutile Balm, Skin Tonic, Astringent, Muscle Oil, Eye Shadow, Nail Polish, Preparation for Removing Nail Polish, Talcum Powder, Face Powder, Dusting Powder, Rouge, Lip Pomade, Lipstick, Antiseptic Mouth Wash, Bath Salts, Bath Powder, Bath Ammonia, Witch Hazel, Rose Water and Glycerin, Tooth Paste, Hair Tonic, Ointment for the Scalp, Sunburn Lotion and Ointment, Eyebrow Pencils, Toilet Water, Hair Dye, Depilatories, Aspirin, Spirits of Peppermint, Preparation of Magnesia for Relief of Stomach, Spirits of Camphor, Rubbing Alcohol, Boric Acid, Both Powder and Liquid, Bicarbonate of Soda, Russian Mineral Oil, Soda Mint Tablets, Epsom Salts, and Spirits of Ammonia.
Claims use since October 1921.

Reg. No. 418,384. Registered Dec. 18, 1945. Campbell Products, Inc., New York, N. Y. Republished by Campbell Pharmaceutical Co., New York, N. Y., a co-partnership.

MERCUZANTHIN

For Mercurial Diuretics.
Claims use since May 21, 1945.

Reg. No. 437,737. Registered Mar. 30, 1948. Campbell Products, Inc., New York, N. Y. Republished by Campbell Pharmaceutical Co., New York, N. Y., a co-partnership.

Novatrin

For Derivative of Atropine, Synthetically Prepared, and Exerting an Antispasmodic Effect Upon Smooth Muscle Organs In General but Being Used Mainly in the Treatment of Spasms of the Gastro-Intestinal and Genitourinary Organs and Being Valuable in the Treatment of Peptic Ulcer in That It Also Inhibits Secretion of Hydrochloric Acid in the Stomach.
Claims use since Mar. 17, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 374,253. Registered Jan. 2, 1940. The May Department Stores Company, New York, N. Y., Akron and Cleveland, Ohio, and elsewhere, a corporation of New York. Republished by registrant, present address St. Louis, Mo.

BABY ARISTOCRAT

For Dressed and Undressed Dolls.
Claims use since Aug. 11, 1939.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 25,802. Registered Jan. 1, 1895. The Cutaway Harrow Company, Higganum, Conn. Republished by Orkil, Incorporated, East Hartford, Conn., a corporation of Connecticut.

CUTAWAY

For Harrows.
Claims use since March 1887.

Reg. No. 207,150. Registered Dec. 22, 1925. The Cutaway Harrow Company, Higganum, Conn. Republished by Orkil, Incorporated, East Hartford, Conn., a corporation of Connecticut.

Clark CUTAWAY

The name "Clark" is disclaimed apart from the mark as shown.
For Harrows and Edged Disks for Agricultural Implements, and Parts Thereof.
Claims use since 1912.

Reg. No. 420,371. Registered Apr. 9, 1946. A. B. Gerhan, doing business as Pegmar Products Company, San Francisco, Calif. Republished by The S. O. S. Company, Chicago, Ill., a corporation of Delaware.

TUFFY

For Hand Scrapers for Pots and Pans, and Household and Mechanics' Use.
Claims use since Nov. 1, 1944.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 290,837. Registered Jan. 19, 1932. National Radiator Corporation, Johnstown, Pa. Republished by The National Radiator Company, Johnstown, Pa., a corporation of Maryland.

AERO

For Heating Radiators and Convectors.
Claims use since July 1, 1922.

CLASS 39

CLOTHING

Reg. No. 218,052. Registered Sept. 21, 1926. Levinsohn Bros. & Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.

JAYSON

For Men's and Boys' Coats, Trousers, Vests, and Overcoats.
Claims use since April 1924.

Reg. No. 374,178. Registered Jan. 2, 1940. The May Department Stores Company, New York, N. Y., Akron and Cleveland, Ohio, and elsewhere, a corporation of New York. Republished by registrant, present address St. Louis, Mo.

BabyAristocrat

For Infants' and Children's Dresses, Coats, Jackets, Hats, Shawls, Flannelettes, Gertrudes, and Kimonos.
Claims use since June 7, 1930.

Reg. No. 392,178. Registered Dec. 16, 1941. Levinsohn Bros. & Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.

4-WAY

For Men's Overcoats and Topcoats and Boys' Overcoats and Topcoats.
Claims use since Sept. 16, 1940.

Reg. No. 393,115. Registered Jan. 27, 1942. Rivoli Corset Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Whirl-Eze

For Corsets.
Claims use since May 1940.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 302,538. Registered Apr. 25, 1933. The May Department Stores Company, St. Louis, Mo., a corporation of New York. Republished by registrant.

BABY ARISTOCRAT

For Blankets.
Claims use since May 1932.

Reg. No. 357,169. Registered May 24, 1938. Levinsohn Bros. & Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Guaran-Tweed

The word "Tweed" is disclaimed apart from the mark as shown.
For Woolen Cloth, and Mixed Wool and Cotton Cloth.
Claims use since July 1, 1937.

Reg. No. 363,213. Registered Dec. 13, 1938. Levinsohn Bros. & Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.

STEEL-SPUN

The word "Spun" is disclaimed apart from the mark as shown.
For Woolen Cloth Piece Goods, and Mixed Wool and Cotton Cloth Piece Goods.
Claims use since July 15, 1938.

Reg. No. 373,547. Registered Dec. 12, 1939. The May Department Stores Company, New York, N. Y., Akron and Cleveland, Ohio, and elsewhere, a corporation of New York. Republished by registrant, present address St. Louis, Mo.

ARISTOCRAT Curtains

The word "Curtains" is disclaimed apart from the mark as shown.
For De Luxe and Imperial Curtains (These Terms Differentiate Qualities of Goods).
Claims use since Aug. 25, 1938.

Reg. No. 444,204. Registered Sept. 12, 1950. Plastron, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Plastron

For Shower Curtains Made of Plastic Film.
Claims use since Aug. 1, 1945.

CLASS 43

THREAD AND YARN

Reg. No. 84,758. Registered Jan. 2, 1912. The Spool Cotton Company, Newark, N. J., and New York, N. Y. Republished by The Clark Thread Company, Inc., Wilmington, Del., and Clarksdale, Ga., a corporation of Delaware.

WOLF



For Cotton Thread and Yarn.
Claims use since Oct. 13, 1910.

Reg. No. 84,759. Registered Jan. 2, 1912. The Spool Cotton Company, Newark, N. J., and New York, N. Y. Republished by The Clark Thread Company, Inc., Wilmington, Del., and Clarksdale, Ga., a corporation of Delaware.

ANVIL



For Cotton Thread and Yarn.
Claims use since Sept. 29, 1910.

Reg. No. 84,760. Registered Jan. 2, 1912. The Spool Cotton Company, Newark, N. J., and New York, N. Y. Republished by The Clark Thread Company, Inc., Wilmington, Del., and Clarksdale, Ga., a corporation of Delaware.



For Cotton Thread and Yarn.
Claims use since Mar. 1, 1911.

Reg. No. 290,675. Registered Jan. 12, 1932. The Clark Thread Company, Newark, N. J. Republished by The Clark Thread Company, Inc., Wilmington, Del., and Clarksdale, Ga., a corporation of Delaware.

DANDY

For Thread and Yarn.
Claims use since July 11, 1930.

Reg. No. 290,676. Registered Jan. 12, 1932. The Clark Thread Company, Newark, N. J. Republished by The Clark Thread Company, Inc., Wilmington, Del., and Clarksdale, Ga., a corporation of Delaware.

USIT

For Thread and Yarn.
Claims use since April 1929.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 287,568. Registered Sept. 29, 1931. Dean Rubber Manufacturing Company, North Kansas City, Mo. Republished by Wilbur J. Dean, North Kansas City, Mo.

SEMI-DITY

For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since May 1, 1930.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 415,105. Registered July 10, 1945. Old Fashion Ma's Root Beer Bottling Company, Wilkes-Barre, Pa. Republished by Isaac Rothstein and Barnett Rothstein, Wilkes-Barre, Pa., a partnership.

The Kind That Mother Used To Make

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since 1936.

Reg. No. 417,147. Registered Oct. 16, 1945. Old Fashion Ma's Root Beer Bottling Company, Wilkes-Barre, Pa. Republished by Isaac Rothstein and Barnett Rothstein, Wilkes-Barre, Pa., a partnership.

Mar

The drawing is lined for red.
For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 51,080. Registered Apr. 3, 1906. John Edward Kriete, Dunnsville, Va. Republished by Huff Canneries, Incorporated, Roanoke, Va., a corporation of Virginia.

OLD DOMINION

For Canned Fruits and Vegetables.
Claims use since Feb. 1, 1885.

Reg. No. 289,781. Registered Dec. 8, 1931. Sociedad Anonima Mackinnon & Coelho, Limitada Compania Yerbatera, Buenos Aires, Argentina, a corporation organized under the laws of the Republic of Argentina. Republished by registrant.

SALUS

All the words except "Salus" are disclaimed apart from the mark as shown.
For Yerba Mate.
Claims use since July 1922.

Reg. No. 344,557. Registered Mar. 30, 1937. Gateway Baking Company, Fort Smith, Ark. Republished by Campbell Taggart Associated Bakeries, Inc., Dallas, Tex., a corporation of Delaware.

The representation of the wrapper is disclaimed apart from the mark as shown.
For Bread.
Claims use since June 1, 1933.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 275,460. Registered Sept. 23, 1930. Ar. Winarick, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Fore

For After Shaving Lotions.
Claims use since May 1, 1930.

Reg. No. 295,115. Registered June 21, 1932. Hahn Department Stores, Inc., Wilmington, Del. Republished by Allied Stores Corporation, New York, N. Y., a corporation of Delaware.

AVONA

For Toilet Preparations and Drugs—Namely, Cold Cream, Tissue Cream, Massage Cream, Foundation Cream, Hand Cream, Almond Cream, Cerate Cream, Lemon Cream, Cleansing Cream, Face Lotion, Waving Lotion, Henna Rinse, Rinse for Whitening Hair, Brilliantine, Preparation for Removing Cuticle, Cuticle Balm, Skin Tonic, Astringent, Muscle Oil, Eye Shadow, Nail Polish, Preparation for Removing Nail Polish, Talcum Powder, Face Powder, Dusting Powder, Rouge, Lip Pomade, Lipstick, Antiseptic Mouth Wash, Bath Salts, Bath Powder, Bath Ammonia, Witch Hazel, Rose Water and Glycerin, Tooth Powder, Tooth Paste, Hair Tonic, Ointment for the Scalp, Sunburn Lotion and Ointment, Eyebrow Pencils, Perfumery, Toilet Water, Hair Dye, Depilatories, Aspirin, Spirits of Peppermint, Preparation of Magnesia for Relief of Stomach, Spirits of Camphor, Rubbing Alcohol, Boric Acid, Both Powder and Liquid, Bicarbonate of Soda, Russian Mineral Oil, Soda Mint Tablets, Epsom Salts, and Spirits of Ammonia.
Claims use since October 1921.

Reg. No. 295,116. Registered June 21, 1932. Hahn Department Stores, Inc., Wilmington, Del. Republished by Allied Stores Corporation, New York, N. Y., a corporation of Delaware.

LATOUR

For Toilet Preparations and Drugs—Namely, Cold Cream, Tissue Cream, Massage Cream, Foundation Cream, Hand Cream, Almond Cream, Cerate Cream, Lemon Cream, Cleansing Cream, Face Lotion, Waving Lotion, Henna Rinse, Rinse for Whitening Hair, Brilliantine, Preparation for Removing Cuticle, Cuticle Balm, Skin Tonic, Astringent, Muscle Oil, Eye Shadow, Nail Polish, Preparation for Removing Nail Polish, Talcum Powder, Face Powder, Dusting Powder, Rouge, Lip Pomade, Lipstick, Antiseptic Mouth Wash, Bath Salts, Bath Powder, Bath Ammonia, Witch Hazel, Rose Water, and Glycerin, Tooth Paste, Hair Tonic, Ointment for the Scalp, Sunburn Lotion and Ointment, Eyebrow Pencils, Toilet Water, Hair Dye, Depilatories, Aspirin, Spirits of Peppermint, Preparation of Magnesia for Relief of Stomach, Spirits of Camphor, Rubbing Alcohol, Boric Acid, Both Powder and Liquid, Bicarbonate of Soda, Russian Mineral Oil, Soda Mint Tablets, Epsom Salts, and Spirits of Ammonia.
Claims use since October 1921.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 275,460. Registered Sept. 23, 1930. (Classified in Class 51.) Ar. Winarick, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Fore

For After Shaving Lotions.
Claims use since May 1, 1930.

REISSUES

JANUARY 22, 1952

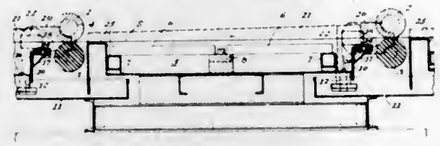
23,456

APPARATUS FOR ELECTROCOATING STRIPLIKE MATERIAL

Ernest W. Rieger, Bloomingdale, Ohio, assignor to National Steel Corporation, a corporation of Delaware

Original No. 2,569,578, dated October 2, 1951, Serial No. 548,406, August 7, 1944. Application for reissue November 5, 1951, Serial No. 254,820

6 Claims. (Cl. 204—206)



1. In apparatus for progressively electroplating strip, the combination comprising, a tank for holding a bath of electroplating solution, means for moving the strip along a horizontal path across the tank from the entry end to the exit end whereby the moving strip drags electroplating solution in the direction of strip travel, means for supplying electroplating solution to the tank, an electroplating anode disposed in said tank below the path of the strip, said tank having a bottom wall, side walls extending upwardly from the bottom wall above the path of the strip across the tank for preventing spillage of electroplating solution across the side walls, an entry end wall extending upwardly from the bottom wall toward the path of the strip and terminating below the path of the strip and below the side walls, said tank being free of means preventing the spillage of solution across the top of the entry end wall and said entry end wall forming a discharge weir for the solution at the entrance end of the tank, and an exit end wall at the exit end of the tank extending upwardly from the bottom wall toward the path of the strip, said strip moving means comprising a pair of strip engaging rolls including an upper roll and a lower roll adjacent the discharge end of and positioned outside of the tank, one of said rolls being a contact roll for making electrical contact with the strip, means for connecting the contact roll and the anode to a source of electric current, sealing means extending between each of the side walls of the tank and the rolls and sealing means extending between at least one of the rolls and the exit end wall of the tank, the sealing means with the rolls preventing the spillage of electroplating solution from the exit end of the tank so that substantially all of the spillage of electroplating solution from the tank is across the entry end wall in a direction countercurrent to the direction of strip movement across the tank, and means [extending beneath] *at* the entry end of the tank for collecting the electroplating solution spilling over the entry end wall of the tank.

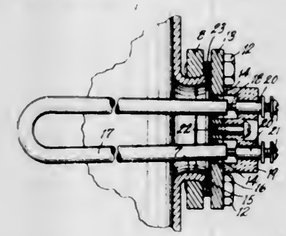
23,457

TANK PORT AND COUPLING

Gerald E. White, Middleville, Mich., assignor to White Products Corporation, Middleville, Mich.

Original No. 2,473,669, dated June 21, 1949, Serial No. 710,581, November 18, 1946. Application for reissue March 24, 1950, Serial No. 151,633

12 Claims. (Cl. 219—38)

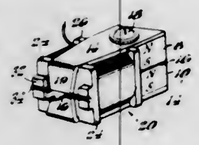


5. A water tank comprising a sheet metal wall, a portion of said wall being pierced and extruded outwardly to form a drawneck, a coupling ring pressed around said drawneck and spaced from the wall of said tank, the end of said drawneck being expanded outwardly to overlap a portion of said ring and machined flat parallel to said coupling ring, said coupling ring defining a series of tapped apertures spaced therearound, a heating element having a flat flange plate secured to said coupling collar by cap screws extending therethrough, and a gasket clamped between said flange plate and the finished end of said drawneck.

PATENTS

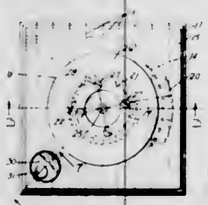
GRANTED JANUARY 22, 1952

2,582,942
ELECTROACOUSTICAL TRANSDUCER
Randall B. Baker, New York, N. Y., assignor to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn., a corporation of Delaware
Application November 1, 1949, Serial No. 124,893
3 Claims. (Cl. 171—209)



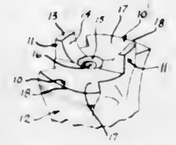
1. A transducer comprising two permanent magnets, two pole pieces opposing each other across an air gap and secured to said permanent magnets, a vibrating armature fixed between the magnets and extending through the air gap, a coil form surrounding the armature and having a pair of bosses on one end thereof on either side of the air gap, each boss having a groove aligned with the desired air gap position, non-magnetic spacers seated in the grooves and extending into the air gap, and means for holding the ends of the pole pieces in contact with the spacers to maintain a fixed spatial relation between the pole pieces.

2,582,943
AZIMUTH RING PRINTING STAMP FOR MAPS
Ray C. Barker, Denver, Colo.
Application March 7, 1949, Serial No. 80,020
3 Claims. (Cl. 101—373)



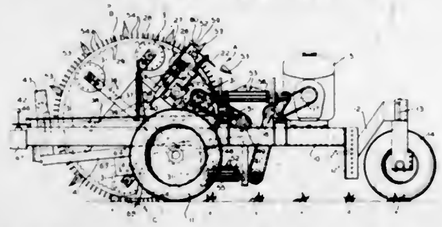
1. An air map stamp comprising: a relatively thick, rectangular base block of transparent material; meridian lines engraved on said block parallel to the two side edges thereof, said lines being visible through said block; a central stamp opening extending vertically through said block; a transparent rotatable index plate inset in a counterbore at the top of said opening; a transparent top plate on said block extending over said index plate to maintain the latter in its counterbore, said top plate and said index plate having centrally positioned openings; a degree scale carried by said block below said index plate so as to be visible through the latter; an indicating line on said index plate over said scale to indicate positions on the latter; and an annular azimuth circle printing stamp mounted concentrically in said openings and arranged to rotate with said index plate.

2,582,944
DETACHABLE BIT
Irvine Joseph Berscheid, Bissett, Manitoba, Canada
Application May 20, 1947, Serial No. 749,230
2 Claims. (Cl. 255—64)



1. In a hollow drill bit having a drill body with a central bore, a full diametric portion and a reduced diametric portion, the reduced diametric portion being in advance of the full diametric portion and having leading cutters formed therefrom, the full diametric portion having reaming cutters formed therefrom, the improvement of forming said leading cutters with elongated arc shaped cutting faces, the outer side edges thereof being defined by the outer periphery of said reduced diametric portion, the inner side edges thereof being substantially parallel to said outer side edges, said drill bit being formed with surfaces sloping inwardly from said inner side edges of said cutting faces to said bore.

2,582,945
FLOATING PICKUP WHEEL TYPE BEET HARVESTER
James B. Bingham, Orlando A. Holkesvig, and Thorolf H. Herberg, East Grand Forks, Minn.
Application July 26, 1947, Serial No. 763,952
8 Claims. (Cl. 55—108)



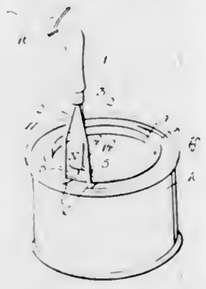
2. A beet harvester including a main supporting frame, an inner frame pivoted to said main frame, a floating beet pickup unit comprising a series of parallelly disposed floating wheel rims, an internal gear formed on each of said rims, a series of adjustable pinions adapted to engage said gears of said wheel rims, a skeleton frame on which said pinions are mounted, counterbalancing spring means connecting said inner frame to said skeleton frame, topping knives for topping the beets picked up by said wheel rims, said topping knives being adjustably secured to said skeleton frame, and an adjustable wheel cleaning unit secured to said skeleton frame and formed of a series of rotating toothed wheels which extend between said wheel rims in a manner to cleanse the same in operation and to adjust the position of the beet on said wheel rims just prior to being topped.

2,582,946
FLAME METHOD OF CUTTING METAL
Warren E. Brill, Haddon Heights, N. J.
Application June 21, 1948, Serial No. 34,238
5 Claims. (Cl. 148—9)



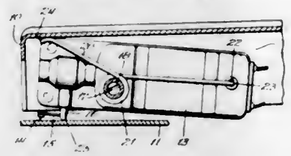
1. A method of cutting metal which consists in subjecting a surface portion of said metal to a flame produced by the ignition of a substantially uniform mixture of oxygen and a fuel gas for a period of time sufficiently long to create a puddle of molten metal on said surface, and then increasing the pressure of said substantially uniform mixture of gases feeding said flame to a degree sufficient to move said puddle of molten metal away from its area of origin.

2,582,947
PRY TYPE LID LIFTER AND RETAINER
William Stephen Burnard, Winnipeg, Manitoba, Canada
Application October 8, 1949, Serial No. 120,339
4 Claims. (Cl. 81—3.1)



1. An opener for snap-lid cans, canisters and the like, comprising in combination with a handle, a lever arm extending from said handle, a lid-lip engaging claw angulated from the distal end of said arm and a resilient lid retainer component also extending from said handle co-acting with said claw to retain the lid of said can when removed therefrom, said lid retainer component being angulated at the distal end thereof in opposition to said claw, said distal end of said retainer component being in overlapping relationship with said claw.

2,582,948
PHONOGRAPH PICKUP UNIT
William E. Cairnes, Chicago, Ill., assignor to Motorola, Inc., a corporation of Illinois
Application May 6, 1947, Serial No. 746,211
1 Claim. (Cl. 274—1)

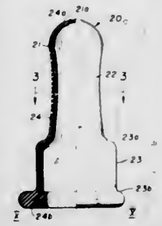


A pick-up unit for translating undulations recorded in the grooves of a record into electrical signals, including in combination, a tone arm, a translating device including a housing, an arm extending from said housing supporting a record engaging stylus and a projecting portion having a rounded end, and mounting means for supporting said translating device on said tone arm including a pivotal portion connected to said housing intermediate the ends thereof, said projecting portion being positioned intermediate said stylus and said pivotal portion, said mounting including spring means having portions engaging said tone arm and said housing for biassing said translating device about said pivotal portion to a position in which said stylus extends below said projecting portion for engaging the grooves of the record, said spring means being relatively more flexible than said supporting arm so that when said tone arm is forced against the record, said spring means flexes to permit rotary movement of said translating device before said supporting arm flexes substantially to change the position of said stylus with respect to said translating device, whereby said translating device is rotated to a position in which said stylus is removed from the record and said rounded end of said projection portion engages the record and the record is therefore not substantially damaged.

2,582,949
WATER-SOLUBLE COMBINATION PRODUCTS OF GOSSYPOL AND AMINO ACIDS
Aaron M. Altschul and Leah E. Castillon, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application May 18, 1951, Serial No. 227,095
8 Claims. (Cl. 260—534)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)
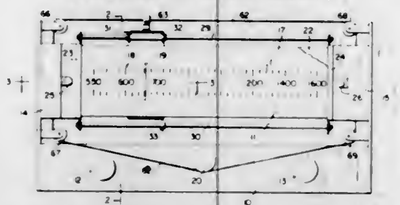
1. A water soluble gossypol-amino acid combination product, prepared by reacting gossypol and an amino acid in an alkaline aqueous medium; and characterized by toxicity to goldfish and non-toxicity to rats or mice, the amino acid being an alpha-amino alkanoic carboxylic acid which is soluble in an aqueous solution of an alkali metal hydroxide having a pH of at least 9.

2,582,950
NURSING BOTTLE NIPPLE
Benjamin Alstadt and Harold Sappey, New York, N. Y.
Application March 2, 1950, Serial No. 147,242
15 Claims. (Cl. 128—252)



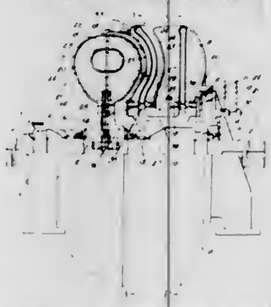
1. A nursing nipple having a hollow perforated head of the character described comprising an elastic tubular wall structure for drawing a liquid flow from a bottle therethrough, said wall structure formed with an elongated air conduit completely partitioned from said liquid flow within the nipple communicating an exterior side of said nipple head when within the mouth in suckling position with the atmosphere external the mouth.

2,582,951
RADIO RECEIVER TUNING INDICATOR
Gerald J. Barry, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application April 12, 1947, Serial No. 741,107
6 Claims. (Cl. 116—124.1)



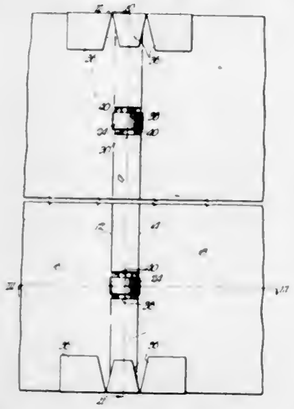
1. In a radio receiver, a tuning indicator comprising a first and a second transparent member arranged adjacent to each other, tuning indicia provided on the face of said first member disposed adjacent to said second member, a substantially translucent coating on the outer face of said second member, a first source of light arranged to project light substantially along the adjacent faces of said members to illuminate said indicia, a carriage, a track disposed substantially parallel to said members for slidably mounting said carriage, means for moving said carriage along said track, a second source of light on said carriage arranged in close proximity to said members, a cylindrical lens mounted on said carriage adjacent to said coating, and means for projecting a beam of light from said second source onto said lens, thereby to provide a narrow luminous pointer.

2,582,952
FLUID CIRCULATION CONTROLS FOR ROTARY PUMP AND TURBINE FLUID COUPLINGS
John Edward Becker, Darlington Township, Durham County, Ontario, Canada
Application December 31, 1947, Serial No. 795,055
2 Claims. (Cl. 60—54)



1. A fluid coupling including a driving member and a driven member, a stationary hub, cooperating impeller and runner elements on the members forming between them a working chamber for the coupling liquid, a housing rotating with the impeller and enclosing the impeller and runner elements, an extension on said housing rotatable therewith and journaled on the stationary hub, said extension including a circular fluid containing chamber communicating with the working chamber and a circular fluid reservoir chamber partitioned therefrom, in each chamber of which a centrifugal fluid ring is formed during operation, a freely rotatable disc mounted within each chamber and rotatable under the influence of the centrifugal fluid ring, an open ended embedded fluid scoop pipe extending radially through each disc to a point slightly beyond its peripheral edge, an annular boss on the inner edge of each disc journaled on the stationary hub and through which the scoop pipe passes, said hub having a communicating passage between the scoop pipes of each disc, and an independently operated brake on each boss whereby rotative movement of each disc may be retarded.

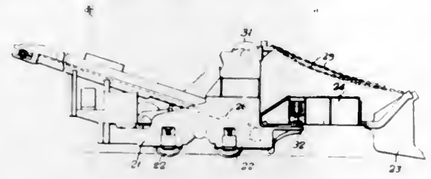
2,582,953
LOOSE-LEAF BINDER
John M. Bender, Kansas City, Mo., assignor to Inter-Collegiate Press, Kansas City, Mo., a corporation of Missouri
Application June 9, 1947, Serial No. 753,492
1 Claim. (Cl. 129—1)



Structure for releasably binding a pack of perforated, loose leaves, said structure comprising a panel foldable intermediate the ends thereof along a pair of spaced, parallel lines of bend to present a top cover, a bottom cover, and a back wall between the lines of bend; a number of openings formed in said back wall; an elongated bar on the outermost face of back wall, the width and length of the bar being the same as that of the back wall; a tab on each end respectively of the bar and looped over the inner face of the back wall for holding the bar in place thereon; a pair of spaced, substantially U-shaped loops integral with the bar and extending through each of said openings respectively, the bights of the loops being flat and elongated and having their longitudinal axes parallel with the longitudinal axis of the bar, all of said bights being in a common plane in spaced parallelism to the inner face of the bar; and a split, band-like retainer ring of resilient material for each pair of loops respectively, the free ends each having an elongated, out-turned hook, coextensive in length with said bights and disposed within its loop when said ends are between the loops and are biased outwardly against said bights.

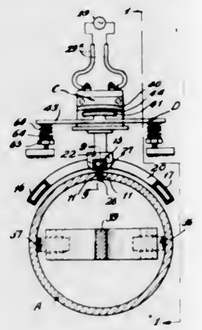
2,582,954
IMPACT REDUCING MEANS FOR MUCKING MACHINES
Anthony R. Biedess, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 16, 1949, Serial No. 127,681
4 Claims. (Cl. 214—90)

1. In a mucking machine, a track mounted main frame, a boom pivotally mounted on said main frame, a scoop mounted on the free end of said boom, means for elevating and swinging said boom from side to side, a support projecting forwardly from said main frame and adapted to limit downward movement of said boom and form a support therefor during the gathering operation, a striker bar movable relative to said



boom and disposed transversely across the underside of said boom for engagement with said support when the boom is dropped, impact reducing means including spring means and hydraulic shock absorbing means interposed between each end of said bar and said boom for reducing the impact load exerted by the bar on the support when the boom is dropped.

2,582,955
HIGH-FREQUENCY INDUCTION-HEATING APPARATUS
Alfred C. Body, Cleveland, Ohio, assignor to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application April 7, 1949, Serial No. 86,054
16 Claims. (Cl. 219—6)

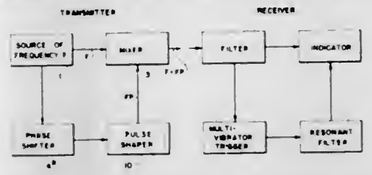


1. In high-frequency induction-heating apparatus adapted to heat the opposed spaced edges of a rapidly-moving skelp, said apparatus comprising an inductor including a conductor in close spaced parallel relationship to the edges to be heated, said conductor being wider than the space between said edges and having a centrally disposed flange narrower than the space between said edges and extending between said edges, said inductor having metallic spacer members adapted to engage surfaces of said skelp and space said conductor from said edges a predetermined amount, means mounting said inductor for movement both in a radial plane and arcuately about an axis of said skelp, whereby said inductor may rest at least in part on said skelp and move up and down therewith and sidewardly to correspond to transverse movements of said skelp as it progresses past said inductor.

2,582,956
ACTIVATING CLAY BY ROASTING WITH ADMIXED ACID SALTS
George R. Bond, Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 5, 1948, Serial No. 6,551
15 Claims. (Cl. 252—450)

1. The process of treating natural hydrosilicates of aluminum which comprises the steps of admixing such a hydrosilicate with a salt of a mineral acid furnishing acidic components which are not substantially volatilized as such at the treating temperature hereinafter defined, said salt being one incapable of forming on heating an insoluble cation-containing residue detrimental to catalytic activity; heating the mixture of hydrosilicate and salt to at least 600° F., but not in excess of 1500° F., and washing the obtained reaction product to remove any water soluble conversion products thus formed.

2,582,957
COMMUNICATION SYSTEM
Adolph W. Borsum, United States Navy, and Wilhelm W. Brockway, Los Angeles, Calif.
Application November 26, 1945, Serial No. 630,957
2 Claims. (Cl. 177—337)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



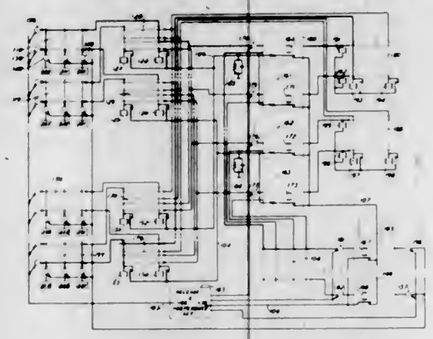
2. An electromagnetic wave communication system comprising at the transmitter, a source of fixed frequency, means for shifting the phase of a portion of the output of said source in accordance with coded intelligence, means shaping said portion of said output into pulses of said frequency, means mixing said pulses and the remaining portion of said output and transmitting said mixed components as a complex wave, and at the receiver of said system a filter separating said components of said complex wave, multivibrator means responsive to said phase shifted pulse component for establishing a grid signal containing said coded intelligence, means including a cathode ray tube controlled by the components of the complex wave for decoding and visually presenting the intelligence, last said means including a resonant filtered electrical signal path from the multivibrator means to a control grid of said tube for modulation of said trace according to said grid signal.

2,582,958
DETERGENT OIL COMPOSITION AND THE METHOD FOR ITS PREPARATION
Elmer W. Brennan and Norman D. Williams, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application October 16, 1948, Serial No. 55,008
18 Claims. (Cl. 260—399)

1. The method of preparing a composition suitable as a lubricant additive comprising preparing a salt of wool grease and a metal selected from the group consisting of zinc, barium, cal-

cium, strontium, magnesium, tin, lead, nickel, and cobalt, reacting the salt with a sulfide of phosphorus at a temperature between 200 and 300° F. for a period of time sufficient to sulfurize and phosphorize the salt, and neutralizing the sulfurized-phosphorized salt with a basic compound of a metal of the group consisting of zinc, barium, calcium, strontium, magnesium, tin, lead, nickel, and cobalt, the total amount of metal reacted to form the resulting product being substantially in excess of the amount required to saponify the wool grease.

2,582,959
ELECTRON-TUBE CONTROLLED SWITCHING SYSTEM
Edmond Bruce, Red Bank, and Nathan I. Hall, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1947, Serial No. 782,704
22 Claims. (Cl. 179—22)



1. In a communication system, a first group of terminals, a second group of terminals, multistage switching equipment between said two groups of terminals for selectively connecting any one of said first group of terminals with any one of said second group of terminals comprising means for applying a marking condition to one of the terminals of one of said groups of terminals, and means for extending an electrically conductive circuit for said marking condition from said one marked terminal through all idle paths of said multistage switching equipment from said marked terminal to terminals of said other group of terminals, and means constructed to perform a single selecting operation for completely selecting one of the marked paths for establishing a connection between said terminal of the first group and said terminal of the second group.

2,582,960
PRINTING PLATE FASTENING
John Burgess, Camden, N. J., assignor to The Curtis Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 2, 1945, Serial No. 619,850
11 Claims. (Cl. 101—378)

10. For a printing press having a plate cylinder with registration grooves formed therein, a printing plate curved to conform with the cylinder surface, and plate catches mounted in the registration grooves at the leading and trailing edges and also at the side edges of the plate, the leading and trailing edges of the plate and the catches at the leading and trailing edges having projecting tongues interengaging in a plane inclined upwardly away from the plate, thereby cooperating to maintain the plate under traction circumferentially of the cylinder during operation of the press, and the side edges of the

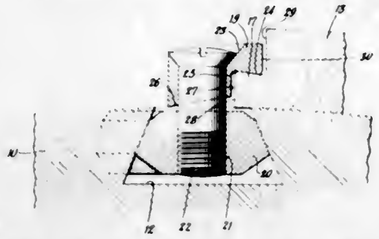


plate and the catches at each side edge having abutting surfaces bearing against each other with a force tending to clamp the plate under compression between the opposite side edge catches.

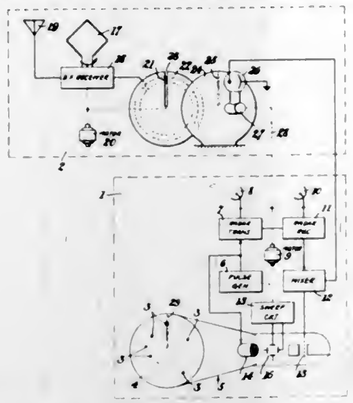
2,582,961
TREATMENT OF FLAMMABLE MATERIALS TO IMPART FLAME RESISTANCE THERETO, COMPOSITIONS THEREFOR, AND PRODUCTS THEREOF
Maurice Robert Burnell, Noroton Heights, and John Edward Lynn, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 17, 1949, Serial No. 116,414
15 Claims. (Cl. 117—136)

6. The method which comprises impregnating a textile material to be rendered flame-resistant with an aqueous composition containing the following initial ingredients in the specified proportions by weight: (1) from 2 to 20 parts of a heat-curable member of the class consisting of methylol melamines, methylated methylol melamines, methylol ureas, methylated methylol ureas, mixtures thereof, and water-soluble reaction products and phosphoric acid-soluble reaction products of the said methylol compounds and of mixtures of the said methylol compounds; (2) from 10 to 35 parts of a methylol dicyandiamide; and (3) an oxygen-containing acid of phosphorus in an amount which is equivalent, based on phosphorus content, to from 5 to 30 parts of 85% H_3PO_4; drying the impregnated textile followed by heating the dried textile at a temperature within the range of about 250° F. to about 400° F.; and removing any residual water-soluble substances from the resulting textile.

2,582,962
DIRECTION AND POSITION INDICATING SYSTEM
Gordon S. Burroughs, Forest Hills, N. Y., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 10, 1946, Serial No. 682,611
5 Claims. (Cl. 343—6)

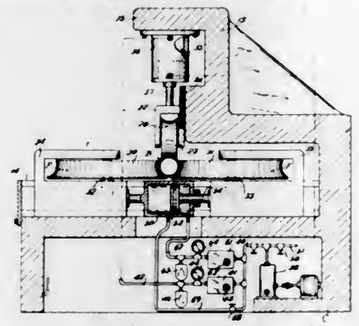
1. In a system for indicating the position of objects about a given location, a radar arrangement including means for radiating pulses and receiving reflected pulses from a given direction, means for varying said direction at a relatively slow rate of speed, a cathode ray tube, and means responsive to the reflected pulses for producing indications on the screen of said tube corresponding in position to the position of said objects about the given location; a direction finder comprising

means for receiving signals from a given direction, means for effectively varying at a relatively rapid rate the sensitivity of reception with direction, means responsive to the received signals for producing an effect characterizing the direc-



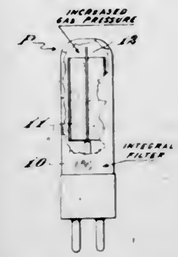
tion from which said signals are being received; means responsive to said effect for selecting the indication on said screen corresponding to the object from which signals are being received, and means for combining the said received radar and direction finding signals.

2,582,963
SEAM-WELDING APPARATUS
John F. Cachat, Cleveland, Ohio, assignor to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application May 7, 1949, Serial No. 91,918
6 Claims. (Cl. 219—6)



1. In combination, a seam-welding machine for continuously welding the opposed edges of a generally C-shaped metal strip including a high-frequency, induction-heating inductor for inducing high-frequency currents to flow in the edges and raise them to the welding temperature and a plurality of members adjacent the exit side of the inductor for pressing the heated edges into welding engagement, said members being adjustably supported in a direction generally transverse to the line of movement of said strip, the improvement which comprises a piston and cylinder arrangement for moving said members into pressure engagement with said strip and a source of hydraulic pressure supplied to said piston-cylinder arrangement, said hydraulic system having a characteristic of $PV^n=K$ where P equals the unit pressure, V equals the unit volume and K equals a constant and n approaches zero, whereby said members may move to correspond to variations in said strip while all the time exerting a substantially uniform pressure against said strip.

2,582,964
PHOTOELECTRIC SOUND REPRODUCTION
Lauriston E. Clark, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application March 8, 1949, Serial No. 80,153
5 Claims. (Cl. 313—101)

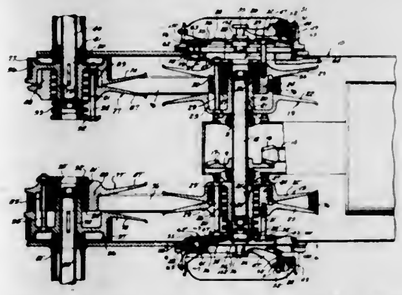


1. A phototube for use in sound reproduction from a colored track which absorbs a selected intermediate range of the visible spectrum, comprising a cathode sensitive to said range and to two adjacent ranges, and an envelope for said cathode colored to absorb said adjacent ranges.

2,582,965
METHOD FOR MODIFYING WHEAT GLUTEN
John Robert Coffman, St. Paul, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application September 9, 1949, Serial No. 114,923
7 Claims. (Cl. 260—112)

1. Process of modifying wheat gluten which comprises reacting wheat gluten in an aqueous medium with an alkaline earth metal oxide, the alkaline earth metal oxide being employed in a quantity of from 2–5% based on the dry weight of the gluten, heating the reaction mixture to a temperature within the approximate range of 145–155° C. for a period within the approximate range of 15–60 minutes.

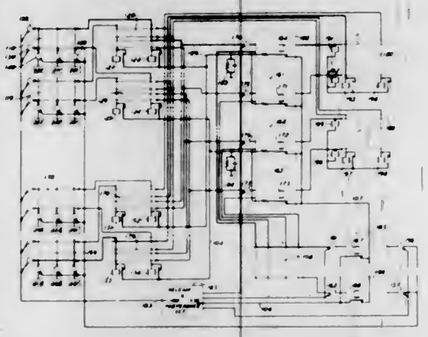
2,582,966
TRACTOR HAVING V-BELT PULLEY CONTROL
George W. Curtis, Wauwatosa, Wis.
Application September 23, 1947, Serial No. 775,705
11 Claims. (Cl. 192—4)



1. In a vehicle having an engine, having a propelling member mounted on a first transverse shaft, having a brake for said propelling member and having a second transverse shaft driven by said engine; a variable width V-belt

cium, strontium, magnesium, tin, lead, nickel, and cobalt, reacting the salt with a sulfide of phosphorus at a temperature between 200 and 300° F. for a period of time sufficient to sulfurize and phosphorize the salt, and neutralizing the sulfurized-phosphorized salt with a basic compound of a metal of the group consisting of zinc, barium, calcium, strontium, magnesium, tin, lead, nickel, and cobalt, the total amount of metal reacted to form the resulting product being substantially in excess of the amount required to saponify the wool grease.

2,582,959
ELECTRON-TUBE CONTROLLED SWITCHING SYSTEM
Edmond Bruce, Red Bank, and Nathan I. Hall, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1947, Serial No. 782,704
22 Claims. (Cl. 179—22)



1. In a communication system, a first group of terminals, a second group of terminals, multistage switching equipment between said two groups of terminals for selectively connecting any one of said first group of terminals with any one of said second group of terminals comprising means for applying a marking condition to one of the terminals of one of said groups of terminals, and means for extending an electrically conductive circuit for said marking condition from said one marked terminal through all idle paths of said multistage switching equipment from said marked terminal to terminals of said other group of terminals, and means constructed to perform a single selecting operation for completely selecting one of the marked paths for establishing a connection between said terminal of the first group and said terminal of the second group.

2,582,960
PRINTING PLATE FASTENING
John Burgess, Camden, N. J., assignor to The Curtis Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 2, 1945, Serial No. 619,850
11 Claims. (Cl. 101—378)

10. For a printing press having a plate cylinder with registration grooves formed therein, a printing plate curved to conform with the cylinder surface, and plate catches mounted in the registration grooves at the leading and trailing edges and also at the side edges of the plate, the leading and trailing edges of the plate and the catches at the leading and trailing edges having projecting tongues interengaging in a plane inclined upwardly away from the plate, thereby cooperating to maintain the plate under traction circumferentially of the cylinder during operation of the press, and the side edges of the

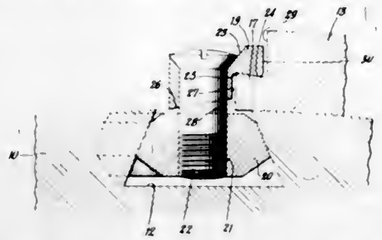


plate and the catches at each side edge having abutting surfaces bearing against each other with a force tending to clamp the plate under compression between the opposite side edge catches.

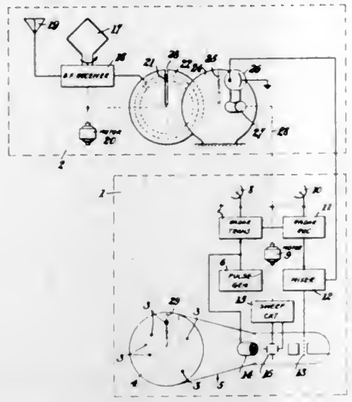
2,582,961
TREATMENT OF FLAMMABLE MATERIALS TO IMPART FLAME RESISTANCE THERETO, COMPOSITIONS THEREFOR, AND PRODUCTS THEREOF
Maurice Robert Burnell, Noroton Heights, and John Edward Lynn, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 17, 1949, Serial No. 116,414
15 Claims. (Cl. 117—136)

6. The method which comprises impregnating a textile material to be rendered flame-resistant with an aqueous composition containing the following initial ingredients in the specified proportions by weight: (1) from 2 to 20 parts of a heat-curable member of the class consisting of methylol melamines, methylated methylol melamines, methylol ureas, methylated methylol ureas, mixtures thereof, and water-soluble reaction products and phosphoric acid-soluble reaction products of the said methylol compounds and of mixtures of the said methylol compounds; (2) from 10 to 35 parts of a methylol dicyandiamide; and (3) an oxygen-containing acid of phosphorus in an amount which is equivalent, based on phosphorus content, to from 5 to 30 parts of 85% H_3PO_4; drying the impregnated textile followed by heating the dried textile at a temperature within the range of about 250° F. to about 400° F.; and removing any residual water-soluble substances from the resulting textile.

2,582,962
DIRECTION AND POSITION INDICATING SYSTEM
Gordon S. Burroughs, Forest Hills, N. Y., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 10, 1946, Serial No. 682,611
5 Claims. (Cl. 343—6)

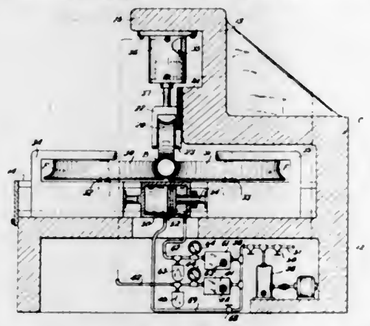
1. In a system for indicating the position of objects about a given location, a radar arrangement including means for radiating pulses and receiving reflected pulses from a given direction, means for varying said direction at a relatively slow rate of speed, a cathode ray tube, and means responsive to the reflected pulses for producing indications on the screen of said tube corresponding in position to the position of said objects about the given location; a direction finder comprising

means for receiving signals from a given direction, means for effectively varying at a relatively rapid rate the sensitivity of reception with direction, means responsive to the received signals for producing an effect characterizing the direc-



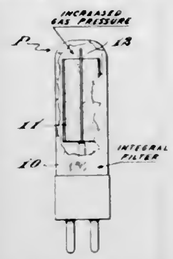
tion from which said signals are being received; means responsive to said effect for selecting the indication on said screen corresponding to the object from which signals are being received, and means for combining the said received radar and direction finding signals.

2,582,963
SEAM-WELDING APPARATUS
John F. Cachat, Cleveland, Ohio, assignor to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application May 7, 1949, Serial No. 91,918
6 Claims. (Cl. 219—6)



1. In combination, a seam-welding machine for continuously welding the opposed edges of a generally C-shaped metal strip including a high-frequency, induction-heating inductor for inducing high-frequency currents to flow in the edges and raise them to the welding temperature and a plurality of members adjacent the exit side of the inductor for pressing the heated edges into welding engagement, said members being adjustably supported in a direction generally transverse to the line of movement of said strip, the improvement which comprises a piston and cylinder arrangement for moving said members into pressure engagement with said strip and a source of hydraulic pressure supplied to said piston-cylinder arrangement, said hydraulic system having a characteristic of $PV^n=K$ where P equals the unit pressure, V equals the unit volume and K equals a constant and n approaches zero, whereby said members may move to correspond to variations in said strip while all the time exerting a substantially uniform pressure against said strip.

2,582,964
PHOTOELECTRIC SOUND REPRODUCTION
Lauriston E. Clark, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application March 8, 1949, Serial No. 80,153
5 Claims. (Cl. 313—101)

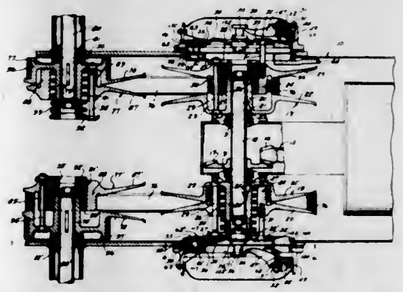


1. A phototube for use in sound reproduction from a colored track which absorbs a selected intermediate range of the visible spectrum, comprising a cathode sensitive to said range and to two adjacent ranges, and an envelope for said cathode colored to absorb said adjacent ranges.

2,582,965
METHOD FOR MODIFYING WHEAT GLUTEN
John Robert Coffman, St. Paul, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application September 9, 1949, Serial No. 114,923
7 Claims. (Cl. 260—112)

1. Process of modifying wheat gluten which comprises reacting wheat gluten in an aqueous medium with an alkaline earth metal oxide, the alkaline earth metal oxide being employed in a quantity of from 2–5% based on the dry weight of the gluten, heating the reaction mixture to a temperature within the approximate range of 145–155° C. for a period within the approximate range of 15–60 minutes.

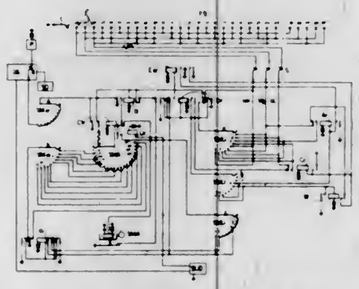
2,582,966
TRACTOR HAVING V-BELT PULLEY CONTROL
George W. Curtis, Wauwatosa, Wis.
Application September 23, 1947, Serial No. 775,705
11 Claims. (Cl. 192—4)



1. In a vehicle having an engine, having a propelling member mounted on a first transverse shaft, having a brake for said propelling member and having a second transverse shaft driven by said engine; a variable width V-belt

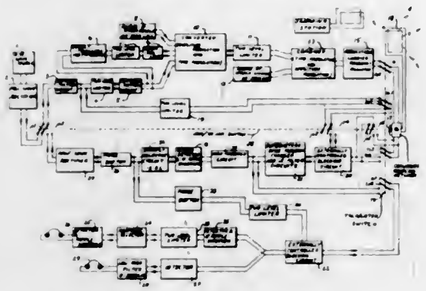
pulley on said first shaft; a variable width V-belt pulley on said second shaft; an endless V-belt connecting said pulleys, said pulleys and belt constituting a variable speed transmission for driving said propelling member; cam mechanism for adjusting the width of the pulley on said second shaft, said mechanism including a slidably and non-rotatably supported control member and including a rotatably supported control member, and including means between said control members responsive to rotative movement of the rotatable control member in either direction from its normal position to cause axial movement of the non-rotatable member and widening of the pulley on said second shaft; a pivotally mounted hand lever normally in neutral position; means connected to said hand lever and to said brake for causing said brake to be set upon predetermined movement of said lever in either direction from its neutral position; and a link connected between said lever and said rotatable control member, whereby the speed of the propelling member can be selectively varied or said member stopped by selectively moving said lever in either direction from its normal position.

2,582,967
MARKER-CONTROLLED FINAL SELECTOR CIRCUIT
Egide Jacob Hendrik De Raedt, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 1, 1947, Serial No. 758,451
In the Netherlands January 30, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 30, 1966
5 Claims. (Cl. 179—18)



1. In an automatic telephone system, a final selector control system comprising a final selector switch including a bank of successively numbered terminals, a brush engaging the terminals in succession and a driving means for said brush, a control unit, means for connecting said control unit to said driving means, a first marker circuit connecting a series of said terminals at equal intervals including the "tens" terminals and dividing all said terminals into groups each beginning with a terminal of said series, additional marker circuits each connecting corresponding terminals in all groups, means for connecting said marker circuits to said control unit, means in said control unit for storing the "tens" digit transmitted from the calling line, means in said control unit and responsive to the initiation of the train of pulses representing the "tens" digit for energizing said driving means for said brush, a stepping switch in said control unit, driving means for said stepping switch connected to said first marker circuit for stepping said switch under control of said final selector switch, means under control of said "tens" digit storing means for disconnecting said stepping switch driving means so as to stop said stepping switch in a position determined by said storing means, means controlled by the setting of said stepping switch and said selector switch for arresting said energizing means for said brush driving means when said brush reaches the terminal corresponding to the "tens" digit of the called number, means in said control unit for storing the "units" digit transmitted from said calling line, means initiated by the operation of said "units" digit storing means for shifting the control of said energizing means to said "units" digit storing means, and means controlled by the setting of said "units" digit storing means for connecting said disconnecting means for said energizing means to a particular one of said marker circuits whereby said brush may be arrested on the terminal corresponding to the "units" digit of the called number.

2,582,968
ELECTRICAL PULSE SECRECY COMMUNICATION SYSTEM
Edmond M. Deloraine, Paris, France, and Emile Labin, New York, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Continuation of application Serial No. 425,108, December 31, 1941. This application October 10, 1945, Serial No. 621,584
41 Claims. (Cl. 250—6)



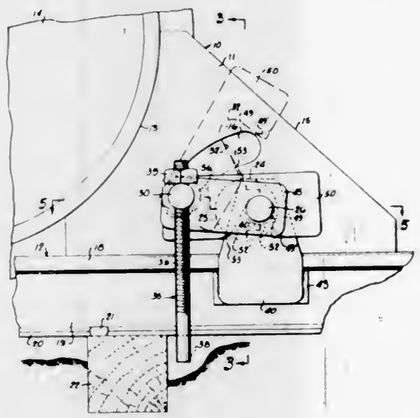
4. In a secrecy transmission system, means for producing impulses, a first source of signals, means for modulating at least some of said impulses in accordance with one system of modulation by the signals from said first source, a second source of signals, means for modulating at least some of said impulses in accordance with a different system of modulation by the signals from said second source, means for combining the outputs of both said means for modulating, and means for transmitting the combined modulated impulses.

2,582,969
GLASS CONDENSER
Howard L. Dinsmore, St. Paul, Minn.
Application March 25, 1948, Serial No. 16,896
2 Claims. (Cl. 257—28)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A glass condenser comprising an integral series of oblate spheroidal bulbs the first of which is of larger major axis than the others, said bulbs intercommunicating along the line of their respective minor axes for flow of a coolant therethrough, a coolant conduit communicating with the interior of said larger major axis bulb and a coolant conduit extending through said larger major axis bulb and communicating with the interior of the last bulb of said series.

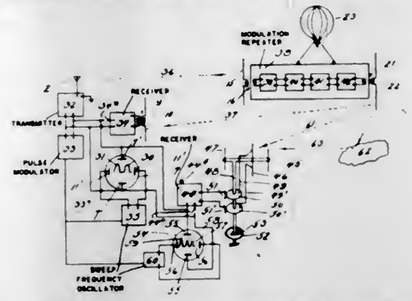


2,582,970
SCOTCH BLOCK
John C. Dockery and Nicholas W. Dockery, Rockingham, N. C.
Application May 11, 1949, Serial No. 92,680
10 Claims. (Cl. 104—258)



1. In a wheel stop of the type adapted to be mounted upon a rail having a head flange and to slide a small amount thereon upon car wheel impact, bracket means slidably mounted in one portion of said stop and extending therebeneath in frictional contact with said rail, a cam rotatably mounted in another portion of said stop and spaced from said bracket means, depending clamping means associated with said cam and supported thereby for clampingly engaging said rail, rocker arms connecting said bracket and said cam, whereby impact of a car wheel against said stop will move said bracket to actuate said cam through said arms thereby causing movement of said clamping means against said rail.

2,582,971
PULSE ECHO DISTANCE AND DIRECTION FINDING
Francis W. Dunmore, Washington, D. C., assignor to the United States of America as represented by the Secretary of Commerce
Application November 10, 1939, Serial No. 303,798
13 Claims. (Cl. 343—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

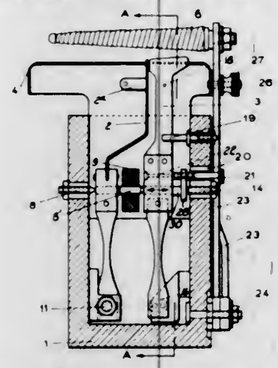


10. In a radio system of distance finding, a station of origin comprising a radio transmitter, means for pulse modulating said transmitter, and an oscillograph means having a first set of deflecting elements excited by said pulse modulating means; a repeater station comprising means for receiving the pulse modulated carrier wave from said transmitter, means for detecting and amplifying the pulse modulation, a second radio transmitter operating on a different carrier frequency from that of said first transmitter and responsive to, and caused to function during the interval of each pulse of, said pulse modulation; said station of origin comprising a receiving means tuned to the carrier frequency of said second transmitter, having detecting and amplifying means for said pulse modulation and having its output connected to said first set of deflecting means of said oscillograph, a sweep frequency oscillator and a second set of deflecting means in said oscillograph excited by said sweep frequency oscillator, whereby two figures are formed in the trace of said oscillograph from which the radial distance to the said repeater station may be determined, a second sweep-frequency oscillator and a second sweep frequency oscillograph, said second oscillograph having a first set of deflecting elements connected in parallel with the first set of deflecting elements of said first oscillograph, and having a second set of deflecting elements excited by said second sweep frequency oscillator, whereby the sweep frequency rate of each oscillograph may be adjusted while continuing observations with the other.

2,582,972
ELECTRIC SWITCH FOR USE WITH CONTINUOUS WEB
Julien Dungler, Basel, Switzerland
Application April 26, 1947, Serial No. 744,268
In France September 10, 1946
7 Claims. (Cl. 200—52)

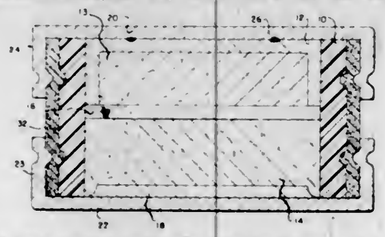
4. Control mechanism responsive to lateral deviations of a side edge of web material presented in full width to finishing and like machines; comprising two feeler elements having upper and lower parts, respectively, and arranged in spaced relation to each other, respective supporting means permitting independent pivotal movement of said feelers, respectively, the upper part of one of said feeler elements normally engaging said side edge of said web material, the upper part of

the other feeler element being engageable with said side edge of said web material when the same deviates laterally in one direction beyond a predetermined width, respective spring means connected to said upper feeler parts, screw-threaded means connected to one of said feeler elements for displacing the same relatively to its respective supporting means and for regulating the distance between both said feeler elements according to said predetermined width of said web material, the lower parts of said feelers carrying respective electric contact tips, and oppositely



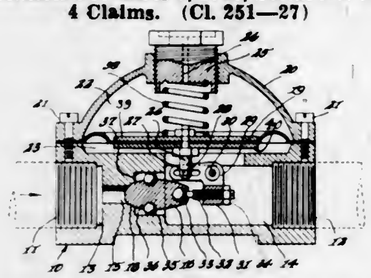
arranged stationary contact pieces disposed for cooperation with said contact tips of said lower feeler parts, respectively, whereby lateral deviation of said side edge of said web material causes either disengagement of the latter from one of said upper feeler parts and release of a respective spring means to pivotally move said one feeler with its contact tip into engagement with the respective stationary contact piece or into engagement with both said upper feeler parts and closing of an electric circuit through the respective contact tip of said other feeler and its corresponding stationary contact piece.

2,582,973
SEALING MEANS FOR PRIMARY ALKALINE DRY CELLS
Grenville B. Ellis, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army
Application December 4, 1950, Serial No. 199,117
1 Claim. (Cl. 136—133)
(Granted under the act of March 3, 1883, as amended April 30, 1928: 370 O. G. 757)



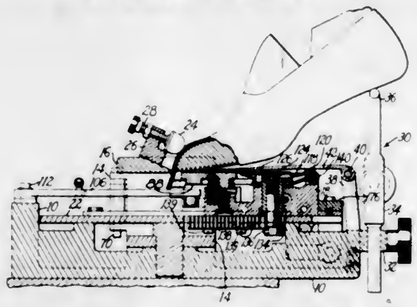
In a leak proof primary alkaline dry cell having as internal elements a positive electrode, a negative electrode and an ionically conductive barrier between said electrodes, said positive electrode comprising a first metal cup completely filled with anodic material, said negative electrode comprising a second metal cup completely filled with cathodic material, an open ended plastic dielectric container, said internal elements being compressably maintained therein, a first metal cap, a second metal cap, said first metal cap completely covering one end of said housing, said second metal cap completely covering the other end of said housing, the base portion of said first cap being welded to the base portion of said first cup, the base portion of said second cap being welded to the base portion of said second cup, the side walls of said first and second metal caps being crimped or pinched against the outer wall of said container whereby said internal elements are hermetically sealed within said container.

2,582,974
VALVE FOR FLUID PRESSURE REGULATORS
Victor Ey, Woodside, N. Y.
Application December 9, 1946, Serial No. 715,030
4 Claims. (Cl. 251—27)



4. In a valve, a casing having an inlet orifice providing a seat, a passageway extending inwardly of said seat in axial alignment with the orifice, a valve element located in said passageway and having circumferentially spaced sockets in the periphery of said valve element substantially medially of the ends thereof, and rollable bearings mounted in said sockets and engaging the periphery of said passageway for guided reciprocatory movement of the valve element toward and away from said seat and for universal rocking movement of said valve element about an axis extending longitudinally through the center thereof for centering the end of said valve element on said seat.

2,582,975
SHOE TOE LINING TRIMMING MACHINE
John M. Ewart and Lester S. Macdonald, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 20, 1950, Serial No. 169,188
9 Claims. (Cl. 12—83.5)

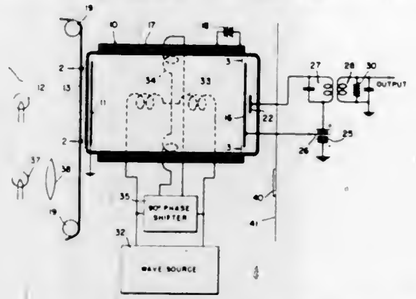


1. A machine for trimming surplus lining from the unlasted toe of a partiall fabricated shoe in bottom-down position, comprising a shearing bed, said bed including movable wipers cooperative to receive the perimeter of the toe, a carriage movable toward and from the bed, a circular knife mounted on the carriage for rotation in a plane substantially parallel with that of the shearing bed, lining spreading members yieldably mounted on the carriage to engage the unlasted margin ahead of the knife, and means for moving the carriage, said means being effective to rotate the knife and operate said wipers and spreading members.

2,582,976
PREPARATION OF A STABILIZED DEHYDRATED MONTMORILLONITE CATALYST
Eric William Musther Fawcett and John Norman Haresnape, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation
No Drawing. Application January 2, 1948, Serial No. 356. In Great Britain January 10, 1947
2 Claims. (Cl. 252—449)

1. A method of preparing a catalyst for use in the dehydrogenation and cracking of hydrocarbons which comprises heating, in the absence of added H_2S, a mineral having a crystal lattice of the type of montmorillonite to remove substantially completely as water the combined hydroxyl groups from at least part of said mineral and subjecting the dehydrated montmorillonite to treatment with hydrogen sulfide to stabilize it against rehydration.

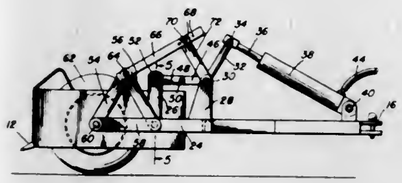
2,582,977
FREQUENCY CONVERTING DEVICE
Joseph C. Ferguson, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application January 4, 1947, Serial No. 720,265
14 Claims. (Cl. 250—36)



1. A frequency multiplying system comprising means for simultaneously producing a plurality of separate electron beams including a plurality of identical and discrete electron sources and means for forming the electrons from each source into a separate beam, means for cyclically deflecting said beams through predetermined paths of deflection, and means in said paths of deflection for collecting the electrons from said beams in succession to obtain an output signal at a frequency determined by the number of said beams multiplied by the rate of deflection thereof.

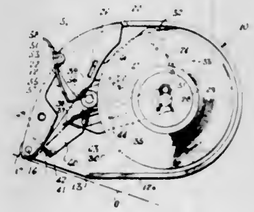
2,582,978
HYDRAULICALLY ACTUATED CARRY-TYPE EARTH SCRAPER
Myron Flinn, Las Animas, Colo.
Application September 19, 1947, Serial No. 775,031
1 Claim. (Cl. 37—129)

In a scraper, a frame having laterally spaced rear portions, a pair of triangular frames each having a forward apex, an upper apex and a rear apex, a scoop disposed between said rear portions and having its sides pivoted to the rear portions, said triangular frames being pivoted at their forward apices to the rear portions, said scoop and the forward apices of said triangular frames being pivoted to the rear portions by common pivot pins, a transverse crank shaft journalled on said frame, a linkage connecting said crank shaft to the scoop and further linkages connecting the crank shaft to the upper apices of the triangular frames for oscillation of said scoop and said triangular frames upon rotation of said shaft, a



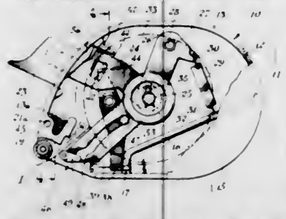
wheel journalled to the rear apex of each triangular frame, and means carried on said frame and connected to said crankshaft for rotation of said shaft, said frame having upstanding supports on which the crank shaft is journalled, said crank shaft having circumferentially spaced first, second and third arms thereon, said linkage including an upstanding extension on said scoop, a link having its terminals pivoted to said first arm and said extension, said further linkages comprising connecting rods each connecting a second arm to an upper apex, said means for rotating said crank shaft forming a connection between said third arm and said frame.

2,582,979
DEVICE FOR USING TAPE
George H. Fritzinger, West Orange, N. J., assignor of one-half to Harold G. Kendall, Brooklyn, N. Y.
Application July 24, 1948, Serial No. 40,548
18 Claims. (Cl. 216—29)



1. In a device for dispensing lengths of pressure-sensitive tape, including a frame: the combination of a movably mounted support on said frame for a supply roll of said tape; a tape guide having a normal position wherein the same holds a leading end portion of the tape at a dispensing station, means connecting said guide to said support to maintain it at a fixed distance from the axis of said supply roll; means for severing the tape at said station; and manually actuatable means for retracting said guide and support from said station and for causing said tape to be cut ahead of said guide by said severing means while the guide is in a retracted position.

2,582,980
TAPE DISPENSER AND APPLICATOR
George H. Fritzinger, West Orange, N. J., assignor of one-half to Harold G. Kendall, Brooklyn, N. Y.
Application February 10, 1950, Serial No. 143,526
10 Claims. (Cl. 216—29)



1. In a dispenser for pressure-sensitive tape: the combination of a support for a supply roll of said tape, a movably-mounted guide roller engaging the adhesive side of the tape at a distance from the free end thereof for holding a projecting starting length of the tape at a dispensing station solely by adhesive contact, and means effective upon the tape being held stationary at said station for backfeeding said roller against and along the adhesive side of the tape in a direction to increase the length of the tape between said supply roll and said dispensing station.

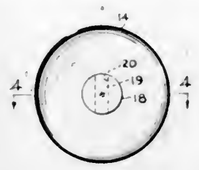
2,582,981
METHOD AND APPARATUS FOR THE EMPLOYMENT OF RADIATION FROM RADIOACTIVE MATERIAL IN GAUGING
Frederic Albert Fua, New York, N. Y.
Application June 16, 1949, Serial No. 99,406
7 Claims. (Cl. 250—83.6)



1. The method of inspecting material by radioactive radiation which comprises directing a beam of composite radioactive radiation components including at least one component of charged particles in predetermined direction, deflecting a desired charged particle component of that beam intermittently to pass through the material under examination, and measuring the strength of the deflected component so passing through.

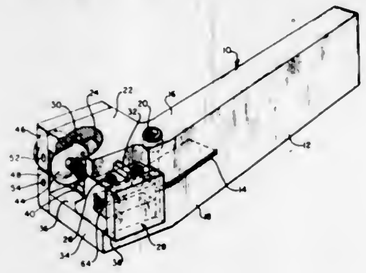
2,582,982
PRESSURE PACKAGED TENNIS BALL
John R. Gammeter, Akron, Ohio, assignor to Pennsylvania Rubber Company, Jeannette, Pa., a corporation of Pennsylvania
Application November 5, 1946, Serial No. 707,962
1 Claim. (Cl. 206—46)

A packaged product of the character described, comprising a tennis ball including an inner elastic casing inflated by superatmospheric pressure to normal playing size and an outer cover of felt, and a pressure-restraining jacket substantially firmly embracing said ball, interstitial spaces of said cover between said casing and said jacket containing pressure-fluid at superatmospheric pressure approximating said inflation pressure of the casing, said jacket having a pressure-fluid receiving aperture therein and a check valve in



association with the aperture to seal the same against escape of pressure-fluid, said valve including a piece of thin flexible material having portions thereof at opposite sides of said aperture adhered to the inner surface of said jacket, the area between said adhered portions of said valve piece providing a passage for pressure-fluid from the exterior to the interior of the jacket through said aperture.

2,582,983
PRECISION TOOLHOLDER
John F. Golden, Lynn, Mass.
Application October 6, 1947, Serial No. 778,152
7 Claims. (Cl. 29—96)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A tool holder comprising a tool holding element formed with two flat, substantially parallel faces on opposite sides thereof, a bifurcated shank, each bifurcation of said shank being formed with a substantially flat face disposed in slidable contact with one of said faces on said tool holding element, each face of said tool holding element being formed with guide means thereon extending into engagement with a guide means formed on the corresponding face on said shank, said guide means limiting the movement of said tool holding element to a direction substantially at right angles to said shank, said tool holding element being formed with a tool receiving recess therein extending at right angles to said guide means and parallel to said faces on said tool holding element, screw means for moving said tool holding element relative to said shank, means indicating the relative position of said tool holding element and said shank, and means for varying the spacing between said faces on said shank whereby said tool holding element may be clamped therebetween.

2,582,984
LAMINATED ASSEMBLY
Frank Gray, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 19, 1947, Serial No. 755,591
In Great Britain May 17, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 17, 1966
1 Claim. (Cl. 175—298)



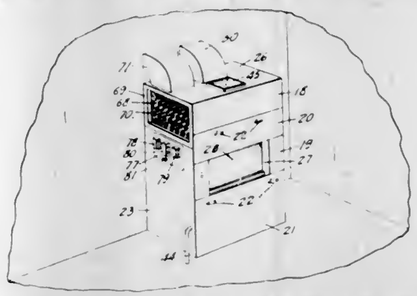
A contact bank comprising a series of rows of contact elements, having a plurality of contact elements in each row, a pair of strips of insulating material, one on each side of each row, a plurality of metallic spacing elements each corrugated throughout its length, one spacing member inserted between each pair of rows of contacts with one of the strips of insulating material on each side thereof, and means for clamping the elements together into a unit of a desired dimension by flattening the corrugations of each spacing element as the clamping means is tightened.

2,582,985
EPOXIDE RESINS
Sylvan Owen Greenlee, Racine, Wis., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky., a corporation of New York
No Drawing. Application October 7, 1950, Serial No. 189,062
4 Claims. (Cl. 260—47)

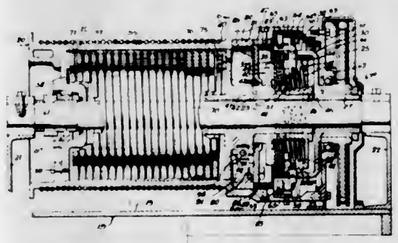
1. The method of making an epoxide resin which comprises initially admixing approximately 2 molecular proportions of epichlorhydrin and 1 molecular proportion of p,p'-dihydroxydiphenyldimethyl methane and heating such mixture with the addition of an amount of dilute caustic alkali sufficient to combine with the chlorine of the epichlorhydrin, and continuing said heating for a sufficient time to effect substantially complete reaction of the p,p'-dihydroxydiphenyldimethyl methane to produce a resinous product having a softening point of about 43° C.

2,582,986
STORAGE VAULT CONDITIONING UNIT
Walter G. Haertel, David H. Oliver, and Verner H. Smallbeck, Minneapolis, Minn., assignors to Walter Haertel Company, Minneapolis, Minn., a corporation of Minnesota
Application June 10, 1949, Serial No. 98,284
5 Claims. (Cl. 62—6)

1. A refrigeration, dehumidification, and fumigation unit for such rooms as fur storage vaults comprising a casing having a plenum chamber provided with a receiving inlet adapted to receive from the room and a discharge outlet adapted to discharge into the room, a motor operated blower receiving from said plenum chamber and discharging through said outlet, a refrigeration unit having an expansion coil located in said plenum chamber in the path of the air from said inlet to said outlet, a humidifier within which a liquid fumigant may be placed located within said plenum chamber, louvers controlling the flow of air through said expansion coil and located within said plenum chamber in such relation relative to said humidifier that when the louvers are partially closed the air passing from said inlet to said outlet will be deflected around said humidifier, a thermostatic switch reflecting the temperature in said room and closing when the temperature in the room rises above a particular setting and opening when the temperature lowers below a lower particular setting, a humidostat reflecting the humidity of air within the room and closing when the humidity in the room rises above a particular setting and opening when the humidity in the room lowers beyond a lower particular setting, a louver operating motor, a linkage between said louver operating motor and said louvers for partially closing said louvers when said louver operating motor is energized, means normally urging said louvers to open to full open position when the louver operating motor is not energized, means for controlling the operation of said refrigeration unit, a main refrigeration switch, a first blower motor circuit adapted to be established to said blower motor when said main refrigeration switch is closed as said thermostat closes, a second blower motor circuit adapted to be established when said refrigeration switch is closed upon the closing of said humidostat, a louver operating motor circuit adapted to be established to energize said louver operating motor when said main refrigeration switch is closed and as said humidostat closes, a fumigation switch, a third blower motor circuit adapted to be established to said blower motor when said main refrigeration switch is open and said fumigation switch is closed, and a second louver motor circuit adapted to be established to energize said louver motor when said refrigeration switch is open and said fumigation switch is closed.



2,582,987
POWER WINCH OR HOIST
Loy D. Hagenbook, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 26, 1950, Serial No. 140,673
5 Claims. (Cl. 254—172)



1. In a winch, a winding drum, a driving means for said drum including a coaxial drive member

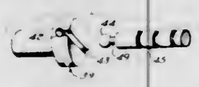
and a drive spring normally permitting yieldable relative rotation of said drum and drive member, a spring loading member rotatably mounted on said drum and having stop means cooperating with stop means carried by the drum, permitting limited angular movement of said spring loading member and said drum, said spring loading member having circumferentially adjustable means thereon connected to said drive member for preloading said spring when said stop means are in engaged position in one direction, but permitting relative yielding rotation of said drum relative to said drive member in the opposite direction when the load on said drum exceeds the preloaded value imposed on said spring.

2,582,988
PARING KNIFE ATTACHMENT
Charles H. Harvey, Jacksonville, Fla.
Application December 13, 1948, Serial No. 65,029
7 Claims. (Cl. 30—123)



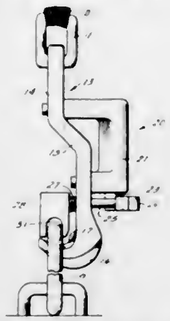
1. As an article of manufacture an attachment for a knife having a handle and a blade, said attachment comprising an absorbent shield having substantial length and width, means secured to said shield and extending around the end thereof for supporting said shield lengthwise of and free from said blade, and a split band adapted to be disposed about the handle, said means being pivotally secured to said band, whereby said shield may be adjusted from an operative position lengthwise of said blade to an inoperative position rearwardly of said blade.

2,582,989
GAS PISTON FOR FIREARMS
Earle M. Harvey, Springfield, Mass.
Application May 6, 1948, Serial No. 25,442
2 Claims. (Cl. 89—191)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a firearm having a barrel, a gas cylinder secured thereto, and gas passage means communicating the interior of the gas cylinder with the barrel, a breech actuating mechanism comprising in combination, a reciprocable breech operating member disposed rearwardly of the gas cylinder, a cylindrical piston having an enlarged head portion slidably disposed within the gas cylinder and responsive to the flow of gases from the barrel, said piston having an integral shank portion projecting rearwardly through the gas cylinder in bearing relationship and arranged to impart momentum to said breech operating member as said piston head portion is driven rearwardly, a plug threadably secured in the front end of the gas cylinder, said plug having a hole centrally therethrough and being selected from a group wherein the hole of each plug is of a different diameter, a cylindrical stem member slidably disposed in said hole in said plug and of such diameter as to be in bearing relationship therewith, and interconnecting means on the rear end of said stem member and in said piston head for replaceably securing said stem member in abutment with the front face of said piston head whereby the area thereof responsive to the flow of gases is decreased by the cross-sectional area of said stem member thereby permitting a desired increase or decrease in the area of said piston head portion responsive to the pressure of the flowing gases in order to obtain a predetermined rate of actuation of said breech operating member.

2,582,990
AUTOMATIC PARACHUTE GROUND RELEASE
Mark Hattan, Los Angeles County, Calif.
Application September 11, 1947, Serial No. 773,411
10 Claims. (Cl. 294—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



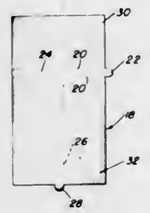
1. In an automatic parachute release device, a hook having a shank, a dashpot attached to the rear of said shank, time delay means comprising a free piston in said dashpot, means for retaining a load-supporting link in the bight of said hook while the piston remains in the dashpot under a loadless condition, said retaining means comprising a yoke adapted to contact said piston substantially while the latter remains in the dashpot, rods extending transversely through said shank over said bight, an ejector member adapted to fit over a load carrying link and a coil spring concentric with said rods between said ejector and said shank, the length of said rods and the strength of said spring being so chosen that the spring can be compressed sufficiently when a normal load is attached to the load-carrying link to free the piston from contact with the yoke due to the movement of the ejector as it follows the link into the lowest portion of the bight by reason of load stress exerted on the load-carrying link and strong enough to eject said link from the bight substantially as soon as a no-load condition occurs by reason of the load making contact with the ground.

2,582,991
METHOD OF FORMING A SPRAYABLE SYNTHETIC RUBBER SOLUTION
Charles Henry Hempel, Manitowoc, Wis., assignor to Heresite & Chemical Company, a corporation of Wisconsin
No Drawing. Application December 11, 1948, Serial No. 64,908
2 Claims. (Cl. 260—33.6)

1. In a method of forming a sprayable synthetic rubber solution which includes copolymerizing under heat and pressure 50 to 90 parts by weight of butadiene with 10 to 50 parts by weight of a material copolymerizable therewith

of the class consisting of styrene and acrylonitrile in the presence of from 10 to 20 parts by weight of a modifier chosen from the class consisting of benzol and cyclohexane, and coagulating the copolymerizate, the steps which comprise mixing with 100 to 150 parts by weight of the coagulated copolymerizate, 50 to 200 parts by weight of a finely divided inert pigment, 2 to 25 parts by weight of a plasticizer, 5 to 40 parts by weight of sulfur, 1 to 5 parts by weight of an activator, and 2 to 10 parts by weight of an accelerator, and then dissolving the mixture in 200 to 500 parts by weight of an aromatic hydrocarbon solvent therefor having a boiling point of between 80° C. and 200° C. and chosen from the class consisting of benzene and aliphatic substituted benzene with each of the substituents having from 1 to 4 carbon atoms.

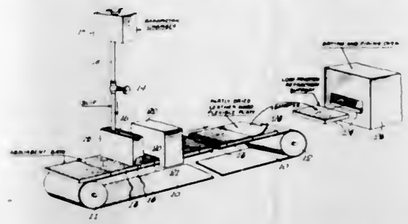
2,582,992
SANITARY HAIRBRUSH OR DUSTER
Frank C. Hergert, Buffalo, N. Y.
Application August 11, 1947, Serial No. 767,873
1 Claim. (Cl. 15—194)



A sanitary duster comprising a plurality of strips of sheet material forming bristles and having inner end portions, a wrapper embracing said bristles and including an inner end portion disposed about the inner end portions of said bristles, a circumferentially disposed weakened area provided in said wrapper adjacent the inner end portion of said wrapper, a further weakened area provided in said wrapper and intersecting the first named weakened area, a first rip cord secured to the inner surface of said wrapper and against the first mentioned weakened area, said first rip cord having an end projecting from the wrapper for removing the first mentioned weakened area provided in said wrapper, and a further rip cord secured to the inner surface of said wrapper and against said further weakened area, said further cord having an end extending from said wrapper.

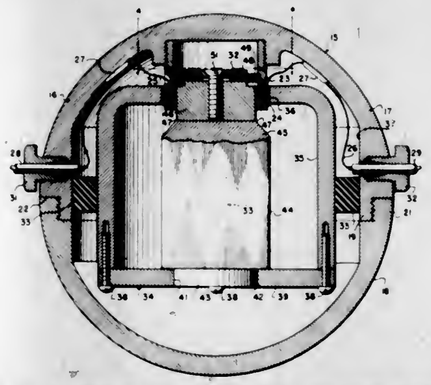
2,582,993
METHOD OF PRODUCING HIGH DIELECTRIC HIGH INSULATION CERAMIC PLATES
Glenn N. Howatt, Metuchen, N. J.
Application October 29, 1948, Serial No. 57,285
11 Claims. (Cl. 25—156)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a method of forming high dielectric flat ceramic bodies of uniform electrical qualities throughout, the steps of forming a highly fluid slip by combining a ceramic frit material and a solute binder with a liquid vehicle which includes a solvent of the binder capable of forming therewith and with the ceramic when partly dried a leather-hard body sheet capable of flexure and suspension by one edge without permanent strain, establishing upon a flat horizontal vehicle-absorbent support a highly liquid pool of said slip otherwise unconfined whereby said slip distributes itself by action of gravity to a uniform depth and is retained within the boundaries predetermined for said sheet by surface tension of the liquid, removing a sufficient quantity of said liquid vehicle from said slip principally by rapid absorption downwardly in said vehicle-absorbent support at a rate of translation of the vehicle



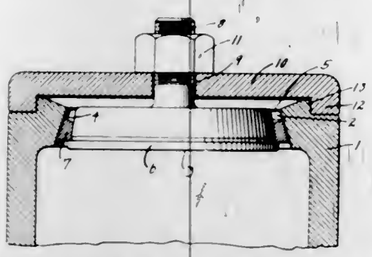
downwardly into the vehicle-absorbent support greatly exceeding the settling rate of the suspension so that the material forming said pool becomes leather-hard, separating said leather-hard material from said vehicle-absorbent support, drying said leather-hard material, firing the dried material to remove the binder, and sinter-uniting the ceramic particulate.

2,582,994
UNDERWATER MICROPHONE
James M. Kendall, Coral Hills, Md., assignor to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey
Application June 4, 1943, Serial No. 489,669
6 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



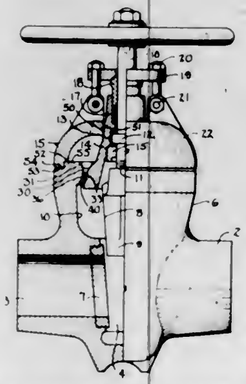
5. In a device for measuring particle motion at the interface between a body of liquid and the bed thereof comprising a spherical casing adapted to be placed adjacent the bed of said body of liquid and having an outer uninterrupted surface area whereby distortion of the particle motion is prevented, an electromagnetic generating means comprising rigidly mounted and flexibly supported portions within the casing and associated therewith, said casing being moved relatively to said flexibly supported portion of said generating means by particle motion of said liquid, the weight of the casing and rigidly mounted portion of said generating means movable with said casing being such that it engages the bed without exerting pressure thereon whereby it is moved by particle motion at the interface of said body of liquid and said bed without substantially altering said particle motion.

2,582,995
CLOSURE JOINT
Milton P. Laurent, Houston, Tex.
Application July 6, 1943, Serial No. 493,673
17 Claims. (Cl. 220—25)



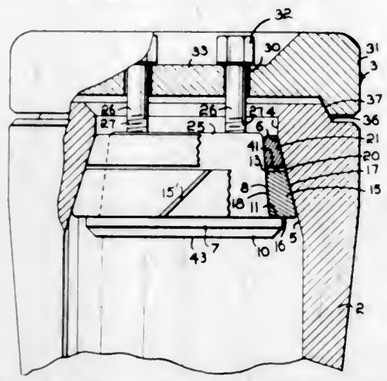
1. In combination with a pressure vessel having an outwardly converging tapered substantially circular opening therein, a substantially circular closure for said opening having its outer edge of a lesser taper but in the same direction as said opening and its maximum diameter less than the minimum diameter of said opening, and a resilient non-compressible metal sealing ring having its outer and inner surfaces tapered to the same tapers as said opening and closure respectively, said ring being distortable to enable it to be inserted through said opening.

2,582,996
SEAL FOR GATE VALVE BONNETS
Milton P. Laurent, Houston, Tex.
Application March 2, 1945, Serial No. 580,552
1 Claim. (Cl. 251—62)



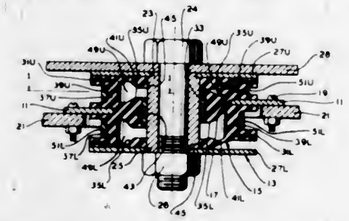
A gate valve comprising a hollow body, having an open end, a tapered seat in said end opening, the outer end of the seat being of a smaller diameter than is the inner end, a closure assembly for said body comprising a hollow plug, an outwardly converging peripheral surface on said plug, the said plug being of somewhat smaller diameter than is the open end of said body and insertable through said open end, a gate stem rotatably mounted in said plug, a gate on said stem, a packing in said plug to seal with said stem, a seal between said plug surface and said body seat comprising, a tapered wedge ring also insertable through said opening to seal on said plug and in said seat, a shoulder on said plug below said ring to engage said ring, and a cap engaging said body and threaded on said plug to pull the plug and ring into said seat to seal said body.

2,582,997
CLOSURE
Milton P. Laurent, Houston, Tex.
Application October 20, 1947, Serial No. 780,987
8 Claims. (Cl. 220—25)



7. A closure assembly for pressure containers having an opening, the wall defining such opening being an outwardly tapering surface, a closure plug having an outwardly converging tapered peripheral surface of a lesser taper than the taper of said wall, the maximum diameter of said plug being less than the minimum diameter of the opening so that the plug may be inserted therethrough, said wall surface and plug surface being spaced apart when the plug is in operative position to provide a space therebetween, a sealing ring of a resilient non-compressible material having inner and outer peripheral tapering surfaces corresponding to the adjacent plug and wall surfaces respectively, a load ring axially alignable with said seal ring and having tapering surfaces corresponding to the adjacent plug and wall surfaces respectively, and means for manually drawing said plug outwardly to force said seal, and load rings against the opening wall and means on said plug to abut said rings and wedge them against the wall surface of the container due to pressure within the vessel.

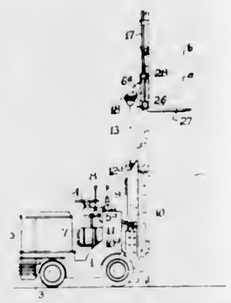
2,582,998
FLUID DAMPED RESILIENT MOUNTING
Norman E. Lee, Forest Hills, N. Y.
Application July 7, 1945, Serial No. 603,735
6 Claims. (Cl. 248—358)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A vibration mounting comprising a base plate pierced by a central opening; a load spool, including a pair of load plates parallel to, spaced from, and on opposite sides of, said base plate, and a core joining and normal to, said load plates; said core being disposed coaxially within the said opening in the base plate; an elastic member of resilient material interposed between the base plate and the load spool and secured to

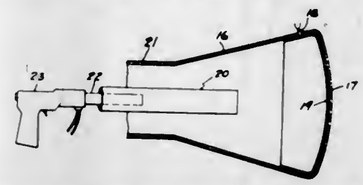
the marginal edge of the central opening in the base plate, said elastic member being generally tubular in shape and including two tubular spring elements disposed respectively on opposite sides of said base plate and coaxial with, of larger diameter than, and encircling, the core; said elastic member also including two flange-like annular webs extending inwardly from the nonadjacent ends of the spring elements, the inner marginal edges of said webs being secured to the core proximate to the load plates respectively; said elastic member also including a flange-like annular spring collar extending inwardly from the adjacent ends of said spring elements, its inner marginal surface terminating in a tubular throttling slide of permeable material acting as a throttling orifice, said throttling slide being slidably positioned about said core; there being thus formed two annular hydraulic chambers intermediate said webs and respectively on opposite sides of said spring collar, said chambers intercommunicating through the said throttling orifice; and a hydraulic medium within said hydraulic chambers.

2,582,999
INDUSTRIAL TRUCK
Max Lehmann, East Cleveland, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio
Application May 18, 1949, Serial No. 93,985
19 Claims. (Cl. 187—9)



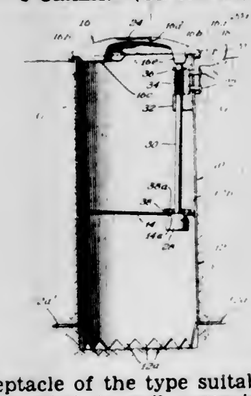
18. In an industrial truck, the combination with a frame having vertical guides mounted thereon and separate guides movable endwise of said first mentioned guides to a predetermined level above the latter, of a load carrier, and a combined supporting and operating mechanism for positioning said carrier at a low level adjacent the flooring and at levels thereabove, said mechanism consisting of an elevating member mounted on and movable endwise of said movable guides, auxiliary guides for slidably supporting said carrier, mounted on and extending upwardly from said elevating member, and hydraulic means for raising said carrier, elevating member and movable guides, said means including a cylinder on said frame, a piston in said cylinder connected to a rod carrying a reeving element and a flexible member engaging said element and anchored at its inner end on said frame and connected at its outer end to said elevating member, devices between said elevating member and said movable guides arranged to inter-engage during upward movement of said member to a predetermined level for raising said movable guides, hydraulic cylinder-piston elements between and connected respectively to said elevating member and said carrier for moving the latter relative to said auxiliary guides and valve means for controlling the supply of liquid pressure to said cylinders.

2,583,000
TRANSPARENT CONDUCTING FILMS
William O. Lytle, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application May 14, 1946, Serial No. 669,535
1 Claim. (Cl. 313—92)



In an electron tube having an envelope enclosing a transparent glass end portion and a layer which is visually responsive to impingement of electrons for production of an image on the interior of said end portion, the combination of a transparent electroconductive continuous tin oxide coating on said envelope and interposed between said end portion and said layer, said tin oxide coating having a resistance less than 500 ohms per unit square and a haze factor below 5% and being in electrical contact with said responsive layer.

2,583,001
GROUND INSERTED CEMETERY VASE
Lloyd E. Magers, Chicago, Ill.
Application April 1, 1949, Serial No. 84,953
5 Claims. (Cl. 47—41)

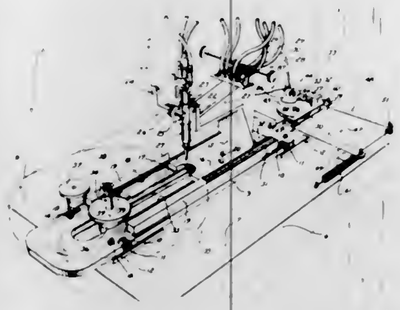


1. A receptacle of the type suitable to be permanently inserted in soil comprising an open ended casing having teeth on the bottom end thereof, a hinged cover for the top of said casing, an apertured partition member spaced between said open ends of said casing and dividing the casing into top and bottom compartments, means on said casing defining a valve guide, valve means disposed in said casing for selectively opening or closing the aperture in said partition member, said valve means being associated with the valve guide to accommodate opening and closing movements of said valve means, and means on said cover for urging said valve means to open position when said cover is closed.

2,583,002
FLAME CUTTING MACHINE
Glenway Maxon, Jr., Milwaukee, Wis.
Application April 28, 1947, Serial No. 744,383
8 Claims. (Cl. 266—23)

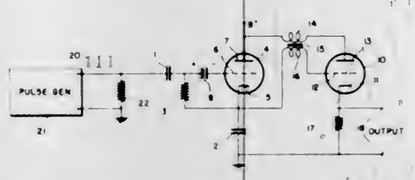
4. A machine for flame cutting gears comprising: a spindle rotatable on a fixed axis and

adapted to have the blank from which the gear is to be cut secured thereto for rotation with the spindle; a cutting torch; means mounting the torch for reciprocation toward and from the spindle and in position to cut through a blank on the spindle; a carriage mounted for reciprocation toward and from the spindle; drive means for effecting reciprocation of the carriage between defined limits including a power driven cam and an adjustable proportioning mechanism connected between the carriage and the cam for



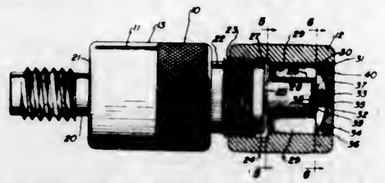
translating rotation of the cam into reciprocation of the carriage and enabling adjustment of the effect of the cam upon the carriage so that with the same cam, teeth of different sizes but having the same proportions may be cut; drive means for rotating the spindle; and synchronizing means operatively connecting said two drive means to so relate the speeds of rotation of the spindle and said cam that for each cycle of carriage reciprocation the blank is rotated an arcuate distance equal to the circular pitch of the gear to be cut.

2,583,003
COUNTER CIRCUIT
Louis F. Mayle, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application April 29, 1946, Serial No. 665,659
9 Claims. (Cl. 250—27)



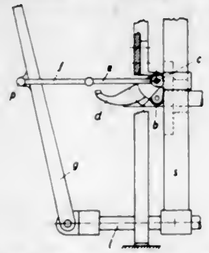
1. An impulse counter comprising a charging condenser, a storage condenser, means for connecting said condensers in series, a space discharge tube having a control grid and a cathode, said grid being coupled to said charging condenser, said cathode being coupled to said storage condenser, means for normally biasing said tube beyond cut-off, means for impressing pulses of positive polarity on said charging condenser, thereby to render said tube conducting upon the occurrence of each pulse and to discharge said storage condenser by a predetermined amount, and means responsive to and operative at a predetermined voltage across said storage condenser for charging said storage condenser to a predetermined potential.

2,583,004
UNDERWATER EXPLOSION GAUGE
James S. McCorkle, Hinton, W. Va.
Application May 3, 1949, Serial No. 91,205
7 Claims. (Cl. 73—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an explosion gage, a body having an anvil, a cap screwed onto the anvil and having a bore to contain a test piece for engagement at one end with the anvil, a hammer slidable in the cap and having a point directed to the other end of the test piece, and a spring for the hammer, said spring consisting of a single leaf-type wire transfixing the hammer and engaging an internal portion of the cap to enable confining the hammer to a simple cylinder with no outcroppings, and thereby keying the hammer in place and pressing the hammer against said other end of the test piece.

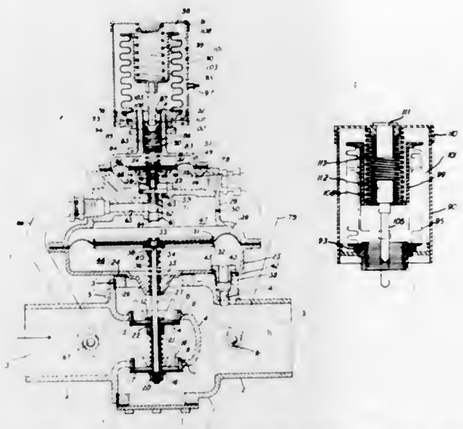
2,583,005
LOOM PICKING MOTION
Albert Müller, Uster, Switzerland, assignor to Albert Müller, Jr., Glattbrugg, Switzerland
Application February 25, 1948, Serial No. 10,684
In Switzerland August 31, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires August 31, 1966
3 Claims. (Cl. 139—147)



1. In a picking device for a loom having a slay with shuttle race; comprising a picker stick, an elbow-lever type traction element pivoted on the picker stick and arranged to move as a unit together with said slay, said traction element being arranged in its extended and initial position substantially parallel to said shuttle race of said slay, a picker arm, and a cam-disc connection for said arm for uniformly moving the same on said loom and for operating said arm in such fashion that the force of impact applied and transmitted to the pivot of said traction element is gradually increased from zero, whereby the latter is moved during picking operation at increasing speed.

2,583,006
FLUID PRESSURE REGULATOR
Fritz Niesemann, Pittsburgh, Pa., assignor to Rockwell Manufacturing Company, a corporation of Pennsylvania
Application May 25, 1943, Serial No. 488,370
1 Claim. (Cl. 137—153)

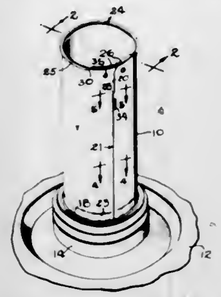
In a fluid controller, a main valve casing having main inlet and outlet connections and a dividing wall therebetween providing a valve orifice, a diaphragm and a cover secured to said casing providing main control and loading chambers on opposite sides of said diaphragm, valve means actuated by said diaphragm for controlling flow through said valve orifice from said inlet to said outlet, a passage connecting said main control chamber with said outlet, a second casing and a second diaphragm providing a pilot valve control chamber and an atmospheric pressure chamber on opposite sides of said second diaphragm, a conduit connecting said pilot valve control chamber with the main valve outlet, an inlet passageway in said second casing connecting said main loading chamber to the main valve inlet, a pilot valve in said inlet passageway op-



erated by said second diaphragm, spring means for biasing said second diaphragm, a pressure responsive device mounted on said second casing comprising a diaphragm having an evacuated chamber on one side and an atmospheric pressure chamber on the other side thereof, means operated by said latter diaphragm engaging said latter spring means to vary the biasing action thereof for controlling pilot valve operation to vary the main valve outlet pressure as a result of changes in atmospheric pressure, and a plurality of springs of different effective lengths on one side of said latter diaphragm opposing the force of atmospheric pressure thereon for modifying the effect of said changes in atmospheric pressure upon the main valve outlet pressure in a predetermined manner.

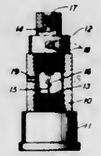
2,583,007
POURING SPOUT
Olaf G. Nilson, Chicago, Ill., assignor to International Machine & Tool Works, Inc., Chicago, Ill., a corporation of Illinois
Application April 20, 1948, Serial No. 22,102
5 Claims. (Cl. 222—525)

1. In a container having a top with an opening therein and a collar secured in said opening and providing an internal shoulder, a pouring spout comprising a blank of sheet metal bent into tubular form and having its edges overlapping and secured together for a portion of their length but unsecured adjacent the upper end thereof, a flange at the upper end of the spout having a portion curled outwardly to form a downwardly opening bead and an inturned portion, said bead terminating at points spaced from said unsecured edges and said inturned flange portion serving to expose the ends of said bead for engagement with said shoulder and constituting means for pulling the spout into extended position after assembly of the spout in said collar, said overlapping



edges allowing slight deformation of said upper end of the spout and permitting said flange to be crammed through said opening upon application of a lateral force to the spout.

2,583,008
ASYMMETRIC ELECTRICAL CONDUCTING DEVICE
Karl M. Olsen, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 22, 1948, Serial No. 22,627
12 Claims. (Cl. 175—366)



1. The method of making an asymmetric electrical conductor which comprises preparing a melt of germanium and antimony in which the antimony constitutes but a small fraction of one per cent by weight of the total, cooling the melt to effect progressive solidification thereof from one extremity to the other, cutting a slab from the resulting ingot substantially normal to the axis extending between the two extremities of the ingot, making electrical connection to one face of slab, and making a copper alloy point electrical connection to the opposite face of said slab.

2,583,009
ASYMMETRIC ELECTRICAL CONDUCTING DEVICE
Karl M. Olsen, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1948, Serial No. 49,631
6 Claims. (Cl. 175—366)

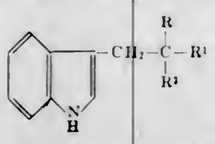


1. An asymmetric electrical conducting device, comprising a slab of germanium having about

0.005 per cent antimony alloyed therewith, and a silver alloy contact point containing a substantial proportion of silver ranging up to about 95 per cent of the total bearing against one face of said slab.

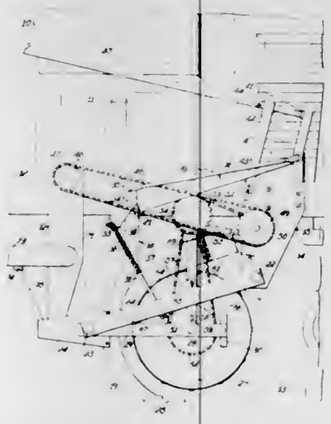
2,583,010
SYNTHESIS OF TRYPTOPHANE
Joseph W. Opie, Donald T. Warner, and Owen A. Moe, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application November 22, 1948, Serial No. 61,518
3 Claims. (Cl. 260—319)

1. Process of preparing tryptophane from compounds having the following formula:



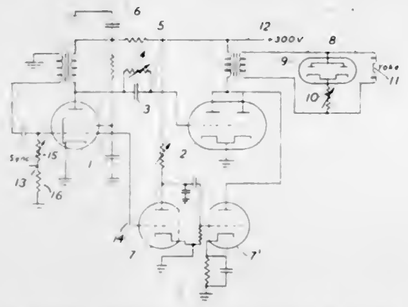
in which R and R^1 are selected from the group consisting of carboxylic acid ester, nitrile, and carbonamide, and R^2 is N-acyl, which comprises treating said compound with an aqueous alkaline solution under reflux conditions for an extended period of time to effect hydrolysis thereof, thereafter acidifying the reaction mixture to a pH of approximately 1.5, refluxing the reaction mixture at this pH for an extended period of time to effect decarboxylation, thereafter rendering the reaction mixture alkaline and subjecting it to further reflux to effect hydrolysis of the N-acyl group, then acidifying and cooling the reaction mixture to precipitate tryptophane, the entire process being carried out without isolation of any intermediate product.

2,583,011
BEET TOPPER
John W. Orendorff, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 19, 1949, Serial No. 111,241
9 Claims. (Cl. 56—121.45)



1. Topping mechanism for beets and the like adapted to be mounted upon a tractor comprising a rotary drum mounted on the tractor for vertical movement with respect thereto and adapted to travel upon the beets in a row to gauge the position of the topping blade and determine the amount of crown to be severed from the beets, a standard rearwardly of said drum and mounted for vertical movement therewith, said standard having a portion spaced from and curved to conform to the shape of the periphery of the drum, a knife blade carried at the lower end of the standard and extending to a location beneath the drum and spaced therefrom, pick-up fingers projecting from the periphery of the drum to engage the beet tops and convey them upwardly to the top of the drum, said standard being of a width substantially equal to the width of the drum to confine the beet tops between the standard and the drum, and a flinger above the drum in the path of the beet tops arranged to discharge the beet tops laterally of the drum.

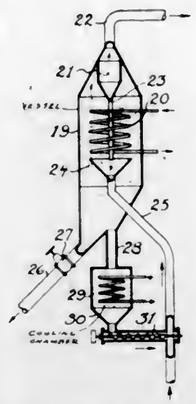
2,583,012
CLASS AB OPERATION OF HORIZONTAL SWEEP AMPLIFIER
Louis W. Parker, Little Neck, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 2, 1947, Serial No. 758,688
5 Claims. (Cl. 250—27)



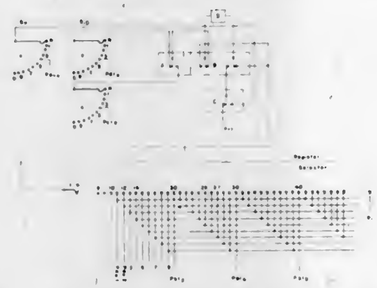
2. A sweep amplifier comprising a space discharge device operating as a blocking oscillator for supplying narrow pulses in the negative direction to a triode discharge device, means for supplying from the output of said oscillator pulses to the grid of said triode, means for supplying from the output of said oscillator a direct current component to the grid of said triode, a third space discharge device using a conventional discharge tube circuit for generating a saw toothed wave, means for applying in parallel the last mentioned saw toothed wave to the output of the said triode device, and an output circuit leading from said triode.

2,583,013
CONDENSATION OF SUBLIMABLE MATERIAL
John A. Patterson, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 26, 1945, Serial No. 624,767
10 Claims. (Cl. 183—119)

1. A method for recovering from a vapor stream a contained product which is normally solid and capable of subliming which comprises passing the vapor stream through a cooling zone maintained at a temperature suitable to effect solidification of the product in the presence of added solid particles of the product, separating the solid product from residual vapors and feeding back some of said solid product to the vapor stream entering the cooling zone, while maintaining a sufficient velocity in said vapor stream to carry said recycled solid product along with such stream in a state of turbulent motion.

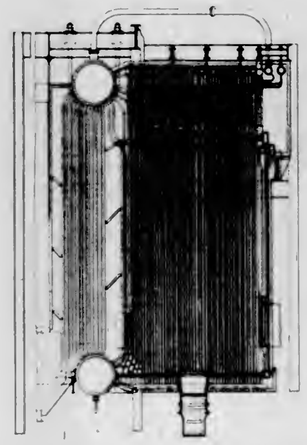


2,583,014
AUTOMATIC CONTROL OF FINAL SELECTORS
Willy Pouliart, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 14, 1947, Serial No. 728,549
In the Netherlands June 12, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 12, 1962
9 Claims. (Cl. 179—18)



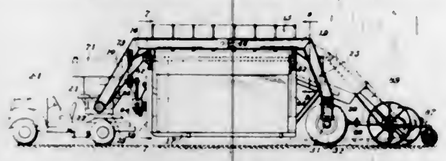
1. In a telecommunication system, a plurality of lines, means including a final selector for connecting a calling with a called line, said selector having a bank of terminal sets in which the lines terminate, a set of wipers, and means for moving said wipers over the terminals, a register comprising a digit switch having a first and a second group of contacts selectable depending on the tens digit called, means controlled by the calling line for operating the register to receive and store the digit of the called number, a plurality of different sources of direct current potential connected with terminals in said bank and with the register, a different source being connected to each contact of the first and second groups of said register, the terminal bank of the selector being divided into groups of ten terminals, corresponding nine terminals of each group being multiplied together and connected to nine different ones of said potential sources and each tenth terminal being connected to still a different one of said sources, a signalling wire extending from the final selector to the digit switch in the register, a detector comprising a gas valve and a transformer, the gas valve being connected to the primary winding of the transformer and the secondary winding thereof being connected with said signalling wire, a source of potential local to the register, means responsive to the tens and the units digit received for connecting the register end of the signalling wire over said digit switch to one of said predetermined sources connected to contacts of said digit switch, means controlled by the register after the receipt of each digit for starting the selector, said selector connecting the selector end of the signalling wire to various sources marking the terminals thereof, said gas valve being adjusted to respond to a predetermined difference of potential applied to the ends of the signalling wire during the tens and also during the units selecting movements of the selector for operating said detector, means operative upon each operation of the selector for stopping the selector, and means in the register for connecting the detector in three alternative connections: between the first contact group of the digit switch and a wiper of the selector, between the second contact group of the digit switch and a wiper of the selector, and between the second contact group of the digit switch and said source of potential local to the register.

2,583,015
BOILER TUBE PROTECTED AGAINST CORROSIVE SUBSTANCES
John Alexander Reich, Chester, Va., assignor to Combustion Engineering - Superheater, Inc., New York, N. Y., a corporation of Delaware
Application April 7, 1945, Serial No. 587,051
2 Claims. (Cl. 122—235)



1. In a boiler furnace, steam generating carbon steel tubes of conventional formulation exposed to the products of combustion, said furnace having a type of firing producing slagging on said tubes and burning fuel producing sulfur oxides and alkali oxides in the products of combustion, said tubes being provided with a firmly bonded metallic aluminum coating in the regions where slagging occurs on said tubes and where the temperature is sufficiently low to bring about condensation of alkali oxides in the gases which oxides are converted into alkali sulfates in the presence of said sulfur oxides.

2,583,016
FRAME STRUCTURE FOR MOBILE VINERS
Roy Ritter and William Ritter, Lewes, Del.
Application March 28, 1949, Serial No. 83,922
8 Claims. (Cl. 280—106)



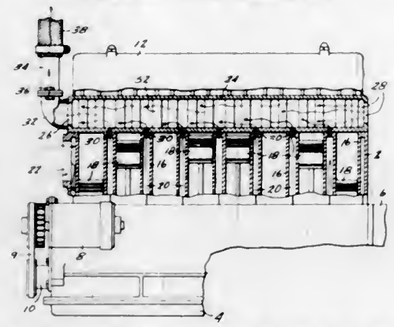
1. A mobile viner hulling machine including in combination, a main outer frame having longitudinally extending spaced side bars, a machine frame within the main frame, a cradle frame between the main frame and the machine frame, said cradle frame having spaced longitudinal side bars disposed adjacent the side bars of the main frame, said side bars having their longitudinal centers positioned above the center of gravity of the machine, means intermediate the ends of said side bars pivotally connecting the side bars of the cradle frame to the main frame, means for longitudinally adjusting the cradle frame relative to the main frame to properly balance the cradle frame on the main frame, means for maintaining the cradle frame in its balanced position, and means mounted on the opposite ends of the machine frame for pivotally connecting centrally the ends of the cradle frame thereto, the pivotal connection of the cradle frame to the main frame and the machine frame above the center of gravity of the machine providing means for maintaining the cradle frame level upon displacement of the main frame and the machine frame when the machine passes over uneven ground.

2,583,017
TYPEWHEEL ARRESTING MECHANISM FOR PRINTING TELEGRAPH APPARATUS
Reginald Dennis Salmon, Croydon, England, assignor, by mesne assignments, to Creed and Company, Ltd., Croydon, England, a British company
Application October 23, 1948, Serial No. 56,163
In Great Britain October 30, 1947
8 Claims. (Cl. 197—18)



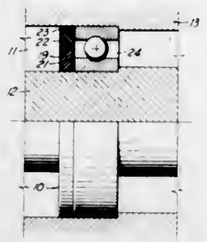
4. Printing telegraph apparatus comprising a typewheel, a continuously rotating shaft, a friction clutch for driving said typewheel from said shaft, two stop arms separately resiliently connected to said typewheel, a stop member for defining a stopping position for said typewheel, means for causing said stop arms to be positioned on opposite sides of said stop member, and means for bringing said typewheel to rest in the position defined by said stop member.

2,583,018
AUTOMATICALLY ATMOSPHERIC CONTROLLED MOTOR
Eugene M. Satterlee, Meadville, Pa.
Application July 22, 1948, Serial No. 40,097
1 Claim. (Cl. 123—41.6)



In an internal combustion engine having an intake manifold, valves, and a carburetor, an engine block having separated cylinders surrounded by jackets providing an air chamber around the cylinders, said chamber having an air intake opening at one end, a valve chamber around the valve stems of the engine having openings providing communicating means with the chamber around the cylinders, said valve chamber having an opening to the atmosphere in one end thereof, and means connecting the opposite end of said valve chamber to the intake manifold of the engine through the carburetor, said intake manifold having a centrally disposed deflecting baffle evenly distributing the gas and air mixture therein.

2,583,019
SEALING ASSEMBLY
Lawrence G. Saywell, San Mateo, Calif., assignor to Saywell Associates, South San Francisco, Calif., a joint venture
Application September 6, 1947, Serial No. 772,485
4 Claims. (Cl. 286—7)



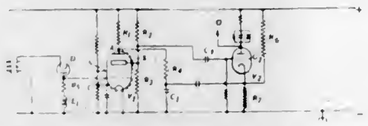
1. A sealing device for establishing a fluid tight seal between relatively rotatable inner and outer parts having an annular space therebetween for receiving said sealing device, a pair of relatively rotatable interfitting metal rings having finished cylindrical surfaces in sealing apposition, said rings being disposed within said space, a resilient rubber annulus surrounding the outer ring and forming a fluid tight seal between the outer ring and the outer part, and a resilient rubber annulus surrounded by the inner ring and forming a fluid tight seal between the inner part and the inner ring, said annuluses enabling limited movement of both said rings in a radial direction.

2,583,020
CLOTHESPIN
David C. Smith, Chicago, Ill.
Application December 5, 1949, Serial No. 131,187
2 Claims. (Cl. 24—137)



1. A clothespin comprising an elongated resilient bar bent backwardly upon itself and crossed forming a pair of crossing arm portions, a pair of engaging jaws on the ends of said crossing arm portions and integral therewith, each of said crossing arm portions having an elongated recess for slidably retaining the opposing crossing arm portion so that the longitudinal axis of said resilient bar and jaws lie substantially in the same plane, each of said jaws having a flange portion which overlies the adjacent recess on each crossing arm portion, said flange portion on each of the jaws slidably engaging an opposing crossing arm portion and restraining the same against transverse movement with respect to the longitudinal axis of said jaw when said crossing arm portions are in preselected relation to each other, while permitting relative movement of said jaws to open the same to receive material to be yieldably held therebetween.

2,583,021
SELECTION OF PREDETERMINED INTERRUPTION PULSE FOR FRAME SYNCHRONIZATION
Charles Norman Smyth, Sidcup, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 19, 1947, Serial No. 769,551
In Great Britain May 26, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires May 26, 1959
1 Claim. (Cl. 178—7.3)

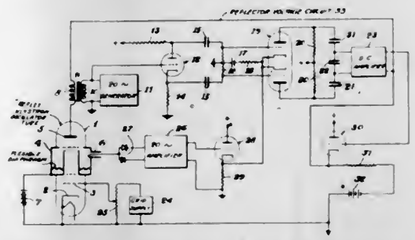


A circuit for separating frame synchronizing pulses from a television signal comprising a multi-electrode vacuum tube having a secondary emissive electrode and an anode electrode, means for supplying said tube with a demodulated television signal having positive frame synchronizing pulses, biassing means to render said tube conductive only during said synchronizing pulses, a pair of output circuits coupled respectively to the anode electrode and the secondary emissive electrode of said tube, whereby pulses of opposite polarities will be derived in response to said television signal, integrating means coupled to one of said output circuits for integrating one of said pulse outputs, an amplitude selective device, and means for coupling said integrating means and the other of said output circuits to said amplitude selective device in combining relation to render it responsive to a predetermined magnitude of said combined outputs.

2,583,022
PROCESS OF PRODUCING COCONUT OIL
Axel L. Sodergreen, Great Neck, N. Y.
Application October 19, 1945, Serial No. 623,284
1 Claim. (Cl. 260—412.2)

The improvement in the process of producing coconut oil from whole coconuts which comprises, steaming the whole coconuts for a period of time sufficient to sterilize the exterior of the coconut shell and to loosen the bond between the coconut shell and the contained meat, removing the meat from the shell, immediately subdividing the whole meat into chip-like particles having a uniform cross sectional thickness of substantially one-quarter of an inch, contacting the meat particles while maintaining in a quiescent condition with a recirculating flowing stream of dehumidified air maintained at a temperature of between substantially 130° F. and 165° F. for a period of time sufficient to partially dry the particles, then contacting the particles while subjected to a tumbling action with a flowing stream of dehumidified air at an elevated temperature not above 165° F. and for a period of time sufficient to reduce the moisture contained to below 5% by weight; immediately triturating the dry meat particles to form an oil slurry of coconut meal and separating the coconut oil from such slurry.

2,583,023
AUTOMATIC FREQUENCY CONTROL FOR KLYSTRON OSCILLATORS
Karl R. Spangenberg, Palo Alto, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 21, 1947, Serial No. 749,508
1 Claim. (Cl. 250—36)



A method of operating a reflex klystron having means for producing an electron beam, a reflecting electrode and a tunable cavity resonator, to select a given frequency and produce maximum output at said frequency comprising adjusting the physical dimensions of said resonator to have its peak resonance at said selected frequency, applying an output determining potential to said reflector electrode, modulating said potential with a wave having a frequency which is low compared to said selected frequency so as to vary the electron flow in said klystron, abstrating power from said cavity resonator which

power varies in step with said low frequency wave, deriving an alternating voltage from said varying power, comparing said alternating voltage and said low frequency wave to derive a control output of a sign and magnitude dependent upon the magnitude of said alternating voltage and its phase relative to said low frequency wave, and varying said output determining potential in response to said control output so as to counteract any tendency of the output to deviate from a given mean value.

2,583,024
METHOD OF SURFACE TREATMENT OF MOLDED MATERIAL

Joseph J. Strobel, Washington, D. C.

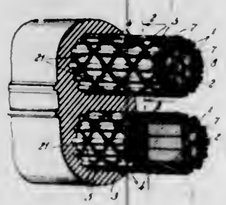
No Drawing. Application March 19, 1948, Serial No. 15,951
4 Claims. (Cl. 117—64)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of treating surfaces of articles molded from glass cloth laminations with a heat curable resin binder comprising propylene maleate phthalate containing approximately 34% monomeric styrene comprising the steps of applying to the surface a thin coat of a low viscosity 100% reactive heat curable liquid resin comprising tetraethyleneglycol dimethacrylate made from a mixture of higher glycols and activated by a suitable catalyst comprising 0.2% lauroyl peroxide; sanding said surface until it is substantially dry; applying a second thin coat of said activated liquid resin; and heat curing said surface by subjecting the article to heat of approximately 125° C. for about 25 minutes.

2,583,025
INTERLOCKED CABLE INSULATION

Bernard Swift, Melrose, and Norwood D. Kenney, Hingham, Mass., assignors to Simplex Wire & Cable Co., Cambridge, Mass., a corporation of Massachusetts

Application August 12, 1949, Serial No. 109,898
9 Claims. (Cl. 174—117)

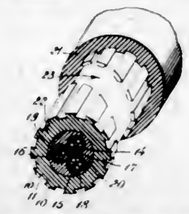


6. In an insulated cable, a conductor, an inner layer surrounding the conductor, spacers integral with and extending outwardly from the surface of said inner layer, an open serving wound upon said spacers and supported in spaced relation to the surface of said inner layer, an outer layer adjacent to and surrounding said inner layer, and interlocking extension members integral with said outer layer and extending on opposite sides of said serving inwardly through the openings defined by said serving and said spacers, said extension members being in contact with the inner layer and filling at least the spaces on opposite sides of said serving to provide at least circumferential and longitudinal interlocking of said layers.

2,583,026
CABLE WITH INTERLOCKED INSULATING LAYERS

Bernard Swift, Melrose, Mass., assignor to Simplex Wire & Cable Co., Cambridge, Mass., a corporation of Massachusetts

Application August 12, 1949, Serial No. 109,899
1 Claim. (Cl. 174—117)



In an insulated cable especially suitable for heavy duty usage wherein adjacent layers are subjected to large forces tending to cause relative movement therebetween, a conductor, a thick inner layer surrounding the conductor formed of a non-conducting insulating material, a plurality of discrete peripherally and longitudinally spaced ribs formed integrally with said inner layer and projecting outwardly therefrom to a thickness substantially less than said thick inner layer, said discrete ribs having first flat end surfaces, a thick outer layer adjacent to and surrounding said inner layer formed of a tough, abrasion and tear resistant material, and an interlocking rib element integral with said outer layer and extending inwardly from the inner surface thereof to a thickness substantially less than said thick outer layer, said interlocking rib element being of a complementary configuration to said ribs of said inner layer to produce a complete surface to surface contact of said outer layer and interlocking rib element with said inner layer and ribs to prevent circumferential movement therebetween, said interlocking rib element having second flat end surfaces which coact with said first flat end surfaces to prevent longitudinal movement between said inner and outer layers, said discrete ribs being sufficiently non-rigid to maintain intimate contact with said interlocking rib element upon bending of the cable, said discrete ribs being of dove-tail shape and said interlocking rib element being of complementary dove-tail configuration to prevent radial movement between said inner and outer layers.

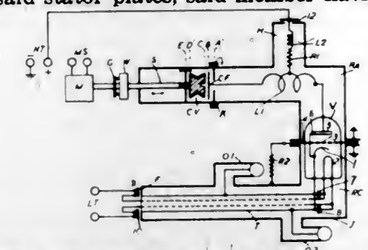
2,583,027
TUNING SYSTEM FOR COAXIAL CAVITY RESONATORS

Frank Howard Taylor, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application January 11, 1945, Serial No. 572,375
In Great Britain January 12, 1944
3 Claims. (Cl. 178—44)

1. A tuning system for a coaxial cavity resonator having inner and outer conductors comprising a manually adjustable fixed condenser and a continuously variable condenser, said adjustable fixed condenser comprising a metallic plate conductively connected to the outer conductor of said resonator, a second metallic plate parallel to the first mentioned plate and conductively connected to the inner conductor of said resonator, one of said plates being adjustably mounted within said outer conductor for manual rotation about its central transverse axis; said variable condenser comprising a stator metallic plate parallel to said other plates and conductively

connected to said outer conductor and spaced from said second plate, said stator plate being mounted for longitudinal movement parallel to its central transverse axis and a conductive member mounted for continuous rotation about its transverse axis arranged between said second and said stator plates, said member having con-



ductive faces parallel to and adjacent said second and said stator plates, said second plate being common to said adjustable and said variable condenser, a rotatable driving shaft extending into said resonator on which shaft said conductive member is mounted for rotation therewith, said shaft being also adjustably mounted for longitudinal movement to adjust the spacing between said conductive member and said second metallic plate.

2,583,028
IMPROVEMENT OF COLOR AND COLOR STABILITY OF SATURATED FATTY ACIDS

David E. Terry and Donald T. Warner, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware

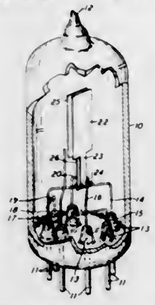
No Drawing. Application November 13, 1950, Serial No. 195,462
3 Claims. (Cl. 260—398.5)

1. Process of treating higher saturated fatty acids which comprises mixing a small quantity of boron trifluoride with the fatty acid, heating the mixture to a temperature within the approximate range of 70–200° C. for a period of from 2 to 4 hours, thereafter washing the mixture with water to remove boron trifluoride, and distilling the residue to recover the fatty acid.

2,583,029
METHOD OF PREPARING GLOW DISCHARGE DEVICES

Mark A. Townsend, Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application July 12, 1949, Serial No. 104,264. Divided and this application April 4, 1950, Serial No. 153,855
8 Claims. (Cl. 316—1)

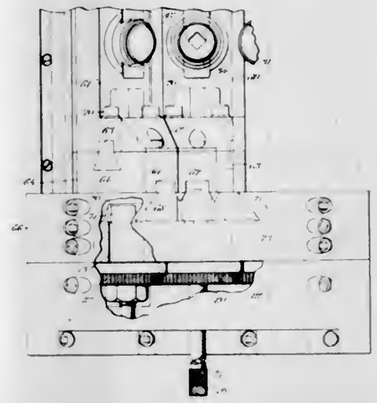


1. An aging schedule for glow discharge devices comprising passing a high current through said device after the device has been exhausted, filled with gas and sealed, said current being of a high peak to average ratio, and then reducing said current in steps such that the rate of clean-up of impurities on the cathode surface is always in excess of the evolution of impurities from the internal elements.

2,583,030
PARALLAX CORRECTION FOR MULTILENS CAMERAS

Fred Waller and Richard C. Babish, Huntington, N. Y., assignors to The Vitarama Corporation, Huntington Station, N. Y., a corporation of New York

Application October 9, 1948, Serial No. 53,732
6 Claims. (Cl. 95—18)



1. A multi-camera structure for exposing films to be used in making mosaic pictures, said structure comprising a first and a second lens support for holding lenses that expose separate film frame areas, the supports holding the lenses in such positions that they form on said different film frame areas the images of different fields with the fields matching along adjacent edge zones of the film frame areas, a guide for each lens support along which the lens support is movable in the direction of the optical axis of the lens to focus the lens for objects at different distances from the camera structure, and a second and transverse guide for at least the second of the lens supports and along which the second lens support is movable transversely of the optical axis of its lens, a focusing control, and motion transmitting connections operated by the focusing control for moving the second lens support along both guides simultaneously with the direction of movement of the lens support along the transverse guide coordinated with the change in focus resulting from movement along the first guide to maintain the match of the field images for all focuses and all changes of field angle with change of focus.

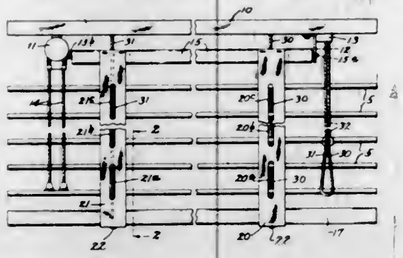
2,583,031
VENETIAN BLIND

Brooks Walker, Piedmont, Calif.

Application July 3, 1950, Serial No. 171,857
7 Claims. (Cl. 160—168)

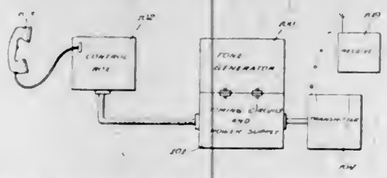
1. A Venetian blind ladder tape made of flexible material and having ladder rungs and side members, an offset lift cord, cutouts in said tape side members wide enough to clear said lift cord, said cutouts being between alternate slat supporting

ladder rung stations so that the cutouts would be between alternate slat supporting ladder



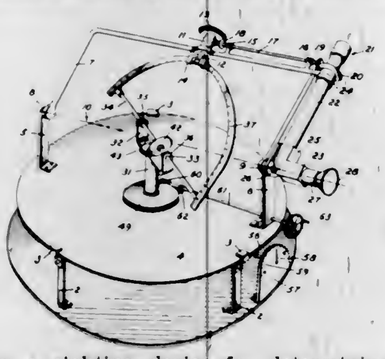
rungs and extend substantially between the slat spacing provided by said ladder rungs.

2,583,032
SELECTIVE CALLING SYSTEM
Herbert C. Waterman, Chicago, and Marion R. Winkler, La Grange Park, Ill., assignors to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application September 25, 1948, Serial No. 51,248
24 Claims. (Cl. 179—1)



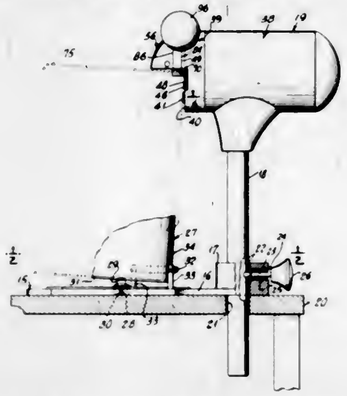
1. In a selective calling system for operating remote equipment in response to predetermined tones, a source of a plurality of tone signals, timing means, and push-button controlled switching means for selecting a plurality of pairs of said tone signals, and for applying the same to said timing means, said timing means selectively transmitting said pairs of tones over a single channel.

2,583,033
APPARATUS FOR DETERMINING COURSE OF AN AERIAL TARGET
Herbert K. Weiss, El Paso, Tex.
Application February 4, 1946, Serial No. 645,419
2 Claims. (Cl. 33—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



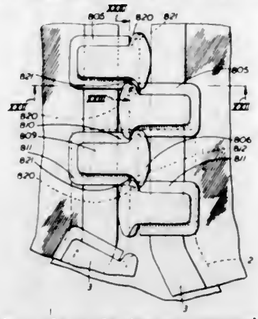
1. In a sighting device for determining the characteristics of flight of an aircraft with respect to a fixed point, said characteristics including the dihedral angle between the horizontal plane and the slant plane determined by the path of the target and said point, as well as the angle of approach of the target in said slant plane, a base, a platform supported by said base for rotation about a first vertical axis, a first sleeve independently rotatable on said platform about said first axis, a semi-circular bail journaled on said sleeve for pivotal movement about a second and horizontal axis forming a diameter of said bail, a frame pivoted on said platform for pivotal movement about a third and horizontal axis, a second sleeve on said frame, a shaft journaled in said second sleeve for rotation on a fourth axis normal to said third axis, all said axes being concurrent at a point at the center of said bail, a yoke fixed to said shaft and engaging said bail for sliding along the periphery thereof and effective to rotate said shaft and bail as a unit about said fourth axis and to maintain said fourth axis in the plane of said bail, a sight fixed to said frame and effective to determine a line of sight to a target parallel to said shaft and fourth axis, said sight having a part rotatable about the optical axis thereof and bearing an arrow transversely of said axis in the field of view of the sight, means connecting said part and shaft to effect synchronous rotation thereof in the same direction, manually operable means carried by said platform to rotate said first sleeve and bail about said first axis, said line being maintained upon a remote target by combined movements of said platform and frame while maintaining said arrow parallel with the apparent path of the target by actuation of said manually operable means, indicating means responsive to rotation of said bail about said second axis, and second indicating means responsive to rotation of said first sleeve.

2,583,034
CAN OPENER
Seth E. Wibling, Danbury, Conn., assignor to Strong Appliance Industries, Incorporated, Danbury, Conn., a corporation of Connecticut
Application March 30, 1949, Serial No. 84,311
18 Claims. (Cl. 30—4)



1. A can opener comprising, in combination; supporting frame structure; a hand lever of the first class pivotally mounted on said frame structure having a word end and a force-receiving, manual-engagement end located on opposite sides of a point of pivotal mountation with its work end carrying cutter means; pressure-applying, bead-top engaging means mounted on said frame structure; means biasing said pressure-applying means downwardly to a limited degree; and means interposed between the manual-engagement end of said lever and said pressure-applying means to push the latter down to bead-engaging position when said lever is swung laterally over to cutting position.

2,583,035
SLIDING CLASP FASTENER
Martin Winterhalter, Morcote, Switzerland
Application January 11, 1949, Serial No. 70,182
In Great Britain February 11, 1948
2 Claims. (Cl. 24—205.13)

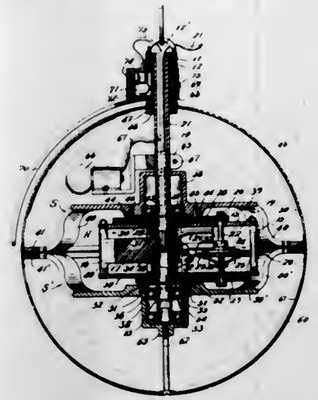


1. A sliding clasp fastener comprising a pair of flexible carrier tapes, a row of fastener members on each carrier tape, a pair of legs on each of said fastener members, each pair of legs gripping the carrier tape between them so that each fastener member with its legs straddles across an edge of the said carrier tape, a head portion on each of said fastener members, the said head portion protruding beyond the said edge of the carrier tape and having two surfaces substantially perpendicular to the edge of the carrier tape, each of said surfaces having at least one coupling recess, at least one coupling projection on each of said surfaces, the said coupling recesses and projections of each fastener member of each row being in shape substantially complementary to each other and each being arranged for interlocking with a coupling projection and recess respectively of an adjacent fastener member of the other row, a lateral extension on each leg of each fastener member, the extension being thinner than the leg and extending perpendicularly to the edge of the carrier tape in the longitudinal direction of the leg, and a portion on each extension protruding beyond the edge of the carrier tape, each fastener member having a front surface joining the said perpendicular surfaces, the said front surface having a groove substantially parallel to the edge of the carrier tape, the said groove of each fastener member of each row being arranged for receiving the protruding portion of an extension of an adjacent fastener member of the other row whereby additionally to interlock the fastener members of one row with an adjacent fastener member of the other row.

2,583,036
FORMING FOUNDRY CORES
Robert S. Wolf, Chicago, Ill.
No Drawing. Application July 8, 1947,
Serial No. 759,719
9 Claims. (Cl. 22—192)

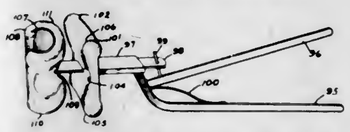
1. The method of forming foundry cores which comprises treating foundry sand with a soluble adhesive, forming the so treated sand into a coherent core, and then exposing the outer portions of the core, prior to baking, to an atmosphere containing solvent in proportion and at a temperature to condense upon the adhesive upon the sand, and continuing the exposure until the flowability of the adhesive in the exposed portions of the core has substantially increased.

2,583,037
CLOCK
Arthur F. Alexander, Cleveland, Ohio
Application November 13, 1947, Serial No. 785,580
6 Claims. (Cl. 58—2)



1. In a clock, a vertical post, a support therefor at one end thereof, clock mechanism fixed to said post, a lower cup and an upper inverted cup rotatably mounted upon and supported by said post with the cup rims substantially meeting, said clock mechanism being enclosed by said cups, driving means surrounding and rotatably mounted upon said post and actuated by said clock mechanism for turning one of said cups, and driving means also surrounding and rotatably mounted upon said post and actuated by said clock mechanism for turning the other of said cups at a different speed.

2,583,038
GUM MASSAGER AND TOOTH CLEANER
Robert A. Birch, Greenwich, Conn.
Application June 26, 1950, Serial No. 170,428
4 Claims. (Cl. 128—62)

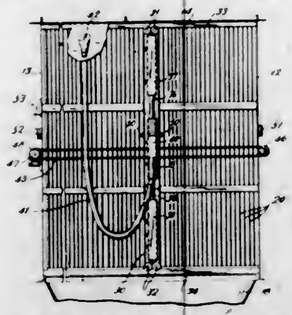


1. A dental device for massaging teeth and gums comprising a fixed member, a movable member mounted on said fixed member and being lineally slidable with respect thereto, a resilient pad on said fixed member, a resilient pad on said movable member, and means connected to said movable member for reciprocating said movable member with respect to said fixed member whereby said resilient pads are reciprocated with respect to each other.

2,583,039
DUST COLLECTOR
George A. Boesger, North Olmsted, Ohio, assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 1, 1949, Serial No. 96,426
7 Claims. (Cl. 183—61)

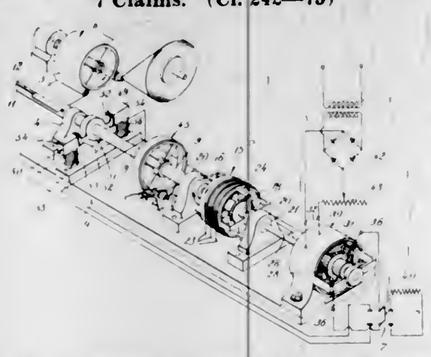
1. In a dust collector, a casing, a wall dividing said casing into a dust chamber and a clean air chamber, a plurality of porous bags in said dust chamber arranged side by side in a horizontal series with their open ends attached to said wall

in communication with openings through the wall, an inlet to said dust chamber for admission of dust-laden air, a blower having its intake connected with said clean air chamber, a diaphragm in the latter chamber having an opening adapted to register with said wall openings one at a time, means for traversing said diaphragm back and



forth from one end of said wall to the other, and means for maintaining communication between said diaphragm opening and air outside the casing comprising a flexible tubular conductor connected to the diaphragm at one end and communicating with an opening through the casing at its opposite end.

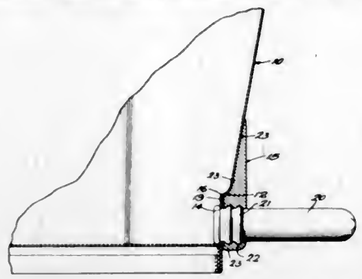
2,583,040
CORE TYPE WINDER DRIVE
George Cawley, Upper Montclair, and Howard M. Brown, Wood-Ridge, N. J.
Application February 4, 1950, Serial No. 142,378
7 Claims. (Cl. 242—75)



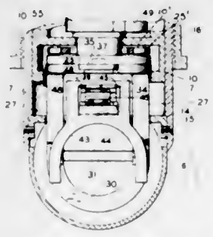
1. In a winding machine, a base, a winding mandrel mounted for rotation with respect to the base, a substantially constant speed motor having a field member and an armature member both rotatably mounted with respect to the base, a coupling between one of said members and the mandrel, a generator, a coupling between the other of the said members and the generator armature, an indexing armature coupled to the mandrel, a field structure adapted when energized to establish a field in the vicinity of said indexing armature, and means to energize said field structure.

2,583,041
PIPE JOINT
James M. Coyner, Madison, Wis.
Application April 22, 1949, Serial No. 89,079
4 Claims. (Cl. 285—30)

1. A feeder pail having a lower portion thereof adjacent the bottom indented and having an aperture extending therethrough, said indentation providing an external horizontal shoulder, an anchor plate having a portion thereof received within said indentation and secured to said pail about said indentation, said anchor plate having a shoulder abutting the lower side of said pail shoulder, said plate having a grooved-equipped passage therethrough aligned with the opening in said pail, and a resilient nipple having an inner end engaging a groove of said plate.



2,583,042
COMBINATION GUN SIGHT AND RANGE FINDER
Theodore S. Dayton, Portland, Oreg.
Application February 6, 1946, Serial No. 645,727
12 Claims. (Cl. 33—50)



1. A combined gun sight and range finder mechanism, including a telescope, a housing secured to and extending beyond the telescope, a primary cam movable in said housing for setting the mechanism for target size, a secondary cam movable in said housing, manual means carried by the housing for independent adjustment of the cams, sight carrying and range finder members movable in the telescope, and connections between said members and the respective cams for varying the influence of the cams in their adjustment on the sight carrying member and range finding member.

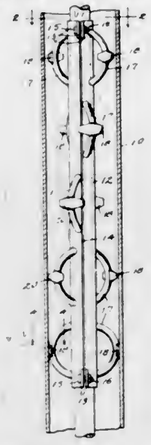
2,583,043
SUTURE HOLDER
Gilbert O. Dean, Little Rock, Ark.
Application June 3, 1949, Serial No. 96,896
6 Claims. (Cl. 206—63.3)



1. A holder for a bunch of sutures or other strands comprising an elongated member having an end portion angularly disposed and providing a high part beyond a face of said member, a tubular element rigid with the face of the elongated member on the face thereof beyond which

the angular end portion is directed, said tubular element having an outer open end terminating short of said angularly disposed portion, said tubular element being formed to receive a bunch of strands, and a protective slide connected to the elongated member for movement therealong, said slide having one position in which it bridges the space between the open end of the tubular member and the high part of the angular portion of the elongated member.

2,583,044
SCRAPER FOR REMOVING PARAFFIN FROM OIL WELL PIPES
Charles W. Earl, Seminole, Tex.
Application December 6, 1949, Serial No. 131,486
3 Claims. (Cl. 166—18)

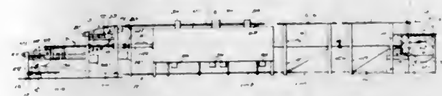


1. A tool of the class described including a sucker rod adapted to be reciprocated in a well pipe, a split pipe fitting loosely on the rod, a pair of oppositely disposed clamping lugs on and extending diametrically from the split pipe in the same direction, a bolt extending through the lugs and adapted to clamp the split pipe securely but removably onto the rod, a plurality of pairs of brackets secured on the split pipe at different equidistantly spaced levels, the brackets of each pair extending diametrically opposite to each other from the split pipe and the brackets of adjacent bracket pairs forming equal angles with each other, and a scraping knife secured to each bracket.

2,583,045
METHOD OF THERMOCHEMICALLY CUTTING FERROUS METAL
Harold R. Fisher, Metuchen, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application April 2, 1951, Serial No. 218,900
7 Claims. (Cl. 148—9)

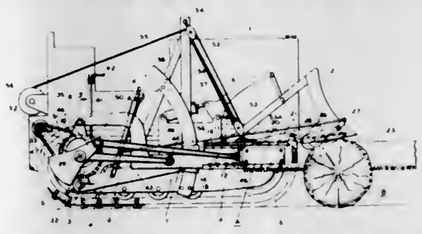
1. The method of thermochemically cutting alloy steel containing a percentage of chromium which renders said steel difficult to cut thermochemically, which comprises projecting a stream of cutting-oxygen against the alloy steel to be cut while the metal is at kindling temperature and introducing into the cutting-oxygen stream a flux in powdered form consisting essentially of at least one material selected from the group consisting of sodium sulphite, sodium sulphate, sodium bisulphate and sodium thiosulphate.

2,583,046
APPARATUS FOR HEAT-TREATING BIMETALLIC STRIP MATERIAL
Donald H. Gardner, Detroit, Mich., assignor to Sunbeam Corporation, Chicago, Ill., a corporation of Illinois
Application May 3, 1949, Serial No. 91,194
13 Claims. (Cl. 266—3)



12. In a furnace for annealing relatively short lengths of strip material such as a bimetallic material that distorts when subjected to temperature changes, the combination of a chamber for causing a substantial change in temperature of said strip material when passing therethrough, a pair of opposed flexible belts having movable portions disposed in said chamber and spaced apart to receive a strip of said material therebetween and convey the same through said chamber, and means associated with said belts extending continuously through said chamber and disposed above and below said movable belt portions to engage said belts upon distortion of said strip material at an infinite number of points therealong to hold said belts in a predetermined spaced relation to limit distortion of said strip as it passes through said chamber.

2,583,047
MATERIAL HANDLING APPARATUS WITH DRAG SAW
Edwin E. Hansen and Carl C. Hansen, Astoria, Oreg.
Application October 17, 1945, Serial No. 622,904
6 Claims. (Cl. 143—68)

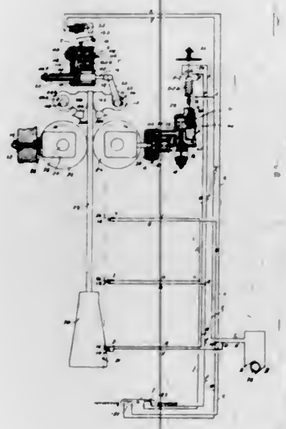


1. In a material handling apparatus, the combination with a motor driven vehicle of a bulldozer pivotally mounted on the vehicle, a substantially horizontal drag saw operatively mounted on the vehicle adjacent said bulldozer, means on the vehicle for operating said drag saw, means on the vehicle for selectively operating the bulldozer to hold a log during operation of the saw, and means for lifting the log held by the bulldozer sufficiently to prevent binding of the saw during operation.

2,583,048
TETRANITROPROPANE
John A. Hannum and Morris Frumin, Detroit, Mich., assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 13, 1946, Serial No. 647,433
3 Claims. (Cl. 260—644)

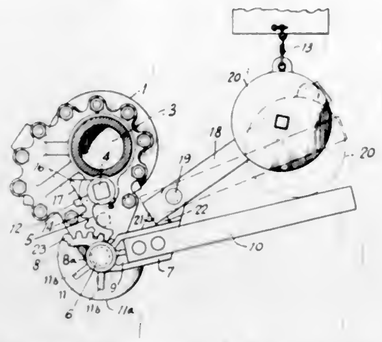
3. 1,1,1,3 tetranitropropane.

2,583,049
DROP HAMMER
Georges Hartemann, Montbard, France, assignor to Societe Anonyme Louvroil Montbard Aulnoye, Paris, France
Application July 13, 1950, Serial No. 173,511
In France December 17, 1949
5 Claims. (Cl. 78—29)



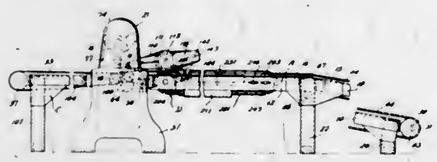
1. Drop hammer comprising in combination a lower matrix enclosing the work piece to be stamped, a head carrying the die and adapted for falling vertically to strike the matrix, a suspender attached to the head, brake means operative against the suspender, two continuously driven rollers on respective sides of said suspender, a first pneumatic means operative for engaging and disengaging the brake means, a second pneumatic means operative simultaneously upon the rollers for applying them against the suspender or for dis-engaging them therefrom, a source of electric current, first and second electrical windings fed from the said source and each controlling one of the said pneumatic means, a manually operated contact device between the said source and the first electrical winding, a lower contact device normally open and two upper contact devices normally closed said upper contact devices being superposed in the vertical path of travel of the head at adjustable heights and inserted electrically between the source of current and the second winding, means responsive to a vertical effort from above but unresponsive to a vertical effort from below for closing the lower contact device, means responsive to a vertical effort from below but unresponsive to a vertical effort from above for opening each of the upper contact devices, means fixed upon said head and adapted for co-operating with the said responsive means during descent of the head, for temporarily closing the lower and normally open contact device and for opening temporarily and successively, during ascent of the head, each of the normally closed upper contacts, first means actuated by the closing of the lower and vertically adjustable contact device for maintaining the current in the second winding after the subsequent opening of the said contact device, second means actuated by the opening of one or the other vertically adjustable upper contacts for releasing the first means, and a switch actuated by the operator in shunt with the lower of the two upper contact devices.

2,583,050
VALVE OPERATING MECHANISM
William Harrower, Jersey City, N. J., assignor to Everlasting Valve Company, Jersey City, N. J., a corporation of New Jersey
Application September 26, 1945, Serial No. 618,675
10 Claims. (Cl. 251—18)



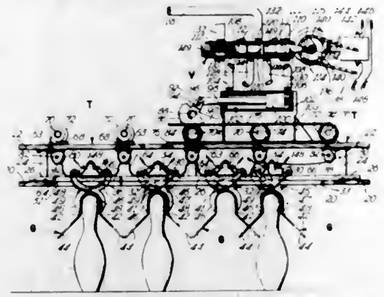
1. A valve comprising: a flow-controlling element movable from non-operated position to operated position; driving and driven eccentric gear-sectors operable to move the flow-controlling element from non-operated position to operated position and then move out of mesh, the teeth of one of said gear-sectors being disposed at progressively increasing distance from the axis of that gear-sector and the teeth of the other of said gear-sectors being disposed at progressively decreasing distance from the axis of that gear-sector, and such eccentricity of the gear-sectors providing one gear-ratio of drive to the flow-controlling element at the beginning of its movement from non-operated position and another gear-ratio of drive to the flow-controlling element as it moves into operated position; means to hold the flow-controlling element in operated position while the gear-sectors are out of mesh; and means to restore the gear-sectors to mesh as the driving gear-sector is returned toward non-operated position.

2,583,051
VENEER CLIPPER
George Haumann, Portland, Oreg., assignor to The Coe Manufacturing Company, Painesville, Ohio, a corporation of Ohio
Application March 13, 1948, Serial No. 14,681
14 Claims. (Cl. 164—49)



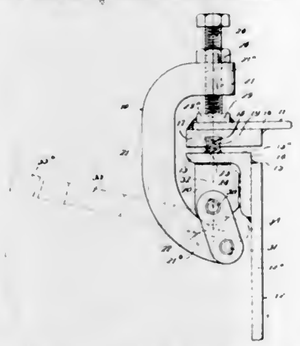
1. In a high speed veneer clipper of the character referred to, a rigid frame comprising horizontally spaced vertical side members, a long vertically movable knife supported by said frame, said knife being thin and light-weight relative to said frame, power means for reciprocating said knife, a feed table for moving veneer to cut past said knife, and means raising a portion of the veneer adjacent to said knife above the normal plane of said feed table.

2,583,052
BOWLING PIN RESPOTTER
David D. Jacobus, Hoboken, N. J., assignor to American Machine and Foundry Company, a corporation of New Jersey
Application December 17, 1946, Serial No. 716,850
12 Claims. (Cl. 273—42)



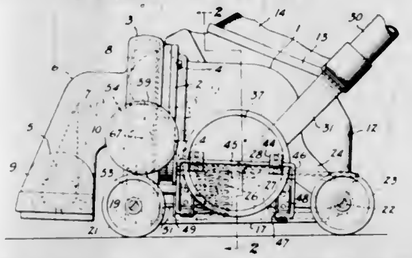
1. In a machine for engaging, lifting and replacing pins on a bowling alley in substantially the same position they occupied before being engaged and lifted, a frame adapted to be moved toward and away from the bed of a bowling alley on which pins are spotted, inverted trough-shaped members having pin engaging surfaces, means movably connecting said members to said frame and confining said troughs for rectilinear movement transverse to the major axis of said trough shaped members to allow said members to center themselves over standing pins by engagement with standing bowling pins, and pin gripper devices formed on said members and operative along the length of the inverted trough-shaped members for gripping pins over which said devices have been centered by said members.

2,583,053
QUICK ACTION HATCH CLAMP
Matthew W. Kestner and Herman M. Kestner, Cleveland, Ohio, assignors to The American Ship Building Company, Cleveland, Ohio, a corporation of New Jersey
Application December 18, 1947, Serial No. 792,552
1 Claim. (Cl. 292—256.5)



A clamping device for releasably securing a hatch cover against a laterally projecting cover seat of a coaming, comprising an anchor member adapted to be rigidly connected with said coaming beneath said seat, a link having upper and lower ends, a first pivot pin pivotally connecting the upper end of said link with said anchor member, a rigid clamp member having upper and lower arms adapted to extend in transverse crossing relation to said seat and an edge portion of said cover, a second pivot pin pivotally connecting the lower arm of said clamp member with the lower end of said link such that said link cooperates with said anchor member and lower arm in forming a toggle, a pair of pressure elements having convex and concave bearing portions adapted for interfitting engagement, one of said pressure elements being an adjustable screw extending through said upper arm toward said lower arm and the other pressure element being adapted for mounting in fixed relation on said cover, said screw and other pressure element lying substantially on a vertical axis passing through the pivot axis of said first pivot pin when said clamp member is in its cover-engaging position and said convex and concave bearing portions forming a localized fulcrum point on said vertical axis and about which said clamp member is adapted to rock during swinging of the said second pivot pin from one side to the other of said vertical axis for actuating said toggle in applying or releasing clamping pressure on said cover, and tool receiving means for facilitating actuation of said toggle comprising pairs of projections extending laterally from opposite sides of the device and each pair of said projections defining therebetween a recess for receiving a tool portion, said first and second pivot pins being of a greater length than the thickness of said link in the direction of the pivot pin axis such that the ends of said pivot pins form said pairs of projections.

2,583,054
AUTOMATIC NOZZLE ADJUSTING DEVICE FOR VACUUM CLEANERS
James B. Kirby, West Richfield, Ohio
Application April 22, 1946, Serial No. 663,923
3 Claims. (Cl. 15—319)



1. A suction cleaner having a carriage, a vertically movable nozzle on the carriage, means yieldably supporting said nozzle in an elevated inoperative position, a fluid pressure operated actuator subjected at all times to the air pressure existing in a portion of the cleaner where pressure above atmospheric is maintained during operation and where the pressure is decreased by obstruction of air flow through the nozzle, a lever pivoted to said nozzle, said lever having an arm connected to said actuator and an arm that is free from attachment to the carriage and engageable with the carriage when the nozzle is in its elevated position to transmit a downward thrust to said nozzle to shift it to cleaning position.

2,583,055
SIGN
Paul Kress and Adolf Jankel, London, England
Application July 11, 1946, Serial No. 681,786
In Great Britain June 27, 1945
2 Claims. (Cl. 40—132)

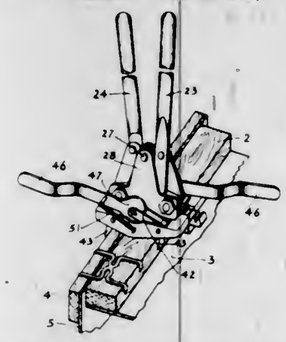
1. An improved electric display sign giving the illusion of running water, of the kind comprising

a box-like structure, a front panel for said box-like structure, display matter on said front panel, a rotatable cylindrical drum arranged longitudinally behind said front panel, and a source of light inside the lower part of the box-like structure shielded from the front panel and arranged to shine on the drum, said drum being formed of



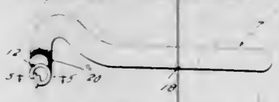
a plurality of perforated colored transparent strips arranged longitudinally along the curved surface thereof, part of the light from the light-source striking the perforated colored transparent strips and being reflected onto the front panel, and part of such light passing through said perforations so as to be reflected from the interior of the rotating drum onto the front panel.

2,583,056
APPARATUS FOR APPLYING FASTENERS
Joseph C. Lang, Pittsburgh, Pa., assignor to Bocjl Corporation, Pittsburgh, Pa., a corporation of Delaware
Application March 26, 1949, Serial No. 83,717
17 Claims. (Cl. 1—50)



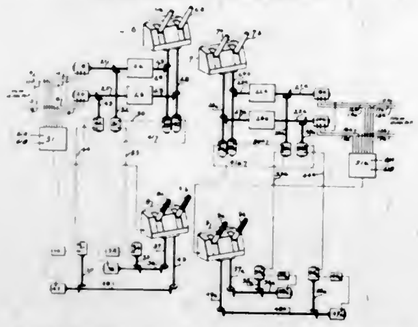
1. A tool of the class described having a base structure with means on the under face thereof intermediate its ends for fitting about and straddling the central portion of a fastener and to position the tool with respect to the fastener, relatively movable die elements on the under face of the base structure for engaging and bending the fastener with respect to said first-named means, and means for operating said dies.

2,583,057
SAFETY RAZOR
John G. Leatherman, Hamilton, Ohio
Application November 25, 1949, Serial No. 129,443
2 Claims. (Cl. 30—32)



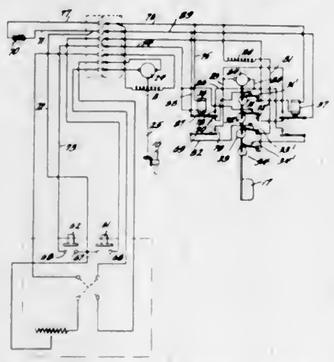
1. A discardable safety razor of the character set forth comprising a handle member, a head carried thereby, said head member being of elongate tubular form and longitudinally divided to provide a pair of edges, one of said edges being offset from the other and extending into the tube in overlapping relation with said other edge, and a blade comprising a thin narrow strip of material sharpened along one edge and having a portion along its other edge frictionally gripped between said overlapping edges.

2,583,058
INTERZONE INTERFERENCE DEVICE FOR GUNS
Earl E. Libman, New York, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 17, 1947, Serial No. 792,117
3 Claims. (Cl. 89—41)



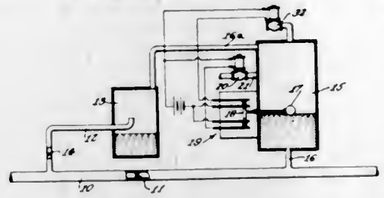
1. A mechanism to prevent damage due to interference between guns which have control means for operating the same, said mechanism comprising model means coupled to and operated by said control means for simulating the positions of said guns, said model means each having a barrel longitudinally divided into contacting surfaces each independent of the other and each capable of contact with any other surface of another barrel in various positions of said barrels, and means interposed in said control means and selectively operable by the position of contact between said contacting surfaces of said barrels for interrupting only that function of said control means whose continued operation would result in damage to the guns.

2,583,059
OUTBOARD MOTOR
William H. Neville, Birmingham, Ala.
Application June 30, 1948, Serial No. 36,000
1 Claim. (Cl. 318—467)



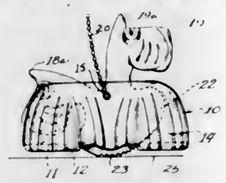
Steering apparatus for small boats including in combination a rudder, a motor operatively connected for turning said rudder, a pair of circuits adapted to be alternatively closed, for energizing said motor for turning said rudder in alternative senses, relay-operated switches in said respective circuits, manually operated means for selectively energizing said relays, a normally closed cam operated switch in each said circuit adapted to open the same after a predetermined turning movement of the rudder, a second, normally open cam-operated switch in each said circuit adapted to be closed upon the initiation of a turning movement, and means associated with each said relay for closing the circuit through the normally open cam-operated switch of the opposite circuit when said relay is de-energized, to return said rudder to neutral position.

2,583,060
DIFFERENTIAL PRESSURE SAMPLING DEVICE
Edward H. Paulsen, Baltimore, Md.
Application September 2, 1944, Serial No. 552,450
10 Claims. (Cl. 137—166)



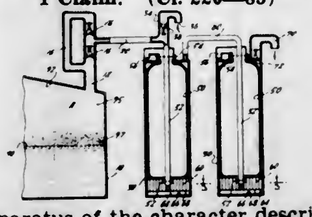
1. An apparatus for sampling liquids comprising a flow conduit for liquids having a restricted orifice therein, a branch conduit having a restricted orifice therein connected to said flow conduit on the upstream side of said flow conduit orifice, a closed liquid receiving receptacle connected to the end of said branch conduit on the opposite side of said orifice therein from said flow conduit and providing a closed air receiving space above said liquid, a chamber for receiving liquid connected to said flow conduit on the opposite side of said flow conduit orifice from said branch conduit and providing a closed air receiving space above said liquid, means connecting the air receiving spaces in said receptacle and said chamber for flow of gas therebetween, and means for maintaining the liquid level in said chamber substantially equal to the highest liquid level in said branch conduit.

2,583,061
ROCKING FIGURE TOY
Bayard C. Reed, Chicago, Ill.
Application October 3, 1950, Serial No. 188,214
7 Claims. (Cl. 46—147)



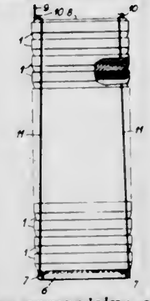
1. A novelty toy device comprising a base member having a bottom and side walls, said bottom having an opening therein substantially intermediate its ends, a rockable member pivotally mounted between said side walls, said rockable member having an arcuate bottom portion projecting through said opening and engageable with a supporting surface, said rockable member bearing two figures arranged substantially symmetrical relative to the pivotal axis thereof, said device when shifted in a straight line in alternate directions effecting alternate rocking of said rockable member so as to present alternately one of said figures.

2,583,062
VAPOR SELECTIVE BREATHER
Jacques Marcel Riboud, Baltimore, Md.
Application March 13, 1947, Serial No. 734,531
1 Claim. (Cl. 220—85)



An apparatus of the character described, comprising a gas storage tank, a plurality of holder units adjacent thereto, the first of which is in direct communication with the tank, and the last of which is in communication with an adjacent holder at one side thereof and open to the atmosphere at the other side, a normally expanded hollow bag within each of the holders to fill the space therewithin upon contraction of the gas within the tank, said bags offering slight resistance to contraction and to the movement of vapor under pressure into and through the holder upon expansion of the gas within the tank the bags being in direct communication with the atmosphere, and means within the holder units to direct movement of vapor therethrough in straight line paths.

2,583,063
VOLTAIC BATTERY
Richard Percy Richardson, Erith, England
Application July 9, 1945, Serial No. 603,759
In Great Britain June 9, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 9, 1964
3 Claims. (Cl. 136—111)

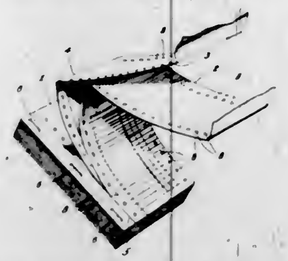


1. A dry battery comprising a pile of layer type cells, each cell including a negative electrode in the form of a metal container, the bottom container having hooks thereon, the cells of the pile being bound together by a binding of thread passing beneath said hooks and over the uppermost cell.

2,583,064
PAD OF CONTINUOUS STATIONERY
Francis George Sexton, London, England, assignor to W. H. Smith & Son Limited, London, England, a British company
Application November 5, 1947, Serial No. 784,164
In Great Britain June 19, 1947
1 Claim. (Cl. 282—11.5)

A continuous stationery pad comprising a plurality of strips of paper folded together about

transverse lines of weakening into zig-zag form, in which each strip is provided with a longitudinally extending line of weakening adjacent to one edge, in which the edge portions of the successive layers of the strips outside the longitudinal weakening lines are stapled together to form a narrow stub from which the strips may be removed by tearing along the longitudinal lines



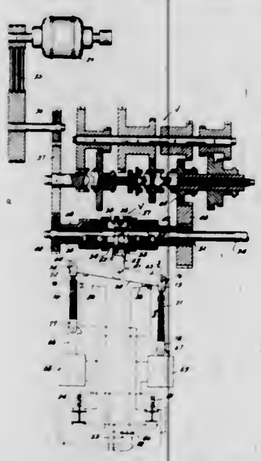
of weakening and in which each strip is provided with a row of feeding perforations inside and adjacent to the longitudinal lines of weakening and with a like row of feeding perforations adjacent the opposite edge of the strip so that each strip as separated from the stub bears a row of feeding perforations adjacent to each edge.

2,583,065

CLUTCH OPERATING MECHANISM

Hallis N. Stephan, Cleveland Heights, Ohio, assignor, by mesne assignments, to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut

Application February 25, 1948, Serial No. 10,615
6 Claims. (Cl. 74—365)



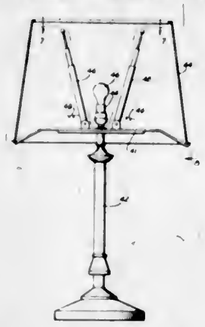
1. In a machine tool or the like having a selective drive mechanism including an operating member shiftable to and from a predetermined position, mechanism to shift said member comprising in combination, electromagnetic means including an element movable to one position in response to energization of said means, and a normally collapsed tubular coil spring interconnecting said member and element, the length of said spring and the travel of said element being such that when said member is in said predetermined position and said means is deenergized said spring is collapsed with the convolutions engaging one another and forming a substantially non-compressible thrust member between said element and member and when said means is energized said spring is stretched to urge said member to said predetermined position, whereby upon deenergization of said means said spring collapses and draws said element thereagainst and transmits the kinetic energy of said element therethrough to said member to tend to shift said member from said predetermined position.

2,583,066

COMBINATION LAMP AND TELEVISION ANTENNA

Theophile A. Stiffel, Chicago, Ill.

Application September 7, 1949, Serial No. 114,387
2 Claims. (Cl. 250—33)



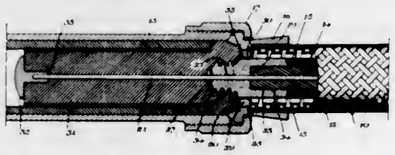
2. A device for positioning on the cabinet of a television receiver comprising a movable lamp having a standard and a lamp shade, a plate member carried on said standard, a plurality of lamp shade supporting elements carried on said plate member, said elements having end lamp shade engaging portions disposed below the plane of said plate member, a pair of television antennae elements supported on said plate member in substantially upright position within the confines of said shade, said lamp providing beneficial illumination for viewing the television screen and being movable about a vertical axis for tuning of said antennae elements.

2,583,067

RADIO SHIELDED IGNITION LEAD TERMINAL WITH PRESSURE BARRIER

Kenith G. Strunk, East Orange, N. J., assignor to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey

Application July 1, 1949, Serial No. 102,475
4 Claims. (Cl. 174—35)



1. A radio shielded ignition lead terminal assembly comprising a shielded ignition cable, a transverse pressure proof barrier carried within said cable, said barrier being ceramic and provided with a cental bore to receive the ignition wire therethrough, a hermetically bonded coating of metal upon the barrier where the ignition wire leaves the said barrier, said wire and metal coating being soldered together to provide a liquid tight connection, a second hermetically bonded coating of metal upon the outside surface of the barrier, a metal collar soldered to the second metallic coating to provide a liquid tight connection and an electrical contact member secured to the end of the ignition wire.

2,583,068

METHOD OF CUTTING STEEL HAVING A HIGH CHROMIUM CONTENT

Cornelius J. Sullivan, Somerville, and Harold R. Fisher, Metuchen, N. J., assignors to Air Reduction Company, Incorporated, a corporation of New York

No Drawing. Application June 10, 1948, Serial No. 32,276
2 Claims. (Cl. 148—9)

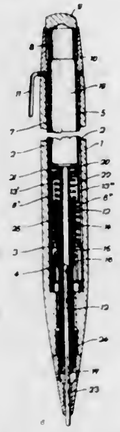
2. The method of thermochemically cutting alloy steel containing a percentage of chromium which renders the alloy steel difficult to cut thermochemically, which comprises projecting a stream of cutting-oxygen against the alloy steel to be cut while the metal is at kindling temperature, and introducing into the cutting-oxygen stream a flux in powdered form consisting essentially of at least one material from the group consisting of barium peroxide, sodium peroxide, sodium chlorate, sodium perchlorate, potassium peroxide, and potassium permanganate.

2,583,069

MECHANICAL LEAD PENCIL WITH FINGER OPERABLE LEAD PROJECTING AND RETRACTING MEANS

Vojtěch Votruba, Ceske Budejovice Ulice L. B., Czechoslovakia, assignor to Koh-I-Noor Tuzkarna L. & C. Hardtmuth, narodni podnik, Ceske Budejovice, Czechoslovakia

Application February 11, 1948, Serial No. 7,615
In Czechoslovakia July 7, 1947
2 Claims. (Cl. 120—14.1)



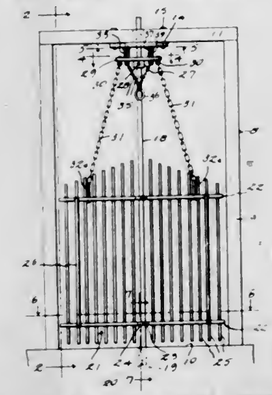
1. A mechanical pencil comprising a shell, a guide tube fixedly mounted within the shell, a presser cap movable axially within one end of the shell, a tip member carried at the other end of the shell and having an axial passage therein through which a writing lead can only pass against friction, a clamping tube carried by the presser cap and movable therewith, a lead magazine slidable in the guide tube and having depending from the inner end thereof an extension tube extending within the clamping tube, the remote end of said extension tube being formed with a split flared head adapted to clamp a writing lead when said head is engaged by the adjacent end of the clamping tube, means on the extension tube for cooperation with the guide tube and with the clamping tube whereby the extension tube can be moved by the guide tube toward the tip end of the pencil, latching means within the shell adapted for cooperation with means on the clamping tube to hold said tube in clamping relation with the split flared head on the extension tube whereby to grip a lead after the presser cap has been moved axially toward the tip end of the shell a predetermined distance, a collar movable by the clamping tube when it is moved a further axial distance, to disengage the latching means, and spring means for moving the clamping tube and the extension tube toward the presser cap end of the shell when the presser cap is moved the further axial distance.

2,583,070

INTERMEDIATE PIVOT GATE AND LATCH

Samuel W. Webb, Preston, Kans.

Application November 5, 1947, Serial No. 784,140
1 Claim. (Cl. 39—30)



A closure of the character described comprising an upright arch-shaped frame including a horizontally disposed cross bar constituting the top of the frame, a vertically disposed shaft, means for journalling said shaft including a bearing formed in said cross bar and intermediate of the ends thereof, a closure secured intermediate of its ends to the shaft for rotation therewith between a closed position in the plane of said frame and an open position at a right angle thereto, a keeper plate secured to the underside of said cross bar having spaced openings each spaced an equal distance from the axis of the shaft, a latch bolt supporting plate fixed to the shaft beneath the keeper plate having an opening extending therethrough, a latch bolt reciprocally disposed in said opening of the latch bolt plate for movement toward and away from the keeper plate and selectively engageable in the openings of the keeper plate to latch the closure in either an open or a closed position, and a spring bearing against the latch bolt plate and a portion of the latch bolt and urging the latch bolt toward the keeper plate.

2,583,071

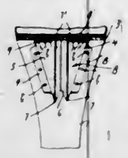
SHANK BRACE

Leon Weinstein, St. Louis, Mo.

Application March 18, 1948, Serial No. 15,611
5 Claims. (Cl. 36—76)

1. A shank brace comprising a pair of plate members bendably connected along an edge and angularly disposed to each other, each of said

members being provided at opposite ends of their connecting edge with prong-forming portions,



and being further provided along their free margins with outwardly extending flanges.

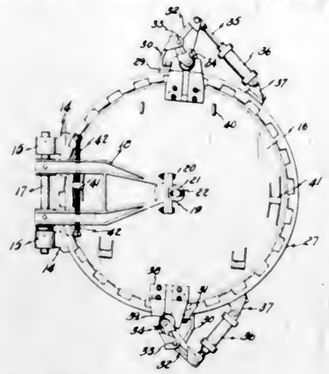
2,583,072
DERRICK
John Hart Wilson, Wichita Falls, Tex.
Application September 9, 1944, Serial No. 553,396
16 Claims. (Cl. 189—16)



1. The combination of a tubular socket attached to the upper end of a top derrick leg, a gin pole having a collar adjacent its lower end, said socket receiving and supporting the lower end of the gin pole, and adjustment means carried by said collar and engaging the upper end of said derrick leg to hold the gin pole in different positions of angular adjustment with reference to its supporting socket.

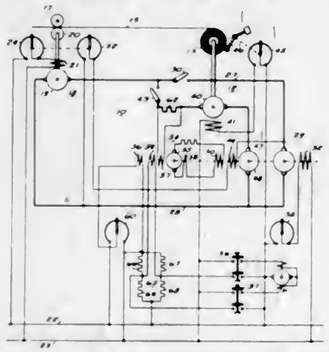
2,583,073
HIGH-PRESSURE STEAM KILN
Clarence E. Ahlborn, Saginaw, Mich., assignor to Jackson & Church Company, Saginaw, Mich.
Application November 29, 1947, Serial No. 788,809
3 Claims. (Cl. 220—30.5)

1. In combination with a kiln body having a door frame, a door forming a closure for said frame, a main bracket hingedly connected to said frame with the free end overhanging said door and provided with a bracket on which the door is revolvably mounted, diametrically opposed brackets mounted on the outer edge of the door frame and projecting beyond the outer periphery thereof, a fulcrum lever pivotally mounted on each of said brackets at a point intermediate their length, radially projecting lock brackets on said door and projecting beyond the outer edge thereof, each lock bracket being formed with an open socket, a roller journaled on the inner ends of said fucrum levers and engageable in said sockets, radially extending circumferential lugs provided on the outer edge of the door, and complementary, inwardly extending lugs provided on the inner edge of the door frame, the lugs on the door being disposed behind the lugs on the door frame when the cover is in locked position,



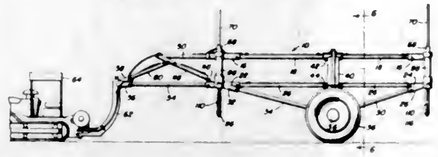
and hydraulically actuated means connected to the outer end of the fulcrum levers and to said door frame for rotating said cover to force it to locked position.

2,583,074
MOTOR CONTROL SYSTEM
Eugene F. Allbert, Turtle Creek, and Basil J. Auburn, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 24, 1946, Serial No. 705,464
7 Claims. (Cl. 242—75)



1. A control system comprising, a motor disposed to be connected in driving relation with a work device for working on a strip of material, a reel motor having an armature connected in driving relation with a reel for winding the strip and having a field winding connected for energization in accordance with the diameter of a coil of strip material on the reel, circuit means connecting the armatures in parallel circuit relation to a principal source of electrical energy, and circuit means including a booster generator connected in series circuit relation with the reel motor armature and the source and in closed circuit relation with said armatures, and a regulating generator disposed to be responsive to the armature current of the reel motor connected to vary the field excitation of the booster generator for supplying a variable voltage to the reel motor armature to maintain a predetermined value of current through the reel motor armature whether the principal source is supplying a normal operating voltage to the armature or whether the voltage of the principal source is reduced to stall the reel motor.

2,583,075
LOG CARRIER
Theodore L. Anderson, Seal Rock, and Theodore H. Esbenshade, Newport, Oreg.
Application December 13, 1948, Serial No. 64,962
7 Claims. (Cl. 214—65.3)



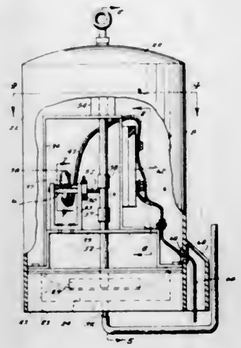
1. A log carrier comprising a wheeled frame including forward and rear U-shaped end members and longitudinal side rails joining the end members, a pair of pivotal supports carried by the end members, a pair of cylinders mounted on each of the end members, pistons movable longitudinally in said cylinders, piston rods carried by the pistons and pivoted to the supports, hydraulically operated means actuating said pistons on said forward end member for moving said supports on said forward end member, additional hydraulically operated means actuating said pistons on said rear end member for moving the supports on the rear end member independently of the supports on the forward end member, said supports including tubular members, log supporting arms disposed transversely of said tubular member and including shanks slidably received by said tubular members, and means supported solely by the supports for selectively adjusting the shanks relative to the tubular members.

2,583,076
IMBIBITION PRINTING USING DISAZO DYE
John M. Andreas, Pasadena, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
No Drawing. Application August 23, 1946, Serial No. 692,693
8 Claims. (Cl. 101—149.1)

4. Method of making motion picture films and the like, by imbibition printing, comprising the steps of wetting a photographic surface, having a record of the desired color aspect of the scene to be depicted selectively developed thereon, in a solution of a stilbene dye, characterized by being formed by the coupling of one mol of tetrazotized 4,4'-diamino-stilbene-2,2'-disulfonic acid with two mols of p-sulfo-aceto-acetanilide, and bringing the selectively dyed film into intimate contact with the surface to be printed.

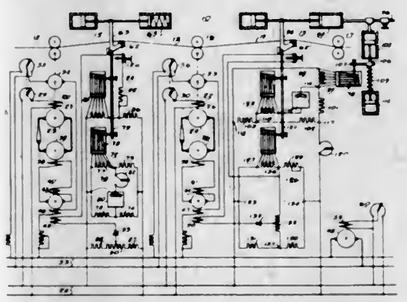
2,583,077
WATER LEVEL RESPONSIVE CONTROL SWITCH ASSEMBLY
Charles Eugene Arney, Indianapolis, Ind.
Application May 12, 1950, Serial No. 161,573
2 Claims. (Cl. 200—83)

1. A water level responsive switch assembly comprising a fluid pressure producing unit mountable in a water receptacle, a pressure responsive switch unit mountable at a location remote from said pressure producing unit, and a tube connecting said pressure producing unit to said pressure responsive unit for transmission of fluid pressure from the former to the latter, said pressure responsive unit comprising a body having a recess opening to one side thereof, a flexible diaphragm secured to said body and covering said recess, a weight mounted on said diaphragm at the side of the latter remote from said body, a frame secured to said one side of said body, a switch holder pivotally mounted on said frame, a crank secured to said switch holder, a standard secured to said weight and extending



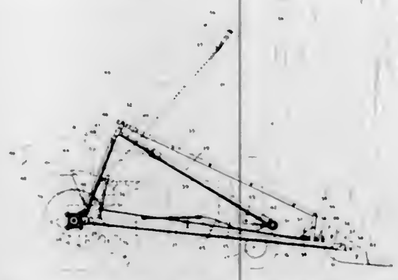
past said crank, and spaced apart abutments carried by said standard and alternatively engageable with said crank to tilt said switch in response to movements of said diaphragm.

2,583,078
TENSION RESPONSIVE CONTROL SYSTEM
Basil J. Auburn and Gerhard P. Lessmann, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1948, Serial No. 20,684
7 Claims. (Cl. 318—7)



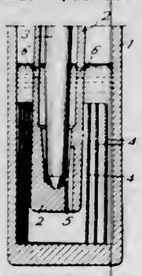
1. A control system for use with a tension device disposed to move to different operating positions to deflect a strip of material from a normal pass line between adjacent mill stands having electric driving motors comprising; a variable resistance device actuated in response to movement of the tension device; a regulating generator having a control winding, said regulating generator being connected to regulate the operation of one of the motors; and a bridge circuit including said variable resistance element and having a response circuit disposed to be subjected to a reversible voltage including the regulating generator control winding, a rectifier device connected to prevent energization of the control winding except when the tension of the strip exceeds a predetermined value, and a potentiometer device disposed to vary the point of connection of the response circuit between adjacent legs of the bridge circuit for varying the operating position at which the energization of the control winding commences.

2,583,079
LOADING MACHINE
Gerald T. Baker, Neligh, Nebr., assignor to Horn Manufacturing Company, Fort Dodge, Iowa, a corporation of Iowa
Application September 28, 1946, Serial No. 700,101
2 Claims. (Cl. 214—140)



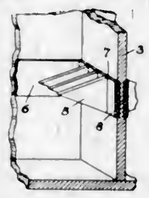
2. In combination in a loader attachment for a tractor having a transversely extending rear axle housing, a rigid lifting frame comprising a pair of longitudinally extending lifting arms pivotally attached at their rear ends to the tractor axle housing, a transverse structural member rigidly attached to and extending between the forward portions of said lifting arms, a pair of upwardly and rearwardly extending hydraulic cylinder and piston assemblies, each positioned at one side of the tractor inwardly of said lifting arms, the lower forward ends of said hydraulic assemblies being pivotally attached adjacent the forward end of the tractor, a pair of upwardly and rearwardly extending lifting members each disposed respectively in a common longitudinally extending vertical plane with one of said hydraulic assemblies, the lower forward ends of said lifting members being pivotally attached to said transverse structural member, the upper rear ends of said lifting members being pivotally attached adjacent the upper rear ends respectively of said hydraulic assemblies, and guide members pivotally interconnecting each of said hydraulic assemblies and the tractor axle housing at points lying above the points of pivotal attachment of said lifting arms, each of said guide members lying in the common vertical plane of the associated hydraulic assembly and lifting member.

2,583,080
JOURNAL FOR SPINNING AND TWISTING SPINDLES
Karl Beerli, Nieder-Uster, Switzerland, assignor to Spindel-, Motoren- und Maschinenfabrik A. G., Uster, Switzerland
Application July 13, 1950, Serial No. 173,505
In Switzerland July 14, 1949
6 Claims. (Cl. 308—152)



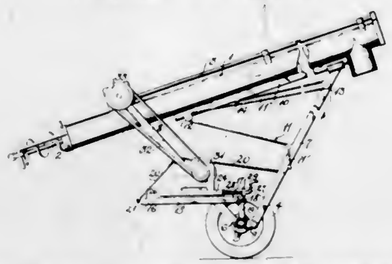
1. A journal bearing for spinning and twisting spindles, comprising a journal casing adapted to contain a damping liquid, a journal bushing suspended within the casing, a plurality of cylindrical sleeves disposed in the lower part of the casing between said bushing and the casing wall, said sleeves being placed one into the other in radially spaced relationship, said sleeves having curved bottoms provided with apertures for the passage of said damping liquid.

2,583,081
DISH CARTON
Aline E. Blumner, New York, N. Y.
Application July 18, 1946, Serial No. 684,451
2 Claims. (Cl. 217—35)



2. A shipping carton for dishes and the like, comprising a compartment, a resilient strip attached to and extending longitudinally of the bottom wall of said compartment, resilient means attached to and extending longitudinally of the side walls of said compartment, said means being formed as a series of resilient blocks, resilient fins interposed between and spacing said blocks and projecting inwardly of the side walls of said compartment, and resilient means attached to the end walls of said compartment.

2,583,082
SELF-LEVELING MOTOR MOUNT ASSEMBLY FOR GRAIN CONVEYERS AND THE LIKE
Henry Bobrowski, Morris, Manitoba, Canada
Application November 13, 1950, Serial No. 195,212
3 Claims. (Cl. 198—233)



3. In a grain conveyor including a conveyor and housing, a pair of jackknifing supporting members therefor, a common lower transverse spanning member for said jackknifing members, and a motor and belt for driving said conveyor; a self-levelling motor mount assembly, said assembly comprising in combination a substantially rectangular framework, a pair of supporting brackets upstanding from said transverse spanning member, one end of said framework being pivoted between the upper ends of said supporting brackets, a flexible cable secured to the opposite end of said framework and extending over a sheave mounted for rotation upon one of said jackknifing members substantially above said framework, the opposite end of said cable being secured to the other of said jackknifing members, said sheave moving in an arc of a circle about the point of connection of said jackknifing member to said transverse spanning member when said jackknifing members are actuated thereby varying the effective length of said flexible cable to maintain said framework in a substantially horizontal position, a motor supporting platform slideably mounted for longitudinal movement upon said framework, and crank means to adjust the position of said platform upon said framework in order to vary the tension of said belt.

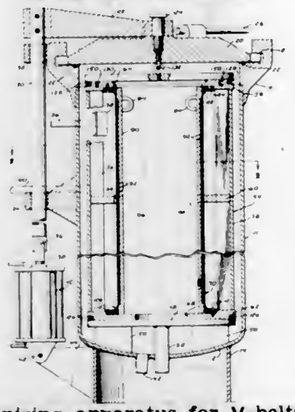
2,583,083
OXIDATION OF ACIDIC SULFUR COMPOUNDS
Donald C. Bond, Northbrook, and Nelson B. Russell, Winnetka, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application February 13, 1946, Serial No. 647,220
4 Claims. (Cl. 23—184)

1. The process of converting mercaptans occurring in hydrocarbon oils to disulfides comprising intimately contacting said mercaptans with a gas containing free oxygen in the presence of a caustic alkali solution containing a small amount but sufficient to promote oxidation of 2,5-ditertiary butyl hydroquinone as an oxidation promoter and controlling oxidation to prevent destruction of the promoter.

2,583,084
HYDROCARBON TIN ALCOHOLATES
Samuel L. Burt, Plainfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application December 15, 1948, Serial No. 65,521
3 Claims. (Cl. 260—429)

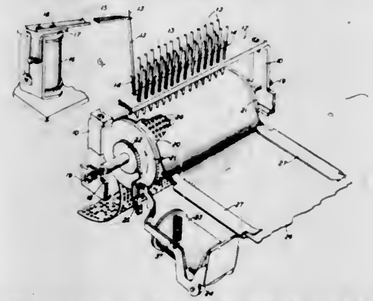
1. A dibutyl tin alcoholate of an aliphatic polyhydric primary alcohol containing from 2 to 5 carbon atoms and from 2 to 4 hydroxyl groups.

2,583,085
FLEXIBLE SLEEVE TYPE VULCANIZING APPARATUS FOR V BELTS AND THE LIKE
John F. Campbell, Cuyahoga Falls, Ohio
Application September 21, 1949, Serial No. 116,873
15 Claims. (Cl. 18—6)



1. Vulcanizing apparatus for V-belts and the like comprising a pot heater having an open end, a substantially flat base in the pot heater, a conduit connecting the center portion of the base with the outside of the heater, a cage resting on the base in the heater, said cage including a plurality of plates having round central openings therein, one of the plates being positioned at the top and one at the bottom of the cage, a gasket between the bottom plate of the cage and the base in the heater, a flexible metal cylinder formed from a strip of sheet metal and having overlapped ends carried loosely in the round openings of the cage plates, a ring-shaped gasket secured to the bottom cage plate and having a flexible lip portion engaging with the cylinder, a ring-shaped gasket carried by the top cage plate and having a flexible lip portion engaging with the cylinder, spring means connected between the cage and the overlapped ends of the cylinder and normally holding the cylinder expanded against the round openings in the cage plates, pressure cylinder means mounted between the cage and the overlapped ends of the cylinder to decrease the cylinder diameter, a mold having molding cavities in its outer surface and adapted to be removably received within the cylinder, a closure for the open end of the heater, a closure plate secured with a lost motion connection to the closure, a gasket secured to the top cage plate and adapted to seal with the closure plate, and means for supplying vulcanizing fluid under pressure to the inside of the heater and to the outside of the cylinder.

2,583,086
TAPE PERFORATING MACHINE
Warren W. Carpenter, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 14, 1945, Serial No. 588,401
1 Claim. (Cl. 164—111)

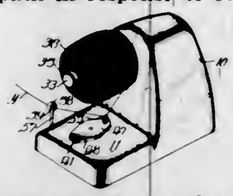


The combination of a rotatable apertured drum and a tape, means for connecting said tape to said drum consisting of embossments in said tape symbolizing code signals and meshing with the apertures in said drum, said embossments and drum constituting the sole means for driving the tape.

2,583,087
WINDER FOR YARN AND THE LIKE
Kenneth Cloud and Russell J. Nadherny, Chicago, Ill., assignors, by direct and mesne assignments, to Cloud Foundation, Inc., Chicago, Ill., a corporation of Illinois
Application June 10, 1949, Serial No. 98,293
10 Claims. (Cl. 242—2)

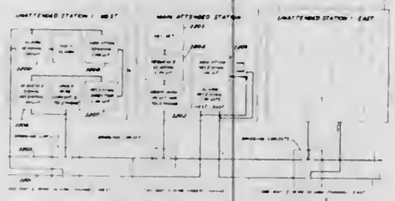
1. A winder for yarn or the like comprising supporting structure mounting a rotatable spool, an arm rotatable about an axis substantially normal to that of the spool intermediately of its ends, means interconnecting the spool and arm for concurrent operation, a yarn guiding eye on the arm at a point removed from its axis of rotation and mounted for movement relative thereto whereby the eye, during rotation of the arm, is moved through a circular path having a diameter terminating inwardly of the spool ends,

and means in connection with the eye for holding the same stationary while moving through its circular path in response to rotation of the



arm, the eye being thereby maintained in a single position while guiding the yarn back and forth between the ends of the spool.

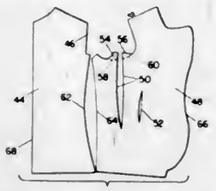
2,583,088
ALARM SIGNALING SYSTEM
Charles E. Clutts, West Orange, N. J., George A. Pullis, Riverdale, N. Y., and Alfred K. Schenck, Glen Ridge, and Laurance A. Weber, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 13, 1950, Serial No. 184,632
8 Claims. (Cl. 177—353)



1. In an alarm signaling system, a main station, a plurality of subsidiary stations, two signaling channels connecting said main station with all of said subsidiary stations in parallel, a plurality of alarm registering devices at each subsidiary station, a corresponding plurality of indicating devices at said main station, a pulse generating device at each subsidiary station, a scanning device at each subsidiary station for scanning said alarm registering devices, a scanning device at said main station for scanning said indicating devices, means responsive to the transmission of a code of alternating-current frequencies from said main station over one of said channels to initiate the operation of the pulse generating device at one of said subsidiary stations, means under the control of said pulse generating device to operate the scanning device at said one subsidiary station and to transmit a plurality of spaced pulses of alternating current of one frequency over said other channel to operate the scanning device at said main station, means under the control of operated ones of said alarm regigistering devices to transmit a pulse of alternating current of another frequency over said other channel and means under the control of the scanning device at said main station responsive to said pulse of another frequency to operate the corresponding indicating device.

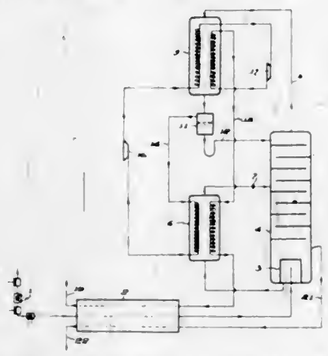
2,583,089
GARMENT CONSTRUCTION
Joseph Clyne, Bronx, N. Y., assignor, by mesne assignments, to Flexsleev, Inc., a corporation of New York
Application August 29, 1947, Serial No. 771,342
1 Claim. (Cl. 2—93)

In a sleeved garment, an improved waist construction providing for freedom of arm movement of the wearer of the garment, comprising a garment waist portion including a front section and a back section joined together by a seam at the side of the garment below the sleeve, a sleeve for the garment including a substantial integral armpit allowance blended into the attachment end of the sleeve to provide an attachment edge having curves of relatively small amplitude, said sleeve armpit allowance including a portion extending along the front portion of the attachment edge of the sleeve and gradually diminishing in width toward the top of the attachment edge of the sleeve thereby providing a gentle slope along the front portion of and toward the top of the attachment edge of the sleeve, the front section of the waist including an



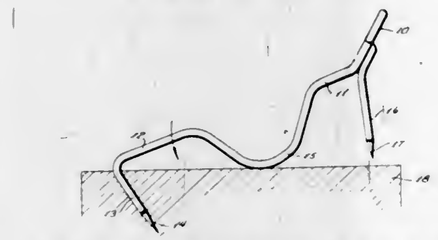
armpit attachment edge to which the armpit attachment edge of the sleeve is attached, a dart extending through said armpit attachment edge of the front section of the waist, an upwardly projecting complementary allowance at each side of the dart in the armpit portion of the front section of the waist where the sleeve is attached, and seams joining said sleeve to the front and back sections of the garment so that the sleeve allowance is joined to the waist allowance, whereby a garment is provided which permits free arm movement of the wearer and which also permits the wearer to readily raise his arms without distorting the position of the garment on the body of the wearer and without binding the wearer's arm muscles.

2,583,090
SEPARATION OF NATURAL GAS MIXTURES
Joe L. Cost, Madeira, Ohio, assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania
Application December 29, 1950, Serial No. 203,412
9 Claims. (Cl. 62—175.5)



1. The method of separating natural gas mixtures composed substantially of nitrogen and methane and of recovering gaseous methane therefrom under substantial pressure that includes the following steps: compressing the mixture to a high pressure, cooling the compressed mixture to a low temperature, throttling the mixture to an intermediate pressure to cool it further, rectifying the throttled mixture at that intermediate pressure to separate its contained nitrogen and methane, cooling and partially liquefying the nitrogen resulting from said rectification to form liquid reflux for use in rectifying the mixture, partially warming the unliquefied portion of the cooled nitrogen by using it as a cooling agent in cooling the compressed mixture, expanding the nitrogen so warmed to a lower intermediate pressure with performance of external work to recool it to a lower temperature than before, using the nitrogen so expanded as a cooling agent in effecting said cooling and partial liquefaction of nitrogen, again expanding the once-expanded nitrogen to substantially atmospheric pressure with performance of external work to recoil it to a low temperature, using the twice-expanded nitrogen so recooled as a further cooling agent in effecting said cooling and partial liquefaction of nitrogen, thereafter using said twice-expanded nitrogen to cool the compressed mixture, and utilizing the separated methane at the intermediate rectification pressure to cool the compressed mixture.

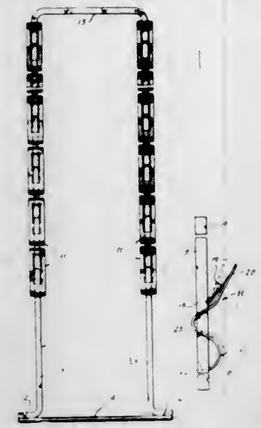
2,583,091
BALING HOOK
Ben Oni Dotterer, Mansfield, Ohio
Application February 10, 1950, Serial No. 143,569
6 Claims. (Cl. 294—26)



1. A baling hook comprising a shank including a sharpened bill formed as an angular extension of the shank and a hump arranged for rocking contact with a package to be hooked by the bill, said bill traveling in the direction of its own length to hook the package on rocking of the hump upon the package, a handle on the shank adapted to manipulate the shank and move therewith in a direction substantially parallel but opposite to the direction of travel of said bill when hooking said package, and a stud projected from said shank on the underside thereof and in a direction parallel to the direction of movement of the handle, said stud being spaced away from said bill and out of contact with said package when the bill is hooked as aforesaid and contacting said package when the bill is raised out of said package by the rocking of said hump.

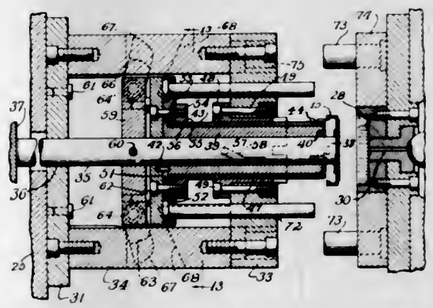
2,583,092
PACKAGE DISPLAY RACK
Asher Dreyfus, Jr., Oklahoma City, Okla.
Application February 3, 1950, Serial No. 142,161
2 Claims. (Cl. 211—71)

1. In a package display rack having an upright provided with vertically spaced notches and a substantially uniform cross-sectional area throughout the length thereof, a clamping member slidably mounted on the upright and formed from a flat strip of resilient material, said strip being bent intermediate the ends thereof to form a V-shaped member, said strip having a slot at each side of the apex of the V-shaped member, said slots being in longitudinal alignment for receiving the upright, one end of the bent strip forming a means for clamping an article onto the upright, the other end of the strip providing a releasing means for rocking the clamping means away from the upright, and a finger projecting



from one end of the slot adjacent the releasing means and having the free end engageable with a notch on the upright, said finger when so engaged acting as a fulcrum upon which the clamping member is rocked.

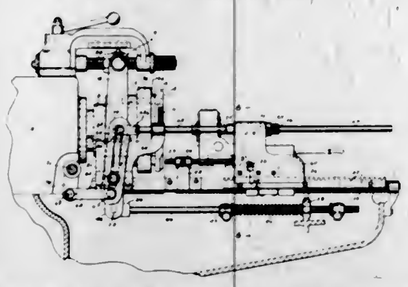
2,583,093
APPARATUS FOR MAKING CLOSURES FOR CONTAINERS
George W. Emmert and Raymond J. Olson, Lincolnwood, Ill., assignors to Federal Tool Corporation, Lincolnwood, Ill., a corporation of Illinois
Application January 26, 1949, Serial No. 72,918
4 Claims. (Cl. 18—30)



3. A molding apparatus for making plastic can closures having rims with inwardly extending interrupted threads, including a mold member having a cavity conforming to the shape of the closure, means for injecting plastic material into the cavity, a relatively movable mold member adapted to be inserted in the cavity and conforming with the inner surface of the closure, said movable mold member including lugs having cavities for forming the interrupted threads which members are interlocked with threads when the closure has been formed, means for rotating said movable mold member with respect to the closure being formed, a sufficient distance to release the lugs from the interrupted threads formed in the closure, and coacting means for then withdrawing said movable mold member a sufficient distance to move the lugs away from and out of

engagement with said closure being formed, the space between the interrupted threads being sufficient to permit such withdrawal of the lugs.

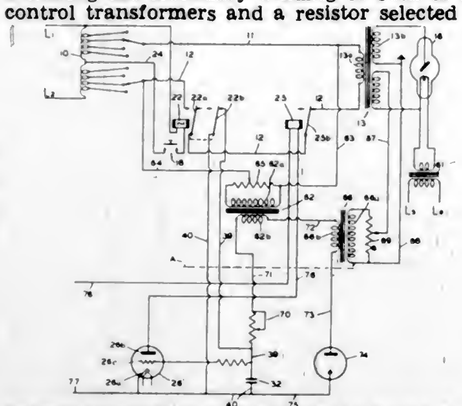
2,583,094
TAPER THREADING MACHINE
Adolph Girz, Cleveland, Ohio, assignor to The Hill Acme Company, Acme Machinery Division, Cleveland, Ohio, a corporation of Ohio
Application April 24, 1948, Serial No. 23,085
6 Claims. (Cl. 10—89)



1. A taper thread cutting machine, comprising a frame, a rotatable die head mounted therein and provided with radially adjustable taper thread cutting dies and an annularly grooved ring for adjusting them, a carriage mounted upon the frame for movement longitudinally thereof toward and from the die head and provided with means for supporting work to be threaded, a support mounted upon the frame in a zone opposite the grooved ring and carrying a pivot pin, a two armed lever pivotally mounted upon said pin, an endwise reciprocable control rod extending from one arm of said lever to the carriage, releasable means for connecting the rod to the carriage, operating mechanism connecting the other arm of the lever to said grooved die adjusting ring, and cooperating relatively movable parts, one fixed on the frame and a second carried by and movable with the carriage, the second of said parts being operativey connected to said releasable means and actuated by the first part as the carriage moves toward the die head, thereby to terminate the die adjusting operation.

2,583,095
X-RAY TUBE SAFETY DEVICE
Edwin R. Goldfield, University Heights, and Jack Ball, Cleveland, Ohio, assignors to The Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Original application July 20, 1946, Serial No. 685,095. Divided and this application November 2, 1948, Serial No. 57,988
5 Claims. (Cl. 250—95)

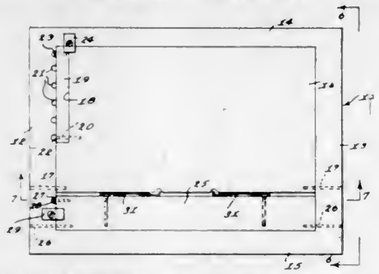
1. In the combination of an X-ray tube having a high-tension tube energizing circuit including a high-tension transformer having primary and secondary windings and including a filament energizing circuit having a filament transformer with primary and secondary windings, means controlling energization of said X-ray tube including a space discharge tube having control electrode means, a first control transformer having a primary winding in circuit with said high-tension transformer primary winding, a second control transformer having a primary winding responsive to the anode current in said X-ray tube, a capacitance in circuit with said control electrode, and a circuit for charging said capacitance including the secondary winding of each of said control transformers and a resistor selected according to the type and focal spot of said X-ray tube.



2,583,096
PROCESS FOR THE PRODUCTION OF HIGH VISCOSITY HYALURONIC ACID
Zareh Hadidian, Needham, Mass., and Norman W. Pirie, Harpenden, England, assignors to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application January 15, 1949, Serial No. 71,228
5 Claims. (Cl. 195—7)

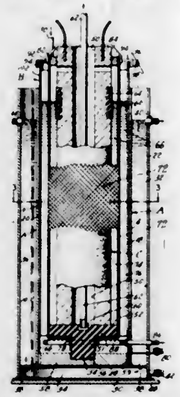
1. The process of recovering hyaluronic acid from a mixture of hyaluronic acid and protein which comprises incubating said mixture with a proteolytic enzyme at 35–40° C., precipitating the hyaluronic acid with alcoholic hydrochloric acid followed by ammonium sulfate and removing the ionic material by dialysis.

2,583,097
STUDENT'S BOOKHOLDER
Henry C. Heimann, Ames, Iowa
Application October 29, 1948, Serial No. 57,301
5 Claims. (Cl. 45—80)



1. A book holder comprising a flat frame formed with a rectangular opening defining end members and front and rear longitudinal side members, a main rectangular plate of substantially the same length as and narrower than said frame opening and positioned rearwardly within said frame opening and leaving a longitudinally elongated space between the front edge of said main plate and the front longitudinal side member of the frame, a secondary rectangular plate positioned within and substantially filling said elongated space, first means pivoting said main plate to the frame end members on an axis parallel to and near the front edge of said main plate, second means pivoting said secondary plate to the frame end members on an axis parallel to and near the front edge of said secondary plate, said main plate being swingable upwardly out of said frame opening to book supporting position and said secondary plate being swingable upwardly and forwardly to rest upon the front longitudinal frame side member in book holding position, and strut means pivoted on said main plate to engage a portion of said frame to maintain said main plate in book supporting position, lateral stop pins projecting from end edges of said main and secondary plate engageable with recess means formed in the upper side of a frame end member whereby said plates are prevented from subsiding below flush relation to said frame when in folded positions in said frame opening.

2,583,098
TREATMENT OF WASTE PICKLE LIQUOR
George W. Heise, Rocky River, Erwin A. Schumacher, Parma, and Howard R. Wilson, Painesville, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 25, 1947, Serial No. 737,000
18 Claims. (Cl. 204—112)



1. Method of treating an acidic iron pickle liquor containing a pickling inhibitor which comprises removing the pickling inhibitor from the liquor, passing this liquor into an electrolytic cell having a cathode upon which iron can plate and a porous anode, and electrolyzing in said cell at a temperature up to 40° C., such a liquor containing at least sufficient mineral acid to give a pH corresponding to 6 grams of sulphuric acid per liter, plating iron from said liquor onto the cathode, passing the liquor through the anode, oxidizing only a portion of the ferrous iron in the liquor at the anode from the ferrous to the ferric state, withdrawing from the cell an effluent which is the pickle liquor after it has passed through the anode and contains ferrous ions but is enriched in ferric ions, and maintaining the anodic current density below that at which gas is released at the anode.

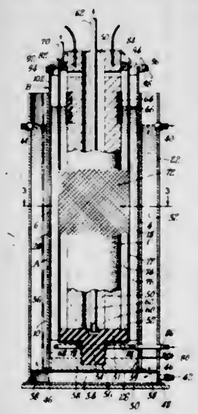
2,583,099
PREELECTROLYSIS TREATMENT OF PICKLE LIQUOR
John P. Oliver, Berea, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application March 25, 1947, Serial No. 737,093
7 Claims. (Cl. 204—112)

1. In the electrolytic recovery of iron from waste pickle liquor resulting from the commercial acid-pickling of iron in the presence of a pickling inhibitor, the step comprising electrodepositing iron on a cathode contacting an electrolyte; the electrolyte comprising the waste pickle liquor providing iron ions in aqeous solution for deposition by electrolysis and also comprising, as an addition agent, a member of the group consisting of nitrous acid, its salts and anhydride.

2,583,100
TREATMENT OF A METALLIC CATHODE TO RECEIVE ELECTRODEPOSITED METAL
Howard R. Wilson, Painesville, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application March 25, 1947, Serial No. 737,092
2 Claims. (Cl. 204—112)

1. In the art of winning iron from an aqueous solution of an iron salt by the electrodeposition of the iron from the salt onto an iron cathode, the method of conditioning the cathode prior to deposition of the iron which comprises subjecting the cathode to the action of aqueous nitric acid only until brown fumes appear from the cathode surface and the surface is given an evenly etched matte finish and presents a dark film, and then preventing further action of the acid, the surface being free of such distinct crystalline etch as to be visible to the naked eye and the amount of treatment corresponding to the immersion of the cathode in an aqueous 5% to 15% nitric acid solution for from 10 to 25 seconds.

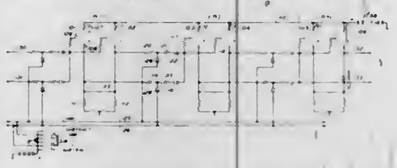
2,583,101
ELECTROLYTIC CELL
John P. Oliver, Berea, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 25, 1947, Serial No. 736,939
5 Claims. (Cl. 204—260)



1. An electrolytic cell comprising an open-top container adapted to hold liquids and oppositely disposed electrodes, at least one of the electrodes comprising a primary current receiving element and a secondary current receiving element, said elements and other electrode extending longitudinally of the cell from the open top toward the bottom of the cell and having conducting portions contacting the electrolyte but ending short of the bottom of the cell, the construction and location of the parts being that: said primary element is a sheet of thin conducting material substantially conforming to the shape of

the other electrode, is slidably removable from the cell as a unit independently of other parts of the electrodes, lies between said secondary element and said other electrode, is positioned to prevent the passage of current directly from said other electrode to said secondary element, and extends farther into the cell than said other electrode the distance between the adjacent conductive ends of the primary element and said other electrode contacting the electrolyte being greater than the distance between the end of the conductive portion of said other electrode and the nearest conductive portion of the primary element; said secondary element is of conducting material, substantially conforms to the shape of said other electrode, lies directly behind and closely adjacent to the primary element and extends farther into the cell than said other electrode, the distance between the adjacent conductive ends of the secondary element and said other electrode contacting the electrolyte being greater than the distance between the end of the conductive portion of said other electrode and the nearest conductive portion of the secondary element; the secondary element being connected into the electric circuit and positioned to receive the current progressively as the primary element is progressively slid out of the cell and both elements receive less current at the ends innermost in the cell than at other places; and cooperating parallel guides on the primary element and secondary element for holding the primary element in the relative position stated and enabling the primary element to be slid past the secondary element and out of the cell through the open top, said guides lying at a greater distance from said other electrode than the primary element.

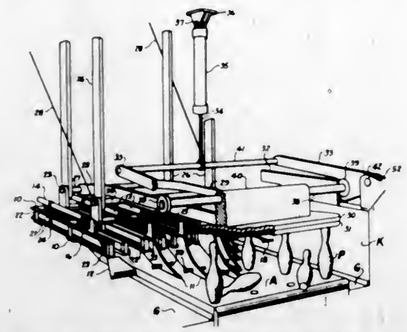
2,583,102
COUNTING SYSTEM
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 24, 1950, Serial No. 175,574
15 Claims. (Cl. 250—27)



1. In a counting circuit, two control conductors, a plurality of stages, first and second means interconnecting adjacent ones of said stages, a unidirectional current conducting device connecting said first means to one of said control conductors, and another unidirectional current conducting device connecting said second means to the other of said control conductors.

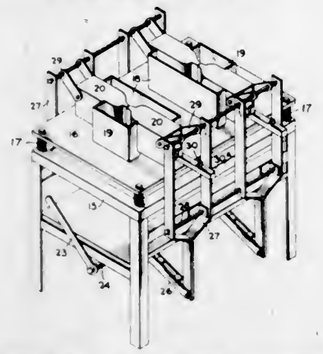
2,583,103
BOWLING PIN CLEARING DEVICE
Howard E. Hutzelman, Wilmington, Del.
Application May 7, 1947, Serial No. 746,429
11 Claims. (Cl. 273—54)

1. In a pin clearing mechanism for the removal of unwanted pins from a bowling alley, the combination of a hold-down pad, a retractable carrier having a series of guide tracks, rigid alley clearing plows and gutter clearing sweeps guided by said tracks, and means of advancing and retracting each of said plows and sweeps at predetermined intervals and means for activating said plows concurrently with the disposition of said hold-down pad in a position to fix standing pins, whereby said plows may be moved forward to remove fallen pins while the standing pins are held upright by said hold-down pad,



said plows being moved simultaneously and said carrier being retractable for the purpose of removal to an out-of-the-way position to permit operation of the alley in bowling.

2,583,104
BLOCK MOLDING MACHINE
Fred P. Jentsch, Buffalo, N. Y.
Application November 15, 1948, Serial No. 60,123
9 Claims. (Cl. 25—41)

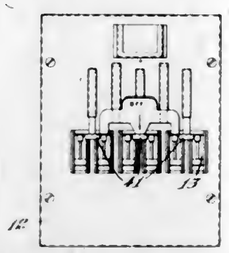


1. A machine for molding concrete blocks, comprising a supporting frame, complemental mold sections disposed in a relatively fixed position thereon and of substantially U-shape in plan with their opposing edges in laterally-spaced relation to define an endwise-opening, longitudinal core passage, opposing core members guided for endwise movement in the passage between said mold sections and forming a longitudinal partition therebetween in their contracted closed position and means operatively connected to said core members for moving them to and from their closed position.

2,583,105
ELECTRICAL DISTRIBUTION BOX
Ernest G. Johansson, Belmont, Mass., assignor to Anchor Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Original application September 20, 1947, Serial No. 775,349. Divided and this application May 21, 1949, Serial No. 94,659
3 Claims. (Cl. 175—308)

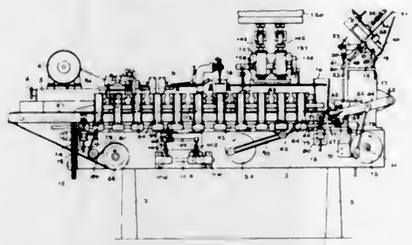
1. A distribution box of the type used to connect an electrical supply circuit to a plurality of

load circuits through circuit breakers with reset levers projecting through frontal apertures in the box cover, the box comprising a bus bar supported on a wall thereof and adapted to be connected to the supply circuit, supporting means fastened to the box and engaging slots in said circuit breakers, and a plurality of conducting straps



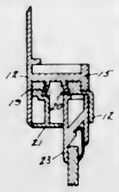
each of which extends from the bus bar to a respective circuit breaker to complete an electrical connection therebetween, said straps being sufficiently rigid to prevent the fastening means from disengaging from the slots thereby to hold the circuit breakers in position and completing the electrical circuit from said bus bars to the respective circuit breakers.

2,583,106
LIQUID PACKAGING MACHINE
Elias Kayat, Hamilton, Ontario, Canada, assignor to Perga Containers Limited, Hamilton, Ontario, Canada
Application January 12, 1948, Serial No. 1,753
15 Claims. (Cl. 226—94)



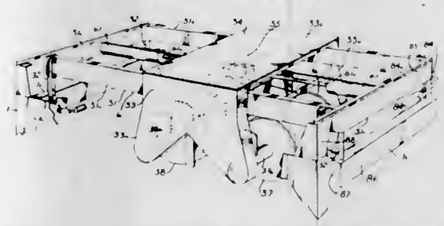
1. In a liquid packaging machine the combination with a bed plate, a feed platform extending longitudinally of the bed plate, a plurality of devices spaced along the bed plate above said feed platform to fill and seal liquid-receiving cartons fed thereto, of a magazine for holding a stack of liquid-receiving cartons comprising a frame supported on said bed plate, carton-engaging rails swingably supported on said frame for movement inwardly and outwardly relative each other and adapted to periodically grip and release said carton stack, means to operate said magazine rails, latch means supported on said magazine frame, means periodically operating said latch means to release the lowermost carton of said stack, gripper means supported by said bed plate and arranged to periodically withdraw the lowermost carton of said carton stack from said magazine at the instant said lowermost carton is released by said latch member and to deposit the carton withdrawn on said feed platform means to operate said gripper means periodically, and feed means supported by said bed plate to periodically advance the cartons deposited on said feed platform.

2,583,107
SASH CONSTRUCTION
Walter M. Krantz, Youngstown, Ohio
Application February 9, 1948, Serial No. 7,205
2 Claims. (Cl. 189—76)



1. Frame element construction for storm window comprising: a body member including a U-shaped channel; a pair of ribs extending from the web of said U in substantially the same direction as the flanges thereof to form three parallel channels; a modifying member in each of the outermost of said channels and adapted to receive the sash of said storm window, said modifying members each having a shallow groove along that side thereof which faces the other modifying member and adjacent the free edges of said ribs, said ribs being substantially parallel with each other throughout the major part of their respective lengths and having a plurality of independent offset portions of each thereof extending out from the plane of each of said ribs toward the respective mutually adjacent modifying members and into the said respective shallow grooves thereof for locking said modifying members to said body part.

2,583,108
CONCRETE SPREADER
William Hurst Lewis, Altadena, Calif., assignor to Standard Steel Corporation, Los Angeles, Calif., a corporation of California
Application June 18, 1945, Serial No. 600,170
5 Claims. (Cl. 94—44)

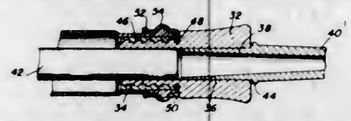


1. In a road machine supported on wheels, a transverse trackway supported by said machine, a carriage supported on said trackway for transverse movement, a screw carried by said carriage and disposed with its axis transverse to the trackway and parallel to the longitudinal axis of the machine, means for rotating said screw, and means for moving said carriage transversely along said trackway.

2,583,109
GUARD FOR CIGARETTE HOLDERS
Thomas C. Luton, Indianapolis, Ind., assignor of one-fourth to Gilbert L. Luton, Evansville, Ind.
Application October 20, 1947, Serial No. 780,813
1 Claim. (Cl. 131—174)

A safety cigarette container comprising a cylindrical body having an axial bore and an externally threaded end portion, said body having a bearing shoulder, a washer carried by the ex-

ternally threaded end portion of said body and abutting the shoulder, an internally threaded sleeve receivably engaging the threaded end portion of said body and clamping the washer against the bearing shoulder, a cylindrical guard having an inner end embracing the sleeve and slidable



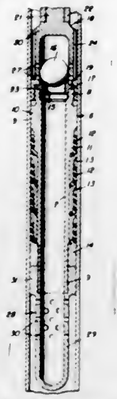
and rotatable on the sleeve, a peripheral rib on the inner end of said guard, and a plurality of spring fingers carried by said washer overlying and yieldingly bearing against the inner end of said guard, said fingers having channeled portions receiving said rib and preventing sliding movement of the guard relative to the sleeve.

2,583,110
REACTION APPARATUS
Alexander F. MacLean, Robstown, Tex., assignor to Celanese Corporation of America, a corporation of Delaware
Application September 11, 1948, Serial No. 48,881
7 Claims. (Cl. 23—285)



1. In apparatus for effecting a catalytic gas/liquid chemical reaction, wherein a gas is passed upwardly through a liquid in the presence of a finely-divided catalyst to agitate the same and to maintain the catalyst particles in suspension therein, a reaction vessel through which the liquid and reactants are passed, said reaction vessel comprising a tube disposed in a vertical plane and having at its upper extremity a head of greater diameter than said tube, a second tube disposed in a vertical plane within said head and being spaced from the inner wall of said head whereby said head is divided into two sections, said second tube having an internal diameter at least as large as said first-mentioned tube, being arranged co-axially with said first-mentioned tube and having the open lower end thereof substantially adjacent to the open upper end of said first-mentioned tube and communicating therewith, and said second tube having an opening therein joining the two said sections, separate means for introducing the liquid and gaseous reactants into the base of said first-mentioned tube, and means connected to said head at a point above the lower end of said second tube for withdrawing liquid from said head whereby the head will be filled with liquid to a point above the lower end of said second tube, the construction and arrangement being such that the second tube receives a mixture of liquid and catalyst from said first-mentioned tube and permits of a flow of liquid free from catalyst into the section around said second tube.

2,583,111
VALVED PISTON FOR DEEP-WELL LIFT PUMPS
Leonard C. Mardis, San Angelo, Tex.
Application April 4, 1949, Serial No. 85,306
2 Claims. (Cl. 103—225)

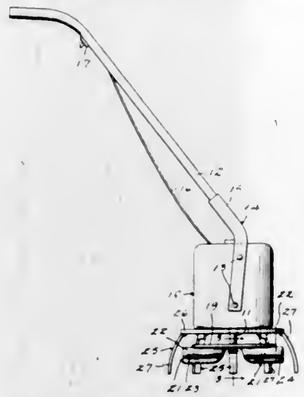


1. In a deep-well lift pump, a valved piston comprising a tubular member having open and externally threaded upper and lower ends, and provided near its upper end with an enlarged portion having a reduced lower part forming a seat for a packing cup, a plurality of packing cups disposed on the outside of said tubular member, the upper one of said cups being engaged with said seat, a plurality of spacers disposed on said tubular member and spacing said cups, a nut screwed on to the upper part of the lower end of said tubular member against the lower one of said cups and holding the cups and spacers thereon in compacted relation, a second nut screwed onto the lower part of the lower end of said tubular member and jambed against the first named nut, a cage having its lower end screwed onto the upper end of said tubular member and provided near its lower end with an internal shoulder, a ball valve in said cage, and a seat member for said ball valve having its lower portion fitted in the upper end of said tubular member and provided with an external flange clamped between the upper end edge of said tubular member and the internal shoulder of the cage, said cage comprising a cap portion provided with means to connect same to a sucker rod, a lower annular portion, uniformly spaced bars connecting the cap and lower portions, and webs between the bars having perforations in their lower portions, said webs being relatively thin and disposed to provide external recesses in the cage between the bars.

2,583,112
PROCESS FOR THE OXIDATION OF ACETALS TO ACIDS
Charles H. McKeever, Glenside, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 22, 1950, Serial No. 202,426
8 Claims. (Cl. 260—413)

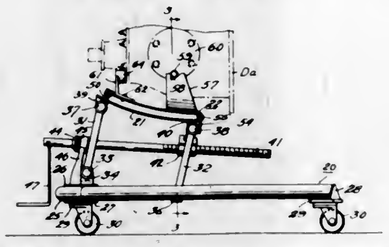
1. A process for converting an acetal of the general formula $RCH(OR')_2$ into an acid of the general formula RCOOH which comprises dissolving said acetal in formic acid, passing oxygen into the resultant solution at a temperature from 0° C. to 100° C. and thereafter isolating said acid, RCOOH, the character R′ in the above formula representing an alkyl group of one to two carbon atoms and the character R in both formulas representing a monovalent, inert organic radical.

2,583,113
GRASS CUTTER
Alvin S. Mogel, Limerick, Pa.
Application February 24, 1948, Serial No. 10,309
1 Claim. (Cl. 30—276)



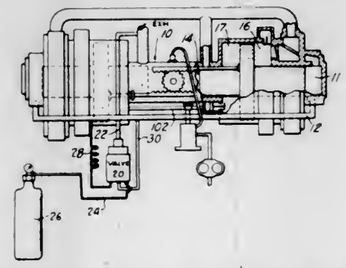
A rotary grass cutter for use with a motor having a shaft which is substantially vertically disposed, a supporting handle fixed to and extending upwardly from said motor, a mounting disk fixed to said shaft, a pair of diametrically opposed cup-shaped blades of plate form, one end of the plate being attached to the underside of said mounting disk and the opposite end being beveled to form a cutting edge, said blade being longitudinally curved in a radial direction, and a guard means including a second disk-shaped plate fixed to the bottom of the motor and having a central opening adapted to loosely receive said shaft, said second plate having a circumference substantially greater than said first mentioned plate and having a plurality of depending fingers to form a guard about said blades.

2,583,114
DIFFERENTIAL JACK AND CARRIER
Bennett D. Monteith, Oklahoma City, Okla.
Application October 16, 1947, Serial No. 780,182
8 Claims. (Cl. 214—1)



1. A differential jack and carrier comprising a portable jack including a substantially V-shaped base with wheels supporting the same providing a three point support, a jig plate base carried by said V-shaped base, a forward and two rear parallel links of substantially equal length pivotally connected with the under side of the jig plate base adjacent to the front and rear ends thereof, a pivot support for the lower end of the front link above the front of the V base, pivot supports for the lower ends of the two rear links in lower positions between the sides of the base to the rear of the front support, means for raising and lowering the same with respect thereto, a jig plate, means for mounting the jig plate on said jig plate base including a horizontal pivotal connection with the jig plate base at the rear thereof, said jig plate having a longitudinal slot at the front end thereof, an upwardly extending adjusting screw in the forward part of the jig plate base having its upper end formed to engage said slot in the jig plate, an operating handle on the lower end of said screw for operating the same for raising and lowering the front end of the jig plate with respect to the jig base plate, and means on said jig plate for engaging and holding an automotive rear end differential assembly.

2,583,115
CONTROL FOR FREE PISTON ENGINES
Willard A. Morain, Hamilton, Ohio, assignor, by mesne assignments, to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application May 24, 1950, Serial No. 163,974
4 Claims. (Cl. 123—46)

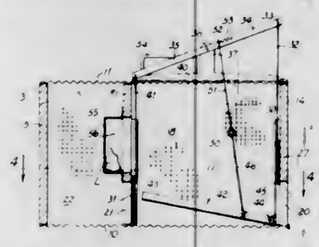


1. In an apparatus for controlling a free piston engine having a chamber in which air is compressed by a movement of the free pistons and subsequently utilized to return energy to the system by re-expansion, the improvement comprising an element subject on one side to the average pressure in said chamber and on the opposite side to a second pressure which reflects an operating characteristic of the free piston engine, a valve seat attached to and movable with said element, a valve normally closed on said valve seat and disposed to follow the movements thereof, means to limit the movement of said valve in one direction to effect a separation of said valve and seat upon continued movement of said seat in one direction, a second valve opened by movement of said first valve in the opposite direction, and means operated in response to an opening of said second valve to admit air to said chamber.

2,583,116
ANIMAL TRAP
Antonino Morici, St. Louis, Mo.
Application June 17, 1949, Serial No. 99,633
2 Claims. (Cl. 43—67)

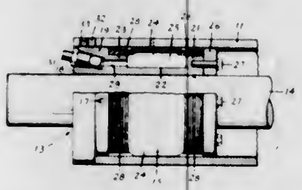
1. In a trap of live cage and self-setting type for rodents and small animals, a cage structure of a generally rectangular plan, and including side walls and front and rear walls, a partial ver-

tical partition within the cage and a second partial partition, said two partitions coacting to form an entrance corridor within the cage structure, the first said partition and the front wall of the cage being provided with substantially spaced openings and the front wall further being provided with a clearing opening, a vertically slidable door for each of said openings, a treadle within the entrance corridor, a pivot for said treadle, and about which the treadle is arcuately movable or depressible under the weight of an animal in the corridor, a bracket above the corridor, a rockable beam pivotally carried by said bracket, a link connecting the front end of said beam to the door controlling the entrance opening, a link connecting the rear end portion of the beam to the door controlling the innermost corridor door, a bail secured to the treadle somewhat spaced rearwardly from the treadle pivot axis, a link connecting the bail to the forward



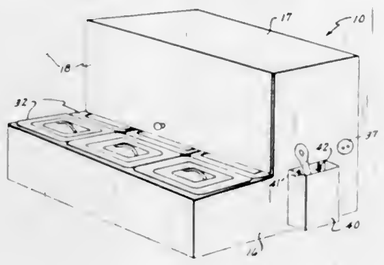
end of the beam, such end of the beam having a series of notches adapted selectively as seats for the outer end of said link whereby to vary the spacing of the link connection with respect to the beam pivot, the weight of the elements connected to, and the inner end of said beam appreciably exceeding the weight of the elements operatively connected to, and the forward end of the beam, such that the inner end of the beam is normally depressed, and the door carried thereby normally closes the inner corridor opening, a box for a bait or a lure above and adjacent to the door serving the inner end of the corridor, the corridor doors being directly positively actuated and oppositely reciprocable under the action of the treadle and the beam, and said inner corridor door being so located that, as the inner corridor opening is cleared by the door therefore, said door moves upwardly toward a position to close the said lure box.

2,583,117
MANDREL
Rene P. Piperoux, Radburn, and John N. Birmingham, Nutley, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
Application June 8, 1950, Serial No. 166,953
5 Claims. (Cl. 242—72)



1. In a mandrel adapted to engage and support a tubular member, a shaft, a fitting mounted on said shaft, a groove extending circumferentially of said fitting, surfaces positioned on each side of said groove and extending circumferentially of said fitting, a sleeve of elastic material fastened to said surfaces and extending across said groove, and a conduit for introducing a fluid under pressure into said groove whereby the sleeve may be expanded into contact with the tubular member.

2,583,118
PORTABLE HOT FOOD CABINET
Francis E. Porambo, Cliffwood Beach, N. J.
Application June 22, 1949, Serial No. 100,691
3 Claims. (Cl. 219—19)

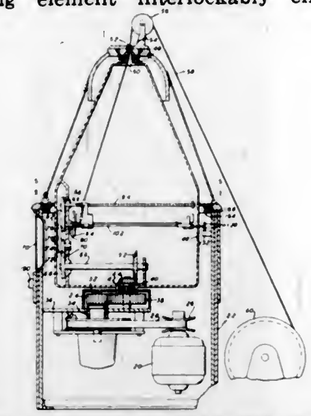


1. A portable hot food cabinet having a lower square box-like section enclosed on four sides and on the bottom, an upper rectangular cabinet-like section mounted to cover approximately half of the lower box-like structure, a plurality of pairs of supporting track-like cross members mounted in parallel relationship across the top of said box-like section but at 90° to the face of said cabinet-like section, a plurality of square shaped food trays having extended rims, said food trays mounted in said box-like section and supported on said track-like cross members by their rims, said food trays mounted in pairs on said track-like cross members, an electric heating element mounted within said box-like section and dispersed evenly over the entire bottom area, a connecting plug mounted in the wall of said box-like section and connected electrically to said heating element, said cabinet-like section being formed with a plurality of shelves and having three sides and the top enclosed, a hinged cover mounted on the front face of said cabinet-like section, means to remove a food tray and in turn slideably move the tray supported on the same track into the position of the tray removed, means to connect an electric circuit to said plug and provide heat throughout the box-like structure, to parts being so constructed and arranged so as to provide a lesser degree of heat in said cabinet-like structure.

2,583,119
APPARATUS FOR FORMING RETRACTILE CORDS
Paul R. Powell, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 19, 1949, Serial No. 111,133
17 Claims. (Cl. 57—71)

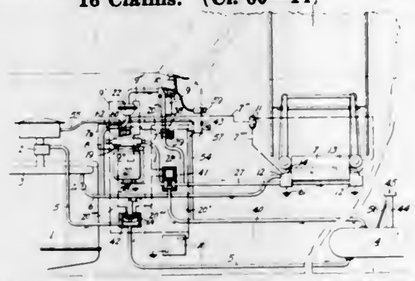
1. An apparatus for forming retractile cords, which comprises a mandrel upon which cordage may be coiled in helical form, and a clamping element for clamping the end of a cord coiled on the mandrel, an end portion of said mandrel and an end of the clamping element being so

constructed and arranged that said end of the clamping element interlockably engages the



mandrel to hold the cord against uncoiling and against movement around the axis of the cord.

2,583,120
ACCESSORY SYSTEM FOR MOTOR VEHICLES
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application January 26, 1949, Serial No. 72,965
16 Claims. (Cl. 60—14)

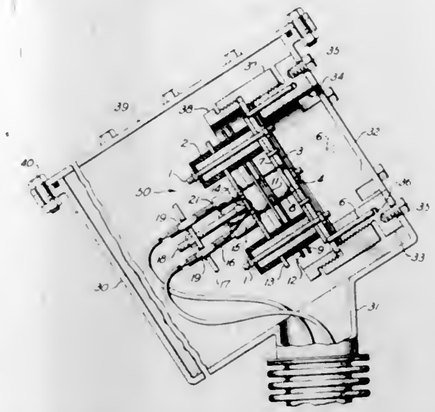


1. A motor vehicle having a power plant with a carburetor, an airtight fuel tank, a fuel line leading from the tank up to the carburetor, said tank having a filling pipe, a closure cap for the pipe, means responsive to the tank pressure for maintaining a given pressure head in the tank, and means responsive to the tank pressure for locking the closure cap in its operative position.

5. A motor vehicle having a power plant with a carburetor, an airtight fuel tank, a fuel line leading from the tank up to the carburetor, a fluid actuated accessory for the vehicle, an electric pump for supplying both the tank and the accessory with operating pressure, valve means normally closing the tank to the pump, an ignition switch for the power plant connected in circuit with the valve means, and means responsive to the tank pressure for opening the valve means when tank pressure replenishment is necessary.

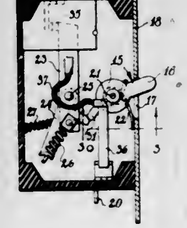
2,583,121
MASS SPECTROMETER ION SOURCE
Frederick L. Reynolds, San Francisco, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application December 29, 1949, Serial No. 135,701
11 Claims. (Cl. 250—41.9)

1. In an ion source mechanism the combination comprising a plate assembly including means for accelerating and focusing ions, and ion producing means, said plate assembly and said ion producing means including cooperating socket



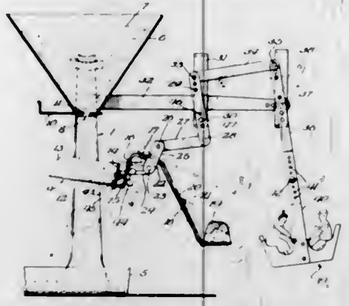
elements whereby said ion producing means is adapted to plug into said plate assembly for ease and rapidity of assembly and disassembly.

2,583,122
CIRCUIT BREAKER SWITCH
Claude Rousseau, Montmagny, Quebec, Canada
Application October 20, 1949, Serial No. 122,430
In Canada October 25, 1948
3 Claims. (Cl. 200—116)



1. In a circuit-breaker device of the character described, a switch member pivotable between open and closed circuit positions, a circuit-closing contact lever pivoted spacedly relative to the switch member and movable arcuately in a plane parallel thereto between circuit-closing and circuit breaking positions, a tripping member pivoted to said lever and movable in a plane parallel to switch member movement, spring means urging the switch member to the open-circuit position, a toggle spring compressed between the lever and one end of the tripping member so as to urge the latter out of alignment with the lever, means releasably engageable between said switch member and said tripping member so as to hold same and the lever in circuit-closing position when the switch member is so disposed, a third spring urging said tripping member and hence the lever out of circuit-closing position against the force of said toggle spring, and a load-responsive device in said circuit movable to release said holding means under overload conditions.

2,583,123
FLUID ACTUATED TOY MOTIVE DEVICE
Arthur Rowley, Green Lake, Wis., and Bernice E. Jones, Oak Park, Ill.
Application October 28, 1949, Serial No. 124,012
11 Claims. (Cl. 46—41)



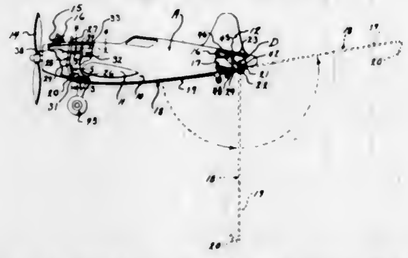
1. A toy fluid actuated motive device comprising a frame, a hopper having a discharge opening from which flowable material is discharged continuously in a stream, a member pivotally mounted on said frame below and off center of the hopper, said member comprising a scoop extending laterally of the pivotal point and below the opening to receive the stream of material continuously, said member also including counterbalancing means on the opposite side of the pivotal point, the center of gravity of said member being so located as to normally urge the scoop to said lateral position, whereby said stream of material acting on said scoop and said counterbalancing means will cooperate to cause said member to oscillate in a continuous and uninterrupted rhythmic motion, a pendulum arm mounted for swinging movement and adapted to have a toy object attached thereto, and driving means connected to said member and said pendulum arm to swing said arm and animate the object during oscillation of said member.

2,583,124
ROTARY ANNULAR ELECTROMAGNET
Achille Carlo Sampietro, known as Achilles Charles Sampietro, London, England, assignor to D. R. Robertson Limited, London, England, a company of Great Britain
Application June 30, 1950, Serial No. 171,311
In Great Britain July 4, 1949
5 Claims. (Cl. 172—284)



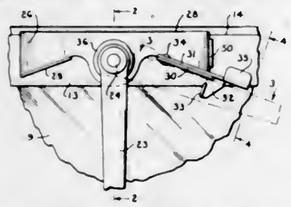
1. An electromagnet for use as a rotary part of a dynamoelectric machine and of the kind having an annular magnetic core the section of which partly surrounds the section of an annular exciting winding, the said winding comprising a strip of metal wound into a tight spiral to form a ring coil of rectangular section in which the turns are separated by insulation, and the coil being locked to an adjacent surface of the magnetic core by at least one key of insulating material disposed at least in part radially and engaged in keyways formed in a side of the coil and in the core.

2,583,125
LANDING RETARDER FOR MODEL PLANES
John K. Shannon, Kenosha, Wis.
Application October 9, 1947, Serial No. 778,822
3 Claims. (Cl. 46—78)



1. In a model, powered, line controlled airplane having a fuselage, landing gear and an engine having an ignition circuit; means for arresting flight of the airplane in landing including a hook pivotally connected at one end of the fuselage adjacent to the tail end of said fuselage and an arresting gear on the ground, said hook embodying an elongated shank and an arresting gear engaging bill, the hook being adapted to normally fit against the fuselage when the airplane is in flight and adapted to swing down below the fuselage and landing gear, time controlled means for releasing the hook to permit the swinging down thereof and means for breaking the circuit to the engine when the hook engages the arresting gear on the ground.

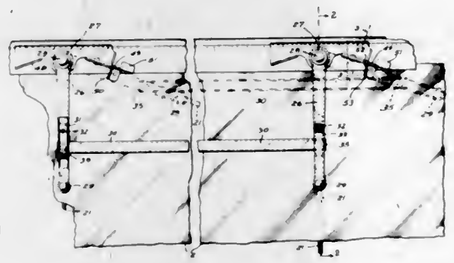
2,583,126
WINDSHIELD WIPER APPARATUS
Theodore J. Smulski, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana
Continuation of application Serial No. 475,482, February 11, 1943. This application November 19, 1945, Serial No. 629,653
14 Claims. (Cl. 15—255)



1. In a hand-operated windshield wiper adapted to be mounted on a windshield which includes a frame having a face portion and adjacent external surface portions offset therefrom, in combination, a wiper mounting assembly including a shaft adapted to extend through the windshield frame and to protrude at the front and rear thereof, a wiper arm member

mounted on the protruding forward end of said shaft, and an operating crank member mounted on the protruding rearward end of said shaft, a wiper blade carried by the arm, and an apparatus located between said windshield frame and one of the members mounted on the shaft, said apparatus having a base portion formed so that it may receive and directly engage such shaft and confined between the windshield frame and the member last referred to by the wiper mounting assembly; an additional portion extending in offset relation to said base portion and constructed and arranged to engage an external offset surface portion of said windshield frame in opposition to engagement of the shaft by the base to prevent substantial rocking of said apparatus about the axis of said shaft, and a stop portion extending in offset relation to said base portion and adapted to limit swinging movement of said wiper about the shaft axis.

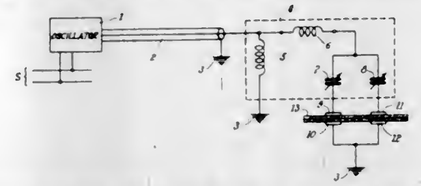
2,583,127
WINDSHIELD WIPER
Theodore J. Smulski, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana
Continuation of application Serial No. 540,476, June 15, 1944. This application August 30, 1950, Serial No. 182,310
9 Claims. (Cl. 15—255)



1. In a windshield wiper, the combination with two parallel shafts extending in a fore and aft direction, of a wiper mounted on the forward end of at least one of the shafts, channeled operating arms connected to the rear ends of the respective shafts for disposition adjacent the inner side of a windshield, operating handles on the arms, connector brackets detachably secured in the channels, each bracket including an end portion that extends between the channel walls and an offset portion that extends beyond the channel walls, and a link pivotally connected at its opposite ends to the offset portions of the respective brackets.

2,583,128
DUAL ELECTRODE TUNING UNITS FOR ELECTRIC BONDING MACHINES
Robert L. Stevenson, Somerville, and John A. Herr, Hillside, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 21, 1947, Serial No. 723,306
3 Claims. (Cl. 219—47)

2. In a system for simultaneously transferring radio-frequency energy to two loads from a single source having one side grounded, a tuning network comprising a Y-connected group of three reactance elements, one of said elements being a fixed inductance connected to the ungrounded side of said source, and the other two elements being variable condensers, each connected to one



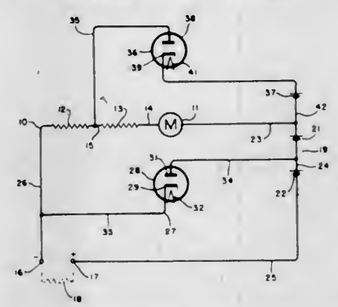
of said loads, said loads and source having a common grounded connection.

2,583,129
ART-STYLE FASTENER FOR PIN-UP DRAWINGS
Winfield A. Worth, Jr., Hyattsville, Md., assignor of one-half to Jeanie H. Worth, Hyattsville, Md.
Application September 13, 1950, Serial No. 184,645
4 Claims. (Cl. 40—20)



1. In combination, a fixed wall, a piece of tapestry or the like hung from said wall, a relatively small base member interposed and concealed between the wall and the reverse side of said tapestry, a fine sharp-pointed brad carried by said base member and projecting therefrom on an oblique angle, the pointed end of said brad piercing and passing beyond the obverse side of said tapestry, a sheet of drawings superimposed against said tapestry and also pierced by said brad, and a dummy spike having a shank with an end-contacting said sheet, said brad being driven axially into said shank, whereby to bind the tapestry and sheet between the base member and shank.

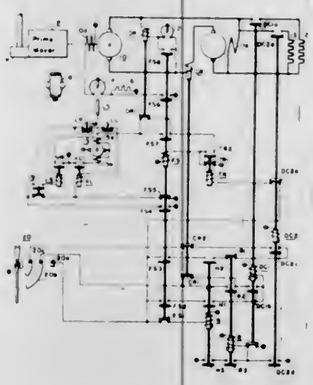
2,583,130
OHM MEASURING INSTRUMENT
Woodrow F. Wrolson, Minneapolis, and Harold Overdick, Hopkins, Minn.; said Overdick assignor to Jerome Wrolson, Crookston, Minn.
Application December 6, 1947, Serial No. 790,072
7 Claims. (Cl. 175—183)



1. An ohm measuring instrument comprising a circuit including a meter responding to current, a source of current and the resistor whose resistance is to be measured, all connected in

series, a circuit shunting said meter and including a source of current and a rectifier in said shunt circuit opposing the flow of current through said shunt circuit from said second source and being adapted to become active when the voltage across said resistor exceeds the voltage of the current source in said shunt circuit.

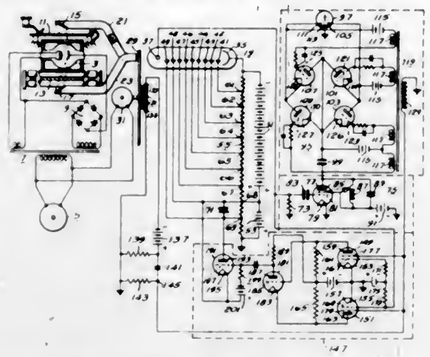
2,583,131
ENGINE-DRIVEN ELECTRIC GENERATING PLANT
Johann Hermann Abbink-Spaink, Bradford, England, assignor to The English Electric Company Limited, London, England, a British company
Application September 20, 1949, Serial No. 116,785
In Great Britain February 16, 1949
15 Claims. (Cl. 290—17)



2. In a control system, in combination, a motor having a field winding, a generator for supplying current to the motor, an engine for driving the generator, an engine fuel controller, shunting means for the motor field winding, control means for controlling the generator excitation, switching means for controlling the operation of said field shunting means, said fuel controller and said control means cooperating to control the operation of said switching means, and relay means responsive to the motor current for also controlling the operation of said field shunting means.

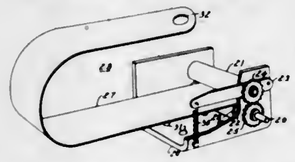
2,583,132
INSPECTION APPARATUS
William Altar, Pittsburgh, and Otto J. M. Smith, Scranton, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 27, 1947, Serial No. 737,606
4 Claims. (Cl. 250—83.3)

1. Apparatus for comparing two articles comprising a source of X-rays adapted to project X-rays on to each of said articles individually, a screen associated with each of said articles and positioned to receive X-rays from said source after passage thereof through the corresponding article, said screens being of a material which converts incident X-radiation into light of a proportional intensity, a photoelectric device having an output circuit associated therewith, means for directing light from said screens on to said photoelectric device periodically so that said screens begin to illuminate said photoelectric device alternately, an amplifier connected to said output circuit to amplify an alternating current therein resulting from unequal light from said screens, an algebraic rectifier operated in phase with said light directing means and connected to said amplifier to convert the output thereof to a direct current of a polarity determined by which



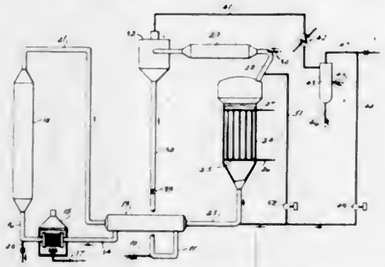
of the screens provides the greater light, the magnitude of said direct current being a measure of the difference of said lights, and a polarized current responsive device connected to said rectifier to be energized by said direct current.

2,583,133
VARIABLE INDUCTANCE
William H. Anderson, Elkridge, and Albert C. Frey, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1947, Serial No. 755,756
6 Claims. (Cl. 171—242)



1. A variable inductor comprising a strap formed into a single loop with one end thereof fixedly anchored, and means for varying the perimeter of said loop to vary said inductance.

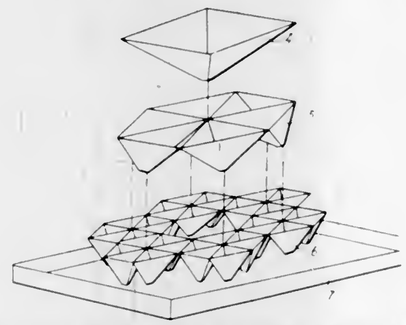
2,583,134
CATALYTIC SYNTHESIS OF HYDROCARBONS
Harold V. Atwell, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 22, 1948, Serial No. 34,533
12 Claims. (Cl. 260—449.6)



1. The method of converting a hydrocarbon feed material into desired hydrocarbon fractions

which comprises reacting said hydrocarbon feed material with a reducible metal oxide at an elevated temperature at which said hydrocarbon feed material is converted into carbon monoxide and hydrogen and the said metal oxide is subjected to reduction, continuing said reduction until a substantial portion of said hydrocarbon is converted into hydrogen and carbon monoxide, continuously passing said carbon monoxide and hydrogen in contact with a hydrocarbon synthesis catalyst, distinct from said reducible metal oxide, in a synthesis zone at an elevated temperature at which desired hydrocarbons are produced, maintaining contact between said reactants and said catalyst until substantial conversion of hydrogen and carbon monoxide occurs into desired hydrocarbon fractions, continually passing said reduced metal oxide through said synthesis zone in contact with said catalyst and reactants, effecting substantial reoxidation of said reduced metal oxide during passage through said synthesis zone, thereafter withdrawing gasiform products of reaction and reoxidized particles of metal oxide from contact with the catalyst and recovering desired hydrocarbons from said gasiform products.

2,583,135
DEVICE FOR MIXING BULKS
Johannes Bakker, Lange Ruige Weide, Netherlands
Application December 23, 1947, Serial No. 793,348
In the Netherlands January 9, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 9, 1966
1 Claim. (Cl. 259—180)



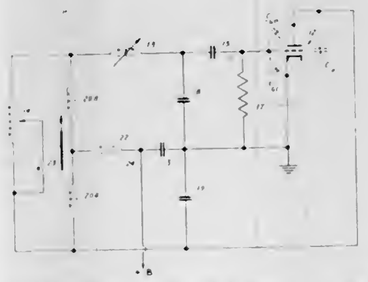
A device for mixing materials which are capable of flowing under the action of gravity which comprises, a plurality of superposed open containers, each of said containers having relatively thin side walls and an outlet opening in the bottom thereof for said material, said side walls being so arranged that the containers are triangular in cross-section in a plane at right angles to the direction of material flow, said containers being arranged in a plurality of superimposed layers, the open top sides of the containers in such a layer lying in a plane at right angles to the direction of material flow, the separating walls between the containers forming in said plane a pattern of intersecting lines, said layers and said patterns in same being so arranged that the material leaving any one container through the outlet opening in the bottom thereof flows towards a point of intersection of the said intersecting lines in the next layer of containers in the direction of flow and thus is distributed to at least three containers, said points of intersection lying in the axis of flow of material coming through said outlet opening of the container positioned directly above it in the next higher layer of said series, whereby material flowing through the outlet in the bottom of said upper container is distributed to at least three containers positioned below it by coming into contact with the sharp edges of said container side walls forming the said pattern of intersecting lines at said point of intersection, which side walls direct said material into the containers whose side walls meet at said point of intersection.

564 O. G.—69

2,583,136
PROCESS OF REGENERATING AN AQUEOUS ALKALI METAL HYDROXIDE SOLUTION
Donald C. Bond, Northbrook, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application September 23, 1944, Serial No. 555,587
3 Claims. (Cl. 23—184)

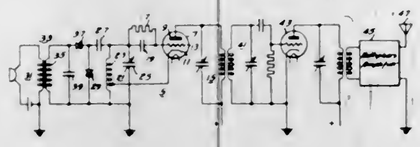
1. In the regeneration of aqueous alkali metal hydroxide solution, containing mercaptides, resulting from extraction of mercaptans from hydrocarbon fluid, by contacting said solution with gas containing free oxygen in the presence of a small amount of a phenolic oxidation promoter in order to oxidize the mercaptides to disulfides and in which regeneration is stopped short of complete oxidation of said mercaptides in order to leave a sufficient amount present in the alkali solution to insure that the promoter is reduced to a non-oxidizing state and not degraded to an inactive state, the improvement comprising using 9-anthranol as the oxidation promoter.

2,583,137
OSCILLATOR
Emmery J. H. Bussard, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Original application April 7, 1950, Serial No. 154,535. Divided and this application January 27, 1951, Serial No. 208,165
3 Claims. (Cl. 250—36)



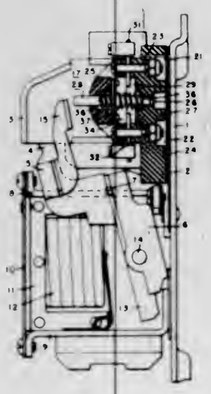
1. In a television receiver tuner, an oscillator comprising an electron tube having at least cathode, grid, and plate electrodes, a grid tank circuit comprising capacitance between said grid and said cathode paralleled by a series combination of two inductors, a plate tank circuit comprising capacitance between plate and cathode paralleled by a series combination of two inductors, one of the two inductors included in each tank circuit being common to both and being electrically disposed between said cathode and the junction of the remaining two inductors, said common inductor providing magnetic coupling between said plate and grid tank circuits.

2,583,138
FREQUENCY MODULATOR
John M. Carter and John R. Boykin, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 26, 1946, Serial No. 718,498
16 Claims. (Cl. 332—29)



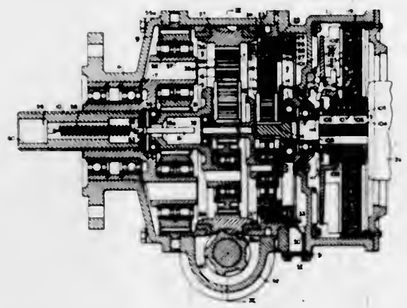
13. The combination of a generator of electrical oscillations, a frequency determining circuit for said generator, a modulation network including a low-capacitance crystal shunting said frequency determining network, a source of modulation signals connected to said modulation network, an output translating device, and a frequency multiplier connected between said generator and said output translating device and adapted to multiply the output oscillation frequency from said generator before feeding said translating device.

2,583,139
AUXILIARY CONTACT DEVICE FOR ELECTRIC CONTACTORS
Delbert Ellis, Beaver, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 1, 1949, Serial No. 124,921
8 Claims. (Cl. 200—166)



1. An auxiliary contact device for electric contactors, comprising an insulating base member, an insulating top member disposed on said base member and forming together therewith a cavity, a plunger displaceably engageable with said two members and extending through said cavity, a movable contact member reversibly mounted on said plunger in said cavity and having two selective positions on said plunger for make and break operations respectively, biasing spring means disposed on said plunger in said cavity, two stationary contact members to be electrically interconnected by said movable contact member, said base member and said top member forming between each other two seats on opposed sides respectively of said cavity to accommodate said respective stationary members for one of said operations, said top member having two openings at opposite sides respectively of said cavity for accommodating said respective stationary members for the other operation, two spaced fastening screws traversing said top member and base member at said respective seats, and said two stationary contact members having respective holes engageable by said respective screws when said stationary members are located at said seats and when said stationary members are placed in said respective openings of said top member.

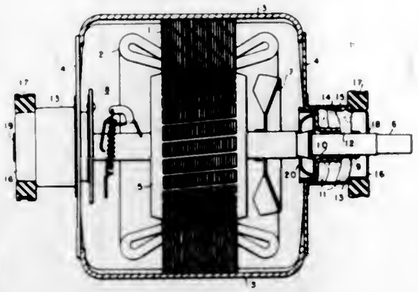
2,583,140
MECHANICAL APPARATUS
Harry D. Else, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 4, 1949, Serial No. 125,558
11 Claims. (Cl. 74—801)



1. In a planetary gear system, the combination of, a driving pinion, a plurality of planet gears, a planet carrier supporting said planet gears circumferentially spaced about said driving pinion in mesh therewith, means mounting said planet carrier for rotation about an axis coaxially disposed of the axis of rotation of said driving pinion, an internally toothed ring gear disposed about said planet gears in mesh therewith, said ring gear having a radially projecting flange around the periphery thereof, a bearing structure having an annular recess for receiving said flange with the sides of said flange in sliding engagement with said bearing structure, said bearing structure permitting radial displacement of said flange and ring gear therein, a housing for the planetary gear system, and friction means frictionally connecting said ring gear with said housing.

2,583,141
BEARING ASSEMBLY
Raymond W. Esarey, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 14, 1949, Serial No. 104,687
4 Claims. (Cl. 308—132)

1. A bearing assembly comprising a support, a sleeve bearing mounted in said support, a housing member secured to the support and enclosing the bearing, wicking disposed in the housing member for lubricating the bearing, and said housing member having an integral, inwardly-projecting portion partially severed therefrom and bent inward to engage said wicking to apply radial



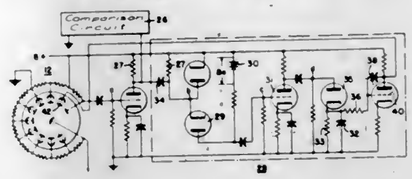
pressure to the wicking and to provide an opening for supplying lubricant to the wicking.

2,583,142
BALL POINT FOUNTAIN PEN
Herman C. Frentzel, Milwaukee, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application November 15, 1945, Serial No. 628,768
11 Claims. (Cl. 120—42.03)



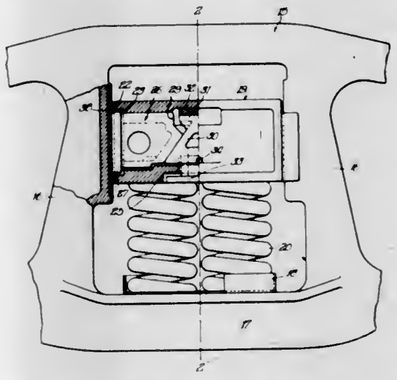
1. In a ball-point writing instrument, a barrel having a clip-receiving recess, an ink cartridge unit including a ball writing point mounted in said barrel and reciprocable lengthwise thereof alternately to propel said writing point from and retract it into said barrel, means including a pushbutton at the rear end of said barrel for propelling said unit, spring means for retracting said unit, laterally movable latch means in said barrel movable by movement of said propelling means into position latching said propelling means in propelled position, said latch means being manually releasable, and a pocket clip connected with said latch means for movement thereby into said clip-receiving recess by movement of said latch means into latching engagement with said propelling means and for movement from said recess and rendered effective for clipping by movement of said latch means from latching engagement with said propelling means for retraction of said unit.

2,583,143
SENSITIVITY REGULATOR FOR PHOTOMULTIPLIER TUBES
Harvey L. Glick, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 17, 1948, Serial No. 65,947
6 Claims. (Cl. 250—207)



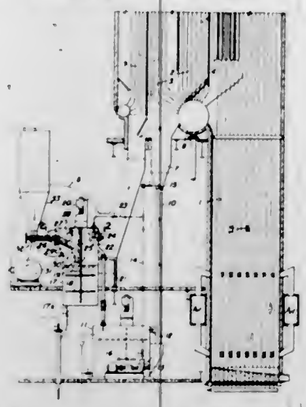
1. In combination, a photomultiplier tube, connections for deriving a predetermined standard potential, comparing means adapted to compare the output potentials of said photomultiplier with said standard potential across said connections, means capable of applying the difference between the maximum potential produced by said photomultiplier and the potential across said connections to a dynode of said photomultiplier so as to vary the gain of said photomultiplier.

2,583,144
RAILROAD CAR TRUCK
Karl M. Hamilton, Chicago, Ill.
Application December 26, 1944, Serial No. 569,861
12 Claims. (Cl. 105—197)



1. In a railroad car truck, a spring supported truck bolster provided with transversely disposed pockets in its ends open at the sides of the bolster, the pockets intermediate the ends having openings through the bottom of the bolster; a pair of friction blocks arranged in each pocket and slidable through the open ends thereof, the inner ends of the blocks being tapered to slope upwardly toward each other and offset inwardly at their tops to provide a recess between the blocks; and a wedge member, arranged above the bottom opening of each pocket, provided on opposite sides with upwardly tapering surfaces matching the inner tapered ends of the friction blocks and arranged therebetween, the upper end of each wedge member having a laterally enlarged head portion arranged in the recess between each pair of friction blocks in overlapping relation with the inner ends of the friction blocks whereby the operative relation between the wedge members and their respective friction blocks is maintained.

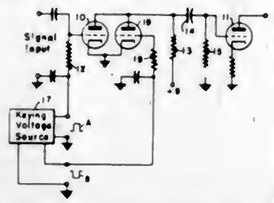
2,583,145
CHEMICAL FEEDER FOR BLACK LIQUOR RECOVERY SYSTEMS
Frank W. Hochmuth, Brooklyn, N. Y., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application October 15, 1947, Serial No. 779,927
3 Claims. (Cl. 23—262)



1. In a system for recovering chemical from the black liquor of wood pulp mills, the combination of a boiler heated by combustion gases produced by a burning of said liquor and including a pass wherein pressure is below atmospheric value, an evaporator for concentrating the black liquor coming into the system, a salt cake mixing tank receiving said concentrated liquor from the evaporator, a screen positioned in the upper portion of said tank, feeder means for delivering incoming salt cake upon the screen whereby fine particles thereof will pass through the screen while oversize salt lumps will be rejected by the screen, a trough leading from the screen to the tank exterior and to atmosphere and serving to carry said rejected salt lumps out of the tank, partition means dividing the tank's upper interior into two compartments the first of which includes said trough plus communicating space embracing the feed side of the screen and the second of which includes another portion of the aforesaid upper tank interior that is in communication with the discharge side of said screen, an exhauster conduit opening into said second compartment, and means connecting said conduit with said boiler pass whereby the aforesaid sub-atmospheric pressure in that pass creates in the conduit and second compartment a suction which draws through said screen from the feed to the discharge side thereof air that carries away from the screen liquor vapors and salt dust which otherwise would cause clogging of the screen openings.

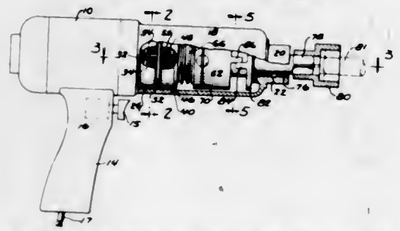
2,583,146
KEYING SYSTEM
Mark I. Jacob, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 6, 1949, Serial No. 108,961
4 Claims. (Cl. 250—27)

1. An electronic keying circuit comprising two, similar, electron tube units having plates directly connected together, having cathodes directly connected together, and having control grids; an electron tube having a control grid, resistance coupled to said plates, and keying means for applying direct current biasing pulses to the control grid of one of said units, and for applying direct current biasing pulses, out-of-phase with



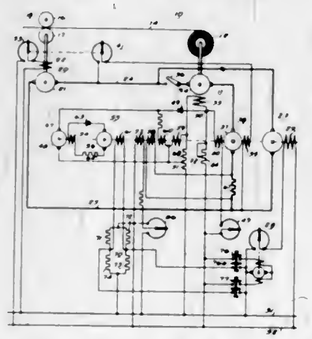
said pulses, to the control grid of the other of said units.

2,583,147
ROTARY IMPACT TOOL
Reuben A. Kaplan, Owatonna, Minn.
Application February 1, 1949, Serial No. 73,955
7 Claims. (Cl. 192—30.5)



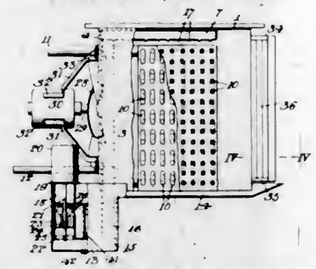
1. An impact wrench comprising a drive shaft and a spindle, a hammer rotatable and reciprocable on said spindle, and connecting means between the shaft and the hammer comprising a hub rotatable on the spindle, a yielding connection between the shaft and the hub, a driven member rotatable on the spindle, a positive connection between the hub and the driven member, a cam connection between the driven member and the hammer operative upon relative rotation therebetween to move the hammer longitudinally of the spindle, and an accumulator spring stressed by such longitudinal movement of the hammer.

2,583,148
REEL MOTOR CONTROL SYSTEM
Albert W. Kimball, Snyder, N, Y., and Eugene F. Allbert, Turtle Creek, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 24, 1946, Serial No. 705,463
10 Claims. (Cl. 242—75)



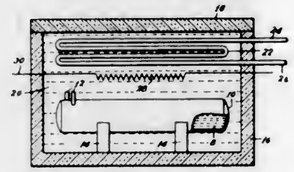
1. In a control system for a reel drive, a reel motor having an armature connected to drive the reel and having a field winding, circuit means connecting the armature to a source of electrical energy, additional circuit means connecting the field winding to a source of electrical energy to provide a minimum safe value of field current, and regulating means responsive to the load on the reel motor connected to vary the energization of the field winding to maintain a predetermined tension in material wound on the reel.

2,583,149
EVAPORATIVE FLUID COOLING APPARATUS
Hyman Malkoff, Trenton, N. J., assignor to Kramer Trenton Company, Trenton, N. J., a corporation of New Jersey
Application October 19, 1948, Serial No. 55,280
9 Claims. (Cl. 62—139)



1. Apparatus of the character described comprising, a coil, a water reservoir, a conduit for distributing water from the reservoir to the outer surface of the coil, and pumping mechanism adapted to cause water to flow from the reservoir through said conduit, said pumping mechanism comprising, a housing having a water inlet in the side thereof, a motor drive shaft within the housing, an impeller fixed to the shaft, and at least one vane positioned within the housing adjacent the impeller and lying in a plane substantially parallel to the longitudinal axis of the shaft to resist swirling of the water within the housing when the impeller is rotated.

2,583,150
STYRENE-POLYESTER COPOLYMER FOR PHOTOELASTIC STUDIES
Herbert F. Minter, Newton C. Foster, and Milton M. Leven, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 4, 1947, Serial No. 789,748
9 Claims. (Cl. 260—45.4)

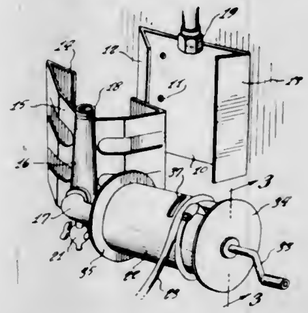


1. In the process of polymerizing a relatively large body of a completely polymerizable thermosetting liquid composition into a homogeneous solid, the liquid composition composed of an alkyd resin which is a polyester of a polyhydric alcohol and an alpha, beta-ethylenically unsaturated dicarboxylic acid and a liquid polymerizable monomer having the group $H_2C{=}C<$, the steps comprising dissolving a polymerization catalyst composed of an organic peroxide in the liquid composition, placing the catalyzed liquid composition in a convex cylindrical glass container to substantially fill it, sealing the container against entry of atmospheric gases and moisture, maintaining the glass container and the catalyzed composition therein at a temperature of between 5° C. and 18° C. in the substantial absence of photo-catalytic light, the temperature being related to the internal dimensions of the glass container by the empirical equation

$$T° \text{ C.} = 50/D$$

where D is the least major internal dimension of the glass container, D having a value of from 10 inches to 3 inches, containers where D has a value of 10 inches and greater being maintained at 5° C. and containers with D less than 3 inches being maintained at a temperature not exceeding 18° C., the containers being maintained at the temperatures indicated for at least 4 days, then the temperature being slowly raised at a gradually increasing rate so that a temperature of 40° C. is reached in approximately the same number of days as the number of inches for D, but in not less than two days, then raising the temperature at a constant rate from 40° C., but not in excess of ¾° C. per hour for containers where D is 10 inches and over, and not in excess of 2° C. per hour for containers where D is 3 inches and less, the maximum rate of temperature rise between these values being inversely proportional to the values for D, to an elevated temperature of from 110° C. to 160° C. and holding at the elevated temperature for at least from 4 to 1 days, the longer times being employed at the lower temperature, until the liquid composition has been fully polymerized into a homogeneous resin solid, and slowly cooling the solid to room temperature at a rate preventing stresses being set up in the resin solid.

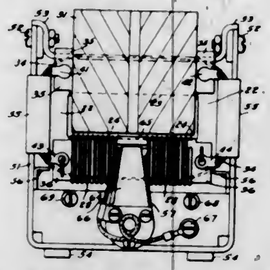
2,583,151
GARDEN HOSE REEL ASSEMBLY
Ralph Leroy Moonshower, Huntington, Ind.
Application July 30, 1949, Serial No. 107,757
1 Claim. (Cl. 299—78)



A hose reel assembly comprising an attaching plate adapted to be secured to a vertical wall surface, said attaching plate having inwardly extending wing portions, a bracket having portions adapted to fit the inwardly extending wing portions of the attaching plate to be releasably secured thereto, a water receiving fitting connected to the bracket and adapted to have a water supply hose connected thereto, an elbow extending from the water receiving fitting, a hollow shaft connected to the elbow for receiving water, crank means connected to said shaft and having an outwardly extending water delivery pipe arm, a reel journalled on said shaft, said pipe arm extending radially through the reel and to the exterior thereof and in driving relationship therewith and releasable coupling means between the shaft and the axle portion of the crank means to

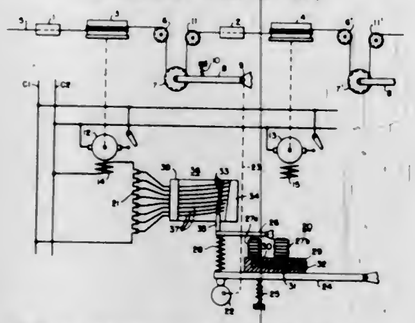
permit the rotation of the crank means and the reel relative to the shaft, said axle portion of the crank means being hollow and in water supply connection with the pipe arm.

2,583,152
ADJUSTABLE VOLTAGE TRANSFORMER
Charles E. Nobles, Baltimore, and Reuben Lee, Linthicum Heights, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 4, 1947, Serial No. 784,034
2 Claims. (Cl. 171—119)



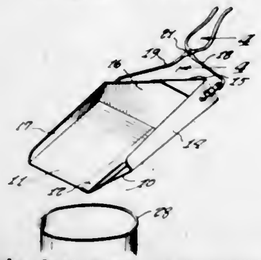
1. In an electrical transformer, a magnetic core structure comprising a closed magnetic circuit path having two parallel winding legs, a primary winding comprising two winding portions connected in series circuit relation, one of the two primary winding portions being positioned about one of the two winding legs of the core and the other of the two primary winding portions being positioned about the other of the two winding legs of the core, a secondary winding positioned about one of the primary winding portions on one winding leg of the core, a slidable contact arm carrying a contact member at one end thereof for engaging a selected one of the conductor turns of the other of the two primary winding portions, said arm and contact member being adjustable for connecting a circuit conductor to a selected turn of the primary winding portion for adjusting the ratio between the input voltage and the output voltage of the transformer.

2,583,153
REGULATING APPARATUS
William O. Osbon, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 24, 1948, Serial No. 67,153
6 Claims. (Cl. 74—54)



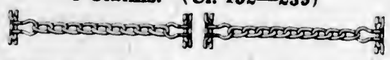
6. Motion transmitting apparatus comprising, in combination, a pair of pivotally mounted levers, a flexible bellows connecting one of said levers to the other of said levers at points removed from the pivot axes thereof, said points being located so that the ratio of the ratio of the moment arms of the other of said levers to the ratio of the moment arms of said one lever is greater than unity, a second flexible bellows, means including an orifice connecting said bellows, said bellows being filled with a suitable fluid medium, a spring connecting said levers for biasing said levers to a predetermined angular relationship, angular movement of one of said levers effecting angular movement of the other of said levers.

2,583,154
DUSTPAN
Josephine Pape, Reno, Nev.
Application July 7, 1950, Serial No. 172,519
1 Claim. (Cl. 65—20)



A foldable dust pan construction comprising dust pan parts and a hinge connecting the edges of the dust pan parts together and raised back portions on the respective parts overlapping one another as the parts are folded one upon the other and means for effecting the folding of the parts, said hinge comprising a flexible rubber strip having slots in the side edges thereof receiving respectively the edges of the dust pan parts and a weakened central portion to permit the parts to be folded and to prevent the escape of the dust particles from between the parts when they are folded.

2,583,155
ANTISKID CHAIN
Humphrey F. Parker, Buffalo, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y.
Application July 9, 1947, Serial No. 759,780
3 Claims. (Cl. 152—239)

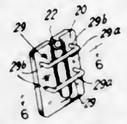


1. A set of tire chains consisting of a pair of tire chains adapted to be mounted upon laterally oppositely paired wheels of a vehicle, said chains including cross chains disposed to extend substantially normal to the direction of wheel rotation and formed of twisted link chain stock, the cross chains of one of said tire chains being of simple flat looped type chain links all of simple flat looped type which are twisted in the same direction, and the cross chains of the other tire chain being of chain links all of which are twisted in the opposite direction.

2,583,156
SUPPORT FOR ARTIFICIAL TEETH
Leon Pentel, Forest Hills, N. Y.
Original application June 2, 1948, Serial No. 30,680. Divided and this application May 11, 1951, Serial No. 225,859
6 Claims. (Cl. 32—9)

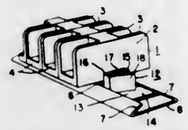
1. A backing plate for an artificial tooth for attachment to a dental bridge or similar support,

said backing plate comprising a flat portion having a hollow, key-shaped elongated rib on its front face and forming a socket to telescopically receive a conformingly shaped projection on the bridge or support; said rib being adapted to be molded



into the material of the artificial tooth engaging the front face of such portion; and a loop member extending along such front face across said rib; said loop member being adapted to be molded into the tooth material for additional interlocking of the plate and tooth.

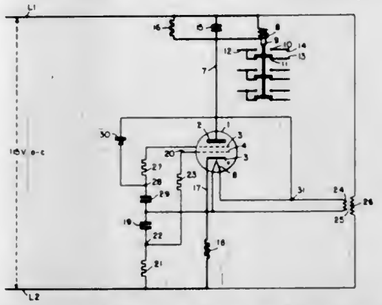
2,583,157
MOUNTING CLAMP FOR TERMINAL BLOCKS
Lawrence Pierce, Swissvale, and John C. Ponstingl, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 17, 1948, Serial No. 39,358
1 Claim. (Cl. 189—36)



An adjustable clamp assembly comprising in combination, a channel member having inwardly projecting sides forming a dove-tail slot, an L-shaped member of sheet material having a base portion slidably fitted between the bottom corners of said slot and having a substantially vertical section projecting above the top of the sides of said slot and being disposed transversely thereof between said sides, a U-shaped spring of flat spring material, one leg of said U-shaped spring being longer than the other and being of a dimension from the bottom of said U-shaped spring to the extremity of said one leg which is greater than the distance between the confronting edges of said slot, said U-shaped spring being positioned over said vertical section, the internal dimension across the bight of the U-shaped spring corresponding to the thickness of said vertical section whereby the legs of said U-shaped spring at least adjacent said bight slidably engage opposite faces of said vertical section, the outer surface of said bight and the extremity of said one leg engaging opposite edges of said slot to secure said L-shaped member against movement in a direction to engage the face thereof adjacent said one leg with said one leg.

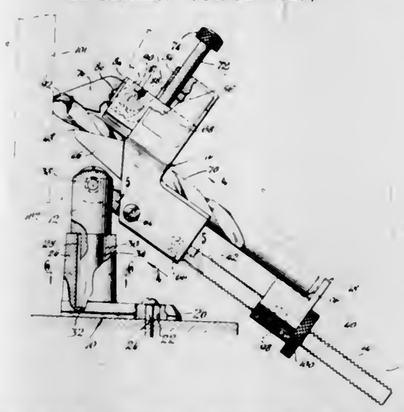
2,583,158
SUBSYNCHRONOUS INTERMITTENT-VOLTAGE APPARATUS
Delos J. Reynolds, Chicago, Ill., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1949, Serial No. 102,236
1 Claim. (Cl. 315—355)

A subsynchronous intermittent-voltage apparatus adapted to provide a succession of intermittent voltage-impulses which become effective during non-successive cycles of a single-phase supply-circuit, comprising: a controlled electronic device of a sustained-discharge type, said electronic device comprising a plate-cathode circuit and a control-circuit, said plate-cathode circuit remaining non-conductive until a predetermined firing-voltage condition is obtained in the control-circuit at a time when an adequate positive voltage is applied to the plate, said plate-cathode circuit thereupon firing and maintaining its firing condition until its plate is no longer sufficiently positive with respect to its cathode; circuit-means adapted to energize said plate-cathode circuit from the single-phase supply-circuit; a control-circuit capacitor in the control-circuit; means for providing a discharge-circuit in shunt-circuit relation to said control-circuit



capacitor; means responsive to a firing condition of said plate-cathode circuit for building up a blocking charge on said control-circuit capacitor, whereby the control-circuit, after the cessation of that firing-period of the electronic device, will not subsequently reach a firing-voltage condition until said control-circuit capacitor has discharged to a predetermined amount, the discharging time of said discharge-circuit being long enough to prevent firing of said electronic device during a required number of supply-circuit cycles; and means responsive to the successive firing and non-firing periods of said electronic device for deriving therefrom the required succession of intermittent voltage-impulses.

2,583,159
DRILL GRINDING APPARATUS
Nels H. Swanson, Chicago, Ill.
Application October 8, 1948, Serial No. 53,434
11 Claims. (Cl. 51—219)



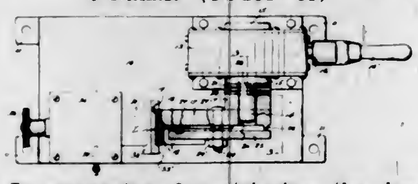
2. A drill sharpening attachment for supporting a drill in operative grinding relation with a grinder comprising a pedestal base having a generally triangular socket formed therein, a drill holding cradle, a swivel post having a portion oscillatable in said socket, supporting means

for said cradle secured to said post in a plane offset from the axis of oscillation of the post and oscillatable therewith about the said axis for presenting a drill in the cradle to said grinder eccentrically to effect sharpening of the same with a predetermined clearance at the heel portion thereof, and wall forming means interposed between one wall of said socket and the portion of the swivel post received in said socket, said wall forming means including a part flexed by said swivel post when the latter is engaged in said socket so as firmly to engage the post and frictionally to resist movement of said post relative to said base.

2,583,160
POROUS ZIRCON REFRACTORY AND METHOD OF MAKING
Everett A. Thomas, North Tonawanda, N. Y., assignor, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 15, 1947, Serial No. 735,028
8 Claims. (Cl. 106—41)

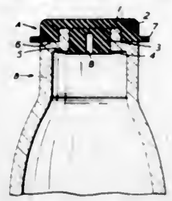
1. The method of making a porous zircon refractory which comprises firing a mass comprising zircon, a pore-forming organic material and the mineral hectorite as a binder, to a temperature sufficiently high to burn out the pore-forming material and sinter the remaining material to a refractory porous mass.

2,583,161
BRAKE SHOE LINING STRIPPER
Joseph V. Urbano, Newark, N. J.
Application September 8, 1949, Serial No. 114,598
2 Claims. (Cl. 164—38)



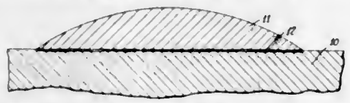
1. In apparatus for stripping the bonded linings from brake shoes by means of a stripping tool blade supported to present its cutting edge tangent to the face of a brake shoe body as operated upon by the apparatus, a rotatably mounted driven shaft, a brake shoe carrier having an arcuate external seating face adapted to fit the internal face of a brake shoe body and an axial attaching socket concentric to the seating face adapted to receive the driven shaft, means for connecting the carrier to the driven shaft for rotation therewith, and clamping means associated with the carrier for securing a brake shoe fixedly in operational position on the seating face thereof, said clamping means comprising a clamping plate opposed to the outer side of the carrier for reception of the medial rib of a brake shoe body therebetween, an arcuate row of spaced gripping studs projecting from the inner side of the clamping plate whereby to engage and grip the brake shoe rib, a fulcrum lug projecting from the carrier to pivotally support said clamping plate, and clamp bolt means extending from said carrier through the clamping plate and located intermediate the row of gripping studs and said fulcrum lug, said clamp bolt means being operative to draw the clamping plate and its gripping studs toward the carrier whereby to grip the brake shoe rib therebetween.

2,583,162
STOPPER FOR CONTAINERS
Evelyn I. Vérel, Stirling, Scotland
Application July 27, 1950, Serial No. 176,102
3 Claims. (Cl. 215—47)



1. A stopper for a container, made as an integral unit from resilient material and comprising a plug-like body, a laterally extending crown thereon having a peripheral skirt surrounding a portion of the length of the body and laterally spaced therefrom, and at the end of the body remote from the crown a laterally projecting flexible peripheral flange, the projecting area of said flange being at least substantially equal to the area of the end of the main plug body remote from the crown.

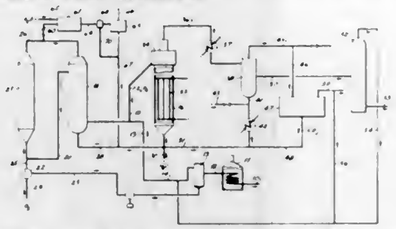
2,583,163
ALLOYING PROCESS IN BONDING OF METALS
Rene D. Wasserman, New York, N. Y.
Application May 6, 1944, Serial No. 534,463
1 Claim. (Cl. 117—71)



A welding or like bonding process in which a base metal is to be surfaced with a weld metal which process consists in supplying first a relatively thin layer of a bonding metal to the surface of said base metal and allowing under application of heat below the melting point of the base metal at least one ingredient of said bonding metal to alloy itself with at least one constituent of said base metal to which said ingredient has a high degree of affinity, providing thereby an intermediate alloy stratum having a melting point below the melting point of said base metal and that of said bonding metal, then melting onto said alloy stratum a weld metal to thereby bond said weld metal to said base metal with said alloy stratum positioned therebetween, and thereafter applying to the layer of weld metal another layer of a different weld metal having a higher melting point.

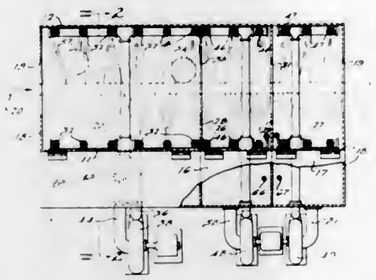
2,583,164
PRODUCTION OF LIQUID HYDROCARBONS, OXYGENATED HYDROCARBONS AND THE LIKE
Claude W. Watson, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application September 8, 1949, Serial No. 114,620
21 Claims. (Cl. 260—449.6)

1. In the synthesis of desired fractions of hydrocarbons, oxygenated hydrocarbons and mixtures thereof, wherein synthesis gas comprising hydrogen and carbon monoxide is prepared by the partial oxidation of a hydrogen-containing carbonaceous feed material and thereafter subjected to catalytic conversion into said desired product fractions, the improvement which comprises generating said synthesis gas by contacting said carbonaceous feed material with a readily reducible oxide of a metal which is catalytically active for the synthesis of hydrocarbons from hydrogen and carbon monoxide, at an elevated temperature such that said metal oxide catalyst is reduced and the carbonaceous feed material is thereby partially oxidized to form synthesis gas composed essentially of hydrogen and carbon monoxide, thereafter contacting said synthesis gas with said reduced synthesis catalyst in a synthesis zone at a temperature in the range at which the catalyst is active to produce said desired product fractions thereby oxidizing the reduced catalyst, and employing the oxidized catalyst from the synthesis zone to effect said oxidation of said carbonaceous feed material.



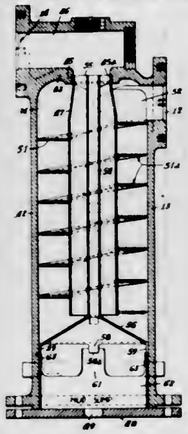
5. The method of converting carbonaceous feed materials containing hydrogen into desired hydrocarbon fractions which comprises reacting said carbonaceous feed material with a readily reducible oxide of a metal which is catalytically active for the synthesis of hydrocarbons from carbon monoxide and hydrogen under conditions including an elevated temperature at which the carbonaceous feed material is oxidized to hydrogen and carbon monoxide, reducing the temperature of the resulting mixture of product gases comprising H_2, CO and reduced oxide by indirect heat exchange with said carbonaceous feed material being supplied for oxidation by said readily reducible oxide to form hydrogen and carbon monoxide as aforesaid, thereby effecting liberation of exothermic heat energy and formation of desired synthetic hydrocarbons in the said mixture during said temperature reduction.

2,583,165
CLEANING COMPOSITION
Charles A. Campbell, Detroit, Mich., assignor to Solventol Chemical Products, Inc., Detroit, Mich., a corporation of Michigan
Application December 30, 1948, Serial No. 68,350
13 Claims. (Cl. 252—118)



1. A cleaning bath for cleaning metal parts, comprising an unstable mixture of an unemulsified water insoluble grease solvent the major portion of which is a refined petroleum hydrocarbon solvent having a specific gravity of about .70 to .85, and an emulsion of said grease solvent in water, said emulsion containing as an emulsifying agent a water soluble oleate and the water being in an amount from eight to one hundred and fifty times the volume of all other ingredients.

2,583,166
MUD SEPARATOR FOR STEAM GENERATING UNITS
William Casey, Kingston, Ontario, Canada, assignor to Canadian Locomotive Company Limited, Kingston, Ontario, Canada
Application May 13, 1948, Serial No. 26,794
3 Claims. (Cl. 210—57)

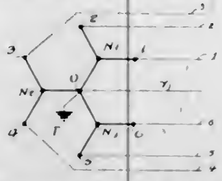


1. In a steam boiler water circulating and purifying system, a mud separator comprising a separating chamber having a top outlet opening and a lateral inlet opening located just below said outlet opening, a main upflow pipe open at both ends and arranged in said chamber with its upper open end fitted in said outlet opening and its lower open end spaced from the bottom wall of said chamber, a spiral strip spiralled downwardly around said upflow pipe and defining a spiral path through which water supplied to the inlet opening of said separating chamber is conducted toward the bottom of said chamber, a second upflow pipe open at both ends and arranged within and in spaced relation to said main upflow pipe, said second upflow pipe being provided, at its lower end, with a downwardly and outwardly flaring cone spaced from the lower end of the main upflow pipe and having its lower edge positioned close to but spaced from the surrounding wall of said chamber, and means for supporting said second pipe and said cone in position.

2,583,167
NONSYMMETRICAL MULTIPOLAR ELECTRIC ENERGY DISTRIBUTION SYSTEM
Ugo Corbino, Rome, Italy
Application September 30, 1948, Serial No. 52,048
In Italy October 3, 1947
12 Claims. (Cl. 171—97)

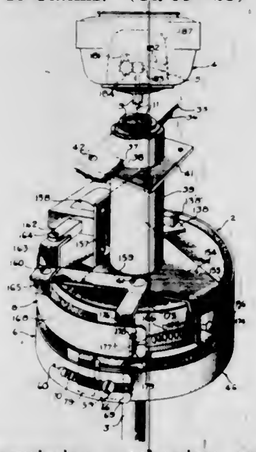
1. A non-symmetrical multipolar system for the distribution of electrical energy, said system comprising a plurality of not more than three groups of star connected three phase windings, a terminal of one winding of each group remote from the common point of connection of its group being connected both to ground and to a terminal of a winding of another group remote from the

common point of connection of said other group, the two windings so connected being out of phase by $360°/0.5n$, where n is the number of groups of star connected windings, distribution lines of the same section extending from terminals of said windings, and distribution lines of lesser section extending from neutral points and from said com-



mon point of connection, said system supplying three-phase voltages between distribution lines from any single group of windings and the distribution line from the common point of connection, and supplying a higher non-symmetrical multipolar voltage, this latter being the effective transport voltage.

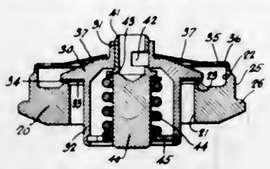
2,583,168
WASHING MACHINE AND TRANSMISSION THEREFOR
George Fields, Wilmette, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application February 16, 1946, Serial No. 648,117
18 Claims. (Cl. 68—23)



14. A transmission mechanism comprising a driving shaft and first and second driven shafts, means to transmit torque from the driving shaft to the first driven shaft comprising a first clutch, means normally in position to provide for constant driving relationship between said driving shaft and first driven shaft through said clutch, a second clutch, engaging said first clutch and in association with said second driven shaft, adapted to convey a varying force dependent on the load to vary the amount of slippage in the first clutch while taking up a load.

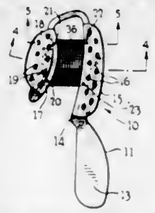
2,583,169
TWO-WAY VALVE
Mearick Funkhouser, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 12, 1948, Serial No. 14,489
5 Claims. (Cl. 277—45)

1. A two way valve mechanism comprising in combination, a centrally apertured valve cage having an annular ridge providing a valve-seat surrounding one end of the aperture; a disc valve normally resting upon said valve-seat, said disc-valve having a central opening and tubular portions extending from each side thereof; a spring comprising a frame portion secured to the valve-cage and resilient fingers extending from the frame, biased to engage and urge the disc-valve upon its seat at a predetermined pressure, the ends of the fingers terminating in close proximity



to the one tubular extension on the valve for maintaining it central of the valve-seat; a plug valve slidably supported in said one tubular extension, normally closing the central opening in the disc valve but movable to establish a restricted flow therethrough; an abutment spider carried by the other tubular extension of the disc-valve; and a spring interposed between the spider and plug valve yieldably urging said plug valve to close the opening in the disc-valve.

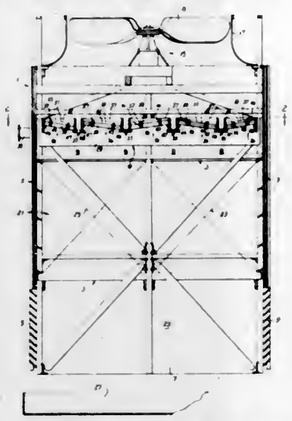
2,583,170
DENTAL TRAY
Edwin H. Getz, Forest Hills, N. Y.
Application June 7, 1949, Serial No. 97,591
12 Claims. (Cl. 32—19)



1. A dental impression tray for the upper and lower dental arch of the mouth comprising a plurality of disconnectible complementary halves, each half having a handle member and a bar extending therefrom each of said handle members and bars being adapted to lie relatively and respectively flush with each other, a buccal and a lingual retaining wall respectively, each mounted on each bar of each half and spaced from each other, and adapted to be adjacent the respective sides of the dental arch, a reticulated member retained by said halves intermediate the retaining walls, and means on each side of one of the halves for clasping the halves firmly together.

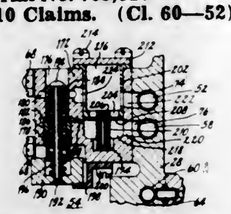
2,583,171
DRIFT ELIMINATOR
Nathaniel P. Green, University City, and Peter A. Barrett, Kirkwood, Mo., and Eugene L. Bass, Tulsa, Okla., assignors, by direct and mesne assignments, to Water Cooling Equipment Co., St. Louis County, Mo., a corporation of Missouri
Application February 17, 1950, Serial No. 144,814
6 Claims. (Cl. 183—75)

1. In a vertical air flow water cooling tower having a filling for breaking up streams of water falling in the tower and through which air flows upward, carrying with it entrained droplets of water, a drift eliminator in the tower above the filling for removing entrained droplets of water comprising two eliminator panels, one above the other, each comprising a plurality of blades the planes of which are inclined with respect to the horizontal, the blades of the lower panel being spaced apart side-by-side with their planes generally parallel and inclined with respect to the horizontal more than 30° but less than 90° for changing the direction of air flow generally to the inclined direction of the planes of the blades, the blades of the upper panel also being spaced apart side-by-side with their planes generally parallel and inclined oppositely to the blades of the lower panel for changing the direction of air



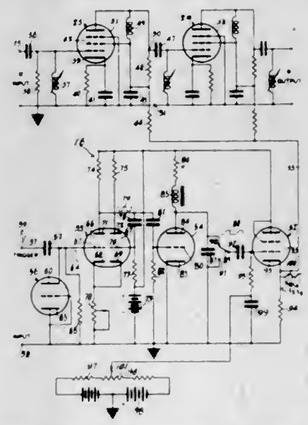
flow to an oppositely inclined direction, the lower edges of the blades of the upper panel being spaced above the upper edges of the blades of the lower panel at least a distance approximating the vertical projection of the width of the blades of the lower panel, this spacing being such in relation to the inclination of the blades of the lower panel as to permit at least the heavier of the entrained droplets of water to follow a free gravity-induced trajectory in the space between the panels after passing through the lower panel for elimination of such droplets, the remaining droplets being substantially eliminated by the upper panel, said panels being inclined with respect to the horizontal in the direction of the length of the blades at an angle up to 45°.

2,583,172
PROPELLER PITCH CONTROL
John F. Haines, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application October 12, 1942, Serial No. 461,686, now Patent No. 2,424,749, dated July 29, 1947. Divided and this application October 24, 1946, Serial No. 705,317
10 Claims. (Cl. 60—52)



3. In a system for controlling the pitch of propeller blades by a hydraulically operated device, a valve assembly unit, comprising in combination, a casing providing a delivery chamber and a pressure chamber, a check valve preventing return fluid flow from the pressure chamber to the delivery chamber, said casing having a through passage of differential diameter, a passage connecting the smaller diameter with the delivery chamber, a passage connecting the larger diameter with the pressure chamber, a stepped piston slidable along the passage of differential diameter and having a fraction of its area exposed to the pressure of the pressure chamber, said piston being operative to control fluid flow from the delivery chamber to the smaller diameter, and means opposing movement of the piston in response to pressure on the fractional area for maintaining the passage from the delivery chamber to the smaller bore closed.

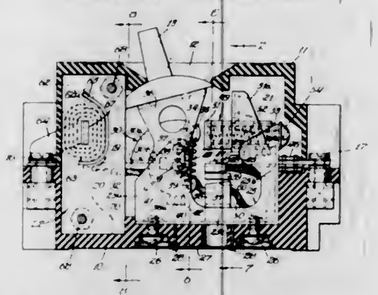
2,583,173
RADAR RECEIVER
Charles W. Hargens, Doylestown, Pa., assignor to Gilfillan Bros., Incorporated, Los Angeles, Calif., a corporation of California
Application July 29, 1946, Serial No. 686,906
1 Claim. (Cl. 343—13)



In a system of the character described, single antenna means, means including said single antenna means for transmitting pulses to a target, the relative distance of which from said transmitting means may vary, trigger generating means coupled to said transmitting means to effect periodic operation of the same, receiving means including at least one stage of amplification for receiving from said target related echoes having amplitudes varying with the distance between said receiving means and said target, a single transmit-receive switch coupling said receiving means to said antenna means and functioning to block high powered pulses generated in said transmitting means from the receiving means while yet allowing relatively weak echoes from said antenna means to pass to said receiving means, said one stage of amplification including an electron discharge device having a positive gain controlling electrode, a cathode follower stage including a second electron discharge device having an anode control grid and cathode, said second discharge device having its cathode connected to said positive electrode, said cathode follower stage having a cathode load resistor connected to said cathode, a continuous voltage source serially connected with said resistor cathode and anode whereby said positive electrode is normally maintained, in a quiescent stage, at a predetermined continuous potential, sawtooth generating means operated in timed re-

lationship with generation of said pulses, means coupling the output of said sawtooth generating means to the control grid of said cathode follower stage, said sawtooth generating means including a one shot multivibrator stage having its input circuit coupled to said trigger generating means, an amplifier stage coupling said multivibrator stage to said control grid, said amplifying stage including a third electron discharge device having its control grid coupled to said multivibrator stage and its anode coupled to the control grid of said cathode follower stage, means for supplying space current to said third electron discharge device, the last mentioned means including an inductance and a resistance serially connected with the anode of said third discharge device.

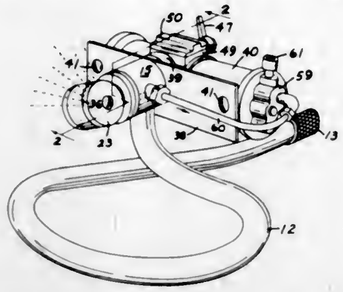
2,583,174
ELECTRIC SWITCH OR CIRCUIT BREAKER
Lester C. Hart, Cleveland, Ohio, assignor to Hi-Voltage Equipment Company, Cleveland, Ohio, a corporation of Ohio
Application August 14, 1946, Serial No. 690,382
12 Claims. (Cl. 200—88)



2. An electric switch comprising a pair of relatively movable contacts including at least one movable contact operable between an open circuit and a closed circuit position, a movable contact carrier for supporting said movable contact, a manually operable actuating element, an over-center device operatively relating said actuating element and said contact carrier for causing said movable contact to move with a snap action from its open circuit to its closed circuit position and from its closed circuit to its open circuit position, a longitudinally movable plunger, means for supporting said plunger in a position capable of being moved to engage said contact carrier, spring means associated with said plunger for biasing said plunger into engagement with said contact carrier, latching means for holding said plunger out of contact with said contact carrier and for maintaining said spring means in a charged condition, and current responsive means for releasing said latching means to cause said plunger to strike said contact carrier and move said movable contact supported thereby to the open circuit position even though said actuating element is prevented from moving to a corresponding position.

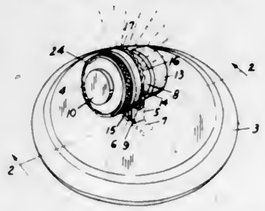
2,583,175
SPRINKLER
Charles F. Hautau, Huntington Woods, Mich., assignor to Hautau Stamping Company, Detroit, Mich., a corporation of Michigan
Application October 19, 1946, Serial No. 704,438
7 Claims. (Cl. 299—47)

1. In a device of the character described, a spray distributing mechanism comprising a tubular member threaded at each end, apertured end members having threads in engagement with the threads of said tubular member, a tubular sprinkler head support rotatable in the aperture of one of said end members, said support having an end



flange adapted to engage an inwardly extending shoulder formed on said last-named end member, a rotatable coupling extending through the aperture of said other end member, said coupling having a shoulder thereon arranged to engage a shoulder formed on said cylindrical member.

2,583,176
SPRINKLER
Charles F. Hautau, Huntington Woods., Mich., assignor to Hautau Stamping Company, Detroit, Mich., a corporation of Michigan
Application October 19, 1946, Serial No. 704,439
4 Claims. (Cl. 299—57)

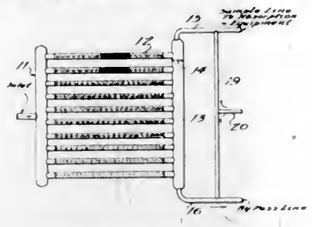


1. In a device of the character described, a sprinkler head consisting of a cup-shaped member which is provided at one end with a flared rim adapted to accommodate the shoulder of an internally threaded nut, a pair of washers closely fitted about the outer periphery of said cup-shaped member, said washers having rearwardly directed portions at their outer peripheries, one of said washers having a plurality of serrations which define water discharge ports and a shoulder adapted to engage a shoulder formed on the outer periphery of the cup-shaped member to serve as an abutment, and openings in the wall of said cup-shaped member communicating with the space defined between said washers.

2,583,177
FLOW DIVIDING APPARATUS
James Hoekstra, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 26, 1944, Serial No. 560,503
8 Claims. (Cl. 137—78)

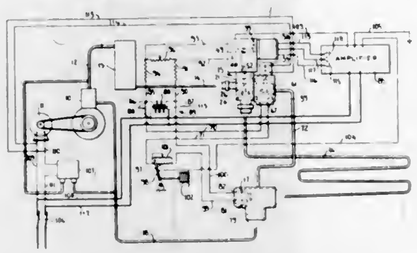
4. An apparatus for dividing a fluid stream into aliquot parts comprising a plurality of conduits having approximately equal flow resistances, a fluid inlet manifold connected to each of said conduits, a sampling outlet from at least one of said conduits, an independent outlet connected to

the remainder of said conduits, and a pressure equalizer connected to said outlets and comprising means for preventing mixing of the fluid por-



tions discharging from said outlets in order to maintain accurate proportions of fluid in the outlets.

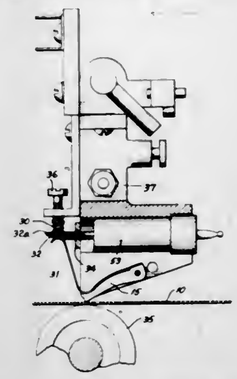
2,583,178
REFRIGERATION CONTROL APPARATUS
William L. Huntington, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 21, 1948, Serial No. 55,705
13 Claims. (Cl. 62—8)



1. In a refrigerating system including electrically energizable means for causing operation of said system, an expansion valve, and an evaporator; control apparatus for said system comprising; a motor for operating said valve, first electric impedance means responsive to refrigerant temperature at said valve, second electric impedance means responsive to refrigerant temperature at the outlet of said evaporator, a relay means, an electrical circuit including said first and second means and said relay means for controlling said motor, and electrically operable means controlled simultaneously with said energizable means for causing a temperature difference between said first and second means before said valve opens.

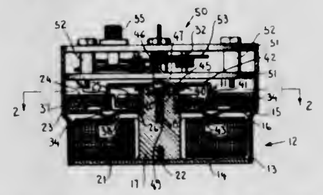
2,583,179
RECORD SENSING MEANS
Kenneth Koon, Johnson City, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 8, 1950, Serial No. 166,821
3 Claims. (Cl. 235—61.11)

1. In a device for sensing an index point on a record body, an electron discharge device having one electrode displaceable relative to the other in response to a varying mechanical force, a stylus adapted to contact the face of a record body and being mounted for movement in response to variations in the surface of such record body, means for transmitting mechanical movement from said stylus to the displaceable electrode of said electron discharge device, means for limiting the movement of said displaceable electrode in each of two opposite limit positions, and means for selectively adjusting said limit-



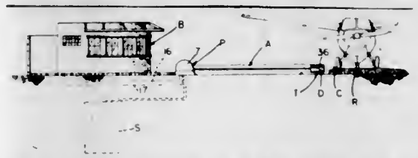
ing means to adapt said device to sense either ridges or depressions on the face of a record body.

2,583,180
SYNCHRONOUS MOTOR
Carl G. Kronmiller, Minneapolis, and Willis H. Gille, St. Paul, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 10, 1949, Serial No. 80,668
25 Claims. (Cl. 172—278)



1. In a motor, a magnetic field structure including an energizing core with a winding thereon and a plurality of pole piece members attached to said magnetic core, one of said pole piece members being cup shaped in form and positioned to partially enclose said core and winding, said one of said pole piece members having a peripheral shoulder thereon continuous in form, a rotor magnetically associated with said field structure, a gear train connected to said rotor and mounted on said field structure, and casing means having a periphery of the same shape as said shoulder resting on said shoulder of said pole piece member and enclosing said gear train and rotor.

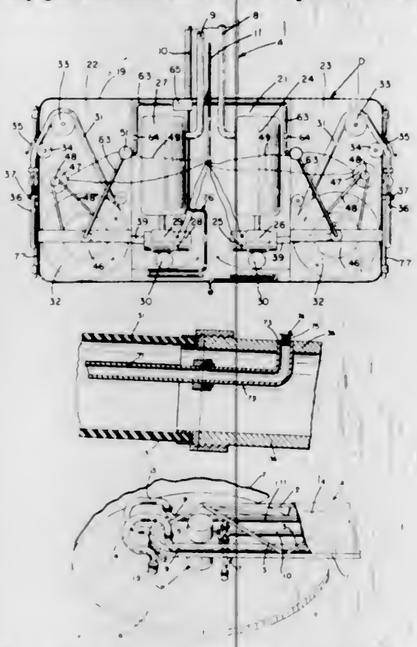
2,583,181
AIRPORT SERVICE STATION
Bernard P. Kunz, Denver, Colo.
Application April 26, 1946, Serial No. 665,285
14 Claims. (Cl. 222—75)



1. In a fluid dispensing apparatus, a flexible dispensing conduit having a nozzle, holding means for the conduit permitting the conduit to be with-

drawn therefrom to dispense fluid at a remote point, an electric motor connected for operating the holding means to cause the conduit to be returned thereto, an electric circuit for the motor including a switch, and means including a manually operated control element remote from the switch and positioned on and adjacent the nozzle end of the conduit to move therewith and operatively connected for closing said switch at will.

6. In a ground installed airport service station for servicing several airplanes while simultaneously parked and each from a point within the



tip of a wing or equivalent structure and close to the fuselage, an arm of substantial length, means for pivoting the arm for swinging movement in a horizontal plane about one of its ends, means for supporting the arm from the ground at its other free swinging end, an airplane parking ramp outward of the arc of swing of the free end of the arm, a dispensing unit mounted to move with the free end of the arm, said swinging end of the arm and dispensing unit being of a height less than the height of an airplane wing, and means for supplying fuel to the unit from a storage chamber at a fixed remote point.

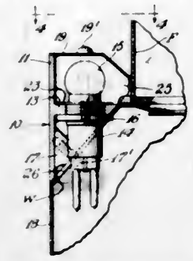
2,583,182

FARE BOX LIGHT UNIT

Albert A. Lyman, Short Hills, N. J., assignor to Public Service Coordinated Transport, Newark, N. J., a corporation of New Jersey

Application December 11, 1948, Serial No. 64,790
2 Claims. (Cl. 240—2)

2. In combination with a fare box having a fare-receiving chamber at its top provided with transparent side walls, said fare box having a wall portion extending from the bottom of the fare-receiving chamber and formed with an opening; a lighting attachment for the fare-receiving chamber comprising a frame open at its top and along its inner side, a horizontal web in said frame formed with an opening, bosses in the frame under said web, fasteners extending through the wall portion and removably engaged in said bosses for detachably securing the frame against the said wall portion with its open side projecting upwardly above the bottom of the fare-receiving chamber, a bulb-receiving socket mounted through the opening in the web and extending into the fare box through the opening in the said wall portion thereof, a bulb fitted into



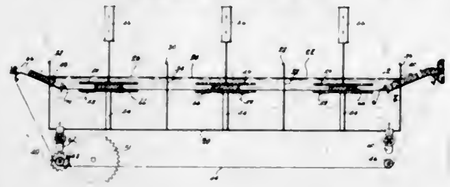
the bulb-receiving socket through the open top of the frame, and a removable cover for said frame having its inner end spaced upwardly from the bottom of the fare-receiving chamber and thereby providing a space at the inner side of the frame through which light from the bulb may enter the fare-receiving chamber.

2,583,183

METHOD FOR WASHING SPONGY MATERIAL

John T. Marvin, Dayton, and George H. McFadden, Columbus, Ohio, assignors, by direct and mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 3, 1948, Serial No. 12,706
4 Claims. (Cl. 134—9)



1. A step-by-step process for removing soluble ingredients from spongy resilient articles, comprising the steps of, progressively advancing an article to be washed through a plurality of washing stations after a predetermined time delay at each station, alternately rapidly squeezing and releasing said article during each time delay and continuously flowing water in a direction countercurrent to the advancement of the article in quantities sufficient and of sufficient depth to at least submerge the article during each period of time delay for effecting a washing of the article.

2,583,184

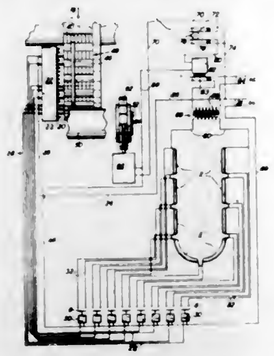
CONTROLLER FOR MONOGRAM SIGNS

Lewis C. McCarty, Jr., and Harold G. Felio, New York, N. Y., assignors to The Marine Aircraft Corporation, New York, N. Y., a corporation of New York

Application August 19, 1948, Serial No. 45,056
7 Claims. (Cl. 177—348)

1. A controller for electric signs, comprising in combination a plurality of control wheels frictionally mounted on a common operating shaft, means for rotating said shaft continuously in one direction, switch actuating pins arranged in zones in different combinations on one face of each

wheel, a bank of switches, operatively connected to control the lights of the sign, fixed alongside each control wheel for operative engagement with the switch actuating pins of a particular zone, dependent upon the angular setting of the control wheel on said shaft, a plurality of circumferentially extending rows of settable stops carried by each control wheel, said stops being ar-



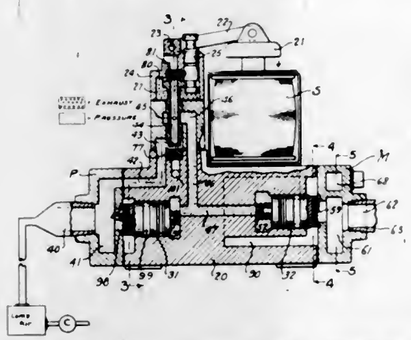
ranged in a plurality of groups positioned side by side; a stop arm for each control wheel, cooperating with the stops thereon; and means for periodically moving all of said stop arms laterally from one group of stops to the next adjacent group, whereby the control wheels are moved by said shaft to new angular positions on said shaft, as determined by the positioning of the settable stops in said next adjacent group.

2,583,185

RAPID OPERATING POPPET AIR VALVE

Roy D. McLeod, Detroit, Mich., assignor of two-thirds to William Carls, Milford, Mich., and one-third to Sophia Louise Brussel and the Detroit Trust Company, coexecutors of Fred H. Brussel, deceased

Application May 22, 1945, Serial No. 595,133
6 Claims. (Cl. 121—46.5)



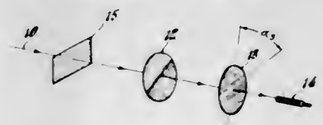
1. An air pressure control valve comprising a housing, having a pressure inlet port, two motor ports and two exhaust ports, a pressure passage from said inlet port to each of said motor ports, an exhaust passage connecting each exhaust port with a pressure passage, substantially cylindrical poppets slidable in said passages with a first pair of poppets arranged in said housing with an end surface of each connected together, a second pair of poppets arranged in said housing with an end surface of each connected together, one of each of said pairs being shiftable to block a pressure passage and one of each of said pairs being shiftable to block an exhaust passage, spring means to exert a closing bias on said poppets when in open position, and pilot means arranged to direct pressure selectively and alternately to connected end surfaces of one pair of poppets while opening the other connected surface of the other poppets to atmosphere to cause seating of one of said pairs while pressure air and exhaust air open the respective poppets of the other pair to connect one motor port to the inlet port and the other motor port to an exhaust port, each of the said one pair of poppets being exposed at one end to pilot pressure and at the other end centrally and partially to motor port pressure when seated, the effective exposed area of each said partially exposed ends and of the seats being less than that of the ends of each poppet exposed to pilot pressure.

2,583,186

METHOD OF DETERMINING THE POLARIZATION OF A LIGHT BEAM

Hans Mueller, Cambridge, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York

Application November 19, 1949, Serial No. 128,407
2 Claims. (Cl. 88—14)



1. The method of determining the state of polarization of a beam of light which comprises bi-polarizing the light beam to obtain two plane-polarized fields having their axes of polarization at an angle to each other, passing the bi-polarized beam through an analyzer, rotating the analyzer to determine two positions in each of which the fields appear of equal intensities and measuring the angle between said two positions, setting the axis of bi-polarization at a determinate angle from its initial position, again rotating the analyzer and measuring the angle between the two positions in which the fields appear of equal intensities, introducing a phase-displacing device, and again rotating the analyzer and measuring the angle between the two positions in which the fields appear of equal intensities, whereby the state of polarization is determined from the angles thus measured.

2,583,187

FOLDING CRIB AND PLAY PEN

St. Clair Newbern, Fort Worth, Tex.

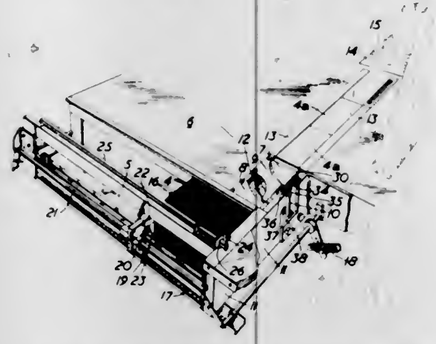
Application July 14, 1947, Serial No. 760,815
1 Claim. (Cl. 5—99)



In a foldable crib or the like, a pair of rectangular members adapted to provide a mattress support when arranged in end to end position, depending flanges around each of said rectangular members, a hinge connecting adjoining lower

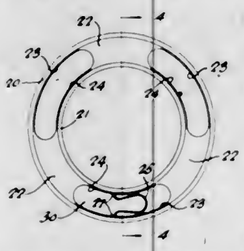
edges of said flanges when said supporting members are arranged as described, and mattress locating flanges projecting upwardly from the ends and sides of the assembled supporting members.

2,583,188
ADDRESSING AND LIKE PRINTING MACHINES
Thomas Edward Francis Sanderson, Ruislip, England, assignor to Adrema Limited, London, England, a British company
Application April 13, 1949, Serial No. 87,223
In Great Britain February 5, 1948
4 Claims. (Cl. 101—47)



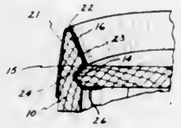
3. In a printing machine having a printing position for printing sheets by means of printing plates, comprising in combination a horizontal table for supporting the sheets to be printed, said printing position being in the table, plate guides extending horizontally and substantially in the plane of the table past the printing position, transport means for moving a succession of horizontally disposed printing plates along the guides to the printing position, a storage hopper positioned wholly below the plane of the table, said hopper being arranged to receive vertically disposed printing plates, and means for operating successively upon each of the plates in the hopper to turn substantially each plate into a horizontal attitude, raise it to the level of the guides and feed it into the guides.

2,583,189
GROUND CONNECTION CLIP FOR MOTOR MOUNTS
Ralph K. Shewmon, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 9, 1949, Serial No. 86,438
2 Claims. (Cl. 173—324)



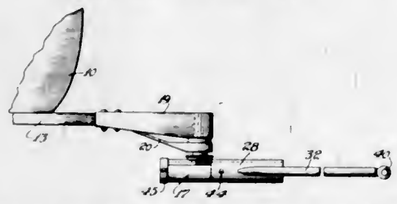
1. In combination with a mounting member for supporting an electrical machine, said mounting member consisting of two metal rings held concentrically spaced by resilient insulating blocks secured in spaced relation between said rings, a resilient spring clip removably inserted in a space between said blocks so as electrically to engage and connect the rings, said clip being hairpin shaped, the outer ends having oppositely disposed, outwardly extending barbs biting into the respective rings.

2,583,190
BARREL HOOP
Clarence C. Stuewe, Cleveland, Ohio, assignor to The Greif Bros. Cooperage Corporation, Cleveland, Ohio, a corporation of Delaware
Application April 28, 1948, Serial No. 23,672
7 Claims. (Cl. 217—89)



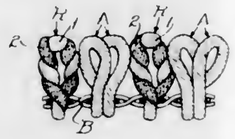
6. In combination with a barrel having a side portion and being formed with a groove extending around the inner periphery adjacent the end, a hoop compressing a channeled member formed to extend over the edge of the barrel and extending from the edge toward the center of the barrel for a distance on each side of the edge, the inner portion of said hoop being formed with a V-shaped portion for engagement in said groove and a flange disposed below said V-shaped portion and extending inwardly, a head for said barrel having an edge formed for engagement with said V-shaped portion, said hoop being divided to provide movable ends and means in engagement with said ends to expand and contract the same, said hoop formed to pull the end of the barrel into tight engagement with said head with the V-shaped part between the head and groove and said flange disposed for supporting engagement with the head at all times.

2,583,191
TRAILER COUPLER
Milton S. Voorhees, Point Pleasant Beach, N. J.
Application November 4, 1949, Serial No. 125,473
3 Claims. (Cl. 280—33.15)



1. In a trailer coupler for coupling a trailer unit to a towing vehicle, a housing adapted to be secured to the trailer in fixed vertical position, a stub shaft, means engaging the housing and shaft to secure the latter in the former against axial displacement for rotation of the shaft on its axis, a tube fixed to the lower end of the shaft in a plane at right angles to the longitudinal axis of the shaft, one end of the tube being in vertical alignment with the corresponding end of the housing, the other end of the tube extending substantially past the housing, a V-shaped tracking unit comprising a centering shell having an axial bore and having a transverse aperture intersecting said bore, a pair of track arms fixed at one end to the shell, the other ends of said arms having apertures opening in a horizontal plane to receive pivot elements to secure the arms to the axle of the vehicle, and thus pivotally connect the free radial ends of the tracking unit to the axle to track the latter, an elongated alignment sleeve adapted to be slidably received in the axial bore of the shell, said sleeve having transverse apertures adapted to register with the transverse apertures of the shell to receive means to secure said shell to the sleeve with a substantial portion projecting therefrom, said projecting portion being adapted to be passed through the tube and to extend therebeyond, an end stop adapted to be positioned on the extended portion of the sleeve and to abut the tube end, and means to secure the stop to the sleeve in that position.

2,583,192
RUG
Philip C. Waite, Oshkosh, Wis., assignor to Waite Carpet Company, Oshkosh, Wis., a corporation of Wisconsin
Application September 17, 1949, Serial No. 116,280
4 Claims. (Cl. 28—78)



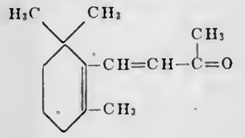
2. A rug having a backing whereon are carried tufts of yarn of two types, one mainly cotton and the other a mixture of strands of viscose and acetate rayon twisted together into a single ply yarn, the cotton tufts being disposed in pairs and the mixture of strands of viscose and acetate rayon being formed into single tufts located between the pairs of cotton tufts, and both tufts treated to a color dye which is readily absorbed into the cotton tufts but resisted by the acetate rayon strands of the other set of tufts, the color effects in the two sets of tufts varying according to the absorptive capacity of the two types of treated yarns.

2,583,193
METHOD OF REFINING ORGANIC ACID ESTERS CONTAINING FREE ACIDS
Lester L. Weil, West Orange, N. J., and Philip Tusa, Brooklyn, N. Y., assignors to E. F. Drew & Co., Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 19, 1949, Serial No. 105,664
15 Claims. (Cl. 202—57)

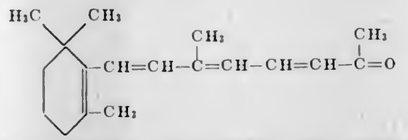
1. A method of refining organic acid esters of acids having at least 8 carbon atoms and being capable of being distilled, said esters containing free organic acid whch comprises adding to such an ester a salt of an acid which is volatile below temperatures at which said ester distills, said salt being soluble in said ester, the metal of said salt being adapted to form salts of said free acid which are non-volatile at said temperatures, dissolving said salt in said ester, subjecting said mixture to distillation whereby a reaction takes place forming the salt of said free acid and freeing said volatile acid, and collecting the distilled ester.

2,583,194
VITAMIN A DERIVATIVES AND METHODS OF PREPARING THE SAME
Leonard Weisler, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 27, 1948, Serial No. 23,628
6 Claims. (Cl. 260—563)

2. The method of making a polyene amine which comprises refluxing in glacial acetic acid, a member selected from the group consisting of

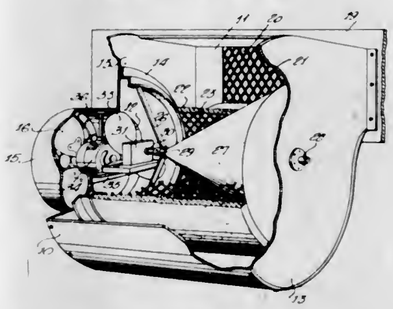


and



with a compound selected from the class consisting of cyanoacetic acid and esters thereof and thereby causing condensation of said reactants and autodecarboxylation of the condensation product to an unsaturated polyene nitrile, and thereafter reacting, in ether solution, said unsaturated polyene nitrile with a compound selected from the group consisting of aluminum hydride and lithium aluminum hydride effective to reduce the nitrile group thereof to an amino group without otherwise changing the unsaturation of said decarboxylated condensation product, and hydrolyzing the product of said reacting with water.

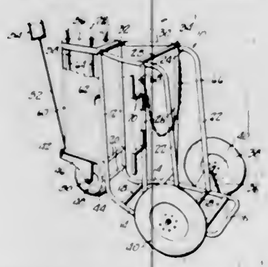
2,583,195
AIR CONDITIONER
George Wilcox, Anna, Tex.
Application November 22, 1946, Serial No. 711,494
1 Claim. (Cl. 261—92)



An air conditioner of the type described comprising in combination, a scroll housing having a vertical plate closing each end and a horizontal air outlet, the first of two of said end plates having a circular air inlet and embracing an intake fan housing attached exteriorly of said scholl housing, an axial shaft upon which is mounted an elongated coniform air deflector the base of which is attached and closes one end of a reticulated cylindrical filter frame, the apex of said deflector being directed into the airstream and terminating adjacent a series of divergent and radial arms attached thereto and supporting the open end of said filter frame, a filter mat

attached thereto and covering the periphery of said filter frame, the filter assembly being rotatably mounted upon said axial shaft and being journaled in a bearing at one end in the second of two end plates of said scroll housing opposite said air inlet, a motor mounted in said intake fan housing, a fan on the shaft of said motor, a second fan mounted inwardly and independently of said first fan, said second fan mounted upon the input shaft of a parallel drive speed reducing gear box, said gear being supported by a crossmember attached to said first of two end plates and in turn journalling said axial shaft at the open end of said filter assembly, whereby air forced into said scroll housing by said first fan will impinge and by kinetic energy impart rotary motion to said second fan, the latter, in turn, driving the rotary filter, the air entering the open end of said filter assembly being deflected radially by the coniform deflector, for even passage through said filter, and float actuated means for maintaining a predetermined level of liquid in said scroll housing reservoir to bathe said filter mat as the latter rotates, and means for overflow and drainage of said tank.

2,583,196
TRUCK FOR TRANSPORTING UPRIGHT CYLINDERS
Harold O. Zander and Paul B. Kuehl, South Bend, Ind.
Application May 19, 1947, Serial No. 748,878
4 Claims. (Cl. 280—59)



3. In a utility truck for transporting elongated cylinders, a plurality of rigidly connected tubular members defining an L-shaped main frame and a pair of inverted L-shaped members at its sides cooperating with said frame to define a cylinder retaining cage open at one side, rigid horizontal cylinder supporting platform defining means carried by the lower horizontal portion of said main frame, and forming a base for said cage, means carried by the lower end of said main frame and adapted for journaling a pair of wheels on a common axis spaced above said platform, whereby said base is positioned at a low level, a rigid member projecting forwardly from said frame above the level of said platform, dirigible means for journaling a comparatively small wheel below said projecting member and forwardly of said frame, and releasable retainer means carried by the upper end of said cage to span the open side thereof.

2,583,197
TWO-SPEED POWER STEERING
George E. Armington, South Euclid, Ohio, assignor to The Euclid Road Machinery Co., Euclid, Ohio, a corporation of Ohio
Application May 15, 1946, Serial No. 669,907
11 Claims. (Cl. 180—79.2)

7. Apparatus of the character described, comprising tractor and trailer members pivotally connected together on a vertical hitch axis, a fluid pressure servomotor operatively connected to one of said members and effective upon the other member for producing relative steering swing between them, two separate supply conduits, each communicating with a source of fluid pressure, and controlling valve means for the supply of fluid to said servomotor, said valve means including two sets of passages communi-



cating respectively with said conduits and both communicating with said servomotor, said valve means being movable to two positions, one for opening one of said passages and the other for opening both of said passages, thereby to suddenly and materially vary the rate of supply fluid as the valve means move from one position to the other and thus sharply change the rate of steering swing.

2,583,198
GRIP STRUCTURE
Benjamin J. Axton, Jr., Holyoke, Mass., assignor to A. G. Spalding & Bros., Inc., Chicopee, Mass., a corporation of Delaware
Application July 2, 1948, Serial No. 36,663
2 Claims. (Cl. 273—75)

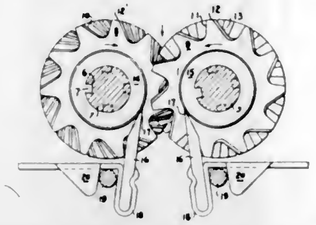


2. A tubular unitary hand grip member for handles of athletic implements comprising a textile tubular base to be secured to the handle and having a body thereon consisting essentially of cork particles embedded in a matrix of sponge rubber, said matrix of sponge rubber being anchored to the textile base and the rubber and cork particles being in substantially equal parts by weight to provide a structure resistant to displacement under torsional strain.

2,583,199
MEAT TENDERIZING DEVICE
Sidney Bakewell, Detroit, Mich.
Application November 13, 1948, Serial No. 59,960
3 Claims. (Cl. 17—26)

1. A device for tenderizing meat and other substances comprising parallel spaced driving and driven shafts, intermeshing gears of different size secured on said shafts respectively whereby

one shaft rotates faster than the other, a series of toothed discs longitudinally spaced and secured upon said shafts, with the discs of one shaft alternately spaced from the discs of the other shaft and with the teeth thereof arranged in overlapping relation, the teeth having blunt outer ends, the teeth of one series of discs having



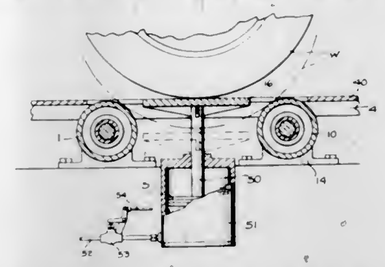
an angularly inclined sharpened leading radial edge, and the teeth of the other series of discs having an angularly inclined sharpened trailing radial edge, whereby the meat downwardly threaded between said shafts is compressed and lacerated upon opposite sides, there being a shearing action between adjacent opposed teeth due to the variation in speed of shaft rotation.

2,583,200
NONSPREADING LUBRICANT
George E. Barker, Newport, Del., assignor to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois
No Drawing. Application March 8, 1946, Serial No. 653,124
10 Claims. (Cl. 252—57)

1. A non-spreading lubricant having a base consisting of 50 to 90 parts by weight of a non-spreading component and 50 to 10 parts of a spreading component, said components being compatible and intersoluble in one another; said non-spreading component consisting of a liquid homologous mixture of stable non-volatile polar aralkyl compounds each having an alkyl chain and a nuclear aromatic radical connected to said chain and including a strong non-anionic negative group, demonstrating a positive contact angle with a steel surface in excess of 10 degrees and having a surface tension of at least 35 dynes per centimeter, the alkyl chain having from about 5 to 21 carbon atoms, said spreading component consisting of a liquid mixture of stable non-volatile organic compounds each containing a saturated aliphatic chain of 4 to 16 carbon atoms and at least two polar groups, of which one is the ester group and another is selected from the radicals consisting of the ester group and the aryl groups; said lubricant being further characterized in containing less than 5 per cent of mineral oil lubricant and for the remainder consisting of not exceeding 1 per cent of modifying agents to improve oiliness and coefficient of friction.

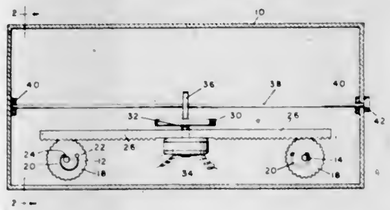
2,583,201
WHEEL LIFT FOR VEHICLE TESTING MACHINES
Harold L. Bennett, South Bend, Ind., assignor to Bennett-Feragen Inc., South Bend, Ind., a corporation of Washington
Application August 13, 1945, Serial No. 610,551
2 Claims. (Cl. 73—123)

1. In combination with an automobile driving test runway having a wheel receiving opening therein, substantially freely rotatable wheel cradling rolls spaced apart in said opening and located substantially wholly below the runway level, a wheel lift platform adapted to be located in wheel-engaging alignment with said runway, and guided for vertical reciprocation in the space between said rolls, between lowered position out of contact with an automobile wheel cradled on the rolls, and a raised position in such alignment with the runway, and elevated suffi-



ciently to engage the wheel from below and to assume substantially the entire wheel load from the rolls, and serving in such elevated position as a continuation of the runway, to enable self-powered movement of the automobile from over the wheel opening and across the intervening roll onto the runway, and means operable so to reciprocate said lift platform.

2,583,202
VELOCITY INDICATOR FOR MOVING VEHICLES
John G. Benson, Oswego, N. Y.
Application August 29, 1946, Serial No. 693,656
1 Claim. (Cl. 264—1)

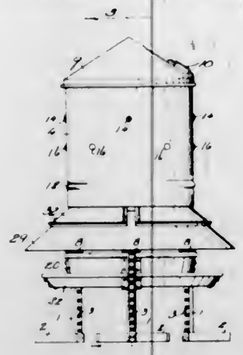


A device of the character described, for computing velocity, comprising a housing, parallel opposed shafts mounted transversely of said housing, parallel gears on said shafts, springs connected to said gears and said shafts for tensioning said gears, a platform mounted above said gears, gear teeth on the under-surface of said platform engaging said gears for the mounting thereof, a disc mounted in the center of said platform, a shaft mounting said disc at its upper end, an electric motor rotating at a predetermined fixed speed on the lower end of said shaft, a disc engaging said first disc, the circumference of said second disc being in a plane perpendicular to said first disc, a shaft for mounting said second disc and a velocity indicator on one end of said shaft.

2,583,203
AUTOMATIC POULTRY FEEDER
Arthur J. Bergeron, Kittery, Maine
Application June 2, 1948, Serial No. 30,662
3 Claims. (Cl. 119—51)

1. In an adjustable poultry feeder, the combination with a magazine hopper having a feeding assembly mounted in its lower end, a plurality of hangers depending from the hopper of

a plurality of supporting legs each having a vertical series of sockets, a pair of integral locking

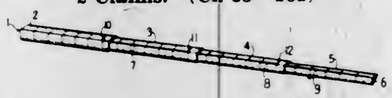


lugs projecting from each hanger, and detachable cam means surrounding the hangers and legs for locking the lugs in the sockets.

2,583,204
RESINOUS REACTION PRODUCTS OF CYCLOHEXANONES AND UNSATURATED DICARBOXYLIC ACIDS
Eric Albert Bevan, Halebank, Widnes, and Ralph Sidney Robinson, Woolton, Liverpool, England, assignors, by mesne assignments, to Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware
No Drawing. Application May 28, 1947, Serial No. 751,129. In Great Britain June 4, 1946
12 Claims. (Cl. 260—63)

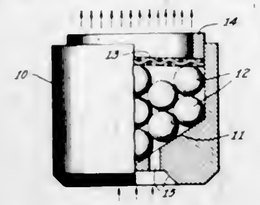
1. A process for the manufacture of synthetic resinous condensation products which comprises heat reacting a mixture comprising substantially equimolecular proportions of (1) a compound selected from a group consisting of cyclohexanone and an alkyl substituted cyclohexanone which is not substituted in the alpha position to the carbonyl group and (2) a substance selected from a group consisting of maleic acid, maleic anhydride and acetylene dicarboxylic acid, and during the reaction continuously removing all water from the reaction zone.

2,583,205
TELESCOPING MEASURING RULE
John J. Boisen, Luverne, Minn.
Application July 13, 1950, Serial No. 173,569
2 Claims. (Cl. 33—161)



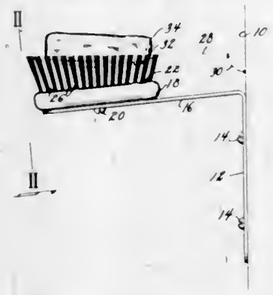
1. A measuring rule including a plurality of hollow sections, each being of a similar polygonal cross-section and provided with a scale on its external surface, said cross-sections being of progressively reduced size so that each section can telescope with frictional engagement upon any one adjacent it, each section except the one of largest cross-section having one of its corners cut away to form a flattened surface having a closed slot extending substantially the length of the section, each section except that of smallest cross-section having a double headed pin fixed in an aperture near that end of its section which in the expanded condition of the rule is adjacent the succeeding section of reduced cross-section, said pin entering the slot and the under surface of its head slidingly engaging the surface of this succeeding section, said pin limiting the extension of the said section.

2,583,206
APPARATUS FOR HOMOGENIZING
Alfred Gerhard Borck, Tullinge, Germany, and Carl Grönning, Stockholm, Sweden, assignors to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
Application November 3, 1950, Serial No. 193,858
In Sweden December 1, 1949
10 Claims. (Cl. 259—4)



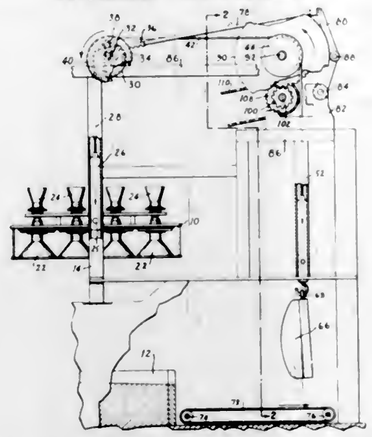
1. A device for homogenizing milk and other dispersions, which comprises a container having an inlet for the dispersion to be homogenized and an outlet for the homogenized dispersion, and a set of intercontacting balls in the container, the interspaces of the ball set forming flow paths between said inlet and outlet.

2,583,207
SOAP HOLDER
Harland H. Buck, Toledo, Ohio
Application July 15, 1948, Serial No. 38,850
1 Claim. (Cl. 45—28)



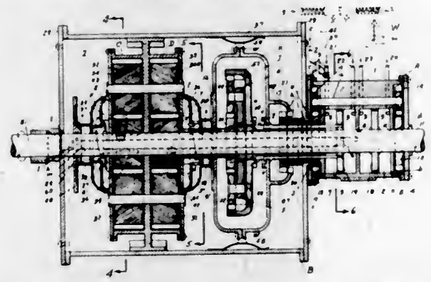
A soap holder comprising a substantially L-shaped bracket having one extent adapted to engage a main support and another extent providing an outwardly and downwardly extending tongue, a dome portion struck out from said tongue intermediate its length, a base element having a channel across its lower side with a seat formed intermediately the channel extent, said base mounted on said tongue with the tongue engaging said channel and said base positioned on the tongue by a nesting of said dome in said seat, the upper face of said base being substantially parallel to the tongue and thereby disposed in a canted position, and a plurality of various length elements mounted by said base and extending outwardly therefrom to terminate in pointed free ends, said elements so distributed that the free ends define a soap supporting area having its perimeter substantially in a horizontal plane with the elements inwardly therefrom providing the area with a contour dished toward said base.

2,583,208
BOWLING BALL BUMPER AND TABLE SUPPORT FOR AUTOMATIC PIN POSITIONING MACHINES
Joseph C. Clark, Merchantville, N. J., assignor to American Machine and Foundry Company, a corporation of New Jersey
Application December 31, 1947, Serial No. 795,075
14 Claims. (Cl. 273—43)



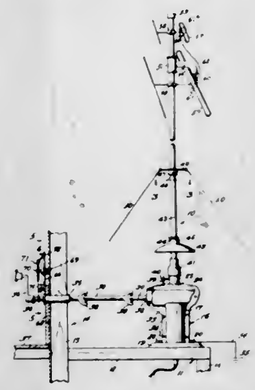
1. In an automatic bowling pin setting and resetting machine having a bumper for stopping bowling balls and a table for placing a new set of pins on the alley and lifting standing pins above the alley, a support for said table adapted and arranged to suspend said table for vertical movement, a support for said bumper adapted and arranged to suspend said bumper for vertical movement, and mechanism interconnecting said table support and said bumper support to counterbalance the weights of said bumper and said table against each other.

2,583,209
HYDRAULIC AUTOMATIC DRIVE AND CONTROL
Myron J. Dikeman, Grosse Pointe Woods, Mich.
Application February 27, 1951, Serial No. 212,907
9 Claims. (Cl. 74—718)



1. A hydraulic automatic drive control for transmitting power from one rotatable unit to another and controlling the direction and speed of the driven unit, and used therewith, comprising a fixedly mounted hydraulic bearing control and a cylindrical fluid drive rotatably mounted thereto within a sealed casing end bearing, both being united by a common drive shaft rotatably mounted therethrough and intervening operating mechanism common to both sections, the said bearing control section being formed of a chambered casing designed with central bearing therethrough and having dual hydraulic cylinders positioned concentric with the bearing axis, said common drive shaft being mounted through said bearing, power pistons slidably mounted within said hydraulic cylinders and operatively mounted over said drive shaft and slidable thereon, hydraulic pressure means connected to said hydraulic cylinders for operating and controlling said piston movements, shaft driven back-gearing rotatably mounted within said bearing control casing and extended through the casing sealed end bearing and within the fluid drive unit providing reverse power mechanism for said fluid drive, said fluid drive comprising a closed, fluid filled, cylindrical casing formed with end drive shaft bearings for rotatably mounting over the drive shaft, a driven shaft fixedly mounted to the outer casing end, said casing being designed with dual, gear drive and reverse fluid control units centrally positioned, back to back, therein, and operatively connected with the drive shaft and extended reverse power mechanism, operating mechanism for connecting and controlling each of said fluid control units for their respective drive shaft and back-gearing operations, actuated by said connected bearing control hydraulic pistons and connected drive shaft mechanism.

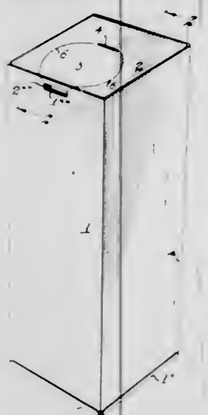
2,583,210
MANUALLY ROTATABLE DIRECTIONAL ANTENNA
Walter J. Edwards, Old Fort, N. C.
Application January 5, 1951, Serial No. 204,586
7 Claims. (Cl. 250—33.51)



1. A manually operated rotatably supported directional antenna comprising a gear casing, a stationary support on which the gear casing is secured in an upright position, a hollow shaft journaled in the gear casing longitudinally and vertically with respect thereto, a drive shaft having one end projecting into the gear casing and journaled therein and disposed at an angle to said hollow shaft, a beveled gear and pinion drive connecting said end of the drive shaft to an intermediate portion of the hollow shaft, a hollow mast having a lower end coupled to the upper end of the hollow shaft above the gear casing and forming an upright extension of the hollow shaft, a dipole secured to the mast adjacent its upper end and grounded through said mast, said mast having a tubular branch extending laterally therefrom and disposed adjacent the dipole provided with a downwardly opening outer end, a transmission line connected at one end to the dipole and extending therefrom into said lateral branch extension through its down-

wardly opening end and downwardly through the mast and hollow shaft, said gear casing having a bore opening outwardly of its lower end into which the lower end of the hollow shaft extends and through which the transmission line extends from said hollow shaft, said platform having an opening extending downwardly therethrough communicating with the bore of the gear casing through which the transmission line extends from the gear casing, and manually actuated means connected to the opposite end of said drive shaft remote to the gear casing for revolving the hollow shaft, mast and dipole.

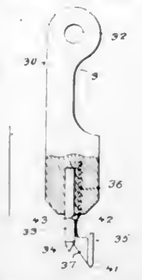
2,583,211
CONTAINER FOR LIQUIDS
William M. Fleming, Nutley, N. J., assignor to Eskimo Pie Corporation, Bloomfield, N. J., a corporation of Delaware
Application January 26, 1949, Serial No. 72,819
2 Claims. (Cl. 229—7)



1. A container for fluids and other materials consisting of a body closed at its base, a closure for the upper end of the container consisting of a flanged sheet formed with a closure member by spaced cuts at opposite sides of a hinge line, the closure having a cap-like portion extending downwardly into a flange of the sheet, and said portion being bounded by weakened lines, a second sheet underlying that first named sheet and having a closure disk area secured to the underface of the closure of said first sheet, said second sheet having a depending flange disposed inwardly of the said flange of the first sheet and covering the weakened lines therein, and the disk being secured to the closure member of the first sheet in such manner as to provide at least one unadhered peripheral wing, as and for the purpose set forth.

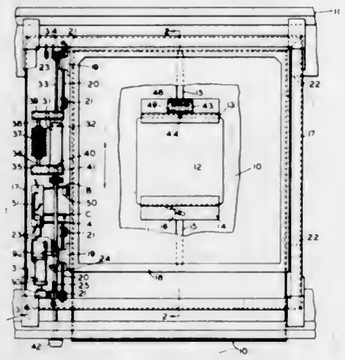
2,583,212
LIQUID CONTAINER OPENER
Joseph Philorome Gallant, Moncton, New Brunswick, Canada
Application May 17, 1949, Serial No. 93,795
2 Claims. (Cl. 30—6.1)

1. In a device for forming a pouring opening and discharge spout in a can, a handle, a punch provided with a pointed end projecting from an end of said handle, said punch being provided with a slot for receiving a portion of said can, a prong arranged adjacent said punch and secured to said handle, said prong including a pair of side portions arranged angularly with respect to each other, the free ends of said side portions being tapered upwardly, and said side



portions being each provided with a beveled cutting edge.

2,583,213
X-RAY TUBE CONTROL
Edward B. Graves, South Euclid, Ohio, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 26, 1948, Serial No. 17,211
4 Claims. (Cl. 250—62)

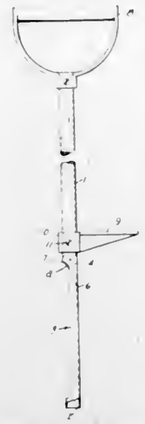


1. In combination, means for energizing an X-ray tube, means for exposing a radiographic film to the rays from said tube including a film holder and a Bucky grid, means requiring presetting for causing an excursion of said grid, releasable holding means for maintaining said third named means in preset condition prior to an excursion of said grid, release means for said holding means, a switch closed by presetting of said third named means, and an electrical circuit including, in series, said switch and said release means and means responsive to a film holder positioned to receive rays from said tube.

2,583,214
WEEDING TOOL
James Hanzlik, Gardena, Calif.
Application June 7, 1949, Serial No. 97,583
1 Claim. (Cl. 294—50.7)

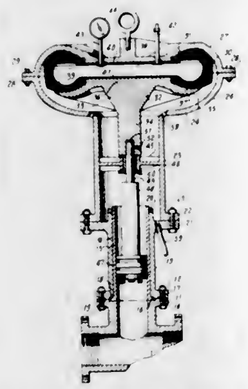
In a weeding tool, an elongated tubular member having its lower end open and a slotted cutout extending upwardly a substantial distance from adjacent said lower end, a hand grip at the upper end of said member, a foot rest adjustably mounted on and projecting laterally from said member above the upper end of said cutout, the edge of the open end of said member being sharpened to facilitate ground penetration, and a plug secured in said member at

the upper end of said cutout and having its lower end portion exposed through the latter



and provided with an obliquely angled surface to divert a dirt slug outwardly of said cutout.

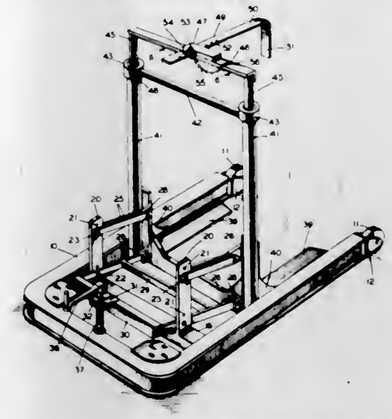
2,583,215
FLUID PRESSURE SURGE DEVICE
Clyde D. Helm, Fort Worth, Tex., assignor to Mid-Continent Supply Company, Inc., Fort Worth, Tex., a corporation of Delaware
Application February 7, 1948, Serial No. 6,979
7 Claims. (Cl. 138—26)



1. A fluid pressure surge device including, a housing having an annular seat in its upper portion, a circular elastic casing disposed horizontally in said housing having its upper side engaging the seat, a bellows in the casing, a plunger engaging the underside of the bellows and having a hanger engaging the underside of the casing, a cylinder adapted to receive a pressure fluid, and a piston movable in said cylinder engaging the plunger.

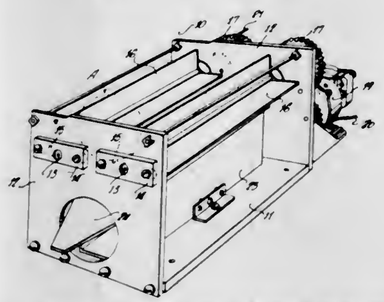
2,583,216
VEHICLE WHEEL TRUCK
Warren G. Hoffman, Plainview, Tex., assignor of one-half to James E. White
Application April 1, 1949, Serial No. 84,994
4 Claims. (Cl. 214—1)

1. A vehicle wheel truck comprising, a substantially U-shaped frame, wheels mounted on said frame so that it can be moved over a supporting surface, upright standards mounted adjacent to the sides of the frame behind the closed front end thereof, a lever and parallel link connection mounted on each of said standards, with the lever extending forwardly and rearwardly thereof and the link above the lever and rearwardly of the standard, operating means connected between the front ends of the levers and the mid portion of the front end of the U-shaped frame, wheel engaging and lifting means on the rear ends of said parallel link and lever connection comprising, an upright U-shaped frame, a



pair of wheel lifting and supporting bars extending rearwardly from said upright U-shaped frame, one at each side of the frame so as to be adjacent to and pass between the ends of the truck frame, extensible uprights extending above the upper ends of said upright U-shaped frame, a bar connected across the upper ends of said extensible uprights, and extensible clamping means carried by the mid portion of the bar across the upper ends of said uprights for engaging the top of a wheel supported on said wheel lifting and supporting bars.

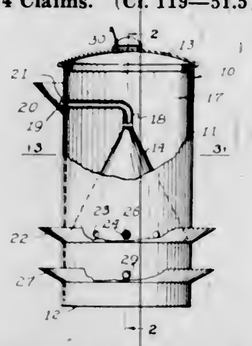
2,583,217
ARTICLE RELEASE MECHANISM FOR VENDING MACHINES
Frazier N. James, Dallas, Tex., assignor, by direct and mesne assignments, of one-third to Richard A. Gump, one-sixth to C. M. McMullin and one-sixth to Collins Kilgore, all of Dallas, Tex., and one-third to Lone Star Vendor Corp., Dallas, Tex., a corporation of Delaware
Application April 21, 1949, Serial No. 88,722
1 Claim. (Cl. 312—94)



In an article release mechanism for a vending machine having a delivery magazine, the combination comprising a frame at the lower end of said delivery magazine, an end member in each

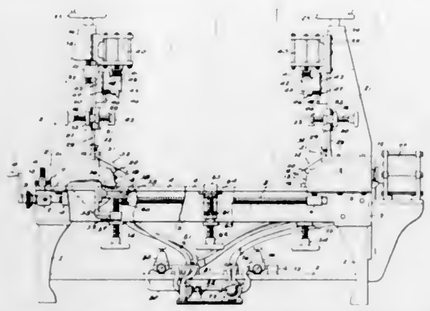
end of said frame, one of said end members having an opening therein, parallel rotatable members in juxtaposition having shafts journaled in the end members of said frame, each of said rotatable members having radial blades, the blades of one of said members cooperating with the blades of the other and operating to define successive receptacles for singly receiving articles from the column of articles in said delivery magazine and for transferring them singly to a point of discharge, said blades being also effective to restrict the remaining articles of said column during release of articles singly therefrom, cooperating gears carried by said rotary members for rotating the latter in counter directions, an electrical circuit, electrical means in said circuit for driving said gears, a switch mounted on the other of said end members for opening and closing said circuit, annularly spaced pins on the face of one of said gears adapted to be brought into engagement with said switch at predetermined intervals for energizing said electrical means, a pair of parallel and relatively spaced guide walls between which articles are deposited by said rotatable members, an article cushioning plate hinged at one end of said other of said end members between said parallel guide walls and having its other and free end reduced in width and extended through the opening in said first mentioned end member and constituting a chute for articles released by said rotatable members and spring means for normally holding the free end of said plate in elevated position.

2,583,218
COMBINED POULTRY FEEDER AND WATERER
Mack Lovic Lambeth, De Queen, Ark.
Application November 13, 1946, Serial No. 709,494
4 Claims. (Cl. 119—51.5)



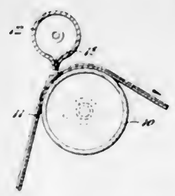
1. A combination poultry feeder and waterer comprising a housing having a vertical side wall, a bottom wall and an open top, a cover for said open top, a water trough connected with and supported by the side wall adjacent the lower portion of the housing and above the bottom wall, a feed trough connected with and supported by the side wall at an elevation above the water trough, means within the housing and secured to the side wall in a transverse plane just below the feed trough and dividing the housing into an upper feed chamber and a lower water chamber, means interconnecting the feed chamber and feed trough for discharging feed from the feed chamber into the feed trough, means interconnecting the water chamber and water trough for discharging water from the water chamber into the water trough, and said housing dividing means having its major portion extended centrally up into the feed chamber through the major part of the length of the chamber so that a substantial portion of the feed chamber encloses a substantial portion of the water chamber whereby feed in the feed chamber functions as insulation means for water in the water chamber.

2,583,219
AIR-PRESSURE OPERATED DRAWER CLAMPING MACHINE
Jeter M. Lancaster, High Point, N. C.
Application August 24, 1950, Serial No. 181,303
2 Claims. (Cl. 144—291)



1. In a drawer assembly machine a supporting frame; a pair of jaws mounted upon said frame for sliding movement toward and away from each other; standards upstanding from the respective jaws; feed screws rotatably and vertically mounted in the respective standards; a drawer back clamp slidably mounted upon the standard and having threaded engagement with said feed screw, for up and down adjustment of the drawer back clamp responsive to rotation of the feed screw; and a drawer side clamp slidably mounted upon the standard and having threaded engagement with said feed screw, for adjustment simultaneously with the drawer back clamp, said threaded engagement of the drawer side clamp being adapted for threaded adjustment of the drawer side clamp upon the feed screw independently of adjustment of the drawer back clamp, for spacing the drawer side and drawer back clamps selected distances apart prior to simultaneous adjustment vertically of the standards.

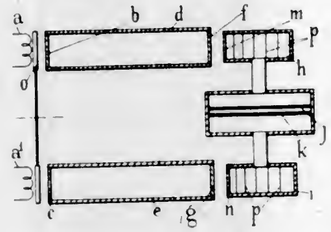
2,583,220
PROCESS OF LEVELING AND DRYING COATINGS WITH STEAM
Francis W. Lanigan, Lincoln, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
Application December 24, 1948, Serial No. 67,225
4 Claims. (Cl. 117—64)



1. The process of leveling heat and pressure-spreadable coatings on fabricated webs, which is characterized by the steps of moving a coated web continuously at a rate of 100 to 250 ft./min. past

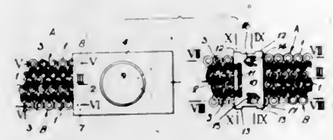
a transverse slit orifice disposed adjacent to the web, and directing against the coating material on the web from the orifice a continuous blast of steam at 21–80 lbs./sq. in. and superheated before expansion by 40 to 230° F. so that when it is expanded against the web it becomes dry supersaturated steam with no more than 4.5% indicated free moisture content, the steam being delivered at a velocity of 1000–3000 ft./sec. and at a rate of 100–290 lbs./hour/0.072 sq. inches of slit orifice area.

2,583,221
INFRARED GAS ANALYZING APPARATUS
Albert Edward Martin, Newcastle-on-Tyne, England, assignor to C. A. Parsons & Company Limited, Newcastle-on-Tyne, England
Application October 9, 1948, Serial No. 53,678
In Great Britain October 9, 1947
3 Claims. (Cl. 250—83)



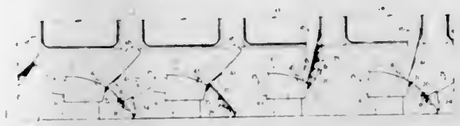
1. In gas analysing apparatus wherein infrared rays are passed by way of a rotary shutter device through two gas filled tubes fitted at each end with windows transparent to these rays, the rays afterwards acting upon the contents of two detecting chambers partitioned from one another by a thin metal diaphragm adjacent to a fixed electrode, the provision in the detecting chambers of solid material for absorbing infra-red radiations, the detecting chambers being arranged to hold gas for heating by the solid material and exerting pressure on the diaphragm.

2,583,222
SPRING BAND CONSTRUCTION
Austen Winfield Martin, Birmingham, England, assignor to Martins-Birmingham Limited, Birmingham, England, a British company
Application November 25, 1949, Serial No. 129,227
In Great Britain October 10, 1949
2 Claims. (Cl. 2—339)



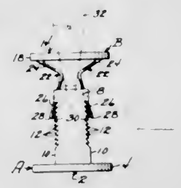
1. A spring band for personal use composed of at least one flat spring formed from wire bent from side to side in zig-zag fashion to produce transversely-connected loop coils at the bends of the wire, in combination with a clasp member fixed to one end of the band and an adjustable clasp member adjustably fitted to the other end of the band, said members having co-operating interengageable coupling portions and said adjustable clasp member comprising a plate lying across the band and provided at top and bottom edges with hook portions detachably engaging with the edges of the band, said plate also having two rearwardly-extending lugs located respectively near the top and bottom edges of the plate and engaging with the loop coils at opposite edges of the band to hold the adjustable clasp member in its adjusted position upon the band.

2,583,223
FOOT AND LEG REST FOR ROW SEATS
John J. Mayer, Philadelphia, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application October 30, 1947, Serial No. 783,163
4 Claims. (Cl. 155—171)



1. A combination foot rest and leg rest for the back of a vehicle chair comprising, a frame pivotally connected to the back of the chair for movement upward against the said back and downward to a rearward slanting position, a cushion, links swingably connecting said cushion to said frame to form a four sided linkage system including said frame, said cushion and said links as sides, the difference between the length of two adjacent sides of the said linkage system being substantially equal to the difference between the length of the other two sides, and the side of the linkage system forming the upper connection between the cushion and the frame when the frame is in the said downward and rearward slanting position being substantially shorter than the side of the linkage system diametrically opposite thereto.

2,583,224
PAPER BINDER
Richard V. McDonald, Amarillo, Tex.
Application July 7, 1949, Serial No. 103,494
1 Claim. (Cl. 24—66)



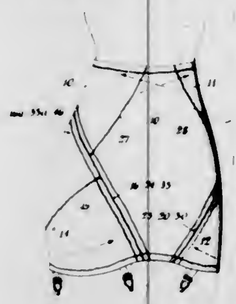
A separable fastener for perforated sheets comprising, a rear element having a disk with an inner annular groove, a pair of plates secured in said groove, spaced parallel members extending perpendicularly from said plates and having teeth on their outer edges, a front element having a disk with an inner annular groove and an opening in the center therethrough, a pair of L-shaped aligned spring wire clips, having their apexes side by side near the axis of the fastener, the upper ends of said clips engaging the groove of the disk, and the lower ends of the clips carrying cross bars, said cross bars engaging the outer edges of the spaced parallel members of the rear element to adjustably secure the front and rear element of the fastener.

2,583,225
GARMENT REINFORCEMENT
William G. Murphy, Jr., North Hollywood, Calif.
Application May 29, 1948, Serial No. 30,108
2 Claims. (Cl. 2—255)



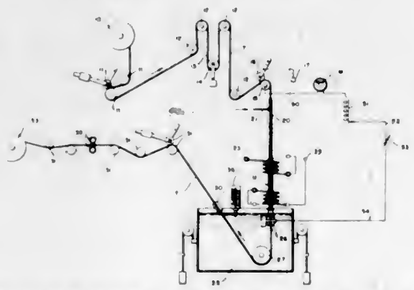
1. A reenforcing structure for a garment including a mounting portion, pockets forming a part of said structure and extending angularly with respect to each other, the successive upper and lower ends of adjacent pockets being interconnected to provide a continuous passage extending lengthwise of said mounting portion, a single reenforcing member threaded through all of said pockets and disposed in a sinuous path through the successive pockets and said member comprising a resilient body resisting lateral flexing.

2,583,226
UNDERGARMENT
William G. Murphy, Jr., North Hollywood, Calif.
Application June 4, 1948, Serial No. 31,075
1 Claim. (Cl. 2—37)



A girdle having a waist encircling upper edge and a thigh and buttocks encirling lower edge and front and rear sections, each of the front and rear sections comprising a pair of panels of material extendible in at least one direction, a double layer front central area formed by an overlap of the pair of panels of the front section, means securing the overlapped front panels together, a triangular single layer portion of each of the front panels adjacent the upper edge thereof, each of the triangular portions extending rearwardly of said girdle in a single layer from the double layer front central area on opposite sides of and adjacent to said waist encircling upper edge, an edge of each of said triangular single layer portions being adjacent to said body encircling upper edge, a double layer rear central area formed by an overlap of the panels of the rear section, means securing the overlapped rear panels together, a triangular single layer portion on each of the rear panels adjacent the lower edge thereof, each of the rear panel triangular portions extending forwardly of the girdle in a single layer from the double layer rear central area adjacent to said lower edge whereby the double layer front central area is positionable over the lower abdomen of the wearer and the double layer rear central area is positionable over the buttocks of the wearer, the single layer portions of the front panels are positionable around the waist of the wearer and the single layer portions of the rear panel are positionable over the outside of the upper thigh of the wearer.

2,583,227
INDUCTION HEAT TREATING
Ray S. Neidigh, Elgin, Ill., assignor to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois
Application January 24, 1947, Serial No. 723,921
4 Claims. (Cl. 219—47)



1. An apparatus for heat-treatment of long conductive articles, comprising an induction coil through which the article may be moved in the axial direction, means for supplying high frequency current to said coil, and separate circuit means including at least a part of the article as a series conductor portion of the circuit and including also a device in said circuit means to tune said separate circuit to the condition of essential resonance at the frequency of the current flowing in said coil.

2,583,228
COMBINED LENS COVER AND LENS BRUSH
William Numbers, Huntington, N. Y.
Application July 8, 1946, Serial No. 681,810
2 Claims. (Cl. 88—1)



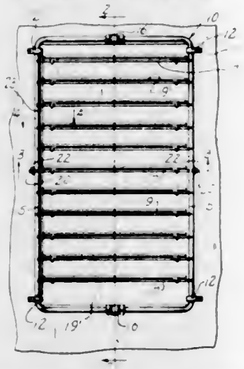
1. In a device of the character described, the combination with a lens assembly including a lens housing and a lens mounted therein, of a lens cover comprising a substantially flat member having flange means for frictionally engaging said lens housing for removably holding said cover on said lens housing, and a lens cleaning brush substantially centrally secured upon the inner side of said flat member and extending in a direction perpendicular to said flat member so as to contact the lens when the cover is in operative position upon the lens housing, the said frictional engagement permitting rotation of said cover and brush to thereby clean the lens, the said cover being formed of transparent material whereby the lens may be viewed while being cleaned.

2,583,229
PUZZLE GAME
James R. O'Neil, San Francisco, Calif.
Application September 22, 1949, Serial No. 117,145
1 Claim. (Cl. 273—153)



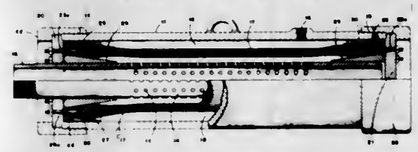
A puzzle-game comprising a plurality of base cards upon which a series of cards is to be placed in vertical overlapping relation, a series of cards adapted to be set out in a vertical row on one of said base cards and in which each card overlaps another card immediately thereunder, said cards being of the same size and of a rectangular shape and having a figure thereon, each figure on each card in the set being positioned closely adjacent to and at substantially the same distance from the top of each card carrying such figure, the several figures on the set of cards being substantially similar but of graduated physical size, as to both horizontal and vertical dimensions, throughout the set, so that when the cards are arranged in overlapped series, with only a small portion of the top edge of each card exposed, one playing the game can readily judge as to which card is in a given position in the series by observing the relative size of the exposed upper end of the figure on the card, thus enabling the game to be played readily, utilizing only a minimum of table space.

2,583,230
ADJUSTABLE WINDOW AWNING
Harold R. Peters, Evansville, Ind.
Application November 16, 1948, Serial No. 60,277
1 Claim. (Cl. 20—62)



In an adjustable window awning, a tubular frame adapted to be secured to a building, said frame embodying a pair of spaced parallel vertically disposed legs, the ends of said legs being curved, and couplings connecting the ends of said legs together a plurality of spaced parallel horizontally disposed rods extending between said legs and rotatably supported by the latter, a louver arranged adjacent each of said rods, a pair of spaced parallel clamps for connecting each of said louvers to a complemental rod, said louvers being mounted for pivotal movement about a horizontal axis, manually operable means for causing pivotal movement of said louvers, said means comprising a vertically disposed strap pivotally connected to one end of each of said louvers, a lever arranged below the lowermost of said louvers, a link connecting the lowermost louver to said strap, a bar connecting one end of said lever to said lowermost louver, the centermost of said rods having its opposite ends threaded and extending beyond said legs, and a securing element arranged in engagement with the threaded ends of said centermost rod.

2,583,231
PULSATION DAMPENER
Douglas Ragland, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application October 28, 1946, Serial No. 706,198
3 Claims. (Cl. 138—30)

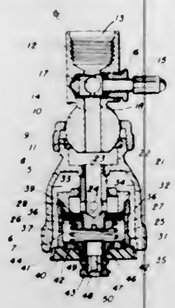


1. In a pulsation dampener including a tubular mandrel having its central portion perforated, a flexible deformable sleeve having a wall arranged concentrically outside said mandrel, and a tubular casing arranged concentrically outside said sleeve, the improvement which comprises wedge-shaped end portions on each end of the wall of said sleeve with each wedge-shaped portion diminishing in thickness toward the distal end, a pair of annular end plates adapted to be arranged in said dampener at first and second ends, and spaced apart first and second wedge-shaped annular seating members abutting against said end plates enclosing a recess adapted to receive the wedge-shaped ends of said sleeve.

2,583,232
SHOWER HEAD
Irving H. Russell, Oak Park, Ill., assignor to Sloan Valve Company, Chicago, Ill., a corporation of Illinois
Application November 5, 1948, Serial No. 58,498
8 Claims. (Cl. 299—59)

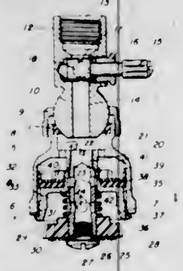
5. In a self-cleaning shower head, a casing having a water supply inlet and having a spray outlet, a water dispersing disk and a guiding connection between the disk and the casing formed and adapted to guide the disk toward and away from the spray outlet, said disk having an edge portion conforming substantially to the inner diameter of the spray outlet when opposed thereto, an assembly for moving the water dispersing disk against said spray outlet in response to a flow of water inwardly through the water supply inlet, said assembly including means adapted to initiate the flow of water between

the disk and the spray outlet at the end of the movement of the disk toward the spray oulet, the opposed edge surfaces of the spray outlet and the disk being shaped to define circumfer-



entially spaced jet discharge orifices, and means for moving the disk to a position withdrawn from said spray outlet, when the flow of water through the water supply inlet is terminated.

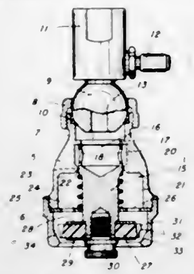
2,583,233
SHOWER HEAD
Irving H. Russell, Oak Park, Ill., assignor to Sloan Valve Company, Chicago, Ill., a corporation of Illinois
Application April 22, 1949, Serial No. 89,067
12 Claims. (Cl. 299—59)



7. In a self-cleaning shower head, a cup-shaped casing having a water supply inlet and an outlet at the open end thereof, a water dispersing disc rigidly supported in spaced relation to the open end of said casing, restricting means comprising a piston automatically controlled by the flow of water into said casing and having a skirt portion thereon movable therewith for restricting the space between said dispersing disc and the open end of the casing to cause a spray discharge to be emitted therebetween, and spring means responsive to the cessation of water flow into said casing for restoring said restricting means to open the space between said casing and said dispersing disc whereby water dripping from the shower head is eliminated.

2,583,234
SHOWER HEAD
Irving H. Russell, Oak Park, and William Elvis Sloan, River Forest, Ill., assignors to Sloan Valve Company, Chicago, Ill., a corporation of Illinois
Application April 22, 1949, Serial No. 89,068
10 Claims. (Cl. 299—59)

1. In a self-cleaning shower head, a casing having a water supply inlet and an outlet, a movable water dispersing disc positioned inside said casing and having its periphery normally spaced away from said casing outlet, means automatically responsive to water flow into said casing for causing said dispersing disc to move into engagement with said casing outlet to produce a spray discharge, said means including a stem for supporting said dispersing disc on one end and having a recess on the other end against which the water pressure is exerted to move the stem, a ring portion formed in said casing below said



stem recess normally blocking water flow from said recess and for guiding said stem in its movement, said ring portion arranged to permit water flow after said stem recess has been moved past said ring portion, the movement of said dispersing disc being in the direction of water flow through said casing, and means comprising a spring on said stem for again returning said dispersing disc to its normal position upon cessation of water flow to provide a large opening between the dispersing disc and the casing outlet to flush out sediment and to prevent dribbling.

2,583,235
CIGAR HOLDER
William E. Rybak, Sr., Cleveland, Ohio
Application November 9, 1950, Serial No. 194,813
2 Claims. (Cl. 131—13)

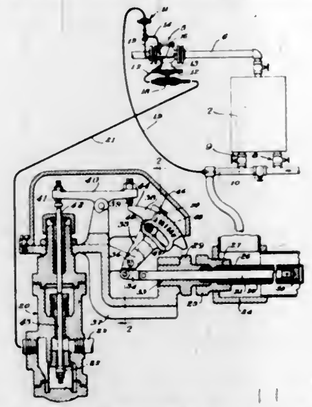


1. A cigar holder consisting of a one-piece, slender wedge-shaped body that is considerably wider than it is thick at its larger and outer end and that tapers from such end to a point at its opposite or inner end, the wider sides of the body adjacent said larger end being provided with transverse grooves within which are adapted to be engaged the teeth of a smoker, the surfaces of said wider sides being otherwise unbroken from end to end of the body, the body having notches at intervals along each of its narrower sides, said sides being rounded adjacent the larger end of the body and becoming progressively narrower and sharper toward the pointed end of the body, the surfaces of said narrow sides being unbroken outwardly of the forwardmost notches, the walls of each of the aforesaid notches converging toward the pointed end of the body thereby to provide outwardly and forwardly directed barbs.

2,583,236
TEMPERATURE CONTROL DEVICE
Paulsen Spence, Baton Rouge, La., assignor to Spence Engineering Company, Inc., Walden, N. Y., a corporation of New York
Application September 3, 1947, Serial No. 771,841
1 Claim. (Cl. 236—87)

In a device of the character indicated, a valve, two concentric elongated thermostatic members having different thermal coefficients of expan-

sion and rigidly connected to each other at one end thereof, whereby both said members may be immersed in the same fluid and their relative elongation may reflect temperature changes in such fluid, a rigid connection between said valve body and the other end of one of said members, a crank pivoted to said connection and including a relatively short actuating arm connected to the other end of the other of said members, cam means on said crank at a relatively large radius about the pivotal axis thereof, whereby circumferential movement of said cam means may be relatively large for a small relative thermal elongation of said members, said cam means includ-



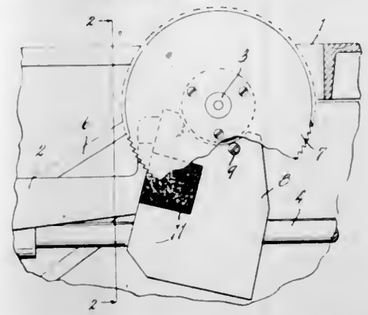
ing a first surface arcuate about the pivot for said crank and of a first substantially constant radius and a second surface arcuate about the pivot for said crank and of a second substantially constant radius with a gradually sloping transitional step between said surfaces, adjustable securing means substantially arcuately adjustable about the pivot for said crank and for adjustably angularly securing one of said surfaces with respect to the other about the pivot for said crank, and cam-follower means riding said cam means and connected directly and positively to actuate said valve when said follower means is following said step.

2,583,237
CORSAGE FRAME
Michael Stegena, Steubenville, Ohio
Application January 14, 1949, Serial No. 70,841
2 Claims. (Cl. 41—12)



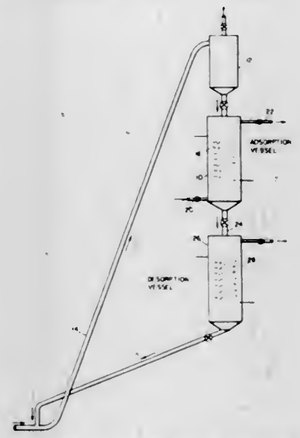
1. In a corsage holder, a series of wire frame members having coiled ends to form flat helical scrolls with their convolutions in the same plane, a series of flower holding wires having straight portions adapted to be arranged in a bundle with said wire frame members so that said scrolls will lie in the same plane, flower holding means on the ends of said flower holding wires and means for holding said wires together, said flower holding means including angularly directed prongs formed on the ends of said flower holding wires to receive the calyx of flowers secured to said holder.

2,583,238
SOUND SILENCING MEANS FOR CIRCULAR SAWS
Donald E. Sutton, Kalamazoo, Mich., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich.
Application August 10, 1949, Serial No. 109,505
5 Claims. (Cl. 143—157)



4. In a sawing machine including a saw arbor, and a circular saw blade mounted on the arbor, a sound deadening means comprising a support on said machine terminating in spaced parallel relation to the plane of the blade, and a piece of porous material of substantial area and of uniform thickness mounted on the side of the support adjacent the blade with its face adjacent to but in spaced parallel relation to one side of the blade, said piece extending radially inwardly and outwardly transversely of the peripheral line of the saw.

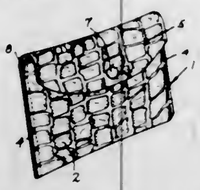
2,583,239
SEPARATION OF CARBON MONOXIDE FROM GASEOUS MIXTURES
John Watson Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 24, 1947, Serial No. 756,786
2 Claims. (Cl. 183—114.2)



1. The process of separating carbon monoxide from gaseous mixtures containing the same which comprises bringing the gaseous mixture into contact with a selective adsorbent for the carbon monoxide comprising a reduced metal supported on a porous carrier, said reduced metal having been pretreated with an agent selected from the group consisting of hydrogen sulfide, mercaptans, sulfides, sulfur, and thio-

phenes, which substantially reduces its capacity to adsorb hydrogen, then removing the adsorbed carbon monoxide from the adsorbent.

2,583,240
ASH RECEPTACLE
Edward W. Thompson, Spokane, Wash.
Application November 15, 1947, Serial No. 786,239
1 Claim. (Cl. 150—28)



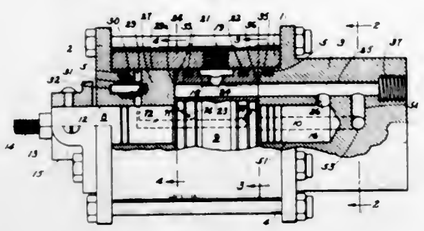
A smoker's appliance comprising a receptacle for cigarette ashes consisting of a sheet of flexible material folded to form a flat body having front and rear walls integrally united along the lower edge of the body and having side edge portions sewed together, said body being open along its top for its full width, the upper portion of the sheet of flexible material being free and constituting an extension of the rear wall forming a closure flap folded forwardly and downwardly to a closed position against the outer surface of the front wall, a lining for said receptacle consisting solely of a sheet of flexible asbestos disposed flat against the inner surface of the said sheet of flexible material and having one end portion folded forwardly and downwardly across the upper edge of the front wall and secured flat against the outer surface of the upper edge portion of the said front wall and forming a fire proof binding for the said upper edge, the other end portion of said asbestos lining extending along the inner surface of the flap beyond the lower edge of said binding and terminating in spaced relation to the lower edge of the flap and thereby provide the flap with a soft and pliable lower end portion, and fastener members carried by the front wall and the soft lower end portion of said flap and detachably engageable with each other to releasably secure the flap closed.

2,583,241
VEGETABLE DIGGER
Watson W. Tranter and Harry C. Hollinger, York, Pa., assignors to A. B. Farquhar Company, York, Pa., a corporation of Pennsylvania
Application March 23, 1949, Serial No. 82,935
16 Claims. (Cl. 55—51)



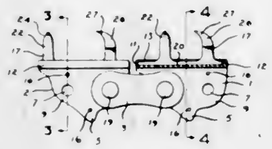
1. A vegetable digger having a frame, supporting wheels for the frame, a pair of digging means in relative side-by-side positions, coacting elevating and delivery means extending from the digging means at a point forward of the wheels to the delivery point rearward of the wheels, a toggle mechanism connected to the frame and wheels and supporting the plow means and coacting means for simultaneously lifting the digging means and for operating the toggle mechanism to lift the plow means.

2,583,242
PRESSURE SEATED REVERSING VALVE
Sylvanus C. Turkenkoph and Thomas Evans, Louisville, Ky., assignors, by mesne assignments, to Minneapolis Moline Company, Hopkins, Minn., a corporation of Minnesota
Application August 16, 1950, Serial No. 179,712
18 Claims. (Cl. 121—46.5)



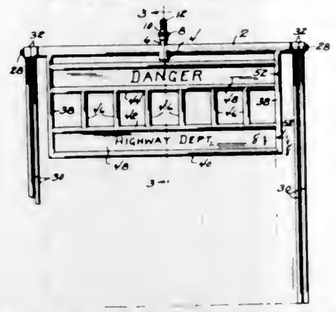
1. A control valve for a fluid motor, comprising relatively movable members, having cooperating sealing surfaces and having ports in said surfaces arranged to provide forward and reverse fluid passages and a bypass for fluid, one of said members having a pair of back pressure passages, means forming a chamber exerting pressure on one of said members, the said back pressure passages communicating with the chamber, one-way valves in the back pressure passages allowing fluid flow into said chamber and being in communication with the forward and reverse ports when the valve is in fluid bypassing condition to transmit forward and reverse differential pressures across said members to said chamber to hold said members in engagement.

2,583,243
CHAIN SAW
Charles James Tweedie, Fanny Bay, British Columbia, Canada
Application April 3, 1950, Serial No. 153,522
1 Claim. (Cl. 143—135)



A chain saw comprising center links and side links pivotally connected together, said center links being formed with a pair of mating slightly flexible side plates, each of said side plates having an offset portion to provide a substantially rectangular channel adjacent one edge with the channel opening at one side face of the plate, said plates being positioned with said side faces abutting each other and said channels opposing each other to define a head having a key slot extending along a major portion of said edge, a stop at one end of said slot, and an inserted tooth element having a base member adapted for insertion into said slot, said plate members being secured together adjacent said head to provide slight flexibility along the center line of the head and to afford a resilient grip upon the tooth element.

2,583,244
ILLUMINATED ROAD BARRICADE
Wilford H. Underwood, Atlanta, Ga.
Application April 21, 1948, Serial No. 22,391
3 Claims. (Cl. 40—130)



3. In an illuminated road barricade, a horizontally disposed hollow tube for containing liquid fuel therein, a well arranged intermediate the ends of said tube and depending from the bottom thereof, a nipple projecting upwardly from said tube and arranged in communication with the latter, a wick extending through said nipple and into said well, a housing arranged over the upper end of said wick and provided with a plurality of spaced ports, a stopper closing each end of said tube, a pin projecting from each of said stoppers, a pair of collars rotatably mounted on each of said pins, means for limiting relative movement of said collars, a leg secured to each of said collars for engagement with the ground, a frame dependingly carried by said tube and adapted to support a plurality of indicia-bearing panels.

2,583,245
TIMING DEVICE
Merritt Van Valkenburgh, Upper Nyack, N. Y., and Lawrence J. Laviana, Kensington, Conn., assignors to M. H. Rhodes Incorporated, Hartford, Conn., a corporation of Connecticut
Application August 8, 1949, Serial No. 109,114
7 Claims. (Cl. 161—1)



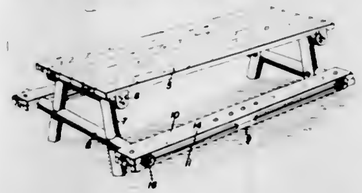
1. A dual range timing device comprising in combination, a single time train, power means to drive said train in a single predetermined direction, mechanism comprising an escape wheel and pallet member associated with said time train and operable to cause it to be driven at one rate of speed for a desired predetermined period of time, said pallet member being movably mounted for movement into and out of engagement with the escape wheel, settable means movable in setting direction to determine said period of time, said settable means being driven oppositely in timing direction by said time train, and means actuated by the settable means and engageable with the pallet member when said settable means reaches a specific position during its movement in timing direction to cause said pallet member to be moved from engagement with said escape wheel, whereby said time train operates thereafter at a faster rate of speed during continued movement of said settable means in timing direction.

2,583,246
REAMER FOR THE ROUGH ENDS OF TUBULAR MEMBERS
Willie H. Williams, Atlanta, Ga.
Application February 8, 1949, Serial No. 75,225
2 Claims. (Cl. 77—73)



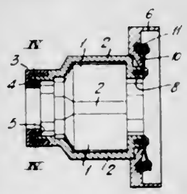
1. A reamer, including a body portion provided with a substantially flat face a circular groove extending into said body portion from said face, said groove having converging wall faces and a bottom, and a plurality of pairs of spaced-apart converging ribs, having cutting edges, extending over said wall faces and providing serrations, whereby when the end of a thin walled metallic tubular portion is inserted into said groove with the end edge of said tubular member and said cutting edges pressed together and one of said portions is rotated, said surfaces will ream said end.

2,583,247
FOLDING TABLE
Sisto Aja and Ecequiel Quijano, Syracuse, N. Y.
Application September 5, 1950, Serial No. 183,104
2 Claims. (Cl. 155—123)



2. A folding table comprising a top having pairs of legs adjacent each end of the top and foldable under the top, a transverse bar carried by each pair of legs, a seat at each side of the table and having slots in which the ends of the bars are slidable, and a locking bar in each slot and holding said transverse bar stationary to lock the legs in open position.

2,583,248
PERMANENT CORE
Alexander Bajrovic, Akers Styckebruk, Sweden
Application September 27, 1949, Serial No. 118,120
In Sweden July 2, 1949
2 Claims. (Cl. 22—166)



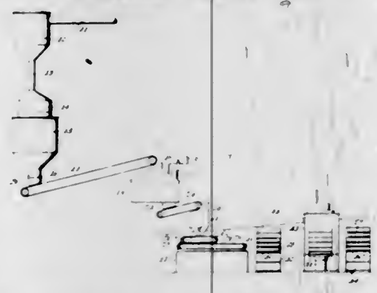
1. A hollow core of permanent character for casting purposes comprising in combination, a set of metallic wall segments, a set of metallic wedges interposed between said wall segment with their smaller ends directed radially outwardly, said segments and said wedges forming in combination a continuous outer surface when assembled in normal relation, a ring engaged by the

segments and wedges together at their one end so as to form a hinge connection allowing the wedges and segments to swing radially about said hinged connection as a fulcrum, another ring provided at the other end of the segments and wedges to maintain same in a normal circular form in combination with each other, and springs in connection with said other ring for exerting an outwardly directed pressure thereon for the purpose of maintaining the segments and wedges by a yielding force in engagement with said other ring.

2,583,249
APPARATUS FOR MANUFACTURING BOARDS OF COMPRESSED CELLULOSE MATERIAL AND THE LIKE

Merle W. Baker, Forrest F. Beil, Charles F. Curtis, II, and Edward A. Patton, Clinton, Iowa, assignors to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa

Application November 13, 1948, Serial No. 59,903
2 Claims. (Cl. 18—16)



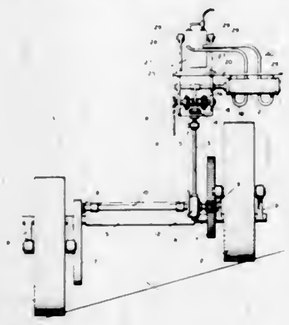
1. A container for receiving granular material to be pressed into the form of a board, said container comprising a substantially flat bottom member, side walls extending upwardly from the periphery of said flat bottom member to form a pan-like structure, and a flange overlying and disposed parallel to said bottom member adjacent to said side walls for effecting greater compression of marginal portions of a layer of said granular material when compressed in said container as compared to a central portion of said layer extending inside said flange, said flange being provided with an upstanding cutting edge extending around the inner edge of said flange to a height no greater than the upper lever of the board formed by compression of said material in said container and thus operative to define a depressed score line in said board extending at the transition from the more highly compressed margins of said board to the less highly compressed central portion of said board.

2,583,250
LEVELING DEVICE

Milfred V. Ball, The Dalles, Oreg.

Application July 27, 1948, Serial No. 40,850
2 Claims. (Cl. 280—6)

1. In combination an automatic leveling construction for vehicles, comprising a frame, a shaft mounted on the frame, said shaft having oppositely disposed arms carrying traction wheels, racks mounted on the arms, an operating shaft journalled on the frame, pinions on the operating shaft engaging the racks to reversely raise and lower the wheels, a vertically disposed shaft, gears between the vertically disposed shaft and the operating shaft, a bevelled gear at the upper end of the vertically disposed shaft, a supporting frame on the upper end of the vertically disposed shaft, a power-driven shaft mounted transversely in the supporting frame, a pair of connected bevelled gears slidably mounted on the power driven shaft, a casing pivotally mounted at the upper end of the supporting frame, a pair of oppositely disposed spaced apart valves supported in the casing, a pendulum swingingly supported in the top of the casing and depending between the spaced apart valves, an operating lever pivoted to each valve, a link connecting the operating lever, a pivotal connection between the operating lever and the pendulum, a source of power, a tubular connec-

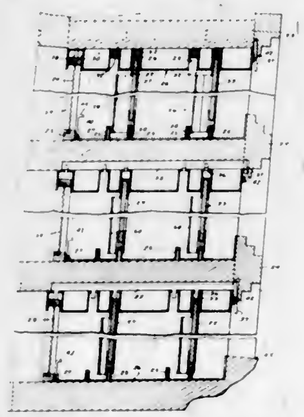


tion between the source of power and the valves, a cylinder, a piston in the cylinder, springs interposed between opposite sides of the piston and the ends of the cylinder, pipes extending from the valves, one of said pipes communicating with the cylinder on one side of the piston, and the other of said pipes communicating with the cylinder on the other side of said piston, a piston rod extending from the piston through bearings in the supporting frame, and a shifting lever between the piston rod and the pair of spaced apart bevelled gears.

2,583,251
WINDOW FRAME AND SASH UNIT

Roy E. Bowers, St. Louis, Mo.

Application November 10, 1947, Serial No. 785,081
2 Claims. (Cl. 20—52)



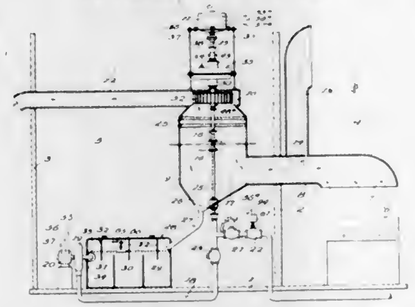
1. In a window assembly, a window frame including a horizontally disposed sill and a pair of spaced apart upstanding stiles each having the lower end secured to said sill, a horizontally disposed rail positioned between said stiles above and in parallel spaced relation with respect to said sill and secured to said stiles, at least one

intermediate horizontally disposed rail positioned between said stiles and in parallel spaced relation with respect to said first named rail and sill and secured to said stiles, a pair of upstanding tracks arranged in spaced relation positioned longitudinally of and upon the upper surface of said sill and of said intermediate rail, a support arranged longitudinally of and dependingly supported from the under surface of each of said first named rail and said intermediate rail, said support being provided with at least a pair of channelways extending inwardly from the lower face thereof, a window sash supported on said track and in said channelways for horizontal sliding movement, an abutment positioned in each of said channelways and extending inwardly from one end thereof and terminating at a point spaced from the other end engageable with the upper end of the adjacent window sash when the latter has been moved to a position contiguous thereto, a vertically arranged key positioned in each of said channelways and spaced from the adjacent abutment and mounted in each of said channelways for movement from a vertical position in engagement with the upper end of the adjacent sash when the latter is moved to a position contiguous thereto to a horizontal position out of engagement with the upper end of the adjacent sash when the latter has been moved to a position contiguous thereto, a shaft positioned transversely of and rotatably supported in said rail intermediate the ends thereof secured to said keys and having one end projecting from the face adjacent the inside face of said sill, and hand actuable means on the projecting end of said shaft for effecting the rotative movement of the latter to thereby cause the keys to be moved into and out of engagement with the upper ends of the sashes.

2,583,252
AIR OR GAS CLEANING APPARATUS

Thomas W. Carraway, Dallas, Tex.

Application May 21, 1948, Serial No. 28,432
14 Claims. (Cl. 261—26)

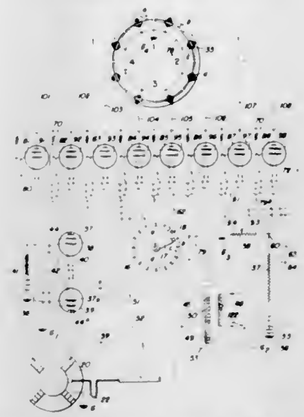


1. In apparatus for removing dust or solid particles from gas, a removal chamber; a blower including a rotor for moving the gas through said chamber; a fluid diffusing impeller mounted to rotate in said chamber at a speed different from the speed of said blower rotor; a motor for driving said impeller; means for supplying fluid to said impeller for being thrown off centrifugally by said impeller to create a diffused spray of fluid contactible by the gas as it moves through the chamber; and means for automatically starting and impositively driving said blower rotor only after said impeller has been driven, whereby a diffused liquid spray will be created in said chamber before gas is moved therethrough.

2,583,253
DEVICE FOR INDICATING THE TRUE SHAPE OF WORKPIECES

James W. Carder, Salem, W. Va.

Application August 15, 1949, Serial No. 110,401
7 Claims. (Cl. 33—169)



1. A device for testing the true shape of work pieces and for indicating deviations from said shape, comprising means for rotating said work piece, a probe arm contacting said work piece, a probe circuit closed by the contact between probe arm and work piece, an indicator, including a number of indicating lamps, each lamp corresponding to a section of the work piece, a locator switch with a rotating arm and segments, said arm being moved over said segments at a speed proportional to the speed of the work piece and being connected with the probe circuit and energized during rotation of said work piece when the same comes in contact with the probe arm and means for maintaining one or more indicator lamps operative during the entire period of contact between said probe arm and said work piece, each of said means being connected with one of the segments of the locator switch.

2,583,254
HYDROCARBON SYNTHESIS CATALYST

Alfred Clark, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application December 5, 1947, Serial No. 790,017
5 Claims. (Cl. 260—449.6)

1. A catalyst for the synthesis of hydrocarbons by the reduction of carbon monoxide with hydrogen which comprises promoted metallic iron formed by the reduction of a comminuted fused mixture of Fe_3O_4, 0.05–1.0 weight per cent of K_2O based on the Fe_3O_4, Al_2O_3 in a molecular equivalent proportion to the K_2O plus an excess of 1–2 weight per cent based on the Fe_3O_4, and CaO in the proportion of 1–10 per cent by weight of the Fe_3O_4.

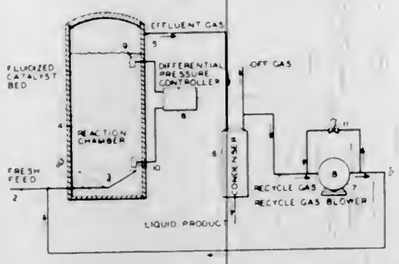
2,583,255
CONTROL OF CATALYST CONCENTRATION

Alfred Clark, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application May 24, 1948, Serial No. 28,779
9 Claims. (Cl. 260—449.6)

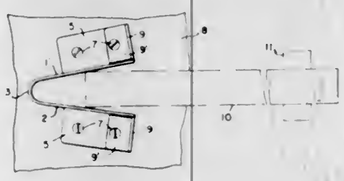
1. In a process for the synthesis of hydrocarbons and oxygenated organic compounds

wherein a finely divided catalyst is suspended in a reaction zone in a stream of upward flowing synthesis gas comprising hydrogen and carbon monoxide in the molal ratio of from 1:1 to 3:1, the improved method of controlling the density of said catalyst in said reaction zone under substantially constant pressure which comprises recycling to said reaction zone with the influent gas at least a portion of the effluent gas leaving said reaction zone, and maintaining a pressure



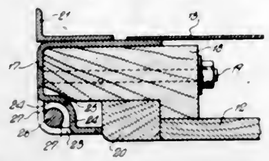
differential substantially constant between two vertically separated points in said reaction zone by varying the rate of recycle of said portion of effluent gas in response to and to compensate for variations in said pressure differential whereby the density of the suspended catalyst is maintained substantially constant and whereby the pressure within the reaction zone is maintained substantially constant.

2,583,256
DOOR SUPPORTING CLAMP
Joseph R. Dodson, Mount Oliver, Pa.
Application November 29, 1949, Serial No. 130,009
1 Claim. (Cl. 144—296)



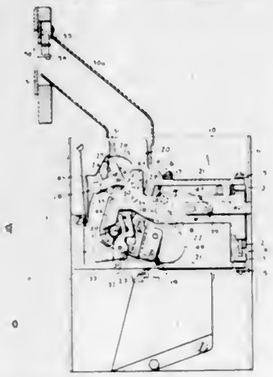
A door jack of the class described comprising the combination of a supporting base, a pair of vertically extending side walls of considerable height and being disposed in spaced relation to each other, said walls having the forward ends thereof joined together and converging from their rearward ends toward their joined forward ends, said joined forward ends of said walls being recessed to form an opening at the forward lower corner of said walls, an apertured horizontally disposed attaching flange projecting laterally outward from the lower edge of each of said walls and extending from said opening to the rearward end of respective walls, an out-turned reenforcing flange formed at the rearward end of each of said walls and extending throughout the height of the latter, an apertured forwardly disposed attaching lug formed at the lower end of each of said reenforcing flanges and seating on respective attaching flanges, and fastening elements extending through said apertured attaching flanges and through said apertured attaching lugs for securing said lugs to respective attaching flanges and for securing the latter to said base.

2,583,257
DOOR POST AND TIE STRAP ANCHOR
William F. Dietrichson, Garden City, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application February 11, 1949, Serial No. 75,948
3 Claims. (Cl. 105—369)



1. In a freight car, the combination of a sheet metal U-shaped door post having openings in one corner thereof, and a lading strap anchor rod fixed in the corner of the post and extending lengthwise across the openings, the sides of said openings being spaced from said rod sufficiently to provide anchor strap clearance therebetween.

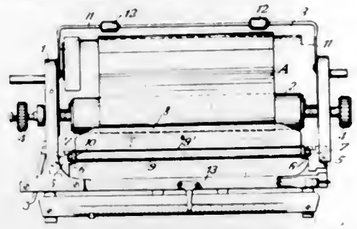
2,583,258
COIN SELECTOR
Russell J. Donohue, Cambridge, Ohio
Application July 19, 1949, Serial No. 105,605
3 Claims. (Cl. 194—97)



1. A coin selector mechanism comprising a relatively stationary plate, a pivoted gate arranged upon one side of the plate and movable to closed and opened positions with respect to the plate and having a track to be moved close to the plate when the gate is in the closed position, the plate, gate and track forming a coin chute when the gate is in the closed position, a spring to bias the gate to the open position so that the coin supported by the track will fall from the track, an electromagnet mounted upon the gate and when energized serving to move the gate to the closed position and also serving when energized to hold a rejected magnetic coin fed upon the track and to release said rejected magnetic coin when de-energized, a circuit connected with the electromagnet, time-controlled means to open and close the circuit, and coin operated means to actuate the time-controlled means.

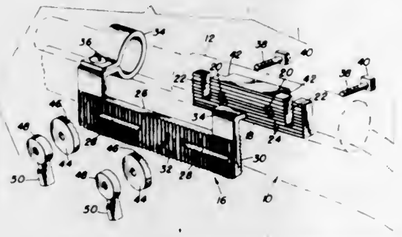
2,583,259
ERASURE-DEBRIS COLLECTOR ON TYPEWRITERS AND LIKE MACHINES
Walter Ettmüller, Zurich, Switzerland
Application November 8, 1948, Serial No. 58,905
In Switzerland November 8, 1947
2 Claims. (Cl. 197—181)

1. In combination with a typewriter or the like machine having a carriage and a platen, an erasure-debris collecting device swingably mounted on the carriage, and extending in the direction of the platen, the collecting device being formed with a collecting trough from which two arms



extend angularly disposed to each other, one of which arms serves as an apron lying against the platen when in operative position for collecting debris and against the carriage when swung to non-operative position.

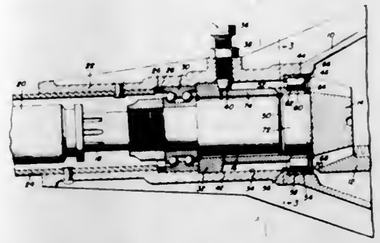
2,583,260
TELESCOPE SIGHT MOUNT FOR FIREARMS
Thomas R. Felix, Meriden, Conn.
Application June 28, 1950, Serial No. 170,857
1 Claim. (Cl. 33—50)



Telescope sight mounting means comprising an elongated mounting plate adapted to be secured to a side of a firearm and provided with a plurality of vertical slots having open upper ends, said mounting plate having an outer surface provided with horizontally extending serrations, a carrier plate disposed at the outer surface of said mounting plate and provided with a plurality of horizontal slots in register with the respective vertical slots, said carrier plate having an outer surface provided with vertically extending serrations and an inner surface provided with horizontally extending serrations in sliding engagement with the horizontal serrations on the mounting plate, inwardly offset telescope sight receiving clamps provided at the upper edge of the carrier plate, a set of fastening screws extending outwardly through the registering slots in the mounting and carrier plates, washers provided on outer end portions of said screws and having inner surfaces provided with vertically extending serrations in sliding engagement with the vertical serrations on said carrier plate, and clamping nuts provided on said screws at the outer surfaces of said washers.

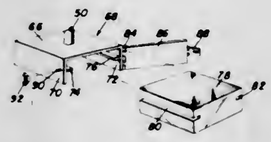
2,583,261
DEVICE FOR REPAIRING PINION BEARINGS
Theodore C. Gerner, Oklahoma City, Okla.
Application November 4, 1947, Serial No. 783,894
7 Claims. (Cl. 308—207)

1. In a differential ring gear and pinion assembly having a housing, front and rear bearing seats therein, a bearing in said front bearing seat, a pinion shaft journaled in said bearing and an annular peripheral groove in said shaft; the combination therewith of a replaceable rear bearing having an outer race receivable in said rear bearing seat and having an inner race receivable upon the worn original inner face of said shaft,



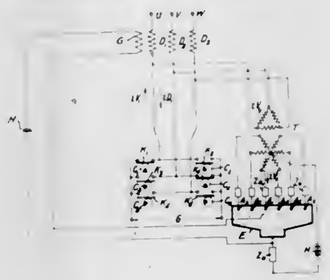
anti-friction members between said races, and means for retaining said replacement inner race upon said original race against relative movement.

2,583,262
POTTERY DIE
William M. Glaab, Wellsville, Ohio
Application June 27, 1950, Serial No. 170,587
1 Claim. (Cl. 25—129)



A die half comprising a casing, said casing comprising a top, an end wall and side walls secured to each other, guides secured to said side walls, a glass die plate slidably engaging said guides, and another end wall pivotally attached to one of said side walls for locking said die plate in said casing.

2,583,263
MECHANICAL CURRENT CONVERTER FOR CIRCUIT INTERRUPTION
Alexander Goldstein, Wettingen, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland
Application December 29, 1947, Serial No. 794,271
In Switzerland October 9, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 9, 1962
10 Claims. (Cl. 321—48)



1. The combination with multi-phase mechanical converter apparatus in which rectification

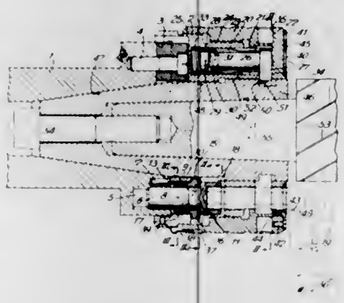
from a multi-phase alternating current supply source is attained by sets of switch contacts operated in timed relation with the phase voltage waves of the source, and in which commutating reactors are connected in each of the several phases; of means for minimizing sparking across the several sets of switch contacts at their respective opening periods, said means comprising, an auxiliary source of voltage, a multi-anode single-cathode type of discharge valve including control grids individual to each anode for controlling the conductivity of each anode-cathode path, a multi-phase transformer connecting the said discharge valve in parallel relation to said switch contacts, the several phases of the secondary side of said transformer being connected respectively to the several phases of said mechanical converter, and the several phases of the primary side of said transformer being star arranged and connected respectively to the several anodes of said discharge valve, the common cathode of said discharge valve being connected to the star point of said transformer primary, and means deriving control grid voltage pulses for the several anodes of said discharge valve from the correspondingly phased reactors to render the various anode-cathode paths of said discharge valve conductive at the beginning of the low current intervals established respectively by said reactors.

2,583,264

CHUCK

Friedrich Herrmann, Rorschach, Switzerland, assignor to Rigid Limited, Rorschacherberg, Switzerland

Application August 20, 1946, Serial No. 691,776
In Switzerland August 27, 1945
2 Claims. (Cl. 90—11)



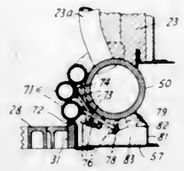
1. In a chuck and tool spindle assembly, a socket secured to the tool spindle, a plurality of rotatable and axially movable hollow pistons axially mounted within said socket and equally spaced around the axis of the spindle, said pistons being provided with external gear teeth, a threaded sleeve screwed on an external threaded surface of said socket, said sleeve having an internal face extending transversely to the axis of the spindle, an internal gear rim on said sleeve in engagement with the gear teeth of all said pistons, a plurality of clamping cams each rotatably mounted in one of said hollow pistons and in frictional engagement therewith, whereby, upon rotation of said sleeve, said pistons are turned and cause said clamping cams to turn either into tool locking or tool releasing position, and means tending to urge the clamping cams towards said transverse internal face of the sleeve whereby the cams are axially moved when turning said sleeve for releasing the tool.

2,583,265

GRATE FIRED FLUID HEATING UNIT

Ralph C. Huston, Wadsworth, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey

Application March 6, 1948, Serial No. 13,369
7 Claims. (Cl. 122—4)



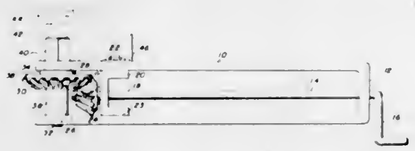
1. In a furnace having a grate associated with the combustion chamber thereof, a fluid conducting header arranged marginally adjacent the fuel supporting surface of said grate, a group of fluid conducting tubes paralleling said header at the side toward said grate, and means tying said tubes to said header and maintaining successive tubes of said group in contacting relationship.

2,583,266

GEAR-OPERATED CRANKCASE DRAIN PLUG WRENCH

Wilbur C. Jenson, Grand Forks, N. Dak.

Application July 11, 1950, Serial No. 173,135
2 Claims. (Cl. 81—57)



1. A gear operated crank case drain plug removing wrench of the class described comprising an elongated U-shaped frame having relatively long duplicate reach arms disposed in spaced apart parallelism and joined together at their proximal ends by an apertured bight portion, a rigid substantially C-shaped spacing and bracing bracket embodying lateral ends and a connecting portion for said ends, one of said lateral ends being permanently secured to the inward surface of one of said reach arms at a point spaced inwardly from the distal ends of said reach arms, the remaining reach arm having separable contact with the other lateral end of said bracket, the intermediate portion of said bracket being provided with an aperture lined up with the aperture in the bight portion and said apertures providing aligned bearings, assembling and fastening screws carried by said remaining reach arm and separably joined to said last named lateral end, a crank disposed adjacent to said proximal end having an elongated shank rotably mounted in said bearings and situated in spaced parallelism between the respective reach arms, a pinion carried by the distal end of said shank and situated between the bracket and distal ends of said reach arms, and an insertable and removable gear unit embodying a hub and a gear carried by said hub, one end of the hub being reduced and providing a journal and the adjacent reach arm having a bearing for said journal, the opposite end of said hub having a non-circular extension and a coacting journal, said extension

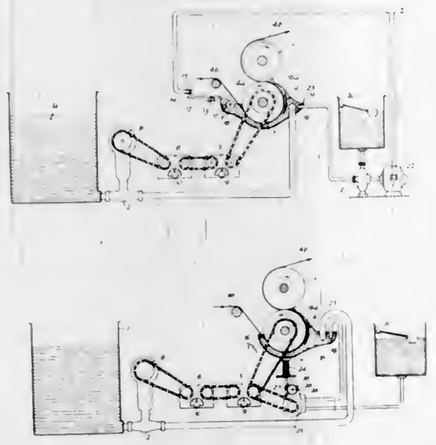
projecting beyond the remaining reach arm and said journal being rotatable in a bearing provided therefor in said last named reach arm, said pinion being in mesh with said gear.

2,583,267

APPARATUS FOR CONTINUOUSLY APPLYING A PRESCRIBED AMOUNT OF LIQUID COMPOSITION TO A MOVING LINEAR MATERIAL

Eric H. Jones and Sydney Alfred Shorter, Didsbury, Manchester, England, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England, a British association

Original application December 22, 1948, Serial No. 66,596. Divided and this application November 23, 1949, Serial No. 129,046. In Great Britain December 30, 1947
4 Claims. (Cl. 91—46)



1. Apparatus for continuously applying a prescribed amount of liquid composition to a moving linear material and wherein the amount of take-up of the composition by the material varies, comprising a reservoir, a container for the liquid composition connected with said reservoir, a pump in the connection between the reservoir and the container for supplying the liquid composition to the reservoir, a second container for a diluent connected with the reservoir, a pump in the connection between the diluent container and the reservoir for supplying the diluent to the reservoir, the liquid composition pump supplying a constant regulated prescribed amount of the composition to the reservoir, the diluent pump supplying a variable amount of the diluent to the reservoir, a control member movably mounted externally of the reservoir and adjacent thereto and reacting in response to a change of the amount of the liquid in the reservoir resulting from the varying take-up of the composition by the material, said member being operatively connected with the second mentioned pump to control the variable supply of the diluent to the reservoir, so that as the material moves in contact with the liquid in the reservoir, and as the result of the varying take-up of the composition by the material, more or less of the liquid in the reservoir will be taken up, whereby the overall application of the liquid composition to the moving material is substantially of the prescribed amount and uniform throughout the length thereof.

2,583,268

PROCESS OF PREPARING COLD-SWELLING STARCH PRODUCTS

Jan Lolkema, Hoogezand, and Willem Albertus van der Meer, Haren, Netherlands, assignors to Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands, a corporation of the Netherlands

No Drawing. Application March 19, 1948, Serial No. 15,956. In the Netherlands March 25, 1947
6 Claims. (Cl. 260—14)

1. A process of manufacturing starch preparations soluble in cold water to solutions which after the addition of a catalyst for the condensation when dried on the surface of a material will produce insoluble films which comprises heating a mixture having a pH of at least 5 of a starch material containing free hydroxyl groups, water, a material from the group consisting of a mixture of a phenol and formaldehyde, a mixture of a phenol, melamine and formaldehyde, a precondensate of a phenol and formaldehyde and a precondensate of a phenol, melamine and formaldehyde on a rotary drum to a temperature adapted to remove the water and to gelatinize the starch material, while pressing out the said mixture under mechanical pressure to a thin layer which is simultaneously dried and comminuting the dry film.

2,583,269

PROCESS FOR DYEING ONLY THE FLESH SIDE OF CHROME-TANNED FUR SKINS

Ernst Lüscher and Albert Engeloch, Basel, Switzerland, assignors to Sandoz A. G., Basel, Switzerland, a Swiss firm

No Drawing. Application August 26, 1949, Serial No. 112,646. In Switzerland August 30, 1948
3 Claims. (Cl. 8—10)

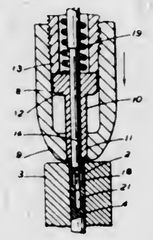
1. In a process of dyeing a chrome tanned fur skin with reserve of the fur, the flesh side only being dyed, the step of dyeing the chrome tanned fur skin with a substantive dyestuff in an aqueous solution containing a capillarily active substance selected from the group consisting of soap, oleic methyltauride, the oleic ester of hydroxyethanesulfonic acid, glycerolmonooleate ester sulfonate and lauryl alcohol sulfonate at a temperature of 40 to 50° C. whereby the fur remains undyed while the flesh side is dyed.

2,583,270

PRODUCTION OF TUBULAR RIVETS AND SIMILAR ARTICLES

Ezra Herbert Lynall, Four Oakes, England

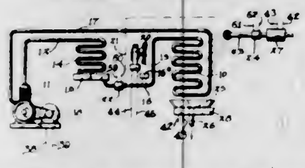
Application September 22, 1947, Serial No. 775,510
In Great Britain August 18, 1947
10 Claims. (Cl. 10—11)



1. A method of cold forging by means of a rivet heading machine a tubular rivet having an external head flange at one end only of a shank of plain cylindrical external form provided with a stepped bore formed by making a thickened

wall portion of substantial length at the unflanged end of the shank from a tubular blank in the form of an unflanged cylindrical shell of substantially uniform bore and wall thickness, comprising a preforming operation and a finishing operation performed on said tubular blank, said preforming operation consisting in initially forming the flanged head by pressure applied axially by means of a first punch and said finishing operation consisting in forming the bore of the tubular blank by pressure applied axially by a second punch which upsets inwardly part of the metal forming the interior of said blank to cause it to shrink onto a stepped mandrel carried by said second punch, said stepped mandrel having one part with an external diameter approximately the same size as the uniform bore of the blank, and another part with an external diameter appreciably smaller in size than the uniform bore of the blank, said blank being accommodated snugly during the preforming operation and during the finishing operation within a die cavity which restrains the blank against any appreciable swelling.

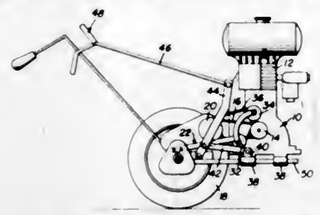
2,583,271
FREEZER DEFROSTER
Harvey H. Mellion, Spring Valley, N. Y.
Application December 13, 1947, Serial No. 791,522
3 Claims. (Cl. 62—4)



1. An auxiliary apparatus for defrosting a refrigerating system of the kind including an electrically operated compressor, an electrically operated blower, an evaporator, a refrigerant supply line from said compressor to the evaporator and a water-spray defrosting means for the evaporator, comprising a normally open solenoid operated valve in the supply line to be energized to close and stop the flow of refrigerant when defrosting is to take place, normally inoperative heating means beneath the evaporator and on the water-spray means, a normally closed solenoid operated valve on the water-spray means to be energized to open and start the flow of water from the spray means onto the evaporator, and manually settable circuit means for stopping operation of the compressor and the blower, for closing said normally open solenoid, for energizing said heating means and for opening said normally closed solenoid.

2,583,272
REVERSING ATTACHMENT FOR GARDEN TRACTORS
William H. Metzler, Stirling, N. J., assignor of fifty per cent to May V. Metzler, Stirling, N. J.
Application July 12, 1950, Serial No. 173,455
4 Claims. (Cl. 74—220)

1. In a garden tractor equipped with a drive pulley and a belt mechanism to operate the tractor in only one direction, a conversion assembly to render the tractor operable additionally in a reverse direction, said assembly comprising a bracket having a pair of spaced idler pulleys carried thereby, an auxiliary belt entrained around said idler pulleys and a part of said mechanism, a part of said auxiliary belt being disposed adjacent the side of said drive pulley opposite from that part of the drive pulley which is contacted by the belt of the mechanism, and means



for displacing said drive pulley to drivingly contact selected belts.

2,583,273
CENTRIFUGAL SWITCH
Donald L. Miller, Elmira, N. Y., assignor to Bendix Aviation Corporation, a corporation of Delaware
Application September 2, 1949, Serial No. 113,778
3 Claims. (Cl. 200—80)



1. In a centrifugal switch a rotatable body of insulating material having diametrically arranged sealed pockets arcuate in shape partially filled with a conducting liquid, pairs of contacts fixed in said pockets in position to be immersed in said liquid when the liquid occupies the central portions of the pockets, and means for connecting said pairs of contacts in series in a circuit to be controlled by the switch; said pockets being provided with substantially medially arranged partitions having openings permitting leakage of the fluid therethrough.

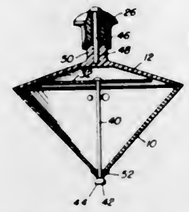
2,583,274
PROCESS FOR PRODUCING MINERAL-COATED PAPER
George E. Niles, Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 30, 1947, Serial No. 745,121
6 Claims. (Cl. 117—155)

1. The process of producing a mineral-coated printing paper of high brightness and having excellent ink receptivity which consists in coating at least one side of a paper body stock with an aqueous slurry consisting essentially of water, a pigment and from 4 to 30% by weight based on said pigment of a binder consisting of a copolymer of from 33 to 65% by weight of styrene and from 67 to 35% by weight of an alkyl acrylate, said copolymer being dispersed in said slurry and being the sole binder for said pigment, and then drying and calendering the coated paper stock.

2,583,275
SPINNING TOP
Robert D. Olson, Fort Wayne, Ind.
Application April 5, 1949, Serial No. 85,554
1 Claim. (Cl. 46—49)

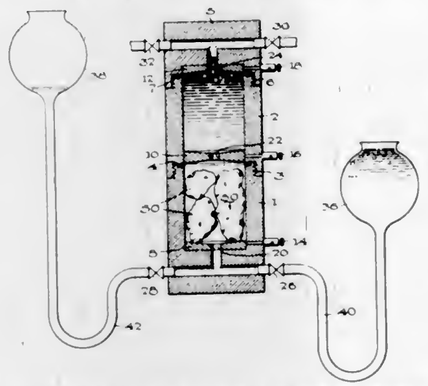
A toy top including a conical housing, a transparent concave cover disk seated on the upper

edge of said housing, a fixed disk-like partition disposed transversely in the housing at the juncture of the housing and cover disk, said partition being inscribed with a multi-colored pattern, a centrally apertured head on said cover disk, a vertical spindle disposed in said head, a hub having an annular side wall disposed on said spindle, a flat rotatable disk disposed in said housing and spaced above the partition, said disk having a multi-colored pattern formed on its upper surface and having its circumferential edge spaced inwardly from the side wall of the housing to expose therebeyond the outer edge of the partition, the portion of said cover disk



directly overlying said outer edge being transparent, and means carried by said rotatable disk for varying the speed and manner of rotation thereof independently of the rotation of the housing, said housing having an aperture at its minor end and having a bearing therein, said last-named means including a vertical shaft fixed at one end to said disk and rotatably disposed through said partition and bearing, and a semi-spherical tip on said shaft at its outer end with the flat side for spinning frictional contact on the surface supporting the top whereby the relative speed between said disk and said housing is varied.

2,583,276
METHOD OF DETERMINING FORMATION FACTOR OF IRREGULAR ROCK SAMPLES
Homer W. Patnode, Hampton Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application April 20, 1950, Serial No. 157,124
6 Claims. (Cl. 175—183)



1. A method of determining a characteristic of a porous medium which comprises obtaining a sample of said medium, saturating said sample with an electrically-conducting liquid, preparing a dispersion, whose continuous phase is of the same composition as said liquid and having a dispersed phase of higher electrical resistivity than said liquid, measuring the electrical resistance of an electrolytic cell filled with said liquid, measuring the electrical resistance of said electrolytic cell filled with said saturated sample surrounded by said liquid, measuring the electrical resistance of said electrolytic cell filled with said dispersion, and measuring the electrical resistance of said electrolytic cell filled with said saturated sample surrounded by said dispersion, whereby a characteristic of said sample may be computed from said measured resistances.

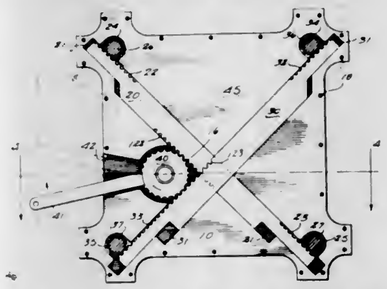
2,583,277
EMULSION POLYMERIZATION WITH A REDOX CATALYST COMPRISING A DIAZO THIOETHER
William B. Reynolds, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application April 24, 1947, Serial No. 743,716
15 Claims. (Cl. 260—84.1)

1. An improved process for producing a synthetic rubber, which comprises copolymerizing in an aqueous emulsion at a polymerization temperature a monomeric mixture comprising a major amount of butadiene-1,3 and a minor amount of styrene in the presence of a redox catalyst comprising essentially an oil-soluble diazo thioether having the formula

$$R-N=N-S-R'$$

where R is a member of the class consisting of aromatic radicals and R' is a member of the class consisting of aromatic, cycloalkyl, and aliphatic radicals in an amount between 0.05 and 2 parts, an easily oxidizable organic reducing agent selected from the group consisting of aldoses and ketoses in an amount between 0.05 and 5 parts, and a salt of a heavy metal capable of existing in more than one valence state selected from the group consisting of iron, cobalt, nickel and copper in an amount between 0.001 and 0.2 part, all parts by weight per 100 parts of said monomeric material, and recovering from effluents of said polymerization a synthetic rubber so produced.

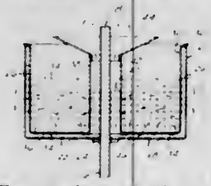
2,583,278
ADJUSTABLE RAILWAY CROSSING
Louis Rosenblatt, Wildwood, and William A. Moore, Tampa, Fla.
Application March 14, 1950, Serial No. 149,474
3 Claims. (Cl. 246—378)



1. In a railway crossing, a rectangular bed plate, a rectangular base plate mounted on said bed plate, said base plate being formed with pairs of laterally spaced wheel flange grooves intersecting at right angles with respect to each

other with the grooves positioned parallel to adjacent sides of the bed plate, vertical cylindrical frogs mounted on said base plate in the region of the intersections of the wheel flange grooves for rotation on vertical axes, said frogs including laterally offset semi-cylindrical heads on their upper ends and pinions, two crossed shuttle bars mounted on said bed plate for endwise movement and extending diagonally between corners of said bed plate, said shuttle bars having rack portions at their opposite ends in mesh with related ones of the frog pinions and intermediate rack portions intermediate their ends, and a single lever operated pinion mounted on said bed plate in mesh with said intermediate rack portions of the shuttle bars.

2,583,279
PERCOLATOR COFFEE MAKER
Arnold E. Rudahl, Middlefield, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application February 24, 1950, Serial No. 145,981
4 Claims. (Cl. 99—311)



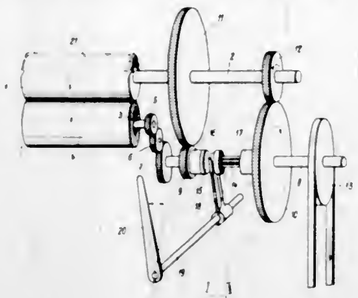
1. In a coffee maker of the percolator type having a fountain tube rising from the bottom thereof, the combination therewith of a cup-shaped member surrounding the upper portion of said fountain tube, and a cup-shaped basket nested within said member and spaced therefrom at its bottom and sides, the bottom and sides of said basket and the sides of said member being perforated, said basket further having a perforated sleeve extending upward from the bottom thereof in spaced surrounding relation to said fountain tube and being open at its ends, and means for deflecting fluid raised by the fountain tube into said sleeve exterior of the tube.

2,583,280
PROCESS FOR THE CHEMICAL TREATMENT OF SAND FOR GLASSMAKING
Herbert Daymond Segrove, Thornton Heath, England, assignor to Standard Brick & Sand Company Limited, Holmethorpe, Redhill, England
No Drawing. Application December 14, 1949, Serial No. 133,000. In Great Britain December 16, 1948
10 Claims. (Cl. 23—182)

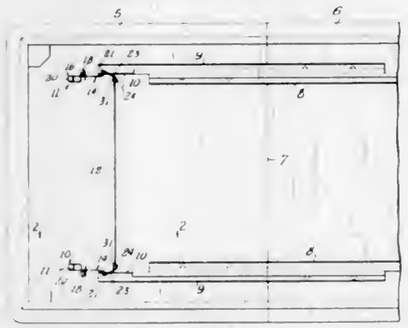
1. A process for the removal of a ferruginous coating from sand which comprises agitating sand with a dilute aqueous solution of hydrofluoric acid containing a substance selected from the group consisting of hydrosulphurous acid and an alkali metal hydrosulphite.

2,583,281
COMB-CYLINDER CLEARING ARRANGEMENT IN COMBING MACHINES
Karl Strässler, Winterthur, Switzerland, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland
Application February 10, 1947, Serial No. 727,626
In Switzerland October 9, 1946
3 Claims. (Cl. 19—116)

1. In a textile combing and comb-cleaning and clearing mechanism, a drive shaft, a comb-cylinder having a shaft, a comb brush cylinder having a shaft, means continuously connecting the shaft of the brush cylinder with the drive shaft to drive the brush cylinder, and variable speed drive means interposed between the shaft of the comb cylinder and said drive shaft for driving the former at different relative speeds for normal operation and cleaning of the comb-cylinder and for clearing of the comb-cylinder of objects not removed in normal speed operation, said variable speed drive means including a shifting mechanism and means for operating said shifting mechanism.

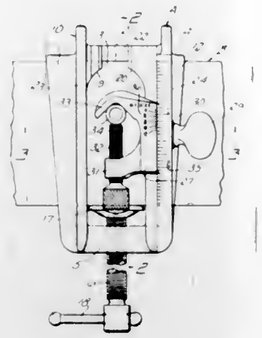


2,583,282
LOCK FOR EXTENSION TABLES
Philip M. Virtue, Los Angeles, Calif., assignor to Virtue Bros. Mfg. Co., Los Angeles, Calif., a corporation of California
Application September 21, 1948, Serial No. 50,297
2 Claims. (Cl. 311—49)



1. In a lock for an extension table having relatively slidable top sections, two spaced latch units mounted on the under surface of one top section for releasably engaging the other top section, and a flexible and integral connecting member for manual flexing actuation of said units, each latch unit comprising an integral length of spring wire formed to have a spring arm, a fixed arm, and a resilient coiled connection for said arms, and said spring arm being formed with an offset latching portion adapted to releasably engage said other top section and with an end extension terminating in an eye effecting connection with said flexible connection member, said end extension being angled with respect to the general longitudinal disposition of said spring arm to provide a portion adapted to be engaged by said other top section to effect inward flexing of the spring arm upon movement of said table sections toward each other.

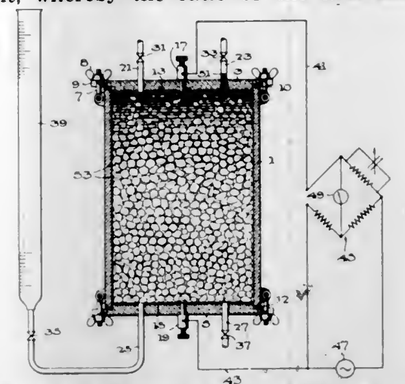
2,583,283
DOWELING JIG
Frederick A. Volz, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application February 11, 1947, Serial No. 727,896
1 Claim. (Cl. 77—62)



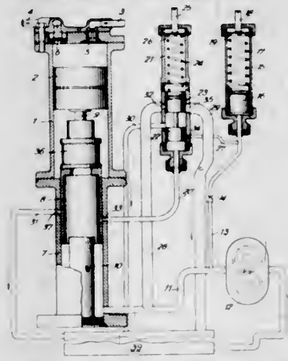
In a doweling jig of the type having a frame constructed to overlie a workpiece and provided with a downwardly extending flange at one end for engaging one side of the workpiece, manually adjustable means at the other end of the frame for engaging the opposite side of the workpiece, a slide having a V-shaped seat for receiving a cylindrical bit guide and mounted for sliding movement on the frame to move the apex of the seat in a path perpendicular to the flange, means for selectively securing cylindrical bit guides of varying diameter in said seat, and means for securing the slide in selected position relative to the flange of the frame, a pair of cooperating scales rendering the slide quickly and easily settable consisting of a first upwardly facing and easily visible scale on the frame at right angles to the flange and consisting of markings at measured distances from the flange and a second upwardly facing and easily visible scale on the slide in side by side relation with the first scale and consisting of a series of markings disposed at the transverse center lines of the bit guides of varying diameter receivable in said seat and indicia identifying the bit guide and corresponding center line.

2,583,284
METHOD FOR DETERMINING A PARAMETER OF EARTH FORMATIONS PENETRATED BY A BOREHOLE
Malcolm R. J. Wyllie, Indiana Township, Allegheny County, Pa., and Gordon A. Hogg, Kuwait, assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application April 20, 1950, Serial No. 157,154
11 Claims. (Cl. 175—183)

1. A method of determining a characteristic of a porous medium which comprises obtaining fragmentary samples of said medium, saturating said fragments with an electrically-conducting liquid, measuring the electrical resistance of a quantity of said saturated fragments, and measuring the electrical resistance of the said liquid displaced by said quantity of fragments when immersed therein and having the same electrical configuration as in said first measurement, whereby the ratio of the first said resistance to the second said resistance may be computed as a characteristic of the medium.



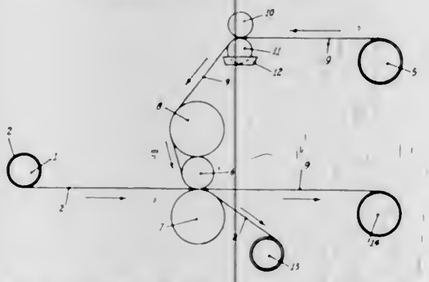
2,583,285
HYDRAULIC PISTON-CONTROL RIGGING FOR REFRIGERATOR-COMPRESSORS
Otto Zehnder, Granichen, Switzerland, assignor to Gebruder Zehnder Radiatoren- & Apparatebau, Granichen, Switzerland
Application March 28, 1946, Serial No. 657,748
In Switzerland April 3, 1945
3 Claims. (Cl. 230—52)



1. A piston compressor type of refrigerating plant comprising a compressor having a cylinder and a piston, the filling stroke of which is produced by the pressure of the vapor of expanded refrigerant, a motor having an operative piston drivingly connected with the compressor piston to produce the discharging stroke of the compressor piston, while the said driving piston partakes of the motion of the compressor piston in its filling stroke, thereby being displaced in the driving motor, said motor having a pressure cylinder in which the driving piston is located, a supply reservoir for operating liquid, a pressure pump for supplying driving pressure liquid to the driving motor, a supply conduit connecting said pump with said motor cylinder, a subsidiary cylinder, an auxiliary cylinder, the subsidiary cylinder and the auxiliary cylinder each being provided with a spring-loaded piston, a conduit connecting the driving motor at an intermediate point of its stroke with the subsidiary cylinder on the opposite side of its piston from its loading spring, a conduit connecting the auxiliary cylinder at a point on the opposite side of its cylinder from its loading spring with a point of the subsidiary cylin-

der which is blocked by its piston when its spring is fully expanded and is opened when the piston moves to compress its spring, so that the auxiliary piston is then supplied with driving liquid, return pipes leading from the cylinder of the operating motor and from the subsidiary cylinder to the supply reservoir the piston in the auxiliary cylinder therefore, being moved against the force of its piston loading spring, during the pressure stroke of the operating piston, and at the end of the stroke forcing pressure fluid from the motor cylinder to the subsidiary cylinder and moving the subsidiary cylinder piston against the force of its piston loading spring to thereby connect the auxiliary cylinder with the subsidiary cylinder and by means of the subsidiary cylinder piston open the proper return pipe so as to change the compressor piston over to filling stroke, the returning operating piston being thereupon at first temporarily cut off from the pressure cylinder and thereupon connected with its return pipe, the piston of the subsidiary cylinder being then moved by its spring and serving to cut the subsidiary cylinder off from the auxiliary cylinder and to close the return pipe of the subsidiary cylinder, thus producing the discharging stroke of the operating piston and again supplying pressure liquid to the auxiliary cylinder.

2,583,286
PROCESS FOR PRINTING TEXTILE FABRICS
Carlo Albini-Colombo, Milan, Italy
Application June 4, 1948, Serial No. 31,045
In Italy March 3, 1948
7 Claims. (Cl. 154—97.5)



1. In a method of transferring a colored design onto fabrics, the steps of applying a film of an insoluble glue to one side of a paper sheet, prepared from a resinous half size pulp weighing 60–70 grams per square meter, hereupon coating said glue film with a layer of a fatty substance, color-printing the design on the treated side of said paper sheet, supporting the designed paper sheet on a paper strip made of a stronger paper than that of the said sheet, superposing a wetted fabric on said designed paper sheets and subjecting the fabric and the strip to the simultaneous action of heat and pressure.

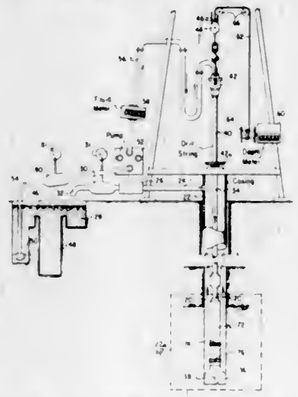
2,583,287
RADIO TOWER ANTENNA
Johnnie Andrews, Fort Worth, Tex.
Application May 12, 1948, Serial No. 26,585
1 Claim. (Cl. 250—33)

In a tower antenna, vertical sections connected end to end and in which the sides of the upper said sections are parallel with respect to each other, each said upper section being comprised of corners of angle steel, together with horizontal and diagonal struts connecting and supporting the adjacent said corners of each said section, horizontal frequency bonds arranged diagonally of said sections and spaced at 10 foot intervals one above the other in the upper end of said tower and each said bond being electri-



cally conductively connected with its adjacent said corners, and low resistance electrical bonds connecting the ends of said sections in their described relation.

2,583,288
WELL OR BOREHOLE LOGGING
Jan Jacob Arps, Tulsa, Okla.
Application November 12, 1948, Serial No. 59,656
7 Claims. (Cl. 250—83.6)

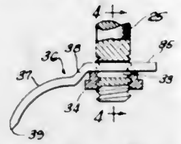


1. A method of logging a bore hole or well which includes injecting into the bore hole a neutron emitting substance capable of contaminating the earth's formation in the vicinity of the hole, and thereafter running a pair of neutron responsive logs spaced in time relative to the injection to obtain information regarding characteristics of the earth's formation.

2,583,289
PHONOGRAPH STYLUS
Benjamin B. Bauer, Oak Park, Ill., assignor to Shure Brothers, Incorporated, Chicago, Ill., a corporation of Illinois
Original application August 30, 1947, Serial No. 771,433. Divided and this application April 30, 1949, Serial No. 90,688
1 Claim. (Cl. 274—38)

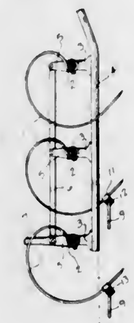
A stylus for engaging a record groove having lateral undulations, comprising a shank portion,

a downwardly curved point-carrying portion extending generally obliquely with respect to the shank portion, said shank portion being substantially flat in a plane lying transverse to the direction in which said point-carrying portion extends, said stylus being relatively thin in a vertical direction and being relatively wide and of substantially uniform width in a horizontal di-



rection, an intermediate offset portion between and connecting said shank portion and said point-carrying portion and also oblique to said shank portion, said point-carrying portion being curved in the direction of its length and with its convex surface facing away from the record, and a point at the end of said point-carrying portion and forming substantially a continuation of said curve.

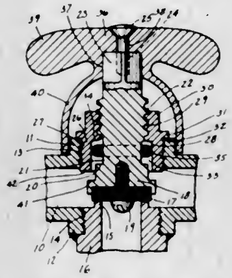
2,583,290
ATTACHMENT FOR SPRING TOOTH HARROWS
Emil A. Beilke, Pendleton, Oreg.
Application September 25, 1948, Serial No. 51,220
1 Claim. (Cl. 55—36)



A weeding attachment for spring tooth harrows comprising a rod bent obliquely at one end, threads on said bent end, elongated members having U-shaped jaws arranged to form a clamp for detachably engaging a tooth of said harrow, registering openings in said elongated members, said threaded bent end extending through said registering openings, and means on said threaded end for detachably securing said clamp and rod together, and said clamp to said tooth, said rod extending obliquely rearwardly of said tooth and disposed to travel parallel with the surface of and through the soil to be treated.

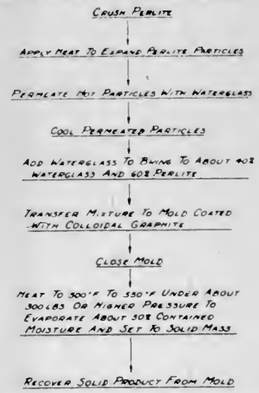
2,583,291
VALVE STRUCTURE
John A. Beem, Frankfort, Ind., assignor to The Indiana Brass Co., Inc., Frankfort, Ind., a corporation
Application April 24, 1948, Serial No. 23,029
1 Claim. (Cl. 251—50)

In a valve structure having a body portion with a threaded opening opposite a valve seat, a sleeve threaded in the opening and having a coarse threaded bore therethrough, and a valve stem having a coarse thread portion disposed in the bore and projecting oppositely therefrom for handle and seat engaging bibb accommodation, the combination therewith of an O ring packing, a portion of the sleeve having an elongated, coaxial bore therein opening into the body portion and provided with an inwardly directed shoulder at the inner end of the bore, a portion of the stem having an elongated coaxial annular groove therein terminating in a shoulder disposed in



spaced relation to the coarse thread, the groove and bore forming an elongated annular channel of variable length, the O ring being disposed therein for sealing one end of the channel from the other end of the channel, the inner and outer diameters of the ring packing being less and greater, respectively, than the inner diameter of the groove and the bore diameter, and the thickness of the ring being less than the length of the channel when the valve is closed.

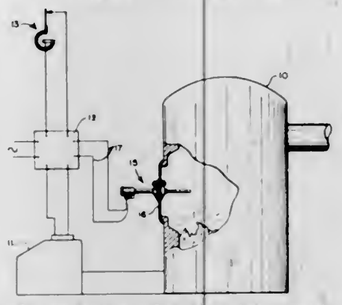
2,583,292
BUILDING MATERIAL AND PROCESS OF MAKING SAME
Oliver G. Bowen and Edward W. Novell, Pasadena, Calif.; said Novell assignor to said Bowen
Application February 24, 1948, Serial No. 10,575
22 Claims. (Cl. 18—47.5)



15. A method of forming a composition of matter, including the steps of: heating perlite particles to expand said particles and expel moisture therefrom; applying aqueous sealing and binding water glass to said particles while said particles are still hot and relatively dry to cause said water glass to permeate and protect each particle to prevent the absorption of atmospheric moisture thereby; mixing said permeated particles, when cool, with aqeous sealing and binding water glass so that the composition will then have approximately four parts perlite particles and one part sodium silicate by weight to provide a composition; applying colloidal graphite to the cavity of a mold to lubricate its

surfaces; preheating said mold to a temperature in excess of 250° F.; placing said composition in said cavity; closing said mold and applying heat of from 500° F. to 550° F. and pressure of approximately at least 300 pounds per square inch for a period, in minutes, equal to not less than fifteen times the thickness, in inches, of the mass to be produced to the 2.3 power to eliminate approximately 50% of the water content from said water glass and to bind said particles and the sodium silicate of said water glass together to provide a homogeneous mass; and removing said mass from said mold.

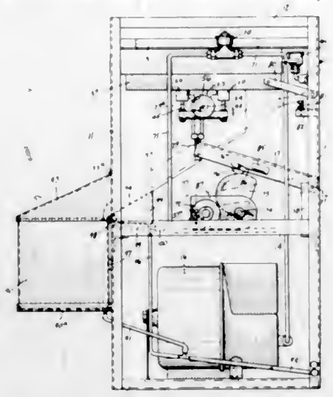
2,583,293
TEMPERATURE PICKUP ELEMENT
Joseph D. Donna, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 21, 1949, Serial No. 77,474
7 Claims. (Cl. 201—63)



1. An elongated combustion temperature pickup element adapted to extend through a panel member into an area of relatively high temperature, the combination comprising, a first hollow cylindrical member adapted to extend into the area whose temperature is to be measured, a supporting member comprising a further hollow cylindrical member having an inside diameter substantially equal to the outside diameter of said first member, said supporting member overlapping said first member sufficiently to rigidly support the latter, a third hollow cylindrical member having an outside diameter which is substantially equal to the inside diameter of said first member and extending from within a portion of said first member to the outer end of said supporting member, said third and supporting members having a space therebetween from the point where said third member extends from said first member to said outer end, an insulating terminal block attached to said third member, and a temperature sensitive resistance wire wound about said third member in said space and terminating in said terminal block, said resistance wire adapted to be heated by heat conduction through said third member and by heat radiation from said supporting member.

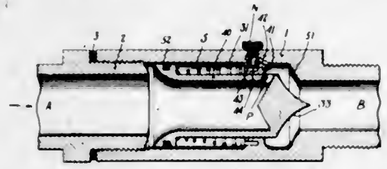
2,583,294
ICE-MAKING MACHINE
Gustav F. Erickson and Dormon B. McShan, Indianapolis, Ind., assignors, by mesne assignments, to Icecrafter Trust, a trust comprised of John R. Bayston, Van Nuys, Bernidine B. Oliver, North Hollywood, Calif., and Ward M. Vanderpool, Rockford, Ill., as trustees
Application May 3, 1949, Serial No. 91,088
19 Claims. (Cl. 62—105)

1. In an ice cube making machine, the combination of a freezing unit comprising a plurality of cells normally open at the bottom, a closure plate for said unit movable to close and seal said unit during a freezing cycle, means for introducing into said cells a liquid to be frozen into ice cubes, means for refrigerating said unit to



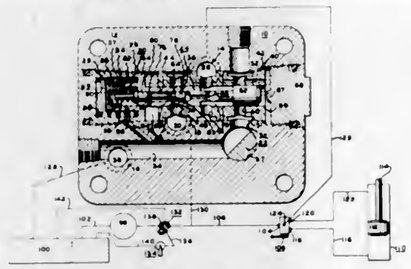
freeze the liquid therein, an agitating member interposed between the bottom of said cells and said plate, and means operably connected with said member for imparting movement thereto to effect an agitation of the liquid during the freezing cycle.

2,583,295
FLUID-OPERATED POWER SYSTEM
Edward M. Greer, West Hempstead, and Jean Mercier, New York, N. Y.; said Greer assignor to said Mercier
Application June 14, 1944, Serial No. 540,276
2 Claims. (Cl. 137—153)



1. In a pipe-line of a fluid-operated power system through which fluid is forced longitudinally forwardly, the combination of a pipe-member which has an internal valve-seat, a hollow valve-body which has a longitudinal axis and which is located in said pipe-member rearwardly of said valve seat, said valve-body being open at its rear end and having a valve-head at its front end, said valve-head having an imperforate valve-surface which closes said pipe-member when said valve-body is in the closing position, said pipe-member having an internal rib rearwardly of said valve head and valve-seat, said valve-body fitting slidably in said internal rib, said valve-body having a laterally enlarged piston head rearwardly of said rib, said piston head fitting against the internal longitudinal wall of said pipe member, the space between said piston head and said rib and said valve-body providing a checking-chamber, said checking-chamber having only a lateral outlet port which connects said checking chamber directly to the interior of said hollow valve body, said valve-body having a lateral outlet port which is located rearwardly of said valve-head, said outlet port being lateral relative to said longitudinal axis, said lateral outlet port of said valve-body being located forwardly of said rib when said valve-body is in the opening position, biasing means which bias said valve-body to a rear opening position in which said imperforate valve surface is spaced rearwardly of said valve-seat, said biasing means being sufficiently strong to keep said valve-body in said opening position when the velocity of flow of said fluid is at or below a predetermined normal operating velocity, the force of said biasing means being insufficient to keep said valve-body in said opening position when said velocity exceeds said normal velocity, said valve-head and the inner wall of said pipe-member at said internal valve-seat being shaped to provide a passage when said valve-body is in said opening position, said passage converging towards said longitudinal axis, said outlet port of said checking-chamber being located only in said rib.

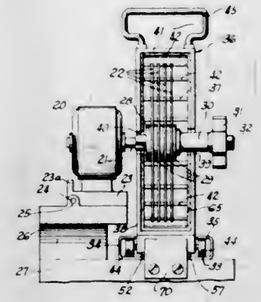
2,583,296
FLOW REGULATING VALVE
Ferris T. Harrington, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application June 18, 1945, Serial No. 600,002
6 Claims. (Cl. 60—52)



1. A flow regulating valve for controlling the flow of fluid in a hydraulic power circuit comprising in combination a flow passage having an inlet and an outlet, an adjustable throttle and a pressure compensating valve in series in said passage, means for operating the compensating valve subjected to pressures in the passage ahead of and beyond the throttle for causing the compensating valve to assume various regulating positions for maintaining the pressure drop across the throttle constant and including means biasing the compensating valve to the fully open position when flow to the inlet of the passage ceases, and a pressure responsive pilot valve hydraulically connected to the operating means and adapted to be connected to an external source of pressure fluid for closing the compensating valve, said pilot valve being responsive to increases of pressure at the inlet of the flow passage when fluid flow is resumed to the inlet of the passage after interruption for closing communication between the external source and the operating means and permitting the operating means to cause the compensating valve to assume a regulating position from the fully closed position.

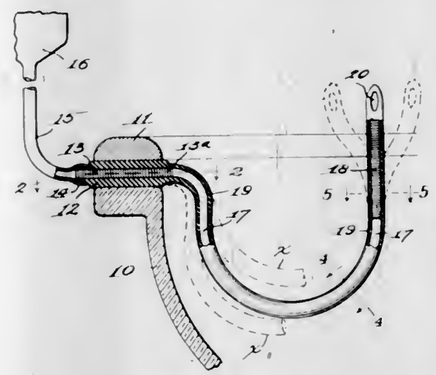
2,583,297
APPARATUS FOR ERASING THERMOPLASTIC PHONOGRAPH RECORDS
Albert I. Kegan, Chicago, Ill., assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application July 31, 1948, Serial No. 41,868
8 Claims. (Cl. 18—5.3)

1. Apparatus for erasing an embossed sound track from a used thermoplastic record disk having a center opening therein, comprising: a shaft spaced to engage said opening to support said disk by its central unused portion in a plane at right angles to the shaft, a motor for rotating said shaft at a speed sufficient to maintain the disk flat while it is in a heated condition, a chamber normally spaced from said shaft, means for moving said chamber to substantially surround said disk when rotating on said shaft, catch means for retaining said chamber in position



surrounding said disk, heater elements in said chamber, means for energizing said motor and said heater elements while said chamber surrounds said disk, timer means for releasing said catch means after a predetermined time interval, means for separating said chamber from said disk when said catch means is released, and means for maintaining rotation of said shaft and the disk thereon after said chamber is separated therefrom until said disk is cooled.

2,583,298
RECTAL IRRIGATOR
Maurice H. Kowan, Los Angeles, Calif.
Application August 5, 1947, Serial No. 766,151
1 Claim. (Cl. 128—227)

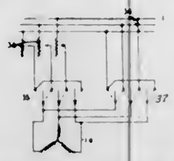


In a rectal irrigator, a block, a flexible coiled wire tube passing lengthwise through said block the outer end of said coiled wire tube and said block being extended to form a nipple for the attachment of a source of water supply, a U-shaped tube connected to the other end of said coiled wire tube, a coiled wire tube connected to the opposite end of said U-shaped tube, a continuous sheath of soft flexible material integral with said block and enclosing both coiled wire tubes and said U-shaped tube, and the free end of which sheath is provided with a jet opening.

2,583,299
ELECTRICALLY OPERATED CHUCK OR MACHINE TOOL

Arthur H. Lloyd and Charles H. Jinman, Coventry, England, assignors to Alfred Herbert Limited, Foleshill, Coventry, England

Application February 4, 1949, Serial No. 74,566
In Great Britain February 23, 1948
4 Claims. (Cl. 318—230)

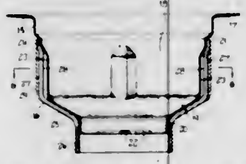


3. Electrically-operating means, for the chuck of a machine tool, including a reversible electric motor, a chuck-operating means, a speed-reduction gearing and an irreversible mechanism through which said motor is connected to said chuck-operating means, high and low voltage circuits, and a switching means by which, when the chuck is to be opened or closed, the high voltage circuit is initially momentarily connected to said motor, in order to free and initiate movement of the parts, and by which the low voltage circuit is then connected to said motor to complete the movement of said parts, said switching means comprising pairs of normally-open relatively-reversing high and low voltage contacts included in both said circuits and disposed in spaced relation, a movable switch member between said spaced pairs of contacts, pairs of high and low voltage bridging elements on opposite sides of said member positioned to bridge each a pair of contacts upon movement of the member in one or the other direction, a carrier for the high voltage bridging contacts mounted to move with and relatively to said movable switch member, and means for shifting said carrier relatively to the switch member on continued movement in the same direction of the switch member after closing a high voltage bridging element with a pair of its respective contacts whereby to automatically withdraw said bridging element from said pair of high voltage contacts to open the previously closed high voltage circuit and to reset the carrier for a subsequent closing reversing operation at the opposite side of the switching means, said pairs of contacts and said bridging elements being so related in position that said high voltage bridging element first closes the high voltage circuit and thereafter opens the high voltage circuit just before the low voltage bridging element arrives to close the low voltage circuit.

2,583,300
COMPOSITE DRAIN FITTING

Kenneth R. Marcussen, Waterbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation

Application February 13, 1948, Serial No. 8,199
3 Claims. (Cl. 285—37)

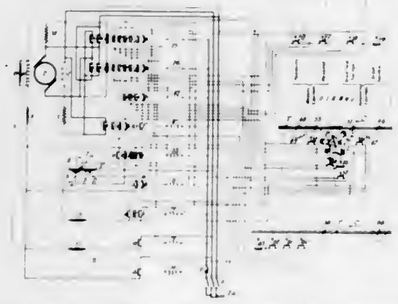


1. A composite drain fitting, comprising inner and outer cup-shaped shells of which said outer shell is of malleable metal and both shells have substantially cylindrical interfitted walls, respectively, said cylindrical wall of the inner shell having an outer longitudinal groove and a portion of said cylindrical wall of the outer shell extending inwardly to form a tongue which is in registry with, but initially at least in part spaced from, said groove, and said cylindrical wall of the outer shell being held uniformly contracted in tight clamping engagement with said cylindrical wall of the inner shell by further permanent inward deformation of said tongue into the groove of the interfitted inner shell.

2,583,301
METHOD AND APPARATUS FOR CONTROLLING MACHINES DRIVEN BY DIRECT-CURRENT MOTORS

Georges Gabriel Mozzanini, La Garenne Colombes, and Maurice Lebertre, Draveil, France

Application August 6, 1947, Serial No. 766,670
In France December 15, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires December 15, 1961
40 Claims. (Cl. 318—396)



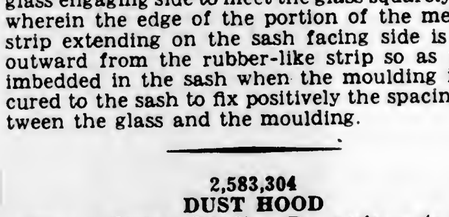
1. In apparatus for controlling the speed of a direct current motor by variation of the excitation of the shunt field, the combination with a shunt field winding of the motor, of a rheostat connected in circuit with said winding for controlling the current flowing in said winding at a value corresponding to a speed higher than a predetermined running speed of said motor, and current control means connected in circuit with said winding and responsive to a change in the speed of said motor during acceleration thereof and cooperating with said rheostat for changing substantially at said predetermined speed during said acceleration of the motor the excitation current of the shunt field of said motor from said value corresponding to said higher speed to a value determining said predetermined speed at which said motor continues to run.

2,583,302
SHOE CONSTRUCTION

George E. Musebeck, Nashotah, and John C. Boehm, Belgium, Wis., assignors to Musebeck Shoe Company, Oconomowoc, Wis., a corporation

Application September 2, 1950, Serial No. 183,013
2 Claims. (Cl. 36—76)

1. An insole for shoes comprising an insole body having an arch supporting extension, a thickness of material secured on the bottom face of the insole and extending the length of the scaphoid portion of the longitudinal arch of the foot having its outer edge conforming to the edge of the insole, and a second thickness of material secured on the bottom face of the insole along side of said first piece having its outer edge conforming to the edge of the insole and the inner edge spaced apart from the first piece to provide a longitudinal groove following approximately the longitudinal center line of the insole and a



rigid flap shank stiffener lying on the outer surface of said thicknesses and having a stiffening rib intermediate of its side edges centered in said longitudinal groove and extending towards the face of the insole, said insole and thicknesses having a stitching flap turned up therefrom.

2,583,303
PANE FASTENER

Howard R. Oltz, Hammond, Ind.

Application April 14, 1947, Serial No. 741,318
1 Claim. (Cl. 20—56.4)



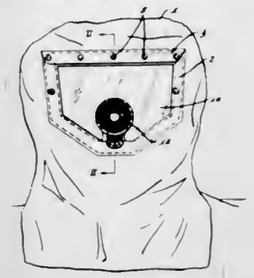
A combination moulding for securing glass in a sash comprising a rubber-like strip having a triangular cross section, one angle of which is slightly less than a right angle, one of the strip sides defining said angle being secured to the sash and the other of the sides defining said angle bearing against the glass, a metallic strip substantially covering the side of said rubber strip opposite said angle spaced from one edge of said side and folded over the other edge thereof to extend partially on the sash facing side, such that the securing of said moulding to the sash by securing means which passes through the metallic strip into the sash forces said metallic strip toward the sash and extrudes the substance of the rubber-like strip so as to change said angle to approximately a right angle and cause said glass engaging side to meet the glass squarely, and wherein the edge of the portion of the metallic strip extending on the sash facing side is bent outward from the rubber-like strip so as to be imbedded in the sash when the moulding is secured to the sash to fix positively the spacing between the glass and the moulding.

2,583,304
DUST HOOD

George J. Pipher, Reading, Pa., assignor to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania

Application June 6, 1950, Serial No. 166,333
3 Claims. (Cl. 128—141)

1. A dust hood having a front opening, a strip whose outer edge is sewed about a substantial portion of said opening to provide a pocket, a window having a shape corresponding to said opening and which is insertible in said pocket, said window having a cut-out portion at the lower central edge portion thereof, a polygonally shaped frame member comprising two portions pivotally mounted together and having detachable fastening means thereon for attaching their extremities together and having integral, jaw-like arm portions defining an opening there-



between for snugly embracing an intermediate neck portion of a respirator, thereby supporting the respirator within said cut-out portion in a substantially dust-tight manner.

2,583,305
NONSAGGING, OPPOSITELY-SWINGING HINGE STRUCTURE

James H. Reichart, Muncie, Ind.; Merchants Trust Co. executor of said James H. Reichart, deceased

Application February 28, 1946, Serial No. 650,984
2 Claims. (Cl. 16—164)

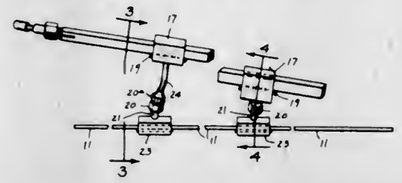


1. An oppositely acting multiple hinge structure including in combination a plurality of channels, alternate channels facing in the same direction, and successive channels confronting each other, successive channels having webs of progressively varying width for channel flange interfitting nesting when closed, and a pair of similar length link bars between each successive pair of channels and pivotally connected to the adjacent ends of each.

2,583,306
WINDSHIELD VISOR

Celestin A. Royer, Champaign, Ill.

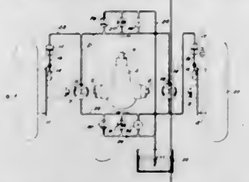
Application April 21, 1950, Serial No. 157,370
2 Claims. (Cl. 296—97)



1. A windshield visor adapted to replace the standard car visor, comprising an adapter end unit, a rod of non-circular cross sectional area having a threaded end, a friction nut detachably securing said unit and rod end together, two rod enveloping brackets, a rod engaging spring clip in each bracket, two slot-type socket members, a ball and socket connection for each member, each said ball having a threaded shank secured to its respective member and terminating in a cone point projection, said projections being sized to extend into the slots of said mem-

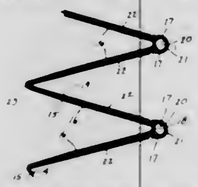
bers, an arm extending from the other end of each of said connections and secured to said respective brackets, the two arms being dissimilar in length, and a translucent anti glare shield adapted to be seated edgewise in said slots and secured therein by said projections.

2,583,307
HYDRAULIC CONTROL SYSTEM
Albert P. Schneider, Milwaukee, Wis.
Application June 17, 1950, Serial No. 168,695
20 Claims. (Cl. 74—711)



4. In a vehicle, the combination of: a differential; a pair of axles driven by said differential; a brake for the first of said axles; a power piston for actuating said brake; a first positive displacement pump driven by the first of said axles; a second positive displacement pump driven by the second of said axles; a first conduit connecting the outlet of the first pump to the inlet of the second pump, said conduit also communicating with the power piston; and a second conduit connecting the outlet of the second pump with the inlet of the first pump.

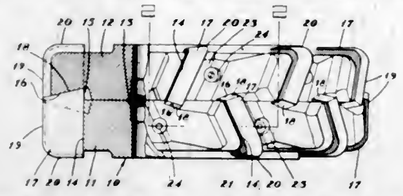
2,583,308
ACCORDION BELLOWS CONSTRUCTION
Edward C. Sloan, Madison, Wis., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application April 19, 1946, Serial No. 663,260
9 Claims. (Cl. 137—156.5)



1. A rectangular bellows having a series of diaphragms formed of a sheet of flexible material, folded to provide inner and outer hinge folds for said diaphragms along their inner and outer edges respectively, said flexible material being folded at intervals on itself in the plane of the diaphragms to provide corner sections, and a plastic bead curved in cross section bonded to said flexible material along each outer hinge fold thereof and formed to extend about said corner sections to provide a continuous peripheral protective element for each of the outer hinge folds.

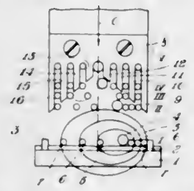
2,583,309
CUTTING TOOL
William J. Sloderbeck and William H. Fritz, Sr., Southfield Township, Oakland County, Mich., assignors to Goddard and Goddard Company, Detroit, Mich., a corporation of Michigan
Application May 27, 1946, Serial No. 672,614
3 Claims. (Cl. 29—105)

1. A rotary inserted blade type cutter having an annular body comprising two ring-like sections permanently secured together with the adjacent surfaces in bearing engagement, the peripheral portion of one section having circumferentially spaced blade receiving slots extending from the front side of said one section to the inner side of the latter and having the inner ends of the slots closed by the adjacent inner side of the other section, blades positioned in the slots with the inner ends abutting the inner side of



the said other section, the inner ends of the blades being tapered axially outwardly from the radially inner edges of the blades to the radially outer edges of the blades and the portions of the said other section which abut the inner ends of the blades being correspondingly tapered whereby the blades are shifted axially outwardly in response to movement of the blades radially outwardly, and means for removably clamping the blades in the slots.

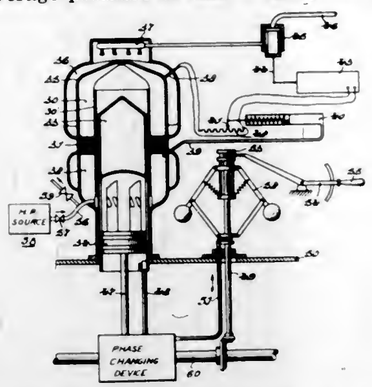
2,583,310
TEMPLET FOR CENTERING LOOSE OBJECTS
Gerrit Starre, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application June 3, 1949, Serial No. 97,019
In the Netherlands June 15, 1948
12 Claims. (Cl. 33—174)



1. A templet for centering loose and preferably cylindrical objects by displacement at right angles to the longitudinal axis of said objects, comprising; a substantially flat plate member, a plurality of teeth comprised in said flat plate member, said teeth having an unequal average length, each of said teeth having the two sides thereof extending substantially parallel to each other, each of said two sides being of unequal length, said lengths of all of said sides of said teeth varying in the same sense in the direction from one side of said plate member to the center line thereof.

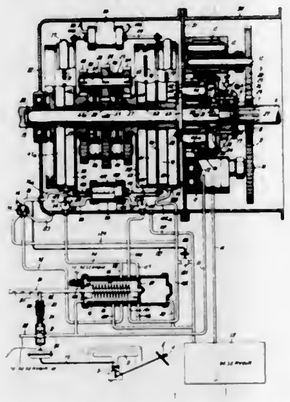
2,583,311
HOT-GAS MOTOR WITH MEANS FOR CONTROLLING THE HEAT SUPPLY THEREFOR
Willem Jan van Heeckeren, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee
Application September 5, 1945, Serial No. 614,570
In the Netherlands May 25, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 25, 1963
8 Claims. (Cl. 60—24)

4. A hot-gas motor comprising means confining the working medium thereof, heater means operatively associated with said confining means for heating a portion of said working medium confined therein, automatic means responsive to the average pressure of said working medium in



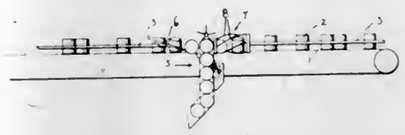
said confining means for controlling the temperature of said heater means, and means other than said heater means for varying the average pressure of said working medium.

2,583,312
POWER SYSTEM
Stephen Wayto, Schenectady, N. Y.
Application November 19, 1945, Serial No. 629,370
23 Claims. (Cl. 74—688)



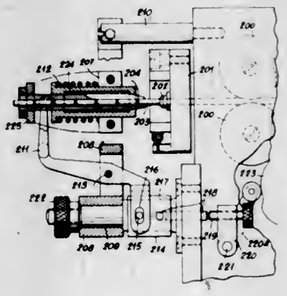
7. A power transmission mechanism including a main driving gear, a driven shaft, a rotatably mounted intermediate shaft, a plurality of rotatably mounted idler gears, an intermediate shaft driving gear mounted on said intermediate shaft for driving rotation therewith and engaged with said idler gears, means including a shiftable member having a part arranged in axially slidable engagement with said main driving gear for selectively driving said intermediate shaft through connections with said idler gears and said intermediate gear, a plurality of fluid clutches having driving and driven parts with said driven parts thereof secured for rotation with said driven shaft and said driving parts thereof formed as drums with means for fluid admission thereinto, means for driving said clutch drums at different relative speed ratios from said intermediate shaft, and means for selectively supplying fluid to said fluid clutches and providing for draining fluid from each of said clutches when said fluid supply is connected for supplying fluid to another of said clutches.

2,583,313
CAN FEEDING DEVICE
John Albertoli, San Francisco, Calif.
Application December 3, 1945, Serial No. 632,476
5 Claims. (Cl. 198—19)



1. A can feeding device comprising a generally vertically extending chute for passing cans in a single file therethrough and open at its upper end for receiving such cans therein, conveyor means respectively leading to and from opposite sides of said upper end for carrying cans to and from said end, can engaging means actuated by downward movement by gravity of one can at a point in said chute for movement of said can engaging means into said chute in a position for holding a can in the upper end of said chute in a position for supporting cans for movement thereover between the said opposite sides free from dropping into said chute, a pivoted arm operatively connected with said can engaging means and actuated by said one can at said point for releasably retaining said can engaging means in said position and for releasing said can engaging means upon movement past said point whereby the can adapted to be so held in the upper end of said chute will be released for dropping and clearing said upper end to receive another can, a wheel positioned over the upper end of said chute for spacing successive cans delivered to said upper end from cans on said conveyor means at said opposite sides.

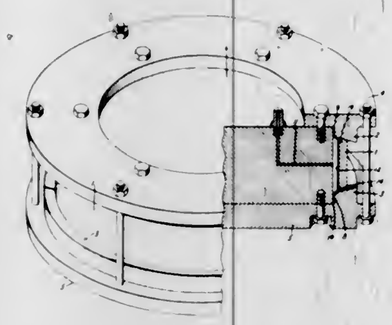
2,583,314
COLLET FEED MECHANISM FOR AUTOMATIC CUTTING MACHINES
Oscar Amiet, La Chaux de Fonds, Switzerland, assignor to Mistress Albert Murbach, Colombier, Switzerland
Original application August 1, 1947, Serial No. 765,581. Divided and this application March 1, 1949, Serial No. 78,920. In Switzerland June 14, 1946
2 Claims. (Cl. 279—43)



2. In an automatic cutting machine, a frame, a clamping chuck, a swinging arm pivoted on said frame and adapted to be moved along an arc, a sledge sliding on said arm along a radius of said arc and carrying said clamping chuck, an adjusting screw cooperating with said sledge to adjust its position on said arm, an adjustable

abutment screw cooperating with said arm to adjust its position relative to the frame, a locking sleeve slidingly mounted on said chuck, a spring tending to maintain said sleeve in the locking position, a release lever mounted on said swinging arm and actuating said sleeve, a locking nut for said swinging arm, operative means for said release lever carried by the pivot of said swinging arm, whereby the centering of the chuck is adjustable in two directions at right angles to one another, and, by swinging said lever, the chuck can be removed from the shaft, without disturbing the adjusting of said centering.

2,583,315
ANNULAR FORGING AND CASTING
Richard W. Bailey, Hale, England, assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application March 21, 1947, Serial No. 736,382
In Great Britain November 2, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 2, 1964
5 Claims. (Cl. 78—42)

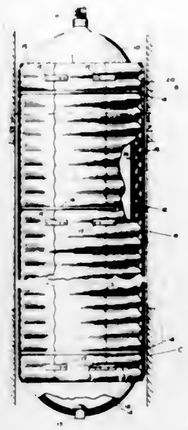


1. Apparatus for improving the tensile properties of an annular metallic member by plastic deformation which comprises a cylindrical member having a passage for conducting fluid to the cylindrical surface of said cylindrical member and positioning means including a pair of oppositely disposed conical flanges for mounting said annular metallic member concentrically and in spaced relation with said cylindrical member thereby defining an annular pressure chamber for receiving fluid under pressure from said passage.

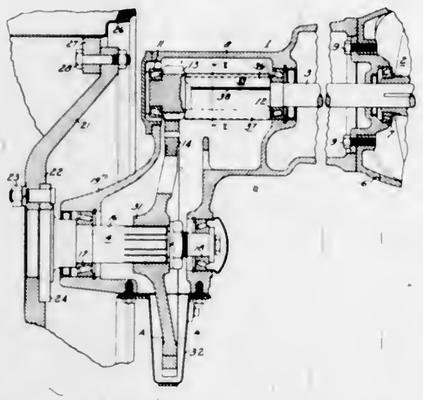
2,583,316
METHOD AND APPARATUS FOR SETTING A CASING STRUCTURE IN A WELL HOLE OR THE LIKE
Clyde E. Bannister, Houston, Tex.
Application December 9, 1947, Serial No. 790,560
8 Claims. (Cl. 166—4)

1. The method of permanently sealing off a wall of a well hole or the like which comprises presenting to said wall a tubular member having substantially the stretchability of rubber, stretching it into pressure contact with said wall, and securing it in that condition and relationship by fixing in permanently expanded condition within said tubular member a sectional expanding casing having a through passage and being open at both ends.

4. Apparatus of the character described comprising a tubular member having substantially the stretchability of rubber, means for stretching it into pressure contact with a wall to be shored, and, for permanently securing said member in that condition and relationship, a sectional expanding casing having a through passage and being open at both ends.

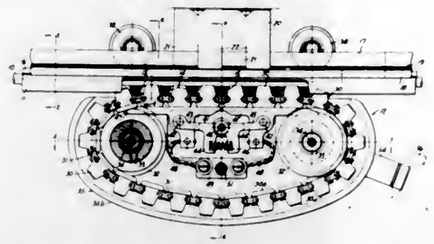


2,583,317
LUBRICATING DEVICE
Daniel E. Belich, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 2, 1949, Serial No. 90,815
6 Claims. (Cl. 184—13)



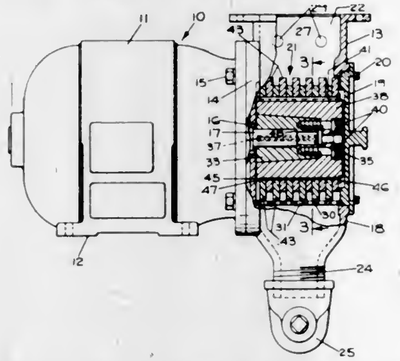
1. In combination with a shaft rotatably supported in a bearing means, a power transmitting means including a pair of gears in meshing relation with respect to each other, a source of lubricant communicating with one of said gears, and a lubricant conveying device comprising a tubular part mounted on said shaft in enclosing relation thereto, said tubular part having elongated first portions fixedly engaging said shaft at circumferentially spaced positions thereon and having elongated second portions intermediate said first portions and spaced outwardly from said shaft to form a plurality of channels along the shaft, said channels being positioned to receive lubricant discharged from the meshing teeth of said gears and to deliver said lubricant to said bearing means.

2,583,318
ELECTRICAL CONTACTING EQUIPMENT
Burtis William Benbow, Benbow, Calif.
Original application January 31, 1944, Serial No. 520,399. Divided and this application April 1, 1948, Serial No. 18,471
3 Claims. (Cl. 191—23)



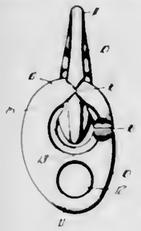
1. In equipment of the character described, a sheath for a wire or conductor comprising an extended integral body formed of resilient insulating material, said body being formed to provide a cavity extending longitudinally through the same to receive a trolley wire and also formed to provide a series of spaced openings through one side of the sheath, the openings being formed between a series of spaced teeth formed integrally with the body, that side of the body opposite the teeth being provided with a longitudinal slit whereby the body can be distorted for application about a trolley wire.

2,583,319
GRINDER ROTOR
Edgar R. Brake, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application May 6, 1950, Serial No. 160,565
1 Claim. (Cl. 241—191)



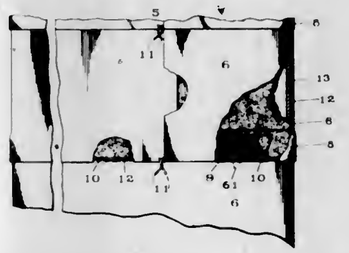
A grinder rotor assembly including ring members carrying material reducing teeth and adapted to be mounted upon a shaft, said assembly comprising a hub having an outer tapered surface split radially and axially to make the hub compressible when mounted on said shaft, the hub having a shouldered bore providing a keyway for receiving a key in said shaft, a cylindrical rotor body carried on said hub and having a tapered bore adapted to be received over the outer tapered surface of said hub, said rotor body being split radially and axially to make the rotor body expansible when mounted on the hub, said tapered surfaces of the hub and rotor body engaging to form cam surfaces which cause the hub to be compressed on said shaft and the rotor body to be expanded within said ring members when the rotor body is clamped upon the hub, means for drawing the rotor body over the hub whereby said rotor body and hub are clamped together, said ring members being carried on the outer surface of said rotor body and having said teeth equally radially spaced thereon, and said ring members having a slot to receive a key for locking the ring members to said rotor body whereby the ring members can be mounted with the teeth of alternate ring members staggered radially with respect to each other.

2,583,320
HOOK
Gordon T. Brummel, Chicago, Ill.
Application June 28, 1949, Serial No. 101,840
3 Claims. (Cl. 24—230.5)



1. A coupling device comprising a hook forming portion having an aperture extending therethrough from one face to the opposite face, and a locking entrance providing a passageway for movement into said aperture of a hook forming portion on a cooperating coupling device, said entrance into the aperture comprising a long narrow slot which is formed between the edges of two confronting wedge-shaped tips, which tips are arranged with their edges in slightly spaced generally parallel relation to each other and which are characterized by converging faces on each of said confronting tips, the faces on each tip being at substantially a right angle to each other at the inner end of the entrance and at a lesser angle at the outer end of the entrance.

2,583,321
PROTECTIVE COVERING FOR OIL TANKS
Glen C. Bull, Richmond, Ind.
Application January 17, 1949, Serial No. 71,252
3 Claims. (Cl. 220—63)



3. The combination with a metal tank of a protective covering for the outer surface thereof comprising a plurality of strips of flexible corrosion resisting metal sheets extending circumferentially of the tank, each strip being provided on its lower margin with an inwardly lapped portion adapted to overlie the upper plane edge of the strip vertically below it, a folded tape member covered with adhesive folded within the lapped edge of the metal strip, a flexible tension-

ing strand folded into the tape with its ends extending outwardly, and adhesive material coating the adjacent surfaces of the tank and the protective strips.

2,583,322

LITHIUM 3-THIA-7,7,DIMETHYL-7-TRIMETHYLSILOXY-7-SILAHEPTANOATE

Charles A. Burkhard, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application August 18, 1949, Serial No. 111,094
1 Claim. (Cl. 260—448.2)

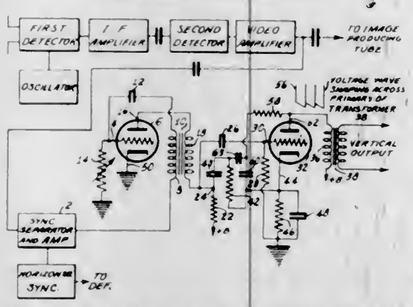
Lithium 3-thia-7,7-dimethyl-7-trimethylsiloxy-7-silaheptanoate.

2,583,323

VERTICAL LINEARITY IN TELEVISION RECEIVERS

Edwin L. Clark, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 29, 1949, Serial No. 84,024
5 Claims. (Cl. 320—1)



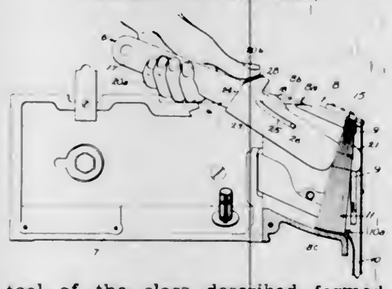
1. In a voltage generator circuit of the type in which the output voltage wave is developed by alternately charging and discharging a condenser, the charge path being through a desired amount of resistance, a circuit for changing the charge characteristics of said condenser in such manner that the charging voltage waveform across the condenser is linear comprising means for successively integrating and differentiating the voltage developed across said resistance, and means for introducing the differentiated voltage into series relationship with said condenser.

2,583,324

SPACEBAND TOOL

George L. Curle, Minneapolis, Minn.

Application May 3, 1948, Serial No. 24,809
1 Claim. (Cl. 294—103)



A tool of the class described formed of a long, thin bar that is flatwise in a vertical plane, one end portion of the bar affording a relatively long handle and the other end portion thereof affording a relatively short space band carrier, the upper edge of which is substantially parallel to the upper edge of the handle but spaced materially below the same, the upper edge of the inner end portion of the handle being inclined to the upper edge of the space band carrier, said space band carrier having on its outer end an upstanding fixed jaw, a long movable jaw for cooperation with the fixed jaw in the form of a narrow channel through which the bar extends endwise with the bottom of the channel at its outer end engaging the lower edge of the bar as a guide, said movable jaw having in its sides longitudinally extended slots, and a pin intermediately secured to the bar with its end portions extending into said slots and holding the movable jaw for tilting movement about the axis of the pin, one of the side members of the movable jaw at its inner end being upwardly extended and bent laterally to afford a thumbpiece.

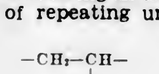
2,583,325

ACRYLONITRILE ITACONIC MONOESTER COPOLYMERS

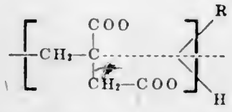
Gaetano F. D'Alelio, Pittsburgh, Pa., assignor to Koppers Company, Inc., a corporation of Delaware

No Drawing. Application January 6, 1949, Serial No. 69,621
24 Claims. (Cl. 260—78.5)

1. A copolymer containing in the polymer molecule a plurality of repeating units having the formulas



and



where R is a radical of the class consisting of alkyl, aryl, alkylaryl, aralkyl, cycloaliphatic radicals and halogen-, acyloxy-, and alkoxy-substituted derivatives of alkyl and aryl radicals, said copolymer having between about 60 and 99.9 percent by weight of units of the former formula and between about 0.1 and 40 percent by weight of units of the latter formula.

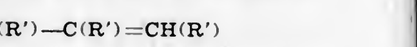
2,583,326

POLYMERIC COMPOSITIONS FROM ACRYLONITRILE, ITACONIC MONOESTERS, AND CONJUGATED DIENES

Gaetano F. D'Alelio, Pittsburgh, Pa., assignor to Koppers Company, Inc., a corporation of Delaware

No Drawing. Application January 6, 1949, Serial No. 69,622
22 Claims. (Cl. 260—78.5)

2. A composition of matter comprising the polymerization product of a polymerizable mass comprising acrylonitrile, a monoalkyl ester of itaconic acid, in which ester the alkyl group has less than four carbon atoms, and a diene having the formula



wherein R′ is a radical selected from the class consisting of hydrogen and methyl radicals, said

polymerization product containing in the polymer molecule about 60–97.9 percent by weight acrylonitrile, about 0.1–5 percent by weight said ester and about 2–39.9 percent by weight said diene.

2,583,327

COPOLYMER OF ACRYLONITRILE AND AN ETHYLENIC DICARBOXYLIC ACID MONOESTER OF A CYANOALCOHOL

Gaetano F. D'Alelio, Pittsburgh, Pa., assignor to Koppers Company, Inc., a corporation of Delaware

No Drawing. Application February 25, 1949, Serial No. 78,470
19 Claims. (Cl. 260—78.5)

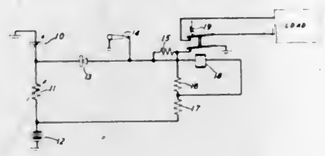
1. A polymeric acrylonitrile containing in the polymer molecule at least about 50 percent by weight of acrylonitrile and about 0.5–30 percent by weight of an ethylenic alpha, beta-dicarboxylic acid monoester of a cyanoalcohol, said dicarboxylic acid monoester being prepared from an acid of the class consisting of itaconic, maleic, fumaric, citraconic, and aconitic acids and a cyanoalcohol having the formula HO—Z—CN wherein Z is a divalent alkyl radical of less than 5 carbon atoms.

2,583,328

CIRCUIT FOR CONTROLLING THE RELEASE OF A RELAY

Thomas L. Dimond, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 27, 1948, Serial No. 17,486
6 Claims. (Cl. 175—320)



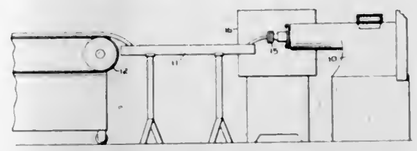
1. In combination, a relay including a winding, a switch, a power supply circuit under the control of said switch for energizing said winding whenever said switch is closed thereby to operate said relay, a holding circuit under the control of said relay and including an impedance element in series with said winding for maintaining said relay operated from said supply circuit when said switch is opened after an initial closure, a resistor, a capacitor, a circuit under the control of said switch for charging said capacitor from said supply circuit through said resistor only when said switch is open, a unilateral current conducting voltage responsive device connecting said resistor and capacitor to said impedance, said device being voltage biased so as to offer a high impedance to current tending to flow through said impedance and between said impedance and the resistor-capacitor circuit during the initial period of time after said switch is opened, the opening of said switch causing said capacitor to charge whereby a predetermined time interval after the opening of said switch the said device becomes voltage biased so as to offer a low impedance to the flow of current through said impedance and between said impedance and the resistor-capacitor circuit thereby increasing the voltage drop across the said impedance to effect the release of said relay.

2,583,329

METHOD AND APPARATUS FOR GIVING AN INTERNAL GLOSS FINISH TO A TUBE OF HEAT PLASTIC MATERIAL

John S. Eckert, Kent, Ohio, assignor to The United States Stoneware Company, Akron, Ohio, a corporation of Ohio

Application May 8, 1948, Serial No. 25,958
7 Claims. (Cl. 18—14)



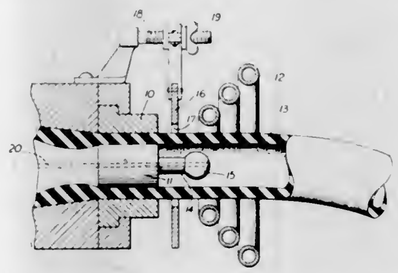
1. An extruder assembly comprising a die and an extrusion mandrel defining an annular extrusion space and means for heating the mandrel by induction, the induction-heating means being so constructed and arranged as to heat to the highest temperature the end portion of the mandrel that is farthest in the direction of extrusion.

2,583,330

APPARATUS FOR GIVING AN INTERNAL GLOSS FINISH TO A TUBE OR THE LIKE OF HEAT PLASTIC MATERIAL

John S. Eckert, Kent, Ohio, assignor to The United States Stoneware Company, Akron, Ohio, a corporation of Ohio

Application December 2, 1948, Serial No. 62,988
7 Claims. (Cl. 18—14)



1. Tube-extruding and finishing apparatus comprising an extrusion die and mandrel, a heating element, means of low heat-conductivity projecting from the delivery end of the mandrel for holding said element in but not in contact with the tube as the tube passes from the die, and induction-heating means surrounding the path of the tube at approximately the position of said element.

2,583,331

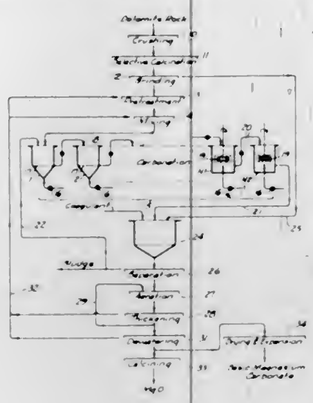
PROCESS FOR THE MANUFACTURE OF MAGNESIUM CARBONATE

Gunter H. Gloss, Redwood City, Calif., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

Application August 19, 1946, Serial No. 691,585
4 Claims. (Cl. 23—67)

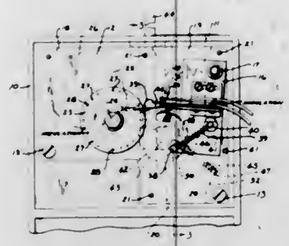
4. In a process for the manufacture of magnesium compounds wherein there is formed an aqueous slurry containing solid phase magnesium hydroxide together with a calcium compound capable of forming calcium bicarbonate upon contact with carbon dioxide, the steps of contacting the slurry in a carbonating operation

with carbon dioxide containing gas to convert the magnesium content to magnesium bicarbonate in solution, subjecting the carbonated material to separation to remove the solid phase impurities from the magnesium bicarbonate so-



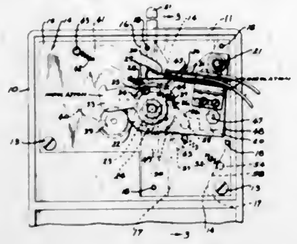
lution, and returning a part of the separated solids to the carbonating operation to increase the percentage of solids during carbonation to promote precipitation of calcium carbonate and to minimize scale formation.

2,583,332
COIN METER WITH SET CYCLE
Harry Greenwald, Blauvelt, N. Y., assignor to Robco Corporation, New York, N. Y., a corporation of New York
Application March 7, 1950, Serial No. 148,163
3 Claims. (Cl. 161—4)



1. A coin meter with a set cycle, comprising a casing, a support mounted in said casing, a movable member movably mounted on said support to move back and forth, a switch cam turnably mounted on said support, a switch for controlling an electric circuit mounted on said movable member and having an operator extending to a position adjacent said cam for opening said circuit when lifted from normal position, pins on said switch cam for selectively lifting said operator to actuate said switch, clock means having an electric clock controlled by said circuit for driving said switch cam in order to engage said pins selectively with said operator to actuate said switch, resilient means for urging said movable member into a front position in which said pins may selectively engage and lift said operator, and means for moving said movable member to a back position for moving said operator free from a pin which lifted it at the end of a cycle so that it may drop to normal position.

2,583,333
COIN METER WITH RESET SWITCH CAM
Harry Greenwald, Blauvelt, N. Y., assignor to Robco Corporation, New York, N. Y., a corporation of New York
Application March 7, 1950, Serial No. 148,164
5 Claims. (Cl. 161—1)



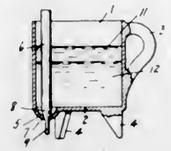
1. A coin meter with reset switch cam, comprising a casing, a support mounted in said casing, a movable member movably mounted on said support to move back and forth, a gear turnably mounted on said movable member, cooperative stops on said gear and said movable member for representing a starting position for turning of said gear, a switch for controlling an electric circuit mounted on said movable member and having an operator for opening said circuit when lifted from normal position, a switch cam adjustably mounted on said gear for lifting said operator to actuate said switch after said gear has turned a predetermined amount, a gear train including said gear and a gear mounted on said support, clock means having an electric clock controlled by said circuit for driving said gear train for turning said switch cam to lift said operator after said gear has turned a predetermined amount, resilient means for urging said first named gear to its starting position and for urging said movable member into a front position in which the gears of said gear train mesh with each other, and means for moving said movable member to a back position for separating gears of said gear train in order that said resilient means may move said first named gear to its starting position.

2,583,334
DRAWING DEVICE
Evelyn Jahncke, New Orleans, La.
Application November 25, 1947, Serial No. 787,922
2 Claims. (Cl. 33—177)



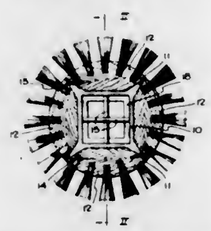
1. A drawing device comprising a circular ring made of resilient rubber or the like, said ring having a cross-section substantially in the form of a circle with its lower side flattened in a plane perpendicular to the axis of the ring and the cross-sectional contour of the ring being otherwise wholly curved, said flattened lower side being located below the center of said circle, and said ring being adapted to provide at its inner periphery a drawing edge of curved form the curvature of which may be altered by lateral pressure on the ring and the flattened side of the ring being adapted to rest flatwise against a drawing surface.

2,583,335
FAT SAVER
Percy Jepson, Oakland, Calif.
Substituted for abandoned application Serial No. 459,862, September 26, 1942. This application July 19, 1949, Serial No. 105,629
1 Claim. (Cl. 222—510)



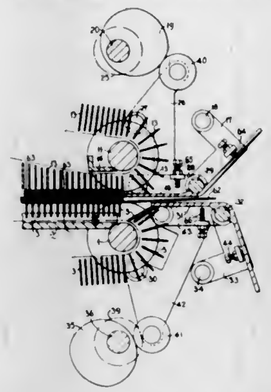
A relatively small, transparent, manually portable vessel for use in separating fat from water comprising lateral side walls and having an open upper side, a bottom wall formed with an opening therein, an elongated, generally vertically extending plug member removably fitted at its lower end in said opening closing the latter and projecting above the upper edges of said side walls at its upper end and out of said open side, an extension of a diameter substantially less than the diameter of said opening extending axially of said member through said opening for guiding the said lower end of said plug member into said opening upon removal of said lower end from said opening, a portion of said bottom wall around said opening projecting downwardly from said bottom wall to provide a sump having said opening in the lowermost part thereof, the inner sides of said portion extending divergently upwardly to facilitate guiding said lower end of said member to said opening.

2,583,336
BRUSH ROLL CONSTRUCTION
Lloyd E. Jones, Arcadia, Calif.
Application April 21, 1947, Serial No. 742,779
3 Claims. (Cl. 15—183)



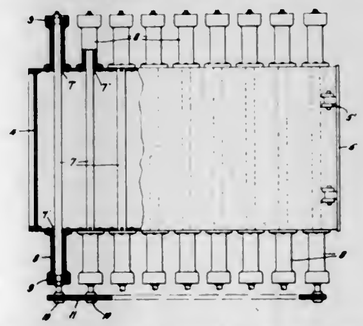
1. A brush roll construction comprising: a hollow metallic body of polygonal cross section having outwardly directed, longitudinally extending, generally V-shaped fins extending from corners of the body and integral therewith; a longitudinally extending brush-carrying stave mounted between each pair of adjacent fins, each of said staves including inclined sides arranged to rest against opposing side faces of said fins; a bottom parallel to the intermediate outer surfaces of the body and a cylindrical outer surface provided with a plurality of closely adjacent brush tufts; and means for holding said staves against said faces and outer surfaces to provide a substantially continuous outer brush surface to the assembly.

2,583,337
MACHINE FOR PRODUCING PILE FABRICS
Robert Laing, Bury, England, assignor to Paerse-Laing Limited, Manchester, England, a British company
Application October 21, 1949, Serial No. 122,648
In Great Britain November 29, 1948
6 Claims. (Cl. 154—1.1)



1. A machine for producing pile fabrics comprising a series of blades swingably connected together laterally and mounted in an endless form on rollers, a second series of blades swingably connected together laterally and mounted in an endless form on rollers with the blades in mesh with blades of the first series at the front portion thereof, blade pushers provided in front of the two series for pushing the blades in the direction of their travel and thereby assisting them to perform the movement necessary to produce connected loops in filaments, means for applying a sheet of viscous substance to the filaments after having loops produced in them, and means for changing the viscous substance into a solid substance.

2,583,338
ULTRAHIGH-FREQUENCY HEATER
Philip W. Morse, Elnora, and Maurice F. Davis, Syracuse, N. Y., assignors to General Electric Company, a corporation of New York
Application September 15, 1948, Serial No. 49,444
5 Claims. (Cl. 219—47)



1. An ultra high frequency heater comprising a plurality of electrically conductive walls defining an elongated heating chamber provided with an opening at each end, means for supplying high frequency energy to said chamber for producing standing electromagnetic waves therein, and means for passing a material to be heated

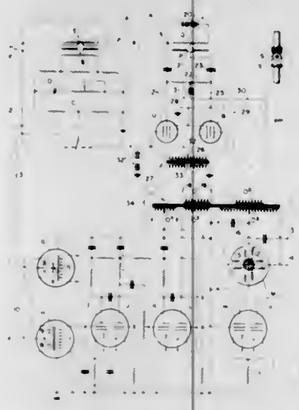
through said chamber including a plurality of dielectric rollers extending in parallel spaced relation with each other transversely across said chamber, the walls of said chamber being provided with apertures through which said rollers project, tubular members of electrically conducting material surrounding the projecting ends of said rollers in concentric relation therewith, each of said members having its inner end secured to a wall of said chamber and a bearing in the outer end of said tubular member for the end of its said roller, said tubular members having a length greater than one quarter of the wave length of said energy and a diameter relative to said wave length to constitute a wave guide having very high attenuation.

2,583,339

SERVOMOTOR DAMPING SYSTEM

James C. Mouzon, Chevy Chase, Md., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application August 17, 1950, Serial No. 179,928
7 Claims. (Cl. 318—28)



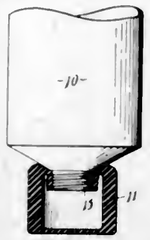
1. An electrical unit comprising in combination, a resistor, a source of variable unidirectional voltage and means cooperating therewith to maintain the two ends of said resistor at the same potential when said variable voltage is constant, and for increasing or decreasing the potential of one end of said resistor relative to the other end when said variable voltage is varying in one direction or in the opposite direction, respectively, a pair of electronic valves each having a control grid, a cathode, and an anode, one of said control grids being connected to one end and the other of said control grids being connected to the second end of said resistor, a transformer having primary and secondary windings and having said primary winding connected between the anodes of said valves, means including a source of unidirectional voltage connecting the midpoint of said transformer primary winding to said cathodes and arranged to keep the potentials of said anodes positive relative to the potentials of said cathodes, and means for connecting a source of unidirectional bias voltage and a source of alternating bias voltage in series between an intermediate point of said resistor and said cathodes, said biasing voltages being proportioned and arranged for operation of said valves along a curved, non-linear portion of the dynamic transfer characteristic curve of said valves.

2,583,340

RESILIENT DISCHARGE VALVE FOR DISPENSERS OPERATED BY PRESSURE OF THE CONTENTS

Elof F. Olsen, Brantford, Ontario, Canada

Application October 18, 1949, Serial No. 121,952
2 Claims. (Cl. 222—490)



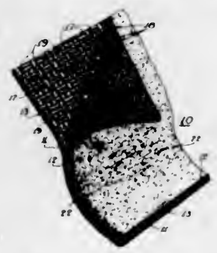
1. A valve for a container for materials dispensed by the application of pressure to the container and having a neck portion, comprising a cylindrical material-receiving chamber having an endless side wall and resilient inlet and outlet membranes providing end walls, the inlet membrane having a central opening receiving the neck portion of the container and of substantially smaller dimensions than the cross-sectional dimensions of the neck portion of the container, a portion of the inlet membrane surrounding the central opening forming a stretched cylindrical band of substantial axial length extending toward the outlet of the neck portion and perpendicular to the remainder of the inlet membrane to resist withdrawal of the neck portion from the valve in consequence of pressure exerted in the chamber, the outlet membrane having a transverse slit providing mutually abutting slit edges when the membrane is in a condition of rest, the outlet membrane being deformable by internal fluid pressure exerted in the chamber as a result of normal dispensing pressure on the container to separate the slit edges and provide an outlet for material in the chamber, the abutment of the slit edges being restorable by the resiliency of the outlet membrane to cut off the flow of material when the membrane returns to a condition of rest in consequence of internal pressure ceasing to be exerted in the chamber.

2,583,341

SKIN GRAFT RECEIVING MEMBER

John D. Reese, Philadelphia, Pa.

Application March 21, 1950, Serial No. 150,845
10 Claims. (Cl. 128—305)



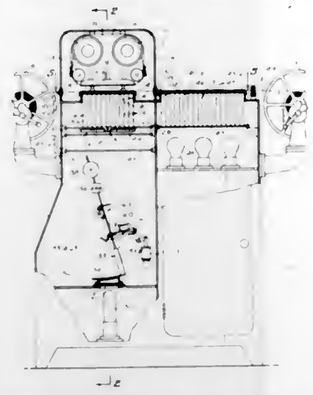
1. A skin graft receiving member comprising a base sheet of flexible elastic material, an adhesive coating on one face of said base sheet, a reinforcing sheet of flexible inextensible material on the other face of the base sheet, and means providing a separable mechanical connection between the reinforcing sheet and the base sheet.

2,583,342

CONTINUOUS FILM PRINTER WITH AUTOMATIC CONTROL OF ELECTROMAGNETICALLY ACTUATED SHUTTER OPERATING MEANS

Arthur E. Reeves, Los Angeles, Calif.

Application September 21, 1946, Serial No. 698,416
16 Claims. (Cl. 95—75)



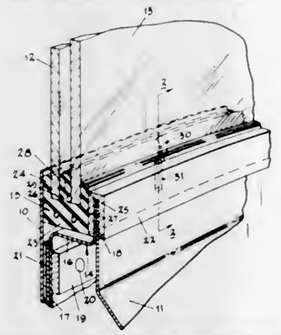
1. In apparatus of the character described: means for locating negative film in a predetermined position; a support for raw film; means for shifting said support to place said raw film in printing relation to the negative film; a source for passing light to said negative film; a shutter for preventing passage of light from said source to the negative film; electromagnetically operated means for controlling the movement of said shutter; a circuit for said electromagnetically operated means; and means operable upon arrival of said support in film printing position for controlling said circuit to effect shifting of said shutter from the path of light from said source.

2,583,343

MULTIPLE GLASS SHEET GLAZING CONSTRUCTION

Frank A. Rodman, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application August 23, 1947, Serial No. 770,264
10 Claims. (Cl. 20—56.5)



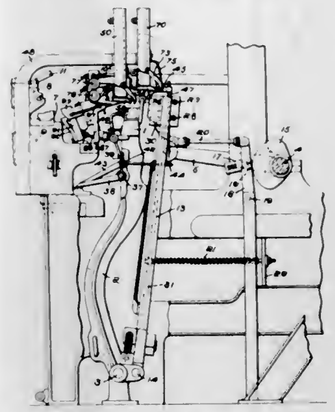
7. A mounting strip for supporting two sheets of glass in spaced, substantially parallel relation, said strip being formed of resiliently compressible material comprising a substantially rectangular body portion having wings extending upwardly and outwardly from the upper part of said body for engagement with the outer faces of the glass sheets and a closed spacer of round tubular form in cross section between said wings for engaging the inner faces of said sheets.

2,583,344

PROTECTOR MECHANISM FOR DOUBLE SHUTTLE LOOMS

Edward L. Roullard, Sanford, Maine, assignor to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine

Original application August 29, 1947, Serial No. 771,296. Divided and this application December 6, 1950, Serial No. 199,388
7 Claims. (Cl. 139—345)



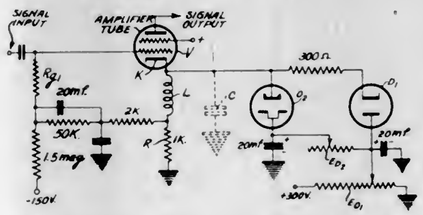
1. A double shuttle loom having mechanism for stopping the loom, a lay and means for moving it back and forth between front and back centers, a shuttle box on one end of the lay, a support, a shuttle box on the support, means for moving the support back and forth between a position rearward of front center and back center and in unison with the lay with the support shuttle box superposed on the lay shuttle box during a period of the movement toward, at, and from back center, a front binder for each shuttle box, a lever mechanism on the lay engaging the binder for the lay shuttle box and extending therebeneath to actuate the said mechanism for stopping the loom when a shuttle picked to said box is improperly boxed, and a lever mechanism on the support engaging the binder for the support shuttle box and extending up over and down behind said box to actuate the said mechanism for stopping the loom when a shuttle picked to said box is improperly boxed.

2,583,345

APPARATUS FOR MODIFYING THE TRANSFER CHARACTERISTICS OF A VACUUM TUBE

Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware

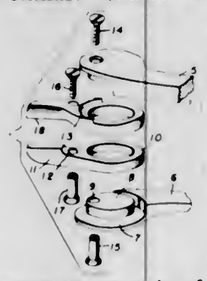
Application December 9, 1947, Serial No. 790,582
8 Claims. (Cl. 179—171)



1. In a signal channel, an electrical signal translating circuit comprising in combination: an electronic discharge tube having at least an

anode, a cathode, and a control electrode, a cathode impedance connected between the cathode of said electron discharge device and a point of fixed potential, a tap on said cathode impedance, a resistance connected from said tap to said control electrode, a plurality of unilateral current conducting devices each having at least a cathode and an anode, connections from each of said unilateral current conducting devices cathodes to said electron discharge tube cathode, a plurality of bias supply terminals each supplying a different value of positive bias voltage referenced with respect to the point of fixed potential, a separate circuit from each of said unilateral conducting devices anode to a corresponding and respective one of said plurality of bias supply terminals.

2,583,346
PLIERS
Jacob J. Sprunger, Fort Wayne, Ind., assignor of twenty-five per cent to Walter E. Frederick, Fort Wayne, Ind.
Application December 13, 1948, Serial No. 64,995
2 Claims. (Cl. 30—266)



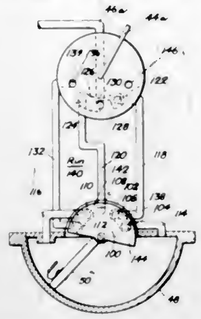
1. A tool comprising a pair of jaws members pivoted to each other in crossed relation and having a pair of end rings thereon rearwardly of said pivot, a pair of handles having a pair of front end bosses thereon integral therewith and rotatably fitting in said pair of rings, and a pivot extending through the front ends of said handles and through said bosses eccentrically of the bosses and connecting said handles together.

2,583,347
DEHORNING INSTRUMENT
William J. Thompson, Wichita Falls, Tex.
Application July 16, 1947, Serial No. 761,223
9 Claims. (Cl. 30—173)



1. In a rotatable instrument for removing the horns from animals, a frame comprising a pair of guideways, a member intermediate said guideways for forming a gauge that at least partially encircles a horn, each of said guideways having a shaft slidably positioned therein, the inner end of each shaft carrying a sharpened blade, means connected to said shafts for urging said shafts inward independently of the rotation of said instrument to bring pressure against said blades and cause them to pierce said horn, said blades being end-pointed and sharpened on the converging sides of said pointed end, so that upon rotation of the instrument said horn will be completely severed while the shafts are in-pressed.

2,583,348
REMOTE CONTROL PARKING WINDSHIELD WIPER MOTOR
Raymond E. Utter, Toledo, Ohio, assignor to The Electric Auto-Lite Company, Toledo, Ohio, a corporation of Ohio
Application November 13, 1944, Serial No. 563,263
3 Claims. (Cl. 121—97)



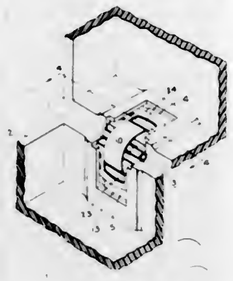
3. In a fluid motor, first and second members movable relative to each other back and forth between normal limits under the influence of a reversibly applied differential between higher and lower fluid pressures, a supply passage adapted for connection to a source of one of said pressures, and valve mechanism for controlling said motor, said valve mechanism including reversing valve means having means defining passage means for connecting said supply passage to said motor and being automatically operable at said limits to reverse said connection, and control valve means operable, at any time regardless of the position of said reversing valve means to establish a connection, through said reversing valve passage means, of said supply passage to said motor which causes a said relative movement toward one of said limits.

2,583,349
ADJUSTABLE VEHICLE SEAT
John C. Widman, Royal Oak, and William B. Schueren, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application February 21, 1947, Serial No. 730,034
5 Claims. (Cl. 155—14)



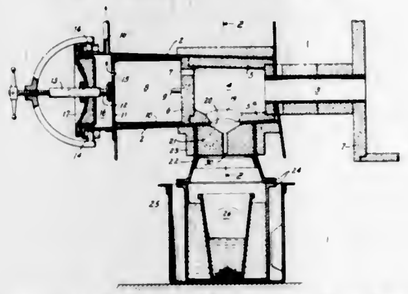
5. A vehicle seat comprising, in combination, a seat frame, a pivotal support for said seat frame intermediate the front and rear edges thereof, a pair of telescopic members pivoted respectively to the rearward portion of said seat frame and to the floor of said vehicle, and cooperating means on said telescopic members for selectively locking said members in different extended positions to vary the height of said seat frame, said cooperating means comprising a series of notches formed on opposite sides of one of said telescoping members, a primary latch pivotally mounted upon the other of said telescoping members and selectively engageable with one of said series of notches, and a secondary latch pivotally and slideably mounted upon said last-mentioned telescoping member and selectively engageable with the other series of notches to permit relative sliding movement between said latches to permit said latches to be moved in a step-by-step manner along said series of notches to extend or contract said telescoping members.

2,583,350
HINGED BOX
Herbert J. Witzgall, West Stockbridge, Mass., assignor to General Electric Company, a corporation of New York
Application May 8, 1948, Serial No. 25,859
2 Claims. (Cl. 220—31)



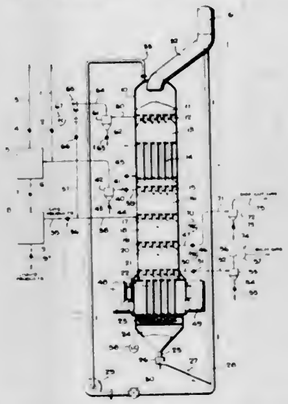
1. A box comprising a body and a cover connected together by a hinge including a hinge leaf, a recess in the rear wall of said box opening on the inner surface and the upper edge of said wall, inwardly extending lips along the side of said recess in spaced relation to the back wall of said recess, said hinge leaf comprising a generally flat sheet metal stamping positioned in said recess and having laterally extending offset serrations received between said lips and said rear wall of the recess, and raised portions on said rear wall of said recess parallel and adjacent to and spaced inwardly from said lips, said raised portions engaging the rear face of said leaf and holding said serrations in resilient engagement with said lips.

2,583,351
MANUFACTURE OF MAGNESIUM
Georges Bassereau, Paris, France, assignor to Societe Electro-Metallurgique du Planet, Paris, France
Application September 12, 1945, Serial No. 615,841
In France June 12, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 12, 1962
13 Claims. (Cl. 266—19)



11. Condensing apparatus for the production of magnesium or the like comprising a plurality of airtight chambers, means to deliver metal vapors to one of the chambers, means to evacuate the other of the chambers, means connecting the chambers of such size that a substantially constant difference in pressure exists within them when the evacuating means is in operation, and means to maintain the chambers at selected temperatures whereby part of the vapors may be condensed in one and part in the other chamber.

2,583,352
ADSORPTION PROCESS
Clyde H. O. Berg, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application June 19, 1947, Serial No. 755,753
16 Claims. (Cl. 183—4.2)



1. A process for the continuous separation of a gaseous mixture by continuous selective adsorption on a solid granular adsorbent which comprises maintaining a continuous flow of a solid granular adsorbent downwardly by gravity through an auxiliary stripping zone, a cooling zone, an adsorption zone, and a heating zone successively, introducing said gaseous mixture into said adsorption zone so as to adsorb more readily adsorbable constituents of said gaseous mixture to form a rich adsorbent and a lean gas, removing a portion of said lean gas as a lean gas product from said adsorption zone, subjecting said rich adsorbent in said heating zone to indirect heating thereby desorbing from said rich adsorbent a portion of the constituents adsorbed thereon to form a rich gas and a hot partially stripped adsorbent, removing said rich gas as a rich gas product from said heating zone, conveying said hot partially stripped adsorbent upward from said heating zone to said auxiliary stripping zone, contacting said hot partially stripped adsorbent in said auxiliary stripping zone with the remaining portion of said lean gas formed in said adsorption zone to effect desorption of the additional constituents adsorbed thereon to form a lean adsorbent and a recycle gas, cooling said lean adsorbent in said cooling zone to form a cool lean adsorbent, and combining said recycle gas with said gaseous mixture to be separated.

12. An apparatus for the continuous separation of gaseous mixtures containing constituents which must remain anhydrous which comprises a vertical adsorption column provided at successively lower levels with an auxiliary stripping zone, a cooling zone, an adsorption zone, a rectification zone, and a heating zone, means for maintaining a continuous flow of a solid granular

adsorbent downwardly through said zones by gravity, means for introducing said gaseous mixture, means for removing fractions of said gaseous mixture from said adsorption column, and means for introducing at least a portion of one of said fractions into said auxiliary stripping zone as a stripping gas.

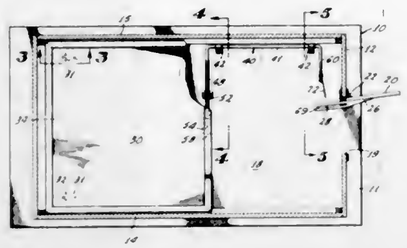
2,583,353
PLUG-IN ELECTRICAL DEVICE
Carl J. Bishofberger, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 11, 1949, Serial No. 86,745
5 Claims. (Cl. 175—356)



1. In a transformer, a magnetic core with primary and secondary windings mounted thereon, a casing enclosing said core and said windings with an aperture therein, said casing being mounted on a terminal block of insulating material which is located in and filling said aperture, a pair of electrically conductive prongs fitted into a pair of receiving apertures in said terminal block with a portion thereof extending through said terminal block being bent over at one extremity to secure said prongs to said terminal block and providing a surface to which electrical connections can be made, another portion of said electrically conductive prongs being adapted to fit into a mating electrical receptacle having flexible side portions to secure said prongs in said receptacle, a pair of terminals positioned in other apertures in said terminal block and secured thereto by screws, one extremity of each of said terminals terminating in a recessed area in said terminal block, said terminal block having an aperture through the side thereof connecting to said recessed area, a pair of bosses on one surface of said terminal block abutting said transformer core and spacing said prongs and said terminals from said transformer core, a plurality of electrical conductors connecting said windings to said prongs and said terminals, screw means extending through additional apertures in said casing, said core and said terminal block and terminating in nut receiving apertures in said terminal block securing said transformer in assembled relationship on said terminal block.

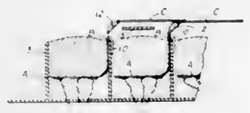
2,583,354
DOOR OPERATOR FOR DOGHOUSES
George Blatchford, Los Angeles, Calif.
Application July 28, 1949, Serial No. 107,253
2 Claims. (Cl. 268—36)

1. A device for opening and closing a doorway in a wall member by means of a door swingingly supported on said member and in response to tilting movement of a tiltably supported shelf, comprising: a shaft rotatably supported and extending in a direction away from said wall member; a first crank extending upwardly from said shaft from the end thereof adjacent said wall member; a second crank at the opposite end of said shaft; means connecting said second crank with a movable portion of said shelf for rotating said shaft to move said first crank toward said doorway when said movable portion is raised and away from said doorway when said movable portion is lowered; a horizontally disposed door arm mounted on the upper portion of said door and extending into the space between said doorway and said shelf, said door arm having a longitudinally arranged slot; a bell crank mounted on said wall member for rotation on a vertical axis, said bell crank having two horizontally extending arms angularly disposed and of unequal length,



the longer bell crank arm lying above and adjacent said door arm and carrying a pin slidably engaging the slot in said door arm; a link connecting the upper end of said first crank with the outer end of said shorter bell crank arm, and a spring operatively connected with said bell crank to urge said longer bell crank arm and said door arm away from said wall member, thereby urging said door into its open position when said shelf tilts upwardly.

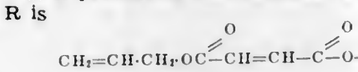
2,583,355
HANDLE FOR FROZEN PRODUCTS
Virgil V. Bond, Portland, Oreg., assignor to R. V. Lewis, Portland, Oreg.
Application October 21, 1946, Serial No. 704,600
2 Claims. (Cl. 107—19)



1. A handle for frozen confections consisting of a first terminal section adapted to lie within a compartment of a freezing tray, a second terminal section adapted to extend over and above the freezing mixture contained in said freezing tray, an intermediate section connecting said first terminal section and said second terminal section and adapted to extend downwardly along a wall of said compartment, means on said first terminal section for achieving a firm union between the same and the frozen product, and a clip integral with said intermediate section for attachment of said handle to said wall, said clip extending longitudinally of the surface of said intermediate section facing toward said second terminal section and being directed away from said second terminal section so as to be capable of engaging the outer surface of said wall, the point of attachment of said clip to said intermediate section being close to the junction of said first terminal section with said intermediate section whereby said clip functions to hold said first terminal section above the bottom of the compartment of a freezing tray of normal depth.

2,583,356
PHOSPHORYL COMPOUNDS OF ESTER SUBSTITUTED ALCOHOLS
William F. Brucksch, Jr., Bethany, and Louis H. Howland, Watertown, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 31, 1947, Serial No. 795,120
5 Claims. (Cl. 260—461)

3. A product of the formula $(R\cdot O)_3PO$ where R is



2,583,357
FLUID CONTROL VALVE
Scott E. Campbell, Los Angeles, Calif.
Application March 4, 1947, Serial No. 732,201
2 Claims. (Cl. 277—50)



2. A valve structure for mixing fluids having different characteristics comprising: a body formed with a cylinder, a pair of chambers in said body having axes paralleling the axis of said cylinder, said chambers having separate fluid inlets and separate ports opening to said cylinder at points spaced apart longitudinally of the cylinder, valves controlling the flow of fluid from said inlets to said chambers, a piston reciprocable in said cylinder relative to and for regulating the opening and closing of said ports to mix the fluids from said chambers, a spout open to said cylinder at a point outwardly from said ports for discharging the mixed fluids, a head forming a common closure for said cylinder and said chambers, a valve operating device including a manually rotatable member and an axially movable member operative by rotation of the rotatable member for simultaneously and correspondingly opening and closing said valves, and a manually reciprocable member connected with said piston and coaxial with said piston for axially moving said piston, said axially movable member being operatively connected with said valves.

2,583,358
GARDEN TRACTOR
Harry W. Cesan, Feeding Hills, Mass.
Application October 25, 1949, Serial No. 123,520
2 Claims. (Cl. 180—1)

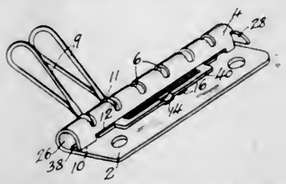


1. In a tractor of the type described having a rear frame and front frame, a pair of laterally spaced wheels supporting each frame, laterally spaced longitudinal side frame members connecting said frames, steering mechanism on said front frame, laterally spaced foot pedal operated members immediately adjacent the rear of said front wheels and secured to said steering mechanism for actuating said mechanism, a seat suspended from said rear frame forwardly thereof between the side frame members and means associated with said seat to secure said seat in vertically adjusted position from a position immediately adjacent ground level to a position elevated above said side frame members, the rear wheel, front wheel and foot pedal at each side of the tractor being in alignment with each other, each of the wheels of said frames having an independent mounting with its corresponding frame, a laterally extending frame portion for each pair of wheels and in elevated position adjacent the top of said wheels respectively and connecting said spaced wheel mountings of each frame, the side frame members and portions of the front and rear frames connected to said side frame members being at a level below the top portions of said wheels, whereby said tractor is adapted to straddle a row of planting with an operator on the seat in lowered position having clear access for manual work at each side, above and on the ground in front of said seat.

2,583,359
OLEFIN HYDRATION
Roland F. Deering, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application May 7, 1949, Serial No. 92,083
18 Claims. (Cl. 260—641)

1. A process for the preparation of alcohols and polymers which comprises contacting an olefin with water at an elevated temperature not greater than about 300° C. in the presence of a catalyst comprising phosphoric acid and a carbide of an element of group IV other than carbon.

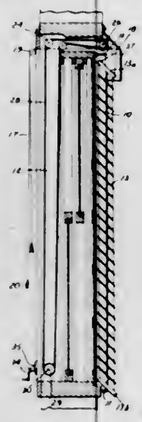
2,583,360
KEY LOOP HOLDER AND LOCKING MEANS THEREFOR
Morgan V. Duell, Oakville, Conn.
Application March 9, 1948, Serial No. 13,885
5 Claims. (Cl. 70—456)



2. A key loop holder including a retaining plate having a tubular barrel rolled up at one edge of said plate with the edge of said barrel having a longitudinal slot disposed adjacent the upper face of said plate, said barrel being provided with circumferential slots each formed with an enlarged opening through which the headed end of a key retaining loop may be inserted, said plate having a pair of spaced detent receiving recesses disposed in front of said barrel, a locking member movably mounted within said barrel to be selectively positioned in loop releasing or loop retaining positions, said locking member being provided with a flexible locking strip integrally connected at its opposite ends to said member by projecting arms extending through said longitudinal slot in the barrel and disposing

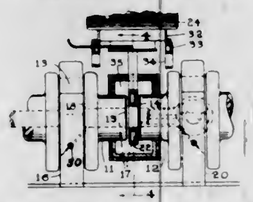
said strip in front of said barrel in line with said recesses, and a detent formed at an intermediate part of said strip and selectively engageable in said recesses to yieldably retain said locking member in locked or unlocked positions.

2,583,361
BLIND
Greekie T. Duffin, Washington, D. C.
Application November 4, 1949, Serial No. 125,519
2 Claims. (Cl. 160—172)



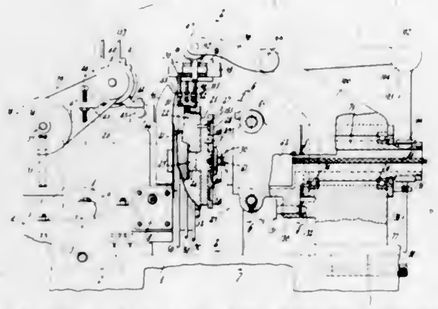
1. A blind for exterior application to a building in shielding relation to a window therein, comprising spaced upright support rails spanning the window, a plurality of slats having clearance holes by which they are assembled on the rails, collapsible spacing means connecting adjacent slats, tapes passing through all the slats and connected to the lowermost, means for reeling the tapes to elevate the slats in a bundle to the top of the rails, pull cords, terminally connected, one to the forward edge and one to the rear edge of uppermost slat, and direction pulleys exterior to and interior to the window and having such pull cords trained over them.

2,583,362
WELDING SHAFT AND THE LIKE
William C. Dunn, Cleveland, Ohio, assignor to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application October 22, 1949, Serial No. 122,896
5 Claims. (Cl. 219—10)



1. In apparatus for butt welding metal objects, means for holding the objects with their surfaces to be welded in confronting spaced relation; a housing enclosing the adjacent end portions of the objects; an induction coil support slidably mounted in the wall of the housing, and an induction coil carried by said support within the housing and movable into and out of the space between the confronting surfaces of the objects by sliding said support and adapted, when it is in said space and when energized by a high-frequency alternating current, to inductively heat said surfaces to welding temperature, said housing being so constructed and arranged that said induction coil may be moved from between said surfaces whereby said surfaces may be brought into abutting relationship.

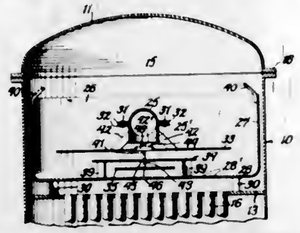
2,583,363
CAM CUTTING MACHINE
Philip C. Durland, Springfield, Vt., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application April 27, 1949, Serial No. 90,004
3 Claims. (Cl. 51—101)



1. A machine of the class described, comprising a work carriage, a work-holding spindle journaled in said carriage, means supporting said carriage for rectilinear motion transverse to the axis of said spindle, a cam carried by said spindle for rotation therewith, a stationary follower for cooperation with said cam to produce rectilinear motion of said carriage corresponding to the contour of said cam, a tool carriage, a grinding wheel carried by said tool carriage for rotation about an axis transverse to the direction of linear motion of said work carriage and movable lengthwise of said axis to present said grinding wheel to and retract it from a cam blank carried by said work spindle, means supporting said grinding wheel on said tool carriage for linear motion transverse to its axis, and means actuable to adjust the angularity of said grinding wheel support into substantially perpendicular relation to the instantaneous slope of the center of width of the desired cam path where said grinding wheel is operating, means for adjusting and holding said grinding wheel with said linear path on said tool carriage parallel to the linear motion of said work spindle, and means for truing said grinding wheel positioned adjacent to its axial path of motion spaced from said blank and while said linear path on said tool carriage is so adjusted and held.

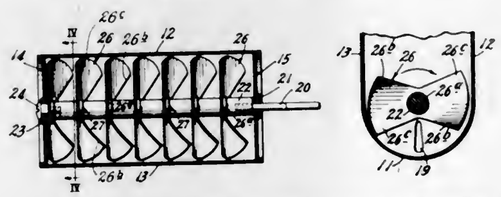
2,583,364
APPARATUS FOR SUPPLYING AND DISTRIBUTING LIQUIDS
Albert W. Eckstrom, Buffalo, N. Y., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application July 1, 1949, Serial No. 102,594
1 Claim. (Cl. 159—1)

Apparatus for distributing liquid discharged from a vertical discharge pipe downwardly into the center of the upper chamber of an evaporator and which chamber is formed by a tubular side wall, an upper tube sheet of the evaporator, and a dome removably secured to the upper rim of said tubular side wall, which comprises a horizontal stationary bottom plate occupying substantially the full area of said chamber and having a series of uniformly spaced perforations therethrough, legs fast to and projecting downwardly from said perforated bottom plate and supporting said perforated bottom plate on said tube sheet in closely spaced juxtaposition thereto, side portions of said plate at at least spaced intervals around said plate being engageable with said side wall of said chamber to hold said plate in substantially centered relation to said chamber, a plurality of horizontal stationary distribution plates arranged concentric with said



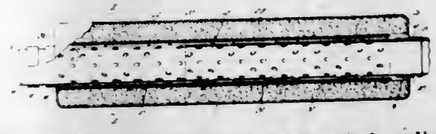
discharge, supports interposed between and at spaced distances around said plates and supporting said plurality of distribution plates on said perforated bottom plate in closely spaced juxtaposition to each other and to said perforated bottom plate and discharge, at least all but the lowermost of said plurality of distribution plates each having an orifice at the center thereof concentric with said discharge whereby the liquid flowing from said discharge is jointly received by said distribution plates and flows radially outwardly on said distribution plates to be discharged therefrom and maintain a very small uniform head of liquid on said perforated bottom plate.

2,583,365
DISPENSER FOR PASTELIKE SUBSTANCE HAVING A VANED ROTARY EXTRUDING ELEMENT
Floyd L. Eddy, Los Angeles, Calif.
Application January 19, 1948, Serial No. 3,046
3 Claims. (Cl. 222—413)



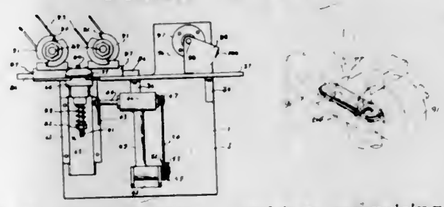
1. A dispenser of the type described comprising a casing having a cylindrically curved bottom wall, and end walls associated therewith, one of said end walls having a discharge aperture therein; screw means within said container having its axis substantially concentric with said cylindrically curved bottom wall, and means for rotating said screw means; said screw means comprising a central shaft having a plurality of axially spaced vanes thereon, each vane having an inner end adjacent said shaft and an outer end radially displaced from said shaft, and having a trailing edge and a leading edge with the trailing edge nearer said discharge aperture than said leading edge, that portion of the leading edge most remote from said aperture being substantially in the same transverse plane as the trailing edge of the next adjacent vane, and the entire trailing edge of each vane lying substantially in a plane normal to said axis, and the leading edges diverging progressively from said plane from their inner ends to their outer ends.

2,583,366
MUFFLER WITH PERFORATED CYLINDER CONTAINING INWARDLY AND REARWARDLY INCLINED HOLES
Willard H. Engels, Kansas City, Mo.
Application February 9, 1948, Serial No. 7,079
1 Claim. (Cl. 181—42)



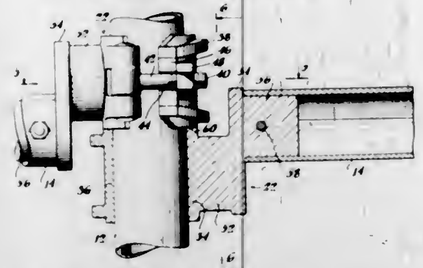
A muffler comprising a perforated cylinder having a substantially uniform gas duct extending therethrough, a closed casing formed about said perforated cylinder to form a chamber thereabout, a layer of screen positioned in said chamber about said perforated cylinder, a sound absorbing material filling said chamber between said screen and said casing, said perforated cylinder being formed to present inwardly and rearwardly inclined lips at the forward edges of the perforations therein and outwardly and forwardly inclined lips at the rearward edges of said perforations, said outwardly inclined lips contacting and supporting said screen in spaced relation from said cylinder.

2,583,367
WOODEN PATCH MAKING MACHINE
Will Aubrey Forsyth, New Westminster, British Columbia, and William Arthur Davis, Vancouver, British Columbia, Canada; Jean Margaret Forsyth executrix of said Will Aubrey Forsyth, deceased
Application August 19, 1946, Serial No. 691,572
8 Claims. (Cl. 144—2)



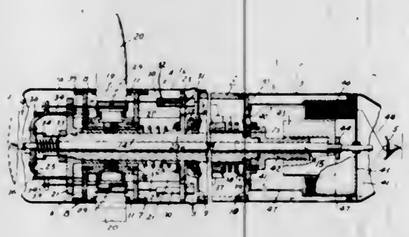
5. A patch making machine comprising a frame, a carrier supported by said frame for carrying a patch blank thereon having opposite ends to be cut to desired shape, gripping means operable to hold such patch blank on said carrier, a pair of driven cutters having relatively wide transverse cutting edges which are shaped to impart corresponding configuration to respective opposite ends of patch blanks cut thereby, means supporting said driven cutters to rotate about spaced parallel axes disposed generally perpendicular to the length of the gripped patch blank between said ends thereof and lying in a plane generally parallel to the opposite faces of such blank, and shifting means operable to effect relative approach movement between said cutters and the patch blank held on said carrier by said gripping means in the direction perpendicular to said plane, for presenting simultaneously both ends of the patch blank to the respective cutters to be cut simultaneously thereby to the configuration of said cutting edges.

2,583,368
COUPLING MEANS FOR SCAFFOLDING BARS
Merle P. French, New Rochelle, N. Y.
Application June 11, 1947, Serial No. 753,991
6 Claims. (Cl. 304—40)



1. A scaffold comprising, in combination, a vertical tubular member, a pair of horizontal tubular members connected thereto, and a hinge clamp with an offset portion of one-half the height of the clamp telescopically secured to each of said horizontal members for connecting said horizontal members to said vertical member, said portions being vertically offset on said vertical member in opposite directions to maintain said horizontal members at the same elevation, said clamps being adapted to interconnect said members so that the axes thereof intersect each other.

2,583,369
WIND-DRIVEN TURBINE OR PROPELLER WITH ELECTRIC GENERATOR AND CONTROL DEVICES
Charles Fumagalli, Guatemala City, Guatemala
Application May 21, 1948, Serial No. 28,488
17 Claims. (Cl. 290—44)



5. A wind driven turbine including in combination a variable propeller including a shaft and having blades adjustable to different pitch angles, wind controlled means including a sliding hub carrying the blades, means yieldingly resisting while permitting movement of the hub in one direction under increasing wind forces and moving it in the opposite direction under relatively reduced wind forces and a transmission coacting therewith and operable thereby for adjusting the blades when the hub is moved in opposite directions under varying wind forces to drive the shaft at a predetermined substantially constant speed and power regardless of the wind force, said means also including a longitudinally shiftable member for operating the transmission independent of the wind forces to adjust the blades, a power device driven by the shaft, and electrical means influenced thereby for operating said member to change the pitch angle of the blades to increase their driving power.

2,583,370
METHOD OF STABILIZING DIOLEFINE POLYMER-SULFUR DIOXIDE REACTION PRODUCTS
Johan Michael Goppel and Gottfried Ernst Rumscheidt, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 3, 1948, Serial No. 37,056. In the Netherlands July 15, 1947
14 Claims. (Cl. 260—769)

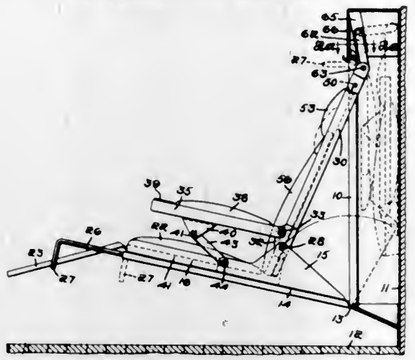
1. The method of increasing the resistance to deterioration with age of a product formed on the reaction of only sulfur dioxide with a rubbery polymer of at least one conjugated diolefin compound, said method comprising immersing said product in a solution containing from 0.25 to 20% of a thiourea compound.

2,583,371
MEASURING DEVICE
Eric S. Guttmann, Huntington, W. Va., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application January 31, 1944, Serial No. 520,498
4 Claims. (Cl. 33—125)



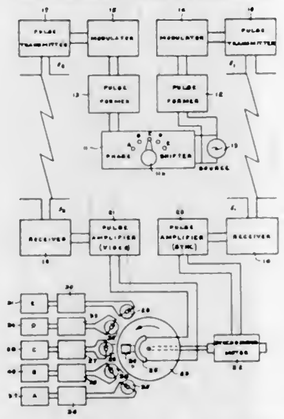
4. An instrument for measuring the movement of a member back and forth along a predetermined path comprising, in combination, two drums rotatably mounted to turn about spaced axes extending transversely of said path, first and second flexible lines anchored at axially spaced points to one of said drums and helically wound in opposite directions therearound with the free ends of the line extending off from the drum at adjacent points but on opposite sides thereof and toward said other drum, said free ends being oppositely inclined relative to said path but at constant angles relative thereto equal to the helix angles of the wound portions of the lines, third and fourth flexible lines similarly wound around said second drum with their free ends extending toward said first mentioned free ends, means connecting the free end of the line on one end of the first drum to the free end of the line on the other end of the second drum, means similarly connecting the free ends of the other two lines, means guiding the connections between the lines of the different pairs along separate paths paralleling said first mentioned path and laterally spaced relative thereto to incline each of said lines at an angle relative to said path equal to the helix angle of the wound portion of the line, and a device actuated in accordance with the angular displacement of one of said drums and operable to indicate the displacement of said movable member along said first mentioned path.

2,583,372
BUILT-IN DECK CHAIR
Phillip L. Hall, New York, N. Y.
Application November 10, 1947, Serial No. 785,014
3 Claims. (Cl. 155—83)



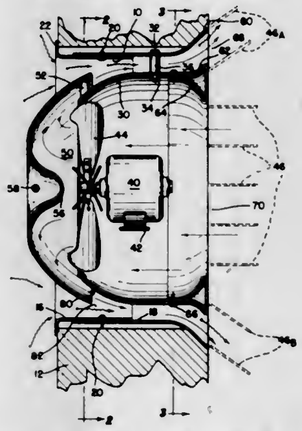
3. An improved built in deck chair comprising a cabinet secured to a bulkhead, a door for the cabinet hinged along the lower margin thereof to swing down into a substantially horizontal position; a chair seat mounted on the inner surface of the said door, means retaining the said door in substantially horizontal attitude comprising a chair back pivotally connected to the door at a point up from the hinged connection thereof to the cabinet, and links pivotally connected to the upper end of the said chair back, and to the inside of the cabinet, the said links adapted to retain the said back against downward motion when the door and seat are in a substantially horizontal position and likewise adapted to pivot and allow the upper end of the said back to rise upward within the cabinet when the said door is raised and closed.

2,583,373
SELECTIVE REMOTE-CONTROL SYSTEM
John Hays Hammond, Jr., Gloucester, Mass.
Application May 27, 1948, Serial No. 29,528
8 Claims. (Cl. 177—353)



7. A selective indicator of the relative timing of two trains of pulses, comprising a rotary member driven in accordance with the pulses of one of said trains, a photo lamp driven by the pulses of the other of said trains; and a plurality of photosensitive elements differently exposed to said photo lamp in accordance with the angular position of said rotating member at the time of flashing of said photo lamp.

2,583,374
EXHAUST FAN
Frederick J. Hoffman, Seattle, Wash., assignor to Hydraulic Supply Manufacturing Company, Seattle, Wash.
Application October 18, 1950, Serial No. 190,775
4 Claims. (Cl. 98—43)

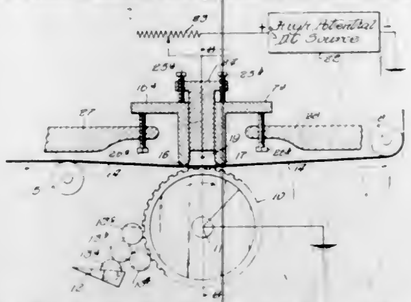


4. An exhaust fan for exhausting air through an enclosing member of an enclosure, comprising: a fan assembly to be positioned in an opening in said enclosing member, having a fan disposed to draw outside air from without said enclosing member and direct said outside air toward the inside of said enclosing member; having a baffle positioned on the exhaust side of said fan and formed to reverse the flow of said outside air to direct it toward the outside of said enclosing member; having means forming a restricted passageway for said outside air after its flow has been reversed by said baffle; having means forming a larger passageway, connecting with said restricted passageway, leading to the outside of said enclosing member, whereby air passing through said restricted passageway has room to expand in said larger passageway; and having means forming an air passageway leading from the inside of said enclosing member and connecting with said large passageway near its junction with said restricted passageway, whereby air passing from said restricted passageway will draw air from inside said enclosing member.

2,583,375
ELECTRIC PRINTING
William J. Hooper, Elsah, Ill., assignor, by mesne assignments, to William C. Huebner, New York, N. Y.
Application September 19, 1945, Serial No. 617,186
17 Claims. (Cl. 101—426)

1. Transfer apparatus of the character described, including: a source of liquid to be transferred; means for supporting sheet material adjacent said source; means for developing a high potential electrical field across a space including

said source and the sheet material adjacent said source and means independent of said field for



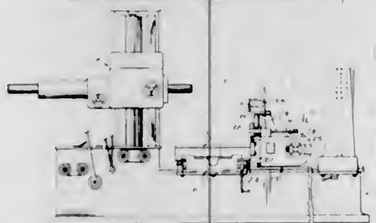
affecting ionization in said space on the positive field gradient side of said sheet material.

2,583,376

PRECISION MEANS FOR POSITIONING AND INDICATING THE POSITION OF A MOVABLE MEMBER

William C. Huebner, Mamaroneck, N. Y.

Application December 9, 1950, Serial No. 199,966
25 Claims. (Cl. 177—311)



11. A device of the character described for accurately locating a linearly movable part at a predetermined position, comprising a first supporting means fixed to said part for movement therewith, a second supporting means normally stationary with respect to said part, a graduated scale mounted on one of said supporting means, a lever pivotally carried by the other supporting means, said lever having one arm movable adjacent said scale, means on said one arm successively alignable with the graduations on said scale upon relative movement therebetween, means providing a sensory perceptible signal in response to said alignment, means cooperating with the other arm of said lever to effect movement thereof, and means indicating the extent of movement of said lever-moving means thereby providing an amplified indication of the position of the one arm of the lever as the result of operation of said lever-moving means, whereby the said movable part may be accurately set to a predetermined position by setting the said one arm of said lever in accordance with the desired position by operation of said lever-moving means and then moving the said part until the said signal producing means is actuated in response to alignment of the means on the said one arm of the lever with that graduation on said scale corresponding with the said predetermined position of the part.

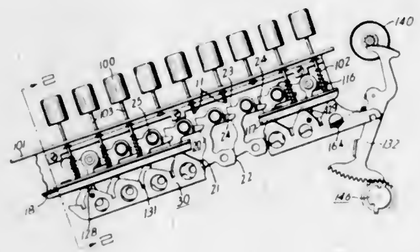
2,583,377

SELECTION MECHANISM

George K. Hurni, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California

Application March 17, 1947, Serial No. 735,053
1 Claim. (Cl. 235—145)

In a calculating machine having a keyboard comprising a series of depressible keys representative of the numeral values 1 to 9 respectively, each key including a key stem guided for up and down movement in the frame of the machine and manipulable from a normal to a fully depressed position, and a device effective upon manual depression of one of said keys for latching the same in an intermediate position substantially above the fully depressed position and effective upon depression of another key of said series for releasing the first key from restraint of said device and for latching said other key in depressed position; the combination of, a differentially settable bar mounted for movement to a plurality of positions each corresponding to the respective value of a depressed key, said bar including a plurality of recesses each composed of a primary camming surface which is engaged by the stem of a key of greater value than the first one depressed to advance the bar to a position corresponding to the second key depressed and a secondary camming surface which is engaged by the key stem of a key of lesser numeral value than the first one depressed to move the bar in the reverse direction to the position corresponding to



the second key depressed, the slope of the secondary camming surface for the lesser value key being substantially less than the slope of the primary camming surface for the greater value key to permit the releasing means to release said greater value key from said latching device upon depression of the lesser value key before the latter engages its secondary camming surface, and a notch composed of two oppositely disposed shoulders at the bottom of the primary and secondary camming surfaces respectively which shoulders embrace the bottom of the key stem to positively locate the bar in the position corresponding to the key depressed, the shoulders of the notch for a lesser value key being of such heights with respect to each other that when said key is latched in said intermediate position by said device the bottom of its key stem is in the path of the shoulder at the bottom of the respective primary camming surface but is above and out of the path of the shoulder at the bottom of the respective secondary camming surface to thereby permit the movement of the bar in response to depression of a greater value key while the lesser value key is latched in its intermediate position.

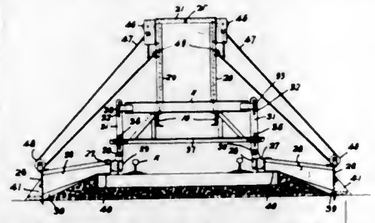
2,583,378

BALLAST SPREADER

Royce Kershaw, Montgomery, Ala.

Application December 6, 1945, Serial No. 633,220
7 Claims. (Cl. 37—105)

1. A ballast spreader comprising a supporting structure, links mounted for vertical and horizontal adjustment at a side of said supporting structure, a dresser wing, a pivotal connection between said dresser wing and the lower ends of said



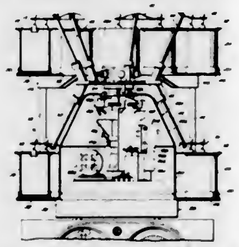
links, and means for rocking said dresser wing upon said pivots.

2,583,379

AUTOMATIC IMMERSION APPARATUS

Nelson G. Kling, Roslyn, N. Y., assignor to The Technicon Company, New York, N. Y., a partnership

Application March 16, 1949, Serial No. 81,651
39 Claims. (Cl. 91—46)



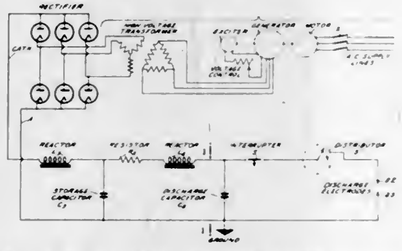
1. Automatic immersion apparatus, comprising upper and lower horizontal supports each provided with means to support a plurality of receptacles laterally of each other, a conveyor mounted both for vertical movement and for movement in a horizontal plane in relation to said supports, supporting means on said conveyor to carry a material-holder into and out of the receptacles on said upper support, supporting means on said conveyor to carry a material-holder into and out of the receptacles on said lower support, and mechanism operatively connected to said conveyor for moving the latter vertically and in said horizontal plane in relation to said upper and lower supports.

2,583,380

ELECTRIC CIRCUIT TO PRODUCE SURGE DISCHARGES AT A HIGH RATE

Melvin J. Kofoid, Corvallis, Oreg., assignor to Northwest Nut Growers, Dundee, Oreg., a cooperative association of Oregon

Application January 3, 1950, Serial No. 136,435
4 Claims. (Cl. 320—1)



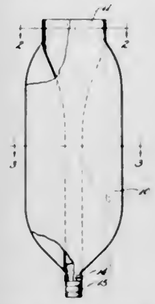
1. An electric high voltage surge circuit for nut cracking or the like, comprising a high voltage supply means followed in series by a reactor, a storage capacitor connected between the cathode and anode of the circuit, a resistor, an iron core reactor, a discharge capacitor connected between the cathode and anode of said circuit, a high velocity interrupter to distinguish between surges, a distributor and opposed electrodes between which a nut to be cracked is positioned.

2,583,381

SYRINGE BAG

Charles W. Leguillon, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application January 7, 1949, Serial No. 69,632
7 Claims. (Cl. 150—2.1)



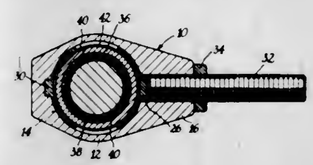
1. A liquid container comprising a flexible bag of rubber-like material having a wide open neck portion normally biased toward a flattened cross-sectional configuration and a relatively stiff resilient reinforcing element normally biased toward a circular cross-sectional configuration, having a diameter greater than the minor axis of said neck portion, said reinforcing element engaging said neck portion along its periphery so that the interaction of the biasing forces of said element and neck portion when in equilibrium tend to produce a bag having a wide mouth normally maintained in an open condition.

2,583,382

BEARING ASSEMBLY

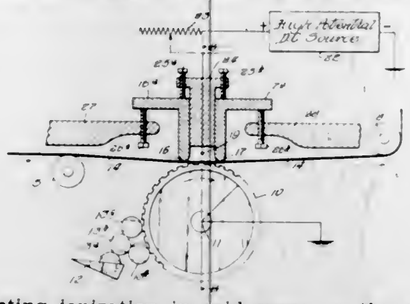
Leonhard A. Maas, Trenton, N. J., assignor to The Smith Bearing Company, Inc., Orange, N. J., a corporation of New Jersey

Application May 11, 1949, Serial No. 92,709
2 Claims. (Cl. 308—72)



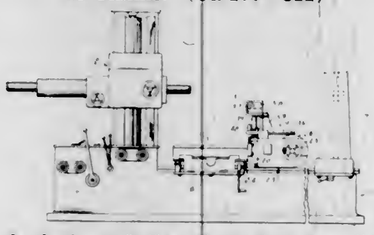
1. A bearing assembly comprising a body in the form of a unitary casting having a circular bearing receiving opening therethrough, there being an annular recess extending about said opening and presenting marginal shoulders at opposite sides thereof, a pair of oppositely facing arcuate bearing retaining members located in said recess and held against twisting or end play with respect to said body by engagement thereof with said shoulders, said bearing retaining members presenting complementary inwardly facing concave spherical surfaces, a

said source and the sheet material adjacent said source and means independent of said field for



affecting ionization in said space on the positive field gradient side of said sheet material.

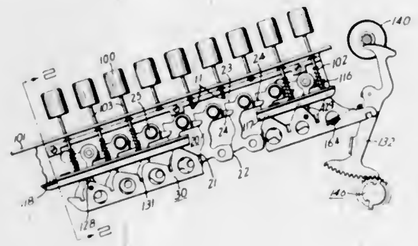
2,583,376
PRECISION MEANS FOR POSITIONING AND INDICATING THE POSITION OF A MOVABLE MEMBER
William C. Huebner, Mamaroneck, N. Y.
Application December 9, 1950, Serial No. 199,966
25 Claims. (Cl. 177—311)



11. A device of the character described for accurately locating a linearly movable part at a predetermined position, comprising a first supporting means fixed to said part for movement therewith, a second supporting means normally stationary with respect to said part, a graduated scale mounted on one of said supporting means, a lever pivotally carried by the other supporting means, said lever having one arm movable adjacent said scale, means on said one arm successively alignable with the graduations on said scale upon relative movement therebetween, means providing a sensory perceptible signal in response to said alignment, means cooperating with the other arm of said lever to effect movement thereof, and means indicating the extent of movement of said lever-moving means thereby providing an amplified indication of the position of the one arm of the lever as the result of operation of said lever-moving means, whereby the said movable part may be accurately set to a predetermined position by setting the said one arm of said lever in accordance with the desired position by operation of said lever-moving means and then moving the said part until the said signal producing means is actuated in response to alignment of the means on the said one arm of the lever with that graduation on said scale corresponding with the said predetermined position of the part.

2,583,377
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Application March 17, 1947, Serial No. 735,053
1 Claim. (Cl. 235—145)

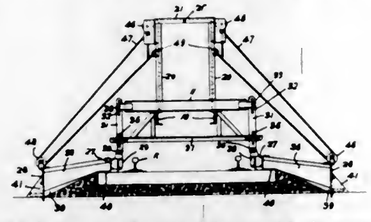
In a calculating machine having a keyboard comprising a series of depressible keys representative of the numeral values 1 to 9 respectively, each key including a key stem guided for up and down movement in the frame of the machine and manipulable from a normal to a fully depressed position, and a device effective upon manual depression of one of said keys for latching the same in an intermediate position substantially above the fully depressed position and effective upon depression of another key of said series for releasing the first key from restraint of said device and for latching said other key in depressed position; the combination of, a differentially settable bar mounted for movement to a plurality of positions each corresponding to the respective value of a depressed key, said bar including a plurality of recesses each composed of a primary camming surface which is engaged by the stem of a key of greater value than the first one depressed to advance the bar to a position corresponding to the second key depressed and a secondary camming surface which is engaged by the key stem of a key of lesser numeral value than the first one depressed to move the bar in the reverse direction to the position corresponding to



the second key depressed, the slope of the secondary camming surface for the lesser value key being substantially less than the slope of the primary camming surface for the greater value key to permit the releasing means to release said greater value key from said latching device upon depression of the lesser value key before the latter engages its secondary camming surface, and a notch composed of two oppositely disposed shoulders at the bottom of the primary and secondary camming surfaces respectively which shoulders embrace the bottom of the key stem to positively locate the bar in the position corresponding to the key depressed, the shoulders of the notch for a lesser value key being of such heights with respect to each other that when said key is latched in said intermediate position by said device the bottom of its key stem is in the path of the shoulder at the bottom of the respective primary camming surface but is above and out of the path of the shoulder at the bottom of the respective secondary camming surface to thereby permit the movement of the bar in response to depression of a greater value key while the lesser value key is latched in its intermediate position.

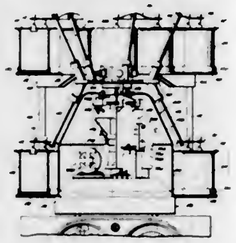
2,583,378
BALLAST SPREADER
Royce Kershaw, Montgomery, Ala.
Application December 6, 1945, Serial No. 633,220
7 Claims. (Cl. 37—105)

1. A ballast spreader comprising a supporting structure, links mounted for vertical and horizontal adjustment at a side of said supporting structure, a dresser wing, a pivotal connection between said dresser wing and the lower ends of said



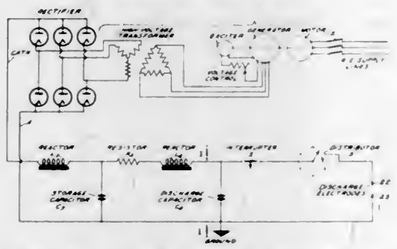
links, and means for rocking said dresser wing upon said pivots.

2,583,379
AUTOMATIC IMMERSION APPARATUS
Nelson G. Kling, Roslyn, N. Y., assignor to The Technicon Company, New York, N. Y., a partnership
Application March 16, 1949, Serial No. 81,651
39 Claims. (Cl. 91—46)



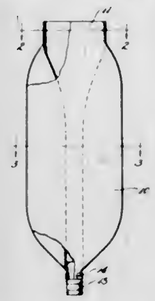
1. Automatic immersion apparatus, comprising upper and lower horizontal supports each provided with means to support a plurality of receptacles laterally of each other, a conveyor mounted both for vertical movement and for movement in a horizontal plane in relation to said supports, supporting means on said conveyor to carry a material-holder into and out of the receptacles on said upper support, supporting means on said conveyor to carry a material-holder into and out of the receptacles on said lower support, and mechanism operatively connected to said conveyor for moving the latter vertically and in said horizontal plane in relation to said upper and lower supports.

2,583,380
ELECTRIC CIRCUIT TO PRODUCE SURGE DISCHARGES AT A HIGH RATE
Melvin J. Kofoid, Corvallis, Oreg., assignor to Northwest Nut Growers, Dundee, Oreg., a cooperative association of Oregon
Application January 3, 1950, Serial No. 136,435
4 Claims. (Cl. 320—1)



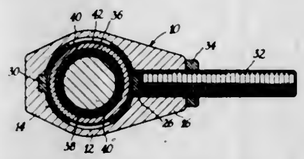
1. An electric high voltage surge circuit for nut cracking or the like, comprising a high voltage supply means followed in series by a reactor, a storage capacitor connected between the cathode and anode of the circuit, a resistor, an iron core reactor, a discharge capacitor connected between the cathode and anode of said circuit, a high velocity interrupter to distinguish between surges, a distributor and opposed electrodes between which a nut to be cracked is positioned.

2,583,381
SYRINGE BAG
Charles W. Leguillon, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 7, 1949, Serial No. 69,632
7 Claims. (Cl. 150—2.1)



1. A liquid container comprising a flexible bag of rubber-like material having a wide open neck portion normally biased toward a flattened cross-sectional configuration and a relatively stiff resilient reinforcing element normally biased toward a circular cross-sectional configuration, having a diameter greater than the minor axis of said neck portion, said reinforcing element engaging said neck portion along its periphery so that the interaction of the biasing forces of said element and neck portion when in equilibrium tend to produce a bag having a wide mouth normally maintained in an open condition.

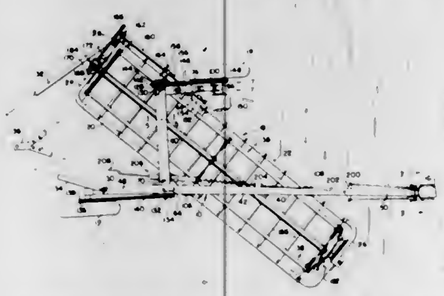
2,583,382
BEARING ASSEMBLY
Leonhard A. Maas, Trenton, N. J., assignor to The Smith Bearing Company, Inc., Orange, N. J., a corporation of New Jersey
Application May 11, 1949, Serial No. 92,709
2 Claims. (Cl. 308—72)



1. A bearing assembly comprising a body in the form of a unitary casting having a circular bearing receiving opening therethrough, there being an annular recess extending about said opening and presenting marginal shoulders at opposite sides thereof, a pair of oppositely facing arcuate bearing retaining members located in said recess and held against twisting or end play with respect to said body by engagement thereof with said shoulders, said bearing retaining members presenting complementary inwardly facing concave spherical surfaces, a

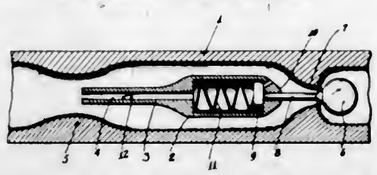
bearing unit located between said retaining members and presenting an outer spherical surface complementary therewith, said body having a rod extending therethrough into engagement with one of said retaining members at a point substantially midway between the ends thereof, means for adjusting said rod to move one of the retaining members toward said bearing unit, the other retaining member having an outwardly projecting portion thereon located opposite said rod and engaging a depression in said annular recess to prevent arcuate movement of the opposite retaining member.

2,583,383
SIDE DELIVERY RAKE AND FRAME THEREFOR
Marcus E. McClellan, Ottumwa, Iowa, assignor to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application October 15, 1949, Serial No. 121,513
15 Claims. (Cl. 56—377)



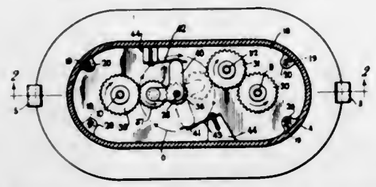
1. A side delivery rake, comprising: a main frame having an elongated, fore and aft extending beam of upwardly arched construction providing an upper, intermediate part having front and rear portions, a front leg rigidly fixed to the front portion and inclining downwardly and forwardly therefrom to a forward end, and a rear leg rigidly fixed to the rear portion of said intermediate part and inclining downwardly and rearwardly therefrom to a rear end, said main frame further having a transverse beam rigidly secured at one end to the fore and aft beam substantially at the junction of the intermediate part and front leg and positioned generally at the level of said intermediate part, and a third leg rigidly secured to the opposite end of the transverse beam and extending downwardly and rearwardly therefrom to provide a rear end spaced transversely from the fore and aft beam and substantially midway between the front and rear legs; wheel means sustaining the frame for forward travel over the ground, including first and second fixed-direction wheels respectively journaled on the ends of the front and third legs, and a third caster wheel journaled on the end of the rear leg; a reel frame, of generally rectangular shape as viewed from above, positioned diagonally of the main frame and lying below the transverse beam and the intermediate part of the fore and aft beam and ahead of the third leg and between the front and rear legs, said reel frame further having a front corner portion transversely spaced from and substantially in transverse alinement with the forward end of the front leg and ahead of the third leg; means supporting the reel frame on the main frame; and a draft frame at the front end of the main frame, including a pair of transversely spaced apart elements connected respectively to the aforesaid corner of the reel frame and to the aforesaid forward portion of the front leg, and further having a draft-connection element fixed to said transversely spaced elements and extending forwardly thereof to a point substantially on the longitudinal centerline between the first and second wheels.

2,583,384
FLOW REGULATOR
Jean Mercier, New York, N. Y.
Application September 29, 1944, Serial No. 556,459
2 Claims. (Cl. 137—153)



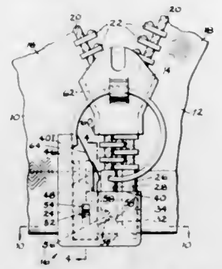
1. An excess flow cut-off device comprising a conduit member provided with a valve seat, a valve element coacting with said seat to shut off flow through said conduit member, means biasing said valve element to open position, a chamber positioned in said conduit member downstream of said valve seat, an imperforate movable partition in said chamber connected to the valve element and separating the upstream end from the downstream end, a small orifice establishing communication between the upstream end of the chamber and the portion of conduit member located between the chamber and said seat, a restriction formed in said conduit member downstream of said chamber arranged to produce a zone of high velocity flow and low pressure, means establishing communication between said zone and the downstream end of the chamber, whereby when the velocity of flow through said restriction exceeds a predetermined value as determined by the biasing means a differential pressure will be created on opposite faces of the partition sufficient to effect movement of the partition and valve element connected thereto to closed position.

2,583,385
AUTOMATICALLY OPERATED FILM WINDING MECHANISM
William E. Miller, Hudson, Ohio, assignor to The Morse Instrument Company, Hudson, Ohio, a corporation of Ohio
Application January 11, 1947, Serial No. 721,543
4 Claims. (Cl. 242—55)



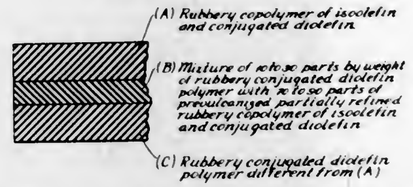
1. A reversible winding apparatus comprising a driving sun gear, a cage and an intermediate, planetary driving gear, a pair of driven gears with their pitch circles substantially tangent to an extreme orbit of the pitch line of the planetary gear about the sun gear axis, slip detents defining the positions of toothed engagement of the planet gear with the respective driven gears, whereby the planetary gear resumes orbital motion of constant direction in response to a braking of an engaged driven gear sufficient to overcome the detent, an auxiliary gear in constant mesh with one of said pair of gears, a spool rotatable with said auxiliary gear, a spool rotatable with the other of said pair of gears, and means on said spools for attaching the ends of a web.

2,583,386
SEPARABLE SLIDE FASTENER
Otto J. Moehler, Newark, N. J., assignor to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application March 28, 1945, Serial No. 585,296
21 Claims. (Cl. 24—205.11)



1. A fully separable slide fastener comprising stringers, a slider, and a separable bottom stop, said bottom stop comprising a stud secured to the lower end of one stringer, a pin secured to the lower end of the other stringer, a clip secured to the stud, and a slider-holding spring provided with integrally formed projecting means for releasably retaining the slider, said clip having a socket formed at one side of the stud to receive the pin, and said clip having a housing at the opposite side of the stud to house said slider-holding spring, the thickness of the clip in a direction perpendicular to the plane of the tapes being substantially the same as in a corresponding bottom stop not having a slider-holding spring, said housing and the integrally formed projecting means of the spring coming to a level higher than the socket so that the integrally formed projecting means of the spring can cooperate with the slider to hold it at the clip.

2,583,387
RUBBERY ADHESIVE COMPOSITION AND METHOD OF MAKING AND USING THE SAME
Richard T. Morrissey, Cuyahoga Falls, and Richard A. Crawford, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 18, 1948, Serial No. 50,003
16 Claims. (Cl. 154—139)



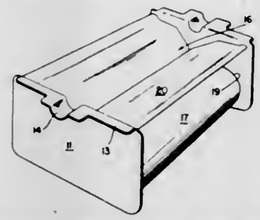
11. The method of adhering together a body of a composition comprising a rubbery copolymer of from 80 to 99½ parts by weight of an isoolefin having from 4 to 7 carbon atoms and from ½ to 20 parts by weight of an open-chain conjugated diolefin having from 4 to 8 carbon atoms, and a body of a composition comprising a different rubbery polymer of an open-chain conjugated diolefin, which method comprises interposing between said bodies a layer of rubbery composition comprising a mixture of from 10 to 30 parts by weight of said rubbery diolefin polymer in an unvulcanized condition, 70 to 90 parts by weight of said rubbery copolymer which has been vulcanized and partially refined by mechanical mastication to a condition in which the copolymer begins to cohere into loose agglomerates but possesses insufficient plasticity to form a continuous sheet, and a vulcanizing agent, and heating said bodies in contact with said layer to vulcanize the assembly.

2,583,388
CONDUCTING SEAL FOR HIGH-PRESSURE LAMPS
Evan Herbert Nelson, Harrow Weald, and Ernest Benjamin Power, Kenton, England, assignors to General Electric Company, a corporation of New York
Application September 14, 1948, Serial No. 49,144
In Great Britain May 1, 1947
1 Claim. (Cl. 49—92.5)



An elongated stem for a high pressure metal vapor electric discharge device having a quartz envelope, comprising a tungsten rod, a quartz tube closely surrounding said rod to provide mechanical support therefor, having one end adapted for fusion with the envelope of the device and being of enlarged diameter at its opposite end with a re-entrant portion at said end, and intermediate glass body hermetically uniting and constituting the sole hermetic seal between said rod and said tube and being positioned at the inner end of said re-entrant portion to close the enlarged end of said tube, and finely divided refractory inert material filling and tightly packed into the space defined by the rod, the enlarged end of the tube and the glass body to minimize condensation of metal vapor in said stem.

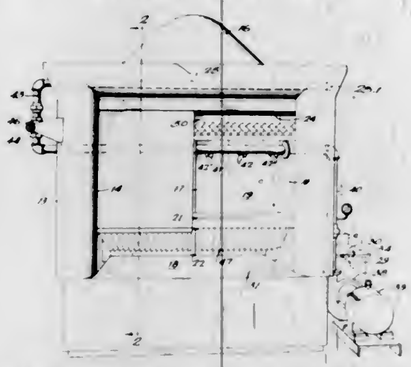
2,583,389
ASH TRAY AND RECEPTACLE
Richard W. Nickerson, Eagle Rock, Calif., assignor of one-fifth to Robert W. Maxwell, Los Angeles, Calif.
Application April 12, 1946, Serial No. 661,538
4 Claims. (Cl. 220—20.5)



1. A device of the character described comprising a receptacle having spaced end walls, and outwardly bowed side walls, the side walls being flexible and resilient, and closures extending inwardly toward one another from the upper ends of the side walls, to normally engage one with the other to close the upper end of the receptacle, and then extending outwardly, the upper por-

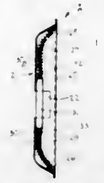
tions of said end walls and the outwardly-extending portions of the closures forming a tray for temporarily receiving material, the closures being movable away from one another to admit material into the receptacle upon the application of sufficient downward pressure to the closures to flex said side walls, the resiliency of said side walls restoring the closures to the closed positions when said pressure is relieved.

2,583,390
WATER WASH BOOTH
Jens A. Paasche, Wilmette, Ill.
Application September 1, 1949, Serial No. 113,588
1 Claim. (Cl. 183—26)



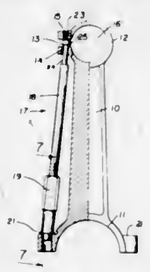
An air washing booth of the class described comprising, a housing having an open front for the admission of an air stream and having an exhaust adjacent the rear top part of said housing for the discharge of said air stream, a vertical partition located in said housing intermediate the front and back thereof to form a washing chamber rearwardly of said partition communicating with said exhaust, said partition being spaced from the bottom of said housing to form an air passage around the lower end of said partition leading to said washing chamber, water spray means located in said wash chamber above said passage, a row of removable angle plates supported in spaced relationship across said wash chamber below said water spray means, said plates being positioned with the legs thereof inclined to the horizontal and with the plates facing downwardly, said plates being also spaced apart horizontally thereby providing a passage between adjacent plates wherein a rising air current is intermingled with a water spray dispersed by said plates, a plurality of horizontal tiers of angle plates arranged across said wash booth above said water spray means, said plates being spaced apart horizontally in said tiers with the corresponding legs of said plates all parallel and with the plates facing downwardly, said plates of alternate tiers being disposed in approximate vertical alinement and the intermediate tier of plates being reversed with respect to the plates of said alternate tiers and having the legs of said intermediate tier of plates overlying and bonded to the opposite legs of adjacent plates, the horizontal spacing of said plates being such that the edge of one leg of a plate is approximately in vertical alinement with the edge of the other leg of the adjacent plate, means for providing a supply of water to said spray means, an elongated overflow pan having an edge which coincides with the upper edge of said partition, a nozzle extending into said pan for supplying water thereto, a vertically disposed baffle extending longitudinally of said pan and below said nozzle in said pan, said baffle being located intermediate said nozzle and said upper edge of said partition whereby water from said pan overflows said partition and flows down the front thereof at a uniform rate.

2,583,391
RESILIENT STRIKE PLATE
Bert A. Quinn, St. Paul, Minn.
Application July 17, 1947, Serial No. 761,587
2 Claims. (Cl. 292—341.15)



1. A strike plate comprising a hollow channel shaped enclosure having a notch in the base thereof and intermediate the ends thereof, a pair of ears struck from opposite ends of said enclosure, a strike plate bar bridging said notch, and spring means supported by said ears and by the ends of said bar to resiliently urge said bar forwardly into latch engaging position against the base of said enclosure.

2,583,392
TOOL FOR SPREADING SPLIT ENDS OF CONNECTING RODS
John A. Riordan, Denver, Colo., assignor to James T. Clark, Fort Morgan, Colo.
Application September 27, 1948, Serial No. 51,448
3 Claims. (Cl. 254—100)

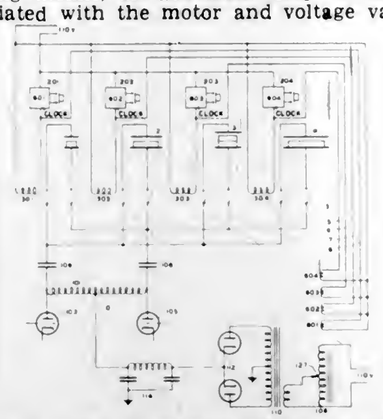


1. A tool for spreading a split wrist pin accommodating boss at the outer end of a connecting rod to enable a wrist pin readily to be removed from or to be inserted into said boss, said tool comprising a member to be engaged at its outer end with a portion of said boss and operable by outward movement thereof to exert a spreading force upon said boss, and a screw element reactable directly from an inner end portion of said rod directly against said member to move said member outwardly.

2,583,393
ELECTRONIC HEATING
Gordon B. Sayre, Boonton, N. J., assignor to Boonton Molding Company, Boonton, N. J., a corporation of New Jersey
Application May 23, 1946, Serial No. 671,706
18 Claims. (Cl. 219—20)

10. Pill heating apparatus for use with a molding press, said apparatus comprising a heating

head including spaced electrodes, a radio frequency generator for supplying radio frequency power to said electrodes, a voltage varying means for said generator, a motor to move said voltage varying means, an automatic stop mechanism associated with the motor and voltage varying



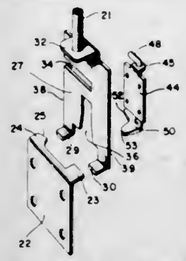
means in order to provide different automatic stop positions and voltages each preselected for pills of different size, and multiple push buttons for controlling said stop mechanism, each of said buttons serving to start the motor and to independently select one of said automatic stop positions.

2,583,394
EXTREME PRESSURE GREASES
John E. Schott, New York, and Eldon L. Armstrong, Garden City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application September 20, 1950, Serial No. 185,913
9 Claims. (Cl. 252—36)

1. A method of producing a lubricating composition comprising, mixing together with a mineral oil basic compounds of lead and of a metal selected from the group consisting of calcium, barium, magnesium and strontium, with less than their equivalent of high molecular weight saponifiable material and with a small proportion of a mono-basic fatty acid having less than 4 carbon atoms sufficient in amount to substantially neutralize the excess basic metal compounds, the amount of said saponifiable material being sufficient to neutralize a major fraction but substantially less than all of said basic compounds and the basic compounds of lead and of soap-forming metal both being present in substantial amounts, heating the mixture under pressure while mixing to effect all the saponification simultaneously, thereafter releasing the pressure and heating the material at substantially atmospheric pressure to effect substantial dehydration, adding a minor proportion of a non-corrosive sulfurized fatty oil to the mixture and finally cutting back the mixture with additional mineral oil to the desired consistency.

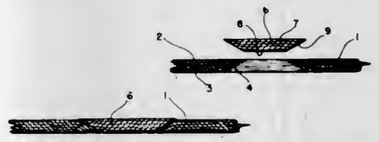
2,583,395
SASH CORD HOLDER
John B. Skelly, Seattle, Wash.; Mary Young Skelly, executrix of said John B. Skelly, deceased, assignor to Mary Young Skelly, Seattle, Wash.
Application November 23, 1946, Serial No. 711,976
1 Claim. (Cl. 16—202)

In a sash cord fastener adapted for use in a window frame having a vertical guideway, a window sash slidably mounted therein, a sash counterbalancing means, and a flexible connector joining the counterbalancing means and the window sash, said sash cord fastener comprising: a sash latch to be secured to a frame abutting edge of said sash, said latch having horizontally disposed lugs directed outwardly from said frame abutting edge and having a cam surface on one of said lugs; a connector plate juxtaposed to said sash latch having horizontally disposed lugs directed toward said sash latch and disposed with the lugs of said sash latch superposed thereto whereby said latch and said connector plate are interengaged, said connector plate having
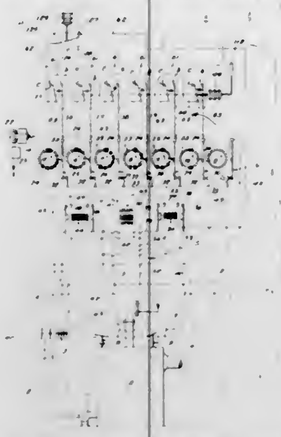


a horizontally disposed locking bar groove and an upper lug for atachment to said flexible connector; and a lock bar plate to be secured in said guideway having upper and lower lugs, a vertical locking bar shaft journaled in said lock bar plate lugs and having at its upper end a horizontal locking bar and at its lower end a cam member adapted to coact with the cam surface of said sash latch, for pivoting said locking bar into said locking bar groove for fastening said connector plate when said sash is swung out of said guideway and for pivoting said locking bar out of said locking bar groove when said sash is swung back into said guideway.

2,583,396
PROCESS OF INLAYING SHEET MATERIAL AND THE PRODUCTS THEREOF
Per F. Skoog, Olympia, Wash.
Application January 10, 1949, Serial No. 70,125
4 Claims. (Cl. 20—89)



1. A patched veneer sheet having secured in an opening therein a flat-faced patch having substantially normal and undistorted cell and grain structure and having its edge walls cut to flare from the back to the face of said veneer sheet; the face of said patch being positioned substantially in the plane of the face of said sheet and the back of said patch being positioned substantially in the plane of the back of said sheet; the walls of said opening being formed of grain structure integral and originally coplanar with the face grain of the veneer sheet and bent to lie along said walls of the patch, and being tensed to press against said walls of the patch; and the portion of said veneer sheet forming that surface of the back immediately bordering said patch lying substantially in the same plane as the rest of the back of the veneer sheet and being formed of material originally constituting the walls of an opening in said veneer sheet which flared from the face to the back of said veneer sheet.

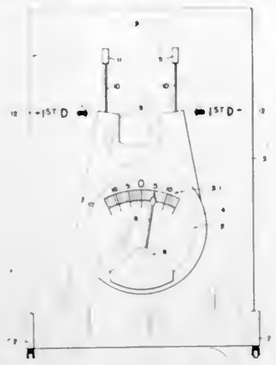
2,583,397
AUTOMATIC CONTROL FOR TEMPERATURE CONTROLLING SYSTEMS
George Strysko, Flushing, N. Y.
Application October 23, 1948, Serial No. 56,237
11 Claims. (Cl. 236—46)



1. In a temperature controlling system of the class described having an electrically operated temperature controlling unit, control means for said system comprising, in combination, an energizing circuit for said temperature controlling unit, means including a starting relay having a first switch adapted when actuated to close said energizing circuit, a second circuit for energizing said starting relay, a plurality of switches arranged in parallel in said second circuit, time control means including a plurality of rotatable discs, one for each of said switches, means for rotating said discs continuously at a predetermined speed, switch actuating means on each of said discs constructed and arranged to close a respective switch at predetermined periods during each revolution of said discs, thermostat means responsive to outdoor temperatures having a plurality of switches arranged in said second circuit and operating at respectively different temperatures for selectively controlling the current in said second circuit through said first-named switches, a holding relay having a first switch adapted when actuated to maintain said first circuit closed, said starting relay having a second switch adapted when actuated to complete an energizing circuit to said holding relay, said holding relay having a second switch adapted when actuated to maintain said last named energizing circuit closed, and means including a switch responsive to a predetermined condition in said system and operating a critical condition attained during operation of said system to open said first-named and last named energizing circuits.

2,583,398
INSTRUMENT READING TRAINING DEVICE
Joseph Clay Thompson, Davenport, Iowa, assignor to B. J. Palmer, Davenport, Iowa
Application January 3, 1950, Serial No. 136,558
11 Claims. (Cl. 35—39)

1. In an educational appliance, a broad opaque vertical support having a central vertical slot in the lower part thereof, a bracket slidably mounted in the slot of the support, a pointer in front of the dial pivotally mounted upon the bracket, a stationary drawing board mounted on the support in the rear thereof, a manually operable arm having its lower end pivotally mounted upon the bracket and its upper end provided with a stylus extending into proximity with the drawing board, and corresponding inter-

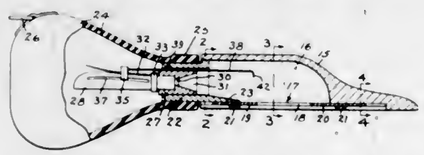


meshing gears united to the pivots of the pointer and stylus arm arranged to compel simultaneous movement of the pointer when the stylus is manually moved laterally.

2,583,399
CORROSION PREVENTION METHOD
Aaron Wachter, Oakland, Calif., and Wilfrid W. Newschwander, Ellensburg, Wash., assignors to Shell Development Company, Emeryville, Calif., a corporation of Delaware
No Drawing. Application March 5, 1951, Serial No. 214,032
11 Claims. (Cl. 252—8.55)

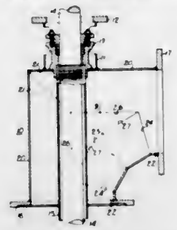
8. The method of treating a hydrocarbon containing system in its natural state in a well for the purpose of inhibiting corrosion by aqueous carbonic acid of well metal parts, said system comprising a non-oxidizing gas phase, a liquefied normally gaseous hydrocarbon phase and a minor amount of aqueous carbonic acid, which system in a state of agitated flow at a temperature of between about 45° C. and about 125° C. and under a pressure of between about fifteen and about seven thousand pounds per square inch absolute, comes in contact with corrodible well parts, which method includes the step of mixing with said system an amount of below approximately one weight per cent and above approximately 0.0001 weight per cent of an oil-soluble salt of an organic sulfonic acid having a molecular weight between about 450 and 880, said salt having an oleophilic residue containing at least about 16 carbon atoms.

2,583,400
DUCK AND GOOSE CALL
William J. Wade, Seattle, Wash.
Application April 15, 1946, Serial No. 662,218
4 Claims. (Cl. 46—180)



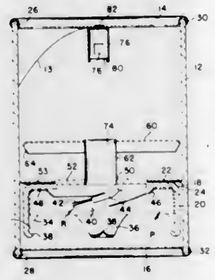
1. In a call of the class described, a body portion having a chamber therein, said chamber having an opening; slide means movable to regulate the area of said opening; a collapsible hollow rubber bulb connected with said body portion; and reed type sound producing means communicating with said chamber and shielded in said bulb and adapted to be operated by movement of air produced by compressing said bulb.

2,583,401
PIPE JOINT
Wilton W. Weitmer, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application January 10, 1950, Serial No. 137,680
3 Claims. (Cl. 285—211)



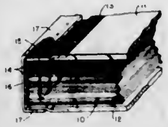
1. An elbow or the like for connecting lengths of pipe, in combination: pipe elements with extended portions of semicircular section arranged so that their axes intersect, a generally convex inner corner formed by a plurality of abutting gores of semicircular section, each gore having the same radius as said pipe elements; a semielliptical edge on the nonextended portion of each of said pipe elements; the gore at each end of said plurality of gores abutting respectively said semielliptical edge on each pipe element; flat members conforming respectively to the size and shape of the respective spaces bounded by the axially extending edges of said pipe elements and said gores, said flat members disposed respectively in said spaces in abutting relation with said axially extending edges; and all of said abutting edges are joined as by welding.

2,583,402
SOUND PRODUCING DEVICE, ESPECIALLY FOR DOLLS
John H. Wilhelm, Hamilton Beach, N. Y., assignor to Voices, Inc., Bayonne, N. J., a corporation of Delaware
Application May 19, 1947, Serial No. 749,000
11 Claims. (Cl. 46—187)



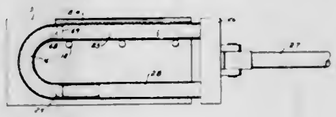
4. An articulative sound-producing device comprising a hollow cylinder, and a piston slidable in said cylinder and carrying a reed assembly, one end of said cylinder having a stationary valve member, the side of said piston adjacent said valve member having a piston guide disc of approximately the same diameter as the piston, and a tube having a diameter substantially smaller than the piston connecting and spacing apart in fixed relation said piston and guide disc for movement together, said tube providing a valve ring as an integral part thereof for sliding cooperation with the aforesaid stationary valve member, said valve ring and stationary valve member being in coaxial alignment.

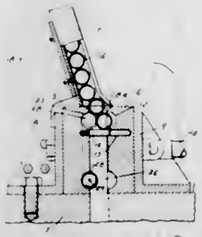
2,583,403
BOOKBINDING
Guy Brown Wiser, Los Angeles, Calif., assignor to Marador Corporation, Glendale, Calif., a corporation of California
Application January 4, 1947, Serial No. 720,169
8 Claims. (Cl. 281—27)



1. In a device of the character described, a filler having pages secured together by stitching, a casing comprising cover members consisting of sheet plastic plates, transparent sheet plastic hinge members attached to the cover members and having an extension positioned around the back of said filler, means on the inner side of said extension visible therethrough adapted to form a back design for the casing, said casing being attached to the filler by inclusion in the filler stitching, and plastic means covering and embedded in the exposed parts of said stitching.

2,583,404
TUBE BENDING APPARATUS
Samuel P. Wyrfel, West Hartford, Conn., assignor to The Bush Manufacturing Company, Hartford, Conn.
Application August 3, 1948, Serial No. 42,253
12 Claims. (Cl. 153—32)



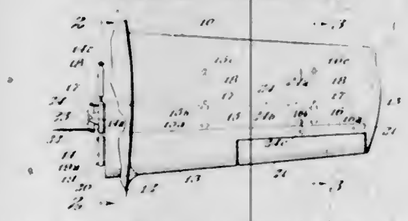


1. An apparatus of the character described for bending an elongated blank including a bending die comprising a pair of opposed halves having a bending cavity therebetween, each of said die halves having therein one half of said cavity, means for moving at least one of the said halves for opening and closing said die to permit the insertion of elongated blank members into the said cavity and the ejection of said members from said cavity after they have been bent therein, means for moving said members is said cavity for a bending operation, and means including supporting pins carried by one of said die halves and extending across the space between said die halves, when open, to support the said blank

members substantially in alignment with the die cavity so as to permit the said members to be received in said cavity upon the closing of the die.

11. A bending apparatus comprising a die which includes a pair of opposed halves having a bending cavity therebetween, each of said die halves having therein one-half of said cavity, means for moving at least one of the said halves for opening and closing said die to permit the insertion of a blank into the said cavity and the ejection of said blank from the said cavity after a bending operation, means including a magazine positioned over the die for feeding the blank into said cavity, and a plurality of supporting pins carried by one of said die halves and extending across the space between the said die halves, when open, to receive a blank from the magazine and support it substantially in alignment with the die cavity so as to permit the said blank to be received in said cavity upon the closing of the die.

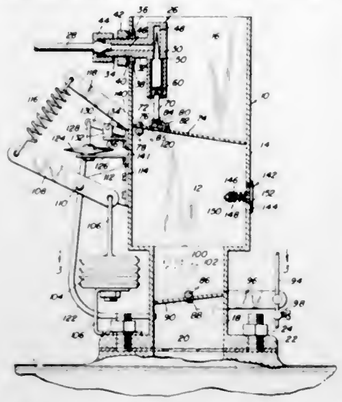
2,583,405
FULL SPAN FLAP AND AILERON CONTROL
Robert Talbot Youngman, Longacres, Wooburn Green, England
Application October 22, 1946, Serial No. 704,910
In Great Britain September 6, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 21, 1965
2 Claims. (Cl. 244—90)



1. In combination, an aircraft wing, a flap extending along at least a substantial part of the wing span, a plurality of parallel links connecting said flap to said wing, each link having a pivotal connection near one end with said wing along a fixed axis and a pivotal connection near the other end with said flap along a movable axis, a cooperating torque link pivotally mounted at one end upon a separate fixed axis and pivotally connected at the opposite end to the flap at a point substantially removed from said movable axis, the torque link and the parallel links combining to cause bodily retraction or extending movement of said flap with respect to the wing to be effected in response to angular movement of said parallel links, an aileron hinged to the rear portion of said flap, and means for uniformly operating said aileron angularly with respect to said flap in all operative positions of said flap with respect to said wing, including a lever mounted on one of said links and supported for pivotal movement in the plane defined by the pivotal axes of the links, a lever operating member connected to the lever substantially in line with the fixed axis, and a lever operated member connected to the lever substantially in line with the movable axis.

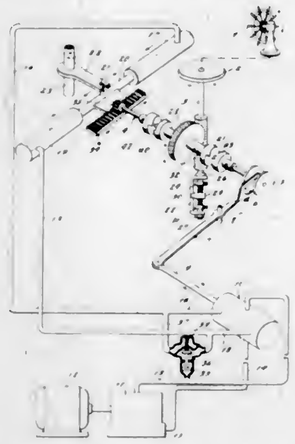
2,583,406
CARBURETOR
Lucien T. Arnold, Pensacola, Fla.
Application April 6, 1948, Serial No. 19,260
1 Claim. (Cl. 261—39)

A carburetor comprising a housing having an axially reduced open end adapted to be attached to the intake manifold of an internal combustion engine, said housing having an air inlet opening at its other end, a fuel nozzle positioned axially of and within the housing adjacent the air inlet opening, a needle valve in said nozzle, a valve plate positioned transversely in the housing below the fuel nozzle and connected to the needle valve, said valve plate being journaled at one end for vertical swinging movement in the housing



responsive to suction in the intake manifold, an actuating arm for said valve plate, a thermostat for actuating the arm, a bellows operatively connected to the reduced end of the housing and responsive to vacuum in the intake manifold, a bar mounted for pivotal movement and connected to said bellows, stop means actuated by the bellows and adjustably secured to said bar for limiting the movement of the actuating arm.

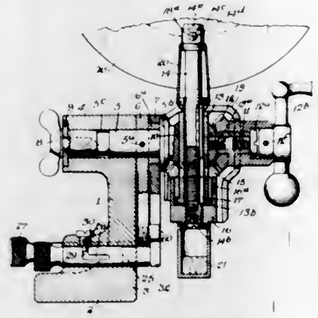
2,583,407
POWER STEERING MECHANISM
Charles F. Binder, Cranford, N. J., assignor to Lidgerwood Manufacturing Company, Elizabeth, N. J., a corporation of New York
Application December 12, 1945, Serial No. 634,475
7 Claims. (Cl. 74—625)



1. In a steering mechanism of the character described, the combination of a rotatable, internally-threaded sleeve, means for holding the same against axial movement, an axially movable rotatable shaft extending through the sleeve and having a threaded section engaged therein, oppositely arranged clutch drive members secured to

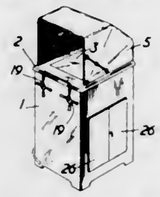
the opposite ends of the sleeve, a clutch driven member secured to the shaft adjacent but normally spaced from each of the clutch drive members, whereby axial movement of the shaft in response to rotation of the sleeve simultaneously advances one of the driven members toward and the other driven member away from its adjacent drive member, manual means for rotating the sleeve, and power means, normally responsive to movement of the shaft in one axial direction, adapted to rotate the shaft in the sleeve in a direction to cause the shaft to move in the opposite axial direction.

2,583,408
SINE-BAR GRINDING WHEEL TRUING DEVICE
Leon Paul Black, Cliffside Park, N. J.
Application October 30, 1945, Serial No. 625,639
18 Claims. (Cl. 125—11)



1. A grinding wheel truing instrument comprising a rotatable shaft carrying a transversely movable tool bar, a sine-bar attached to the shaft for rotating it to swing the tool bar into elected angular positions of adjustment, an angle setting member journaled on the shaft, having a lateral edge disposed radially of said shaft for fixing the position of the sine-bar, a frame in which the shaft is mounted and a stop pin on the frame disposed with reference to the shaft axis and cooperating with the radial surface of said member.

2,583,409
EPISCOPIC OPTICAL PROJECTION APPARATUS
Hugh Villiers Briscoe and Robert Cecil Byng, London, England, assignors to Grant Production Company Limited, London, England, a British company
Application August 25, 1949, Serial No. 112,256
In Great Britain August 27, 1948
5 Claims. (Cl. 88—24)



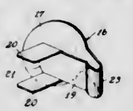
1. An optical projection apparatus of the episcope type comprising in combination a casing open at the top end and adapted to rest with its lower end upon a base, a viewing screen horizontally mounted on the casing so as to form the top cover thereof, an object mounting platform, lens carrier means, a light unit, vertically disposed guide tracks mounted within the casing and slidably guiding said platform and said lens carrier means, the said lens carrier means being positioned between the screen and the platform for reflecting the image of an object placed on the platform upon the screen, the said light unit being positioned to illuminate said object, and cable and pulley means interconnecting the platform and the lens carrier means for varying the vertical distances thereof relative to each other and to the screen, thereby focusing the lens carrier means and adjusting the size of the reflected image.

2,583,410
SEAT STRUCTURE
William E. Burnett, Montclair, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 3, 1947, Serial No. 720,122
5 Claims. (Cl. 155—5)



1. A seat structure for use in a room having a floor and a vertical wall comprising a seat, a back pivotally connected to said seat and foldable thereon, supporting legs pivotally connected with the seat and said floor mounting the seat for vertical swinging movement between an upright seating position and a lowered stored position on the floor, and a plurality of links pivotally anchoring an intermediate portion of said back to said wall and acting as a fulcrum whereby the back when being folded serves as an actuating lever to move said seat from one position to the other.

2,583,411
PAPER HOLDER ESPECIALLY ADAPTED FOR TOILET PAPERS
Arvid F. Carlin, New Rochelle, N. Y.
Application October 25, 1948, Serial No. 56,396
1 Claim. (Cl. 242—55.2)



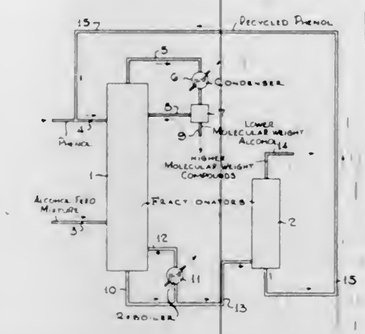
A toilet paper roll holder having a pair of blanks bent upon themselves, each of said blanks comprising a substantially circular-formed flat portion adapted to engage a roll of toilet paper, said flat portion terminating in a reduced portion forming a shank bent upon itself, two prongs integral with said shank and bent at a 90 degree angle to the latter, said prongs being adapted for insertion into the hole in a casing arranged in the recess in a wall, whereby to secure said roll of toilet paper.

2,583,412

EXTRACTIVE DISTILLATION OF ALCOHOLS WITH PHENOL SOLVENT

Carl S. Carlson, Elizabeth, and Paul V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application September 16, 1947, Serial No. 774,328
7 Claims. (Cl. 202—39.5)



1. The method of separating alcohols containing from 1 to 5 carbon atoms per molecule which form close-boiling mixtures difficult to separate by ordinary fractional distillation, which comprises continuously introducing a feed mixture of said alcohols to a fractional distillation zone wherein vapors of said alcohols ascend countercurrently to liquid reflux of the alcohols dissolved in a high proportion of a phenol to effect vaporization of the more volatile alcohol, continuously removing vapor of the lower molecular weight compounds, overhead from the fractional distillation zone and removing a solution of the less volatile alcohol in the phenol as bottoms.

5. The method of separating alcohols containing from 1 to 5 carbon atoms per molecule from neutral oxygenated organic compounds which form close boiling mixtures difficult to separate by ordinary fractional distillation, which comprises continuously introducing the mixture to a fractional distillation zone wherein vapors of said alcohols ascend countercurrently to liquid reflux of the alcohols and oxygenated compounds dissolved in a high portion of a phenol to effect increased vaporization of the alcohols, continuously removing vapor of the alcohols overhead from the fractional distillation zone and removing a solution of the neutral oxygenated organic compounds in the phenol as bottoms.

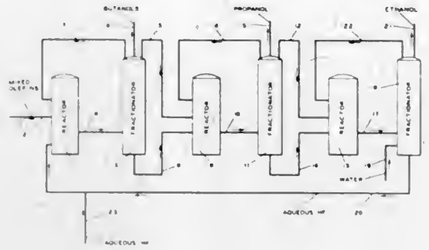
2,583,413

PREPARATION OF ALCOHOLS

Paul H. Carnell, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application September 30, 1946, Serial No. 700,277
7 Claims. (Cl. 260—641)

1. The process of converting a mixture of aliphatic olefins having different numbers of carbon atoms per molecule to the corresponding alcohols which comprises selectively hydrating said olefins by treating the olefin mixture in successive steps with aqueous hydrofluoric acid which has a higher catalytic concentration in each successive step, said concentration being effective for the hydration of only the olefin containing the most carbon atoms per molecule present in each step, effecting the increase in acid concentration in successive steps by removal of the alcohol from the effluent of a preceding step and passing the resulting more concentrated residual acid to a succeeding step, and thereby effecting successive hydration of the olefins in order of decreasing molecular weight, introducing water continuously while removing the alcohol corresponding to the olefin having the fewest carbon atoms per molecule whereby an alcohol-water azeotrope is formed and separation of that alcohol from said aqueous hydrofluoric acid is aided and said aqueous hydrofluoric acid is diluted to the strength necessary to hydrate the olefin having the most carbon atoms per molecule, and recycling said dilute aqueous hydrofluoric acid to said first successive hydration step.

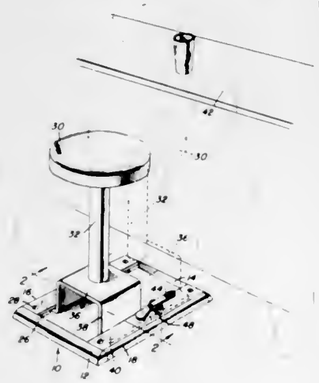


2,583,414

ADJUSTABLE STOOL BASE

Chester W. Chain, Tulelake, Calif.

Application October 31, 1949, Serial No. 124,607
2 Claims. (Cl. 248—194)



1. An adjustable base for a stool comprising a substantially rectangular support having a base plate and longitudinally extending L-shaped bars, said bars including horizontal and vertical legs, the latter being secured to said base plate and forming channels therewith, an inverted U-shaped plate having legs and a web portion, the latter being secured centrally to the stool, lateral extensions carried by the legs of said plate and slidably received between said horizontal legs of said bars and said base plate, and a releasable latch means for retaining said extensions and said stool in adjusted position on said support.

2,583,415

LOWER ALKYL ESTERS OF FLUORINATED PROPIONIC ACID AND A METHOD OF MAKING THE ESTERS

David W. Chaney, Nether Providence Township, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Original application June 28, 1946, Serial 680,055. Divided and this application June 4, 1948, Serial No. 31,204
6 Claims. (Cl. 260—487)

4. Method of making esters of fluorinated propionic acids having the general formula

$$CF_2XCClXCOOR$$

where X is selected from the group consisting of fluorine and chlorine, and R is an alkyl radical containing from 1 to 4 carbons, which comprises treating a fluorinated propylene of formula

$$CF_2XCX{=}CCl_2$$

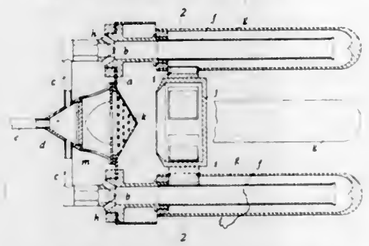
with oxygen mixed with chlorine gas, under the influence of actinic radiation and reacting the acyl halide thus obtained with a lower aliphatic alcohol.

2,583,416

LIQUID FUEL VAPORIZER

John Stanley Clarke, Blacko, near Nelson, William Edmund Gregory, Burnley, and Alan Joseph Gerrard, Blackburn, England, assignors to Joseph Lucas Limited, Birmingham, England

Application December 5, 1949, Serial No. 131,086
In Great Britain December 7, 1948
4 Claims. (Cl. 60—39.71)



1. A liquid fuel vaporiser comprising in combination at least one fuel injection nozzle, a short cylindrical primary combustion chamber which is open at one end, and which is provided at its periphery with at least one tangentially arranged inlet for admitting to said chamber a mixture of fuel from said nozzle and air, at least one vaporising tube leading from said nozzle to said inlet for conducting the mixture to said inlet, said vaporising tube being arranged to extend alongside the periphery of said chamber, a carrier on which said nozzle and vaporising tube are mounted, and an air nozzle provided on said carrier at a position adjacent to the open end of said chamber.

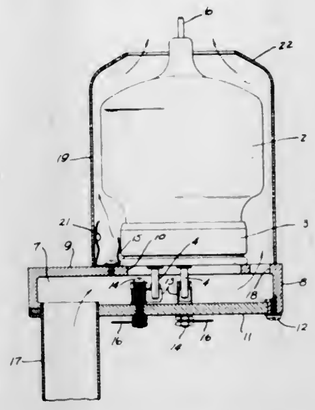
2,583,417

AIR-COOLED SOCKET FOR ELECTRON TUBES

William W. Eitel, Woodside, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Application November 24, 1947, Serial No. 787,744
2 Claims. (Cl. 174—16)

1. A cooling socket for an electron tube having a base with terminals thereon, comprising a chamber for receiving the terminals, said chamber having a top wall apertured to provide an opening through which the terminals project and having a bottom wall below the terminals, connector means on the bottom wall engageable with the terminals, an inlet for admitting air under pressure to the chamber, the apertured top wall providing an outlet for exhausting air from the chamber, and a chimney on the top wall receiving air from said outlet, said chimney surrounding and extending substantially the entire length of the tube for directing the exhausted air along the same.

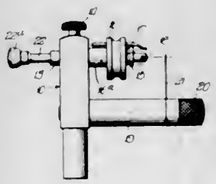


2,583,418

HOROLOGICAL BALANCE WHEEL HOLDING AND ROTATING DEVICE

Victor L. Emanuel, Colorado Springs, Colo.

Application June 14, 1948, Serial No. 32,783
1 Claim. (Cl. 51—236)



In a horological balance wheel holding and rotating device, the combination of a vertically disposed supporting post with a horizontally extending pintle rigidly mounted on the lower part of the post; an upstanding balance wheel pivot receiving apertured plate adjustably mounted at its lower end on said pintle and arranged transversely thereof; a horizontally disposed hollow member in the upper end of said post, arranged parallel with said pintle and having an annular flange at its inner end; a pulley, with an elongated hub for maintaining the pulley against said annular flange, rotatably mounted on said member and provided with a longitudinally adjustable balance wheel controlling pin; a pivot holding rod slidably and removably mounted in said hollow member and provided at its inner end and at its longitudinal axis with a balance-wheel pivot-receiving aperture; and means for holding said rod in its adjusted position.

2,583,419
PRODUCTION OF ORGANIC TIN COMPOUNDS

Donald Faulkner, Epsom, and John Noel Milne, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company

No Drawing. Application September 5, 1950, Serial No. 183,287. In Great Britain October 4, 1949

5 Claims. (Cl. 260—429)

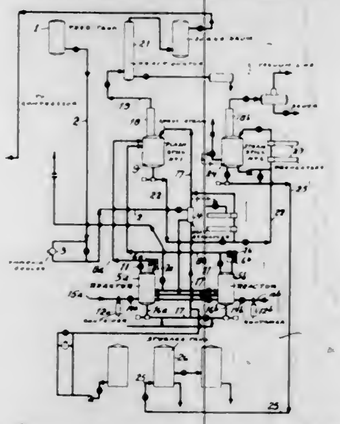
1. A process for the purification of trialkyl tin mono-alkoxide, wherein the alkyl groups each contain not less than four carbon atoms and the alkyl group of the alkoxy radical contains from one to eight carbon atoms, contaminated with dialkyl tin dialkoxide which comprises subjecting said trialkyl tin mono-alkoxide, contaminated with dialkyl tin dialkoxide, to a washing treatment with a mild washing agent selected from the group consisting of water and dilute aqueous alkali.

2,583,420
CONTROLLING HEAT OF REACTION BY REFLUXING IN THE BUTADIENE-DIISOBUTYLENE COPOLYMERIZATION

John D. Garber, Cranford, David W. Young, Roselle, and William J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application July 11, 1945, Serial No. 604,350

2 Claims. (Cl. 260—85.3)



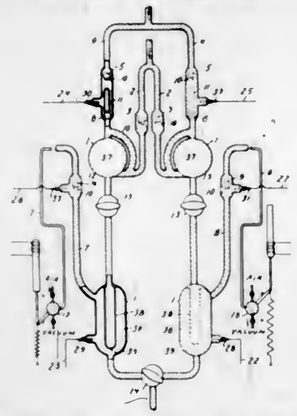
1. An improved process for copolymerizing olefinic materials which comprises admixing together a major proportion of butadiene and a minor proportion of diisobutylene, together with cold liquid propane in an amount sufficient to obtain at all times during the reaction a mixed boiling point of the total reaction mixture within the range of about +10° C. to −40° C., copolymerizing the mixed olefins at a temperature of about +10° C. to −40° C. which is partially maintained by the continuous, slow addition of liquid propane, catalyzing the copolymerization by the slow, continuous addition beneath the surface of the reaction mixture of the cold mixed olefins and liquid propane of a stream of liquid catalyst solution of aluminum chloride dissolved in an alkyl chloride selected from the group consisting of methyl chloride and ethyl chloride, the rate of addition of said catalyst solution being adjusted in proportion to the quantity of mixed olefins remaining unpolymerized, substantially maintaining the temperature within the range of about +10° C. to −40° C. during the copolymerization by the return to the reaction mixture as cold condensed reflux of substantially all of the propane and olefinic material volatilized during the copolymerization by the heat of reaction, adjusting the reflux return rate to correspond to the rate of evolution of heat of the copolymerization reaction, continuing said copolymerization until from 60% to 80% of the mixed butadiene and diisobutylene are copolymerized, whereby there is produced a fluid solution of copolymer in propane and residual unreacted olefins, which solution of copolymer, at the polymerization temperature, is of sufficiently low viscosity to be a free flowing fluid, quenching the copolymerization reaction, and isolating the copolymer of butadiene and diisobutylene from the solution of propane and residual unreacted olefins to obtain a polymer which is characterized by solidity, low elasticity, a Staudinger molecular weight in the range between 500 and 100,000, an iodine number in the range between 30 and 275, a melting point near the boiling point of water, and the property of being thermosetting.

2,583,421
PUMP

John A. Glover, Munster, Ind., and Marvin F. L. Johnson, Chicago, Ill., assignors, by mesne assignments, to Sinclair Research Laboratories Inc., Harvey, Ill., a corporation of Delaware

Application June 23, 1948, Serial No. 34,584

4 Claims. (Cl. 230—83)



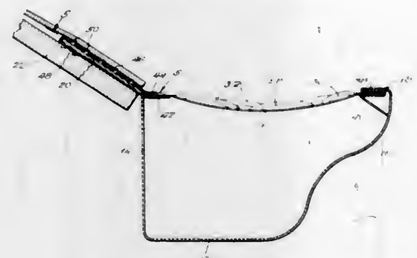
1. An apparatus for producing a constant and even flow of gas comprising a gas outlet conduit; a pair of similar positive-displacement pumping means each having a discharge outlet communicating with said gas outlet conduit; each of said similar pumping means including a gravity type check valve mounted in its discharge outlet, a reservoir depending from and communicating with said discharge outlet, power means having an upwardly extending conduit communicating at its lower end with the lower portion of said reservoir, a conducting liquid contained within said reservoir and said upwardly extending conduit and adapted for reciprocating movement in said reservoir and said upwardly extending conduit by said power means for elevating and lowering the level of said conducting liquid in said reservoir, a gas inlet conduit communicating with the upper portion of said reservoir, one way valve means mounted in said gas inlet conduit and responsive to said lowering of said conducting liquid to allow entrance of gas to said reservoir; and electrical control means for both of said power means responsive to a predetermined level of conducting fluid in the discharge outlet of one of said pumping means and a complementary predetermined level of conducting fluid in the upwardly extending conduit of the other of said pumping means for alternately applying high and low pressures to the reservoir of each pumping means one-half cycle apart to alternately elevate and lower the level of conducting liquid contained therein.

2,583,422
BUILDING CONSTRUCTION

Jesse E. Haddon, Elmwood Park, Ill., assignor of one-third to Theodore W. Blum and one-third to Charles M. Kipp, both of Chicago, Ill.

Application June 17, 1948, Serial No. 33,625

5 Claims. (Cl. 108—30)



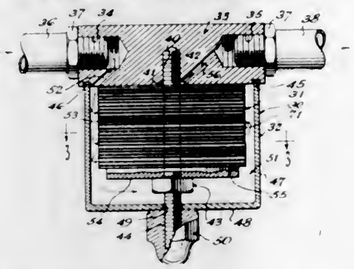
1. A cover for gutters; said cover including a relatively plane base and a series of domes struck up from said base; each dome being defined in plan view by parallel sides longer than the distance between said sides; each dome curving downward at both ends to an integral end union with said base; each dome having sharp side edges curving up above the plane of said base to define a substantially horizontal sharp edged opening between the arched dome edge and corresponding edge of said base.

2,583,423
HIGH-PRESSURE FILTER

William W. Hallinan, Racine, Wis.

Application July 30, 1949, Serial No. 107,811

9 Claims. (Cl. 210—185)



1. A filter element for oil filters or the like to be used in a stack with similar elements against a supporting base, the base and all elements having a plane backing surface for engagement with the opposite sides of the elements, the said element comprising a rigid metal member provided with a multiplicity of inwardly extending grooves for dirty liquid to be filtered, the said grooves extending from the outer edge but terminating short of a central through conduit in said element, and the said element also having a plurality of outwardly extending filtrate grooves extending from said central through conduit and terminating short of the outer edge of the element, all of the said grooves forming conduits when the discs are stacked in engagement with each other, and the base and the liquid being filtered by passing laterally from the dirty liquid grooves to the filtrate grooves.

2,583,424
ELECTRICAL TESTER

Martin M. Haslett, Demorest, Ga., assignor to William D. Highfill, Ben Tillman Naval Base, S. C.

Application March 14, 1947, Serial No. 734,702

5 Claims. (Cl. 175—183)



1. A tester for electrical appliances comprising a receptacle for receiving a plug of an electrical appliance, a pair of leads for connection to a power supply, a double pole switch for connecting the input of said power supply and a double pole switch for controlling the input of said power supply, connections between said leads and said switch, a connection from one pole of said switch to the movable contact of a multi-pole switch, a plurality of relays connected to the fixed contacts of said multi-pole switch, an indicating lamp connected between the second pole of said double throw switch and one fixed contact of said multi-pole switch, a connection between said indicating lamp and said receptacle, suitable circuits connecting the said relays, said indicating lamp and receptacle, a second indicating means in the circuits to show that the circuit between the indicating lamp and relays is complete, power supply leads in the circuit from the double pole switch to the receptacle, and the switch between the power supply leads and circuit adapted to disconnect said tester from said power supply.

2,583,425
FUNGICIDAL COMPOSITIONS CONTAINING CHLORINATED ISOPHORONE

Roger S. Hawley, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

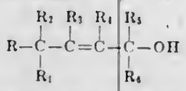
No Drawing. Application December 17, 1949, Serial No. 133,657

6 Claims. (Cl. 167—30)

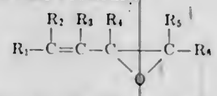
1. A fungicidal composition comprising a chlorinated isophorone having from 47 to 67 wt. per cent of chlorine said chlorinated isophorone having been prepared by the direct chlorination of isophorone in the presence of ultraviolet light at a temperature below 215° C. admixed with a surface active dispersing agent which lowers the surface tension of water and thereby promotes aqueous colloidal emulsions of the chlorinated isophorone.

2,583,426
PRODUCTION OF ALCOHOLS
John C. Hillyer and James T. Edmonds, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application April 19, 1948, Serial No. 21,862
13 Claims. (Cl. 260—632)

1. A process for producing unsaturated alcohols of the general formula

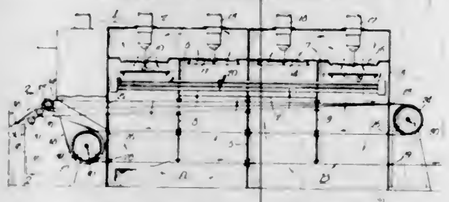


in which R represents a radical selected from the group consisting of alkyl radicals and alkyl radicals having at least one aromatic substituent and R_1, R_2, R_3, R_4, R_5, and R_6 represent radicals selected from the group consisting of hydrogen and alkyl radicals, which comprises contacting an epoxy compound having olefinic unsaturation and having the general formula



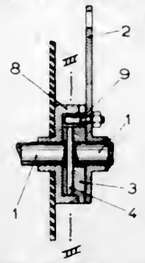
in which R_1, R_2, R_3, R_4, R_5 and R_6 represent radicals selected from the group consisting of hydrogen and alkyl radicals, with a Grignard reagent of the general formula RMgX in which X represents a halogen radical and R represents a radical selected from the group consisting of alkyl radicals and alkyl radicals having at least one aromatic substituent to form the corresponding addition compound thereof and hydrolyzing said addition compound.

2,583,427
AIR DRIER FOR WARP
Edwin M. Holt, Durham, N. C.
Application October 20, 1949, Serial No. 122,557
6 Claims. (Cl. 34—154)



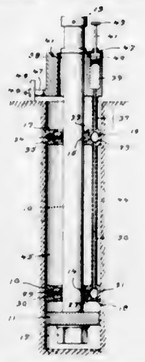
1. In an air drier for warp comprising a housing through which a shed of warp is adapted to travel in a plurality of spaced generally parallel courses, a plurality of splitting rolls rotatably mounted exteriorly of the housing and spaced from the inlet thereto operable to divide the shed of warp into a plurality of spaced groups each containing a plurality of warp elements, relatively large diameter drums rotationally mounted exteriorly adjacent the housing and operable to feed the warp through the housing at a predetermined linear speed, one of said drums being positioned for the warp to pass thereabout in transferring from the first to second course of travel through the housing and a second drum being positioned for the warp to pass thereabout in transferring from said second to the third course of travel through the housing, and means to cause said splitting rolls to rotate at a surface speed different from the linear speed of travel of the warp elements so that a wiping action takes place between the said warp elements and said rolls.

2,583,428
IRREVERSIBLE DRIVING DEVICE
René Benjamin Houplain, Paris, France
Application June 4, 1946, Serial No. 674,233
In France May 6, 1946
9 Claims. (Cl. 192—8)



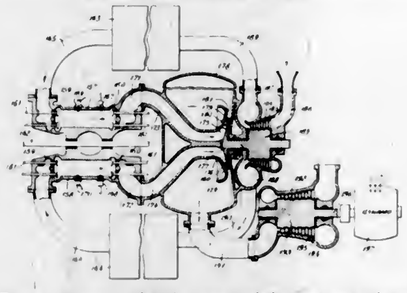
1. An irreversible driving device for rotating a driven element and locking the element from movement in either direction as soon as driving power ceases comprising, a driven element, a cam secured for rotation with said element and having at least one pair of oppositely inclined slopes thereon, a substantially fixed annular member surrounding said cam and concentric with the axis thereof, the inner periphery of said annular member constituting a substantially stationary reaction surface, rolling contact wedging members interposed between the cam slopes and the said reaction surface, unwedging means acting on said wedging members and applying power to the driven element after release of the wedging action, a driving member controlling said unwedging means, and braking means including means mounting said cam for transverse movement with respect to said driven element so that upon movement of at least one of said wedging members toward its wedging position said cam will move transversely of said driven element so that a portion thereof will frictionally engage with the reaction surface at an area opposite said wedging member so as to provide a frictional braking action which increases progressively during wedging and diminishes progressively during unwedging.

2,583,429
COUNTERBORE CUTTER FOR BOLTHOLES IN CONCRETE
Chester F. Johnson, Los Angeles, Calif.
Application July 31, 1950, Serial No. 176,908
5 Claims. (Cl. 255—74)



1. A counterbore forming tool comprising a rotary cutter, a shaft on which the rotary cutter is mounted, bearing blocks positioned around the shaft and in which the shaft is journaled, mounting discs positioned in planes perpendicular to the axis of the shaft and in which the bearing blocks are slidably mounted, means shifting the position of the bearing blocks in the mounting discs whereby the centers of the bearing blocks are eccentrically positioned in relation to the discs, and means rotating the said mounting discs.

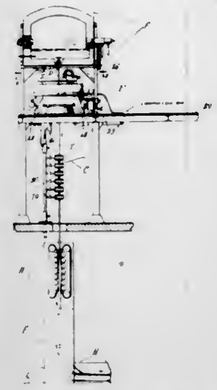
2,583,430
POWER PLANT, INCLUDING A COMBUSTION CHAMBER AND AN IMPULSE TURBINE DRIVEN BY EXHAUST GASES FROM THE CHAMBER
Michel Kadenacy, Summit, N. J.; Nina K. Guercken executrix of said Michel Kadenacy, deceased
Application May 17, 1945, Serial No. 594,327
4 Claims. (Cl. 60—32)



1. In a power plant comprising a combustion chamber in which successive charges of a combustible mixture are burned, the chamber having inlet and exhaust ports, and means for controlling the respective ports to cause each mass of burned gases within the chamber to be accelerated and leave the chamber at high velocity as a mass during explosive exhaust of the gases from the chamber, after which a fresh gaseous charge is admitted into the chamber, the combination of an exhaust gas conduit leading from the chamber and containing inert gases, the conduit providing a free passage therethrough for exhaust gas masses made up of burned gases and inert gases within the conduit which are accelerated by the burned gases during the period of acceleration of the latter, the exhaust gas masses accelerating, compressing, and displacing inert gases in their travel through the conduit, and an impulse turbine including a casing having an inlet connected to the end of the conduit and an outlet, and a turbine wheel within the casing provided with buckets and rotated by gases passing through the casing, the wheel lying substantially at the point reached by the acceleration front traveling through the gases in the conduit and inlet at the instant the burned gases cease reacting against the chamber walls and begin to leave the chamber as a mass in explosive exhaust, the inlet, the outlet, and the spaces between the buckets of the turbine wheel defining a free passage for exhaust gas masses.

2,583,431
MANUFACTURE OF GLASS TUBING AND CANE
Alfred H. Laidig and Henry K. Richardson, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 18, 1942, Serial No. 431,378
14 Claims. (Cl. 49—17.1)

4. Glass fabricating apparatus comprising an elongated support the axis of which is inclined, means to planetarily revolve said support about a vertical axis, means to simultaneously rotate it about its longitudinal axis in a direction opposite to that of said planetary revolution, means to simultaneously flow a stream of molten glass downward along said vertical axis onto the upper



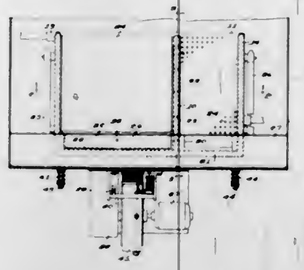
portion of said support, to cause glass to be deposited in a uniform layer about the periphery of the latter, means to control the viscosity of the glass as it flows toward the lower end of said support, and means to engage the glass as it passes from said support and fabricate it into finished ware.

2,583,432
FOUNTAIN PRESSURE SUPPLY CAR WASHER
Bernard Leverock, Lynbrook, N. Y.
Application May 19, 1949, Serial No. 94,069
2 Claims. (Cl. 15—130)



2. In a fountain pressure supply car washer, a hard rubber body portion open at its base and top ends, a pressure chamber within said body in communication with the top and base end openings, said base end of said body portion being substantially square with a marginal shoulder about such base end, an upper handle portion arched and tapering from said base end for gripping purposes, said pressure chamber being substantially square at its base and tapering at its upper portion, a base plate of hard rubber covering said base opening and having its outer edges cemented to said marginal shoulder of the base end, a group of spray holes centrally of such base plate, a series of holes larger than the spray holes and located about the border of the base plate, a sponge conforming to the dimensions of the base plate and cemented thereto, said sponge having a central open section in communication with the spray holes, and a shoulder about said top end opening of the body portion adapted to support hose connecting means, said sponge covering the whole of said base plate with the exception of the spray holes whereby water passing through said pressure chamber of the body portion is permitted to drip through the sponge from the larger plate holes and is permitted to be sprayed forth through the spray holes.

2,583,433
WATER-COOLED SHAKER GRATE DIVIDER
Raymond M. Losch, Summit Station, Pa.
Application June 1, 1950, Serial No. 165,385
1 Claim. (Cl. 122—371)



In a water cooled shaker grate, the combination which comprises a substantially hollow grate having spaced upper and lower plates connected at their edges with spaced tubular air circulation elements connecting the plates and distributed over the intermediate area thereof, means to conduct air to the lower ends of the air circulation elements, a hollow beam position on the top of said grate and extending from the front toward the rear of said grate and spaced from one end thereof, the said upper plate of the grate having circulating openings therein connecting the interior of the beam with the space within the grate surrounding said spaced air circulating elements, a horizontally disposed fuel feeding channel having openings therethrough for the passage of fuel to sections of the grate, means for excluding the fuel from one of the sections comprising a plate for covering some of said openings, a cover plate extended over a section of the grate to close the said tubular air carrying elements of the grate from which the fuel is excluded, and means supplying a cooling fluid to said space within the grate, and an outlet means for the egress of cooling fluid from said beam after cooling fluid has passed through the beam.

2,583,434
TIMING DEVICE
Sven Fredrik Erhard Meyer, Stockholm, Sweden, assignor to Svenska Lasmutter Aktiebolaget, Stockholm, Sweden, a corporation of Sweden
Application October 17, 1947, Serial No. 780,525
In Sweden December 9, 1946
7 Claims. (Cl. 200—33)



1. A delay switch comprising, in combination, an insulating enclosure having a constriction forming two chambers, said enclosure being filled with gas and mercury, the bottom wall of one chamber being offset upwardly, said offset being spaced from the constriction to facilitate rapid flow of mercury from one chamber to the other, said constriction preventing rapid flow from said other chamber to said one chamber, and a gas capillary extending through the mercury from one chamber to the other, said capillary determining the rate of flow of mercury from said other chamber to said one chamber.

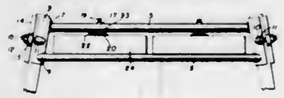
2,583,435
HIGH-TEMPERATURE GREASE
Arnold J. Morway, Rahway, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 23, 1949, Serial No. 100,969
7 Claims. (Cl. 252—40)

1. A process for the manufacture of a mixed base lubricating grease composition which comprises admixing with a mineral base lubricating oil from about 2 to 4% by weight of an unsaturated aliphatic monobasic acidogenic material having from 3 to 4 carbon atoms selected from the class consisting of acrylic acid, methacrylic acid, crotonic acid, and their nitriles, adding to said mixture from 1 to 3% of an alkali metal hydroxide in aqueous solution to convert said acidogenic material to the alkali metal salt, stirring the mixture until the said acidogenic material is substantially completely neutralized thereafter adding from about 10 to 20% by weight of a high molecular weight saturated fatty acid in admixture with additional mineral oil, raising the temperature of the resulting mixture to one within a range of from about 120° F. to 170° F., adding to the said heated mixture a mineral oil slurry containing about 1 to 3% by weight of an alkaline earth metal hydroxide to neutralize said high molecular weight saturated fatty acid, raising the temperature of the resulting mixture to one within a range of from about 350° F. to 450° F., thereby dehydrating said mixture, and cooling the resulting grease composition.

2,583,436
HEAVY-DUTY LUBRICATING GREASE
Arnold J. Morway, Rahway, N. J., and Earl W. Ball, New Rochelle, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 1, 1949, Serial No. 130,608
4 Claims. (Cl. 252—33.2)

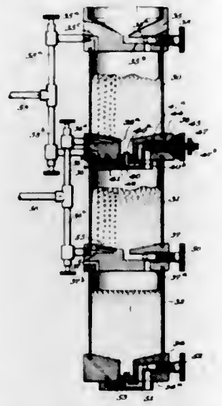
1. A lubricating grease composition consisting essentially of about 30 to 40% by weight of asphaltic residuum, of between 1000 and 5000 S. S. U. viscosity at 100° F., about 10% of lead soap as an extreme pressure additive, about 8 to 18% sodium soap of rapeseed oil, about 0.05 to 1% of an oil soluble petroleum sulfonate as a rust inhibitor, the remainder of the composition being mineral base lubricating oil of 35 to 300 S. S. U. viscosity at 210° F.

2,583,437
ADJUSTABLE SCAFFOLD
George R. Newlon, Jr., Point Pleasant, W. Va.
Application February 7, 1947, Serial No. 727,099
5 Claims. (Cl. 304—2)



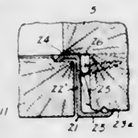
1. A device of the class described including a pair of opposing brackets for securement to opposing legs, a horizontally positioned upper cross bar secured to and between said brackets, a pair or horizontally positioned lower cross bars positioned below and parallel to the upper bar and secured to and between said brackets, said lower bars being offset on opposite sides of the vertical plane passing through the upper bar, a platform extending between the upper bar and lower bars, clamping means carried by the upper bar and bearing downwardly on the platform for holding the platform against the lower bars, and clamping means carried by said brackets for adjustably securing legs thereto.

2,583,438
METHOD AND APPARATUS FOR ELIMINATING IMPURITIES FROM METALS WHICH ARE IN A FLUID STATE
Henry W. Nieman and Chauncy W. Nieman, Bethlehem, Pa.
Application September 5, 1947, Serial No. 772,418
7 Claims. (Cl. 210—1)



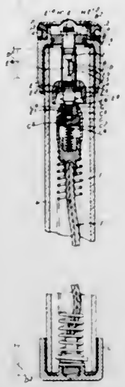
1. The method of removing surface impurities from a body of mercury free of internal contamination which comprises withdrawing mercury from said body in the form of a stream, passing the stream through a discharge port comprising a band formed essentially of gold and the exposed inner surface of which will be wetted by substantially pure mercury when brought into contact therewith, and interrupting such stream flow prior to the passage of the entire mercury body thereof through said band to maintain at said band a seal between the surface of the band and the mercury contacting the same and thus prevent the passage through said port of any impurities which may have been present upon the surface of the original body.

2,583,439
PANEL CLOSURE
Joseph H. Oswald, South Euclid, and Frederick G. Oswald, Cleveland, Ohio
Application July 20, 1946, Serial No. 685,262
10 Claims. (Cl. 20—55)



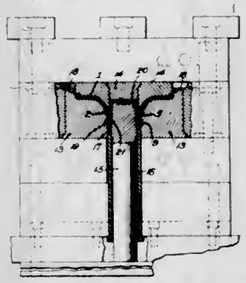
6. As an article of manufacture, a metal bar of approximately Z-shaped cross section comprising a longitudinally-extending web part, two longitudinal flanges extending in opposite directions from the respective longitudinal edges of the web and substantially at right angles to the web and a longitudinally-extending series of bendable lugs formed integrally with the web and extending transversely of the bar at an inclination to the web and toward one of the flanges.

2,583,440
ELECTRIC FUSES AND RELEASABLE CONNECTORS
Arthur Guy Herbert Oxley, Banbury, and Douglas Arthur James Oxley, near Banbury, England
Application April 27, 1948, Serial No. 23,506
In Great Britain August 1, 1947
4 Claims. (Cl. 287—119)



1. A releasable connector comprising two parts movable towards and away from one another in directions of insertion and withdrawal respectively, means for connecting said parts adapted to be released by movement of said parts beyond their normal position in the direction of insertion, a connector spring carried by one of said parts opposing such movement, and delay means comprising a liquid filled dashpot serving to delay the action of the connector spring and permit withdrawal if performed with sufficient rapidity.

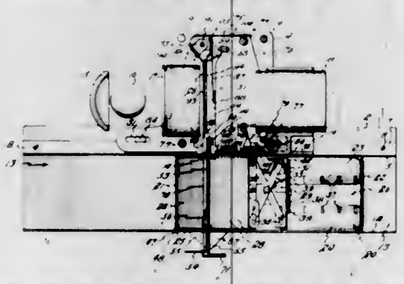
2,583,441
APPARATUS FOR MOLDING PLASTIC LAMP RECEPTACLES
Lewis E. Palmer, Washington, W. Va., assignor to Union Insulating Co., Inc., Parkersburg, W. Va., a corporation of West Virginia
Application July 29, 1949, Serial No. 107,564
2 Claims. (Cl. 18—16)



1. An apparatus for molding from phenolic resin or similar thermo-setting plastic material, a lamp receptacle having a continuous-walled tubular socket portion with an annular external groove to receive a shade holder, said apparatus comprising upper and lower molding assemblies relatively movable in a straight line movement and between which all parts of the receptacle are molded, one of said assemblies being provided with a die part having a mold cavity with annular under-cut recess in its wall and being also provided with a cylindrical core part projecting into the cavity in fixed relation therewith, said core part being reduced in diameter from a point

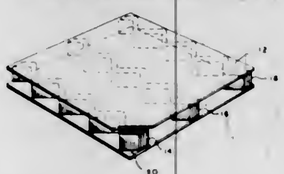
opposite said recess to the extremity of said core part, and means for ejecting the molded receptacle while it is hot and elastic from said assembly having the core part and the die part with the under-cut recess in its cavity after the two assemblies are separated, whereby the material in and opposite said under-cut recess will temporarily deform inwardly around the reduced portion of said core part during the ejection of the receptacle.

2,583,442
PICTURE VIEWER MECHANISM
Alexander C. Parlini, Freeport, N. Y., and Eugene Hascher, Irvington, and Heinz Recker, Ridgewood, N. J., assignors to Empire State Laboratories, New York, N. Y., a partnership
Application May 10, 1949, Serial No. 92,264
20 Claims. (Cl. 40—79)



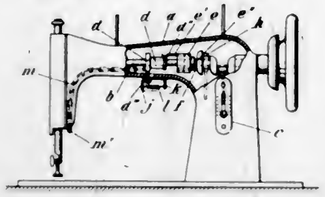
1. A picture viewer comprising a chamber adapted to contain a plurality of pictures, means in said chamber dividing the latter into a picture supply space and a picture storage space, a movable picture frame in a viewing position adjacent said supply and storage spaces, a movable slide for conveying pictures individually between said frame and said chamber, and means responsive to the movement of said slide for moving said frame between points communicating respectively with said supply and storage spaces to receive and discharge pictures.

2,583,443
PALLET FOR HANDLING MATERIALS
Walter M. Perry, Darien, and Fairfield S. Perry, New Canaan, Conn.
Application December 4, 1947, Serial No. 789,584
8 Claims. (Cl. 248—120)



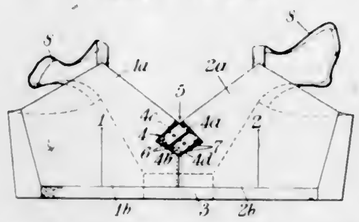
1. A pallet for handling materials, said pallet comprising a main board, and a plurality of thick zigzag spacers secured to the bottom thereof, each of said spacers being made of five or more laminations of corrugated paper board having a combined thickness of at least one inch and all bent in zigzag formation and standing side face to side face, and the overall width of each zigzag spacer being substantial relative to the size of the pallet, said zigzag spacers being unsheathed so that the open edges and the zigzag side faces of the corrugated board are exposed, the open edges being cemented directly to the main board.

2,583,444
STITCH REGULATOR OF SEWING MACHINES
Hermann Pudelko, Bielefeld, Germany, assignor to Duerkoppwerke Aktiengesellschaft, Bielefeld, Germany, a German company
Application May 8, 1950, Serial No. 160,646
In Germany May 7, 1949
3 Claims. (Cl. 112—210)



1. A sewing machine including in combination a stitch forming mechanism, a driving shaft, a reciprocating feed dog, an eccentric loose on said driving shaft, means connecting said eccentric with said feed dog, a first sleeve axially displaceable on said driving shaft, a second sleeve fixed to said driving shaft, a pair of driving pins displaced by 180° axially guided on said second sleeve, a pivoted lever, connecting means between said lever and said pins, a coupling between said pivoted lever and said first sleeve, and means to displace said first sleeve to couple one or other of said driving pins to said eccentric as said first sleeve is displaced axially on the driving shaft.

2,583,445
BRASSIÈRE
Olive Ada Sabin, London, England
Application March 14, 1949, Serial No. 81,269
In Great Britain March 19, 1948
6 Claims. (Cl. 2—42)

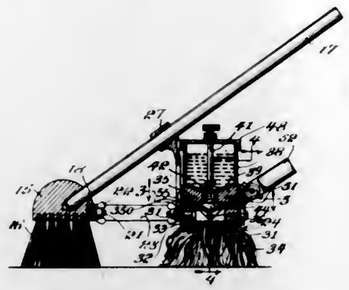


1. A brassière or like garment comprising a pair of bust supporting members operatively connected together at their inner ends; each member having shoulder strap means, each said member being cut out at the upper part of its inner end, said cut outs combining to form a gap having edges on one member opposed to edges on the other member, tension means spanning said gap and comprising superposed crossed elastic strips, the ends of each strip being secured to opposed edges of said gap and transmitting a component of the pull of each shoulder strap to the under bust zone of the other member.

2,583,446
FLOOR WAXING DEVICE
Charles M. Sinnard, Grand Island, Nebr.
Application June 8, 1948, Serial No. 31,648
1 Claim. (Cl. 91—39)

A floor polishing device comprising a casing having longitudinally extending upper and lower members, provided with central openings, a plate disposed within the casing between the

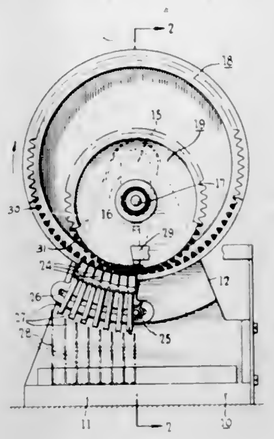
members, said plate having a trough extending through its longitudinal center which is provided with a series of small openings, a wax container having a neck portion receivable in the central opening of the upper member and adapted to contain wax which is to be dispensed through the opening in the upper member, a mop positioned below and in engagement with said lower member, means for securing the members and the plate to the casing, valve means carried by said container, means extending



through the container to operate said valve means from the top of the container exteriorly thereof, and said valve means coacting with the neck portion of said container to control the flow of wax from the container to the trough in the plate, a high portion in the bottom of the trough directly beneath the opening in the upper member for receiving the wax as it is dispensed through the opening whereby the wax will be caused to move laterally and downwardly toward the ends of the trough in the lower portion of the plate.

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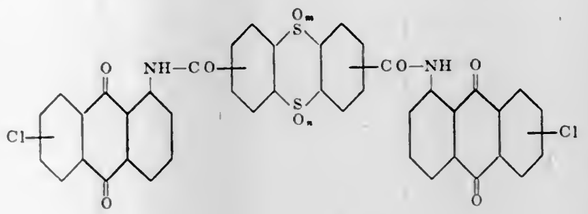
gears separate, they permit particles of different sizes to pass through said open spaces and be-



tween the ever-widening gaps into appropriate cells.

2,583,448
ACYLAMINOCHLORANTHRAQUINONE THIANTHRENE VAT DYESTUFFS
Paul Sutter, Binningen, and Walter Kern, Rutscheten, Switzerland, assignors to Ciba Limited, Basel, Switzerland
No Drawing. Application February 25, 1949, Serial No. 78,462. In Switzerland March 5, 1948
5 Claims. (Cl. 260—327)

1. A member selected from the group consisting of a vat dyestuff of the general formula



wherein the sum of $m+n$ is from 0 to 2 inclusive and the chlorine atoms are in one of the positions 6 and 7, and a mixture of different vat dyestuffs of the said formula wherein the average value of the sum of $m+n$ is 0 to 2 inclusive.

2,583,447
CLASSIFIER
John C. Straub, South Bend, Ind., assignor to American Wheelabrator & Equipment Corporation, Mishawaka, Ind., a corporation of Nebraska
Application August 3, 1946, Serial No. 688,254
4 Claims. (Cl. 209—98)

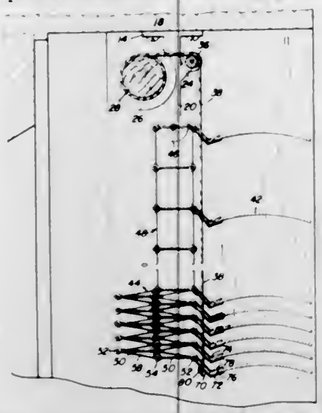
1. In a classifier for sorting different size particles, an internal gear having the roots of its teeth omitted to form tooth-shaped bars with open spaces between the teeth, a spur gear meshing said internal gear and having a hollow interior and having roots of its teeth omitted to form tooth-shaped bars with open spaces between the teeth, a feed spout within said hollow spur gear feeding material near the pitch point of the gears, a plurality of classifying cells under said internal gear, whereby, as the teeth of said

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2,583,449
VENETIAN BLIND
Myron S. Tarnoff, Omaha, Nebr.
Application March 9, 1950, Serial No. 148,546
8 Claims. (Cl. 160—170)

1. A Venetian blind comprising supporting brackets, a spring actuated roller rotatably journaled on said brackets, vertically collapsible and tiltable slats, a collapsible structure supporting said slats including a plurality of vertically spaced, parallel, transverse bars terminating in laterally extending end portions, rigid, vertically

extending links spacing said transverse bars and pivotally connected to the end portions thereof, means on alternate of said transverse bars securing slats thereto, a supporting member mounted on said brackets and tiltingly securing said collapsible structure thereto, means asso-



ciated with said roller and the lowermost of said transverse bars whereby the lowermost bar may be moved upwardly to effect the sequential collapsing of said rigid links and consequently decrease the spacing between said bars and slats thus collapsing the slats.

2,583,450

AMINO ALCOHOL ESTERS OF ALIPHATIC, ALICYCLIC CARBOXYLIC ACIDS

Charles H. Tilford, Silverton, and Marcus G. Van Campen, Jr., Wyoming, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware

No Drawing. Application March 22, 1948, Serial No. 16,395
5 Claims. (Cl. 260—468)

1. Compounds of the formula

$$RR_1COOR_2NR_3R_4$$

in which R is selected from the group consisting of cyclohexyl and cyclopentyl radicals and monoalkyl substituted cyclohexyl and cyclopentyl radicals with the proviso that the alkyl substituent has one to three carbon atoms, R_1 is an alkyl group having one to six carbon atoms linked to the ring structure at the 1-position, R_2 is selected from the group consisting of alkylene and hydroxy alkylene groups having not more than three carbon atoms and NR_3R_4 is a secondary amine radical having not more than six carbon atoms.

2,583,451

PRODUCTION OF DEXTROSE

Leo Wallerstein, New York, and Philip P. Gray, Forest Hills, N. Y., assignors to Wallerstein Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application April 12, 1948, Serial No. 20,601
4 Claims. (Cl. 195—11)

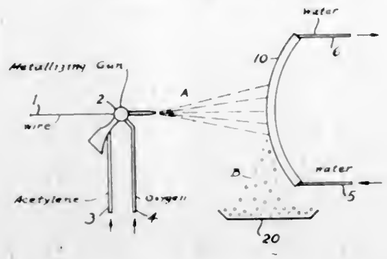
1. A method of making dextrose which comprises subjecting an aqueous suspension of raw starch to the action of microbiological enzyme material having amylolytic activity equivalent to at least 200 SKB units per 100 grams of starch, and starch-glucogenase activity equivalent to an initial reaction value "*k*" of at least 0.005 per 100 grams of starch to convert a substantial proportion of the starch to dextrose.

2,583,452

MANUFACTURE OF HOLLOW MAGNETITE BEAD CATALYST

Rhea N. Watts and William E. Spicer, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

Original application November 27, 1946, Serial No. 712,622. Divided and this application December 31, 1947, Serial No. 794,980
2 Claims. (Cl. 252—474)



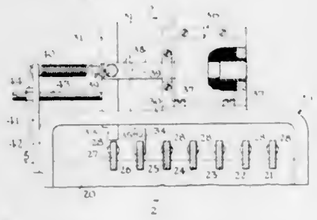
1. A process for the preparation of alkali metal salt-promoted hydrocarbon synthesis catalyst comprising hollow metal microspheres containing an oxide of metal selected from the group consisting of iron cobalt and nickel, which comprises heating a wire or rod of said relatively pure metal to a temperature of about 2000°–4000° F., causing a moving stream of said metal to impinge upon a convex baffle disposed in the path of said stream and in an oxidizing atmosphere and further maintained at a temperature of from about 100°–300° F., whereby the stream of molten metal is formed into hollow microspheres having a particle size predominantly within the range of from about 40 to about 120 microns, recovering said particles in solidified form, and thereafter adding an alkali metal salt promoter to said particles.

2,583,453

KNITTING MACHINE ATTACHMENT

Frank G. Weisbecker, Philadelphia, Pa.

Application April 19, 1950, Serial No. 156,811
5 Claims. (Cl. 66—129)



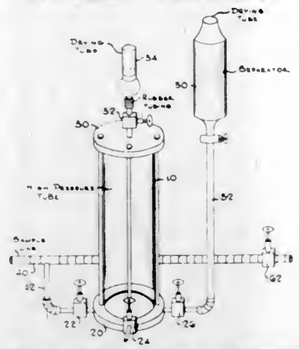
1. In a full fashioned knitting machine having a plurality of frictionally-driven reciprocable carrier rods, the combination of means for alternately locking at least one of said rods at one end of its travel during an even number of successive courses and releasing said one rod for at least one yarn-laying traverse thereof, said means including a carrier rod locking element movable into operative and inoperative positions, electrical means for moving said element, switch means controlling said electrical means, and pattern mechanism driven by the knitting machine for operating said switch means.

2,583,454

PRESSURE TITRATION

Herbert K. Wiese, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application July 12, 1946, Serial No. 683,051
3 Claims. (Cl. 23—230)



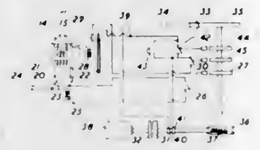
1. A method of titrating a liquefied normally gaseous material to quantitatively determine water contamination thereof consisting of the steps of feeding into the titration zone a measured quantity of a colored reagent which is rendered colorless when reacted with a sufficient quantity of water, sealing said zone, thereafter admitting a measured quantity of the normally gaseous material into said zone under superatmospheric pressure sufficient to maintain said material as a liquid in the titration zone and in just sufficient quantity to render said reagent colorless, whereby the quantity of water present in said gaseous material may be accurately known.

2,583,455

METHOD AND APPARATUS FOR WELDING ALUMINUM AND ITS ALLOYS

Lionel Bray Wilson, Prescot, England, assignor to Williams & Watson Limited, Liverpool, England, a British company

Application July 5, 1949, Serial No. 103,026
In Great Britain July 6, 1948
7 Claims. (Cl. 219—10)



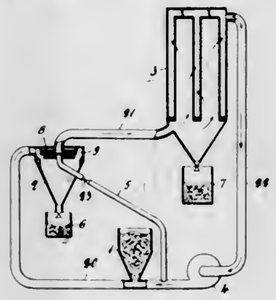
5. A method of resistance welding of aluminum and aluminum-containing components of relatively small cross-sectional area comprising the successive steps of (*a*) flashing the ends of the components in order to make the ends uniform, (*b*) bringing the ends of the components into intimate contact with one another under light pressure while maintaining the application of welding current, (*c*) maintaining the ends of the components in intimate contact with one another until the ends of the said components are raised to the melting point of the metal by virtue of the heat generated as a result of the resistance offered to the flow of welding current across the abutting surfaces, (*d*) continuing to maintain the ends of the components in intimate contact until the metal melts sufficiently to break the welding current circuit thereby indicating that welding temperature has been reached, and (*e*) immediately bringing the ends of the components together under heavy pressure, the welding current being off during the final consolidation of the joint.

2,583,456

APPARATUS IN THE PRODUCTION OF ALUMINUM AND OTHER POWDER WITH LEAF STRUCTURE OR NEEDLE FORM

Karl Gustaf Winquist, Stockholm, Sweden, assignor to Carlfors Aktiebolag, Huskvarna, Sweden, a joint-stock company of Sweden

Application February 27, 1947, Serial No. 731,272
In Sweden January 11, 1946
3 Claims. (Cl. 209—144)



1. An apparatus for sifting powder comprising in combination a centrifugal wind separator having a narrow sifting space formed between two parallel disks, an annular chamber surrounding said disks and forming a circular inlet to said sifting space, a tangential inlet to said annular chamber, a radial inlet to said annular chamber, said radial inlet being formed between one of said disks enclosing said sifting space and a third disk parallel thereto, said third disk being provided with a central aperture to which a conduit is connected for supplying a gas stream to said radial inlet, an adjustable valve in said conduit, pumping means for pumping a gas stream through said inlets into said chamber, means for introducing powder into said tangential inlet and mingling said powder into the gas flowing therethrough, an outlet for powder particles having a specific surface (surface area per unit of weight) less than a predetermined value and a weight greater than a predetermined value, said outlet being connected to the periphery of said annular chamber and directed downwardly therefrom, a further outlet for the gas stream with the rest of the powder suspended therein connected to a central aperture in the upper one of said disks, and a filter connected to said last mentioned outlet for separating the rest of the powder from said gas stream.

2,583,457

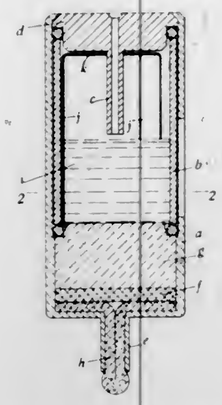
LUBRICATOR

Raymond Harcourt Woodall, Wembley, England, assignor to Rotax Limited, London, England

Application March 29, 1949, Serial No. 84,085
In Great Britain April 13, 1948
4 Claims. (Cl. 184—102)

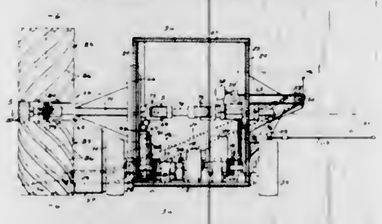
1. A lubricating device comprising in combination a lubricant receptacle having an outlet at one end, a rigid porous body arranged in the receptacle and spaced from the said end thereof, a wick extending through the outlet, and an absorbent pad of flexible material situated between the porous body and the said end of the re-

ceptacle and in contact with both the porous body and the wick so that lubricant fed by absorption



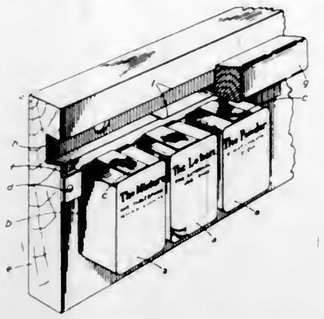
through the porous body is collected by the pad and supplied thereby to the wick.

2,583,458
MACHINE FOR MINING AND LOADING COAL
Lawrence L. Wylam, Welch, W. Va.
Application April 27, 1950, Serial No. 158,517
3 Claims. (Cl. 262—19)



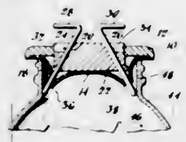
3. In a mining and loading machine, a frame, a hollow housing supported on said frame and including side and end walls, a bottom wall and a top wall, a pair of axles projecting through each side wall of said housing, a first pair of wheels connected to a pair of said axles, a second pair of wheels connected to the other pair of axles, a first electric motor arranged in said housing and supported on said bottom wall, means connecting said first motor to one pair of axles, a second motor arranged in said housing and supported on said bottom wall, means connecting said second motor to the other pair of axles, a conveyor arranged rearwardly of said housing and connected thereto, a third electric motor arranged in said housing and operatively connected to said conveyor, a scoop arranged along one side of said housing for directing material onto said conveyor, a cutting mechanism operatively connected to said housing, said cutting mechanism comprising a body member adjustably connected to a side wall of said housing, a drive shaft supported by said body member, a fourth electric motor arranged in said housing and operatively connected to said drive shaft, a straight shaft arranged at right angles with respect to said drive shaft, a driven shaft supported by said body member, means connecting said straight shaft to said drive and driven shafts, a pair of spaced cutting members mounted on said straight shaft and each provided with cutting teeth, and a circular cutter connected to the outer ends of said drive and driven shafts.

2,583,459
SHEET PACK HOLDER
Edwin Charles Herbert Wyles, Beeston, England, assignor to Boots Pure Drug Company Limited, Nottingham, England, a company of Great Britain
Application February 27, 1946, Serial No. 650,415
In Great Britain March 8, 1945
3 Claims. (Cl. 211—4)



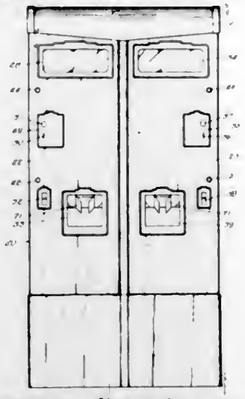
1. A holder for a sheet-pack having a stiff backing; said holder comprising a supporting board having a substantially horizontal groove formed in the front face thereof, a thin strip secured at both ends thereof to the board below said groove and parallel thereto but spaced slightly away from the surface of said board so that the backing of a pack can be hooked over said strip and said pack suspended from it, and a locking bar for retaining the pack in position, said locking bar being mounted in front of said groove and extending outwardly from the face of said board in closely spaced relation with the upper edge of said pack, and said locking bar having parts extending into said groove into interlocking relation with parts of said board to lock the bar against transverse movement while permitting sliding of said bar lengthwise of said groove to a position where said interlocking parts become disengaged.

2,583,460
CLOSURE MEMBER
Nathan Zepelovitch, New York, N. Y., assignor to Nahum A. Bernstein, New York, N. Y.
Application May 1, 1950, Serial No. 159,270
6 Claims. (Cl. 215—37)



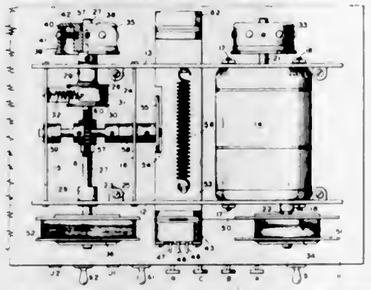
1. A closure member for a container having a body portion and a narrow neck portion, including, a supporting structure carrying a deformable sealing membrane, a pair of retaining arms guided by bores within said supporting structure and passing through and attached to said membrane, said retaining arms being manually displaceable internally of said container against the restoring action of said membrane, said bores guiding said retaining arms upon displacement thereof into closure-retaining position, said retaining arms being frictionally gripped within said bores in closure-retaining position and releasable from retaining position by manual depression of said supporting structure.

2,583,461
BEVERAGE DISPENSING MACHINE
Leslie Arnett, Chicago, Ill., assignor, by direct and mesne assignments, of one-half to Square Manufacturing Company and one-half to ABC Vending Corporation, New York, N. Y., a corporation of Delaware
Application August 28, 1946, Serial No. 693,428
4 Claims. (Cl. 225—21)



1. In a beverage dispensing machine having means for mixing syrup and water, a syrup container of the character described, including: an upper syrup chamber; a lower syrup chamber, said upper chamber having a volume several times greater than said lower chamber; a plate separating said chambers, said plate having a movable portion for providing access to said lower chamber, and having an opening therein comprising an inlet for supplying syrup to said lower chamber from said upper chamber; pipe means for providing communication of air between said chambers; and a valved outlet for drawing syrup from said lower chamber, said outlet having a capacity greater than the capacity of said inlet.

2,583,462
SOUND RECORDING AND REPRODUCING APPARATUS
Byron C. Booth, Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Application October 4, 1946, Serial No. 701,134
4 Claims. (Cl. 242—54)



1. In a reeling mechanism for a wire recorder, two shafts, means for rotating said shafts at different speeds, means for supporting a take up spool on one shaft to wind wire thereon from a supply spool, means for supporting the supply spool on the other shaft to rewind the wire thereto, means including a third shaft on which the supply and take up spools are supported during the winding and rewinding operations, respectively, and a level wind mechanism driven by said third shaft.

2,583,463
TOY COMPRESSED-AIR PISTOL
René Boulet, Paris, France
Application August 29, 1946, Serial No. 693,762
In France November 22, 1945
7 Claims. (Cl. 124—11)



1. In a toy pistol for projecting small spherical missiles through the operation of a compressed aeriform fluid, the combination of a projecting barrel, an elastic axially perforated throttling member associated with the inner rear end of said barrel, the perforation of said member being normally smaller than the diameter of the missile and adapted to open for allowing the passage of a missile urged against it by a sufficient fluid pressure, a loading chamber to the rear of said throttling member adapted to house a limited number of missiles and provided in its rear wall with a perforation registering with that in the throttling member and large enough to permit a missile to pass therethrough with slight clearance, a larger chamber on both sides of the throttling member surrounding laterally and rearwardly the first chamber, a receiver for loose missiles opening unrestrictedly to the rear of the first chamber into the part of the second chamber that is normally at the lower end of the latter, and hand operated means for feeding compressed aeriform fluid into said second chamber independently of the opening of the receiver into same.

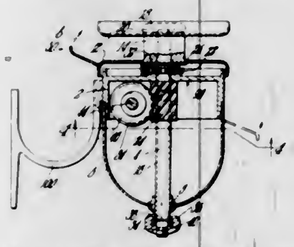
2,583,464
PROCESS OF MAKING A PHYSIOLOGICALLY-ACTIVE VITAMIN PREPARATION
Jörgen Brabaek, Copenhagen, Denmark, assignor to Aktieselskabet "Vølund," Copenhagen, Denmark, a Danish company
No Drawing. Application January 24, 1950, Serial No. 140,341. In Denmark November 16, 1942
9 Claims. (Cl. 167—81)

1. A process for producing a stable, physiologically active preparation from hydrated vegetables containing physiologically-active fat-soluble vitamins and pro-vitamins, which comprises heating said vegetables in the presence of moisture, comminuting the vegetables, intimately mixing the comminuted vegetables with a substance selected from the group consisting of edible oils and fats, and rapidly removing a substantial portion of the water contained in the mixture by exposing a layer of the mixture to a rapidly-moving current of air, whereby there is effected simultaneous removal of water from the cells of the comminuted vegetables and replacement of said water in said cells by the said substance.

2,583,465
FISH LINE REEL
George R. Brown, Springfield, Mass.
Application February 8, 1947, Serial No. 727,395
4 Claims. (Cl. 242—84.4)

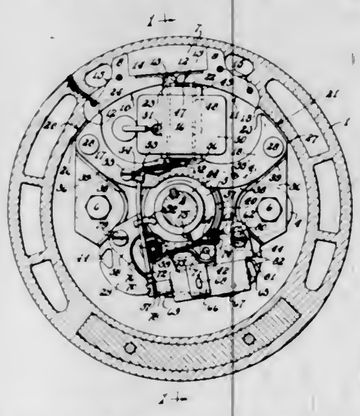
1. Fish line reel apparatus comprising in combination, a hollow housing including a lower

member closed at its lower end and an upper head member closing the upper end thereof, a central tube extending through and rotatable in said closure, a central drive shaft extending through and relatively slidable in said tube, means holding said tube and shaft against relative rotation, a line drum carried by said shaft above said head, a drum driving member fixed to said tube, a yieldable friction washer between said drum and driving member, screw means on the lower end of said shaft acting on the lower end of said tube to urge the drum against said washer which acts as a drag driving connection between



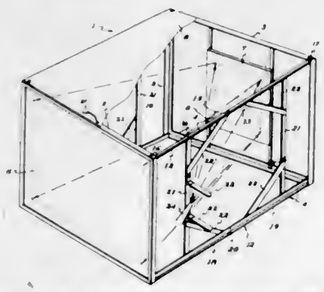
said drum and tube, a crank shaft extending from said closure and being rotatable and reciprocable relative thereto, gears on and connecting said crank shaft with said tube disposed within said closure, a line guide swingable relative to said closure between non-guiding and guiding positions, means urging said guide from non-guiding to guiding position, means releasably holding said guide in non-guiding position, and engageable connections carried by said holding means and crank shaft operable by reciprocation of said crank shaft in one direction to release said holding means.

2,583,466
FLYWHEEL MAGNETO
Allen L. Brownlee, West Springfield, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application June 10, 1950, Serial No. 167,309
15 Claims. (Cl. 171—209)



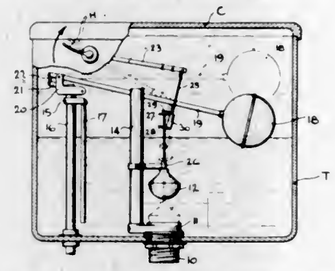
1. A flywheel magneto, comprising, a flywheel, a single pair of pole shoes fixed to the flywheel and angularly spaced about the axis of revolution thereof, said shoes having curved polar faces of equal radius coaxial with the flywheel, the adjacent edges of the faces of the two shoes being separated by a small acute angle, the leading and trailing edges of the face of each shoe being separated by an acute angle several times larger than the first-named angle, a source of magnetic flux magnetically interconnecting said shoes, an armature of magnetic material stationarily mounted inside the flywheel and having three legs which are magnetically connected together at their inner ends and diverge outwardly, said legs having on their outer ends curved faces of a radius slightly less than the radius of said pole shoe faces and coaxial therewith, the faces on said legs being angularly spaced about said axis to cooperate with the shoes during rotation of the flywheel, the angular spacing of the front and rear edges of the curved face on the central leg of the armature being substantially commensurate with the angular spacing between the adjacent edges of the two pole shoes, the curved faces on said legs being separated by an angle substantially commensurate with that between the leading and trailing edges of a pole shoe, primary and secondary coils on the central leg of the armature, said shoes being operable on rotation of the flywheel to bridge the polar ends of the source of flux through the central coil-carrying leg first through a first one of the outer legs and then through a second one of the outer legs, whereby a magnetic circuit is created through the coils first in one and then in the other direction, an electrical circuit including said primary coil, and means actuated with the rotation of the flywheel for closing said circuit once during each revolution of the flywheel and before the leading edge of the leading pole shoe approaches closer than five degrees to the front edge of the curved face on said central leg and maintaining such circuit closed until the leading edge of the leading pole shoe connects with the front part of the curved face on the second outer leg and its trailing edge is spaced from the rear edge of the central leg by about three degrees, and the leading edge of the trailing pole shoe connects with the front part of the curved face on the central leg and the trailing edge of the trailing shoe is spaced from the rear edge of the curved face on the first outer leg by about three degrees, and then opening said circuit.

2,583,467
COMBINED SCREEN AND CABINET FOR PICTURE PROJECTION APPARATUS
Joseph Burleigh and Joseph Cashman, Franklin, N. H.
Application August 18, 1948, Serial No. 44,868
1 Claim. (Cl. 88—24)



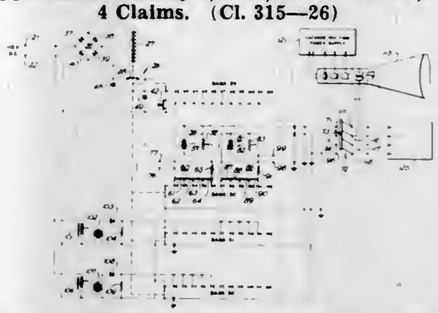
A projection apparatus comprising a foldable frame rectangular in vertical cross section and presenting a front screen-carrying frame member, a rear mirror-carrying frame member, and two articulated inwardly folding side frame members forming the two opposed vertical sides of the frame, said front and rear frame members having substantially the same size and each side frame member being permanently and pivotally connected to both the front and rear frame members, a translucent screen carried by the front screen-carrying frame member, a mirror rigidly carried by the rear mirror-carrying frame member and having its reflecting face in a plane parallel to the plane of said rear frame member, a cover element of flexible substantially opaque material secured to the top of the front frame member and located exterior to the frame and of a length to extend from the top of the front frame member over the top of the frame when the latter is extended and to cover the rear frame member, and a separate cover element on the exterior of each side frame member, each separate cover element completely covering its side frame member and being permanently secured at its vertical edges to the front and rear frame members and at its top and bottom edges to the top and bottom of the corresponding side frame member, one of the side frame members being longer than the other and the cover element for said longer side frame member having a hooded opening through which a picture can be projected on to the mirror, said longer side frame member maintaining the rear frame member and the mirror carried thereby at the proper angle relative to the front screen-carrying frame member so that the image projected on to the mirror through said hooded opening will be reflected on to the back of the screen, said frame being foldable into a compact carrying package with the front and rear frame members closely adjacent each other by folding the two side members inwardly, said cover element for the top of the frame being of a length to wrap completely about and enclose the frame when the latter is folded.

2,583,468
VALVE CONTROL MEANS FOR FLUSH TANKS FOR TOILETS
James Castellano, New York, N. Y.
Application January 13, 1950, Serial No. 138,336
2 Claims. (Cl. 4—67)



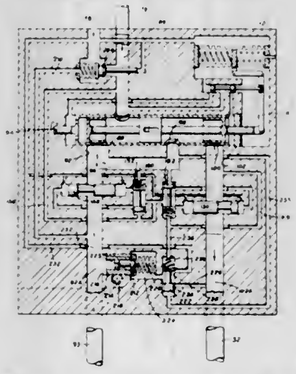
1. In combination with a flush tank having a flush outlet and a buoyant valve for said outlet, a control unit for said buoyant valve, said unit including a stem for said valve mounted in a guide bracket for vertical reciprocation solely in the direction of length of the valve axis, a manually operative pivotally mounted arm and a rigid link member articulated with the arm, said stem extending through a lateral ring formed at the lower end of the link member and being slidable therein, said valve stem being provided with a substantially flat enlarged head at the upper end thereof to assemble said stem with said link member, a lateral projection provided on said link member above the lateral ring, said projection being spaced from said ring and in alinement therewith, said projection being adapted to strike the stem head and to prematurely seat the valve during a flushing operation, when said link member is forced downwardly.

2,583,469
CALIBRATION UNIT FOR CATHODE-RAY TUBES
Melvin E. Chun, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application January 5, 1951, Serial No. 204,619
4 Claims. (Cl. 315—26)



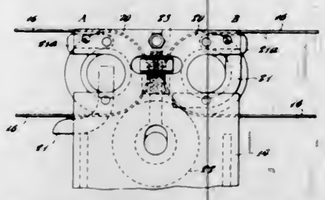
1. In a calibrating device for a cathode ray tube having an electron gun, a pair of horizontal deflecting plates, a pair of vertical deflecting plates, and a viewing screen, the combination comprising means connected to said electron gun for projecting an electron stream therefrom, means connected to said horizontal deflecting plates for impressing a series of successively increasing pulses of voltage, means connected to said vertical plates for impressing a series of equal pulses of voltage having a repetition rate equal to that of said series of increasing pulses of voltage, and means connected to the aforementioned means for interchanging said latter two connections.

2,583,470
FUEL CONTROL FOR EXHAUST TURBINE POWER PLANTS HAVING INTERNAL-COMBUSTION GAS GENERATORS
Richard J. Coar, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application February 6, 1945, Serial No. 576,490
6 Claims. (Cl. 60—39.28)



6. Fuel flow controlling means for a power plant including a number of internal combustion gas generators, and a burner through which gas from the generators passes and in which additional fuel is burned, said fuel flow controlling means including a conduit supplying fuel to the generators, and another conduit supplying fuel to the burner, and means responsive to an increase in pressure in said first conduit resulting from non-operation of at least one of the generators for delivering a part of the fuel from said first conduit to said second conduit.

2,583,471
CONVEYER DRIVE
Leslie Alfred Collis, Radlett, England, assignor to J. Collis & Sons Limited, London, England, a British company
Application December 15, 1948, Serial No. 65,372
In Great Britain December 19, 1947
4 Claims. (Cl. 198—203)



2. A support for adjoining ends of belt conveyor units, each unit comprising an end roller with the belt passing over said roller, said support having juxtaposed cradles receiving the end roller of each conveyor unit, said support having a friction driving roller thereon arranged to frictionally engage the belt of each conveyor unit to drive same, each cradle being open to the side of said support so that each conveyor unit may be inserted endwise thereinto, means for supporting said conveyor units against lengthwise movement in said cradles and means for ensuring a driving contact between the friction driving roller and the belt.

2,583,472
WOMAN'S LINGERIE
Lenore B. Cooley, New York, N. Y.; The First National Bank of Santa Fe, Santa Fe, N. Mex., executor of said Lenore B. Cooley, deceased
Application December 2, 1946, Serial No. 713,481
4 Claims. (Cl. 2—78)

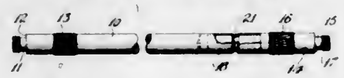


4. An uplift slip one-piece lingerie for women comprising an upper bust uplift part and a lower skirt part, the latter increasing in width from the waistline to the bottom edge with the extreme lower portion thereof beginning at a point approximately halfway between the crotch and the knees of the wearer formed into a double slip having a central garment crotch disposed at a distance approximately one-half the distance between the crotch and the knees of the wearer and the side halves of the lower part being accentuated in width from the hips to the bottom edge to provide the fullness at the sides, together with the low garment crotch line required for complete freedom of body movement without pull upon the bust uplift part, said double slip having side portions with the inner edges thereof formed in two concave curves the upper portions of which extend to the garment crotch line and the lower portions of which extend from the crotch line to the bottom edge and with the front and back of each side portion sewn together along the lower portions of the concave curved edges and the fronts and backs of the side portions sewn respectively together along the upper portions of the concave edges, with the side portions closing inwardly upon and concealing the crotch line and the division between the double slip portions with either of the latter being usable in the conventional manner without removing or unfastening the garment.

2,583,473
ALUMINUM-MAGNESIUM ALLOYS
Hugh S. Cooper, Cleveland Heights, Ohio, assignor to Acme Aluminum Alloys, Inc., Dayton, Ohio, a corporation of Ohio
No Drawing. Application July 31, 1947, Serial No. 765,252
6 Claims. (Cl. 75—147)

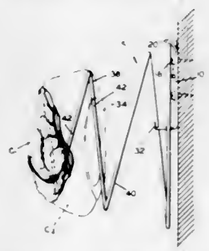
1. A casting alloy consisting of magnesium 4% to 6%, manganese and titanium each .10% to .35%, balance aluminum.

2,583,474
TOY CONSTRUCTION ROD
John A. Cozzone, Newark, N. J.
Application September 18, 1948, Serial No. 49,899
2 Claims. (Cl. 46—28)



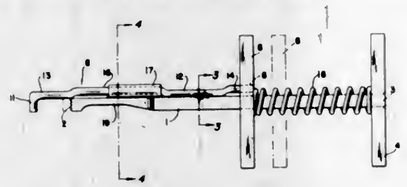
1. In a construction unit, a rod member having a threaded end for connection to a complementarily threaded member, and an opposite axially recessed end, a pin having a shank portion positioned in said recessed end, said shank portion having a circumferential recess, said recessed end of the rod having a circumferentially inwardly directed portion registering with the circumferential recess of the pin to rotatably secure the same therein against axial displacement therefrom, a terminal stem on the pin, and means on the stem to engage a complementary member to secure the rod thereto.

2,583,475
SUPPORT FOR DRYING KITCHEN BOWL COVERS
George Wells Crandall, Elmira, N. Y.
Application October 24, 1949, Serial No. 123,294
1 Claim. (Cl. 248—204)



A wall support for drying kitchen bowl covers and the like comprising a flat base plate having means thereon for attaching the same in a vertical position upon a vertical wall and a conically-shaped coil spring mounted on said base plate and extending outwardly therefrom in a direction normal to the plane of said plate, said coil-spring having a series of convolutions which progressively decrease in diameter toward, and terminate in, a free outer end which is located at the apex of the cone defined by said spring and an obliquely bent inner end extending inwardly towards the center of the base of the cone defined by said spring, said base plate having an outwardly turned edge to grip and secure the bent inner end of said spring and a second outwardly turned edge to grip and secure the portion of said spring adjacent its bent inner end, said base plate having a latching portion extending outwardly therefrom at the center of the base of the cone defined by said spring, the free outer end of said spring being bent to form a cooperating latching portion whereby said spring may be retained in a completely flattened condition against said base plate.

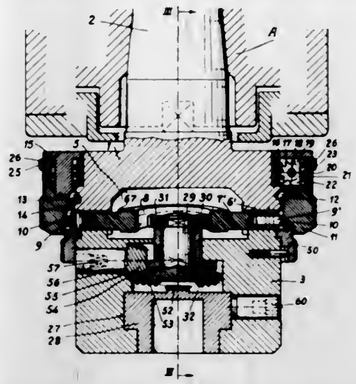
2,583,476
RETRIEVING TOOL
Russell E. Davidson, Brady Lake, Ohio
Application August 9, 1949, Serial No. 109,361
2 Claims. (Cl. 294—103)



1. A gripping and manipulating tool comprising a shank with a transverse handle at one end and a fixed jaw at the other end, a sleeve carried on the outer surface of said shank near the end thereof having the fixed jaw, a second handle slidably carried by the said shank in surrounding relation thereto but held against rotation with respect thereto, a rod member slidably received in said sleeve and attached to said second handle, and having a jaw in cooperating relation to said fixed jaw, said rod member being stepped to contact the said shank beyond the ends of the said sleeve and thus provide limits to sliding motion of the rod member, as well as provide a moment arm to reduce twist in said rod, and spring means surrounding the said shank and contacting both said handles to urge the said jaws apart.

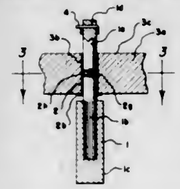
2,583,477
ROTARY TOOL CARRIER FOR CUTTING TOOLS
Jacques Dürler, Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland
Application July 27, 1949, Serial No. 107,122
In Switzerland August 11, 1948
3 Claims. (Cl. 82—1)

1. In a rotary tool-carrier for cutting tool, with automatic radial advance of the latter, comprising a body intended to be fixed to the rotary spindle of a machine tool, a main ring capable of turning on this body and a radially movable slider carrying the cutting tool and provided with a rack; a driving member for this slider provided with a disc shaped head one face of which, facing said rack, is conical and is provided with a spiral shaped groove engaging with said rack, the axis of said driving member being inclined with respect to the axis of the tool-carrier from such an angle that a generating line of said cone is parallel to said rack, and a connecting device between said main ring and said driving member, the whole



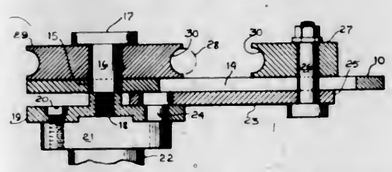
in such a way that the rotation of said driving member produces the displacements of said slider.

2,583,478
STRING HOLDING KEY FOR MUSICAL INSTRUMENTS
George A. Finder, San Diego, Calif.
Application April 10, 1950, Serial No. 155,031
8 Claims. (Cl. 84—305)



1. In a key for stringed musical instruments, a shaft, a bushing surrounding said shaft, a musical instrument neck head portion having an opening in which said bushing is tightly fitted, said bushing of resilient character engaging said opening in said neck head at one end and having an inwardly directed angular bead portion resiliently engaging said shaft.

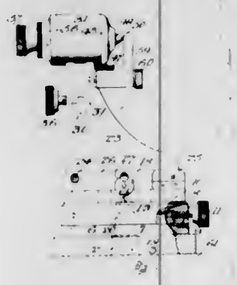
2,583,479
AUTOMATIC CLAMP FOR PIPE BENDING MACHINES
Andrew Froedge, Chicago, Ill.
Application September 9, 1950, Serial No. 183,952
1 Claim. (Cl. 153—40)



An automatic clamp for a pipe-bending machine comprising a shaft, a coaxially extending stud formed on said shaft at one end thereof, a plate having at one end portion an opening through which said stud projects, said plate having an elongated slot formed therein at one side of said opening with its long axis extending laterally of the long axis of said opening, a forming wheel carried by said stud in flat par-

allel relation to one surface of the plate and above the end of the shaft from which the stud projects, a clamp member mounted on the top side of the plate for movement relative to the forming wheel and adapted to cooperate with the forming wheel to hold a pipe to be bent, a link beneath and in flat parallel relation to the bottom surface of the plate and having one end portion connected eccentrically to the shaft, a bolt extending upwardly through the slot and connecting the clamp member to the opposite end of the link, in combination with a stationary plate over which said first-named plate is adapted to be moved in parallel relation with respect thereto, and a releasable connection between the stationary plate and the first-named plate to delay movement of the first-named plate until the clamp member is in clamping engagement with a pipe to be bent.

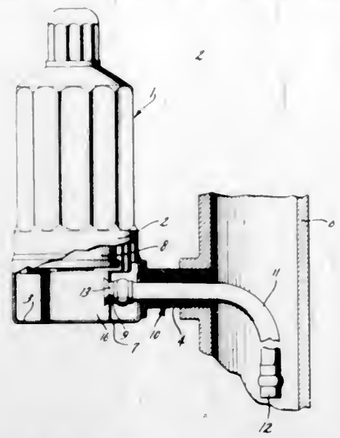
2,583,480
RADIUS AND ANGLE DRESSER
Alfonse T. Giglia, Bronx, N. Y.
Application May 15, 1948, Serial No. 27,335
7 Claims. (Cl. 125—11)



1. A tool comprising a base, a circular element affixed thereon having horizontal and vertical surfaces, a second circular element rotatably mounted on said first named element, a block mounted on said rotatable element, means releasably connecting the elements and block to the base and to one another, a vertical support mounted on said block, a micrometer head carried by said vertical support and a dressing element, mounted in said head, the circular rotatable element being provided with depending portions, the circular element on the base being provided with annular grooves on its upper horizontal and vertical surfaces the groove on its said horizontal surface being of varying depth in one direction and of constant depth in the opposite direction starting from the groove center, said depending portion and said horizontal and vertical surfaces being in substantially airtight contact.

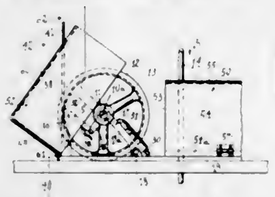
2,583,481
VENT VALVE STRUCTURE
Alonzo C. Goodrich, Winnetka, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application January 19, 1946, Serial No. 642,143
2 Claims. (Cl. 137—122)

1. In a vent valve, a drain comprising a flexible non-metallic tube, an insert having a flared end rotatably mounted in the valve, the other end of said insert being attached to said flexible tube, a weight insert attached to the other and free end of the flexible tube as a weight thereon to



hold said flexible tube in a downward position for exhausting the water in the said valve.

2,583,482
BOBBIN WINDER PROTECTOR FOR SEWING MACHINES
George Greenberg, Brooklyn, N. Y.
Application April 2, 1948, Serial No. 18,517
5 Claims. (Cl. 242—22)

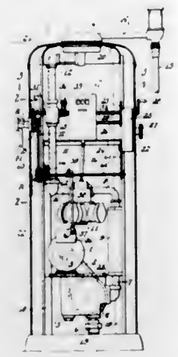


1. In a bobbin winder, a shaft adapted to removably receive a bobbin at one end thereof, means to rotate said shaft with the bobbin thereon and wind a thread on the bobbin, and means actuated when a predetermined thickness of the thread windings on the bobbin is reached to stop said first means, thereby terminating the winding of the thread, a tiltable cover for said shaft and bobbin, and a member also activated by said second mentioned means, adapted to tilt and so open said cover and expose the bobbin when said predetermined thickness of the thread windings thereon is reached.

2,583,483
PUMP CONTROL MECHANISM FOR LIQUID DISPENSING APPARATUS OF THE PREDETERMINER TYPE
Alfred L. Grisé, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application June 3, 1950, Serial No. 165,943
4 Claims. (Cl. 222—20)

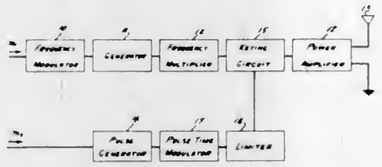
1. In liquid dispensing apparatus, of the type wherein a pump driven by an electric motor, which is controlled by a switch, forces liquid through a conduit, having a meter and a manually-openable valve interposed therein, and means controlled by the meter closes said valve after a predetermined quantity of liquid has been

delivered; a control shaft connected to said switch to actuate the same, spring means tending to turn the shaft in a direction to open said switch, a one-tooth ratchet fixed to said shaft, a lever fulcrumed on said shaft, a pawl pivoted on the lever and engaged with the tooth of the ratchet, manually-operable means for swinging said lever from one position to and holding it in a second position, whereby to turn said shaft through said pawl and ratchet in a direction to close said switch and hold the same closed against the force of said spring means, and a member movable with



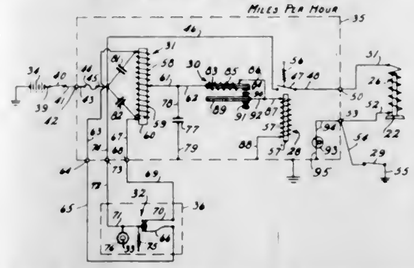
the opening and closing of the valve and operable on closing of the valve to move said pawl out of engagement with the tooth of the ratchet and allow said spring means to turn said shaft and open said switch, said lever being movable by said manually-operable means from the second to the first position to reengage the pawl with the tooth of the ratchet after the latter has been released by said member and moved to open said switch and also to open said switch independently of and prior to the valve-closing operation of said member when desired.

2,583,484
COMBINED ANGULAR VELOCITY AND PULSE MODULATION SYSTEM
Gustav Guanella, Zurich, and Paul Guttinger, Wettingen, Switzerland, assignors to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application November 22, 1946, Serial No. 711,537
In Switzerland December 15, 1945
7 Claims. (Cl. 179—15)



1. A duplex signaling system comprising means for producing a substantially constant amplitude carrier oscillation being angular velocity modulated in accordance with a first modulating signal, means for converting a second modulating signal into constant amplitude signal pulses being time modulated according to said second modulating signal, and further means for additionally amplitude modulating said carrier oscillation between finite upper and lower amplitudes by said signal pulses.

2,583,485
CONTROL MECHANISM FOR BRAKE HOLDERS
Kenneth A. Harmon, Longmeadow, and Glen A. Guernsey, West Springfield, Mass., assignors to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application February 2, 1951, Serial No. 209,122
11 Claims. (Cl. 192—3)

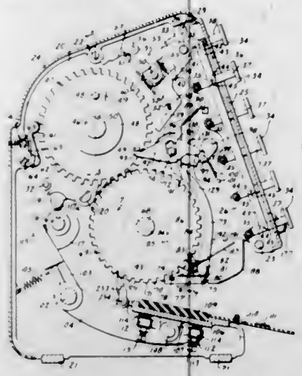


1. Brake control means for wheeled vehicles, comprising, a brake holder, electrical means for actuating the brake holder, a first circuit for energizing said means, electromagnetically operable means including a magnet coil operable when sufficiently energized to close the first circuit, a second circuit for energizing the magnet coil and adapted for connection to a source of electricity, a heating coil and a voltage-varying means included in series with said magnet coil in the second circuit, said voltage-varying means adapted to be driven from the propeller shaft of the vehicle and varying the voltage applied from said source to said coils inversely with propeller-shaft speed from a maximum effective value at zero speed to a minimum effective value at a speed corresponding to a low vehicle speed of a few miles per hour and to lesser and ineffective values at speeds above the last-named speed, the combined resistance of said coils being such that the current flow in the second circuit even when the applied voltage is at its maximum effective value is not great enough to energize the magnet coil sufficiently to close the first circuit, a normally open thermal switch actuated to closed position by the heat from the heating coil, a circuit for shunting the heating coil out of the second circuit and closed and opened by said thermal switch, the shunting of the heating coil out of the second circuit reducing the resistance thereof sufficiently so that enough current will flow through the magnet coil to close the first circuit when applied voltage is at or above a predetermined value between said maximum and minimum values, the subsequent opening of the thermal switch by cooling of the heating coil increasing the resistance of the second circuit but not enough to cause opening of the first circuit unless the applied voltage falls to another effective value below said predetermined value, and a release switch adapted to be actuated when the vehicle is accelerated for opening the first circuit.

2,583,486
LAUNDRY LISTING MACHINE
William John Keuper, Cincinnati, Ohio, assignor to The National Marking Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application June 17, 1946, Serial No. 677,189
48 Claims. (Cl. 101—95)

1. A laundry listing machine comprising the combination of a plurality of type wheels, one for each of a plurality of classes of articles to be laundered; means for rotatably advancing

said wheels step-by-step from a normal non-printing position; a plurality of printing members normally in printing position, each printing member corresponding to one of the type wheels and bearing type for printing a designation indicating the class of article corresponding to



said type wheel; printing mechanism for taking an imprint upon a blank from the type of said type wheels and printing members at printing position; and automatic means for moving away from printing position the printing members corresponding to type wheels in normal non-printing position.

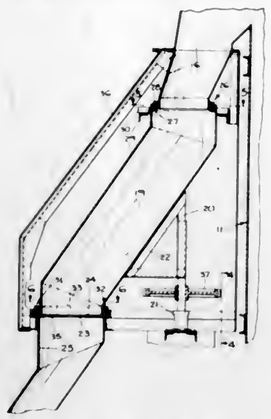
2,583,487
SPRING
Ernst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application January 16, 1947, Serial No. 722,398
3 Claims. (Cl. 267—63)



1. A device for use in a car coupler comprising a plurality of tubular, supporting and restraining, metal cases and a body having a plurality of solid, resilient, non-metallic portions projecting from one side thereof and disposed in said cases, said portions being deformable laterally and longitudinally under compressive forces applied longitudinally thereof, said cases being spaced laterally from parts of said portions therein and serving to limit the extent of lateral deformation of said portions.

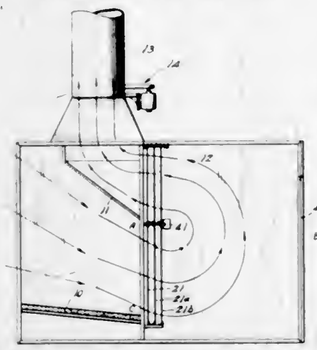
2,583,488
MATERIAL ELEVATOR ASSEMBLY WITH DUSTTIGHT SWINGABLE CHUTE
Franklin J. Le Roy, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application September 30, 1948, Serial No. 51,874
7 Claims. (Cl. 193—23)

1. Distribution mechanism for an elevator including an inclined distribution chute having a feed opening and a discharge opening, means mounting said distribution chute for swinging movement on an upright axis passing through said feed opening, said distribution chute discharge opening thereby being adjustable to various positions all radially positioned from said upright axis, means including a plate providing a plurality of horizontally spaced receiving openings adapted selectively to have communication with the discharge opening of said inclined distribution chute, labyrinth type seal means providing a seal between the bottom of said inclined distribution chute and the selected receiving opening, said labyrinth seal means including said arcuate plate having spaced openings, inner and outer arcuate labyrinth seal means having cen-



ters at said upright axis, said labyrinth seals including radially spaced arcuate troughs constructed to hold fluid like sealing means, and flexible wiping strips adjacent substantially opposite radial sides of said inclined distribution chute and connected thereto and having wiping engagement with said horizontal plate.

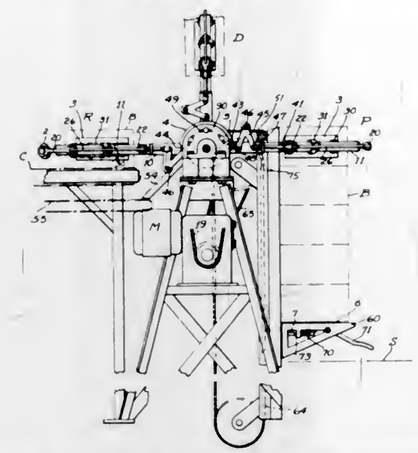
2,583,489
SPRAY BOOTH
Alva H. Meyer, Arlington Heights, Ill., assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill., a corporation of Illinois
Application October 9, 1946, Serial No. 702,114
3 Claims. (Cl. 183—58)



1. A spray booth for coating articles comprising a casing, a spray coating chamber in the front of the casing for receiving an article to be sprayed and coated, a collecting and recovery chamber in the casing in the rear of the coating chamber, a fan to produce a suction air current through said chambers, a screen unit suspended between and separating the two chambers, said screen unit comprising two or more vertical sheets of expanded metal spaced apart and with laterally staggered openings and ribs, struts at the top and at the bottom of said sheets and midway between secured thereto and holding said sheets properly positioned in said unit, the said unit being suspended from the upper struts

in floating engagement with the casing, and a vibrator engaging the medial struts of the unit to vibrate said sheets to dislodge material settling thereon from the said air current and to drop it in the said collecting and recovery chamber in dry condition.

2,583,490
BOX DUMPING MACHINE
Don S. Orlando, near Cupertino, Calif.
Application May 19, 1947, Serial No. 748,996
7 Claims. (Cl. 214—1.1)



1. Box-dumping mechanism comprising two axially spaced supports rotative conjointly, a box-gripping element carried by each support, outwardly of its rotative axis, facing and coacting with the like element on the axially-spaced support and mounted for movement towards and from the same, and formed for engagement with a box along a line across the end wall of such a box while it is disposed alongside the rotative axis, further box-gripping elements carried by each support, in position to engage the opposite side walls of such a box so disposed, adjacent the box's corners, means to present individual boxes at a pickup station, in position to be so engaged, means to rotate the supports to present the several coacting box-gripping elements at the pick-up station as such a box arrives there, and means controlling the several coacting box-gripping elements so to engage such box at the pick-up station substantially simultaneously, to retain it relatively immovable, though rotative bodily with the supports, as it is carried and tilted through a dumping station, and to release the box at a releasing station beyond the dumping station.

2,583,491
PLUMB BOB DEVICE
Joseph Francis Orlando, Washington, D. C.
Application February 27, 1948, Serial No. 11,363
3 Claims. (Cl. 33—216)

1. A plumb bob comprising a tapered body having an axial bore for the reception of a dry cell battery, an end closure for the bore threaded on the upper end of the body, an axially disposed line anchoring screw switch threaded through said end closure and adapted to engage the terminal end of a battery disposed in said bore, said line anchoring screw switch being formed with an exposed knurled head and having an axial bore for the passage of the end of a plumb line therethrough and a socket in the inner end thereof for seating an anchoring knot on the end of the plumb line, said body having a lamp socket

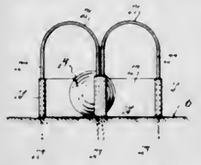


at the other end of said bore, and a removable tip on the other end of the body chambered to accommodate a lamp disposed in said socket and having an axial bore from said chamber opening through the tip end.

2,583,492
AQUEOUS SOLUTIONS CONTAINING SOAPLESS DETERGENTS
Frederick J. Pollok, Largs, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 15, 1950, Serial No. 149,904. In Great Britain May 27, 1949
1 Claim. (Cl. 252—161)

Detergent compositions of improved dispersing power and stability consisting essentially of an aqueous solution of an anionic surface active soapless detergent in a quantity not above 8% of the weight of the composition and not over 4% of a "crude water-soluble alkali metal carboxymethyl cellulose," said carboxymethyl cellulose having between 0.7 and 0.8 carboxymethyl groups per anhydro glucose unit of cellulose.

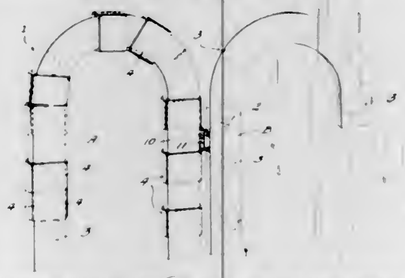
2,583,493
GAME WICKET DEVICE
James M. Prentice, South Hadley, and James Robert Umbach, Longmeadow, Mass., assignors to The Electric Game Company, Holyoke, Mass., a corporation of Massachusetts
Application May 4, 1950, Serial No. 160,011
2 Claims. (Cl. 273—56)



2. A playing device for a game apparatus of the ball and mallet type comprising in combination, a wall member having a semi-circular vertical side wall and arms receiving pockets at opposite extremities thereof, a pair of U-shaped wicket members each having a pair of side arms, and a coupling member gripping together in adjacency a side arm of one of said wicket members with the adjacent side arm of the other of said wicket members, the outermost side arms of each of said wicket members being insertable

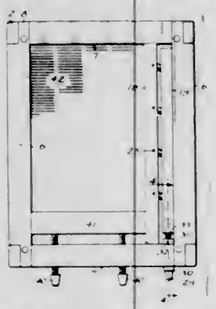
through the arms receiving pockets of said wall member, all adapted and arranged whereby said wicket members are vertically disposed relative to a playing surface to provide a pair of openings through which balls of the game may be passed into an area bounded by said wall member and said wicket members, the side arms of said wicket members having free downwardly depending pointed ends for insertion into the ground as the side arms are projected downwardly through the arms receiving pockets of said wall member and below the plane thereof.

2,583,494
EDUCATIONAL DEVICE EMBODYING A PLURALITY OF RELATIVELY MOVABLE ALPHABETIC SHAPES FOR FORMING LETTERS OR WORD COMBINATIONS
George Rilling, Anna, Ohio
Application May 23, 1949, Serial No. 94,885
1 Claim. (Cl. 35—71)



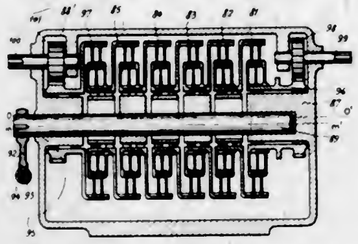
An educational device for use by teachers and lecturers comprising a plurality of bodies each having an alphabetic shape; coupling means connecting said bodies and providing for relative swinging movement thereof between an outwardly spread position wherein said bodies are arranged in a common plane and folded positions wherein said bodies are arranged in superposed substantially parallel planes, said coupling means also providing for relative rotation of said bodies; indicia-forming means carried on each of said bodies; and means movably carried on each of said bodies for rendering said indicia-forming means visible or invisible to an audience.

2,583,495
PRINTER'S CHASE
Floyd C. Roueche, Los Angeles, Calif.
Application June 13, 1949, Serial No. 98,691
2 Claims. (Cl. 101—394)



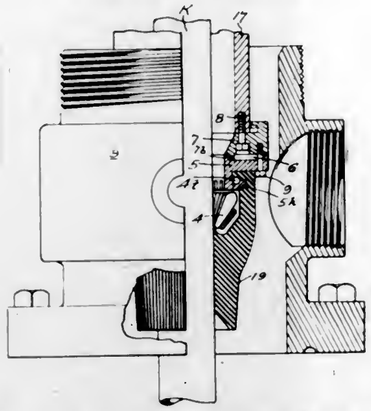
1. In a knock-down printer's chase: a frame including longitudinal bars and transverse bars; a pair of wedging bars one of which is provided with a series of recesses each having an inclined bottom wall constituting a wedging ramp and having parallel side walls, the other having a plurality of sockets disposed with their axes at right angles to said ramp; a plurality of wedge pins mounted in said sockets, extending into respective recesses, confined between said parallel walls thereof, and having bearing ends slidably engaging said ramps; and actuator means for shifting said wedging bars relatively longitudinally whereby to effect wedging action between said bearing ends and said ramps, resulting in spreading movement of said wedging bars, each pin being pivoted to a respective wedging bar at a point near the bottom of its respective socket, having an opposite end slidably engaging a respective wedging ramp, and adapted to engage one side of its socket for limiting its pivotal movement in the direction in which it tends to swing when being forced against said respective wedging ramp to develop spreading action between the wedging bars, said limiting action disposing said pins in wedging position in which their longitudinal axes are substantially normal to their respective wedging ramps, said sockets being of larger diameter than said wedge pins whereby the latter in said wedging positions are spaced from the opposite sides of said sockets to provide for lost motion return pivotal movement of the wedging pins away from said wedging positions in response to relative retracting movement of the wedging bars, whereby to readily relax wedging pressure between said wedging pins and ramps and thereby facilitate unlocking of the chase.

2,583,496
GRADUAL CHANGE-SPEED GEAR WITH MULTIPLE FRICTION
Guy Rougelot, Enghein-les-Bains, Seine-et-Oise, France, assignor to Societe Algol, Agnetz, Clos Altair, France, a body corporate of France
Application January 10, 1948, Serial No. 1,605
In France January 15, 1947
5 Claims. (Cl. 74—199)



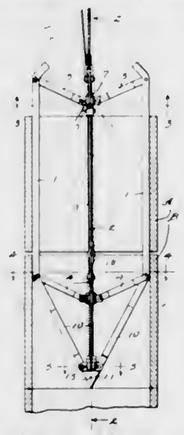
1. A power transmitting apparatus comprising in combination a driving shaft, a first element operatively connected to said driving shaft and having a series of friction rings slidably mounted thereon, a driven shaft in axial alignment with the said driving shaft, a second element operatively connected to said driven shaft and having a series of friction discs slidably mounted thereon, means connecting said first and second elements, said means including an intermediate element having a series of conical friction discs slidably mounted thereon and having a series of conical friction rings slidably mounted thereon, the friction discs of said intermediate element being positioned in cooperative relationship to friction rings of said first element and the friction rings of said intermediate element being positioned in cooperative relationship to the friction discs of said second element, means operatively engaged with said slidable friction discs and rings for engaging same with each other so as to transmit power from the driving shaft to the driven shaft, and means for varying the radial position of said intermediate element with respect to said first and second elements.

2,583,497
RIBBED-STRIPPER PACKER UNIT
Frank J. Schweitzer, Brea, Calif.
Application July 22, 1948, Serial No. 40,090
5 Claims. (Cl. 286—16)



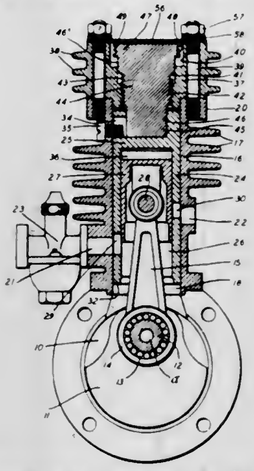
1. A rotary stripper assembly of the kind set forth and including a bearing part, an elastic nipple, and an expansive and contractive annular system of buttress ribs partly countersunk in the bore surface of the nipple and presenting inwardly directed swinging tips to normally engage an axial object passing through the nipple; said ribs each having at their upper ends trunnions partly countersunk in internal seats in the upper portion of the nipple and pivoted on said bearing part of the assembly.

2,583,498
TILE SETTER FOR BORED WELLS
Alfred C. Sorbel, Hanska, Minn.
Application October 19, 1948, Serial No. 55,391
1 Claim. (Cl. 294—97)



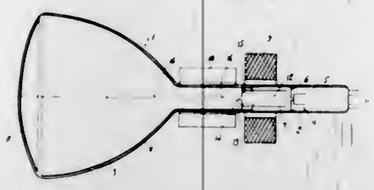
A tile setter for bored wells, comprising a central vertical exteriorly threaded adjusting rod, upper and lower collars having screw threaded engagement with said rod, a main frame consisting of perpendicular frame bars adapted to closely fit the inner wall of a tile section about to be lowered in the well, transverse radially disposed links for connecting the upper and lower ends of said frame bars to the corresponding collars, an inwardly and downwardly tapering nose carried by and depending from the lower end of the main frame, keeper plates fastened to certain of the perpendicular bars of the main frame, horizontal diametrically opposed supporting pins slidably mounted in said keeper plates, and adapted to engage and support the bottom edge of the above mentioned tile section, manually operated means, including bell-crank levers, steel cables and a trip rope, for retracting and dis-engaging said supporting pins from the bottom edge of said tile section when in place, the lower ends of the frame bars extending somewhat below the position of the supporting pins and co-acting with the tapering nose in positioning the tile section to be lowered in perfect alignment on top of the tile section previously set in place, adjustable clamps carried by the upper ends of certain of the frame bars and fitting on the upper edge of the tile section to be lowered in the well, and hoisting and lowering means connected with the main frame.

2,583,499
INTERNAL-COMBUSTION ENGINE
Hermann Teegen, Bunde, Germany, assignor to Lohmann-Werke A. G., Bielfeld, Germany, a corporation of Germany
Application April 30, 1949, Serial No. 90,619
In France September 3, 1948
4 Claims. (Cl. 123—48)



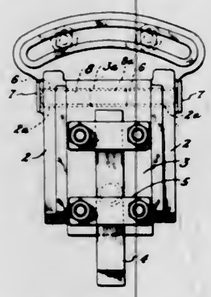
1. In a two-stroke internal combustion engine including a crank case and a piston, the combination of a cylinder stationary with respect to said crankcase, a barrel in which said piston is reciprocable, said barrel being fitted into said cylinder so as to be axially shiftable in relation thereto and having that end closed which is remote from the crank case, and means to adjust the axial position of the barrel in said cylinder, said barrel and said cylinder having communicating inlet openings under the control of the one piston edge and having outlet openings under the control of the other piston edge, and said barrel being provided with at least one recess extending from the open barrel end in a substantially axial direction, said recess being controlled by said other piston edge so as to form a passageway from said crankcase to the barrel space underneath said bottom.

2,583,500
CATHODE-RAY TUBE
Frederick H. Townsend, Cambridge, England, assignor to Cathodeon Limited, Cambridge, England, a British company
Application November 25, 1949, Serial No. 129,232
In Great Britain November 25, 1948
3 Claims. (Cl. 313—82)



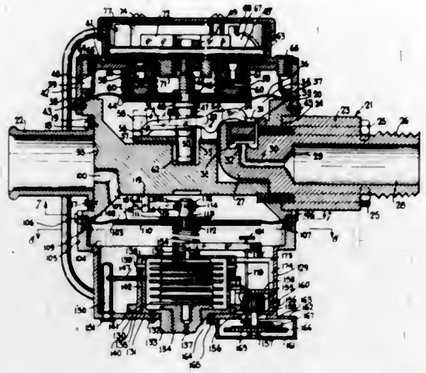
1. A cathode ray tube having an envelope including a neck, an electron gun including a cathode and electrode means for forming a divergent beam of electrons from said cathode, said gun being mounted and aligned in said neck to direct said beam substantially coaxially along said neck, a focussing coil coaxially mounted on said neck for focussing said divergent beam into a convergent beam, a diaphragm structurally independent of said gun mounted in and located with reference to said neck a short distance beyond said coil for intercepting said convergent beam emerging from the focussing field of said coil, said diaphragm having a small aperture therein accurately located on said neck axis to select from said convergent beam and allow to pass through said aperture a paraxial portion of said beam coincident with said aperture, whereby the selected beam emergent from said aperture of said diaphragm follows a path coincident with said neck axis, and deflecting coil means mounted coaxially on said neck beyond said diaphragm for deflecting said emergent beam to form a raster.

2,583,501
SWIVEL PIN MOUNTING FOR PLANER APRONS
John M. Walter, Cincinnati, Ohio, assignor to The G. A. Gray Company, Cincinnati, Ohio, a corporation of Ohio
Application December 17, 1946, Serial No. 716,731
3 Claims. (Cl. 90—52)



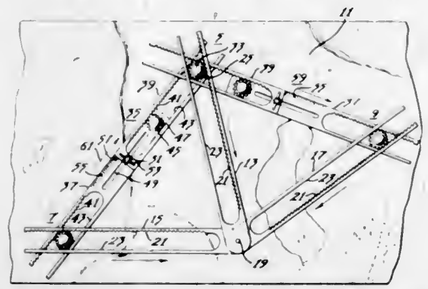
1. In combination with a tool box and apron, a straight cylindrical pin of uniform diameter for pivotally mounting the apron on the tool box, said apron and tool box having mounting holes for said pin bored therethrough in alignment and of uniform cylindrical diameter throughout, and bushings for said pin in the holes in said tool box, and within the ends, at least, of the hole in the apron.

2,583,502
BAIL OUT DEMAND REGULATOR
Leonard A. Wiggins, Cuyahoga Falls, Ohio
Application May 23, 1946, Serial No. 671,727
13 Claims. (Cl. 128—142)



2. In a bail-out regulator of the character described, the combination of means for supplying gas under a selected pressure at a selected height to the user of the regulator, and means for reducing the pressure of the gas supplied as the user descends inversely with respect to the increase in atmospheric pressure surrounding the user during descent, said last-named means including an aneroid, and mechanism responsive to the contraction of said aneroid including a cam track having a predeterminable cam surface for reducing said gas pressure during descent.

2,583,503
POSITION DETERMINING SYSTEM
Irving Wolff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 29, 1945, Serial No. 638,385
4 Claims. (Cl. 33—189)



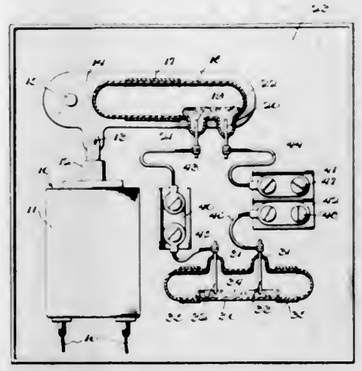
3. A system for indicating on a map the position of a mobile station, in accordance with information as to the differences between the distances from said mobile station to three fixed stations, including three pivot assemblies adapted to be placed on a map over the respective locations thereon of said three fixed stations, three arms, pivotally connected together at a common pivot point and each pivotally supported by one of said pivot assemblies, means for differentially adjusting the extensions of one pair of said arms from their respective pivot assemblies to said common pivot point, and means for differentially adjusting the extensions of another pair of said arms from their respective pivot assemblies to said common pivot point, whereby said common pivot point is driven to a position on said map corresponding to the position of said mobile station.

2,583,504
PROCESS FOR PREPARING ISOOLEFIN-DIOLEFIN COPOLYMERS OF UNIFORM AVERAGE COMPOSITION
David W. Young, Roselle, William J. Sparks, Westfield, and John D. Garber, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 8, 1946, Serial No. 682,144
3 Claims. (Cl. 260—85.3)

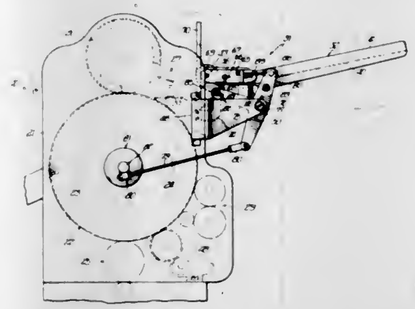
1. In a polymerization process for the copolymerization of a mixture of olefinic reactants containing a total of from 40% to 80% of butadiene and from 60% to 20% of an isomonoolefin having from 5 to 8 carbon atoms per molecule, which comprises copolymerizing a mixture of butadiene and the isomonoolefin in the presence of an inert diluent-refrigerant at a temperature within the range between +15° C. and −35° C. by a liquid catalyst solution containing about 2% to 3% of aluminum chloride dissolved in an alkyl chloride selected from the group consisting of ethyl chloride and methyl chloride, the improvement which consists of the steps of preparing a reactant mixture containing all of the butadiene and from 3/5 to 10/11 of the total isomonoolefin reactant, which mixture will yield initially a polymer which is non-rubbery and which has an iodine number within the range between 50 and about 250 and a Staudinger molecular weight within the range of about 1,000 and 20,000, diluting said mixture by the addition to said olefin reactants of an inert diluent-refrigerant, copolymerizing said mixture at a temperature within the range between +15° C. and −35° C. by the continuous slow addition thereto of a stream of said liquid catalyst solution, continuing said copolymerization at a temperature within said range until at least 50% of the mixed olefinic reactants have undergone polymerization and until the composition of the unpolymerized residual mixture of olefinic reactants has substantially changed due to faster reaction of the isomonoolefin, to such an extent that the copolymer produced no longer has a uniform average composition approximating that desired, then adding a second portion of reactant consisting of the remaining isomonoolefin component, continuing said copolymerization until substantially all of the butadiene component has been copolymerized, and isolating the desired copolymer of butadiene and isomonoolefin from the solution of diluent-refrigerant and residual olefins.

2,583,505
MERCURY SWITCH WITH ALIGNMENT RESPONSIVE MEANS
Paul L. Betz, Baltimore, Md., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland
Application July 22, 1948, Serial No. 40,123
5 Claims. (Cl. 200—152)

1. In a device of the character embodying two mercury switches connected in series in a circuit to be controlled, the combination of a common switch support normally occupying a fixed position in space, a first mercury switch movably mounted on said support, a controlling circuit, means responsive to changes in the electrical energy conditions in said controlling circuit for repeatedly moving said first switch between open and closed positions, and a second mercury switch connected in series with said first switch and fixedly mounted on said support and held in a fixed position in space when said first switch is moved, said second switch including a tubular envelope, a mercury pool in said envelope and a pair of electrodes positioned adjacent one another near the middle of said envelope, the circuit through said electrodes being closed continuously by said mercury pool when said support is properly installed with the envelope of said second switch in a horizontal position, and being open continuously when said support is installed improperly with the envelope of said second switch misaligned with respect to the horizontal.



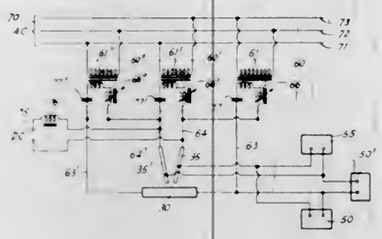
2,583,506
CONTINUOUS FEEDER
Frank J. Breman, Chicago, Ill.
Application January 25, 1950, Serial No. 140,480
24 Claims. (Cl. 271—37)



1. In an automatic feeder mechanism for feeding paper sheets, a rotatable feed roll adapted to present a moving cylindrical surface to the upper surface of said sheets of paper, a stationary retard roll below said feed roll adapted to wipe the under surface of said sheets of paper and spaced from said feed roll a distance sufficient to allow the passage of a single sheet of paper at one time between said two rolls, cam means associated with said feed roll for intermittently raising said feed roll from approximate contact with the surface of said retard roll, linkage means associated with said camming means for actuation thereof, and stop fingers adapted to be raised to an interfering position with the path of movement of said sheets of paper across said retard roll for preventing

such passage during the period when said feed roll is withdrawn from approximate feeding contact with said retard roll.

2,583,507
POLYPHASE ALTERNATING CURRENT FUSION WELDING WITH CONTROL OF INTERPHASE VOLTAGE, AND WITH COMBINED ALTERNATING CURRENT AND DIRECT CURRENT WELDING POTENTIALS
Otis R. Carpenter and Frank W. Armstrong, Jr., Barberton, and Reidar P. C. Rasmusen, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application April 4, 1949, Serial No. 85,284
11 Claims. (Cl. 219—8)



1. Electric welding apparatus comprising, in combination, a plurality of relatively movable electrodes; a relatively fixed electrode; means connecting said electrodes in a polyphase welding circuit; first circuit characteristic responsive adjustment means associated with said movable electrodes and controlling the arc lengths therebetween; and second circuit characteristic responsive adjustment means associated with said movable electrodes and said fixed electrode and operable conjointly with said first adjustment means to control the arc lengths between said movable electrodes and the fixed electrode.

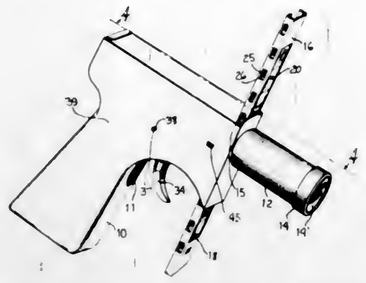
2,583,508
β,β,β-TRICHLORETHYLIDENE-ACETYL-THIOPHENES
Jean Druey, Riehen, and Paul Schmidt, Therwil, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application April 2, 1951, Serial No. 218,889. In Switzerland April 18, 1950
4 Claims. (Cl. 260—332.3)

1. A 2 - (β,β,β - trichlorethylidene - acetyl) - thiophene.

2,583,509
SOLVENTS CONTAINING NITRILES
Howard D. Hartough, Pitman, and Howard W. Sheldon, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application October 16, 1947, Serial No. 780,208
1 Claim. (Cl. 106—311)

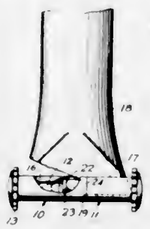
A multicomponent solvent for resins, gums, and the like which consists essentially of a predominantly aromatic hydrocarbon solvent for resins, gums, and the like and benzonitrile, said benzonitrile being present in said multicomponent solvent in a concentration of about 10 to about 80 volume per cent, said concentration of benzonitrile being sufficient to produce a multicomponent solvent having a kauri-butanol value greater than the calculated kauri-butanol value of said mixture.

2,583,510
PICTURE VIEWING DEVICE
Frederick B. Ingram, Moline, Ill.
Application June 14, 1948, Serial No. 32,773
3 Claims. (Cl. 40—28)



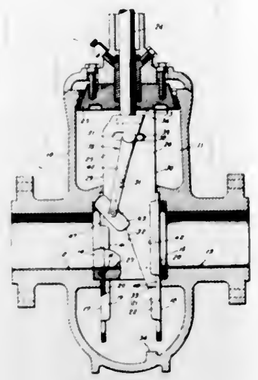
1. A viewing device comprising a body formed to simulate a pistol and having an open end, and including a viewing barrel having lens opposite the open end of the body, and a handle to facilitate holding the pistol in optical alignment with the eye, the line of sight being through the body opening and the barrel lens, and a vertical passage extending transversely of the barrel between the lens thereof and the said opening, a picture bearing frame mounted for intermittent movement downward through the passage, trigger mechanism for intermittently moving said frame through said passage, said mechanism having a trigger adjacent and exterior the handle for engagement by a finger of a hand gripping said handle, and a latch means for yieldably latching the frame in predetermined position with respect to the barrel to hold a picture in position with respect to said barrel for viewing therethrough.

2,583,511
COLLAPSIBLE TUBE ROLLER
Albert H. Jung, Flushing, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application July 20, 1949, Serial No. 105,831
10 Claims. (Cl. 222—99)



1. A two-part tube roller comprising a pair of telescoping molded members each having a head and a longitudinally slotted tube projecting from the head, and cooperating separable fastening means on the members comprising an enlarged annular bead providing an integral ridge on the outer wall of one of the members removably entering a corresponding annular groove providing a shouldered recess in the inner wall of the other member, the diameter of that part of the inner wall outwardly of the recess being less than the greatest diameter of the enlarged bead whereby the bead expands the inner wall during the passage of the bead longitudinally into the recess.

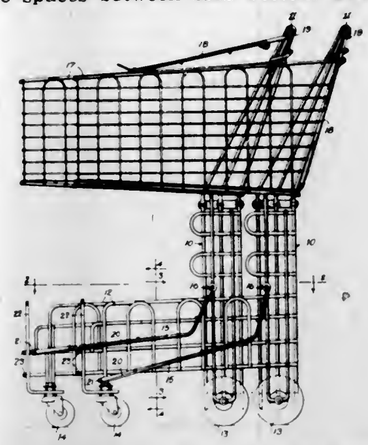
2,583,512
GATE VALVE
Milton P. Laurent, Houston, Tex., assignor to W-K-M Company, a joint venture
Application January 16, 1950, Serial No. 138,780
20 Claims. (Cl. 251—70)



1. A gate valve of the through conduit type comprising: a housing forming a valve chamber having aligned ports provided with opposed parallel valve seats; an expansible ported valve gate assembly mounted for rectilinear movement between said seats to open and close the valve, said assembly comprising two ported abutting members having parallel outer sealing faces to engage the valve seats and complementary opposed inner faces each formed with at least one surface portion that is inclined with respect to said seats to form at least one set of wedging surfaces effective to expand said assembly normally of said seats and force said members oppositely into sealing engagement therewith upon relative displacement between said members in one direction parallel to the movement of said assembly; means for moving said assembly to valve-open and valve-closed positions; stop means for one of said members for effecting wedging relative displacement therebetween adjacent at least one end of travel of said assembly in order to seal the valve; and means positively preventing wedging relative displacement between said members until said assembly is positioned substantially at one end of its travel, said last mentioned means including a lever fulcrumed on one of said members and having sliding pivotal connection with the other of said members and means within said chamber engageable by a portion of said lever for controlling the pivotal movement thereof.

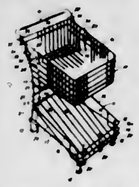
2,583,513
PORTABLE MARKETING TRUCK
Louis Maslow, Scarsdale, N. Y.
Application August 10, 1949, Serial No. 109,463
4 Claims. (Cl. 280—50)

1. A merchandising truck which comprises a frame, a lower basket projecting forwardly from said frame, a bottom wall of said basket formed of spaced elements pivoted at their rear upper ends to the frame, upright elements at the front of the basket and spaced apart and in alignment with the spaces between said bottom wall ele-



ments, and a cross rod connecting said upright elements.

2,583,514
NESTING MERCHANDISE CART
Louis Maslow, Scarsdale, N. Y.
Application February 18, 1950, Serial No. 144,999
5 Claims. (Cl. 280—47)



1. In a merchandise cart, a base, standards extending upwardly from said base, a receptacle pivotally supported by sand standards, arms pivotally secured to said standards, guideways formed in said arms, followers secured to said receptacle and received in said guideways for the purpose of controlling the movement of said receptacle.

2,583,515
FLUID TREATING HELICALLY ADVANCING THREADS
Thomas S. Mayner, Chagrin Harbor, Willoughby Township, Lake County, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application November 20, 1947, Serial No. 787,147
2 Claims. (Cl. 8—151.1)



1. The method for processing thread or the like with a fluid a plurality of times as the thread is continuously advanced in a plurality of generally helical turns consisting, closely spacing the thread turns, applying a processing liquid to said closely spaced turns to form a liquid blanket thereon, individualizing a predetermined plurality of said closely spaced turns by separating said turns to

destroy the processing liquid blanket, collecting said liquid to form a mass sufficient to be thrown out of said helix by centrifugal force, then again closely spacing the thread turns for a subsequent application of a blanket of processing liquid.

2,583,516
FLIER
Michael C. McDermott, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application March 16, 1949, Serial No. 81,802
6 Claims. (Cl. 57—116)



1. A flier being adapted for positioning about a spindle, said flier comprising; a body portion having an aperture, a support for mounting said flier about the spindle in said aperture, a brake in said support, a yarn guiding eye positioned on one side of said flier body, an air paddle on the other side of said flier body, said air paddle being inclined to the direction of rotation and to a plane through the axis about which it rotates, and said inclined air paddle upon rotation being adapted to vertically raise the flier and render the brake inoperative.

2,583,517
PROCESS FOR EFFECTING COUPLING REACTIONS
Peter Pieth, Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application February 25, 1948, Serial No. 10,906. In Switzerland November 28, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 28, 1965
3 Claims. (Cl. 260—197)

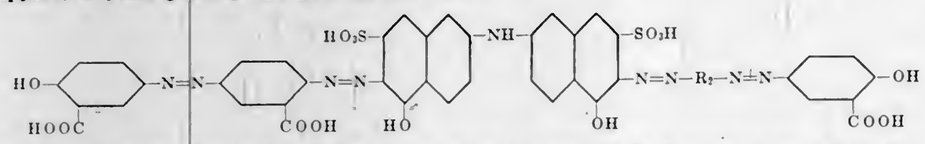
1. In the process for coupling a member selected from the group consisting of diazotized 2 - amino - 1 - hydroxybenzene - 4 - sulfonic acid and diazotized 2-amino-1-hydroxy-4-chlorobenzene-6-sulfonic acid with 1,5-dihydroxynaphthalene, the improvement which consists in reacting the said member and the 1,5-dihydroxynaphthalene in an aqueous alkaline medium containing an alkali metal salt of naphthalene-1-sulfonic acid.

2,583,518
DIESEL FUEL
Primo L. Pinotti, Larkspur, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 1, 1948, Serial No. 30,522
7 Claims. (Cl. 44—63)

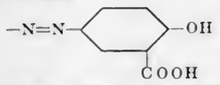
1. A diesel fuel comprising a major proportion of a diesel oil having a sulfur content between about 0.25% and 2.5% by weight and about one-half to about one and one-half times the weight per cent of said sulfur of a wear inhibiting agent consisting essentially of a nitrogen base containing extract of a California crude oil distillate boiling within the boiling range of naphtha and gas oil, said extract being separated by the steps comprising extracting said distillate with a dilute mineral acid, separating an acid phase, neutralizing the acid phase with an aqueous alkaline solution, separating an oily phase comprising nitrogen bases from the neutralized acid phase, and water washing said oily phase.

2,583,519
AZO-DYESTUFFS
Max Schmid, Riehen, and Eduard Moser, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application July 20, 1948, Serial No. 39,809. In Switzerland December 19, 1944
6 Claims. (Cl. 260—166)

6. A tetrakisazo dyestuff corresponding to the formula



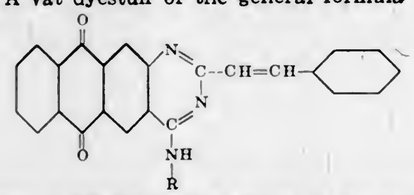
in which R_2 stands for a mononuclear aryl radical in which the —N=N— groups are in para-position to each other and which contains in meta-position to the



radical an —OCH_3 group, the radical R_2 being free from sulfonic acid groups.

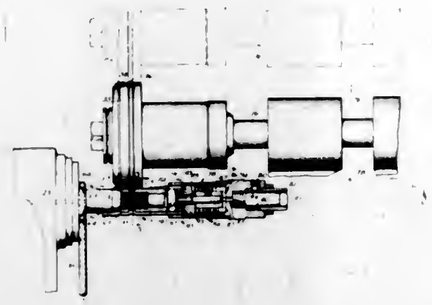
2,583,520
QUINAZOLINE DERIVATIVE VAT DYESTUFFS
Paul Sutter, Binningen, and Walter Kern, Sissach, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application September 11, 1950, Serial No. 184,343. In Switzerland September 16, 1949
5 Claims. (Cl. 260—261)

1. A vat dyestuff of the general formula



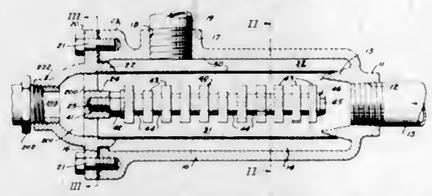
wherein R stands for the radical of an anthraquinone-2:1(N)-benzene acridone attached to the —NH— group in 4-position of the anthraquinone radical.

2,583,521
TUBE TRIMMING AND PIERCING MACHINE
Harold F. Temple, Elmont, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application March 2, 1950, Serial No. 147,189
20 Claims. (Cl. 164—11)



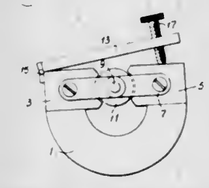
1. In a tube trimming machine, a revoluble mandrel constituting a first support means for a generally cylindrical tube having one closed end and the other end open, the tube normally hanging eccentrically on the mandrel, a revoluble tool, means for moving the tool toward and from the mandrel to press the tube between the tool and the mandrel, and means for holding the closed end portion of the tube concentrically with the mandrel during the operation of the tool on the tube thereby temporarily to distort the tube, said holding means comprising a sleeve arranged in axial alignment with the mandrel, means to reciprocate the sleeve longitudinally toward and from the mandrel, the inner diameter of the sleeve being greater than the outer diameter of the mandrel, said sleeve receiving the mandrel and the closed end portion of the tube therein when the sleeve is nearest the mandrel, a spring pressed rotatable button constituting a second support means for the tube and mounted for longitudinal sliding movement in the sleeve into a position in pressed contact with the closed end of the tube to press said end against the end of the mandrel and a revoluble mounting for the button and sleeve.

2,583,522
FLUID PURIFIER
Charles A. Winslow and John J. Meyer, Alameda County, Calif., assignors to Winslow Engineering Co., Oakland, Calif., a partnership
Application April 27, 1948, Serial No. 23,558
2 Claims. (Cl. 210—1.5)



1. A magnetic filtering device for flowing fluids comprising an elongated housing having a cylindrical walled chamber therein, an inlet opening in one end of the housing co-axial with said chamber, an outlet opening from said chamber in the side wall of the housing, a cap removably secured to the opposite end of the housing and having a cylindrical flange extending within said chamber, a boss rigidly supported within said cap in co-axial relation to said inlet opening and said cylindrical flange, an elongated magnet assembly disposed within the chamber and having one end thereof removably supported by said boss, said housing being also provided with an inwardly directed flange surrounding said inlet opening and provided with an outer frusto-conical wall converging toward said opposite end of the housing and being in co-axial relation to said cylindrical flange, the inner converging end portion of said wall being of less diameter than the inner surface of said cylindrical flange, and a cylindrical filter screen having one end thereof removably seated within said cylindrical flange and its opposite end freely engaged over said frusto-conical wall, whereby said screen is removable as a unit with said cap and concentrically supported with respect to said magnet assembly by said frusto-conical wall.

2,583,523
MAGNETIC TORQUE APPARATUS
Anthony Winther, Kenosha, Wis., assignor to Martin P. Winther, as trustee, Waukegan, Ill.
Application August 26, 1946, Serial No. 693,056
5 Claims. (Cl. 172—284)



1. A substantially constant-torque slip coupling comprising relatively rotary magnetic field and magnetic inductor members, said field member having spaced pole pieces of relatively low retentivity high-permeability magnetic material in magnetic inductive relation to the inductor member, the inductor member having a sweep surface which is relatively uninterrupted with respect to the spaced pole pieces and being polarized primarily by the pole pieces, said inductor member being constructed of magnetic material having characteristics of high hysteresis-loss, and means for producing non-alternating poles in said pole pieces comprising a permanent magnet.

2,583,524
HEATING SYSTEM CONTROL APPARATUS
Vernon D. Wissmiller, Chicago, Ill., and Robert A. Beveridge, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 19, 1946, Serial No. 698,014
6 Claims. (Cl. 237—5)

6. In heating apparatus for an enclosed space having an outside wall, in combination, air heating means for said space, means responsive to space temperature for controlling said air heating means, radiant heat means for radiating heat within said space, said radiating means comprising liquid conduit means extending along substantially the full length of said outside wall and being part of a closed liquid circulating system, means for heating the liquid in said circulating

system, means for circulating the liquid, and means for controlling the liquid heating means including means responsive to the liquid tem-



perature and to outdoor temperature arranged to vary the liquid temperature inversely proportional to outdoor temperature.

2,583,525

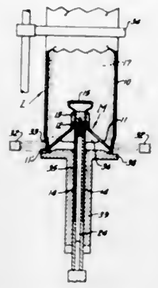
METHOD FOR SEALING AND TERMINATING TUBULAR DEVICES

Joe Yoder, Erieside, Ohio, assignor to General Electric Company, a corporation of New York

Original application April 17, 1943, Serial No. 483,470. Divided and this application August 15, 1946, Serial No. 690,661

2 Claims. (Cl. 49—78)

1. The method of manufacturing a tubular fluorescent lamp having its envelope coated internally with fluorescent material to the very ends thereof, which method comprises positioning an end piece in sealing-in relation adjacent an end of an envelope coated internally with fluorescent material except for a limited uncoated end portion of its wall extending inwardly beyond the region of the envelope wall to be

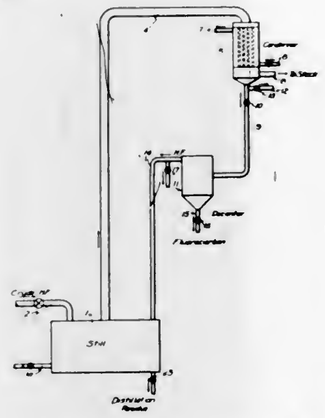


sealed to the end piece, thermally softening and sealing the said uncoated end portion of the envelope to the edge portion of the end piece, and, while the material is soft, turning the entire uncoated end portion of the envelope, inwardly of the seal, reentrantly outside-in by shifting the end piece inward into the envelope.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 253. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

565,986. **SEPARATION OF FLUOROCARBONS FROM HYDROGEN FLUORIDE SOLUTIONS.** John B. Roberts and William O. Jewett, Jr., Wilmington, Del., assignors to the United States of America as represented by the United States Atomic Energy Commission. Filed Nov. 30, 1944. Published Jan. 22, 1952. Class 202—42. 1 sheet of drawings. 7 pages of specification.



In accordance with the process of the present invention a crude hydrogen fluoride product containing dissolved fluorocarbons or monohydro or dihydrofluorocarbons is subjected to fractional distillation below the normal boiling point of hydrogen fluoride at the prevailing pressure to carry over in the distillate the fluorocarbon and hydrofluorocarbon impurities dissolved in the hydrogen fluoride, leaving behind a purified hydrogen fluoride.

Thus it has been found that although normal perfluoroheptane has a normal boiling point of about 74° C., as compared with a normal boiling point of 19.4° C. for hydrogen fluoride, the perfluoroheptane can be distilled off from a hydrogen fluoride solution thereof with the first distillate fractions containing only a minor proportion of the total hydrogen fluoride solvent. The process is particularly applicable to the separation of aliphatic and cyclic fluorocarbons containing 5 to 12 carbon atoms per molecule and their monohydro and dihydro derivatives, whether present alone or as mixtures. Examples of such compounds are perfluoroheptane and its monohydro and dihydro derivatives, perfluoroethylcyclopentane, perfluoromethylcyclohexane and perfluorodimethylcyclohexanes.

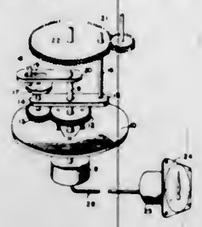
In the drawing the numeral **1** designates a simple drum still having heating means such as steam coil **1***a*. The still is provided with a valve-controlled inlet pipe **2** for introducing crude hydrogen fluoride and with a valve-controlled drain **3** for withdrawing distillation residue. Vapor conduit **4** leads from the still to a condenser **5** of conventional design, which is provided with a valve-controlled inlet **6** and an outlet **7** for a suitable cooling medium such as cold water or brine. The condenser has a vent **8** leading to a stack or other suitable disposal system for exhausting gaseous products. At the bottom of condenser **5** a liquid conduit **9**, having a valve **10**, leads to a lagged or refrigerated decanter **11**. A draw-off pipe **12**, having a valve **13**, also connects with conduit **9**. Decanter **11** has an overflow pipe **14** leading back to still **1**, and a fluorinated hydrocarbon draw-off **15** provided with a valve **16** for controlling removal of fluorinated hydrocarbons from decanter **11**. Pipe **14** is provided with a valve-controlled outlet **17**.

Crude hydrogen fluoride, containing in solution about 2.5% by weight of perfluoroheptane, monohydroperfluoroheptanes, and dihydroperfluoroheptanes, is introduced into still **1** by way of inlet pipe **2**, valve **3** being closed. A cooling fluid is admitted to the cold side of condenser **5** by way of inlet **6**. This fluid preferably is at a temperature in the neighborhood of 0° C. Valve **10** is open and valve **13** is closed. Valve **16** also is closed at the start of the operations. The still is now heated to boiling temperature to vaporize hydrogen fluoride, which passes up through conduit **4** to condenser **5**, carrying with it fluorocarbon and hydrofluorocarbon impurities. The distillate, which contains the impurities substantially in excess of their solubility in hydrogen fluoride, is condensed in condenser **5** and conveyed by pipe **9** to decanter **11** where the undissolved fluorinated hydrocarbons settle out from the lighter hydrogen fluoride. When the level of fluorinated hydrocarbon impurities in decanter **11** has risen to approximately the midpoint of the decanter, valve **16** is opened sufficiently to allow them to drain out at a rate maintaining their level more or less constant in the decanter. Meanwhile the hydrogen fluoride condensate, saturated with the impurities, fills the remainder of the decanter and overflows by way of overflow conduit **14** into still **1**.

Distillation is conducted until all or substantially all of the perfluoroheptane and monohydro- and dihydroperfluoroheptanes have passed over. At atmospheric pressure the distillation temperature may be only slightly below the boiling point of hydrogen fluoride. When the boiling point of pure hydrogen fluoride is attained, the distillation may be discontinued and the hydrogen fluoride withdrawn from the still through outlet **3** if desired. Toward the final stage of the process insufficient organic vapors are evolved to form a separate phase. When this point is reached, the valve on outlet **17** may be opened to withdraw distilled hydrogen fluoride and this hydrogen fluoride, which contains dissolved impurities, may be added to the still along with the next charge of crude. By this expedient the return of impurities from decanter **11** to the purified product in the still is avoided.

636,485. **LOOP COMPENSATOR NAVIGATION DEVICE.** Albert P. Parker, Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War. Filed Dec. 21, 1945. Published Jan. 22, 1952. Class 74—802. 2 sheets of drawings. 4 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

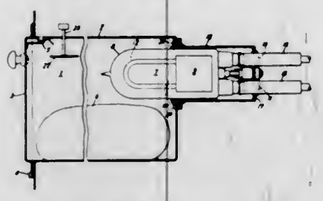


This application discloses a means for introducing a sine wave correction between two rotating members with any reasonable degree of accuracy, which means requires no special adjustments or variable cams.

Referring to Figure 2 of the drawing, **10** indicates a supporting plate on which is rigidly mounted a gear **12** by spacing means **11**. Cooperating with gear **12** is a satellite gear **13** fastened to shaft **14** carrying a disc **17** with a pin **18**, all rigidly connected. Shaft **14** is rotatably mounted in an arm **15** which rotates freely on a shaft **9**. Pin **18** engages a slot **19** in an arm **20** rigidly connected to shaft **9**. A pin **16** carried by arm **15** engages in an opening in a gear **21** fastened to a shaft **22**. Shaft **9** is connected to a synchronous transmitter **8**, and cable **26** of said transmitter is connected to synchronous follower **25** which operates a pointer on an indicating instrument **24**.

Upon rotation of shaft **22**, the gear **21** acts through pin **16** to rotate arm **15** about shaft **9**, causing gear **13** to revolve about gear **12** and through disc **17** and pin **18**, the arm **20** and its associated shaft **9** will be rotated. The motion of arm **20** and its shaft **9** will be the combination of the revolving and rotating motions of gear **13** and disc **17**. With a uniform rotary motion of shaft **22**, a substantially sinusoidal motion of shaft **9** will result. This motion of shaft **9** will be imparted through transmitter **8**, cable **26**, and transmitter **25** to the pointer on the indicating instrument **24**.

737,963. **HIGH-FREQUENCY DIELECTRIC HEATER.** Harold W. Anderson, Scotia, N. Y., assignor to General Electric Company, a corporation of New York. Filed Mar. 28, 1947. Published Jan. 22, 1952. Class 219—47. 1 sheet of drawings. 6 pages of specification.



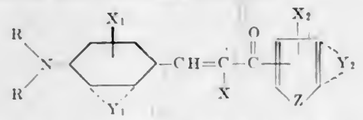
This application discloses an ultra high frequency heater of the resonant cavity type comprising walls **2** made of electrically conducting material forming a heating chamber provided with a door **3** through which a dielectric material **6** to be heated is placed in the chamber. High frequency electromagnetic fields are produced in the heating chamber for heating the material **6** by means of a magnetron **7** having a frequency determining loop **12** extending into the heating chamber through an aperture **19**. The heating chamber which is of such size as to be substantially resonant to the frequency of the magnetron, is closed around the magnetron by means of a cylindrical wall **18** mounted in the aperture **19** and an end wall **17**. The coupling between the magnetron and the chamber can be adjusted by loosening the screws **20** and turning the cylindrical wall **18** and the magnetron, and the heating chamber may be tuned by raising or lowering a metal disc **22** to give a resonant condition for maximum power input to the material **6**.

62,242. **3-(4-AMINOARYL) - 1 - HETEROPROPENE-2-ONES-1, AND THEIR METHOD OF PREPARATION.** David I. Randall and Tellis A. Martin, Easton, Pa. Filed Nov. 26, 1948. Published Jan. 22, 1952. Class 260—332.3. No drawing. 10 pages of specification.

The compounds of this application relate to 3-(4-aminoaryl)-1-heteropropene-2-ones-1 and to their method of preparation.

The improved dyestuffs of this application, like the known N,N-dialkyl-4-aminobenzalacetophenones, have a powerful affinity for acetate, cotton and wool. They yield dyeing which are of brighter shade which are much faster to light than the N,N-dialkyl-4-aminobenzalacetophenones and furthermore they fluoresce under an ultraviolet light from blue to greenish-yellow shades.

The dyestuffs contemplated herein may be represented by the following formula:



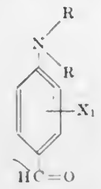
wherein R is hydrogen, alkyl such as methyl, ethyl, propyl, butyl and the like, hydroxyalkyl, such as hydroxymethyl, hydroxyethyl, and the like, or alkoxyalkyl such as methoxyethyl, ethoxyethyl, and the like, X_1 is hydrogen, alkyl as above, halogen such as chlorine, bromine and the like, or nitro, X is alkyl such as methyl, ethyl, propyl or the like, halogen as above, aryl such as phenyl, or cyano, X_2 is hydrogen, halogen as above, alkyl as above, aryl as above, alkoxy such as methoxy, ethoxy, propoxy and the like, or cyano, Y_1 is the group of atoms necessary to complete a benzene ring or is equal to X_1, Y_2 is the group of atoms necessary to complete a benzene ring or is equal to X_2, and Z is oxygen, sulfur or NR', R' being hydrogen, alkyl as above, or aryl as above.

Examples of compounds embraced by the above formula are:

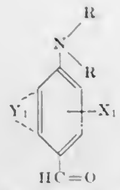
3 - (N,N - diethyl - 4 - aminophenyl) - 1 - (2-thienyl) propene-2-one-1;
3 - (N,N - diethyl-4-aminophenyl)-1-[2-(5-chlorothienyl)]propene-2-one-1;
3 - (N,N - diethyl - 4 - aminophenyl) - 1 - [3 - (4-bromo-2,5-diphenylfuryl)]propene-2-one-1;
3 - (N,N - diethyl - 4-aminophenyl)-2-methyl-1-(2-thienyl) propene-2-one-1;
3 - (N-ethyl-N-methyl-4-aminophenyl)-2-ethyl-1-(2-furyl) propene-2-one-1;
3 - (N,N - dimethyl - 4-aminophenyl)-2-cyano-1-(2-thienyl) propene-2-one-1;
3 - (N - ethyl-N-methoxyethyl-4-aminophenyl)-2-chloro-1-(2-thienyl) propene-2-one-1;

3 - (N,N - diethyl - 4 - aminophenyl) - 1 - [2-(1-phenylpyrryl)]propene-2-one-1;
3 - (N,N - dimethyl - 4 - aminophenyl) - 1-[2-(3-phenylidyl)]propene-2-one-1;
3 - (N,N - dimethyl - 4 - aminonaphthyl) - 1-(2-pyrryl) propene-2-one-1.

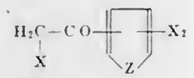
The aforestated compounds are prepared by condensation of an aldehyde of the following formula:



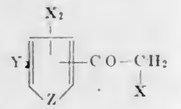
and



wherein R, X_1 and Y_1 have the values given above with the heterocyclic ketone of the following formula:



and



wherein X_1, X_2, Y_1, Y_2 and Z have the values given above in the presence of an alkali such as sodium hydroxide, potassium hydroxide, lithium hydroxide, sodium carbonate, potassium carbonate, and the like.

The condensation is effected by allowing the reactants to stand at a temperature ranging from room temperature (about 15° C.) to about 60° C. for a period of from one to several hours in the presence of an aqueous solution of a strong alkali. Preferably the components are dissolved in an organic solvent therefor, such as methanol, ethanol, dioxane, butanol, ether and the like.

When the condensation has been completed, the product separates in the form of an oil which may be extracted by means of ether, benzene or the like, and the extract worked up by concentration. The product is employed to dye acetate, cotton and wool in the form of an aqueous suspension thereof.

Examples of aldehydes suitable for use in the condensation are:

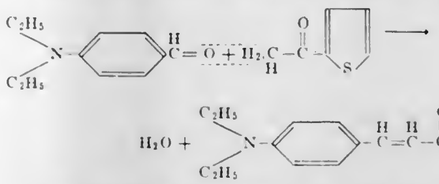
N,N-diethyl-4-aminobenzaldehyde;
N,N-dimethyl-4-aminobenzaldehyde;
N-ethyl-N-methyl-4-aminobenzaldehyde;
N-methyl-4-aminobenzaldehyde;
N-ethyl-4-aminobenzaldehyde;
N-ethyl-N-methoxyethyl-4-aminobenzaldehyde;
3-bromo-N,N-dimethyl-4-aminobenzaldehyde;
N,N-dimethyl-4-amino-3-nitrobenzaldehyde;
2-chloro-N,N-diethyl-4-aminobenzaldehyde;
2-chloro-N-ethyl-4-aminobenzaldehyde;
2,6 - dichloro - N,N - dimethyl-4-aminobenzaldehyde;
6 - chloro - 3 - nitro-N,N-dimethyl-4-aminobenzaldehyde;
6 - chloro-3-nitro-N,N-diethyl-4-aminobenzaldehyde;
2-methyl-N,N-dimethyl-4-aminobenzaldehyde;
3-methyl-N-methyl-4-aminobenzaldehyde;
3-methyl-N-ethyl-4-aminobenzaldehyde;
6 - chloro-3-methyl-N-methyl-4-aminobenzaldehyde;
6 - chloro - 3-methyl-N,N-diethyl-4-aminobenzaldehyde;
N,N-dimethyl-4-amino-1-naphthaldehyde;

and the like.

The following represent examples of heterocyclic ketones which may be condensed with the aforementioned aldehydes:

2-acetylthiophene;
3-acetylthiophene;
2-propanoylthiophene;
5-chloro-2-cyanoacetylthiophene;
2-thiocyanoacetylthiophene;
5-chloro-2-thiocyanoacetylthiophene;
2-chloroacetylthiophene;
2-acetyl-5-chlorothiophene;
2-acetyl-3-methylthiophene;
2-acetyl-5-nitrothiophene;
3-acetyl-2,5-dichlorothiophene;
3-acetyl-2,4,5-trichlorothiophene;
2- and 3-acetyl-thionaphthalene;
2-cyanoacetylthiophene;
2- and 3-acetylfuran;
2-butanoylfuran;
2-chloroacetylfuran;
2-acetyl-5-bromofuran;
2-acetyl-5-nitrofuran;
3-acetyl-2,5-diphenylfuran;
3-bromoacetyl-2,5-diphenylfuran;
3-acetyl-4-bromo-2,5-diphenylfuran;
2-acetyl-benzofuran;
2-acetyl-3-methoxy-5-methylbenzofuran;
benzyl-2-furyl ketone;
2- and 3-acetylpyrrole;
2-chloroacetylpyrrole;
2-acetyl-5-cyanopyrrole;
2-acetyl-1-methylpyrrole;
2-acetyl-3-methylpyrrole;
4-acetyl-2,3-dimethylpyrrole;
2-acetyl-3,4-dibromo-5-nitropyrrole;
2- and 3-acetylindole;
3-chloroacetyl-indole;
2-acetyl-3-phenylindole;
2-acetyl-5,6-dimethoxy-3-phenylindole;
2-acetyl-N-phenylpyrrole.

The reaction by which the condensation proceeds, taking as the reactants N,N-diethyl-4-aminobenzaldehyde and 2-acetylthiophene, may be represented by the following equation:



The following example will serve to explain the invention.

3-(N,N-diethyl-4-aminophenyl)-1-(2-thienyl)-propene-2-one-1

A mixture of 7 grams of N,N-diethyl-4-aminobenzaldehyde, 4 grams of 2-acetylthiophene, 40 ml. of ethanol and 1 ml. of 20% sodium hydroxide was allowed to set overnight at room tem-

perature (the condensation may be completed in a much shorter reaction time by heating at 40–60°). On diluting, extracting with ether and concentrating the ethereal extract, the oily product was obtained in nearly quantitative yield. An aqueous suspension of this dyestuff dyes acetate, cotton and wool with a fluorescent yellow shade. Under an ultraviolet lamp a greenish-yellow shade is obtained.

3 - (N,N - diethyl - 4 - aminophenyl) - 1 - [2 - (5 - chlorothienyl)] propene - 2 - one - 1; 3 - (N,N-diethyl - 4 - aminophenyl) - 1 - [3 - (4-bromo-2,5-diphenylfuryl)] propene-2-one-1; and 3 - (N,N-diethyl - 4 - aminophenyl) - 2 - chloro - 1 - (2-pyrryl) - propene-2-one-1 may be prepared according to the procedure shown above when employing the appropriate aldehyde and ketone.

75,928. **COMMUTATOR FOR DYNAMOELECTRIC MACHINE AND METHOD OF MAKING THE SAME.** Alan A. Pollock, Leamington Spa, England, assignor to General Electric Company, a corporation of New York. Filed Feb. 11, 1949. Published Jan. 22, 1952. Class 171—321. 2 sheets of drawings. 11 pages of specification.



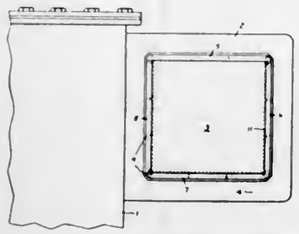
The application discloses a dynamoelectric machine commutator having primary and secondary commutator segments, each being individually insulated and each provided with an axially extending recess or projection in at least one inner face thereof. Such recesses or projections may be referred to as bulbous portions and the primary segment bulbous portions are mated with corresponding bulbous portions on the retaining members, whereas the bulbous portions of the secondary segments mate with corresponding bulbous portions on the primary segments.

78,926. **METHOD OF MAKING CORE STRUCTURE.** Thomas L. Staley, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York. Filed Mar. 1, 1949. Published Jan. 22, 1952. Class 29—155.61. 1 sheet of drawings. 11 pages of specification.



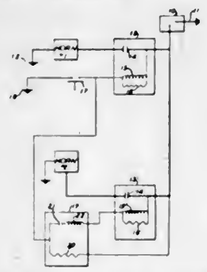
Discloses a method of making a magnetically split stator member for a dynamoelectric machine by providing a stationary core member formed of a plurality of relatively thin laminations of magnetic material having a yoke portion **3** with polar projections **4** extending radially inward. A transverse slot **5** is formed in each polar projection extending radially outward into the yoke, each slot substantially dividing the core member into two sections **6** and **7** with a bridge portion **8** joining the two sections at the base of the slots. Dovetail grooves **9** are formed in each side wall of each slot and non-magnetic molding material is injected into each slot to fill the dovetail grooves and substantially fill the slots. After this molding material has been solidified, a transverse cut **14** is made through each of the bridge portions **8** to completely divide the core into two magnetic sections. The molding surfaces of the molding fixture are so arranged as to form flanges **11** of molding material abutting the outside laminations on each side of the core member and completely covering the grooves **9** and slots **5**. The yoke portion **3** is provided with additional openings **12** into which non-magnetic molding material is also introduced with flanges **13** being formed abutting the outside laminations.

97,051. **PRESSURE RELIEF.** Magnus Unger, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York. Filed June 3, 1949. Published Jan. 22, 1952. Class 220—89. 1 sheet of drawings. 6 pages of specification.



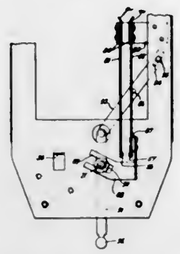
This application discloses a pressure relief device which is particularly applicable for mounting on a device having a relatively small surface area, such as a terminal box for an electrical apparatus. As shown in the drawing, the pressure relief device is mounted on side wall **4** of a terminal box and comprises a thin metallic diaphragm **3** which is positioned over an aperture in the side wall **4** of the box. The diaphragm member may be welded around its outer perimeter to the wall **4**. A groove **11** is positioned adjacent the edges of the diaphragm, the depth of the groove being such that the diaphragm will rupture at a predetermined pressure. One of the edges of the diaphragm is ungrooved so that the ungrooved edge may serve as a hinge when the diaphragm ruptures. Metal strip members **5**, **6**, **7** and **8** are positioned around the edges of the diaphragm outwardly of the groove **11**. The strips are preferably spot welded to the outer surface of the diaphragm and serve to reenforce the diaphragm, and to frame the rupturable portion of the diaphragm.

120,848. **WARNING DEVICE.** Lester L. Beltz, Walled Lake, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware. Filed Oct. 12, 1949. Published Jan. 22, 1952. Class 177—7. 1 sheet of drawings. 5 pages of specification.



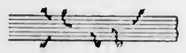
This application discloses a vehicular warning device comprising two separate horns. The first horn responds instantaneously to the depression of the horn control button and the second horn is activated by a thermal delay relay which operates after the lapse of a predetermined time interval after the depression of the horn control button. By this expedient the vehicle operator may employ either a short warning signal for ordinary purposes or a longer and more strident signal where the occasion demands.

140,266. **COMBINED ELECTRIC CLOCK AND THERMAL TIMER FOR COOKING APPLIANCES.** Joseph C. Worst, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York. Filed Jan. 24, 1950. Published Jan. 22, 1952. Class 99—328. 2 sheets of drawings. 21 pages of specification.



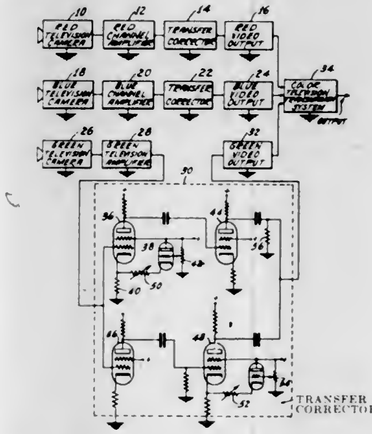
This application discloses an automatic electric toaster having a fixed minimum timer the starting of which is effected by thermostatic means which defines an initial toasting period of a length depending on the toaster temperature. The thermostatic means comprises a thermostatic element **82** which flexes to position itself and a contact **57** carried by it in a position depending upon initial toaster temperature and is clamped in such position by the toaster carriage when lowered to toasting position. Cooperating with contact **57** is a second contact **56** carried by a thermostatic element **81**. As the toaster heats bimetal **81** flexes to bring contact **56** into engagement with contact **57** to initiate operation of the fixed minimum timer, the time required depending on the distance between contacts **56** and **57**. Contact **57** may be adjusted manually by moving lever **91**.

159,934. **JOINT CONSTRUCTIONS FOR LAMINATED MAGNETIC CORES.** William C. Hurt, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York. Filed May 4, 1950. Published Jan. 22, 1952. Class 175—356. 1 sheet of drawings. 13 pages of specification.



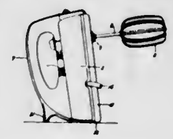
This application discloses various joint arrangements for a laminated magnetic core in accordance with which the joints for adjacent laminar layers are arranged in a repetitive sequence, with corresponding joints in each sequence being positioned along the same cross sectional line of the magnetic core. The joints in any given sequence are arranged so that the direction of stepping of each successive joint is opposite to the direction of stepping of the joint preceding it in the sequence. Successive joints within a given sequence are displaced by varying overlaps, any given overlap being substantially an integral multiple of the minimum overlap between any two joints. Thus, in the figure, which shows a 5-step joint sequence, joint **15** is displaced from joint **14** by a distance of 4L where L is the minimum displacement between any two joints. Joint **16** is then stepped in a reversed direction as compared to the stepping of joint **15** and is displaced from joint **15** by a distance of 3L; joint **17** again reverses the direction of stepping and is displaced from joint **16** by 2L; while joint **18** again reverses the direction of stepping and is displaced from joint **17** by 1L. Joint **18** is the last joint in the sequence and the sequence begins again with another joint **14**. This joint arrangement provides an increased total overlap from the beginning of one joint sequence to the beginning of another as compared to a repetitive joint sequence in which each joint is successively stepped in the same direction.

176,694. **WAVEFORM CORRECTION SYSTEMS AND METHOD.** Vernon J. Duke, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware. Filed July 29, 1950. Published Jan. 22, 1952. Class 178—44. 1 sheet of drawings. 9 pages of specification.



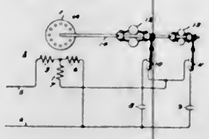
Gamma correction circuit. A first signal channel is adapted to reshape the positive extremities of an applied signal. A second signal channel is adapted to reshape the negative extremities of the applied signal. These two signal channels have a common input. The outputs of the two channels are combined to form a single signal channel.

201,897. **PORTABLE ELECTRIC MIXER.** Donald L. McFarland, Stratford, Conn., assignor to General Electric Company, a corporation of New York. Filed Dec. 21, 1950. Published Jan. 22, 1952. Class 259—135. 1 sheet of drawings. 10 pages of specification.



This application discloses a portable mixer having a gasket **13** of resilient material surrounding its base plate provided with rearwardly extending corner projections **19** which, with a rear handle projection **12**, provide a three point heel rest upon which the mixer may be up-ended.

211,062. **DYNAMOELECTRIC MACHINE.** Lawrence F. Hemphill, San Jose, Calif., assignor to General Electric Company, a corporation of New York. Filed Feb. 15, 1951. Published Jan. 22, 1952. Class 318—221. 1 sheet of drawings. 11 pages of specification.

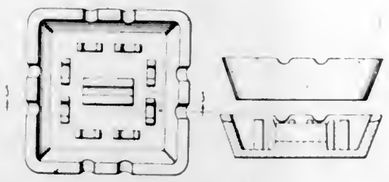


The application discloses a single-phase, alternating-current motor having a main winding circuit and a starting winding circuit. A first capacitor is arranged in series with the starting winding and a second capacitor is arranged in parallel with the first capacitor. Speed responsive switches are provided in series with each of the capacitors in order to remove the capacitors from the starting winding circuit. The switch associated with the first capacitor is arranged to remove the capacitor from the circuit at a first predetermined speed and the switch associated with the second capacitor is arranged to open the second capacitor at a higher speed. Thus both capacitors are in the circuit up to the first speed and the second capacitor remains in the circuit until the second speed is reached. After reaching the second speed, the motor operates as a straight single phase motor. When an extreme overload condition is encountered reducing the motor speed to the second predetermined value, the second capacitor is again connected in the circuit to provide the required value of breakdown torque.

DESIGNS

JANUARY 29, 1952

165,705
ASH TRAY
Alfred R. Albert, Chicago, Ill.
Application July 26, 1951, Serial No. 16,041
Term of patent 7 years
(Cl. D85—2)



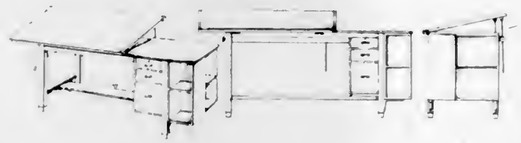
The ornamental design for an ash tray, substantially as shown.

165,706
OPHTHALMIC MOUNTING OR THE LIKE
Charles A. Baratelli, Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application October 13, 1951, Serial No. 16,932
Term of patent 14 years
(Cl. D57—1)



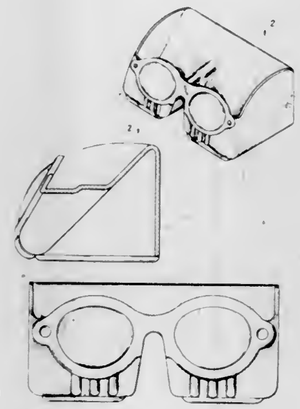
The ornamental design for an ophthalmic mounting or the like, substantially as shown and described.

165,707
COMBINED DRAFTING BOARD, REFERENCE TABLE AND CABINET
Carl Buehler, Palatine, Ill., assignor to Victor Adding Machine Co., Chicago, Ill., a corporation of Illinois
Application May 19, 1951, Serial No. 15,250
Term of patent 14 years
(Cl. D33—14)



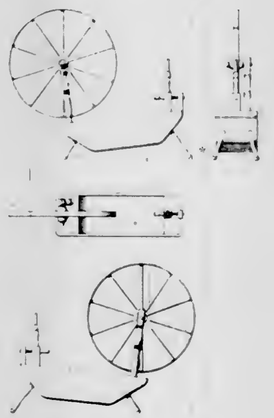
The ornamental design for a combined drafting board, reference table, and cabinet, substantially as shown and described.

165,708
EYEGLASS HOLDER
Janet Hauk Clark, Pasadena, Calif.
Application October 11, 1951, Serial No. 16,913
Term of patent 7 years
(Cl. D57—1)



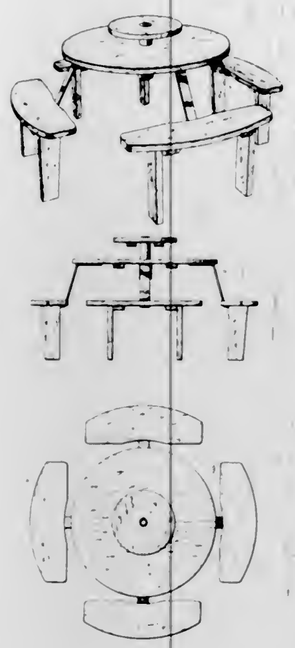
The ornamental design for an eyeglass holder, as shown.

165,709
PLANT RECEPTACLE
Paul T. Crane, New York, N. Y.
Application September 19, 1951, Serial No. 16,683
Term of patent 14 years
(Cl. D35—3)



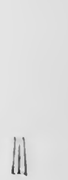
The ornamental design for a plant receptacle, as shown.

165,710
PATIO TABLE
Ray E. Currie and Hilbart F. Anderson, Oakland, Calif., assignors to Big Square Corporation, Oakland, Calif., a corporation of California
Application June 2, 1950, Serial No. 10,308
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a patio table, as shown.

165,711
CUP
Urban H. Despres, Clinton, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a national banking association, and William B. Nulty, Portland, Maine, trustees
Application May 2, 1949, Serial No. 2,384
Term of patent 14 years
(Cl. D44—9)



The ornamental design for a cup, substantially as shown and described.

165,712
COMBINATION BANK AND BOOK END
Edward Brown Fitzgerald, Chicago, Ill., assignor to Dodge, Incorporated, Chicago, Ill., a corporation of Illinois
Application January 10, 1951, Serial No. 13,730
Term of patent 14 years
(Cl. D34—11)



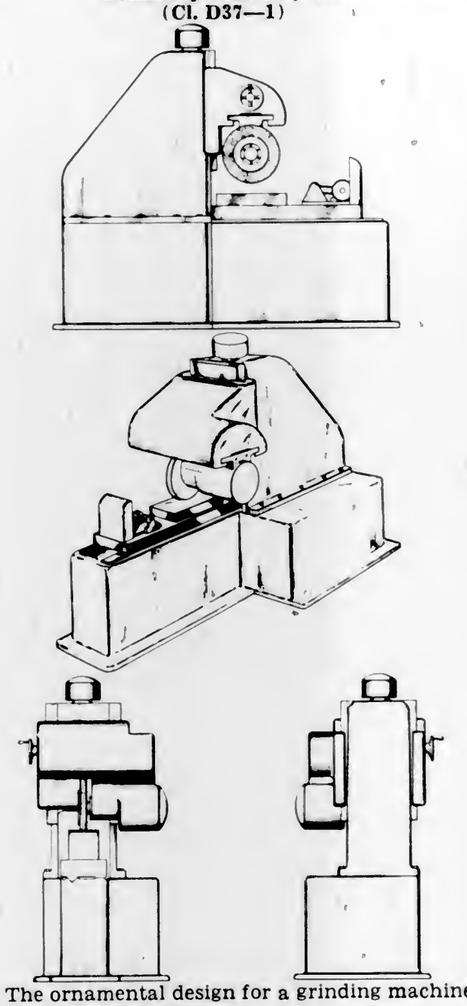
The ornamental design for a combination bank and book end, as shown.

165,713
SWEATER
Barnett D. Gordon, Brookline, Mass.
Application July 31, 1951, Serial No. 16,093
Term of patent 14 years
(Cl. D3—4)



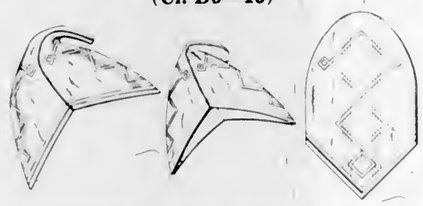
The ornamental design for a sweater, as shown and described.

165,714
GRINDING MACHINE
Edward C. Hanna, Waynesboro, Pa., assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application January 13, 1951, Serial No. 13,794
Term of patent 14 years
(Cl. D37—1)



The ornamental design for a grinding machine, substantially as shown.

165,715
HAT
Velma D. Johnson, Portland, Oreg.
Application February 10, 1947, Serial No. 136,819
Term of patent 14 years
(Cl. D3—13)



The ornamental design for a hat, as shown and described.

165,716
SANDAL
George S. Laham, Wichita, Kans.
Application March 17, 1951, Serial No. 14,528
Term of patent 14 years
(Cl. D7—7)



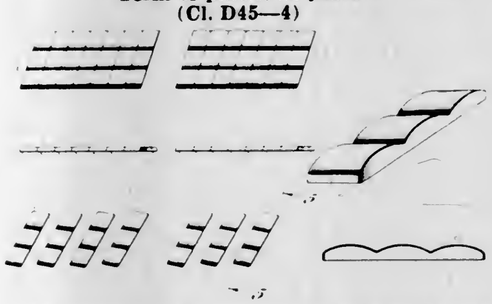
The ornamental design for a sandal, as shown and described.

165,717
CHAIR
Fred C. Maurer, East Palestine, Ohio, assignor to The Kenmar Manufacturing Company, East Palestine, Ohio, a corporation of Ohio
Application October 24, 1950, Serial No. 12,706
Term of patent 14 years
(Cl. D15—11)



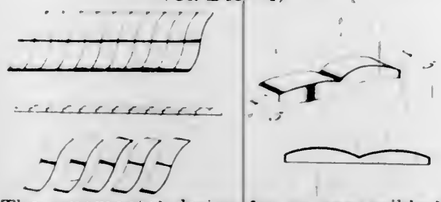
The ornamental design for a chair, as shown.

165,718
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Samuel Meyerson, Brooklyn, N. Y.
Application April 24, 1951, Serial No. 14,939
Term of patent 14 years
(Cl. D45—4)



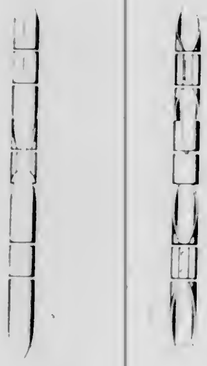
The ornamental design for an expansible link chain for a bracelet or the like, as shown and described.

165,719
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Samuel Meyerson, Brooklyn, N. Y.
Application June 18, 1951, Serial No. 15,587
Term of patent 14 years
(Cl. D45—4)



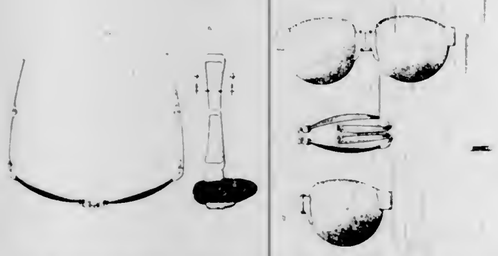
The ornamental design for an expansible link chain for a bracelet or the like, as shown and described.

165,720
WARNING SIGNAL
Maurice C. Pierce, Chicago, Ill.
Application July 13, 1951, Serial No. 15,855
Term of patent 14 years
(Cl. D72—1)



The ornamental design for a warning signal, as shown and described.

165,721
FOLDABLE SUNGLASSES
Morris Rand, New York, N. Y.
Application August 24, 1951, Serial No. 16,431
Term of patent 7 years
(Cl. D57—1)



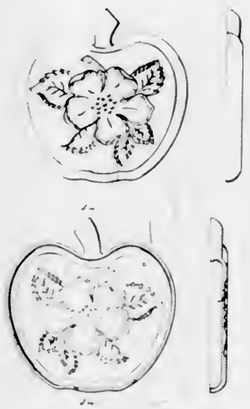
The ornamental design for foldable sunglasses, substantially as shown.

165,722
PLASTIC TABLE MAT
Miriam Rodier, New York, N. Y., assignor to Jack Sherman and Morris Post, doing business as Post and Sherman, New York, N. Y.
Application July 13, 1951, Serial No. 15,853
Term of patent 3½ years
(Cl. D92—26)



The ornamental design for a plastic table mat, as shown.

165,723
GLASS DISH
Paul Schneeloch, Brooklyn, N. Y.
Application April 22, 1950, Serial No. 9,428
Term of patent 14 years
(Cl. D36—2)



The ornamental design for a glass dish, as shown.

165,724
COMBINED LETTER SCALE, PAPER CLIPS, AND STAMP CONTAINER
Charles H. Strange, White Plains, N. Y.
Application August 25, 1951, Serial No. 16,439
Term of patent 7 years
(Cl. D74—1)



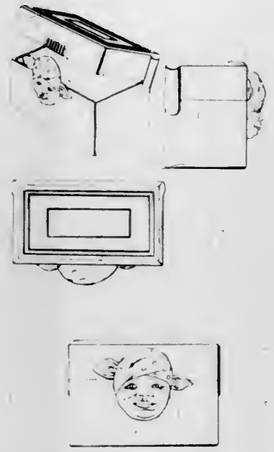
The ornamental design for a combined letter scale, paper clips, and stamp container, as shown.

165,725
DOLL OR SIMILAR ARTICLE
Jacob Swedlin, Rockville Centre, N. Y.
Application December 27, 1949, Serial No. 6,846
Term of patent 7 years
(Cl. D34—4)



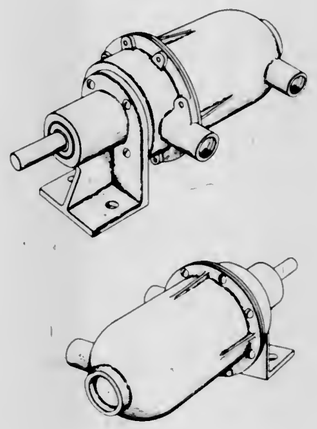
The ornamental design for a doll or similar article, substantially as shown.

165,726
BOX
Joseph R. Watkins, Dover, N. J., assignor to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application October 24, 1951, Serial No. 17,089
Term of patent 14 years
(Cl. D58—12.6)



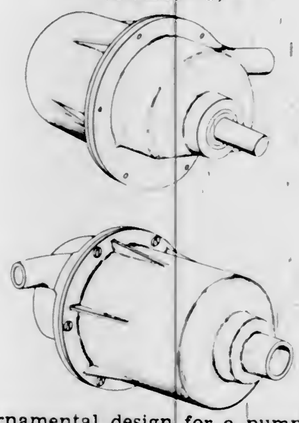
The ornamental design for a box, substantially as shown.

165,727
PUMP
George H. Zimmer, Jr., Springfield, Ohio, assignor to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application June 20, 1950, Serial No. 10,635
Term of patent 7 years
(Cl. D65—1)



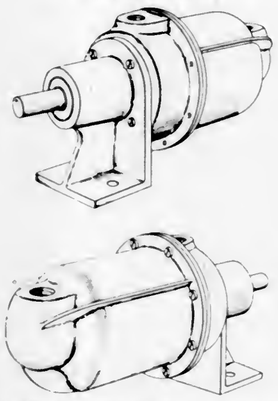
The ornamental design for a pump, as shown.

165,728
PUMP
George H. Zimmer, Jr., Springfield, Ohio, assignor to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application October 18, 1950, Serial No. 12,611
Term of patent 7 years
(Cl. D65—1)



The ornamental design for a pump, substantially as shown.

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George H. Zimmer, Jr., Springfield, Ohio, assignor to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application October 18, 1950, Serial No. 12,612
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The ornamental design for a pump, substantially as shown.

Official Gazette

UNITED STATES PATENT OFFICE

Containing the Patents, Trade-Marks, & Designs issued

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Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abco, Inc., McKeesport, Pa., formerly Apter Bros. & Co., Inc. Floor dressing compositions. Serial No. 610,159, Jan. 29. Class 16.

Adams Rite Manufacturing Company, Glendale, Calif. Door and drawer pulls. Serial No. 585,777, Jan. 29. Class 13.

Aderhold, George, doing business as The Saxonburg Potteries, Saxonburg, Pa. Producing ceramic, porcelain, and refractory articles to customer's specifications. Serial No. 585,006, Jan. 29. Class 106.

Aktiengeselischaft Chocolat Tobler, doing business as Chocolat Tobler, Limited, and Societe Anonyme Chocolat Tobler, Berne, Switzerland. Chocolate. Serial No. 572,823, Jan. 29. Class 46.

Albers Milling Company, Seattle, Wash., Portland, Oreg., and Oakland and Los Angeles, Calif. Cattle feed. Serial No. 574,128, Jan. 29. Class 46.

Aldridge, E. A., Inc., assignor to R. W. Bruce, Los Angeles, Calif. Metal containers filled with a combination of chemicals. Serial No. 599,922, Jan. 29. Class 6.

Allied Drugs, Inc., Hackensack, N. J. Medicinal tablet. Serial No. 579,248, Jan. 29. Class 18.

All-Sil Welding Metals, Inc., New York, N. Y. Metal hardening compositions. Serial No. 614,920, Jan. 29. Class 6.

All-Sil Welding Metals, Inc., New York, N. Y. Anti-spattering compositions for welding. Serial No. 614,921, Jan. 29. Class 6.

Altorfer Bros. Company, Peoria, Ill. Clothes washing machines and ironers. Serial No. 577,921, Jan. 29. Class 24.

American Fabrics Company, The, Bridgeport, Conn. Piece goods, luncheon sets, pillow cases, bed sheets, etc. Serial No. 595,932, Jan. 29. Class 42.

American Machine and Foundry Company, New York, N. Y. Drill chucks, tapping attachments and automatic bar stock holding chucks. Serial No. 564,919, Jan. 29. Class 23.

Apter Bros. & Co., Inc.: *See*—
Abco, Inc.

Armour and Company, doing business as Armour Creameries, Chicago, Ill. Ham and bacon. Serial No. 540,967, Jan. 29. Class 46.

Armour and Company, Chicago, Ill. Adrenocorticotropic compositions. Serial No. 614,124, Jan. 29. Class 18.

Armour Creameries: *See*—
Armour and Company.

Arrow Upholstery Company, The, New York, N. Y. Sofas, tailored chairs, divans, etc. Serial Nos. 603,429–31, Jan. 29. Class 32.

Atlantic Commission Company, Inc., New York, N. Y. Fresh vegetables, unpopped popcorn, fresh fruits, etc. Serial No. 613,624, Jan. 29. Class 46.

Atlas Mineral Products Company of Pennsylvania, The, Mertztown, Pa. Corrosion resistant cement. Serial No. 614,806, Jan. 29. Class 12.

Ateliers de Constructions Electriques de Charleroi, Brussels and Charleroi, Belgium. Electronic generators of electrical impulses. Serial No. 616,356, Jan. 29. Class 21.

Balaban and Katz Corporation, Chicago, Ill. Entertainment service. Serial No. 591,606, Jan. 29. Class 107.

Battle Creek Equipment Company, Battle Creek, Mich. Exercising machines. Serial No. 549,413, Jan. 29. Class 44.

Baur, O. P., Confectionery Company, The, Denver, Colo. Candy. Serial No. 576,896, Jan. 29. Class 46.

Behr-Manning Corporation, Troy, N. Y. Abrasives of both the flexible and inflexible type. Serial No. 574,337, Jan. 29. Class 4.

Bluette Co., The: *See*—
Henderson, Edmund M.

Bohn Aluminum & Brass Corporation, Detroit, Mich. Automobile engine parts. Serial No. 601,421, Jan. 29. Class 23.

Borg-Warner Corporation, Chicago, Ill. Washing machines, and parts thereof. Serial No. 618,619, Jan. 29. Class 24.

Brief Pub. Inc., New York, N. Y. Publication. Serial No. 613,628, Jan. 29. Class 38.

Briggs Filtration Company, The, Washington, D. C. Clarifiers of lubricating oils for engines, and oil clarifier refills. Serial No. 531,431, Jan. 29. Class 31.

Brno Arms Factory, National Corporation: *See*—
Zbrojovka Brno, Narodni Podnik.

Browning Crane & Shovel Company, The, Cleveland, Ohio. Mobile cranes and shovels. Serial No. 605,144, Jan. 29. Class 23.

Bruce, Robert W., assignee: *See*—
Aldridge, E. A., Inc.

Cadillac Toy Mfg. Co., Inc., assignee: *See*—
Cadillac Toy Mfg. Co.

Cadillac Toy Mfg. Co., assignor to Cadillac Toy Mfg. Co., Inc., New York, N. Y. Toy make-up or beauty kits. Serial No. 579,258, Jan. 29. Class 22.

Carmi Times Publishing Company, Carmi, Ill. Newspaper. Serial No. 610,001, Jan. 29. Class 38.

Carr-Consolidated Biscuit Company, Wilkes-Barre, Pa. Bakery products. Serial No. 600,209, Jan. 29. Class 46.

Chemical Manufacturing & Distributing Company, Easton, Pa. Insecticides, disinfectants, deodorants, etc. Serial No. 487,353, Jan. 29. Class 52.

Chemstrand Corporation, The, Philadelphia, Pa. Fabrics. Serial No. 586,621, Jan. 29. Class 42.

Chocolat Tobler, Limited: *See*—
Aktiengeselischaft Chocolat Tobler.

Columbia Broadcasting System, Inc., New York, N. Y. Radio program broadcasting services. Serial No. 545,447, Jan. 29. Class 104.

Columbia Broadcasting System, Inc., New York, N. Y. Radio program broadcasting services. Serial Nos. 545,449–50, Jan. 29. Class 104.

Columbia Broadcasting System, Inc., New York, N. Y. Radio program broadcasting services. Serial No. 545,452, Jan. 29. Class 104.

Consolidated Iron-Steel Mfg Co., The, Cleveland, Ohio. Screen door hinges. Serial No. 585,566, Jan. 29. Class 13.

Deering, Milliken & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 617,948, Jan. 29. Class 42.

Development Engineering Company: *See*—
Sturm, Leonard W.

Dickson Safety Products Co., Los Angeles, Calif. Gloves. Serial No. 615,765, Jan. 29. Class 39.

Dow Chemical Company, The, Midland, Mich. Preparation to control the preharvest drop of apples. Serial No. 617,080 Jan. 29. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compound. Serial No. 614,545, Jan. 29. Class 6.

Early, Charles, & Co. Limited, Witney, England. Wool blankets. Serial No. 597,952, Jan. 29. Class 42.

Eastman Oil Well Survey Company, Denver, Colo. Directional drilling, core orienting, and oil well surveys. Serial No. 552,644, Jan. 29. Class 103.

Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. Serial No. 595,596, Jan. 29. Class 22.

Fancourt, W. F., Co., Philadelphia, Pa. Chemical preparation. Serial No. 615,170, Jan. 29. Class 6.

Firestone Tire & Rubber Company, The, Akron, Ohio. Plastic film. Serial No. 584,902, Jan. 29. Class 42.

Fleischman, M. R., Co., San Francisco, Calif. Ladies' sportswear. Serial No. 602,315, Jan. 29. Class 39.

Flotill Products, Incorporated, Stockton, Calif. Canned and peeled tomatoes. Serial No. 535,017, Jan. 29. Class 46.

Food Machinery and Chemical Corporation, San Jose, Calif. Reciprocating pumps. Serial No. 586,408, Jan. 29. Class 23.

Freeman Drug Products: *See*—
Freeman, Helen.

Freeman, Helen, doing business under the firm name and style of Freeman Drug Products, New York, N. Y. Medicinal preparation. Serial No. 614,986, Jan. 29. Class 18.

Fulbright Laboratories, Inc., Charlotte, N. C. Chemical composition. Serial No. 607,013, Jan. 29. Class 52.

Garrett, John E., Inc., Malden, Mass. Mechanical rug hookers, rug hooks, and rug frames. Serial No. 593,113, Jan. 29. Class 23.

Gaw-O'Hara Envelope Co., Chicago, Ill. Mailing, correspondence, and filing envelopes, letterheads, billheads, etc. Serial No. 545,841, Jan. 29. Class 37.

General Dyestuff Corporation, New York, N. Y. Chemical substances, compounds, and compositions. Serial No. 614,768, Jan. 29. Class 6.

Geneva Modern Kitchens, Inc., Geneva, Ill. Wall cabinets, floor cabinets, doors. Serial No. 587,104, Jan. 29. Class 32.

Glaze-All Corporation, Chicago, Ill. Auto cleaning and glazing wax. Serial No. 596,224, Jan. 29. Class 52.

Graflex, Inc., Rochester, N. Y. Photographic apparatus. Serial No. 571,210, Jan. 29. Class 26.

Grove Laboratories, Inc., The, St. Louis, Mo. Antihistaminic drug preparation. Serial No. 592,997, Jan. 29. Class 18.

Halben Food Manufacturing Co., Inc., St. Louis, Mo. Barbecue sauce, salad dressing, sandwich spread, etc. Serial No. 615,551, Jan. 29. Class 46.

Halfhill Company, The, Los Angeles, Calif. Canned tuna. Serial No. 564,724, Jan. 29. Class 46.

Hamilton Feature Service: *See*—
Rousseau, William H., Jr.

Harlem-Adler & Co., Inc., New York, N. Y. Buckles, zipper pulls, buttons, dress studs, and dress links. Serial No. 572,175, Jan. 29. Class 40.

Harley and Hunzicker, doing business under the name of Kool Kooshion Mfg. Co., Oklahoma City, Okla. Fabricated cushions. Serial No. 610,516, Jan. 29. Class 32.

Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles and structural parts therefor. Serial No. 613,223, Jan. 29. Class 19.

Heli-Coil Corporation, Danbury, Conn. Gages. Serial No. 611,425, Jan. 29. Class 26.

Henderson, Edmund M., doing business under the firm name and style of The Bluette Co., Ocean City, N. J. Crisp cheese filled toasted appetizers. Serial No. 606,975, Jan. 29. Class 46.

Hickmott Canning Co., Antioch, Calif. Canned asparagus. Serial No. 587,487, Jan. 29. Class 46.

Hi-Flier Manufacturing Company, The, Decatur, Ill. Kites. Serial No. 603,012, Jan. 29. Class 22.

Holsum Products: *See*—
Jewett & Sherman Company.

Hudnut, Richard, New York, N. Y. Hair waving lotion. Serial No. 565,624, Jan. 29. Class 51.

Hygrotrol Corporation, San Jose, Calif. Services rendered on a contract basis to airports and food growers. Serial Nos. 580,366–7, Jan. 29. Class 100.

Industrial Chemical Products Co., Detroit, Mich. Slightly acid mixture of metallic phosphates and wetting agents. Serial No. 585,847, Jan. 29. Class 52.

Industrial Rayon Corporation, Cleveland, Ohio. Rayon tire cord fabric. Serial No. 590,084, Jan. 29. Class 42.

Insul-Mastic Corporation of America, Pittsburgh, Pa. Protective coatings having a base of gilsonite and asphalt. Serial No. 605,455, Jan. 29. Class 12.

Interchemical Corporation, New York, N. Y. Oilcloth. Serial No. 613,642, Jan. 29. Class 20.

International Paper Company, New York, N. Y. Groundwood printing paper. Serial No. 611,029, Jan. 29. Class 37.

International Salt Company, Scranton, Pa. Salt. Serial No. 564,689, Jan. 29. Class 46.

Jenson & Nicholson Limited, Stratford, London, England. Ready mixed gloss paints, undercoat paints, enamels, etc. Serial No. 589,095, Jan. 29. Class 16.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Perfume. Serial No. 613,406, Jan. 29. Class 51.

Jewett & Sherman Company, doing business as Holsum Products, Milwaukee, Wis. Honey, salad dressing, prepared mustard, etc. Serial No. 607,818, Jan. 29. Class 46.

Kaiser Steel Corporation, Oakland, Calif. Cold rolled steel strip and sheet and hot rolled steel strip, sheet and plate, bars and structural shapes. Serial No. 603,687, Jan. 29. Class 14.

Kamkap, Inc., New York, N. Y. Toy cash register. Serial No. 602,154, Jan. 29. Class 22.

Kashins, Lou, New York, N. Y. Wooden and plastic receptacle. Serial No. 566,152, Jan. 29. Class 2.

Kaufmann Department Stores: *See*—
May Department Stores Company, The.

Kell Lock Co., Inc., Charlestown, N. H. Door lock sets and parts thereof, locks, and keys. Serial No. 521,262, Jan. 29. Class 25.

Kool Kooshion Mfg. Co.: *See*—
Harley and Hunzicker.

Kremers-Urban Company, Milwaukee, Wis. Cutaneous vasoconstrictor. Serial No. 614,948, Jan. 29. Class 18.

Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Rubber hose and rubber and fabric hose, elevator belt, etc. Serial No. 616,655, Jan. 29. Class 35.

Lehigh Furniture Company, Easton, Pa. Play pens. Serial No. 579,692, Jan. 29. Class 32.

Lewis, David, Inc., St. Louis, Mo. Women's lingerie. Serial No. 613,925, Jan. 29. Class 39.

Lindt & Sprungli, Inc., New York, N. Y. Chocolate candy. Serial No. 605,750, Jan. 29. Class 46.

Magnatex Limited, Harlington, England. Motor vehicle accessories. Serial No. 600,495, Jan. 29. Class 19.

Makers of Kal, Inc., Los Angeles, Calif. Vitamin C and rutin. Serial No. 613,932, Jan. 29. Class 18.

Manheim Manufacturing & Belting Company, Manheim, Pa. Power transmission belting. Serial No. 616,638, Jan. 29. Class 35.

Marco Company, Inc., Wilmington, Del. Pipe couplings. Serial No. 608,615, Jan. 29. Class 13.

May Department Stores Company, The, St. Louis, Mo., doing business as Kaufmann Department Stores, Pittsburgh, Pa. Ladies' and misses' ready-to-wear clothing. Serial No. 565,443, Jan. 29. Class 39.

McGraw Electric Company, Elgin, Ill. Grids for cooking devices. Serial No. 591,940, Jan. 29. Class 21.

Merchandising Displays, Inc., Colorado Springs, Colo. Phonograph record display racks. Serial No. 612,460, Jan. 29. Class 32.

Miller Freeman Publications, Inc., Seattle, Wash. Magazine. Serial No. 507,268, Jan. 29. Class 38.

Moore, E. R., Company, Chicago, Ill. Piece goods. Serial No. 585,342, Jan. 29. Class 42.

Nash, Walter J., doing business under the name and style of Wanasco Laboratories, Omaha, Nebr. Hand lotions and skin fresheners. Serial No. 608,212, Jan. 29. Class 51.

National Aluminate Corporation, Chicago, Ill. Algaecides. Serial No. 613,852, Jan. 29. Class 6.

Nelson Doubleday, Inc., Garden City, N. Y. Books. Serial No. 572,515, Jan. 29. Class 38.

North American Rubber Corporation, Los Angeles (South Gate), Calif. Auxiliary automobile cushions and chair pads. Serial No. 600,783, Jan. 29. Class 32.

Northwest Public Power Association, The, Vancouver, Wash. Informational services. Serial No. 580,090, Jan. 29. Class 100.

Oilgear Company, The, Milwaukee, Wis. Valves. Serial Nos. 607,186–7, Jan. 29. Class 13.

Orlando, J., Co. Inc., New York, N. Y. Olive oil. Serial No. 569,008, Jan. 29. Class 46.

Orna Metal Products Co., St. Louis, Mo. Metal office furniture. Serial No. 612,820, Jan. 29. Class 32.

Oxman, Emanuel, doing business as Philadelphia Hat Company, Philadelphia, Pa. Ladies' millinery. Serial No. 567,425, Jan. 29. Class 39.

Pacific Mills, Boston, Mass., and New York, N. Y. Woolen fabrics in the piece. Serial No. 618,212, Jan. 29. Class 42.

Parfums Forvil & Dentifrices du Docteur Pierre Reunis, Societe Anonyme, Nanterre (Seine), France. Hair cream. Serial No. 614,641, Jan. 29. Class 51.

Parkleigh Fashions, Inc., New York, N. Y. Ladies' and misses' suits and coats. Serial No. 566,643, Jan. 29. Class 39.

Pelton's Spudnuts, Incorporated, Salt Lake City, Utah. Plain and iced doughnuts, twists, bismarks, etc. Serial No. 566,441, Jan. 29. Class 46.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Chemical. Serial No. 591,797, Jan. 29. Class 6.

Pep Boys—Manny, Moe & Jack, The, doing business as Varsity Products Co., Philadelphia, Pa. Auto soap, dressing for cleaning and treating brake bands, and rain spot removers. Serial No. 596,941, Jan. 29. Class 52.

Peters, Mary W., Boulder, Colo. Dolls. Serial No. 614,714, Jan. 29. Class 22.

Petroleum Distributing Company, Houston, Tex., formerly known as Standard Oil Sales Co. Tool joint compound. Serial No. 575,445, Jan. 29. Class 15.

Pharmaceuticals, Inc., Newark, N. J. Preparation for the treatment of colds. Serial No. 604,802, Jan. 29. Class 18.

Philadelphia Hat Company: *See*—
Oxman, Emanuel.

Pierre, Dr., Chemical Company, Chicago, Ill. Tablets which produce a refreshing and antiseptic solution when mixed with water and used as a vaginal douche. Serial No. 605,763, Jan. 29. Class 18.

Pioneer Salt Company, Philadelphia, Pa. Salt used for melting ice and snow. Serial No. 583,216, Jan. 29. Class 6.

Plaut & Lederman, Chicago, Ill. Folding metal tables, folding steel chairs and metal serving carts. Serial No. 604,803, Jan. 29. Class 32.

Poirette Corsets, Inc., New York, N. Y. Corsets, girdles, brassières, and combinations of brassières and girdles. Serial Nos. 614,161–2, Jan. 29. Class 39.

Pola-Ray Projection Screen Company, Inc., Pasadena, Calif. Projection screens. Serial No. 598,431, Jan. 29. Class 26

Polychrome Corporation, Yonkers, N. Y. Fluids for use in correcting stencils, stencils, and styluses. Serial No. 584,249, Jan. 29. Class 37.

Port Huron Sulphite & Paper Co., Port Huron, Mich. Paper and paper products. Serial No. 531,839, Jan. 29. Class 37.

Porter Paint Company, Louisville, Ky. Enamels, asphalt roof coatings, etc. Serial No. 591,585, Jan. 29. Class 16.

Publishers' Paper Co., Oregon City, Oreg. Paper towels and bathroom tissue. Serial No. 614,466, Jan. 29. Class 37.

Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car axle drive power take-off units and parts thereof. Serial No. 605,268, Jan. 29. Class 23.

Pulva Corporation, Perth Amboy, N. J. Hammermills, disintegrating machines, granulating machines, etc. Serial No. 594,233, Jan. 29. Class 23.

Pyrok Limited, London, England. Machines for pumping, spraying, smoothing and tamping cementitious materials. Serial No. 614,786, Jan. 29. Class 23.

Radio Advertiser's Guild, The: *See*—
Sause, Peter H.

Reed Roller Bit Company, Houston, Tex. Pneumatic drills. Serial No. 582,142, Jan. 29. Class 23.

Reinhardt, Donald S., New York, N. Y. Instructing in the playing of musical brass instruments. Serial No. 585,604, Jan. 29. Class 107.

Republic Rubber Division: *See*—
Lee Rubber & Tire Corporation.

Revlon Products Corporation, New York, N. Y. Nail enamel and lipstick. Serial Nos. 611,488–9, Jan. 29. Class 51.

Rex Corporation, The, Cambridge, Mass. Electrical plastic insulating materials. Serial No. 607,684, Jan. 29. Class 21.

Rife-Loth Corporation, Waynesboro, Va. Cast metal ash trays and cigarette servers. Serial No. 586,013, Jan. 29. Class 8.

Rockhill Radio, New York, N. Y. Entertainment service. Serial No. 611,724, Jan. 29. Class 107.

Rockwell Manufacturing Company, Pittsburgh, Pa. Valve lubricating greases. Serial No. 611,538, Jan. 29. Class 15.

Ropher Tackle Company, The: *See*—
Townsend, Leroy E.

Rousseau, William H., Jr., doing business as Hamilton Feature Service, Orangeburg, S. C. Newspaper feature. Serial No. 615,725, Jan. 29. Class 38.

Royal Metal Manufacturing Company, Chicago, Ill. Simulated leather of plastic material. Serial No. 600,788, Jan. 29. Class 50.

Rudiger-Lang Co., Berkeley, Calif. Window screens. Serial No. 537,733, Jan. 29. Class 12.

Sause, Peter H., doing business under the film names and styles of The Radio Advertiser's Guild and Peter H. Sause Enterprises, New York, N. Y. Producing for radio broadcasting stations a series of radio programs, etc. Serial No. 526,517, Jan. 29. Class 101.

Sause, Peter H., Enterprises: *See*—
Sause, Peter H.

Saxonburg Potteries, The: *See*—
Aderhold, George.

Sayman Products Company, St. Louis, Mo. Toilet soaps, vegetable soap, lanolated soap, etc. Serial No. 557,961, Jan. 29. Class 4.

Schramm, Inc., West Chester, Pa. Tractors. Serial No. 596,868, Jan. 29. Class 23.

Sharples Chemicals Inc., Philadelphia, Pa. Vulcanization accelerators. Serial No. 614,575, Jan. 29. Class 6.

Sharples Chemicals Inc., Philadelphia, Pa. Vulcanization accelerators. Serial No. 614,577, Jan. 29. Class 6.

Sharples Chemicals Inc., Philadelphia, Pa. Vulcanization accelerators. Serial No. 614,635, Jan. 29. Class 6.

Sheppard, C. E., Company, The, Long Island City, N. Y. Accounting boards. Serial No. 612,517, Jan. 29. Class 37.

Shifman Bros., Newark, N. J. Mattresses. Serial No. 600,920, Jan. 29. Class 32.

Smith, Kline & French Laboratories, Philadelphia, Pa. Antibiotic preparation. Serial No. 614,905, Jan. 29. Class 18

Smith, Kline & French Laboratories, Philadelphia, Pa. Effervescent antibiotic preparation. Serial No. 614,906, Jan. 29. Class 18.

Smith, Samuel R., Portland, Oreg. Diving boards. Serial No. 612,711, Jan. 29. Class 22.

Societe Anonyme André Citroën, Paris, France. Automotive vehicles. Serial No. 569,016, Jan. 29. Class 19.

Societe Anonyme André Citroën, Paris, France. Automotive vehicles. Serial No. 569,018, Jan. 29. Class 19.

Societe Anonyme Chocolat Tobler: *See*—
Aktiengesellschaft Chocolat Tobler.

Societe Anonyme des Ciments Portland Artificiele Belges d'Harmignies, Brussels, Belgium. Powdered limestone and chalk. Serial No. 593,505, Jan. 29. Class 1.

Sporting Enterprises, Boston, Mass. Boxing helmets. Serial No. 608,256, Jan. 29. Class 22.

Sun Chemical Corporation, Long Island City, N. Y. Aldehyde—containing chemical compositions. Serial No. 616,457, Jan. 29. Class 6.

Standard Oil Sales Co.: *See*—
Petroleum Distributing Company.

Stokes, F. J., Machine Company, Philadelphia, Pa. Chemical and pharmaceutical apparatus. Serial No. 548,196, Jan. 29. Class 23.

Strong, Cobb and Company, Inc., Cleveland, Ohio. Medicinal preparation. Serial No. 614,855, Jan. 29. Class 18.

Sturm, Leonard W., doing business as Development Engineering Company, Decatur, Ill. Negative film developer. Serial No. 598,967, Jan. 29. Class 6.

Stylon Corporation, Boston, Mass. Periodically issued house organ. Serial No. 613,744, Jan. 29. Class 38.

Takamine Laboratory, Inc., Clifton, N. J. Dry cleaning soap compound. Serial No. 598,760, Jan. 29. Class 52.

Technicon Company, The, New York, N. Y. Preparations or histological reagents. Serial No. 613,147, Jan. 29. Class 6.

Tee-Vee Toys, Inc., Cambridge, Mass. Toys. Serial No. 618,064, Jan. 29. Class 22.

Textileather Corporation, Toledo, Ohio. Coated fabrics and resinous sheet material. Serial No. 611,623, Jan. 29. Class 50.

Townsend, Leroy E., doing business under the fictitious name, The Ropher Tackle Company, West Los Angeles, Calif. Artificial fishing lures. Serial No. 618,661, Jan. 29. Class 22.

Trinidad Lake Petroleum Company, Limited, The, Brighton, Trinidad, British West Indies. Road oil. Serial No. 592,851, Jan. 29. Class 12.

Tube-Kote, Inc., Houston, Tex. Applying a plastic base covering to both new and used mechanical devices. Serial No. 582,151, Jan. 29. Class 106.

Tuna, Inc., Moss Point, Miss. Canned tuna fish. Serial No. 603,171, Jan. 29. Class 46.

United Aircraft Products, Inc., Dayton, Ohio. Metal pans. Serial No. 574,170, Jan. 29. Class 13.

United Metal Box Co., Inc., Brooklyn, N. Y. Cabinets. Serial Nos. 593,249–50, Jan. 29. Class 32.

U. S. Slicing Machine Company, Inc., La Porte, Ind. Weighing and computing scales. Serial No. 588,339, Jan. 29. Class 26.

United Wallpaper, Inc., Chicago, Ill. Wallpaper. Serial No. 614,674, Jan. 29. Class 37.

Universal Oil Products Company, Chicago, Ill. Solid catalyst. Serial No. 605,933, Jan. 29. Class 6.

Varsity Products Co.: See
Pep Boys—Manny, Moe & Jack, The.

Vest, Peter, Sales Corporation, New York, N. Y. Lipstick, foundation cream, cream rouge, etc. Serial Nos. 613,658–9, Jan. 29. Class 51.

Viking Products, Vicksburg, Mich. Electric welding guns. Serial No. 609,062, Jan. 29. Class 21.

Vinco Corporation, Detroit, Mich. Work Indexing fixtures. Serial No. 612,521, Jan. 29. Class 23.

Vitafreze Corporation, Sacramento, Calif. Water ice confections. Serial No. 595,178, Jan. 29. Class 46.

Vitamix Corporation, Philadelphia, Pa. Anti-histamine. Serial No. 595,019, Jan. 29. Class 18.

Wagner, George R., Creswell, Oreg. Entertainment service. Serial No. 556,499, Jan. 29. Class 107.

Waldoe Handicrafters, Watsontown, Pa. Ash trays. Serial No. 614,797, Jan. 29. Class 8.

Walker, Crosweller & Company Limited, Cheltenham, Gloucestershire, England. Pipe line fittings. Serial No. 606,590, Jan. 29. Class 13.

Walker Laboratories, Inc.: *See*
Walker Vitamin Products, Inc.

Walker Vitamin Products, Inc., Mount Vernon, N. Y., now by change of name Walker Laboratories, Inc. Pharmaceutical preparation. Serial No. 613,748, Jan. 29. Class 18.

Wanasco Laboratories: *See*
Nash, Walter J.

Wasco Flashing Co., Cambridge, Mass. Electro-sheet copper bonded on one side with asphalt to creped, reinforced and waterproof kraft paper. Serial No. 603,096, Jan. 29. Class 12.

White Laboratories, Inc., Newark, N. J. Preparations containing antibiotic—sulfonamide mixtures in the form of troches. Serial No. 605,622, Jan. 29. Class 18.

Whiting Corporation, Harvey, Ill. Rail traction vehicle. Serial No. 612,570, Jan. 29. Class 19.

Whitney Sporting Goods Company, The, Denver, Colo. Fishing lines, fishing rods and fishing creels. Serial No. 604,676, Jan. 29. Class 22.

Wolfe, Roy B., Danville, Ill. Slide rules. Serial No. 581,920, Jan. 29. Class 26.

Wood, G. H., & Company, Limited, Toronto, Ontario, Canada. Antiseptic soap preparation. Serial No. 614,476, Jan. 29. Class 52.

Woodcroftery Shops, Inc., The, Wayland, N. Y. Plain and decorated woodenware. Serial No. 589,493, Jan. 29. Class 2.

Workroom Associates, Inc., Chicago, Ill. Business and management consultation and planning services. Serial No. 573,292, Jan. 29. Class 101.

Wright & McGill Co., Denver, Colo. Fish hooks. Serial No. 609,581, Jan. 29. Class 22.

Yarnall-Waring Company, Philadelphia, Pa. Steam traps. Serial No. 617,468, Jan. 29. Class 13.

Youngstown Industries, Inc., Girard, Ohio. Vertical Venetian type window blinds. Serial No. 604,678, Jan. 29. Class 32.

Zbrojovka Brno, Narodni Podnik, also named Brno Arms Factory, National Corporation, Brunn, Czechoslovakia. Tractors and parts thereof, ball bearings and roller bearings, etc. Serial No. 572,789, Jan. 29. Class 23.

LIST OF REGISTRANTS OF TRADE-MARKS

Aero Neck Band & Collar Co, Inc., New York, N. Y. Men's and boys' blouses, collars, shirts, 291,645, renewed Feb. 23, 1952. O. G. Jan. 29. Class 39.

Ahrens, Thomas H., New York, N. Y. Entertainment service. 554,297, Jan. 29; Serial No. 594,242, published Nov. 6, 1951. Class 107.

Air Reduction Company, Incorporated: *See*—
Air Reduction Sales Company.

Air Reduction Sales Company, to Air Reduction Company, Incorporated, New York, N. Y. Welding rods. 288,570, renewed Nov. 3, 1951. O. G. Jan. 29. Class 14.

Allied Chemical & Dye Corporation, New York, N. Y. Detergent. 554,201, Jan. 29; Serial No. 590,477, published Oct. 30, 1951. Class 52.

Alpha Phi International Fraternity, Baltimore, Md., to Alpha Phi International Fraternity, Evanston, Ill. Pins, badges and rings. 292,054, renewed Mar. 1, 1952. O. G. Jan. 29. Class 28.

American Machine & Foundry Company, New York, N. Y. Bottoms, bases, and inserts adapted to be attached to the bases of bowling pins, etc. 554,195, Jan. 29; Serial No. 588,673, published Nov. 6, 1951. Class 22.

Anders Chemical Company, assignee: *See*
Anders Chemical Corporation.

Anders Chemical Corporation, assignor to Alex: F. W. Olze, doing business as Anders Chemical Company, East Rutherford, N. J. Pigmented emulsion printing paste. 554,213, Jan. 29; Serial No. 595,528, published Sept. 4, 1951. Class 11.

Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Flexible asphaltic coating compound. 554,153, Jan. 29; Serial No. 558,441, published Nov. 6, 1951. Class 16.

Armour and Company, Chicago, Ill. Liquid glue. 554,234, Jan. 29; Serial No. 601,705, published Oct. 16, 1951. Class 5.

Atkins, E. C., and Company, Indianapolis, Ind. Saws. 82,950, re-renewed Aug. 8, 1951. O. G. Jan. 29. Class 23.

Attorney General of the United States, Vested in the: *See*
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler.

Automatic Baseball Equipment Corporation, Baltimore, Md. Automatic baseball pitching machines. 554,293, Jan. 29; Serial No. 616,891, published Nov. 6, 1951. Class 22.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Automatic sprinkler apparatus and parts thereof. 554,191, Jan. 29; Serial No. 586,906, published Nov. 6, 1951. Class 13.

Bacharach Industrial Instrument Company, Pittsburgh, Pa. Engine compression gauges. 554,299, Jan. 29; Serial No. 557,490. Class 26.

Baker Brush Co., Inc., New York, N. Y. Paint brushes. 554,163, Jan. 29; Serial No. 574,270, published Sept. 4, 1951. Class 29.

Barlow & Seelig Mfg. Co., to Speed Queen Corporation, Ripon, Wis. Laundry washing machines. 281,149, renewed Mar. 10, 1951. O. G. Jan. 29. Class 24.

Barton Salt Company, The: *See*
Texaco Salt Products Company.

Beacon Importing Co., Boston, Mass. Canned salmon. 397,323, Sept. 1, 1942. Republished Jan. 29. Class 46.

Beacon Importing Co., Boston, Mass. Canned salmon. 397,810, Sept. 22, 1942. Republished Jan. 29. Class 46.

Beacon Importing Co., Boston, Mass. Canned fish. 408,561, Aug. 15, 1944. Republished Jan. 29. Class 46.

Beacon Importing Co., Boston, Mass. Canned fish. 408,923, Sept. 5, 1944. Republished Jan. 29. Class 46.

Becker, Henry, & Son, Inc., Roseland, N. J. Milk and cream, butter, eggs, etc. 292,115, renewed Mar. 1, 1952. O. G. Jan. 29. Class 46.

Belch, Paul F., Company, Bloomington, Ill. Confections and chocolates. 84,811, re-renewed Jan. 9, 1952. O. G. Jan. 29. Class 46.

Benner Co., The: *See*
Streator Canning Company

Berrisford, Geraldine K., doing business as Dee Medical Supply Company, St. Paul, Minn. Therapeutic appliances. 554,197, Jan. 29; Serial No. 589,556, published Oct. 16, 1951. Class 44.

Bever Chemical Works, by Olo Soap Company, Inc., Beaver Dam, Wis. Powdered soap, paste soap, and a powdered general cleaning compound. 294,475, May 31, 1932. Republished Jan. 29. Class 52.

Binney & Smith Company, New York, N. Y. Painting powder. 554,268, Jan. 29; Serial No. 609,356, published Oct. 30, 1951. Class 16.

Björneborgs Tändsticksfabriks Aktiebolag, Pori, Finland. Matches. 554,270, Jan. 29; Serial No. 609,472, published Oct. 30, 1951. Class 9.

Blum, Chase, doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Reading, Ohio. Weatherstrip like material. 554,183, Jan. 29. Serial No. 584,791, published Oct. 9, 1951. Class 12.

Boston Woven Hose and Rubber Company, Cambridge, Mass. V-belts. 554,167, Jan. 29; Serial No. 577,362, published Oct. 30, 1951. Class 35.

Breck, John H., Inc., Springfield, Mass. Shampoo preparations, liquid hair cleansers, etc. 554,181, Jan. 29; Serial No. 584,383, published Oct. 16, 1951. Class 52.

Breinig Brothers, Inc., Hoboken, N. J. Varnishes, lacquers, wood sealers, etc. 554,142, Jan. 29; Serial No. 530,802, published Oct. 23, 1951. Class 16.

Broderick & Bascom Rope Company, St. Louis, Mo. Preformed wire rope. 292,388, renewed Mar. 15, 1952. O. G. Jan. 29. Class 7.

Brotman Engineering Company: *See*
Brotman, Hyman D.

Brotman, Hyman D., doing business os Brotman Engineering Company, Base Line, Mich. Laundry washing machines. 554,208, Jan. 29; Serial No. 592,697, published Nov. 13, 1951. Class 24.

Brunswick Balke Collender Company, The, Chicago, Ill. Steel wool. 554,232, Jan. 29; Serial No. 601,422, published Oct. 16, 1951. Class 4.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black to be used as a pigment in paints etc. 554,206, Jan. 29; Serial No. 592,300, published Oct. 30, 1951. Class 16.

Caldwell Seed Company, to R. C. Fonder, doing business as Permalawn Products Co., Evanston, Ill. Fertilizers. 340,201, Nov. 3, 1936. New certificate. O. G. Jan. 29. Class 10.

Caldwell Seed Company, to R. C. Fonder, doing business as Permalawn Products Co., Evanston, Ill. Lawn seed. 341,084, Dec. 1, 1936. New certificate. O. G. Jan. 29. Class 1.

California Fruit Exchange, Sacramento, Calif. Fresh cherries, apricots, peaches, etc. 92,532, July 15, 1913. Republished Jan. 29. Class 46.

California Fruit Exchange, Sacramento, Calif. Fresh fruits. 123,687, Dec. 3, 1918. Republished Jan. 29. Class 46.

California Fruit Exchange, Sacramento, Calif. Fresh cherries, apricots, peaches, etc. 222,774, Jan. 11, 1927. Republished Jan. 29. Class 46.

California Fruit Exchange, Sacramento, Calif. Fresh cherries, apricots, peaches, etc. 224,869, Mar. 8, 1927. Republished Jan. 29. Class 46.

California Fruit Exchange, Sacramento, Calif. Fresh deciduous fruits. 433,767, Oct. 28, 1947. Republished Jan. 29. Class 46.

Carbolineum Wood Preserving Company, New York, N. Y., by Protexol Corporation, Kenilworth, N. J. Wood preservatives. 121,868, June 11, 1918. Republished Jan. 29. Class 6.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Asbestos insulation material. 554,151, Jan. 29; Serial No. 556,409, published Oct. 9, 1951. Class 12.

Caron Corporation: *See*—
Daltroff, E., & Cie.

Carpenter Steel Company, The: *See*—
Webb Wire Works, The.

Carufel, L. H., Co., Bismarck, N. Dak. Miniature or toy seed testers. 554,239, Jan. 29; Serial No. 602,999, published Oct. 16, 1951. Class 22.

Cetylite Industries, Inc., New York and Long Island City, N. Y. Antiseptic and disinfecting agent. 554,256, Jan. 29; Serial No. 608,238, published Oct. 9, 1951. Class 18.

Champion Paper and Fibre Company, The, Hamilton, Ohio. Turpentine. 554,164, Jan. 29; Serial No. 574,894, published Oct. 30, 1951. Class 16.

Chase Industrial Refrigerator Equipment & Engineering Co.: *See*—
Blum, Chase.

Chattanooga Medicine Co., by The Chattanooga Medicine Company, Chattanooga, Tenn. Liver medicine. 84,900, Jan. 9, 1912. Republished Jan. 29. Class 18.

Chattanooga Medicine Company, The: *See*—
Chattanooga Medicine Co.

Chauvin, Georgianna J., Webster, Mass., assignor to Consolidated Cosmetics, Chicago, Ill. Shampoo. 554,220, Jan. 29; Serial No. 597,812, published Nov. 6, 1951. Class 52.

Chefaro Chemische Fabriek "Rotterdam": *See*—
N. V. Chemische Fabriek "Rotterdam."

Chemico, Inc., Cuyahoga Falls, Ohio. Retarder of prevulcanization in the vulcanizing of rubbers. 554,264, Jan. 29; Serial No. 609,075, published Oct. 30, 1951. Class 6.

Chicago Pharmacal Company, Chicago, Ill. Epithelial stimulant. 395,678, June 2, 1942. Republished Jan. 29. Class 18.

Childlore Company, North Kansas City, Mo. Wheeled pull toys. 554,226, Jan. 29; Serial No. 598,783, published Nov. 6, 1951. Class 22.

Chrysler Corporation, Highland Park, Mich. Reactivating cement. 554,169, Jan. 29; Serial No. 578,133, published Oct. 16, 1951. Class 5.

Circo Products Company: *See*—
Optimus Equipment Company.

Colonial Chemical Co. Inc., Seattle, Wash. General cleaner, brass and silver polishes, and glass cleaner. 554,170, Jan. 29; Serial No. 578,318, published Oct. 23, 1951. Class 4.

Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Skin cleansing preparation. 554,141, Jan. 29; Serial No. 520,202, published Nov. 6, 1951. Class 52.

Compost Corporation of America, Oakland, Calif. Organic fertilizers. 554,288, Jan. 29; Serial No. 611,019, published Nov. 6, 1951. Class 10.

Consolidated Cosmetics, assignee: *See*—
Chauvin, Georgianna J.

Consolidated Machine Tool Corporation: *See*—
Consolidated Machine Tool Corporation of America.

Consolidated Machine Tool Corporation of America, to Consolidated Machine Tool Corporation, Rochester, N. Y. Drill chucks. 292,142, renewed Mar. 1, 1952. O. G. Jan. 29. Class 23.

Consumers Oil Company, New York, N. Y. Lubricating oils and fuel oil. 554,238, Jan. 29; Serial No. 602,826, published Sept. 11, 1951. Class 15.

Copeland, Rudy, to The Perfection Ice Scoring Machine Company, Fort Worth, Tex. Portable ice vending stations and parts thereof. 291,997, renewed Mar. 1, 1952. O. G. Jan. 29. Class 23.

Copeman Laboratories Company, Flint, Mich. Cohesive latex. 554,210, Jan. 29; Serial No. 593,623, published Oct. 9, 1951. Class 1.

Culligan Zeolite Company, Northbrook, Ill. Calcium carbonate. 554,277, Jan. 29; Serial No. 609,847, published Oct. 30, 1951. Class 6.

Daltroff, E., & Cie, doing business as Parfumerie Caron, Paris, France, to Caron Corporation, New York, N. Y. Perfumery. 287,517, renewed Sept. 29, 1951. O. G. Jan. 29. Class 51.

Daniel, Jack, Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn. Whiskey and brandy. 444,537, July 31, 1951. Republished Jan. 29. Class 49.

Darlington Fabrics Corporation, New York, N. Y. Piece goods; elastic webbings and elastic sheetings. 349,174, Aug. 24, 1937. Republished Jan. 29. Class 42.

Darlington Fabrics Corporation, New York, N. Y. Elastic yarn. 360,053, Sept. 6, 1938. Republished Jan. 29. Class 43.

Darlington Fabrics Corporation, New York, N. Y. Woven elastic fabric, piece goods; wide elastic webbings, etc. 390,365, Sept. 23, 1941. Republished Jan. 29. Class 42.

Davis, C. C., Specialties: *See*—
Davis, Charles C.

Davis, Charles C., and Company, to Charles C. Davis and Company, Chicago, Ill. Cotton piece goods. 291,005, renewed Jan. 26, 1952. O. G. Jan. 29. Class 42.

Davis, Charles C., doing business as C. C. Davis Specialties, Cleveland, Ohio. Tooth brushes. 554,176, Jan. 29; Serial No. 581,253, published Sept. 4, 1951. Class 29.

Day, James B., & Co., Chicago, Ill. Prepared shellac. 554,289, Jan. 29; Serial No. 611,944, published Nov. 6, 1951. Class 16.

De Capio, Andrew, doing business as Globe Cleaning Company, Mansfield, Ohio. Liquid cleaning compound. 554,205, Jan. 29; Serial No. 591,407, published Oct. 30, 1951. Class 52.

Dee Medical Supply Company: *See*—
Berrisford, Geraldine K.

Deere & Company, Moline, Ill. Enamel coatings. 554,259, Jan. 29; Serial No. 608,592, published Oct. 30, 1951. Class 16.

Dentists' Supply Company of New York, The, New York, N. Y. Shade guides for artificial teeth. 554,184, Jan. 29; Serial No. 585,105, published Oct. 16, 1951. Class 44.

De Pinna, A., Co., Inc., New York, N. Y. Shoes, boots, and slippers. 285,133, renewed July 14, 1951. O. G. Jan. 29. Class 39.

Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, Vested in the Attorney General of the United States, Washington, D. C. Silver alloys for dental use. 288,384–5, renewed Oct. 27, 1951. O. G. Jan. 29. Class 44.

Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, Vested in the Attorney General of the United States, Washington, D. C. Mercury and for noble metal alloys for dental use. 288,386, renewed Oct. 27, 1951. O. G. Jan. 29. Class 44.

Diamond, John P.: *See*—
Diamond, McDonnell & Co.

Diamond Match Company, The, New York, N. Y. Matches. 554,198, Jan. 29; Serial No. 589,646, published Nov. 13, 1951. Class 9.

Diamond Match Company, The, New York, N. Y. Clothespins. 554,199, Jan. 29; Serial No. 589,647, published Nov. 6, 1951. Class 24.

Diamond, McDonnell & Co., to J. P. Diamond, doing business as Diamond, McDonnell & Company, Philadelphia, Pa. Washing blue. 292,425, renewed Mar. 15, 1952. O. G. Jan. 29. Class 6.

Diamond, McDonnell & Company: *See*—
Diamond, McDonnell & Co.

Dick, A. B., Company, Chicago, Ill. Mimeograph inks, mimeograph protective covers, etc. 554,177, Jan. 29; Serial No. 582,214, published Sept. 18, 1951. Class 11.

Dorn, Harry M., New York, N. Y. Rubber toys. 554,158, Jan. 29; Serial No. 567,242, published Oct. 23, 1951. Class 22.

Double Duty Products, Inc., by Products Packaging, Inc., Cleveland, Ohio. Dispensing caps or tops for receptacles. 341,434, Dec. 8, 1936. Republished Jan. 29. Class 50.

Du Pont, E. I., de Nemours and Company: *See*—
Newport Chemical Works, Incorporated.

Dutch Maid Food Packing Company, Inc., Allentown, Pa. Pure egg noodles, spaghetti, and macaroni. 356,043, Apr. 12, 1938. Republished Jan. 29. Class 46.

E and F Sales Co.: *See*—
Schiesser, Ernest C.

Eastern States Farmers' Exchange, West Springfield, Mass. Spiral nails. 554,160, Jan. 29; Serial No. 569,363, published Nov. 6, 1951. Class 13.

Echelon Company, Los Angeles, Calif. Games comprising pieces which are arranged to form pictures. 554,308, Jan. 29; Serial No. 590,306. Class 22.

Economic Hand Soap, Incorporated: *See*—
Economic Products, Inc.

Economic Products, Inc., Newark, N. J., formerly Economic Hand Soap, Incorporated. Tool cooling liquid. 554,304, Jan. 29; Serial No. 572,894. Class 6.

Edison Distributing Company, Inc., Detroit, Mich., assignor to Poseos, Inc., Jersey City, N. J. Liquid adhesive. 554,175, Jan. 29; Serial No. 581,126, published Oct. 16, 1951. Class 5.

Educational Toys, Inc., Newark, N. J. Games played with movable pieces. 554,307, Jan. 29; Serial No. 588,565. Class 22.

Eisendrath, B. D., Tanning Co., Chicago, Ill. Tanned leather. 290,647, renewed Jan. 12, 1952. O. G. Jan. 29. Class 1.

Eisenstadt Manufacturing Company, St. Louis, Mo. Finger rings. 554,172, Jan. 29; Serial No. 579,270, published Oct. 30, 1951. Class 28.

Ellis Coat Co., Inc., by Manchester Modes, Inc., Manchester, Conn. Ladies' coats, men's coats, and children's coats. 397,400, Sept. 8, 1942. Republished Jan. 29. Class 39.

Emily Shops, Inc., by Emily Shops, Inc. (1932), New York, N. Y. Misses' and women's blouses, dresses, sweaters, etc. 234,249, Oct. 18, 1927. Republished Jan. 29. Class 39.

Emily Shops, Inc. (1932): *See*—
Emily Shops, Inc.

Empire Ironer, Inc., Cincinnati, Ohio. Electric roll-type ironers. 554,267, Jan. 29; Serial No. 609,287, published Nov. 13, 1951. Class 24.

Eno-Scott & Bowne: *See*—
Warrick, Frederic W.

Erie County Frosted Foods and Canning Corporation, Angola, N. Y. Canned vegetables, canned berries, tomato ketchup, etc. 554,298, Jan. 29; Serial No. 524,868. Class 46.

Esso Standard Oil Company: *See*—
Stanco Incorporated.
Standard Oil Company of New Jersey.

Farboil Company, The, Baltimore, Md. Paints, waterproofing paints, paint driers, etc. 554,243, Jan. 29; Serial No. 605,513, published Oct. 30, 1951. Class 16.

Farm Tools, Inc.: *See*—
Harvey Manufacturing Company.

Fasco Industries, Inc., Rochester, N. Y. Forced draft ventilators, ventilating blowers. 554,311, Jan. 29; Serial No. 597,878. Class 34.

Firelure Corporation, The, San Francisco, Calif. Fishing rods, fishing reels, fishing plugs, etc. 554,196, Jan. 29; Serial No. 589,206, published Nov. 6, 1951. Class 22.

Firelure Corporation, The, San Francisco, Calif. Paint pigment. 554,203, Jan. 29; Serial No. 591,158, published Nov. 6, 1951. Class 16.

Fonder, R. C.: *See*—
Caldwell Seed Company.

Garden State Dairy Laboratory: *See*—
Klein, Mathew.

Gates Rubber Company, The, Denver, Colo. Automobile fan and generator belts, etc. 291,991, renewed Mar. 1, 1952. O. G. Jan. 29. Class 35.

Geigy Company, Inc., New York, N. Y. Preparation for killing weeds and destroying vermin, rodenticides, and disinfectants. 554,271, Jan. 29; Serial No. 609,546, published Oct. 30, 1951. Class 6.

General Mills, Inc., Minneapolis, Minn. Wheat flour. 292,625, renewed Mar. 22, 1952. O. G. Jan. 29. Class 46.

General Motors Corporation, Detroit, Mich. Inspection, adjustment, repair and rebuilding of automotive parts, etc. 554,295, Jan. 29; Serial No. 552,648, published Nov. 6, 1951. Class 103.

General Norit Company, Limited: *See*—
N. V. Algemeene Norit Maatschappij.

Gits Bros. Mfg. Co., Chicago, Ill. Seals for rotating shafts. 554,178, Jan. 29; Serial No. 582,285, published Oct. 30, 1951. Class 35.

Globe Cleaning Company: *See*—
De Capio, Andrew.

Golden Bear Products, Inc., Beverly Hills, Calif. Liquid paint and varnish remover. 554,273, Jan. 29; Serial No. 609,643, published Nov. 6, 1951. Class 16.

Gorton-Pew Fisheries Company, Ltd.: *See*—
Smith, Sylvanus, & Co., Inc.

Goss, Alfred, doing business as Goss & Goss, San Francisco, Calif. Caulking compound. 554,146, Jan. 29; Serial No. 546,582, published Sept. 25, 1951. Class 12.

Goss & Goss: *See*—
Goss, Alfred.

Greenblatt, Simon, & Son, Inc., New York, N. Y. Ladies' hair brushes. 554,283–4, Jan. 29; Serial Nos. 610,060–1, published Oct. 30, 1951. Class 29.

Hanlon & Goodman Co., Belleville, N. J. Wall brushes, stucco brushes, varnish brushes, etc. 554,217, Jan. 29; Serial No. 597,272, published Oct. 30, 1951. Class 29.

Hanna Engineering Works, Chicago, Ill. Valves. 554,149, Jan. 29; Serial No. 554,665, published Nov. 6, 1951. Class 13.

Hanson-Van Winkle-Munning Company, Matawan, N. J. Thermo-plastic resin material in tape form and a cement sold in combination therewith. 554,155, Jan. 29; Serial No. 562,141, published Oct. 16, 1951. Class 5.

Harvey Manufacturing Company, Racine, Wis., by Farm Tools, Inc., Mansfield, Ohio. Corn shellers. 425,992, Dec. 10, 1946. Republished Jan. 29. Class 23.

Harwood Pharmacal Company: *See*—
Horowitz, Abraham G.

Hause, Charles F., to M. B. Hause, sole residuary legatee under the last will and testament of C. F. Hause, deceased, Los Angeles, Calif. Nonmetallic washers, faucet cushions, etc. 282,020, renewed Apr. 7, 1951. O. G. Jan. 29. Class 35.

Hause, Mildred B.: *See*—
Hause, Charles F.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Belt buckles and slides for belts, collar buttons, collar holders, etc. 554,185, Jan. 29; Serial No. 585,931, published Oct. 30, 1951. Class 28.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Belt buckles and slides for belts, collar buttons, collar holders, etc. 554,186, Jan. 29; Serial No. 585,934, published Oct. 30, 1951. Class 28.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Belt buckles and slides, jewelry. 554,223, Jan. 29; Serial No. 598,015, published Oct. 30, 1951. Class 28.

Hillyard Chemical Company, St. Joseph, Mo. Gravity liquid soap dispenser. 292,374, renewed Mar. 15, 1952. O. G. Jan. 29. Class 13.

Hochheiser & Weisberg, Inc., by Moosalina Products Corp., New York, N. Y. Olive oil. 205,782, Nov. 17, 1925. Republished Jan. 29. Class 46.

Horowitz, Abraham G., doing business as Harwood Pharmacal Company, Newark, N. J. Sedative medicine. 554,287, Jan. 29; Serial No. 610,444, published Oct. 16, 1951. Class 18.

Hudnut, Richard, to Richard Hudnut, New York, N. Y. Perfumes. 37,922, re-renewed Mar. 11, 1952. O. G. Jan. 29. Class 51.

Hudnut, Richard, New York, N. Y. Rouge and creme make-up base. 554,222, Jan. 29; Serial No. 597,959, published Sept. 11, 1951. Class 51.

Ideal Toy Corporation, Hollis, N. Y. Stuffed toy animals and stuffed dolls. 554,291, Jan. 29; Serial No. 612,616, published Nov. 6, 1951. Class 22.

Imperial Chemical Industries Limited, London and Millbank, London, England. Ready-mixed paints, priming paints and finishing paints, etc. 554,211, Jan. 29; Serial No. 594,784, published Oct. 30, 1951. Class 16.

Imperial Chemical Industries Limited, London and Millbank, London, England. Fishing lines and leaders, strings for tennis racquets, etc. 554,212, Jan. 29; Serial No. 594,788, published Oct. 9, 1951. Class 22.

Inland Steel Company, Chicago, Ill. Sheet steel. 412,799, Mar. 27, 1945. Republished Jan. 29. Class 14.

Interchemical Corporation, New York, N. Y. Varnish. 554,147, Jan. 29; Serial No. 553,199, published Nov. 6, 1951. Class 16.

International Sales Company, San Francisco, Calif. Gas furnaces. 554,309, Jan. 29; Serial No. 592,633. Class 34.

International Silver Company, The, Meriden, Conn. Silver plated table ware. 554,272, Jan. 29; Serial No. 609,594, published Oct. 30, 1951. Class 28.

Inter State Oil Co., Kansas City, Kans. Motor lubricating oil. 554,145, Jan. 29; Serial No. 541,681, published Sept. 11, 1951. Class 15.

Ironces Company, The: *See*—
Lehrman, David.

It Products, Inc., Kansas City, Kans., now by change of name Phantom Products, Inc. Casting rods. 554,159, Jan. 29; Serial No. 568,375, published Oct. 30, 1951. Class 22.

Jacoby-Bender, Inc., New York, N. Y. Bracelets and watch bracelets. 554,255, Jan. 29; Serial No. 608,041, published Oct. 30, 1951. Class 28.

Johnston & Jennings Company, The; *See*—
Oil Conservation Engineering Company, The.

Jokari Corporation, New York, N. Y. Outdoor games. 554,218, Jan. 29; Serial No. 597,338, published Oct. 9, 1951. Class 22.

Kansas Paint & Color Company, Wichita, Kans. Ready-mixed paints, paint enamels and lacquers. 554,140, Jan. 29; Serial No. 516,905, published Nov. 13, 1951. Class 16.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., to The May Department Stores Company, St. Louis, Mo. Cleaning fluid. 289,657, renewed Dec. 1, 1951. O. G. Jan. 29. Class 52.

Kayser, Julius, & Co., New York, N. Y. Hosiery. 289,096, Nov. 17, 1931. Republished Jan. 29. Class 39.

Kerdasha, Robert J., Woodcliff, N. J. Game. 554,209, Jan. 29; Serial No. 593,541, published Nov. 6, 1951. Class 22.

Kerr, Joseph H., doing business as Quota Games, Lewisburg, Pa. Card game. 554,236, Jan. 29; Serial No. 602,155, published Nov. 6, 1951. Class 22.

Kestral Corporation, West Springfield, Mass. Inflatable toys. 554,207, Jan. 29; Serial No. 592,430, published Oct. 16, 1951. Class 22.

Keuffel & Esser Company, Hoboken, N. J. Surveyors' leveling rods. 288,192, renewed Oct. 20, 1951. O. G. Jan. 29. Class 26.

Keuffel & Esser Company, Hoboken, N. J. Brown-print papers and cloths. 288,278, renewed Oct. 20, 1951. O. G. Jan. 29. Class 26.

Keuffel & Esser Company, Hoboken, N. J. Slide rules. 289,154, renewed Nov. 17, 1951. O. G. Jan. 29. Class 26.

King Paint Roller, Inc., Detroit, Mich. Paint roller. 554,240, Jan. 29; Serial No. 603,067, published Nov. 13, 1951. Class 29.

Kitkast Co., The, Arlington, Va. Fishing rods. 554,214, Jan. 29; Serial No. 595,790, published Oct. 16, 1951. Class 22.

Kleijn, Adrianus: *See*—
N. V. Chemische Fabriek "Rotterdam."

Klein, Mathew, doing business as Garden State Dairy Laboratory, Irvington, N. J. Bacteria culture medium. 554,254, Jan. 29; Serial No. 608,007, published Oct. 30, 1951. Class 6.

Kraft Foods Company, Chicago, Ill. Cheese, grated cheese, pasteurized process cheese, etc. 554,187, Jan. 29; Serial No. 586,004, published Oct. 30, 1951. Class 46.

La Flor del Sur Empacadores: *See*—
Walker, James.

Langley Corporation, San Diego, Calif. Fishing rods. 554,235, Jan. 29; Serial No. 602,097, published Nov. 6, 1951. Class 22.

Lehrman, David, trading as The Ironces Company, Philadelphia, Pa. Ironing board pads and covers. 554,252, Jan. 29; Serial No. 607,593, published Nov. 13, 1951. Class 24.

Lloyd Chain Manufacturing Co., Maryville, Mo. Tire chains. 554,168, Jan. 29; Serial No. 577,676, published Nov. 6, 1951. Class 13.

Longview Lime Corporation: *See*—
Longview Lime Works.
Saginaw Lime & Stone Co.

Longview Lime Works, Longview, to Longview Lime Corporation, Birmingham, Ala. Lime. 279,811, renewed Jan. 27, 1951. O. G. Jan. 29. Class 12.

Lur-All Tackle and Manufacturing Company, Berkley, Mich. Artificial fish baits. 554,179, Jan. 29; Serial No. 582,535, published Nov. 6, 1951. Class 22.

Lur-All Tackle and Manufacturing Company, Berkley and Royal Oak, Mich. Artificial fish bait. 554,202, Jan. 29; Serial No. 590,511, published Nov. 6, 1951. Class 22.

M. & M. Leather Craft Co.: *See*
Morman, Raymond E.

Manchester Modes, Inc.: *See*—
Ellis Coat Co., Inc.

Manhattan Shirt Company, The, New York, N. Y. Negligee shirts, dress shirts, sport shirts, etc. 291,021, renewed Jan. 26, 1952. O. G. Jan. 29. Class 39.

Manischewitz, B., Company, The: *See*—
Manischewitz, Behr.

Manischewitz, Behr, Cincinnati, Ohio, to The B. Manischewitz Company, Jersey City, N. J., and Cincinnati, Ohio. Matzos, being flat squares of unleavened bread. 85,666, re-renewed Mar. 5, 1952. O. G. Jan. 29. Class 46.

Marcelle Cosmetics, Inc., Chicago, Ill. Face powder, dusting powder, talcum powder, etc. 549,015, Oct. 2, 1951. Corrected. O. G. Jan. 29. Class 51.

Marcelle Cosmetics, Inc., Chicago, Ill. Soap and shampoo. 554,231, Jan. 29; Serial No. 601,056, published Oct. 16, 1951. Class 52.

Marshall Field & Company, Chicago, Ill. Secretaries, chests, desks, etc. 292,477, renewed Mar. 15, 1952. O. G. Jan. 29. Class 32.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 538,256, Feb. 20, 1951. Amended. O. G. Jan. 29. Class 18.

Mathieson Chemical Corporation, assignee: *See*—
Southern Acid & Sulphur Company, Incorporated.

May Department Stores Company, The: *See*—
Kaufmann Department Stores, Inc.

May Department Stores Company, The, St. Louis, Mo. Dress and negligee shirts. 287,847, renewed Oct. 13, 1951. O. G. Jan. 29. Class 39.

Maybelline Co., Chicago, Ill. Eyebrow brushes and mascara brushes. 554,266, Jan. 29; Serial No. 609,247, published Oct. 30, 1951. Class 29.

McConnell, James E., Hollywood, Calif. Toy doll. 554,301, Jan. 29; Serial No. 561,574. Class 22.

McMath, John N., Co., doing business as Lloyd Sargent, New Rochelle and New York, N. Y. Face and hand lotions, creams, powder, etc. 554,224, Jan. 29; Serial No. 598,663, published Sept. 11, 1951. Class 51.

Mechanite Metal Corporation, Chattanooga, Tenn., and New Rochelle, N. Y. Rough and partly finished castings. 554,306, Jan. 29; Serial No. 585,388. Class 14.

Moosalina Products Corp.: *See*—
Hochheiser & Weisberg, Inc.

Moosalina Products Corp., New York, N. Y. Canned tomato paste, canned vegetables, canned fruits, etc. 403,174, Sept. 7, 1943. Republished Jan. 29. Class 46.

Morman, Raymond E., doing business as M. & M. Leather Craft Co., Dallas, Tex. Wrist watch bands, wrist watch straps and wrist watch loops. 554,180, Jan. 29; Serial No. 583,811, published Oct. 30, 1951. Class 28.

Mowll, Edward A., San Francisco, Calif. Disc adapted to be positioned between the wheel and brake drum of an automobile, etc. 554,192, Jan. 29; Serial No. 588,040, published Nov. 13, 1951. Class 35.

N. V. Algemeene Norit Maatschappij, doing business as General Norit Company, Limited, Amsterdam, Netherlands and Jacksonville, Fla. Active carbon. 435,640, Jan. 6, 1948. Corrected. O. G. Jan. 29. Class 6.

N. V. Chemische Fabriek "Rotterdam," Rotterdam, to Adrianus Kleijn, trading as Chefaro Chemische Fabriek "Rotterdam," Rotterdam-West, Netherlands. Chemical products. 288,678, renewed Nov. 3, 1951. O. G. Jan. 29. Class 6.

National Cash Register Company, The, Dayton, Ohio. Ink. 554,261–3, Jan. 29; Serial Nos. 608,885–7, published Nov. 13, 1951. Class 11.

Naugatuck Chemical Company, The, to United States Rubber Company, New York, N. Y. Unrefined zinc laurate. 288,670, renewed Nov. 3, 1951. O. G. Jan. 29. Class 6.

Naugatuck Chemical Company, The, to United States Rubber Company, New York, N. Y. Condensation product of butyraldehyde and aniline. 289,954, renewed Dec. 15, 1951. O. G. Jan. 29. Class 1.

Naugatuck Chemical Company, The, to United States Rubber Company, New York, N. Y. Condensation product of heptaldehyde and aniline. 289,955, renewed Dec. 15 1951. O. G. Jan. 29. Class 1.

Naugatuck Chemical Company, The, to United States Rubber Company, New York, N. Y. Mixture of oil and a condensation product of heptaldehyde and aniline. 290,030, renewed Dec. 22, 1951. O. G. Jan. 29. Class 6.

Neoco Corporation, Los Angeles, Calif. Vitamin tablets containing vitamins B_{12} and folic acid. 554,285, Jan. 29; Serial No. 610,184, published Oct. 16, 1951. Class 18.

New England Paint Works, Inc., Goffstown, N. H. Soluble color pigments for use in coloring paint. 554,241, Jan. 29; Serial No. 603,809, published Oct. 30, 1951. Class 16.

New Method Paint Co., Kansas City, Mo. Ready mixed oil paint. 554,251, Jan. 29; Serial No. 607,507, published Nov. 6, 1951. Class 16.

Newport Chemical Works, Incorporated, Carrollville, Wis., to E. I. du Pont de Nemours and Company, Wilmington, Del. Perfumed oils. 291,305, renewed Feb. 9, 1952. O. G. Jan. 29. Class 51.

Odell Co. Inc., The, Newark, N. J. Treatment for dandruff. 292,778, renewed Mar. 29, 1952. O. G. Jan. 29. Class 51.

Ohio Rubber Company, The, Willoughby, Ohio. Semi-pneumatic rubber tires. 554,278, Jan. 29; Serial No. 609,878, published Nov. 13, 1951. Class 35.

Oil Conservation Engineering Company, The, Cleveland, Ohio, by The Johnston & Jennings Company, Chicago, Ill. Oil-level indicators, automatic pressure gauges and gauge bobs. 199,177, June 2, 1925. Republished Jan. 29. Class 26.

Oil Conservation Engineering Company, The, Cleveland, Ohio, by The Johnston & Jennings Company, Chicago, Ill. Swing-pipe winches, swing-pipe cable guides. 199,684, June 16, 1925. Republished Jan. 29. Class 23.

Oil Conservation Engineering Company, The, Cleveland, Ohio, by The Johnston & Jennings Company, Chicago, Ill. Gage and thief holes, vacuum and pressure relief valves, etc. 199,815, June 16, 1925. Republished Jan. 29. Class 13.

Olo Soap Company, Inc.: *See*—
Bever Chemical Works.

Olze, Alex F. W., assignee: *See*—
Anders Chemical Corporation.

Optimus Equipment Company, Matawan, N. J., assignee of Circo Products Company. Volatile solvent. 554,152, Jan. 29; Serial No. 558,281, published Nov. 6, 1951. Class 52.

Orianna Metal Products, Inc., Philadelphia, Pa. Toy dog. 554,148, Jan. 29; Serial No. 553,896, published Oct. 9, 1951. Class 22.

Otto Gas, Incorporated, McCook, Nebr. Petroleum products, to-wit: propane, butane, etc. 554,166, Jan. 29; Serial No. 576,831, published Oct. 16, 1951. Class 6.

Pabco Products Inc., San Francisco, Calif., by change of name from The Paraffine Companies, Inc. Ready mixed paint. 554,300, Jan. 29; Serial No. 558,584. Class 16.

Pacific Coast Paper Mills, to Pacific Coast Paper Mills of Washington, Inc., Bellingham, Wash. Toilet paper. 291,323, renewed Feb. 9, 1952. O. G. Jan. 29. Class 37.

Pacific Coast Paper Mills of Washington, Inc.: *See*—
Pacific Coast Paper Mills.

Panray Corp., The, New York, N. Y. Pharmaceutical preparation. 554,269, Jan. 29; Serial No. 609,376, published Oct. 16, 1951. Class 18.

Paraffine Companies, Inc., The: *See*—
Pabco Products Inc.

Paragon Oil Company, Inc., Brooklyn, N. Y. Petroleum products and derivatives. 554,157, Jan. 29; Serial No. 565,299, published Sept. 11, 1951. Class 15.

Parco Mfg., Inc., Providence, R. I. Real and costume jewelry and jewelers' findings. 554,249, Jan. 29; Serial No. 606,894, published Oct. 30, 1951. Class 28

Parfumerie Caron: *See*—
Daltroff, E., & Cie.

Parfumerie Lubin, Societe Anonyme, Paris, France. Perfumes, toilet waters, rouge, etc. 554,139, Jan. 29; Serial No. 516,632, published Sept. 25, 1951. Class 51.

Parfums Blanchard, New York, N. Y. Toilet water, cologne, perfume, etc. 554,194, Jan. 29; Serial No. 588,383, published Oct. 16, 1951. Class 51.

Parke, Davis & Company, Detroit Mich. Digitalis and iron citrate and copper nucleate. 291,134, renewed Jan. 26, 1952. O. G. Jan. 29. Class 18.

Patterson-Sargent Company, The, Cleveland, Ohio. Dry and ready mixed paints, varnishes, paint-enamels, etc. 289,056, renewed Nov. 17, 1951. O. G. Jan. 29. Class 16.

Patterson-Sargent Company, The, Cleveland, Ohio. Ready-mixed paints. 554,257, Jan. 29; Serial No. 608,370, published Oct. 30, 1951. Class 16.

Penick, S. B., & Company, New York, N. Y. Waxes. 554,233, Jan. 29; Serial No. 601,525, published Oct. 16, 1951. Class 15.

Perfect Circle Corporation, Hagerstown, Ind. – Piston rings. 554,258, Jan. 29; Serial No. 608,511, published Oct. 30, 1951. Class 35.

Perfection Ice Scoring Machine Company, The: *See*—
Copeland, Rudy.

Permalawn Products Co.: *See*—
Caldwell Seed Company.

Peters, Phyllis, Miami, Fla. Decorative dolls. 554,173, Jan. 29; Serial No. 579,887, published Oct. 9, 1951. Class 22.

Phalam International Agency, S. A., Habana, Cuba. Playing cards and card games. 554,162, Jan. 29; Serial No. 572,199, published Oct. 16, 1951. Class 22.

Phantom Products, Inc.: *See*—
It Products, Inc.

Pierce, F. O., Company, Long Island City, N. Y. Enamel. 554,286, Jan. 29; Serial No. 610,336, published Nov. 13, 1951. Class 16.

Pitkin, Inc., Newark, N. Y. Cologne, dusting powder, face powder, etc. 554,144, Jan. 29; Serial No. 537,619, published Oct. 2, 1951. Class 51.

Plastics Engineering Company, Sheboygan, Wis. Toilet seats. 554,237, Jan. 29; Serial No. 602,334, published Nov. 6, 1951. Class 13.

Plastics Engineering Company, Sheboygan, Wis. Toilet seats. 554,242, Jan. 29; Serial No. 604,610, published Nov. 6, 1951. Class 13.

Plax Corporation, West Hartford, Conn. Film, rod, tubing, tape, and sheet, formed of resinous plastic materials. 554,161, Jan. 29; Serial No. 572,120, published Oct. 23, 1951. Class 1.

Plessey Company Limited, The, Ilford and London, England. Soft compressed magnetic flake material used as chokes, transformers, reactors. 554,221, Jan. 29; Serial No. 597,901, published Nov. 13, 1951. Class 21.

Pollock, Robert T., Corporation, The, New York, N. Y. Hydrocarbon diesel fuels. 554,229, Jan. 29; Serial No. 600,616, published Oct. 16, 1951. Class 15.

Posees, Inc., assignee: *See*—
Edison Distributing Company, Inc.

Products Packaging, Inc.: *See*—
Double Duty Products, Inc.

Protexol Corporation: *See*—
Carbolineum Wood Preserving Company.

Protexol Corporation, Kenilworth, N. J. Wood-preserving material. 184,195–6, May 20, 1924. Republished Jan. 29. Class 6.

Protexol Corporation, Kenilworth, N. J. Colorless and odoriess wood preservative. 184,197, May 20, 1924. Republished Jan. 29. Class 6.

Protexol Corporation, Kenilworth, N. J. Lumber. 401,345, May 11, 1943. Republished Jan. 29. Class 12.

Pyle-National Company, The, Chicago, Ill. Electrical apparatus. 554,290, Jan. 29; Serial No. 612,557, published Oct. 30, 1951. Class 21.

Quota Games: *See*—
Kerr, Joseph H.

R & F Co. Inc., New York, N. Y. Floating water toys. 554,279, Jan. 29; Serial No. 609,945, published Nov. 6, 1951. Class 22.

R. L. Company, The, Kansas City, Mo., to Standard Laboratories, Inc., New York, N. Y. Antiseptic liquid. 84,129, re-renewed Nov. 7, 1951. O. G. Jan. 29. Class 51.

Rand, Philip, Chicago, Ill. Simulated pearl jewelry. 554,204, Jan. 29; Serial No. 591,255, published Oct. 30, 1951. Class 28.

Rippe, Harry C., Mount Vernon, N. Y. Unimpregnated polishing, cleaning, and dusting mitt. 554,182, Jan. 29; Serial No. 584,696, published Sept. 4, 1951. Class 29.

Rupert Diecasting Company, Kansas City, Mo. Aluminum diecastings. 554,305, Jan. 29; Serial No. 580,379. Class 14.

S. F. Appliances, Limited, Ridgefield, N. J. Gasolene, kerosene, gas, and charcoal smoothing irons. 554,156, Jan. 29; Serial No. 564,968, published Nov. 13, 1951. Class 24.

Saginaw Lime & Stone Co., Saginaw, to Longview Lime Corporation, Birmingham, Ala. Lime. 278,618, renewed Dec. 23, 1950. O. G. Jan. 29. Class 12.

Sahyun Laboratories: *See*—
Sahyun, Melville.

Sahyun, Melville, doing business as Sahyun Laboratories, Santa Barbara, Calif. Shampoo. 554,219, Jan. 29; Serial No. 597,354, published Nov. 6, 1951. Class 52.

Sandoz Chemical Works, Inc., New York, N. Y. Chemical products. 292,858, renewed Mar. 29, 1952. O. G. Jan. 29. Class 6.

Sargent, Lloyd: *See*—
McMath, John N., Co.

Schering Corporation, Bloomfield, N. J. Drug of steroidal nature. 554,253, Jan. 29; Serial No. 607,686, published Oct. 16, 1951. Class 18.

Schlesser, Ernest C., doing business as E and F Sales Co., Peninsula, Ohio. Chemical cleaner. 554,230, Jan. 29; Serial No. 600,789, published Oct. 16, 1951. Class 52.

Service Industries, Philadelphia, Pa. Toilet bowl cleaner. 554,246, Jan. 29; Serial No. 606,495, published Oct. 30, 1951. Class 52.

Seymour of Sycamore, Inc., Sycamore, Ill. Liquid paints including enamels. 554,228, Jan. 29; Serial No. 599,025, published Oct. 30, 1951. Class 16.

Skalet Manufacturing Co. Inc., New York, N. Y. Gold and platinum jewelry. 554,260, Jan. 29; Serial No. 608,720, published Oct. 30, 1951. Class 28.

Smith, Sylvanus, & Co., Inc., to Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Salted, smoked, pickled, and canned fish. 85,690, re-renewed Mar. 5, 1952. O. G. Jan. 29. Class 46.

South Bend Bait Company, South Bend, Ind. Fishing rods, and more particularly bait casting rods. 554,303, Jan. 29; Serial No. 572,384. Class 22.

Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y. Insecticides and agricultural fungicides. 554,165, Jan. 29; Serial No. 576,165, published Nov. 6, 1951. Class 6.

Speed Queen Corporation: *See*—
Barlow & Seelig Mfg. Co.: *See*—

Springfield Electrical Specialties, Inc., New York, N. Y. Electrical condensers and contacts or breaker points. 554,292, Jan. 29; Serial No. 615,294, published Nov. 13, 1951. Class 21.

Stanco Incorporated, New York, N. Y., and Wilmington, Del., to Esso Standard Oil Company, New York, N. Y. Lubricating oils. 289,956, renewed Dec. 15, 1951. O. G. Jan. 29. Class 15.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Insect repellent. 290,104, renewed Dec. 22, 1951. O. G. Jan. 29. Class 6.

Standard Laboratories, Inc.: *See*—
R. L. Company, The.

Standard Oil Company of New Jersey, Wilmington, Del., to Esso Standard Oil Company, New York, N. Y. Lubricating oil. 287,718, renewed Oct. 6, 1951. O. G. Jan. 29. Class 15.

Staples and McCrory, Alhambra, Calif. Measuring wheels. 554,302, Jan. 29; Serial No. 568,220. Class 26.

Star Watch Case Company, Ludington, Mich. Watch cases. 84,196, re-renewed Nov. 14, 1951. O. G. Jan. 29. Class 27.

Sternau, S., & Co., by Sterno, Inc., New York, N. Y. Solid fuel. 105,426, July 20, 1915. Republished Jan. 29. Class 6.

Sternau, S., & Co., by Sterno, Inc., New York, N. Y. Solid fuel. 112,328, Aug. 29, 1916. Republished Jan. 29. Class 6.

Sternau, S., & Co. Inc., by Sterno, Inc., New York, N. Y. Cooking stands, stoves, teakettle heating outfits, etc. 178,221, Jan. 8, 1924. Republished Jan. 29. Class 34.

Sterno, Inc.: *See*—
Sternau, S., & Co.
Sternau, S., & Co. Inc.

Streator Canning Company, doing business under the name The Benner Co., Streator, Ill. Wallpaper cleaner. 554,216, Jan. 29; Serial No. 597,024, published Oct. 16, 1951. Class 52.

Strenli, G., & Co., Uznach, Switzerland. Polyvalent vaccine. 554,265, Jan. 29; Serial No. 609,108, published Oct. 16, 1951. Class 18.

Sun Oil Company, Philadelphia, Pa. Lubricating oil. 554,225, Jan. 29; Serial No. 598,690, published Sept. 11, 1951. Class 15.

Switchcraft, Inc., Chicago, Ill. Electrical goods. 554,294, Jan. 29; Serial No. 617,591, published Nov. 6, 1951. Class 21.

Talent, Incorporated, Los Angeles, Calif. Gifts comprising handmade silver jewelry. 554,171, Jan. 29; Serial No. 578,739, published Oct. 30, 1951. Class 28.

Taunton Pearl Works, Taunton, Mass. Articles of jewelry. 554,250, Jan. 29; Serial No. 606,988, published Oct. 30, 1951. Class 28.

Texaco Salt Products Company, New York, N. Y., to The Barton Salt Company, Hutchinson, Kans. Salt. 291,445, renewed Feb. 9, 1952. O. G. Jan. 29. Class 46.

Triplex Heating Specialty Company, Incorporated, The, Peru, Ind. Control valves; and boiler plugs. 554,143, Jan. 29; Serial No. 534,568, published Nov. 6, 1951. Class 13.

Tudor Metal Products Corp., Brooklyn, N. Y. Indoor board games. 554,200, Jan. 29; Serial No. 590,112, published Nov. 6, 1951. Class 22.

Undertakers Supply Co., Chicago, Ill. Deodorant and disinfectant. 554,274, Jan. 29; Serial No. 609,822, published Oct. 30, 1951. Class 6.

Undertakers Supply Co., Chicago, Ill. Embalming fluid. 554,275, Jan. 29; Serial No. 609,823, published Oct. 30, 1951. Class 6.

Union Oil Company of California, Los Angeles, Calif. Lubricating oils. 554,227, Jan. 29; Serial No. 598,819, published Oct. 16, 1951. Class 15.

Unipress Company, Incorporated, The, Minneapolis, Minn. Laundry presses. 554,154, Jan. 29; Serial No. 561,957, published Oct. 30, 1951. Class 24.

United States Rubber Company: *See*—
Naugatuck Chemical Company, The.

United States Rubber Company, New York, N. Y. Belting, hose, and packing. 288,179, renewed Oct. 20, 1951. O. G. Jan. 29. Class 35.

United States Rubber Company, New York, N. Y. Rubber tires. 554,247, Jan. 29; Serial No. 606,638, published Oct. 30, 1951. Class 35.

Universal Western Chemical Corp., Chicago, Ill. Cleaning and polishing preparation. 554,215, Jan. 29; Serial No. 596,312, published Oct. 16, 1951. Class 4.

Upland Citrus Ass'n., to Upland Citrus Association, Upland, Calif. Oranges. 85,927, re-renewed Mar. 26, 1952. O. G. Jan. 29. Class 46.

Upland Citrus Association: *See*—
Upland Citrus Ass'n.

Virginia Smelting Company, West Norfolk, Va. Insecticides. 554,280, Jan. 29; Serial No. 609,990, published Oct. 30, 1951. Class 6.

Walker, Ida G.: *See*—
Walker, James.

Walker, James, doing business as La Flôr del Sur Empacadores, by Ida G. Walker, Los Angeles, Calif. Canned vegetables, canned cactus leaves, canned chile in sauce, etc. 265,938, Jan. 7, 1930. Republished Jan. 29. Class 46.

Wallace Industries, Seattle, Wash., by change of name from Wallace Toys. Artificial fish lures. 554,150, Jan. 29; Serial No. 555,121, published Nov. 6, 1951. Class 22.

Wallace Toys: *See*—
Wallace Industries.

Ward Leonard Electric Company, Mount Vernon, N. Y. Plating solutions. 554,276, Jan. 29; Serial No. 609,825, published Oct. 30, 1951. Class 6.

Warren & Staggers, Adairville, Ky. Squeegee. 554,245, Jan. 29; Serial No. 606,095, published Sept. 4, 1951. Class 29.

Warrick, Frederic W., London, England, to Eno-Scott & Bowne, Bloomfield, N. J. Capsules, pills, and medicated jujubes. 83,874, re-renewed Oct. 17, 1951. O. G. Jan. 29. Class 18.

Webb Wire Works, The, New Brunswick, N. J., to The Carpenter Steel Company, Reading, Pa. Wire. 83,795, re-renewed Oct. 10, 1951. O. G. Jan. 29. Class 14.

Weinreich Brothers Company, New York, N. Y. Pearl necklaces, pearl earrings, pearl bracelets, etc. 554,188, Jan. 29; Serial No. 586,444, published Oct. 30, 1951. Class 28.

Weinreich Brothers Company, New York, N. Y. Pearl necklaces, pearl earrings, pearl brooches, etc. 554,189, Jan. 29; Serial No. 586,445, published Oct. 30, 1951. Class 28.

Weinreich Brothers Company, New York, N. Y. Pearl earrings, pearl necklaces, pearl brooches, etc. 554,190, Jan. 29; Serial No. 586,446, published Oct. 30, 1951. Class 28.

West Disinfecting Company, Long Island City, N. Y. Polishing wax and combination coating and polishing wax. 554,193, Jan. 29; Serial No. 588,342, published Nov. 6, 1951. Class 4.

West End Brewing Co., The, Utica, N. Y. Beer, ale, porter, half and half and brown stout. 85,531, re-renewed Feb. 20, 1952. O. G. Jan. 29. Class 48.

Western Lithograph Company, doing business as Westline Products Division, Los Angeles, Calif. Plastic lacquer spray. 554,281, Jan. 29; Serial No. 609,991, published Oct. 30, 1951. Class 16.

Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Indianapolis, Ind. Radio program broadcasting services. 554,296, Jan. 29; Serial No. 565,396, published Nov. 6, 1951. Class 104.

Westline Products Division: *See*—
Western Lithograph Company.

White Wood Products Co., Inc., Bogalusa, La. Broom, mop, sweeper, and brush handles. 554,248, Jan. 29; Serial No. 606,832, published Sept. 4, 1951. Class 29.

Williams Brush Company, Inc., New York, N. Y. Toothbrushes. 554,244, Jan. 29; Serial No. 605,977, published Sept. 4, 1951. Class 29.

Williamson Heater Company, The, Cincinnati, Ohio. Gas, oil and coal fired warm air furnaces. 554,310, Jan. 29; Serial No. 593,700. Class 34.

Winthrop-Stearns Inc., New York, N. Y. Oral vasopressor. 554,282, Jan. 29; Serial No. 610,039, published Oct. 16, 1951. Class 18.

Wolf, Jacques, & Co., Clifton, N. J. Sodium salt of dodecyle benzene sulfonate which is used as a detergent. 554,174, Jan. 29; Serial No. 580,162, published Oct. 30, 1951. Class 52.

Wolverine Brass Works, Grand Rapids, Mich. Moulded rubber valve ball. 287,823, renewed Oct. 13, 1951. O. G. Jan. 29. Class 13.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cohesive latex. Copeman Laboratories Company. 554,210, Jan. 29; Serial No. 593,623, published Oct. 9, 1951.

Condensation product of butyraldehyde and aniline. The Naugatuck Chemical Company. 289,954, renewed Dec. 15, 1951. O. G. Jan. 29.

Condensation product of heptaldehyde and aniline. The Naugatuck Chemical Company. 289,955, renewed Dec. 15, 1951. O. G. Jan. 29.

Film, rod, tubing, tape and sheet, formed of resinous plastic materials. Plax Corporation. 554,161, Jan. 29; Serial No. 572,120, published Oct. 23, 1951.

Leather, Tanned. B. D. Elsendrath Tanning Co. 290,647, renewed Jan. 12, 1952. O. G. Jan. 29.

Seed, Lawn. Caldwell Seed Company. 341,084, Dec. 1, 1936. New certificate. O. G. Jan. 29.

CLASS 4

Cleaning and polishing preparation. Universal Western Chemical Corp. 554,215, Jan. 29; Serial No. 596,312, published Oct. 16, 1951.

General cleaner, brass and silver polishes, and glass cleaner. Colonial Chemical Co. Inc. 554,170, Jan. 29; Serial No. 578,318, published Oct. 23, 1951.

Steel wool. The Brunswick-Balke-Collender Company. 554,232, Jan. 29; Serial No. 601,422, published Oct. 16, 1951.

Wax, Polishing, and combination coating and polishing wax. West Disinfecting Company. 554,193, Jan. 29; Serial No. 588,342, published Nov. 6, 1951.

CLASS 5

Adhesive, Liquid. Edison Distributing Company, Inc. 554,175, Jan. 29; Serial No. 581,126, published Oct. 16, 1951.

Cement, Reactivating. Chrysler Corporation. 554,169, Jan. 29; Serial No. 578,133, published Oct. 16, 1951.

Glue, Liquid. Armour and Company. 554,234, Jan. 29; Serial No. 601,705, published Oct. 16, 1951.

Thermo-plastic resin material in tape form and a cement sold in combination therewith. Hanson-Van Winkle-Munning Company. 554,155, Jan. 29; Serial No. 562,141, published Oct. 16, 1951.

CLASS 6

Active carbon. N. V. Algemeene Norit Maatschappij. 435,640, Jan. 6, 1948. Corrected. O. G. Jan. 29.

Bacteria culture medium. M. Klein. 554,254, Jan. 29; Serial No. 608,007, published Oct. 30, 1951.

Calcium carbonate. Culligan Zeolite Company. 554,277, Jan. 29; Serial No. 609,847, published Oct. 30, 1951.

Chemical products. N. V. Chemische Fabriek "Rotterdam." 288,678, renewed Nov. 3, 1951. O. G. Jan. 29.

Chemical products. Sandoz Chemical Works, Inc., New York, N. Y. 292,858, renewed Mar. 29, 1952. O. G. Jan. 29.

Deodorant and disinfectant. Undertakers Supply Co. 554,274, Jan. 29; Serial No. 609,822, published Oct. 30, 1951.

Embalming fluid. Undertakers Supply Co. 554,275, Jan. 29; Serial No. 609,823, published Oct. 30, 1951.

Insect repellent. Stanco Incorporated. 290,104, renewed Dec. 22, 1951. O. G. Jan. 29.

Insecticides. Virginia Smelting Company. 554,280, Jan. 29; Serial No. 609,990, published Oct. 30, 1951.

Insecticides and agricultural fungicides. Southern Acid & Sulphur Company, Incorporated. 554,165, Jan. 29; Serial No. 576,165, published Nov. 6, 1951.

Mixture of oil and a condensation product of heptaldehyde and aniline. The Naugatuck Chemical Company. 290,030, renewed Dec. 22, 1951. O. G. Jan. 29.

Petroleum products, to-wit: propane, butane, etc. Otto Gas, Incorporated. 554,166, Jan. 29; Serial No. 576,831, published Oct. 16, 1951.

Plating solutions. Ward Leonard Electric Company. 554,276, Jan. 29; Serial No. 609,825, published Oct. 30, 1951.

Preparation for killing weeds and destroying vermin, rodenticides, and disinfectants. Geigy Company, Inc. 554,271, Jan. 29; Serial No. 609,546, published Oct. 30, 1951.

Retarder of prevulcanization in the vulcanizing of rubbers. Chemico, Inc. 554,264, Jan. 29; Serial No. 609,075, published Oct. 30, 1951.

Solid fuel. S. Sternau & Co. 105,426, July 20, 1915. Republished Jan. 29.

Solid fuel. S. Sternau & Co. 112,328, Aug. 29, 1916. Republished Jan. 29.

Tool cooling liquid. Economic Products, Inc. 554,304, Jan. 29; Serial No. 572,894.

Unrefined zinc laurate. The Naugatuck Chemical Company. 288,670, renewed Nov. 3, 1951. O. G. Jan. 29.

Washing blue. Diamond, McDonnell & Co. 292,425, renewed Mar. 15, 1952. O. G. Jan. 29.

Wood preservative, Colorless and odorless. Protexol Corporation. 184,197, May 20, 1924. Republished Jan. 29.

Wood preservatives. Carbolineum Wood Preserving Company. 121,868, June 11, 1918. Republished Jan. 29.

Wood - preserving material. Protexol Corporation. 184,195–6, May 20, 1924. Republished Jan. 29.

CLASS 7

Rope, Preformed wire. Broderick & Bascom Rope Company. 292,388, renewed Mar. 15, 1952. O. G. Jan. 29.

CLASS 9

Matches. Björneborgs Tändsticksfabriks Aktiebolag. 554,270, Jan. 29; Serial No. 609,472, published Oct. 30, 1951.

Matches. The Diamond Match Company. 554,198, Jan. 29; Serial No. 589,646, published Nov. 13, 1951.

CLASS 10

Fertilizers. Caldwell Seed Company. 340,201, Nov. 3, 1936. New certificate. O. G. Jan. 29.

Fertilizers, Organic. Compost Corporation of America. 554,288, Jan. 29; Serial No. 611,019, published Nov. 6, 1951.

CLASS 11

Ink. The National Cash Register Company. 554,261–3, Jan. 29; Serial No. 608,885–7, published Nov. 13, 1951.

Inks, Mimeograph, Mimeograph protective covers, etc. A. B. Dick Company. 554,177, Jan. 29; Serial No. 582,214, published Sept. 18, 1951.

Printing paste, Pigmented emulsion. Anders Chemical Corporation. 554,213, Jan. 29; Serial No. 595,528, published Sept. 4, 1951.

CLASS 12

Caulking compound. A. Goss. 554,146, Jan. 29; Serial No. 546,582, published Sept. 25, 1951.

Insulation material, Asbestos. The Philip Carey Manufacturing Company. 554,151, Jan. 29; Serial No. 556,409, published Oct. 9, 1951.

Lime. Longview Lime Works. 279,811, renewed Jan. 27, 1951. O. G. Jan. 29.

Lime. Saginaw Lime & Stone Co. 278,618, renewed Dec. 23, 1950. O. G. Jan. 29.

Lumber. Protexol Corporation. 401,345, May 11, 1943. Republished Jan. 29.

Weatherstrip-like material. C. Blum. 554,183, Jan. 29; Serial No. 584,791, published Oct. 9, 1951.

CLASS 13

Automatic sprinkler apparatus and parts thereof. "Automatic" Sprinkler Corporation of America. 554,191, Jan. 29; Serial No. 586,906, published Nov. 6, 1951.

Chains, Tire. Lloyd Chain Manufacturing Co. 554,168, Jan. 29; Serial No. 577,676, published Nov. 6, 1951.

Dispenser, Gravity liquid soap. Hillyard Chemical Company. 292,374, renewed Mar. 15, 1952. O. G. Jan. 29.

Gage and thief holes, vacuum and pressure relief valves, etc. The Oil Conservation Engineering Company. 199,815, June 16, 1925. Republished Jan. 29.

Nails, Spiral. Eastern States Farmers' Exchange. 554,160, Jan. 29; Serial No. 569,363, published Nov. 6, 1951.

Toilet seats. Plastics Engineering Company. 554,237, Jan. 29; Serial No. 602,334, published Nov. 6, 1951.

Toilet seats. Plastics Engineering Company. 554,242, Jan. 29; Serial No. 604,610, published Nov. 6, 1951.

Valve ball, Moulded rubber. Wolverine Brass Works. 287,823, renewed Oct. 13, 1951. O. G. Jan. 29.

Valves. Hanna Engineering Works. 554,149, Jan. 29; Serial No. 554,665, published Nov. 6, 1951.

Valves, Control, and boiler plugs. The Triplex Heating Specialty Company, Incorporated. 554,143, Jan. 29; Serial No. 534,568, published Nov. 6, 1951.

CLASS 14

Castings, Rough and partly finished. Meehanite Metal Corporation. 554,306, Jan. 29; Serial No. 585,388.

Diecastings, Aluminum. Rupert Diecasting Company. 554,305, Jan. 29; Serial No. 580,379.

Rods, Welding. Air Reduction Sales Company. 288,570, renewed Nov. 3, 1951. O. G. Jan. 29.

Steel, Sheet. Inland Steel Company. 412,799, Mar. 27, 1945. Republished Jan. 29.

Wire. The Webb Wire Works. 83,795, re-renewed Oct. 10, 1951. O. G. Jan. 29.

CLASS 15

Hydrocarbon diesel fuels. The Robert T. Pollock Corporation. 554,229, Jan. 29; Serial No. 600,616, published Oct. 16, 1951.

Oil, Lubricating. Standard Oil Company of New Jersey. 287,718, renewed Oct. 6, 1951. O. G. Jan. 29.

Oil, Lubricating. Sun Oil Company. 554,225, Jan. 29; Serial No. 598,690, published Sept. 11, 1951.
Oil, Motor lubricating. Inter-State Oil Co. 554,145, Jan. 29; Serial No. 541,681, published Sept. 11, 1951.
Oils, Lubricating. Stanco Incorporated. 289,956, renewed Dec. 15, 1951. O. G. Jan. 29.
Oils, Lubricating. Union Oil Company of California. 554,227, Jan. 29; Serial No. 598,819, published Oct. 16, 1951.
Oils, Lubricating, and fuel oil. Consumers Oil Company. 554,238, Jan. 29; Serial No. 602,826, published Sept. 11, 1951.
Petroleum products and derivatives. Paragon Oil Company, Inc. 554,157, Jan. 29; Serial No. 565,299, published Sept. 11, 1951.
Waxes. S. B. Penick & Company. 554,233, Jan. 29; Serial No. 601,525, published Oct. 16, 1951.

CLASS 16

Asphaltic coating compound, Flexible. Anderson-Prichard Oil Corporation. 554,153, Jan. 29; Serial No. 558,441, published Nov. 6, 1951.
Carbon black to be used as a pigment in paints, etc. Godfrey L. Cabot, Inc. 554,206, Jan. 29; Serial No. 592,300, published Oct. 30, 1951.
Coatings, Enamel. Deere & Company. 554,259, Jan. 29; Serial No. 608,592, published Oct. 30, 1951.
Enamel. F. O. Pierce Company. 554,286, Jan. 29; Serial No. 610,336, published Nov. 13, 1951.
Paint and varnish remover, Liquid. Golden Bear Products, Inc. 554,273, Jan. 29; Serial No. 609,643, published Nov. 6, 1951.
Paint pigment. The Fireiure Corporation. 554,203, Jan. 29; Serial No. 591,158, published Nov. 6, 1951.
Paint, Ready mixed. Pabco Products, Inc. 554,300, Jan. 29; Serial No. 558,584.
Paint, Ready mixed oil. New Method Paint Co. 554,251, Jan. 29; Serial No. 607,507, published Nov. 6, 1951.
Painting powder. Binney & Smith Company. 554,268, Jan. 29; Serial No. 609,356, published Oct. 30, 1951.
Paints, Dry and ready mixed, varnishes, paint-enamels, etc. The Patterson-Sargent Company. 289,056, renewed Nov. 17, 1951. O. G. Jan. 29.
Paints including enamels, Liquid. Seymour of Sycamore, Inc. 554,228, Jan. 29; Serial No. 599,025, published Oct. 30, 1951.
Paints, Ready-mixed. The Patterson-Sargent Company. 554,257, Jan. 29; Serial No. 608,370, published Oct. 30, 1951.
Paints, Ready-mixed, paint enamels and lacquers. Kansas Paint & Color Company. 554,140, Jan. 29; Serial No. 516,905, published Nov. 13, 1951.
Paints, Ready-mixed, priming paints and finishing paints, etc. Imperial Chemical Industries Limited. 554,211, Jan. 29; Serial No. 594,784, published Oct. 30, 1951.
Paints, waterproofing paints, paint driers, etc. The Farboil Company. 554,243, Jan. 29; Serial No. 605,513, published Oct. 30, 1951.
Pigments for use in coloring paint, Soluble color. New England Paint Works, Inc. 554,241, Jan 29; Serial No. 603,809, published Oct. 30, 1951.
Plastic lacquer spray. Western Lithograph Company. 554,281, Jan. 29; Serial No. 609,991, published Oct. 30, 1951.
Shellac, Prepared. James B. Day & Co. 554,289, Jan. 29; Serial No. 611,944, published Nov. 6, 1951.
Turpentine. The Champion Paper and Fibre Company. 554,164, Jan. 29; Serial No. 574,894, published Oct. 30, 1951.
Varnish. Interchemical Corporation. 554,147, Jan. 29; Serial No. 553,199, published Nov. 6, 1951.
Varnishes, lacquers, wood sealers, etc. Breinig Brothers, Inc. 554,142, Jan. 29; Serial No. 530,802, published Oct. 23, 1951.

CLASS 18

Antiseptic and disinfecting agent. Cetylite Industries, Inc. 554,256, Jan. 29; Serial No. 608,238, published Oct. 9, 1951.
Capsules, pills, and medicated jujubes. F. W. Warrick. 83,874, re-renewed Oct. 17, 1951. O. G. Jan. 29.
Digitalis and iron citrate and copper nucleate. Parke, Davis & Company. 291,134, renewed Jan. 26, 1952. O. G. Jan. 29.
Drug of steroidal nature. Schering Corporation. 554,253, Jan. 29; Serial No. 607,686, published Oct. 16, 1951.
Epithelial stimulant. Chicago Pharmacal Company. 395,678, June 2, 1942. Republished Jan. 29.
Liver medicine. Chattanooga Medicine Co. 84,900, Jan. 9, 1912. Republished Jan. 29.
Oral vasopressor. Winthrop-Stearns Inc. 554,282, Jan. 29; Serial No. 610,039, published Oct. 16, 1951.
Pharmaceutical preparation. The S. E. Massengill Company. 538,256, Feb. 20, 1951. Amended. O. G. Jan. 29.
Pharmaceutical preparation. The Panray Corp. 554,269, Jan. 29; Serial No. 609,376, published Oct. 16, 1951.
Polyvalent vaccine. G. Streuli & Co. 554,265, Jan. 29; Serial No. 609,108, published Oct. 16, 1951.
Sedative medicine. A. G. Horowitz. 554,287, Jan. 29; Serial No. 610,444, published Oct. 16, 1951.
Vitamin tablets containing vitamins B_{12} and folic acid. Neoco Corporation. 554,285, Jan. 29; Serial No. 610,184, published Oct. 16, 1951.

CLASS 21

Electrical apparatus. The Pyle-National Company. 554,290, Jan. 29; Serial No. 612,537, published Oct. 30, 1951.
Electrical condensers and contacts or breaker points. Springfield Electrical Specialties, Inc. 554,292, Jan. 29; Serial No. 615,294, published Nov. 13, 1951.
Electrical goods. Switchcraft, Inc. 554,294, Jan. 29; Serial No. 617,591, published Nov. 6, 1951.
Soft compressed magnetic flake material used as chokes, transformers, reactors. The Plessey Company Limited. 554,221, Jan. 29; Serial No. 597,901, published Nov. 13, 1951.

CLASS 22

Artificial fish bait. Lur-All Tackle and Manufacturing Company. 554,202, Jan. 29; Serial No. 590,511, published Nov. 6, 1951.
Artificial fish baits. Lur-All Tackle and Manufacturing Company. 554,179, Jan. 29; Serial No. 582,535, published Nov. 6, 1951.
Artificial fish lures. Wallace Industries. 554,150, Jan. 29; Serial No. 555,121, published Nov. 6, 1951.
Baseball pitching machines, Automatic. Automatic Baseball Equipment Corporation. 554,293, Jan. 29; Serial No. 616,891, published Nov. 6, 1951.
Bottoms, bases, and inserts adapted to be attached to the bases of bowling pins, etc. American Machine & Foundry Company. 554,195, Jan. 29; Serial No. 588,673, published Nov. 6, 1951.
Casting rods. It Products, Inc. 554,159, Jan. 29; Serial No. 568,375, published Oct. 30, 1951.
Dolls, Decorative. P. Peters. 554,173, Jan. 29; Serial No. 579,887, published Oct. 9, 1951.
Fishing lines and leaders, strings for tennis racquets, etc. Imperial Chemical Industries Limited. 554,212, Jan. 29; Serial No. 594,788, published Oct. 9, 1951.
Fishing rods. The Kitkast Co. 554,214, Jan. 29; Serial No. 595,790, published Oct. 16, 1951.
Fishing rods. Langley Corporation. 554,235, Jan. 29; Serial No. 602,097, published Nov. 6, 1951.
Fishing rods, and more particularly bait casting rods. South Bend Bait Company. 554,303, Jan. 29; Serial No. 572,384.
Fishing rods, fishing reels, fishing plugs, etc. The Fireiure Corporation. 554,196, Jan. 29; Serial No. 589,206, published Nov. 6, 1951.
Game. R. J. Kerdasha. 554,209, Jan. 29; Serial No. 593,541, published Nov. 6, 1951.
Game, Card. J. H. Kerr. 554,236, Jan. 29; Serial No. 602,155, published Nov. 6, 1951.
Games comprising pieces which are arranged to form pictures. Echelon Company. 554,308, Jan. 29; Serial No. 590,306.
Games, Indoor board. Tudor Metal Products Corp. 554,200, Jan. 29; Serial No. 590,112, published Nov. 6, 1951.
Games, Outdoor. Jokari Corporation. 554,218, Jan. 29; Serial No. 597,338, published Oct. 9, 1951.
Games played with movable pieces. Educational Toys, Inc. 554,307, Jan. 29; Serial No. 588,565.
Miniature or toy seed testers. L. H. Carufel Co. 554,239, Jan. 29; Serial No. 602,999, published Oct. 16, 1951.
Playing cards and card games. Phalam International Agency, S. A. 554,162, Jan. 29; Serial No. 572,199, published Oct. 16, 1951.
Toy animals, Stuffed, and stuffed dolls. Ideal Toy Corporation. 554,291, Jan. 29; Serial No. 612,616, published Nov. 6, 1951.
Toy dog. Orianna Metal Products, Inc. 554,148, Jan. 29; Serial No. 553,896, published Oct. 9, 1951.
Toy doll. J. E. McConnell. 554,301, Jan. 29; Serial No. 561,574.
Toys, Floating water. R & F Co, Inc. 554,279, Jan. 29; Serial No. 609,945, published Nov. 6, 1951.
Toys, Inflatable. Kestral Corporation. 554,207, Jan. 29; Serial No. 592,430, published Oct. 16, 1951.
Toys, Rubber. H. M. Dorn. 554,158, Jan. 29; Serial No. 567,242, published Oct. 23, 1951.
Toys, Wheeled pull. Childlore Company. 554,226, Jan. 29; Serial No. 598,783, published Nov. 6, 1951.

CLASS 23

Corn shellers. Harvey Manufacturing Company. 425,992, Dec. 10, 1946. Republished Jan. 29.
Drill chucks. Consolidated Machine Tool Corporation of America. 292,142, renewed Mar. 1, 1952. O. G. Jan. 29.
Portable ice vending stations and parts thereof. R. Copeland. 291,997, renewed Mar. 1, 1952. O. G. Jan. 29.
Saws. E. C. Atkins and Company. 82,950, re-renewed Aug. 8, 1951. O. G. Jan. 29.
Winches, Swing-pipe, swing-pipe cable guides. The Oil Conservation Engineering Company. 199,684, June 16, 1925. Republished Jan. 29.

CLASS 24

Clothespins. The Diamond Match Company. 554,199, Jan. 29; Serial No. 589,647, published Nov. 6, 1951.
Gasoline, kerosene, gas, and charcoal smoothing irons. S. F. Appliances, Limited. 554,156, Jan. 29; Serial No. 564,968, published Nov. 13, 1951.
Ironers, Electric roll-type. Empire Ironer, Inc. 554,267, Jan. 29; Serial No. 609,287, published Nov. 13, 1951.

Ironing board pads and covers. D. Lehrman. 554,252, Jan. 29; Serial No. 607,393, published Nov. 13, 1951.
Laundry presses. The Unipress Company, Incorporated. 554,154, Jan. 29; Serial No. 561,957, published Oct. 30, 1951.
Laundry washing machines. H. D. Brotman. 554,208, Jan. 29; Serial No. 592,697, published Nov. 13, 1951.
Washing machines, Laundry. Barlow & Seelig Mfg. Co. 281,149, renewed Mar. 10, 1951. O. G. Jan. 29.

CLASS 26

Brown-print papers and cloths. Keuffel & Esser Company. 288,278, renewed Oct. 20, 1951. O. G. Jan. 29.
Gauges, Engine-compression. Bacharach Industrial Instrument Company. 554,299, Jan. 29; Serial No. 557,490.
Indicators, Oil-level, automatic pressure gauges and gauge bobs. The Oil Conservation Engineering Company. 199,177, June 2, 1925. Republished Jan. 29.
Leveling rods, Surveyors'. Keuffel & Esser Company. 288,192, renewed Oct. 20, 1951. O. G. Jan. 29.
Measuring wheels. Staples and McCrory. 554,302, Jan. 29; Serial No. 568,220.
Rules, Slide. Keuffel & Esser Company. 289,154, renewed Nov. 17, 1951. O. G. Jan. 29.

CLASS 27

Watch cases. Star Watch Case Company. 84,196, renewed Nov. 14, 1951. O. G. Jan. 29.

CLASS 28

Articles of jewelry. Taunton Pearl Works. 554,250, Jan. 29; Serial No. 606,988, published Oct. 30, 1951.
Belt buckles and slides, jewelry. Hickok Manufacturing Co. Inc. 554,223, Jan. 29; Serial No. 598,015, published Oct. 30, 1951.
Bracelets and watch bracelets. Jacoby-Bender, Inc. 554,255, Jan. 29; Serial No. 608,041, published Oct. 30, 1951.
Buckles, Belt, and slides for belts, collar buttons, collar holders, etc. Hickok Manufacturing Co. Inc. 554,185, Jan. 29; Serial No. 585,931, published Oct. 30, 1951.
Buckles, Belt, and slides for belts, collar buttons, collar holders, etc. Hickok Manufacturing Co. Inc. 554,186, Jan. 29; Serial No. 585,934, published Oct. 30, 1951.
Earrings, Pearl, pearl necklaces, pearl brooches, etc. Weinreich Brothers Company. 554,190, Jan. 29; Serial No. 586,446, published Oct. 30, 1951.
Gifts comprising handmade silver jewelry. Talent, Incorporated. 554,171, Jan. 29; Serial No. 578,739, published Oct. 30, 1951.
Jewelry, Gold and platinum. Skalet Manufacturing Co. Inc. 554,260, Jan. 29; Serial No. 608,720, published Oct. 30, 1951.
Jewelry, Real and costume, and jewelers' findings. Parco Mfg., Inc. 554,249, Jan. 29; Serial No. 606,894, published Oct. 30, 1951.
Jewelry, Simulated pearl. P. Rand. 554,204, Jan. 29; Serial No. 591,255, published Oct. 30, 1951.
Necklaces, Pearl, pearl earrings, pearl bracelets, etc. Weinreich Brothers Company. 554,188, Jan. 29; Serial No. 586,444, published Oct. 30, 1951.
Necklaces, Pearl, pearl earrings, pearl brooches, etc. Weinreich Brothers Company. 554,189, Jan. 29; Serial No. 586,445, published Oct. 30, 1951.
Pins, badges and rings. Alpha Phi International Fraternity. 292,054, renewed Mar. 1, 1952. O. G. Jan. 29.
Rings, Finger. Eisenstadt Manufacturing Company. 554,172, Jan. 29; Serial No. 579,270, published Oct. 30, 1951.
Table ware, Silver plated. The International Silver Company. 554,272, Jan. 29; Serial No. 609,594, published Oct. 30, 1951.
Wrist watch bands, wrist watch straps and wrist watch loops. R. E. Morman. 554,180, Jan. 29; Serial No. 583,811, published Oct. 30, 1951.

CLASS 29

Broom, mop, sweeper, and brush handles. White Wood Products Co., Inc. 554,248, Jan. 29; Serial No. 606,832, published Sept. 4, 1951.
Brushes, Eyebrow, and mascara brushes. Maybelline Co. 554,266, Jan. 29; Serial No. 609,247, published Oct. 30, 1951.
Brushes, Ladies' hair. Simon Greenblatt & Son, Inc. 554,283–4, Jan. 29; Serial Nos. 610,060–1, published Oct. 30, 1951.
Brushes, Paint. Baker Brush Co., Inc. 554,163, Jan. 29; Serial No. 574,270, published Sept. 4, 1951.
Brushes, Tooth. C. C. Davis. 554,176, Jan. 29; Serial No. 581,253, published Sept. 4, 1951.
Brushes, Wall, stucco brushes, varnish brushes, etc. Hanlon & Goodman Co. 554,217, Jan. 29; Serial No. 597,272, published Oct. 30, 1951.
Paint roller. King Paint Roller, Inc. 554,240, Jan. 29; Serial No. 603,067, published Nov. 13, 1951.
Squeegee. Warren & Staggers. 554,245, Jan. 29; Serial No. 606,095, published Sept. 4, 1951.
Toothbrushes. Williams Brush Company, Inc. 554,244, Jan. 29; Serial No. 605,977, published Sept. 4, 1951.
Unimpregnated polishing, cleaning and dusting mitt. H. C. Rippe. 554,182, Jan. 29; Serial No. 584,696, published Sept. 4, 1951.

CLASS 32

Secretaries, chests, desks, etc. Marshall Field & Company. 292,477, renewed Mar. 15, 1952. O. G. Jan. 29.

CLASS 34

Cooking stands, stoves, teakettle heating outfits, etc. S. Sternau & Co. Inc. 178,221, Jan. 8, 1924. Republished Jan. 29.
Furnaces, Gas. International Sales Company. 554,309, Jan 29; Serial No. 592,633.
Furnaces, Gas, oil and coal fired warm air. The Williamson Heater Company. 554,310, Jan. 29; Serial No. 593,700.
Ventilators, Forced draft. Fasco Industries, Inc. 554,311, Jan. 29; Serial No. 597,878.

CLASS 35

Automobile fan and generator belts, etc. The Gates Rubber Company. 291,991, renewed Mar. 1, 1952. O. G. Jan. 29.
Belting, hose, and packing. United States Rubber Company. 288,179, renewed Oct. 20, 1951. O. G. Jan. 29.
Disc adapted to be positioned between the wheel and brake drum of an automobile, etc. E. A. Mowll. 554,192, Jan. 29; Serial No. 588,040, published Nov. 13, 1951.
Piston rings. Perfect Circle Corporation. 554,258, Jan. 29; Serial No. 608,511, published Oct. 30, 1951.
Seals for rotating shafts. Gits Bros. Mfg. Co. 554,178, Jan. 29; Serial No. 582,285, published Oct. 30, 1951.
Tires, Rubber. United States Rubber Company. 554,247, Jan. 29; Serial No. 606,638, published Oct. 30, 1951.
Tires, Semi-pneumatic rubber. The Ohio Rubber Company. 554,278, Jan. 29; Serial No. 609,878, published Nov. 13, 1951.
V-belts. Boston Woven Hose and Rubber Company. 554,167, Jan. 29; Serial No. 577,362, published Oct. 30, 1951.
Washers, Nonmetallic, faucet cushions, etc. C. F. Hause. 282,020, renewed Apr. 7, 1951. O. G. Jan. 29.

CLASS 37

Paper, Toilet. Pacific Coast Paper Mills. 291,323, renewed Feb. 9, 1952. O. G. Jan. 29.

CLASS 39

Blouses, collars, shirts, Men's and boys'. Aero Neck Band & Collar Co. Inc. 291,645, renewed Feb. 23, 1952. O. G. Jan. 29.
Blouses, dresses, sweaters, etc., Misses' and women's. Emily Shops, Inc. 234,249, Oct. 18, 1927. Republished Jan. 29, 1952.
Coats, Ladies', men's coats, and children coats. Ellis Cont Co., Inc. 397,400, Sept. 8, 1942. Republished Jan. 29.
Hosiery. Julius Kayser & Co. 289,096, Nov. 17, 1931. Republished Jan. 29.
Shirts, Dress and negligee. The May Department Stores Company. 287,847, renewed Oct. 13, 1951. O. G. Jan. 29.
Shirts, Negligee, dress shirts, sport shirts, etc. The Manhattan Shirt Company. 291,021, renewed Jan. 26, 1952. O. G. Jan. 29.
Shoes, boots, and slippers. A. De Pinna Co., Inc. 285,133, renewed July 14, 1951. O. G. Jan. 29.

CLASS 42

Fabric, Woven elastic, piece goods; wide elastic webbings, etc. Darlington Fabrics Corporation. 390,365, Sept. 23, 1941. Republished Jan. 29.
Piece goods, Cotton. Charles C. Davis and Company. 291,005, renewed Jan. 26, 1952. O. G. Jan. 29.
Piece goods; elastic webbings and elastic sheetings. Darlington Fabrics Corporation. 349,174, Aug. 24, 1937. Republished Jan. 29.

CLASS 43

Yarn, Elastic. Darlington Fabrics Corporation. 360,053, Sept. 6, 1938. Republished Jan. 29.

CLASS 44

Mercury and for noble metal alloys for dental use. Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 288,386, renewed Oct. 27, 1951. O. G. Jan. 29.
Shade guides for artificial teeth. The Dentists' Supply Company of New York. 554,184, Jan. 29; Serial No. 585,105, published Oct. 16, 1951.
Silver alloys for dental use. Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 288,384–5, renewed Oct. 27, 1951. O. G. Jan. 29.
Therapeutic appliances. G. K. Berrisford. 554,197, Jan. 29; Serial No. 589,556, published Oct. 16, 1951.

CLASS 46

Canned fish. Beacon Importing Co. 408,561, Aug. 15, 1944. Republished Jan. 29.
Canned fish. Beacon Importing Co. 408,923, Sept. 5, 1944. Republished Jan. 29.
Canned salmon. Beacon Importing Co. 397,323, Sept. 1, 1942. Republished Jan. 29.

Canned salmon. Beacon Importing Co. 397,840, Sept. 22, 1942. Republished Jan. 29.

Canned tomato paste, canned vegetables, canned fruits, etc. Moosalina Products Corp. 403,174, Sept. 7, 1943. Republished Jan. 29.

Canned vegetables, canned berries, tomato ketchup, etc. Erie County Frosted Foods and Canning Corporation. 554,298, Jan. 29; Serial No. 524,868.

Canned vegetables, canned cactus leaves, canned chile in sauce, etc. J. Walker. 265,938, Jan. 7, 1930. Republished Jan. 29.

Cheese, grated cheese, pasteurized process cheese, etc. Kraft Foods Company. 554,187, Jan. 29; Serial No. 586,004, published Oct. 30, 1951.

Cherries, apricots, peaches, etc., Fresh. California Fruit Exchange. 92,532, July 15, 1913. Republished Jan. 29.

Cherries, apricots, peaches, etc., Fresh. California Fruit Exchange. 222,774, Jan. 11, 1927. Republished Jan. 29.

Cherries, apricots, peaches, etc., Fresh. California Fruit Exchange. 224,869, Mar. 8, 1927. Republished Jan. 29.

Confections and chocolates. Paul F. Beich Company. 84,811, re-renewed Jan. 9, 1952. O. G. Jan. 29.

Egg noodles, Pure, spaghetti, and macaroni. Dutch Maid Food Packing Company, Inc. 356,043, Apr. 12, 1938. Republished Jan. 29.

Fish, Salted, smoked, pickled, and canned. Sylvanus Smith & Co., Inc. 85,690, re-renewed Mar. 5, 1952. O. G. Jan. 29.

Flour, Wheat. General Mills, Inc. 292,625, renewed Mar. 22, 1952. O. G. Jan. 29.

Fruits, Fresh. California Fruit Exchange. 123,687. Dec. 3, 1918. Republished Jan. 29.

Fruits, Fresh deciduous. California Fruit Exchange. 433,767, Oct. 28, 1947. Republished Jan. 29.

Matzos, being flat squares of unleavened bread. B. Manischewitz. 85,666, re-renewed Mar. 5, 1952. O. G. Jan. 29.

Milk and cream, butter, eggs, etc. Henry Becker & Son, Inc. 292,115, renewed Mar. 1, 1952. O. G. Jan. 29.

Olive oil. Hochheiser & Weisberg, Inc. 205,782, Nov. 17, 1925. Republished Jan. 29.

Oranges. Upland Citrus Ass'n. 85,927, re-renewed Mar. 26, 1952. O. G. Jan. 29.

Salt. Texaco Salt Products Company. 291,445, renewed Feb. 9, 1952. O. G. Jan. 29.

CLASS 48

Beer, ale, porter, half and half, and brown stout. The West End Brewing Co. 85,531, re-renewed Feb. 20, 1952. O. G. Jan. 29.

CLASS 49

Whiskey and brandy. Jack Daniel Distillery, Lem Motlow, Prop., Inc. 444,537, July 31, 1951. Republished Jan. 29.

CLASS 50

Dispensing caps or tops for receptacles. Double Duty Products, Inc. 341,434, Dec. 8, 1936. Republished Jan. 29.

CLASS 51

Antiseptic liquid. The R. L. Company. 84,129, re-renewed Nov. 7, 1951. O. G. Jan. 29.

Cologne, dusting powder, face powder, etc. Pitkin, Inc. 554,144, Jan. 29; Serial No. 537,619, published Oct. 2, 1951.

Face and hand lotions, creams, powder, etc. John N. McMath Co. 554,224, Jan. 29; Serial No. 598,663, published Sept. 11, 1951.

Face powder, dusting powder, talcum powder, etc. Marcelle Cosmetics, Inc. 549,015, Oct. 2, 1951. Corrected. O. G. Jan. 29.

Perfumed oils. Newport Chemical Works, Incorporated. 291,305, renewed Feb. 9, 1952. O. G. Jan. 29.

Perfumery. E. Daltroff & Cie. 287,517, renewed Sept. 29, 1951. O. G. Jan. 29.

Perfumes. Richard Hudnut. 37,922, re-renewed Mar. 11, 1952. O. G. Jan. 29.

Perfumes, toilet waters, rouge, etc. Parfumerie Lubin, Societe Anonyme. 554,139, Jan. 29; Serial No. 516,632, published Sept. 25, 1951.

Rouge and creme makeup base. Richard Hudnut. 554,222, Jan. 29; Serial No. 597,959, published Sept. 11, 1951.

Toilet water, cologne, perfume, etc. Parfums Blanchard. 554,194, Jan. 29; Serial No. 588,383, published Oct. 16, 1951.

Treatment for dandruff. The Odell Co. Inc. 292,778, renewed Mar. 29, 1952. O. G. Jan. 29.

CLASS 52

Cleaner, Chemical. E. C. Schiesser. 554,230, Jan. 29; Serial No. 600,789, published Oct. 16, 1951.

Cleaner, Toilet bowl. Service Industries. 554,246, Jan. 29; Serial No. 606,495, published Oct. 30, 1951.

Cleaner, Wallpaper. Streator Canning Company. 554,216, Jan. 29; Serial No. 597,024, published Oct. 16, 1951.

Cleaning compound, Liquid. A. De Capio. 554,205, Jan. 29; Serial No. 591,407, published Oct. 30, 1951.

Cleaning fluid. Kaufmann Department Stores, Inc. 289,657, renewed Dec. 1, 1951. O. G. Jan. 29.

Cleansing preparation, Skin. Columbia Ribbon & Carbon Manufacturing Company, Inc. 554,141, Jan. 29; Serial No. 520,202, published Nov. 6, 1951.

Detergent. Allied Chemical & Dye Corporation. 554,201, Jan. 29; Serial No. 590,477, published Oct. 30, 1951.

Shampoo. G. J. Chauvin. 554,220, Jan. 29; Serial No. 597,812, published Nov. 6, 1951.

Shampoo. M. Sahyun. 554,219, Jan. 29; Serial No. 597,354, published Nov. 6, 1951.

Shampoo preparations, liquid hair cleaners, etc. John H. Breck, Inc. 554,181, Jan. 29; Serial No. 584,383, published Oct. 16, 1951.

Soap and shampoo. Marcelle Cosmetics, Inc. 554,231, Jan. 29; Serial No. 601,056, published Oct. 16, 1951.

Soap, Powdered, paste soap, and a powdered general cleaning compound. Bever Chemical Works. 294,475, May 31, 1932. Republished Jan. 29.

Sodium salt of dodecyle benzene sulfonate which is used as a detergent. Jacques Wolf & Co. 554,174, Jan. 29; Serial No. 580,162, published Oct. 30, 1951.

Solvent, Volatile. Optimus Equipment Company. 554,152, Jan. 29; Serial No. 558,281, published Nov. 6, 1951.

CLASS 103

Inspection, adjustment, repair and rebuilding of automotive parts, etc. General Motors Corporation. 554,295, Jan. 29; Serial No. 552,648, published Nov. 6, 1951.

CLASS 104

Broadcasting services, Radio program. Westinghouse Radio Stations, Inc. 554,296, Jan. 29; Serial No. 565,396, published Nov. 6, 1951.

CLASS 107

Entertainment service. T. H. Ahrens. 554,297, Jan. 29; Serial No. 594,242, published Nov. 6, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29th DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bowen, Kermit A., La Mesa, Calif. Robo-chord. Re. 23,458, Jan. 29.

LIST OF PLANT PATENTEES

Ecke, Paul, Encinitas, Calif. Poinsettia plant. 1,068, Jan. 29.

Grepke, Henry D., Fort Wayne, Ind., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Spirea plant. 1,069, Jan. 29.

Pinney, John J., assignor to The Willis Nursery Company, Ottawa, Kans. Evergreen tree. 1,070, Jan. 29.

Stark Bro's Nurseries and Orchards Company, assignee: *See*—
Grepke, Henry D.

Willis Nursery Company, The, assignee: *See*—
Pinney, John J.

LIST OF DESIGN PATENTEES

Abahazi, John, Jr., Lorain, Ohio. Stroller. 165,730, Jan. 29.

Adler, Samuel E., Chicago, Ill. Combined television and radio-phonograph cabinet. 165,731, Jan. 29.

Alcore Novelty Company, assignee: *See*—
Pagliuca, Michael.

Anderson, Henry S., Holden, Mass. Christmas tree. 165,732, Jan. 29.

Arrow Manufacturing Company, Incorporated, assignee: *See*—
Weill, Milton.

Bargen, William J., Waukegan, Ill. School desk and seat frame. 165,733, Jan. 29.

Barton, Murray M., assignor to Injection Molding Company, Kansas City, Mo. Combined bottle and bottle cap. 165,734, Jan. 29.

Bates, C. J., & Son, assignee: *See*—
Joslyn, Stuart S.

Bayless, Ralph L., and E. G. Stout, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplane. 165,735, Jan. 29.

Bell & Howell Company, assignee: *See*—
Reinecke, Jean O.

Bley, Llewellyn, Ridgefield Park, N. J., assignor to Llewellyn, Inc., New York, N. Y. Lady's handbag. 165,736, Jan. 29.

Blum, Robert D., Jr.: *See*—
Schwartz, Shepard B., and Blum.

Bourke, Robert E., assignor to The Studebaker Corporation, South Bend, Ind. Steering wheel. 165,737, Jan. 29.

Breer, Raymond J.: *See*—
Pennock, Robert L., Jr., and Breer.

Brochstein, Isaac S., Houston, Tex. Light fixture. 165,738, Jan. 29.

Castleton China Incornorated, assignee: *See*—
Costigan, Philip R.

Champion, William J., Mystic, Conn. Game board. 165,739, Jan. 29.

Chrysler Corporation, assignee: *See*—
Halbeisen, John F.

City National Bank and Trust Company, administrator: *See*—
Gemmill, Clark H.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Bayless, Ralph L., and Stout.

Cooper, Sidney T., Plainview, Tex. Playing unit for game tables or similar articles. 165,740, Jan. 29.

Corning Glass Works, assignee: *See*—
Horne, Willard R.

Costigan, Philip R., Hamburg, Pa., assignor to Castleton China Incorporated, New York, N. Y. Plate or the like. 165,741, Jan. 29.

Culver, Edwin R., Jr., assignor to Wrought Iron Range Company, St. Louis, Mo. Electric range. 165,742, Jan. 29.

Daum, Warren: *See*—
Offutt, Glenn, and Daum.

Denworth, Harry: *See*—
Shilin, Abe, and Denworth.

Dieckmann, Otto, Cincinnati, Ohio. Measuring device for semisolids. 165,743, Jan. 29.

Ferguson, Harry, Inc., assignee: *See*—
Klemm, Herman G.
Klemm, Herman G., and Nelson.

Fishman, Isidor, Brooklyn, N. Y. Combined holder for oysterettes and sea food condiments. 165,744, Jan. 29.

Florence Stove Company, assignee: *See*—
Kruck, Ralph E.

Freitag, Boad S. L., Balboa Island, Calif. Vertically adjustable combination cabinet and desk. 165,745, Jan. 29.

Gaines, Harry B., assignor to Saginaw Furniture Shops, Inc., Chicago, Ill. Extension commode. 165,746, Jan. 29.

Gemmill, Clark H., deceased, Chicago, Ill.; City National Bank and Trust Company, administrator of Clark H. Gemmill. Electric food mixer. 165,747, Jan. 29.

Goff, Clarence D., Philadelphia, Pa. Stocking. 165,748, Jan. 29.

Goff, Clarence D., Philadelphia, Pa. Stocking. 165,749, Jan. 29.

Greene, Harry R.: *See*—
Timm, Otto W., and Greene.

Halbeisen, John F., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Dehumidifier. 165,750, Jan. 29.

Hebel, Fred, assignor to Fred Hebel Corporation, Chicago, Ill. Vending machine or similar article. 165,751, Jan. 29.

Hebel, Fred, Corporation, assignee: *See*—
Hebel, Fred.

Heiland Research Corporation, assignee: *See*—
Pennock, Robert L., Jr., and Breer.

Heim, Jan, New York, N. Y. Spinning toy. 165,752, Jan. 29.

Herron, Marshall, Sacramento, Calif. Brush cleaner for floors and walls. 165,753, Jan. 29.

Herter, George L., Waseca, Minn. Duck decoy. 165,754, Jan. 29.

Holly Mills, Inc., assignee: *See*—
Shilin, Abe, and Denworth.

Horne, Willard R., New York, assignor to Corning Glass Works, Corning, N. Y. Tumbler or similar article. 165,755, Jan. 29.

Ingham, Herbert S., Roslyn Estates, and C. K. Wilson, East Williston, assignors to Metallizing Engineering Co. Inc., Long Island City, N. Y. Lawn sprinkler. 165,756, Jan. 29.

Injection Molding Company, assignee: *See*—
Barton, Murray M.
Marchant, Paul A.

Ireland, Murray, assignor to McGraw Electric Company, Elgin, Ill. Electric sadiron. 165,757, Jan. 29.

Ish-Shalom, Samu-El, New York, N. Y. Nesting cart. 165,758, Jan. 29.

Jensen, Carl L., Telluride, Colo. Christian flag. 165,759, Jan. 29.

Johnston Lawn Mower Corporation, assignee: *See*—
Wilkin, Ellsworth D.

Jones, Alva R., assignor to The Northwestern Corporation, Morris, Ill. Selective merchandise vending machine. 165,760, Jan. 29.

Joslyn, Stuart S., assignor to C. J. Bates & Son, Chester, Conn. Manicure kit. 165,761, Jan. 29.
Kelley, Walter C., and H. C. Phillips, assignors to Minick's Ice Cream Co., Inc., Los Angeles, Calif. Mixer for frozen desserts. 165,762, Jan. 29.
Kirby, Harold L., Glendale, Calif. Bassinet or similar article. 165,763, Jan. 29.
Klemm, Herman G., Birmingham, assignor to Harry Ferguson, Inc., Detroit, Mich. Disk plow. 165,764, Jan. 29.
Klemm, Herman G., Birmingham, and N. A. Nelson, Royal Oak, assignors to Harry Ferguson, Inc., Detroit, Mich. Disk plow. 165,765, Jan. 29.
Kornblau, Irving, New York, N. Y. Lady's undergarment container. 165,766, Jan. 29.
Kruck, Ralph E., Clinton, Conn., assignor to Florence Stove Company, Gardner, Mass. Back guard for a range. 165,767, Jan. 29.
Kuehnert, Nellie, assignee: *See*—
Kuehnert, Otto E.
Kuehnert, Otto E., assignor of fifty per cent to N. Kuehnert, Selinsgrove, Pa. Lady's stocking. 165,768, Jan. 29.
Lactona Incorporated, assignee: *See*—
Millard, Glen E.
Leerer, Ben, New York, N. Y. Textile fabric. 165,769, Jan. 29.
Lipp, William, New York, N. Y. Combined billfold and picture holder or the like. 165,770, Jan. 29.
Lipp, William, New York, N. Y. Billfold or the like. 165,771, Jan. 29.
Llewellyn, Inc., assignee: *See*—
Bley, Llewellyn.
Lundstrum, Allan W., Carmel, Ind. Building mounted combination air intake and exhaust vent for heaters. 165,772, Jan. 29.
Marchant, Paul A., Jackson County, assignor to Injection Molding Company, Kansas City, Mo. Combined bottle and bottle cap. 165,773, Jan. 29.
Martin, Vernon, assignor to The Walker Press Limited, Paris, Ontario, Canada. Bridge tally. 165,774, Jan. 29.
May Hosiery Mills, assignee: *See*—
Schwartz, Shepard B., and Blum.
McGraw Electric Company, assignee: *See*—
Ireland, Murray.
Merchants Sales Corp., assignee: *See*—
Youngerman, William H.
Metallizing Engineering Co. Inc., assignee: *See*—
Ingham, Herbert S., and Wilson.
Millard, Glen E., assignor to Lactona Incorporated, St. Paul, Minn. Detachable toothpick assembly. 165,775, Jan. 29.
Minick's Ice Cream Co., Inc., assignee: *See*—
Kelley, Walter C., and Phillips.
Nelson, Noral A.: *See*—
Klemm, Herman G., and Nelson.
Nelson, Robert M., Lombard, Ill. Chair. 165,776, Jan. 29.
Northwestern Corporation, The, assignee: *See*—
Jones, Alva R.
Offutt, Glenn, Warren, and W. Daum, Niles, Ohio. Picnic table. 165,777, Jan. 29.
Olsen, Edward F., Hillman, Mich. Spillproof glass. 165,778, Jan. 29.
Packard Motor Car Company, assignee: *See*—
Robinson, William E.
Paglinca, Michael, assignor to Alcore Novelty Company, New York, N. Y. Adjustable clasp for necklaces or the like. 165,779, Jan. 29.
Painter, David L., Evanston, Ill., assignor to Surface Combustion Corporation, Toledo, Ohio. Gas burner. 165,780, Jan. 29.
Panzer, William C., Chicago, Ill. Smoker's stand or similar article. 165,781, Jan. 29.
Parker, Glidden M., Jr., Alfred, N. Y. Cup. 165,782, Jan. 29.
Pennock, Robert L., Jr., Denver, and R. J. Breer, Littleton, assignor to Heiland Research Corporation, Denver, Colo. Combined flashgun and camera mount. 165,783, Jan. 29.
Pennock, Robert L., Jr., Denver, and R. J. Breer, Littleton, assignors to Heiland Research Corporation, Denver, Colo. Flashgun. 165,784, Jan. 29.
Phillips, Herbert C.: *See*—
Kelley, Walter C., and Phillips.
Pollard, William H., Jr., Oakland, Calif. Wall lighting fixture. 165,785, Jan. 29.
Reinecke, Jean O., Oak Park, assignor to Bell & Howell Company, Chicago, Ill. Photographic camera case. 165,786, Jan. 29.
Renna, Michele, Los Angeles, Calif. Bar cabinet. 165,787, Jan. 29.
Risom, Jens, New Canaan, Conn., assignor to Jens Risom Design Inc., New York, N. Y. Armchair. 165,788, Jan. 29.
Risom, Jens, Design Inc., assignee: *See*—
Risom, Jens.
Robbins, Celia, New York, N. Y. Musical hairbrush or similar article. 165,789, Jan. 29.
Robinson, William E., assignor to Packard Motor Car Company, Detroit, Mich. Vehicle trim louver or similar article. 165,790, Jan. 29.
Rose, Henry, New York, N. Y. Fabric. 165,791, Jan. 29.
Saginaw Furniture Shops, Inc., assignee: *See*—
Gaines, Harry B.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 165,792, Jan. 29.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 165,793, Jan. 29.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 165,794, Jan. 29.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 165,795, Jan. 29.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 165,796, Jan. 29.
Shanahan, Maurice L., Los Angeles, Calif. Merchandise display case. 165,797, Jan. 29.
Shilin, Abe, New York, N. Y., and H. Denworth, Mount Holly, N. J., assignors to Holly Mills, Inc. Display cabinet or similar article. 165,798, Jan. 29.
Stedman, Clarence H., Decatur, Ill. Poker chip rack. 165,799, Jan. 29.
Stout, Ernest G.: *See*—
Bayless, Ralph L., and Stout.
Studebaker Corporation, The, assignee: *See*—
Bourke, Robert E.
Surface Combustion Corporation, assignee: *See*—
Painter, David L.
Tait, George C., Shillington, Pa. Stocking. 165,800, Jan. 29.
Tait, George C., Shillington, Pa. Stocking. 165,801, Jan. 29.
Timm Industries, Inc., assignee: *See*—
Timm, Otto W., and Greene.
Timm, Otto W., Van Nuys, and H. R. Greene, Pasadena, assignors to Timm Industries, Inc., Los Angeles, Calif. Vending machine. 165,802, Jan. 29.
Train, Jess, assignor to Tranel, Inc., New York, N. Y. Brassière slip. 165,803, Jan. 29.
Tranel, Inc., assignee: *See*—
Train, Jess.
Turner, Herbert H., Boscobel, Wis. Dump trailer. 165,804, Jan. 29.
Twitty, Frank L., Bronxville, N. Y. Bottle. 165,805, Jan. 29.
Vendo Company, The, assignee: *See*—
Wheeler, David B.
Walker Press Limited, The, assignee: *See*—
Martin, Vernon.
Watrous, Gilbert A., Chicago, Ill. Lamp. 165,806, Jan. 29.
Weill, Milton, New York, N. Y., assignor to Arrow Manufacturing Company, Incorporated, West New York, N. J. Jewelry box. 165,807, Jan. 29.
Weisbrot, Max A., Chicago, Ill. Condiment shaker. 165,808, Jan. 29.
Wheeler, David B., Independence, assignor to The Vendo Company, Kansas City, Mo. Gum-vending machine. 165,809, Jan. 29.
Wilkin, Ellsworth D., assignor to Johnston Lawn Mower Corporation, Ottumwa, Iowa. Mower handle. 165,810, Jan. 29.
Wilson, Charles K.: *See*—
Ingham, Herbert S., and Wilson.
Wright, Russel, New York, N. Y. Knife. 165,811, Jan. 29.
Wrought Iron Range Company, assignee: *See*—
Culver, Edwin R., Jr.
Wupperman, Alfred O., Fort Worth, Tex. Swimming trunks. 165,812, Jan. 29.
Youngerman, William H., assignor to Merchants Sales Corp., Chicago, Ill. Condiment dispenser. 165,813, Jan. 29.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29th DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A M I Incorporated, assignee: *See*—
Penkauskas, John E.
A P Controls Corporation, assignee: *See*—
McCarty, Lourdes V.
Pawelsky, Vernon R., McCarty, and Zarwell.
Actiengesellschaft Joh. Jacob Rieter & Cie., assignee: *See*—
Just, Christian.
Adler, Robert, assignor to Consolidated Electric Company, Chicago, Ill. Translating apparatus and follow-up system. 2,583,535, Jan. 29.
Adler, Robert, assignor to Consolidated Electric Company, Chicago, Ill. Follow-up apparatus and system. 2,583,720, Jan. 29.
Aerotec Corporation, The, assignee: *See*—
Mejean, Jacques G.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Daul, George C., and Reid.
Jones, Harrison W., Thorsen, and Lundgren.
Schwab, Arthur W., Evans, and Cowan.
Air Reduction Company, Incorporated, assignee: *See*—
Jones, Harold O.
Ajax Electric Company, Inc., assignee: *See*—
Rosseau, Leon B.
Alexanderson, Howard A., Wood-Ridge, and A. H. Le Febvre, Hackensack, assignors to Bendix Aviation Corporation, Teterboro, N. J. Engine control. 2,583,537, Jan. 29.
Allen, John W., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Storage tank. 2,583,536, Jan. 29.
Alta Engineering Company, assignee: *See*—
Boyes, Mary A., and Coates.
Amer, Myrtle A., Long Beach, Calif. Body supported mirror holder device. 2,583,803, Jan. 29.
American Aggregate Company, assignee: *See*—
Ryner, Arthur.
American Cyanamid Company, assignee: *See*—
Houpt, Alfred G.
Stamm, Robert F., Mariner, Barnes, and Stryker.
American Home Products Corporation, assignee: *See*—
Kern, Charles J., Antoshkiw, and Maiese.
American Locker Company, Inc., assignee: *See*—
Stackhouse, Francis D., Jr.
American Viscose Corporation, assignee: *See*—
Oberly, Louis A.
Amo, Claude J., Ogdensburg, N. Y. Two compartment mailbox. 2,583,623, Jan. 29.
Amsler, Alfred J., & Co., assignee: *See*—
Russenberger, Max.
Andrus, Orrin E., Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Motor winding. 2,583,804, Jan. 29.
Anhanger, Oscar, Trondheim, Norway. Fish separating machine. 2,583,762, Jan. 29.
Anschuetz, Erich K., Grosse Pointe, Mich. Hydraulic jack. 2,583,923, Jan. 29.
Antoshkiw, Thomas: *See*—
Kern, Charles J., Antoshkiw, and Maiese.
Apex Electrical Mfg. Co., The, assignee: *See*—
Davis, Archibald H.
Armour and Company, assignee: *See*—
Kaiser, Emil, and Svarz.
Arndt, John P., Jr., Euclid, and J. E. Shomer, Jr., assignors to The Brush Development Company, Cleveland, Ohio. Frequency modulated magnetic recording and reproducing. 2,583,983, Jan. 29.
Arthur, Paul, Jr., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Production of nitriles. 2,583,984, Jan. 29.
Arvin Industries, Inc., assignee: *See*—
Theisen, John P.
Askania Regulator Company, assignee: *See*—
Ludwig, John W.
Astle, Percy T., Wichita, Kans. Pyramidal game piece. 2,583,805, Jan. 29.
Atlantic and Gulf Stevedores, Inc., assignee: *See*—
McGrath, Richard J.
Aubert, Fred B., Detroit, Mich. Thermostatic stack switch having magnetic clutch mechanism. 2,584,079, Jan. 29.
Automatic Electric Laboratories, Inc., assignee: *See*—
Hadfield, Bertram M.
Lomax, Clarence E.
Lomax, Clarence E., and Wild.
Automatic Telephone & Electric Company Limited, assignee: *See*—
Gordon-Wright, John G.
Avery, Steven B., East Orange, N. J. Cementitious coatings or paints and making. 2,583,985, Jan. 29.
Axelson, Eskil A. A., Stockholm, Sweden. Pipe or hose conduit with heating means. 2,583,761, Jan. 29.
Babcock & Wilcox Company, The, assignee: *See*—
Schoessow, Glen J.
Backlin, Clarence R., Floral Park, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Lock stitch sewing machine. 2,583,538, Jan. 29.
Bahnson, Agnew H., Jr., Winston-Salem, N. C. Atomizer system. 2,583,986, Jan. 29.
Baisor, William K., Progress, Pa. Collapsible minnow net. 2,583,987, Jan. 29.
Ballou, B. A., & Co., Incorporated, assignee: *See*—
Ballou, Frederick A., Jr., and Stafford.
Ballou, Frederick A., Jr., Providence, and R. T. Stafford, East Providence, R. I., assignors to B. A. Ballou & Co., Incorporated. Clasp. 2,583,988, Jan. 29.
Bally, Auguste: *See*—
Lepin, Maurice, and Bally.
Bamberg, James B., Cleveland, Ohio. Adjustable door. 2,583,989, Jan. 29.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Jewelry article. 2,584,087, Jan. 29.
Barnes, Robert B.: *See*—
Stamm, Robert F., Mariner, Barnes, and Stryker.
Bartmann & Bixer, Inc., assignee: *See*—
Halpern, Alan.
Bartoletti, Dante, assignor of one-half to C. W. Cunningham, Burgettstown, Pa. Antiskid chain for automobiles. 2,583,624, Jan. 29.
Bashark, Nicholas, Dayton, Ohio, and D. Grant, Los Angeles, Calif. Valve packing construction. 2,583,539, Jan. 29.
Batzle, Joseph H., Wauwatosa, Wis. Garment carrying rack for automobiles. 2,583,806, Jan. 29.
Bauer, Walter C.: *See*—
Briggs, Southwick W., Bauer, and Ewbank.
Baumeister, George R., Boston, assignor to Lacene Manufacturing Company, Cambridge, Mass. Leather splitting method and apparatus. 2,583,924, Jan. 29.
Baumer, Richard A., Huron, Ohio. Corner guide and line supporting device for masonry constructions. 2,583,990, Jan. 29.
Beck, Norman, assignor to The Crown Cork Company Limited, Southall, England. Labeling machine. 2,583,807, Jan. 29.
Beede, Lillian G., Marysville, Calif. Colostomy garment. 2,583,721, Jan. 29.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bostwick, Lee G.
Gray, Frank, and Sears.
Bendix Aviation Corporation, assignee: *See*—
Alexanderson, Howard A., and Le Febvre.
Burley, Robert M.
Gilbert, Samuel.
Goldberg, Harold.
Leszak, John, and Zimmerman.
Bennett, Marvin A.: *See*—
General, Joseph, and Bennett.
Bennett, Willard H., Chevy Chase, Md. Discharging static electricity from airplane radio antennas. 2,583,540, Jan. 29.
Berestneff, Alexis A., assignor to Carrier Corporation, Syracuse, N. Y. Absorption refrigeration machine. 2,583,722, Jan. 29.
Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Method of and tool for crimping tubes. 2,583,625, Jan. 29.
Bernardin Bottle Cap Co., Inc., assignee: *See*—
Lyon, Edmond H.
Bernhardt, Rudolph, Chicago, Ill. Measuring cup. 2,583,808, Jan. 29.
Berry, Clifford E., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometer. 2,583,541, Jan. 29.
Berry, George W., assignor to Berry Milking System, Modesto, Calif. Milk receiving and discharging unit. 2,583,723, Jan. 29.
Berry Milking System, assignee: *See*—
Berry, George W.

Bestehorn, Heinrich H., Easton, Pa., and J. F. Morgan, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Metallized orthohydroxy, ortho amino monoazo dyestuffs. 2,583,925, Jan. 29.

Beyer, John H., Forest Hills, N. Y. Display device. 2,583,926, Jan. 29.

Bianchi, I. W., Inc., assignee: *See*— Bianchi, Icilio W.

Bianchi, Icilio W., assignor to I. W. Bianchi, Inc., East Patchogue, N. Y. Flower display package. 2,583,927, Jan. 29.

Bituminous Coal Research, Inc., assignee: *See*— Yellott, John I.

Blayney, James L., Lansdale, assignor to Philco Corporation, Philadelphia, Pa. Electrostatic apparatus for measuring voltages. 2,583,763, Jan. 29.

Bloechl, Aloysius, La Porte, Ind. Rim tire lock. 2,583,809, Jan. 29.

Blume, Roe C., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Heterogeneous, acidic hydrolysis of polymeric esters with alkyl phosphoric acid esters. 2,583,991, Jan. 29.

Boeing Airplane Company, assignee: *See*— Morrison, John A.

Bohn, Donald I., Pittsburgh, Pa., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Radial engine. 2,584,098, Jan. 29.

Borg-Warner Corporation, assignee: *See*— Zeidler, Reinhold C.

Boston, Benjamin P., Pine Wood, S. C. Measuring instrument and marker combined. 2,583,679, Jan. 29.

Bostwick, Lee G., Florham Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibratory reed-controlled oscillator. 2,583,542, Jan. 29.

Bouteloup, Michel R., Neuilly sur Seine, France. Trouser waistband construction. 2,583,992, Jan. 29.

Boyce, Eugene L., and H. Goldberg, assignors, by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Lawn mower. 2,583,543, Jan. 29.

Boyden, Robert E., assignor to Clary Multiplier Corporation, Los Angeles, Calif. Accumulator state control positioning mechanism. 2,583,810, Jan. 29.

Boyes, Mary A., Los Angeles, and J. E. Coates, assignors to Alta Engineering Company, Santa Monica, Calif. Convertible table. 2,583,811, Jan. 29.

Braithwaite, Isaac, & Son Engineers Limited, assignee: *See*— Walker, Thomas B.

Braun, Emil A., Bloomfield, N. J. Apparatus for artificial development of germ organisms. 2,583,993, Jan. 29.

Brennan, Frank, Elizabeth, N. J. Lure holder for fishermen. 2,583,680, Jan. 29.

Briggs, Ben T., assignor to Rayonier Incorporated, Shelton, Wash. Wood pulp digestion. 2,583,994, Jan. 29.

Briggs Filtration Company, The, assignee: *See*— Briggs, Southwick W., Bauer, and Ewbank.

Briggs Manufacturing Company, assignee: *See*— Koppinger, Nicholas G. Zummach, Karl G.

Briggs, Southwick W., Washington, D. C., W. C. Bauer, Chevy Chase, and W. J. Ewbank, said Ewbank and said Bauer assignors to The Briggs Filtration Company, Bethesda, Md. Dehydration unit. 2,583,812, Jan. 29.

British Resin Products Limited, assignee: *See*— Evans, Edward M., and Whitney.

Brittain, Francis H., Pinner, C. E. Ransley, Wembley, and J. W. Ryde, Northwood, England, assignors, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Crystal contacts of which one element is silicon. 2,583,681, Jan. 29.

Broding, Robert A., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Magnetic flowmeter. 2,583,724, Jan. 29.

Brown, David S., Plainfield, N. J., C. F. Hawes, New York, N. Y., and R. E. Stork, Hohokus, N. J. Agitating device for liquid containing tanks. 2,583,725, Jan. 29.

Bruno, Joseph J., assignee: *See*— Furlong, Donn B.

Brush Development Company, The, assignee: *See*— Arndt, John P., Jr., and Shomer.

Buckholdt, Robert E., Salem, Ohio, assignor, by mesne assignments, to Salem Brosius, Inc., Pittsburgh, Pa. Conveyer, particularly for heating furnaces. 2,583,764, Jan. 29.

Budd Company, The, assignee: *See*— Lindsay, Alexander R. Murphy, Goodrich K. Watter, Michael, and Lyon.

Buell, Albert H., Erie, Pa. Mold. 2,583,626, Jan. 29.

Bühler, Gebrüder, assignee: *See*— Hummel, Charles.

Burdick, Clifford I., Racine, assignor to Snap-On Tools Corporation, Kenosha, Wis. Reversible ratchet mechanism. 2,583,544, Jan. 29.

Burke, James P., Poland, assignor to M. M. Fibus and J. Marcus, Youngstown, Ohio. Mat control for door opening mechanisms. 2,583,813, Jan. 29.

Burklin, Adolf J., Toledo, Ohio, assignor, by mesne assignments, to A. O. Smith Corporation, Milwaukee, Wis. Flow controlled water heater. 2,583,814, Jan. 29.

Burlein, Lester F., assignor to Cloverleaf-Freeland Corporation, Honesdale, Pa. Bobbin. 2,583,995, Jan. 29.

Burley, Robert M., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Bendix, N. J. Gun-sighting device. 2,583,815, Jan. 29.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y. Frameless screen and storm window top rail securing means. 2,583,627, Jan. 29.

Burst, Francis J.: *See*— Hillenbrand, William A., and Burst.

Butler, Charles O.: *See*— Williams, Sidney B., and Butler.

Butler, Glenn F., Detroit, Mich. Heated chair. 2,583,816, Jan. 29.

C & S All Weather Shield Co., assignee: *See*— Williams, Sidney B., and Butler.

Cadet Smokestands Company, assignee: *See*— Dick, Marion T.

Cain, Basil S., Erie, Pa., assignor to General Electric Company. Brake rigging device. 2,583,765, Jan. 29.

California Research Corporation, assignee: *See*— Kemp, Jacob D. Kemp, Jacob D., and Stickland.

Cameron, John S., Compton, assignor of one-half to M. E. Feller, Los Angeles, Calif. Antifouling marine paint. 2,583,545, Jan. 29.

Canaday, Walter A., Bridgeport, Nebr. Burial apparatus. 2,583,628, Jan. 29.

Canadian Copper Refiners Limited, assignee: *See*— Schloen, John H., and Franchetto.

Cannon, Madison M., Jr., West Hartford, Conn., assignor to Emhart Manufacturing Company. Forehearth construction. 2,583,629, Jan. 29.

Carlson, Chester F., Woodside, N. Y. Electrophotographic recording. 2,583,546, Jan. 29.

Carrier Corporation, assignee: *See*— Berestneff, Alexis A.

Casson, Ernest H.: *See*— Katz, Ernest.

Caudill, Howard F., Arlington Heights, assignor to Western Foundation Corporation, Chicago, Ill. Steel sheet pile threader. 2,583,928, Jan. 29.

Cavanagh, John J., Hicksville, N. Y. Garment hanger. 2,583,996, Jan. 29.

Celanese Corporation of America, assignee: *See*— Storey, Alvin B. Tobler, Henry, Jr.

Celovsky, Michael J., Detroit, Mich. Apparatus for cutting flanged slots in radiator sections. 2,583,682, Jan. 29.

Chalom, Joseph A., Paris, France. Nozzle. 2,583,726, Jan. 29.

Chassaing, François, Alfortville, France. Manufacturing rubber articles from sensitized latex. 2,583,683, Jan. 29.

Chatfield, Franklin, Minneapolis, Minn., assignor, by mesne assignments, to F. R. Redman, Yardley, Pa. Apparatus for shrinking and condensing textile fabrics. 2,583,630, Jan. 29.

Chehak, Henry J., Portland, Oreg. Tube holding and dispensing device. 2,583,631, Jan. 29.

Chemische Fabrik Uetikon (Uetikon Chemical Company), assignee: *See*— Schwarzenbach, Gerold.

Chessrown, James D., Youngstown, Ohio. Dental chair light with switch on headrest support. 2,583,817, Jan. 29.

Chester, Frank R., Santa Monica, Calif. Garbage disposal apparatus. 2,583,997, Jan. 29.

Chicago Bridge & Iron Company, assignee: *See*— Allen, John W. Pogue, Robert H.

Chicago Metal Hose Corporation, assignee: *See*— Lindsay, Robert M., and Randazzo.

Chicago Pneumatic Tool Company, assignee: *See*— Fischer, Howard R., and Roberts.

Christensen, Leo M., assignor, by mesne assignments, to Gateway Chemurgic Company, Lincoln, Nebr. Treating gluten-bearing starchy material. 2,583,684, Jan. 29.

Cihlar, Joseph W., Sturgeon Bay, Wis. Pallet adapter unit for block molding machines. 2,583,818, Jan. 29.

Clark, Ephraim C. S., Gloucester, Mass. Fishing boat. 2,583,929, Jan. 29.

Clark Equipment Company, assignee: *See*— Lapsley, Robert. Turner, George L.

Clary Multiplier Corporation, assignee: *See*— Boyden, Robert E.

Cloverleaf-Freeland Corporation, assignee: *See*— Burlein, Lester F.

Coates, J. Edwin: *See*— Boyes, Mary A., and Coates.

Cohn, Samuel: *See*— Walter, Jules G., and Cohn.

Collard, John, Hammersmith, London, assignor to Electric & Musical Industries Limited, Hayes, England. Transmitting or receiving aerial for centimeter wave lengths. 2,583,766, Jan. 29.

Colley, Russell S., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for upsetting a headed tubular rivet while altering the shape of the rivet head. 2,583,727, Jan. 29.

Columbia Mills, Inc., The, assignee: *See*— Burns, Fred J.

Commercial Solvents Corporation, assignee: *See*— Mast, George W.

Consolidated Electric Company, assignee: *See*— Adler, Robert.

Consolidated Engineering Corporation, assignee: *See*— Berry, Clifford E.

Continental Can Company, Inc., assignee: *See*— Mero, Ralph M.

Cook, Carl B., Haddonfield, N. J. Book. 2,583,998, Jan. 29.

Cotton, Paul E., Quincy, assignor to Factory Mutual Research Corporation, Boston, Mass. Gas analyzer and smoke detector. 2,583,930, Jan. 29.

Coultier, Joseph F., Birmingham, and I. J. Lupu, Lincoln Park, Mich. Polishing wheel. 2,583,632, Jan. 29.

Cowan, John C.: *See*— Schwab, Arthur W., Evans, and Cowan.

Cox, Duncan B., Woodbury, N. Y. Control instrument. 2,583,547, Jan. 29.

Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Production of pigmented cellulosic pulp. 2,583,548, Jan. 29.

Cronin, John, Stonington, Conn. Sliding abutment type rotary internal-combustion engine. 2,583,633. Jan. 29.

Crowley, Cornelius J., assignor to The Seamless Rubber Company, New Haven, Conn. Making rubber gloves and like articles. 2,583,728, Jan. 29.

Crown Cork Company Limited, The, assignee: *See*— Beck, Norman.

Culver, Oren F., Rochester, N. Y. Flush valve. 2,583,999, Jan. 29.

Cummings, James D., Houston, Tex. Pipe coating and wrapping machine. 2,583,819, Jan. 29.

Cummings, Louis, Weehawken, N. J. Collapsible cabinet. 2,583,931, Jan. 29.

Cunningham, Charles W., assignee: *See*— Bartoletti, Dante.

Curtiss-Wright Corporation, assignee: *See*— Smith, Richard C.

Cutler-Hammer, Inc., assignee: *See*— Elliot, William H.

Daebelliehn, Harold E., Moline, Ill. Fuel tank for captive model airplanes. 2,583,932. Jan. 29.

Daignas, Michel, Nice, France. Mechanical pargeting apparatus. 2,583,767, Jan. 29.

Darvill, Alec B., Buckinghamshire, England. Vehicle wheel and attachment therefor. 2,583,634, Jan. 29.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car truck springs. 2,583,635, Jan. 29.

Daul, George C., and J. D. Reid, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of pentaerythrityl phosphates. 2,583,549, Jan. 29.

Davis, Archibald H., Sandusky, assignor to The Apex Electrical Mfg. Co., Cleveland, Ohio. Reversible motor controlled portable ironer. 2,583,685, Jan. 29.

Dayton Taximeter Co., The, assignee: *See*— Rhoads, Chester A., and Hubbard.

Deanesly, Richard M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Separation of a Schiff's base from the condensation product of a primary amine with a carbonyl compound. 2,583,729, Jan. 29.

Dearborn Chemical Company, assignee: *See*— Gunderson, Lewis O.

De Ment, Jack, G. Lamont, and J. Polly, Portland, Oreg. Treating a food plant product. 2,583,686, Jan. 29.

Dennis, E. Lucian, and C. S. Glenny, Rockford, Ill., assignors to The Washburn Company, Worcester, Mass. Bicycle basket support. 2,583,550, Jan. 29.

Detienne, Adolphe, executor, assignee: *See*— France, Antoine.

Diamond Alkali Company, assignee: *See*— Perrin, Tom S., and Jenkins.

Dick, Marion T., assignor to Cadet Smokestands Company, Des Moines, Iowa. Tobacco ash receptacle. 2,583,730, Jan. 29.

Dickey, Joseph B.: *See*— Taylor, George J., and Dickey.

Dickey, Joseph B., Rochester, N. Y., and G. J. Taylor, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Methine dyestuffs. 2,583,551, Jan. 29.

Dicks, Clarence O., Detroit, Mich. Stencil. 2,583,820, Jan. 29.

Dier, Mabelle L., assignee: *See*— Whitley, James E.

Diversey Corporation, The, assignee: *See*— Dvorkovitz, Vladimir, and Hawley.

Dobkin, William J., Jackson Heights, assignor to M. B. Feinson, New York, N. Y. Liquid soap dispenser. 2,583,687, Jan. 29.

Dobkin, William J., Jackson Heights, assignor to M. B. Feinson, New York, N. Y. Wall bracket supported liquid soap dispenser. 2,583,688, Jan. 29.

Dobson, William A., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Platen support and feed roll mechanism. 2,583,636, Jan. 29.

Domar Products, Inc., assignee: *See*— Ehlert, William C., and Schneider.

Dorman, Arthur K.: *See*— Ripper, Walter E., and Dorman.

Draper, William F., Chico, Calif. Portable electric planer. 2,583,637, Jan. 29.

Du Bois, John H., Scotch Plains, assignor to Shaw Insulator Company, Irvington, N. J. Metering spray applicator. 2,583,821, Jan. 29.

Duncan, James, Ferndale, Mich. Bowl having removable pocket thereon. 2,583,822, Jan. 29.

Dunham, George W., Westport, Conn., assignor to Savage Arms Corporation, Utica, N. Y. Washing machine transmission. 2,583,823, Jan. 29.

Du Pont, E. I., de Nemours and Company, assignee: *See*— Arthur, Paul, Jr. Blume, Roe C.

Duriron Company, Inc., The, assignee: *See*— Jacobsen, Oystein.

Du Roy, Jacques, assignee: *See*— French, George O., and Du Roy.

Dutro, Lyle: *See*— Faeber, Harry W., and O. V. and L. Dutro.

Dutro, Orville V.: *See*— Faeber, Harry W., Dutro, and Dutro.

Dvorkovitz, Vladimir, and T. G. Hawley, Jr., Chicago, Ill., assignors to The Diversey Corporation. Washing composition. 2,584,017, Jan. 29.

Dwinell, William G., Indianapolis, Ind., and J. H. Orth, Ames, Iowa. Shaded screen. 2,583,824, Jan. 29.

Eastman Kodak Company, assignee: *See*— Dickey, Joseph B., and Taylor. Robeson, Charles D. Taylor, George J., and Dickey.

Edgard, Leo H., London, England. Waistband for use on garments. 2,583,689, Jan. 29.

Edwards, Robert S., Hempstead, N. Y., assignor to The Sperry Corporation. Motor control circuit mixer. 2,583,552, Jan. 29.

Ehlert, William C., Warrensville Heights, and F. J. Schneider, Jr., Pepper Pike Village, assignors to Domar Products, Inc., Cleveland, Ohio. Sunshade and other auxiliary spectacles. 2,584,000, Jan. 29.

Ehrenstein, Maximilian R., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa. Cyclopentanopolyhydrophenanthrene derivatives. 2,584,001, Jan. 29.

Elder, Richard W., assignor to National-Standard Company, Niles, Mich. Spool and fastening means therefor. 2,583,933, Jan. 29.

Electric & Musical Industries Limited, assignee: *See*— Collard, John.

Electrolux Corporation, assignee: *See*— Wahlberg, Eric C.

Eljer Company, assignee: *See*— Hendrickson, James M.

Elliot, William H., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Hoist controller. 2,583,731, Jan. 29.

Elser, William F., Toledo, Ohio, and K. L. Richard, Pitman, N. J., assignors to Owens-Illinois Glass Company. Method and apparatus for bonding closure materials. 2,584,002, Jan. 29.

Emhart Manufacturing Company, assignee: *See*— Cannon, Madison M., Jr.

Engelmann, Nikolaus, Philadelphia, Pa. Grinding wheel profile dressing device. 2,584,003, Jan. 29.

Enslein, Kurt, Rochester, N. Y., assignor to Stromberg-Carlson Company. Method and apparatus for automatically aligning electrical circuits. 2,584,004, Jan. 29.

Ericsson, Eric A., Stockholm, and A. O. Jörgensen, Traneberg, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Metallic carbides used as microphone resistance granules. 2,583,732, Jan. 29.

Evans, Cyril D.: *See*— Schwab, Arthur W., Evans, and Cowan.

Evans, Edward M., Tonbridge, England, and J. E. S. Whitney, Penarth, Wales, assignors to British Resin Products Limited, London, England. Vinyl phenol copolymers. 2,583,638, Jan. 29.

Evans, Victor B., San Jose, Calif. Can separating device. 2,583,934, Jan. 29.

Evans, William H., Chicago, Ill. Line reaming and boring machine. 2,584,005, Jan. 29.

Ewbank, Walter J.: *See*— Briggs, Southwick W., Bauer, and Ewbank.

Extruded Plastics, Inc., assignee: *See*— Slaughter, Charles E.

Factory Mutual Research Corporation, assignee: *See*— Cotton, Paul E.

Faeber, Harry W., Larchmont, assignor to Time, Incorporated, New York, N. Y. Sectional blade ink fountain for printing presses. 2,583,640, Jan. 29.

Faeber, Harry W., Larchmont, N. Y., and O. V. and L. Dutro, La Canada, Calif., assignors to Time, Incorporated, New York, N. Y. Rotary ductor for printing presses. 2,583,639, Jan. 29.

Falk Corporation, The, assignee: *See*—
Falk, Louis W.
Schmitter, Carl H.
Schmitter, Walter P.

Falk, Louis W., assignor to The Falk Corporation, Milwaukee, Wis. Rolling mill drive. 2,583,935, Jan. 29.

Farbenfabriken Bayer, assignee: *See*—
Schrader, Gerhard, and Kükenthal.

Faure, Marthe E. C., assignor to Faureed Company, Tulsa, Okla. Sanitary protector for bedridden patients. 2,583,553, Jan. 29.

Faureed Company, assignee: *See*—
Faure, Marthe E. C.

Fearon, Robert E.: *See*—
Thayer, Jean M., Swift, and Fearon.

Federal Cartridge Corporation, assignee: *See*—
Hoffman, Harry W., and Helmer.

Feller, Morton E., assignee: *See*—
Cameron, John S.

Feinson, Mac. B., assignee: *See*—
Dobkin, William J.

Feldman, Julian, and M. Orchin, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Separation of α-methyl naphthalene from β-methyl naphthalene by azeotropic distillation. 2,583,554, Jan. 29.

Felt, Arthur J., Littleton, Colo. Hydraulic brake safety device. 2,583,825, Jan. 29.

Feuer, Irving, Bronx, assignor of one-half to M. E. Sparrow, New York, N. Y. Variable reflex optical projection system for weighing scales. 2,583,690, Jan. 29.

Fibus, Murray M., assignee: *See*—
Burke, James P.

Fields, Herbert P., and B. Kucinski, Chicago, Ill. Window ventilator. 2,583,555, Jan. 29.

Finger, Wesley D., Rochester, N. Y. Tray holder for automobiles. 2,584,006, Jan. 29.

Finn, Robert S.: *See*—
Hawkins, James E., and Finn.

Floretti, James C., El Paso, Tex. Container. 2,584,008, Jan. 29

Fischer, Alfred: *See*—
Nowak, Milton, and Fischer.

Fischer, Howard R., and J. A. Roberts, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Hydraulic tool for pulling clinch nuts. 2,583,733, Jan. 29.

Fischer, Mary A., Miami Beach, Fla. Shoe with interchangeable panel inserts. 2,583,826, Jan. 29.

Fischer, Robert E., assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio. Electronic contactor. 2,584,007, Jan. 29.

Fisher, Henry B.: *See*—
Lea, Peggy J., and Fisher.

Fisk, James C., Flint, Mich. Distributor contact point gauge. 2,583,936, Jan. 29.

Fleischel, Gaston, assignor to Products & Licensing Corporation, New York, N. Y. Planetary gear arrangement. 2,583,556, Jan. 29.

Florman, Irving, New York, N. Y. Cigarette lighter. 2,583,691, Jan. 29.

Florman, Irving, New York, N. Y. Gas controlled pocket lighter. 2,583,692, Jan. 29.

Floyd, William, New York, N. Y. Door lock. 2,584,088, Jan. 29.

Folkers, Karl: *See*—
Kaczka, Edward A., and Folkers.

Fossati, Riccardo, Milan, Italy. Surgical exploring and operating device. 2,583,937, Jan. 29.

Foster, Henry W.: *See*—
Sandorff, Paul E., and Foster.

Foster, Jackson W., Austin, Tex., and L. E. McDaniel, assignors to Merck & Co., Inc., Rahway, N. J. Fermentation process. 2,584,009, Jan. 29.

Foy, John L., United States Navy, Dayton, Ohio. Power-driven truck for air cargo use. 2,583,557, Jan. 29.

Foxx, John F., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Micrometer depth indicator. 2,583,693, Jan. 29.

Fram Corporation, assignee: *See*—
James, William S.

France, Antoine, deceased, by A. Detienne, executor, assignor to Rheo-France Compagnie Internationale des Rheolaveurs a France, societe anonyme, Liege, Belgium. Adjustable discharge apparatus for slurry and muddy materials. 2,583,768, Jan. 29.

Franchetto, Luigi V.: *See*—
Schloen, John H., and Franchetto.

Francis, Louis, assignor to J. D. Howard, Inc., Miami, Fla. Artist's color dispenser. 2,583,827, Jan. 29.

Francis, Lynn M., Detroit, Mich. Automobile transporting trailer. 2,583,734, Jan. 29.

French, August, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Preparing stable aerated wax compositions and articles. 2,583,938, Jan. 29.

French, George O., and J. H. Du Roy, assignors to Plasti-Cation Corporation, Flint, Mich. Light-diffusing shield for elongated tubular lamps. 2,583,939, Jan. 29.

Frost, Walter S., Somerville, Mass., assignor, by mesne assignments, to Morgan-Sabalol Products, Inc., New York, N. Y. Octaglycine dihydroheptiodide and making the same. 2,583,558, Jan. 29.

Frost, Walter S., Somerville, Mass., assignor, by mesne assignments, to Morgan-Sabalol Products, Inc., New York, N. Y. Tetraglycine dihydroheptiodide and making the same. 2,583,559, Jan. 29.

Fulton, Roy R., Dayton, assignor of twenty-five per cent to R. A. Miller, Greenville, Ohio. Drain cleaning device. 2,583,694, Jan. 29.

Furlong, Donn B., Oakland, assignor of one-third to E. Weil, San Francisco, and one-third to J. J. Bruno, San Bruno, Calif. Icebox cooky cutter and method. 2,583,940, Jan. 29.

Future Products, Inc., assignee: *See*—
Lawson, George S., and J. C.

Gaddis, Bevy M., Washington, D. C., dedicated to the free use of the People in the territory of the United States. Combination dusting and spraying machine. 2,583,560, Jan. 29.

Gateway Chemurgic Company, assignee: *See*—
Christensen, Leo M.

Gaubert, Rene J., and S. Marvin, Oakland, Calif., assignors to Simplex Packaging Machinery, Inc. Box-making machine. 2,583,641, Jan. 29.

Gaudette, Joseph, Windsor, Ontario, Canada. Electric space heater. 2,583,526, Jan. 29.

Gaugler, Richard S., assignor to General Motors Corporation, Dayton, Ohio. Absorber for refrigerating apparatus. 2,583,769, Jan. 29.

General Aniline & Film Corporation, assignee: *See*—
Bestehorn, Heinrich H., and Morgan.

General Electric Company, assignee: *See*—
Cain, Basil S.
Hiehle, Michael E.
Jacobson, Woodrow R.
Magee, Paul B.
Nelson, Richard B.
Parks, Herman D.
Rowell, Ralph M., and Nylander.
Thomas, Henry P.

General, Joseph, and M. A. Bennett, Dayton, Ohio. Electronic air flow indicator. 2,583,561, Jan. 29.

General Motors Corporation, assignee: *See*—
Gaugler, Richard S.

Gerstenberger, Walter, Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic bungee. 2,583,828, Jan. 29.

Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Wrap spring starter. 2,583,829, Jan. 29.

Gisholt Machine Company, assignee: *See*—
Premo, Lewis W.

Glacier Metal Company Limited, The, assignee: *See*—
Stone, Vincent O.

Gleekman, John I., Trenton, N. J. Motor support. 2,583,695, Jan. 29.

Glenny, Clarence S.: *See*—
Dennis, E. Lucian, and Glenny.

Goble, William E., Fowler, Calif., assignor, by mesne assignments, to The Massey-Harris Company, Racine, Wis. Tractor lift disk harrow. 2,583,830, Jan. 29.

Goergen, John, Milwaukee, Wis. Collet chuck for fishing pole handles. 2,583,831, Jan. 29.

Goffredo, Lillian M., New York, N. Y. Drop foot brace. 2,584,010, Jan. 29.

Goldberg, Harold, assignor to Bendix Aviation Corporation, Towson, Md. Clamping circuits. 2,583,832, Jan. 29.

Goldberg, Harry: *See*—
Boyce, Eugene L., and Goldberg.

Golden State Company, Ltd., assignee: *See*—
Hansley, Guy P., and Johnson.

Goodrich, B. F., Company, The, assignee: *See*—
Colley, Russell S.

Goppel, Johan M., and G. E. Rumscheidt, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Stabilizing polydiolefin sulfones. 2,583,527, Jan. 29.

Gordon Specialties Company, assignee: *See*—
Potter, Marcus L.

Gordon, Thurlow M., Jr., New York, N. Y. Device for detecting variations in fluid pressure. 2,583,941, Jan. 29.

Gordon-Wright, John G., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Electric signaling system. 2,583,642, Jan. 29.

Goth, Erich, Wuppertal-Elberfeld, and W. Saizer, Wuppertal-Barmen, Germany, assignors to Schenley Laboratories, Inc., New York, N. Y. Producing thiosemicarbazones. 2,583,770, Jan. 29.

Grüf, Arthur, Mannheim, Germany. Monorail running gear for suspension cranes. 2,583,833, Jan. 29.

Grant, David: *See*—
Bashark, Nicholas, and Grant.

Gray, Frank, East Orange, and R. W. Sears, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray device. 2,583,562, Jan. 29.

Greenberg, Morris, Brooklyn, and C. S. Lefferdink, Westchester, N. Y., assignors to Metalmasters, Inc., East Orange, N. J. Iron holder or the like. 2,584,011, Jan. 29.

Griffin, Joseph C., Branford, Fla. Transplanter attachment. 2,584,012, Jan. 29.

Grilley, Edmund S., assignor to Hobbs Manufacturing Company, Fort Worth, Tex. Folding front section for trailer bodies. 2,583,643, Jan. 29.

Grimes, Ivan A., Woodston, Kans. Foldable basket carrier. 2,583,644, Jan. 29.

Gross, Harry E., Lorain, Ohio, assignor to United States Steel Company. Automatic twin bar-bridge bench piercer mill. 2,583,834, Jan. 29.

Grossenbach, Helmuth H., Milwaukee, Wis. Warning indicator for garages. 2,583,835, Jan. 29.

Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Silo filler pipe. 2,583,836, Jan. 29.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Prevention of foaming in steam generation. 2,583,771, Jan. 29.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Acid and quaternary salts of polyamides. 2,583,772, Jan. 29.

Habel, Harry M., Oak Park, Ill. Hanger. 2,583,563, Jan. 29.

Habsch, Nicholaus, Wuppertal-Vohwinkel, Germany. Hydraulic device. 2,583,528, Jan. 29.

Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Thermionic valve oscillator. 2,583,837, Jan. 29.

Hagquist, Arne, Oslo, Norway. Sewing machine. 2,584,013, Jan. 29.

Hall, Edwin S., Farmington, Conn. Barrel engine. 2,583,564, Jan. 29.

Hallock, Eugene D., Snyder, N. Y., and P. E. Whittington, Arlington, Va. Can opener. 2,583,565, Jan. 29.

Halpern, Alan, assignor to Bartmann & Bixer, Inc., New York, N. Y. Curtain construction. 2,583,529, Jan. 29.

Hammond Instrument Company, assignee: *See*—
Hanert, John M.

Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,583,566, Jan. 29.

Hannen, Clemens, Sinzig-Rhein-Ahr, Germany. Vibrating arrangement for the separation of admixtures from molten metal baths. 2,583,645, Jan. 29.

Hanson, Anton G., Minneapolis, Minn. Paper clamp. 2,583,567, Jan. 29.

Harkrader, John P., Rumson, N. J. Hoisting drum. 2,584,099, Jan. 29.

Harper, George L., La Cygne, Kans. Truck top. 2,584,014, Jan. 29.

Hart, Cecil A., Hackensack, N. J. Window sill shelf. 2,583,838, Jan. 29.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Van Hofweegen, Johannes M., and Strutt.

Harvey, James W., assignor to S. A. Harvey, Lakeville, Conn. Fish lure and manufacture. 2,583,942, Jan. 29.

Harvey, Starr A., assignee: *See*—
Harvey, James W.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Actuating mechanism for sliding doors of refrigerator cars. 2,583,646, Jan. 29.

Hasselbohm, Sune S. S., Hagersten, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Electrical connecting terminal strap. 2,583,530, Jan. 29.

Hatfield, Robert L.: *See*—
Nash, Daniel J., and Hatfield.

Hathaway, Jarrett L., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Reverberation control of gain. 2,583,531, Jan. 29.

Havens, Keith C., Robbinsdale, Minn. Kit. 2,583,532, Jan. 29.

Hawes, Albert H., Erdington, assignor, by mesne assignments, to Kwikform Limited, Small Heath, Birmingham, England. Adjustable fitting. 2,584,015, Jan. 29.

Hawes, Charles F.: *See*—
Brown, David S., Hawes, and Stork.

Hawkins, James E., and R. S. Finn, assignors to Seismograph Service Corporation, Tulsa, Okla. Cap connecting box. 2,583,839, Jan. 29.

Hawkins, Robert E., and G. E. Spaulding, Tipton, Ind., said Hawkins assignor to said Spaulding. Draft coupling. 2,583,840, Jan. 29.

Hawley, Thomas G., Jr.: *See*—
Dvorkovitz, Vladimir, and Hawley.

Hayes, Robert A., Franklin Park, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,583,735, Jan. 29.

Haynes, Warren T., Longview, Wash. Motor vehicle road map support. 2,583,647, Jan. 29.

Hayward, John T., Tulsa, Okla. Apparatus for measuring rotary well strings and well depths. 2,583,841, Jan. 29.

Hazeltine Research, Inc., assignee: *See*—
Brittain, Francis H., Ransley, and Ryde.

Heil Co., The, assignee: *See*—
McCabe, John B., Strelow, and Marty.

Heizer, Edward J., West Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Yarn furnishing mechanism. 2,583,568, Jan. 29.

Held, Hans, Flushing, and J. Weits, Baldwin, N. Y. Cyclone dust collector. 2,583,696, Jan. 29.

Helmer, Esther H., special administratrix: *See*—
Hoffman, Harry W., and Helmer.

Helmer, Grover H.: *See*—
Hoffman, Harry W., and Helmer.

Hendrickson, James M., West Franklin Township, Armstrong County, assignor to Eljer Company, Ford City, Pa. Method and apparatus for casting ceramic articles. 2,583,842, Jan. 29.

Hendry, John L., Jr., and R. R. Pederson, Elizabeth, N. J. Comminuting food products. 2,583,697, Jan. 29.

Hensley, Guy P., San Francisco, and D. O. Johnson, Loleta, assignors to Golden State Company, Ltd., San Francisco, Calif. Powder conveying method and apparatus. 2,583,648, Jan. 29.

Herrick, Homer K., Monrovia, Calif. Magnetic type one-way clutch. 2,583,843, Jan. 29.

Herzfeld, Simon H., and M. Kleiman, assignors to Velsicol Corporation, Chicago, Ill. Production of a new composition of matter. 2,583,569, Jan. 29.

Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Gas heater. 2,583,736, Jan. 29.

Hewlett-Packard Company, assignee: *See*—
Hewlett, William R.

Hewlett, William R., assignor, by mesne assignments, to Hewlett-Packard Company, Palo Alto, Calif. Modified Wien-bridge oscillator. 2,583,649, Jan. 29.

Hewlett, William R., assignor, by mesne assignments, to Hewlett-Packard Company, Palo Alto, Calif. Modified Wien-bridge oscillator. 2,583,943, Jan. 29.

Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Nozzle for rocket motors. 2,583,570, Jan. 29.

Hiehle, Michael E., Syracuse, N. Y., assignor to General Electric Company. Diplex antenna feed system. 2,583,773, Jan. 29.

Hiensch, Johannes N., Eindhoven, Netherlands. Destroying patterns. 2,583,533, Jan. 29.

High Seas Tuna Packing Co., Inc., assignee: *See*—
Prickett, Wilber W.

Hild, Henry F., Merion Park, assignor to Proctor Electric Company, Philadelphia, Pa. Thermostatic switch. 2,584,016, Jan. 29.

Hill, William J., Mount Lebanon, Pa., and C. C. Wales, Lorain, Ohio, assignors to United States Steel Company. Vertical bar and billet mill. 2,583,844, Jan. 29.

Hillenbrand, William A., Franklin County, and F. J. Burst, assignors to Hill-Rom Company, Inc., Batesville, Ind. Bedside cabinet. 2,584,089, Jan. 29.

Hill-Rom Company, Inc., assignee: *See*—
Hillenbrand, William A., and Burst.

Hirszson, Beniamin, and J. A. Paparelli, Rio De Janeiro, Brazil. Punching and reinforcing device. 2,583,944, Jan. 29.

Hobbs Manufacturing Company, assignee: *See*—
Grilley, Edmund S.

Hodgkins, Hollis C., Eau Claire, Wis., assignor to United States Rubber Company, New York, N. Y. Collapsible building drum. 2,583,650, Jan. 29.

Hoffman, Dorothea H., assignor to Merck & Co., Inc., Rahway, N. J. Vitamin B_6 derivatives. 2,583,774, Jan. 29.

Hoffman, Harry W., Anoka, and G. H. Helmer, deceased, by E. H. Helmer, special administratrix, St. Louis Park, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Photoelectric recording device. 2,583,737, Jan. 29.

Hoffman, James A.: *See*—
Oldham, Samuel R., Hoffman, and Jacobson.

Hohwart, Ernest F.: *See*—
Hohwart, George and E. F.

Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Adjustable ring gauge. 2,583,738, Jan. 29.

Holik, Frank J., Amarillo, Tex. Tone arm holder. 2,583,845, Jan. 29.

Honorary Advisory Council for Scientific and Industrial Research, The, assignee: *See*—
Sirianni, Aurelio F., and Puddington.

Horning, Arthur F., Jr., Washington, D. C. Airplane power plant with direct cooling of exhaust valves. 2,583,651, Jan. 29.

Horsley, Caperton B.: *See*—
Seavey, Gordon C., and Horsley.

Houpt, Alfred G., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Apparatus for reacting ammoniacal gases. 2,584,080, Jan. 29.

Howard, J. D., Inc., assignee: *See*—
Francis, Louis.

Howe, Alfred S., Silverton, Oreg. Power cutter for vines, strawberry runners, and the like. 2,583,571, Jan. 29.

Hsi-Yu, Hsu, Shanghai, China. Auto brake. 2,584,078, Jan. 29.

Hubbard, John A.: *See*—
Rhoads, Chester A., and Hubbard.

Huber, Charles F., Middle River, Md., assignor, by mesne assignments, of one-half to Vanton Pump Corporation, New York, N. Y. Pump. 2,583,572, Jan. 29.

Hughes, Edward M., Lincoln Park, N. J. Controllable pitch propeller. 2,584,018, Jan. 29.

Hull, George A., Wichita, Kans. Garden tractor. 2,583,846, Jan. 29.

Hultgren, Axel G. E., Djursholm, Sweden. Carburization of iron and steel. 2,584,019, Jan. 29.

Hummel, Charles, assignor to Gebrüder Bühler, Uzwil, Switzerland. Continuous-type spaghetti drier. 2,583,847, Jan. 29.

Humphreys Investment Company, The, assignee: *See*— Humphreys, Ira B.

Humphreys, Ira B., assignor to The Humphreys Investment Company, Denver, Colo. Fishing rod and reel. 2,584,020, Jan. 29.

Hyde, George G., Darien, Conn., assignor to Sarsal Devices, Inc., New York, N. Y. Force amplifying nut. 2,583,775, Jan. 29.

Hydrocarbon Research, Inc., assignee: *See*— Sullivan, Frederick W., Jr.

Imperial Chemical Industries Limited, assignee: *See*— Wright, Harold R., and Martyn.

Industrial Metal Protectives, Inc., assignee: *See*— Kenis, Ivan.

Interior, United States of America as represented by the Secretary of the, assignee: *See*— Feldman, Julian, and Orchin.

Jack & Heintz Precision Industries, Inc., assignee: *See*— Neff, Joseph J.
Sears, Richard E.

Jackson, Louis, New York, N. Y. Apparatus for producing artistic designs in absorbent material. 2,584,021, Jan. 29.

Jacobs, Clare S., Grosse Pointe Park, assignor to F. L. Jacobs Co., Detroit, Mich. Brake lever. 2,583,776, Jan. 29.

Jacobs, F. L., Co., assignee: *See*— Jacobs, Clare S.

Jacobs, Marcellus L., assignor to Jacobs Wind Electric Company, Minneapolis, Minn. Tree felling jack. 2,583,945, Jan. 29.

Jacobs Wind Electric Company, assignee: *See*— Jacobs, Marcellus L.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Shaft seal. 2,583,777, Jan. 29.

Jacobson, Woodrow R., Schenectady, N. Y., assignor to General Electric Company. Reproducing apparatus. 2,583,778, Jan. 29.

Jacobsson, Wilgot J.: *See*— Oldham, Samuel R., Hoffman, and Jacobsson.

James, William S., Birmingham, Mich., assignor to Fram Corporation. Ventilation of crankcases for internal-combustion engines. 2,584,090, Jan. 29.

Jarvis & Jarvis, Inc., assignee: *See*— Kostolecki, John F.

Jaynes, Edwin T., Washington, D. C., assignor to The Sperry Corporation. Radio receiving system. 2,583,573, Jan. 29.

Jenkins, James N.: *See*— Perrin, Tom S., and Jenkins.

Jenson, Arthur H.: *See*— Jenson, Jean S. and A. H.

Jenson, Jean S., Chicago, and A. H. Jenson, Evanston, Ill. Calculating and indicating device. 2,583,946, Jan. 29.

Johnson, Albin B., Hutchinson, Kans. Surface pipe bracing and centering means. 2,584,022, Jan. 29.

Johnson, Del O.: *See*— Hansley, Guy P., and Johnson.

Johnson, Dollace M.: *See*— Johnson, William H. and D. M.

Johnson, Karl G., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Switching device for the setting of crossbar switches by means of markers. 2,583,848, Jan. 29.

Johnson, William H. and D. M., Washington, D. C. Retractable toothcomb. 2,584,023, Jan. 29.

Jones, Harold O., Pleasantville, N. Y., assignor to Air Reduction Company, Incorporated. Removing paint. 2,583,779, Jan. 29.

Jones, Harrison W., Berkeley, W. J. Thorsen, Napa, and H. P. Lundgren, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Acrolein and sulfur halide process to strengthen protein fibers. 2,583,574, Jan. 29.

Jörgensen, Anders O.: *See*— Ericsson, Eric A., and Jörgensen.

Just, Christian, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland. Suction end-catcher in ring spinning and twisting machines. 2,583,849, Jan. 29.

Kaczka, Edward A., Elizabeth, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. 2,4,5-triamino-6-alkoxy pyrimidines and preparing same. 2,584,024, Jan. 29.

Kaiser, Emil, and J. Svarz, assignors to Armour and Company, Chicago, Ill. Sterold 6-acetic acids. 2,584,091, Jan. 29.

Katz, Ernest, Haifa, Palestine; now by judicial change of name E. H. Casson. Welding machine. 2,583,575, Jan. 29.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Drier. 2,583,850, Jan. 29.

Kaufmann Corporation, assignee: *See*— Kaufmann, Harry A.

Kaufmann, Harry A., assignor to Kaufmann Corporation, Detroit, Mich. Convertible window. 2,583,851, Jan. 29.

Kautzman, Frank, and J. A. B. Peak, Salt Lake City, Utah, said Peak assignor to said Kautzman. Loose-leaf check and binder assembly. 2,583,852, Jan. 29.

Kawneer Company, The, assignee: *See*— Plym, Lawrence J.

Kazdin, Frank W., Laurelton, N. Y. Diathermy electrode. 2,583,853, Jan. 29.

Keagy, Nellie W., Columbus, Ohio. Bunion cushion. 2,583,652, Jan. 29.

Keczeli, George M., assignor to Mary M. Keczeli, Colorado Springs, Colo. Reproduction machine of the pantograph type. 2,583,653, Jan. 29.

Keczeli, Mary M., assignee: *See*— Keczeli, George M.

Keetch, William A., assignor to Lord Manufacturing Company, Erie, Pa. Handle bar mounting. 2,583,947, Jan. 29.

Keetch, William A., assignor to Lord Manufacturing Company, Erie, Pa. Resilient mounting. 2,583,948, Jan. 29.

Kehbel, Heinz G., Bavaria, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Inductance coil with ceramic form for high frequency. 2,583,854, Jan. 29.

Keller, Jay H., and R. Riley, Sebring, Ohio, assignors to Solar Engineering & Equipment Company, Beaver, Pa. Cup decorating machine. 2,584,092, Jan. 29.

Kellogg, M. W., Company, The, assignee: *See*— Marshall, Walton H., Jr.
Wrightson, John M.

Kelsey, William H., Stockton, Utah. Elevator bucket with suction barrier. 2,584,025, Jan. 29.

Kemp, Jacob D., San Francisco, and A. E. Stickland, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Catalytic isomerization of isoheptanes to triptane. 2,583,739, Jan. 29.

Kemp, Jacob D., assignor to California Research Corporation, San Francisco, Calif. Two-stage isomerization of N-heptane. 2,583,740, Jan. 29.

Kendrick, John F., Columbus, Ohio. Apparatus for drilling motion indicators. 2,584,026, Jan. 29.

Kendrick, John F., Columbus, Ohio. Drilling cable with insulated conductor. 2,584,027, Jan. 29.

Kendrick, John F., Columbus, Ohio. Impact switch. 2,584,028, Jan. 29.

Kendrick, Karl A., Grank Rapids, Mich. Switch construction for suction cleaner appliances. 2,583,949, Jan. 29.

Kenis, Ivan, Dayton, Ohio, assignor to Industrial Metal Protectives, Inc., Wilmington, Del. Zincilate impregnated fiber glass. 2,583,855, Jan. 29.

Kern, Charles J., Long Island City, T. Antoshkiw, Stapleton, and M. R. Maiese, Brooklyn, assignors to American Home Products Corporation, New York, N. Y. Clear aqueous solutions of oleaginous compositions. 2,583,576, Jan. 29.

Kiefer, William R., assignee: *See*— Osterhus, Ervin J.

Kiler, Floyd R., Monrovia, Calif. Magnetic oscillatory device. 2,583,741, Jan. 29.

Kingsbury, William A., Oakland, Calif. Coring tool. 2,583,577, Jan. 29.

Kirschner, Henry E., St. Joseph, Mo. Adjustable hinge. 2,583,950, Jan. 29.

Kleiman, Morton: *See*— Herzfeld, Simon H., and Kleiman.

Klein, Charles G., La Junta, Colo. Lined dispensing carton. 2,583,856, Jan. 29.

Kliegel, George, Washington, D. C., Cup, saucer, and cream jug. 2,583,951, Jan. 29.

Kmiecik, Leopold J., assignor to McDonnell & Miller, Inc., Chicago, Ill. Fluid level responsive device. 2,583,952, Jan. 29.

Knudsen, Raymond G.: *See*— Walraven, George M., and Knudsen.

Komline-Sanderson Engineering Corporation, assignee: *See*— Komline, Thomas R.

Komline, Thomas R., assignor to Komline-Sanderson Engineering Corporation, Ridgewood, N. J. Rotary drum vacuum filter. 2,583,698, Jan. 29.

Koppers Company, Inc., assignee: *See*— Schwertz, Frederick A.

Koppinger, Nicholas G., St. Clair Shores, assignor to Briggs Manufacturing Company, Detroit, Mich. Glare shield support. 2,583,857, Jan. 29.

Korsgaard, Paul H., assignor to Transparent Package Company, Chicago, Ill. Automatic shirring machine. 2,583,654, Jan. 29.

Kostolecki, John F., assignor to Jarvis & Jarvis, Inc., Palmer, Mass. Automatic swivel locking caster. 2,583,858, Jan. 29.

Kraus, John D., Newton Center, Mass., assignor to United States of America as represented by the Secretary of War. Electrical apparatus. 2,583,953, Jan. 29.

Kucinski, Bruno: *See*— Fields, Herbert P., and Kucinski.

Kugler's Radio Service, Inc., assignee: *See*— Kugler, Norbert G.

Kugler, Robert G., assignor to Kugler's Radio Service, Inc., Springfield, Ohio. Turntable construction. 2,583,954, Jan. 29.

Kükenthal, Hans: *See*— Schrader, Gerhard, and Kükenthal.

Kwiform Limited, assignee: *See*— Hawes, Albert H.

Lacene Manufacturing Company, assignee: *See*— Baumeister, George R.

Lamont, George: *See*— De Ment, Jack, Lamont, and Polly.

Land, Anthony H., Ridley Park, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Disulfide compounds. 2,584,081, Jan. 29.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic silver transfer product and process, including a lead salt. 2,584,029, Jan. 29.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Light sensitive silver halide photographic product for image transfer and process utilizing the same. 2,584,030, Jan. 29.

Lander, Arthur M., Park Ridge, assignor to Lawndale Enameling Co., Chicago, Ill. Deenameling process. 2,584,031, Jan. 29.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,584,032, Jan. 29.

Larsen, Russell C., Hansen, Idaho. Tripping mechanism for revolving rakes. 2,583,655, Jan. 29.

Laserson, Frederick M., Los Angeles, Calif. Supplemental air supply mechanism for automotive engines. 2,584,033, Jan. 29.

Lawndale Enameling Co., assignee: *See*— Lander, Arthur M.

Lawson, George S., Perry, and J. C. Lawson, Euclid, assignors to Future Products, Inc., Cleveland, Ohio. Apparatus for distributing rubber in molds. 2,583,955, Jan. 29.

Lawson, James C.: *See*— Lawson, George S., and J. C.

Lay Corporation, assignee: *See*— Lay, Giles P.

Lay, Giles P., Ontario, assignor to Lay Corporation, Portland, Oreg. Hydraulic automatic selective transmission, including tilt plates. 2,583,656, Jan. 29.

Lea, Peggy J., Kansas City, Mo., and H. B. Fisher, Bartlesville, Okla., assignors to Phillips Petroleum Company. Low water-loss cement and making. 2,583,657, Jan. 29.

Lee, Richard W., Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electronic marker circuit. 2,584,034, Jan. 29.

Le Febvre, Arthur H.: *See*— Alexanderson, Howard A., and Le Febvre.

Lefferdink, Cornelius S.: *See*— Greenberg, Morris, and Lefferdink.

Lemay Machine Company, assignee: *See*— Suellentrop, Fred F.

Le Moyne, Roy W., assignee: *See*— Peterson, Eric W.

Lendle, Carl R., Orlando, Fla. Home garment bagger. 2,584,035, Jan. 29.

Lepel High Frequency Laboratories, Inc., assignee: *See*— Weitmann, Otto.

Lepin, Maurice, Le Peage-de-Roussillon, and A. Bally, St.-Maurice-l'Exil, assignors to Societe "Rhodiaceta," Paris, France. Apparatus for diffusing liquids in viscous masses. 2,583,742, Jan. 29.

"Les Brevets Souhart" S. A., assignee: *See*— Souhart, Jacques P.

Lessmann, Gerhard P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tension device. 2,583,780, Jan. 29.

Leszak, John, Baltimore, and H. F. Zimmerman, assignors to Bendix Aviation Corporation, Towson, Md. Pull-out mechanism. 2,583,859, Jan. 29.

Levkoff, David, Great Neck, N. Y. Machine for folding cartons. 2,583,860, Jan. 29.

Lewallen, Herschal G., Anderson, Ind. Cuff attachment for trouser legs. 2,583,861, Jan. 29.

Lichko, William V., Cleveland, Ohio. Wheeled sounding toy in the form of a pig. 2,583,658, Jan. 29.

Lichtenstein, Herbert A., Bangor, Maine. Dispensing container having an electrically vibrated screen. 2,583,862, Jan. 29.

Liebel-Flarsheim Company, The, assignee: *See*— Fischer, Robert E.

Lindsay, Alexander R., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Station wagon or the like. 2,583,781, Jan. 29.

Lindsay, Robert M., Oak Park, and C. Randazzo, Elmwood, assignors to Chicago Metal Hose Corporation, Maywood, Ill. Coupling structure. 2,583,956, Jan. 29.

Lockhart, Margaret L., assignee: *See*— Lockhart, Marshall L.

Lockhart, Marshall L., assignor of one-half to M. L. Lockhart, Detroit, Mich. Hypodermic syringe. 2,583,743, Jan. 29.

Lodge, Alvin, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Machine suspension. 2,583,579, Jan. 29.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Party line connector circuit for code ringing. 2,583,782, Jan. 29.

Lomax, Clarence E., Chicago, Ill., and J. M. Wild, Ithaca, N. Y., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Pay station circuits for automatic telephone systems. 2,583,783, Jan. 29.

Long, John C., Charleston, S. C. Booklet. 2,583,699, Jan. 29.

Lord Manufacturing Company, assignee: *See*— Keetch, William A.

Lovell Manufacturing Company, assignee: *See*— Kauffman, Walter L., II.

Lowndes, Richard I., Jr., Cleveland, Tenn. Templet etching device. 2,583,578, Jan. 29.

Ludwig, John W., New Canaan, Conn., assignor, by mesne assignments, to Askania Regulator Company, Chicago, Ill. Web register control system. 2,583,580, Jan. 29.

Lukens, Hiram S., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of War. Metal coating. 2,583,581, Jan. 29.

Lundgren, Harold P.: *See*— Jones, Harrison W., Thorsen, and Lundgren.

Lupu, Isabell J.: *See*— Coultier, Joseph F., and Lupu.

Luscher, Leber & Co. A. G., assignee: *See*— Muff, Georg.

Lyon, Edmond H., assignor to Bernardin Bottle Cap Co., Inc., Evansville, Ind. Device for feeding closure caps to containers. 2,583,700, Jan. 29.

Lyon, John C.: *See*— Watter, Michael, and Lyon.

Lysen, Kermit V., Willmar, Minn. Fishhook. 2,583,863, Jan. 29.

Macaluso, Pat, Bronxville, assignor to Foster D. Snell, Inc., New York, N. Y. Making rigid foam composition. 2,584,082, Jan. 29.

Maccaferri, Mario, Rye, N. Y. Clip for clothes racks. 2,583,784, Jan. 29.

Magee, Paul B., Buffalo, N. Y., assignor to General Electric Company. Biasing protective system for high-power oscillators. 2,583,785, Jan. 29.

Mahoney, John F., Linden, N. J., and E. Pierson, Harrisonburg, Va., assignors to Merck & Co., Inc., Rahway, N. J. Azeotropic dehydration of aqueous chloral mixtures. 2,584,036, Jan. 29.

Maiese, Michael R.: *See*— Kern, Charle J., Antoshkiw, and Maiese.

Malek, Jack H.: *See*— Malek, Morris S., and J. H.

Malek, Morris S. and J. H., New York, N. Y. Apparatus for applying a basting stitch to fabrics. 2,583,582, Jan. 29.

Malmsten, Philip C., assignor to A. O. Smith Corporation, Milwaukee, Wis. Adjustable eccentric. 2,583,864, Jan. 29.

Mangan, John R., La Crosse, Wis. Compressor pump. 2,583,583, Jan. 29.

Marcus, Jerome, assignee: *See*— Burke, James P.

Marien, Charles A.: *See*— Sundberg, Gustave L., and Marien.

Mariner, Thomas: *See*— Stamm, Robert F., Mariner, Barnes, and Stryker.

Marshall, Walton H., Jr., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Production of hydrazine hydrate. 2,583,584, Jan. 29.

Marshall, Walton H., Jr., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Production of hydrazine hydrate. 2,583,585, Jan. 29.

Martin, Nicholas F., Wilmington, Del. Vernier-type oil burner nozzle. 2,583,659, Jan. 29.

Marty, Robert W.: *See*— McCabe, John B., Strelow, and Marty.

Martyn, Roger W.: *See*— Wright, Harold R., and Martyn.

Marvin, George W., assignor of one-half to Standard Parts Co., Los Angeles, Calif. Piston ring assembly. 2,583,957, Jan. 29.

Marvin, Stanley: *See*— Gaubert, Rene J., and Marvin.

Marzucco, Sebastian J., Wynnewood, Pa. Hurdle. 2,583,786, Jan. 29.

Massey-Harris Company, The, assignee: *See*— Goble, William E.

Mast, George W., Stamford, Conn., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Streptomycin glucuronate. 2,583,534, Jan. 29.

Masucci, Peter: *See*— Pennell, Robert B., and Masucci.

Mathieson Chemical Corporation, assignee: *See*— Soule, Edward C., and Sheltmire.

McCabe, John B., and H. A. Strelow, Milwaukee, and R. W. Marty, Waukesha, assignors to The Heil Co., Milwaukee, Wis. Loading device for bottle washers or the like. 2,583,787, Jan. 29.

McCarty, Lourdes V.: *See*— Pawelsky, Vernon R., McCarty, and Zarwell.

McCarty, Lourdes V., Milwaukee, Wis., assignor to A P Controls Corporation. Adjustable fluid metering valve. 2,583,788, Jan. 29.

McDaniel, Lloyd E.: *See*— Foster, Jackson W., and McDaniel.

McDaniel, William F., Fort Dodge, Iowa. Awning structure. 2,583,701, Jan. 29.

McDonnell & Miller, Inc., assignee: *See*— Kmiecik, Leopold J.

McGrath, Richard J., Virginia Beach, assignor to Atlantic and Gulf Stevedores, Inc., Norfolk, Va. Dust collector for cargo loading and trimming device. 2,584,037, Jan. 29.

McIlhinney, Evelyn, Ottawa, Ontario, Canada. Bathing suit. 2,583,865, Jan. 29.
McLamore, William M.: *See*—
Whitehill, Lynwood N., and McLamore.
Mejean, Jacques G., assignor to The Aerotec Corporation, Greenwich, Conn. Electric flasher switch. 2,583,789, Jan. 29.
Mellett, Dana S., Dearborn, Mich., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gate valve. 2,584,083, Jan. 29.
Merck & Co., Inc., assignee: *See*—
Foster, Jackson W., and McDaniel.
Hoffman, Dorothea H.
Kaczka, Edward A., and Folkers.
Mahoney, John F., and Pierson.
Mero, Ralph M., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for vacuumizing, gassing, and closing containers. 2,583,866, Jan. 29.
Metalmasters, Inc., assignee: *See*—
Greenberg, Morris, and Lefferdink.
Meyer, John J., New York, N. Y. Glass and dish breakage protector for sinks. 2,583,702, Jan. 29.
Meyer, Walter W., Arlington Heights, assignor to Rotary Seal Company, Chicago, Ill. Shaft seal. 2,583,867, Jan. 29.
Mikina, Stanley J., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frictional gear mechanism. 2,583,790, Jan. 29.
Miller, Adam E., Baltimore, Md. Mounting chassis for electrical and electronic circuit elements. 2,583,586, Jan. 29.
Miller, Robert A., assignee: *See*—
Fulton, Roy R.
Miller, Rody, Akron, Ohio. High-frequency antenna. 2,583,745, Jan. 29.
Milsom, Frederick R., Boreham Wood, England. Electric integrating circuit. 2,583,587, Jan. 29.
Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Haseltine, Stacy B.
Moclun, Anthony T. A., Manhattan Beach, Calif., assignor to North American Aviation, Inc. Resistance welded dome nut. 2,583,868, Jan. 29.
Monson, Oscar P., Kenosha, Wis. Valve. 2,583,869, Jan. 29.
Moon, James, Altadena, assignor to Western Oil Tool & Engineering Co. Inc., Glendale, Calif. Portable derrick. 2,583,958, Jan. 29.
Moore, Mark, Davenport, Nebr. Liquid lure ejecting device useful in fishing. 2,583,660, Jan. 29.
Morgan, Jack F.: *See*—
Bestehorn, Heinrich H., and Morgan.
Morgan-Sabalol Products, Inc., assignee: *See*—
Frost, Walter S.
Morison, William J., Chelmsford, England. Apparatus for cleaning vehicles. 2,583,703, Jan. 29.
Morrison, David, Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Switch for use in defrosting systems. 2,583,661, Jan. 29.
Morrison, John A., Seattle, Wash., assignor to Boeing Airplane Company. Aircraft control lock. 2,584,038, Jan. 29.
Mosteller, James C., Fairfield, Ohio. Less inflammable hydraulic fluid. 2,583,588, Jan. 29.
Mueller, Ervin H., Grosse Pointe, Mich. Simmer control for a valve for a gaseous fuel. 2,583,959, Jan. 29.
Muff, Georg, assignor to Luscher, Leber & Co. A. G., Berne, Switzerland. Breakup bank for composing rooms. 2,584,039, Jan. 29.
Murphy, Goodrich K., New Canaan, Conn., assignor to The Budd Company, Philadelphia, Pa. Passenger accommodations for railway cars and similar vehicles. 2,583,960, Jan. 29.
Myers, F. E., & Bro. Co., The, assignee: *See*—
Spreng, Warren M., and Zehner.
Nafziger, Ralph L., Los Angeles, Calif. Bread pan. 2,583,870, Jan. 29.
Napiecinski, Peter A., Milwaukee, Wis. Card shuffling aid. 2,583,871, Jan. 29.
Naranick, Nicholas T., Chicago, Ill. Combination package. 2,584,040, Jan. 29.
Nash, Daniel J., Jersey City, and R. L. Hatfield, East Orange, assignors to Nash Inc., Jersey City, N. J. Key pouch. 2,583,961, Jan. 29.
Nash Inc., assignee: *See*—
Nash, Daniel J., and Hatfield.
National Smelting Company Limited, The, assignee: *See*—
Robson, Stanley.
National-Standard Company, assignee: *See*—
Elder, Richard W.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Hathaway, Jarrett L.
Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electronic comparator. 2,583,791, Jan. 29.
Nelson, Lloyd E., Evanston, Ill. Timer circuit. 2,583,792, Jan. 29.
Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Magnetron anode. 2,583,793, Jan. 29.
Neptune, Herman P., Los Angeles, Calif. Form clamp. 2,583,962, Jan. 29.
Newcomb, Philip P., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Gas turbine power plant, including planetary gearing between a compressor, turbine, and power consumer. 2,583,872, Jan. 29.
Nicholls, Kenneth H., Bromley, and A. G. Rose, Gainsborough, England. Rotary pump and motor differential hydraulic transmission. 2,583,704, Jan. 29.
Nichols, Hayden, Salt Lake City, Utah. Sealing element. 2,583,873, Jan. 29.
Niemann, Charles L., Westboro, Mo. Poultry feeding device. 2,583,874, Jan. 29.
Noble, Francis D., Toronto, Ontario, Canada. Electric control for hangar telescopic canopy doors. 2,583,662, Jan. 29.
Nordberg Manufacturing Company, assignee: *See*—
Bohn, Donald I.
Foxx, John F.
North American Aviation, Inc., assignee: *See*—
Moclun, Anthony T. A.
Nowak, Milton, Union, N. J., and A. Fischer, Bronx, N. Y., assignors to Nuodex Products Co., Inc., Elizabeth, N. J. Preparing oil-soluble metal soaps. 2,584,041, Jan. 29.
Nuodex Products Co., Inc., assignee: *See*—
Nowak, Milton, and Fischer.
Nylander, Arnold L.: *See*—
Rowell, Ralph M., and Nylander.
Obenchain, Leo B., Branford, Conn. Awning for trailers 2,583,663, Jan. 29.
Ober, Roy A., Akron, Ohio. Toothbrush and antiseptic holder. 2,584,042, Jan. 29.
Oberly, Louis A., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for processing filamentary materials. 2,584,043, Jan. 29.
O'Connor, Frank, New York, N. Y. Electric current generator. 2,583,589, Jan. 29.
Oldham, Samuel R., West Orange, J. A. Hoffman, Roselle, and W. J. Jacobsson, Plainfield, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Relief valve. 2,583,664, Jan. 29.
O'Meara, James P., assignor to W. M. Sprinkman Corporation, Milwaukee, Wis. Filter. 2,583,963, Jan. 29.
Orchin, Milton: *See*—
Feldman, Julian, and Orchin.
Orth, John H.: *See*—
Dwinell, William G., and Orth.
Osrow, Harold: *See*—
Osrow, Leonard and H.
Osrow, Leonard and H., Queens County, N. Y. Faucet spout connector. 2,584,044, Jan. 29.
Osterhus, Ervin J., assignor, by mesne assignments, of thirty one-hundredths to R. R. Roemer, thirty-five one-hundredths to L. E. Roemer, twenty-five one-hundredths to W. R. Kiefer, and ten one-hundredths to J. E. Tompkins, Cleveland, Ohio. Centrifugal switch for induction motors. 2,583,590, Jan. 29.
Östmar, Frans E. O., assignor to Svenska Turbinfabriks Aktiebolaget Ljungström, Finspong, Sweden. Rotor for axial flow elastic fluid compressors or turbines. 2,583,875, Jan. 29.
Otter, Faye E., administratrix: *See*—
Otter, Harold S.
Otter, Harold S., deceased, St. Ignatius, Mont.; F. E. Otter, administratrix, assignor to Processed Trout Foods, Incorporated. Preparing fish food. 2,583,964, Jan. 29.
Outboard, Marine & Manufacturing Company, assignee: *See*—
Watkins, Lucius D.
Owens-Illinois Glass Company, assignee: *See*—
Elser, William F., and Richard.
Pacific Parachute Company, Inc., assignee: *See*—
Thompson, Charles E.
Page, James M., Jr., Chicago, and V. Voorhees, Homewood, assignors to Standard Oil Company, Chicago, Ill. Submarine anchorage. 2,583,965, Jan. 29.
Paparelli, Joseph A.: *See*—
Hirszson, Beniamin, and Paparelli.
Paragon Electric Company, assignee: *See*—
Morrison, David.
Paragon Revolute Corporation, assignee: *See*—
Wilde, Frederick G.
Parks, Herman D., Schenectady, N. Y., assignor to General Electric Company. Twenty-four-hour alarm clock. 2,583,794, Jan. 29.
Parnall (Yate) Limited, assignee: *See*—
Whitaker, Alfred.
Pawelsky, Vernon R., L. V. McCarty, and C. E. Zarwell, Milwaukee, Wis., assignors to A P Controls Corporation. Thermoelectric gas valve. 2,583,795, Jan. 29.
Peak, Junior A. B.: *See*—
Kautzman, Frank, and Peak.
Pederson, Richard R.: *See*—
Hendry, John L., Jr., and Pederson.
Penkauskas, John E., assignor to A M I Incorporated, Grand Rapids, Mich. Hand tool. 2,583,876, Jan. 29.

Pennell, Robert B., Lansdowne, and P. Masucci, Norwood, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Purifying diphtheria toxoids. 2,584,093, Jan. 29.
People in the territory of the United States, dedicated to the free use of the, assignee: *See*—
Gaddis, Bevy M.
Perrin, Tom S., and J. N. Jenkins, Painesville, assignors to Diamond Alkali Company, Cleveland, Ohio. Recovery of vanadium-free chromate. 2,583,591, Jan. 29.
Pest Control Limited, assignee: *See*—
Ripper, Walter E.
Ripper, Walter E., and Dorman.
Peters, Leo, Evanston, Ill. Doorcase. 2,584,045, Jan. 29.
Peters, Leo, Evanston, Ill. Garment retainer. 2,584,046, Jan. 29.
Peterson, Clarence A., Independence, Mo. Cellophane package sealing apparatus. 2,583,705, Jan. 29.
Peterson, Eric W., Ottawa County, assignor to R. W. Le Moyne, Detroit, Mich. Sheet assembling and folding machine. 2,583,746, Jan. 29.
Peyron, Henry L., Inglewood, Calif. Automobile hoist and positioner. 2,583,877, Jan. 29.
Philco Corporation, assignee: *See*—
Blayney, James L.
Phillips, Joseph F., Chicago, Ill. Punch for forming holes in cans. 2,584,047, Jan. 29.
Phillips Petroleum Company, assignee: *See*—
Lea, Peggy J., and Fisher.
Pierson, Earl: *See*—
Mahoney, John F., and Pierson.
Pilia, Frank J., West Orange, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Gas blanketed arc welding. 2,583,665, Jan. 29.
Pioneer Gen-E-Motor Corporation, assignee: *See*—
Boyce, Eugene L., and Goldberg.
Pitman, Richard W., Laverock-Hillcrest, Pa., assignor to Underwood Corporation, New York, N. Y. Automatic old balance pickup means for accounting and like machines. 2,583,666, Jan. 29.
Plasti-Cation Corporation, assignee: *See*—
French, George O., and Du Roy.
Plym, Lawrence J., assignor to The Kawneer Company, Niles, Mich. Metal awning. 2,583,878, Jan. 29.
Pogue, Robert H., Birmingham, Ala., assignor to Chicago Bridge & Iron Company. Jointed ladder for floating roofs. 2,583,592, Jan. 29.
Pohl, Herbert H., Minneapolis, Minn. Antiskid chain. 2,583,879, Jan. 29.
Polaroid Corporation, assignee: *See*—
Land, Edwin H.
Polly, Jim: *See*—
De Ment, Jack, Lamont, and Polly.
Potter, Marcus L., Park Ridge, Ill., assignor to Gordon Specialties Company. Rotary antenna. 2,583,747, Jan. 29.
Pratt, John W., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Reel for supporting wire coils. 2,583,667, Jan. 29.
Precision Scientific Co., assignee: *See*—
Van Gulder, Walter.
Premo, Lewis W., assignor to Gisholt Machine Company, Madison, Wis. Clamp. 2,583,880, Jan. 29.
Prescott, Isaac S., Orlando, Fla. Spray gun nozzle assembly. 2,583,706, Jan. 29.
Prickett, Wilber W., assignor to High Seas Tuna Packing Co., Inc., San Diego, Calif. Article handling apparatus. 2,583,707, Jan. 29.
Processed Trout Foods, Incorporated, assignee: *See*—
Otter, Harold S.
Proctor Electric Company, assignee: *See*—
Hild, Henry F.
Wallis, Preston M., Jr.
Products & Licensing Corporation, assignee: *See*—
Fleischel, Gaston.
Puddington, Ira E.: *See*—
Sirianni, Aurelio F., and Puddington.
Ramsey Corporation, assignee: *See*—
Sundberg, Gustave L., and Marien.
Ramsey, Juanita G., Washington, D. C. Compartmented case having interengageable closures. 2,584,048, Jan. 29.
Randazzo, Charles: *See*—
Lindsay, Robert M., and Randazzo.
Ransley, Charles E.: *See*—
Brittain, Francis H., Ransley, and Ryde.
Rasmussen, James W., Los Angeles, Calif. Dust collector. 2,583,881, Jan. 29.
Rayonier Incorporated, assignee: *See*—
Briggs, Ben T.
Redman, Frank R., assignee: *See*—
Chatfield, Franklin.
Reid, John D.: *See*—
Daul, George C., and Reid.
Reinecke, Jean O., Oak Park, Ill., assignor to the United States of America as represented by the Secretary of War. Can opener. 2,584,049, Jan. 29.
Reinstein, Sol, Philadelphia, Pa. Stocking construction. 2,583,748, Jan. 29.
Rek-O-Kut Company, assignee: *See*—
Simonson, Sydney.
Reynolds, Daniel P., Massillon, Ohio. Dipping form. 2,583,593, Jan. 29.
Rheo-France Compagnie Internationale des Rheolaveurs a France, societe anonyme, assignee: *See*—
France, Antoine.
Rhoads, Chester A., and J. A. Hubbard, Dayton, Ohio, assignors, by mesne assignments, to The Dayton Taximeter Co. Taximeter. 2,583,966, Jan. 29.
Ricardo & Co. Engineers (1927) Limited, assignee: *See*—
Ricardo, Harry R.
Ricardo, Harry R., assignor to Ricardo & Co. Engineers (1927) Limited, London, England. Supercharged internal-combustion engine. 2,583,882, Jan. 29.
Richard, Kenneth L.: *See*—
Elser, William F., and Richard.
Riley, Ray: *See*—
Keller, Jay H., and Riley.
Ripper, Walter E., Ravenstone, Harston, assignor to Pest Control Limited, Harston, England. Aerial spraying. 2,583,883, Jan. 29.
Ripper, Walter E., Harston, and A. K. Dorman, Sawston, assignors to Pest Control Limited, Harston, England. Aerial spraying. 2,583,884, Jan. 29.
Roberts, Earle L., Modesto, Calif. Anchor for gopher traps. 2,583,749, Jan. 29.
Roberts, James A.: *See*—
Fischer, Howard R., and Roberts.
Robeson, Charles D., assignor to Eastman Kodak Company, Rochester, N. Y. Esterification of polyene acids. 2,583,594, Jan. 29.
Robins, Adolf, White Plains, N. Y. Adjustable holder for ash trays and the like. 2,584,050, Jan. 29.
Robson, Stanley, Enfield, assignor to The National Smelting Company Limited, London, England. Condensation of zinc from its vapor in gaseous mixtures. 2,583,668, Jan. 29.
Rock Island Millwork Company, assignee: *See*—
Weyerhaeuser, Frederick.
Rodel, Albert, New York, and K. E. Schukraft, Brooklyn, N. Y., said Schukraft assignor to said Rodel. Food cutting apparatus. 2,583,595, Jan. 29.
Roelandts, Adelson, Mont-St. Amand-Lez-Gand, Belgium. Shuttle. 2,583,796, Jan. 29.
Roemer, Louise E., assignee: *See*—
Osterhus, Ervin J.
Roemer, Ralph R., assignee: *See*—
Osterhus, Ervin J.
Root, Elihu, III, Springfield, Vt. Optical system for path-length multiplication in interferometers. 2,583,596, Jan. 29.
Rose, Alfred G.: *See*—
Nicholls, Kenneth H., and Rose.
Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Chain conveyer. 2,583,708, Jan. 29.
Rose Brothers (Gainsborough) Limited, assignee: *See*—
Rose, Alfred G.
Rose, Marie, Butte, Mont. Buttonhole forming device. 2,584,051, Jan. 29.
Rosfelder, Eugene F., Chicago, Ill. Dial structure. 2,583,797, Jan. 29.
Rosseau, Leon B., Narberth, assignor to Ajax Electric Company, Inc., Philadelphia, Pa. Furnace lift and translation mechanism. 2,583,937, Jan. 29.
Rosseau, Leon B., Narberth, assignor to Ajax Electric Company, Inc., Philadelphia, Pa. Pusher mechanism. 2,583,968, Jan. 29.
Rotary Seal Company, assignee: *See*—
Meyer, Walter W.
Rowell, Ralph M., Lynn, and A. L. Nylander, Swampscott, Mass., assignors to General Electric Company. Power factor and phase rotation hook on meter. 2,583,798, Jan. 29.
Rubico, Jerome A., East Boston, assignor to Jerome Rubico, Inc., Boston, Mass. Making flexible footwear. 2,584,084, Jan. 29.
Rubico, Jerome, Inc., assignee: *See*—
Rubico, Jerome A.
Rumscheidt, Gottfried E.: *See*—
Goppel, Johan M., and Rumscheidt.
Runnels, Garland D., New York, N. Y. Tongue scraper. 2,583,750, Jan. 29.
Russenberger, Max, assignor to Alfred J. Amsler & Co., Schaffhausen, Switzerland. Gripping means for specimens in pulsating testing machines. 2,583,885, Jan. 29.
Ryde, John W.: *See*—
Brittain, Francis H., Ransley, and Ryde.
Rykert, Willard C., Hinsdale, assignor to Union Special Machine Company, Chicago, Ill. Electronic seaming machine. 2,583,709, Jan. 29.
Ryner, Arthur, London, England, assignor to American Aggregate Company, Kansas City, Mo. Concrete block molding machine. 2,583,597, Jan. 29.
S & S Corrugated Paper Machinery Co. Inc., assignee: *See*—
Shields, Albert F.
Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Waterproof sweatband for hats. 2,584,094, Jan. 29.
Salem Brosius, Inc., assignee: *See*—
Buckholdt, Robert E.
Salzberg, Bernard, Washington, D. C. Modulation. 2,583,598, Jan. 29.
Salzer, Walter: *See*—
Goth, Erich, and Salzer.

Samcoe Holding Corporation, assignee: *See*—
Walter, Jules G., and Cohn.
Sandorff, Paul E., Burbank, and H. W. Foster, Los Angeles, Calif. Apparatus for counting blood corpuscles. 2,584,052, Jan. 29.
Santina, Peter, San Francisco, Calif. Container for asphalt and the like. 2,583,669, Jan. 29.
Sarsal Devices, Inc., assignee: *See*—
Hyde, George G.
Sato, Takeo, Honolulu, Hawaii. Collapsible concrete beam form. 2,583,670, Jan. 29.
Savage Arms Corporation, assignee: *See*—
Dunham, George W.
Schenley Laboratories, Inc., assignee: *See*—
Goth, Erich, and Salzer.
Schlegel, Alvin J., Wichita, Kans. Power-driven toothbrush with demountably supported rotary brushes. 2,583,886, Jan. 29.
Schloen, John H., and L. V. Franchetto, assignors to Canadian Copper Refiners Limited, Montreal, Quebec, Canada. Electrolytic process of preparing selenic acid from selenious acid. 2,583,799, Jan. 29.
Schmidt, Thur, Chicago, Ill. Can opener. 2,583,969, Jan. 29.
Schmitter, Carl H., assignor to The Falk Corporation, Milwaukee, Wis. Vertical shaft seal. 2,583,671, Jan. 29.
Schmitter, Walter P., assignor to The Falk Corporation, Milwaukee, Wis. Air-cooled gear set. 2,583,751, Jan. 29.
Schneeweiss, Peter Cleveland, Ohio. Plepan support. 2,583,887, Jan. 29.
Schneider, Frank J., Jr.: *See*—
Ehlert, William C., and Schneider.
Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Braking mechanism 2,583,888, Jan. 29.
Schoessow, Glen J., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Boiler and furnace wall support. 2,583,599, Jan. 29.
Schoonenberg, Pancras J., Eindhoven, Netherlands. Expansible printing cylinder for rotary multicolor printing. 2,583,889, Jan. 29.
Schrader, Gerhard, Opladen-Bruchhausen, and H. Kükenthal, Leverkusen-Bayerwerk, assignor to Farbenfabriken Bayer, Leverkusen, Germany. Esters of thiophosphoric acid. 2,583,744, Jan. 29.
Schreiber, Allen B., deceased, St. Joseph, Mo.: H. V. Schreiber, executrix. Feed grinding and die expressing machine. 2,583,600, Jan. 29.
Schreiber, Allen B., Sr.: *See*—
Schreiber, Allen B.
Schreiber, Hazle V., executrix: *See*—
Schreiber, Allen B.
Schukraft, Karl E.: *See*—
Rodel, Albert, and Schukraft.
Schultz, Ira E., Johannesburg, Transvaal, Union of South Africa. Automatic brake adjusting mechanism. 2,583,970, Jan. 29.
Schwab, Arthur W., C. D. Evans, and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilization of soybean oils with P-toluene sulfonic acid. 2,583,602, Jan. 29.
Schwarzenbach, Gerold, Zurich, assignor to Chemische Fabrik Uetikon (Uetikon Chemical Company), Uetikon, Switzerland. Quantitative determination of metals. 2,583,890, Jan. 29.
Schwarzenbach, Gerold, Zurich, assignor to Chemische Fabrik Uetikon (Uetikon Chemical Company), Uetikon, Switzerland. Quantitative determination of metals. 2,583,891, Jan. 29.
Schwen, Frank, London, England. Electronic switching system. 2,583,711, Jan. 29.
Schwertz, Frederick A., assignor to Koppers Company, Inc., Pittsburgh, Pa. Diffusion. 2,583,601, Jan. 29.
Scinta, Anthony C., assignor to Trico Products Corporation, Buffalo, N. Y. Wiper blade for curved windshields and other surfaces. 2,583,710, Jan. 29.
Seamless Rubber Company, The, assignee: *See*—
Crowley, Cornelius J.
Sears, Raymond W.: *See*—
Gray, Frank, and Sears.
Sears, Richard E., Cleveland Heights, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Actuating device. 2,583,800, Jan. 29.
Seavey, Gordon C., Arlington, and C. B. Horsley, Westwood, assignors to Sonic Research Corporation, Boston, Mass. Application of alternating shear at sonic frequencies to the treatment of material. 2,584,053, Jan. 29.
Seismograph Service Corporation, assignee: *See*—
Hawkins, James, and Flinn.
Selas Corporation of America, assignee: *See*—
Hess, Frederic O.
Shaffer, Larkin R., Garland, Utah. Hen's nest. 2,584,054, Jan. 29.
Sharp & Dohme, Incorporated, assignee: *See*—
Land, Anthony H.
Pennell, Robert B., and Masucci.
Shaw Insulator Company, assignee: *See*—
Du Bois, John H.
Shell Development Company, assignee: *See*—
Goppel, Johan M., and Rumscheidt.
Stross, Fred H.
Wachter, Aaron, and Stillman.
Whitehill, Lynwood N., and McLamore.
Shellhouse, Michael, Gary, Ind. Hysterectomy forceps. 2,583,892, Jan. 29.
Sheltmire, William H.: *See*—
Soule, Edward C., and Sheltmire.
Shields, Albert F., Forest Hills, assignor to S & S Corrugated Paper Machinery Co. Inc., Brooklyn, N. Y. Folding machine. 2,583,712, Jan. 29.
Shields, Albert F., Forest Hills, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Feeding mechanism for folding machines. 2,583,713, Jan. 29.
Shomer, John E., Jr.: *See*—
Arndt, John P., Jr., and Shomer.
Shrosbree, Joseph E., Milwaukee, Wis. Clamp comb. 2,583,893, Jan. 29.
Shuck, James L., Corydon, Ind. Automatic door mat for automobiles. 2,583,894, Jan. 29.
Shuff, Hugh, Oneonta, Ala. Apparatus for harvesting trees. 2,583,971, Jan. 29.
Siebrandt, Elizabeth, executrix: *See*—
Siebrandt, John R.
Siebrandt, Inc., assignee: *See*—
Siebrandt, John R.
Siebrandt, John R., deceased; E. Siebrandt, executrix, assignor, by mesne assignments, to Siebrandt, Inc., Kansas City, Mo. Foot traction hitch. 2,583,895, Jan. 29.
Siebrandt, John R., deceased; E. Siebrandt, executrix, assignor to Siebrandt, Inc., Kansas City, Mo. Bone clamp. 2,583,896, Jan. 29.
Siemens-Schuckertwerke Aktiengesellschaft, assignee: *See*—
Kehbel, Heinz G.
Simmons Company, assignee: *See*—
Woller, Edward E.
Simonson, Sydney, Laurelton, assignor, by mesne assignments, to Rek-O-Kut Company, Long Island City, N. Y. Selectable speed drive for sound transcription mechanisms. 2,583,972, Jan. 29.
Simplex Packaging Machinery, Inc., assignee: *See*—
Gaubert, Rene J., and Marvin.
Singer Manufacturing Company, The, assignee: *See*—
Sailer, Rudolph J.
Sirianni, Aurelio F., and I. E. Puddington, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Substituted thickener lubricating grease. 2,583,603, Jan. 29.
Sirianni, Aurelio F., and I. E. Puddington, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Lubricating grease. 2,583,604, Jan. 29.
Sirianni, Aurelio F., and I. E. Puddington, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Silica base lubricating grease. 2,583,605, Jan. 29.
Sirianni, Aurelio F., and I. E. Puddington, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Silica base lubricating greases. 2,583,606, Jan. 29.
Sirianni, Aurelio F., and I. E. Puddington, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Complex soap greases. 2,583,607, Jan. 29.
Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Tubular container. 2,584,095, Jan. 29.
Smeds, Roy W., Reedley, Calif. Automatic vineyard cultivator. 2,583,897, Jan. 29.
Smith, A. O., Corporation, assignee: *See*—
Andrus, Orrin E.
Burklin, Adolf J.
Gruetjen, Frederick A.
Malmsten, Philip C.
Uecker, Otto E.
Smith, Charles R., Chicago, Ill. Automobile turning and supporting carriage. 2,583,714, Jan. 29.
Smith, Lester H., Maplewood, N. J. Vapor phase electrochemical process. 2,583,898, Jan. 29.
Smith, Lester H., Maplewood, N. J. Electrochemical process. 2,583,899, Jan. 29.
Smith, Ralph K., Rawson, Ohio. Distributor for dust and aggregate. 2,583,608, Jan. 29.
Smith, Richard C., Snyder, N. Y., assignor to Curtiss-Wright Corporation. Sequence control mechanism. 2,584,055, Jan. 29.
Smith, Wilke W., Burbank, Calif. Ignition control and alarm system. 2,583,752, Jan. 29.
Snap-On Tools Corporation, assignee: *See*—
Burdick, Clifford I.
Walraven, George M., and Knudsen.
Snell, Foster D., Inc., assignee: *See*—
Macaluso, Pat.
Societe "Rhodiaceta," assignee: *See*—
Lepin, Maurice, and Bally.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Broding, Robert A.
Mellett, Dana S.
Solar Engineering & Equipment Company, assignee: *See*—
Keller, Jay H., and Riley.
Solop, Sydor, Woodside, N. Y. Hair curler. 2,583,715, Jan. 29.
Sonic Research Corporation, assignee: *See*—
Seavey, Gordon C., and Horsley.
Souhart, Jacques P., assignor to "Les Brevets Souhart" S. A., Paris, France. Control means for chain shifting change-speed gears for cycles. 2,583,609, Jan. 29.
Soule, Edward C., and W. H. Sheltmire, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation. Preparation of stable, solid, water-soluble, surface-active compositions containing urea and a quaternary ammonium compound. 2,584,056, Jan. 29.
Soule, Edward C., and W. H. Sheltmire, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation. Preparation of stable, solid, water-soluble, surface-active compositions containing urea and a quaternary ammonium compound. 2,584,057, Jan. 29.
Sparrow, Maxwell E., assignee: *See*—
Feuer, Irving.
Spaulding, Glen E.: *See*—
Hawkins, Robert E., and Spaulding.
Specialties Development Corporation, assignee: *See*—
Heizer, Edward J.
Spence, Thomas E., Madison, Wis. Tobacco pipe. 2,583,900, Jan. 29.
Spencer, Lee, Phoenix, Ariz. Heavy-duty tie plate and light rail adapter therefor. 2,583,610, Jan. 29.
Sperry Corporation, The, assignee: *See*—
Edwards, Robert S.
Jaynes, Edwin T.
Spreng, Warren M., and W. H. Zehner, assignors to The F. E. Myers & Bro. Co., Ashland, Ohio. Orchard sprayer. 2,583,753, Jan. 29.
Sprinkman, W. M., Corporation, assignee: *See*—
O'Meara, James P.
Squire, Alexander C. A., Bloxwich, England. Control mechanism for change-speed gearing on motor vehicles. 2,584,058, Jan. 29.
Stackhouse, Francis D., Jr., Upper Darby, Pa., assignor to American Locker Company, Inc., Boston, Mass. Checking cabinet door. 2,584,059, Jan. 29.
Stafford, Rogers T.: *See*—
Ballou, Frederick A., Jr., and Stafford.
Stamm, Robert F., Stamford, T. Mariner, Mount Joy, R. B. Barnes, Stamford, and C. R. Stryker, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Differential refractometer. 2,583,973, Jan. 29.
Standard Oil Company, assignee: *See*—
French, August.
Page, James M., Jr., and Voorhees.
White, Philip C.
Standard Parts Co., assignee: *See*—
Marvin, George W.
Stayboldt, Sven J., Los Angeles, Calif. Collapsible and concealable reading rack. 2,584,101, Jan. 29.
Stephano Brothers, assignee: *See*—
Stephano, Constantine S.
Stephano, Constantine S., Elkins Park, assignor to Stephano Brothers, Philadelphia, Pa. Apparatus for individually wrapping cigarettes. 2,584,060, Jan. 29.
Stickland, Arthur E.: *See*—
Kemp, Jacob D., and Stickland.
Stillman, Nathan: *See*—
Wachter, Aaron, and Stillman.
Stilphen, Mortimer B., Haverhill, Mass. Cooking device. 2,584,061, Jan. 29.
Stone, Vincent O., assignor to The Glacier Metal Company Limited, Alperton, Wembley, England. Machine vise having jaws movable downwardly when pressed against workpiece. 2,584,062, Jan. 29.
Storey, Alvin B., Cumberland, Md., assignor to Celanese Corporation of America. Carton. 2,583,672, Jan. 29.
Storey, Alvin B., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Carton. 2,583,673, Jan. 29.
Stork, Ralph E.: *See*—
Brown, David S., Hawes, and Stork.
Strelow, Henry A.: *See*—
McCabe, John B., Strelow, and Marty.
Stromberg-Carlson Company, assignee: *See*—
Enslein, Kurt.
Stross, Fred H., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Lubricant. 2,584,085, Jan. 29.
Strutt, Maximilian J. O.: *See*—
Van Hofweegen, Johannes M., and Strutt.
Stryker, Charles R.: *See*—
Stamm, Robert F., Mariner, Barnes, and Stryker.
Suellentrop, Fred F., assignor to Lemay Machine Company, Lemay, Mo. Apparatus for manufacturing whipped cream. 2,584,063, Jan. 29.
Sullivan, Frederick W., Jr., Summit, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Synthesis of hydrocarbons in the presence of a solid adsorbent. 2,583,611, Jan. 29.
Summers, Caleb E., Orchard Lake, Mich. Fuel pump cylinder and piston. 2,583,974, Jan. 29.
Sundberg, Gustave L., Muskegon, Mich., and C. A. Marien, St. Louis, Mo., assignors to Ramsey Corporation, Wilmington, Del. Piston ring gapping machine. 2,583,612, Jan. 29.
Svarz, Jerry: *See*—
Kaiser, Emil, and Svarz.
Svenska Turbinfabriks Aktiebolaget Ljungström, assignee: *See*—
Östmar, Frans E. O.
Swift, Gilbert: *See*—
Thayer, Jean M., Swift, and Fearon.
Swinehart, Frank, Strongsville, Ohio. Pencil sharpener. 2,584,064, Jan. 29.
Tagliero, Alberto J., Buenos Aires, Argentina. Bodice structure. 2,583,716, Jan. 29.
Talbott, Newton G., Ogden, Utah. Safety bar for window washers. 2,583,613, Jan. 29.
Talley, Calvin C., Levelland, Tex. Hardware insulator for vehicles. 2,583,901, Jan. 29.
Taplin, Harold J., Birchington, England. Determining the time of run of power-driven models. 2,583,717, Jan. 29.
Tatar, Fred, Gloversville, N. Y. Glove. 2,583,902, Jan. 29.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Anthracene-9, 10-bis methanethiol. 2,583,975, Jan. 29.
Taylor, Clarence R., Penfield, N. Y. Gummed tape dispenser. 2,584,065, Jan. 29.
Taylor, George J.: *See*—
Dickey, Joseph B., and Taylor.
Taylor, George J., Kingsport, Tenn., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Acylated methine dye compounds. 2,583,614, Jan. 29.
Taylor, Lenore M., Seattle, Wash. Dental clamp. 2,583,903, Jan. 29.
Telefonaktiebolaget L M Ericsson, assignee: *See*—
Ericsson, Eric A., and Jörgensen.
Hasselbohm, Sune S. S.
Johnson, Karl G.
Thayer, Jean M., G. Swift, and R. E. Fearon, assignors to Well Surveys, Incorporated, Tulsa, Okla. Neutron well logging. 2,583,904, Jan. 29.
Thayer, Jean M., G. Swift, and R. E. Fearon, assignors to Well Surveys, Incorporated, Tulsa, Okla. Neutron well logging. 2,583,976, Jan. 29.
Theisen, John P., Columbus, Ind., assignor to Arvin Industries, Inc. Electric fan and heater. 2,583,754, Jan. 29.
Thomas & Betts Co., The, assignee: *See*—
Bergan, Martin D.
Thomas, Henry P., Fayetteville, N. Y., assignor to General Electric Company. Frequency multiplier circuit. 2,583,801, Jan. 29.
Thomas, Pacific J., Wyoming, assignor to U. S. Textile Machine Company, Scranton, Pa. Stop motion for twisting and winding machines. 2,584,096, Jan. 29.
Thompson, Charles E., Great Falls, Mont., assignor, by mesne assignments, to Pacific Parachute Company, Inc. Parachute pack and container. 2,583,905, Jan. 29.
Thorsen, Walter J.: *See*—
Jones, Harrison W., Thorsen, and Lundgren.
Time, Incorporated, assignee: *See*—
Faeber, Harry W.
Faeber, Harry W., and O. V. and L. Dutro.
Timken-Detroit Axle Company, The, assignee: *See*—
Lodge, Alvin.
Tobey, Alton E., Santa Cruz, Calif. Apparatus for making rasp webs. 2,583,615, Jan. 29.
Tobler, Henry, Jr., Hopewell, Va., assignor to Celanese Corporation of America, New York, N. Y. Textile inspection apparatus. 2,583,674, Jan. 29.
Tompkins, J. Everette, assignee: *See*—
Osterhus, Ervin J.
Torkelson, Frank C., Salt Lake City, Utah. Bleacher frame construction. 2,584,066, Jan. 29.
Transparent Package Company, assignee: *See*—
Korsgaard, Paul H.
Trbojevich, Nikola, Cleveland, Ohio. Constant velocity universal joint. 2,584,097, Jan. 29.
Trico Products Corporation, assignee: *See*—
Scinta, Anthony C.
Turner, George L., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Handling material. 2,583,977, Jan. 29.
Turner, Osband C., Savannah, Ga. Shutter release. 2,584,067, Jan. 29.
Uecker, Otto E., assignor to A. O. Smith Corporation, Milwaukee, Wis. High-pressure closure. 2,584,100, Jan. 29.
Uncas Manufacturing Company, assignee: *See*—
Barbieri, Nicholas.
Underwood Corporation, assignee: *See*—
Dobson, William A.
Pitman, Richard W.
Undy, Gustav E., Detroit, Mich., assignor, by mesne assignments, to Weltronic Company. Electrical control system. 2,583,755, Jan. 29.
Union Carbide and Carbon Corporation, assignee: *See*—
Oldham, Samuel R., Hoffman, and Jacobsson.

Pilla, Frank J.
Union Special Machine Company, assignee: *See*—
Hayes, Robert A.
Rykert, Willard C.
United Aircraft Corporation, assignee: *See*—
Gerstenberger, Walter.
Newcomb, Philip P.
United Shoe Machinery Corporation, assignee: *See*—
Pratt, John W.
United States Rubber Company, assignee: *See*—
Hodgkins, Hollis C.
Tawney, Pliny O.
United States Steel Company, assignee: *See*—
Gross, Harry E.
Hill, William J., and Wales.
U. S. Textile Machine Company, assignee: *See*—
Thomas, Pacific J.
Universal Oil Products Company, assignee: *See*—
Deanesly, Richard M.
University of Pennsylvania, The Trustees of The, assignee: *See*—
Ehrenstein, Maximilian R.
Vanderbilt, R. T., Company, Inc., assignee: *See*—
Craig, William L.
Van Guilder, Walter, River Forest, assignor to Precision Scientific Co., Chicago, Ill. Constant temperature cabinet. 2,583,906, Jan. 29.
Van Hofweegen, Johannes M., and M. J. O. Strutt, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Impedance transformer. 2,584,068, Jan. 29.
Vanton Pump Corporation, assignee: *See*—
Huber, Charles F.
Vaydo, George, Princeton, British Columbia, Canada. Safety dog for elevators and mine cages. 2,583,907, Jan. 29.
Velsicol Corporation, assignee: *See*—
Herzfeld, Simon H., and Kleiman.
Vonnegut, Frederick M., San Bruno, Calif. Brush ferrule. 2,583,908, Jan. 29.
Voorhees, Vanderveer: *See*—
Page, James M., Jr., and Voorhees.
Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Hydraulic fluid composition. 2,584,086, Jan. 29.
Waddell, Clark W., Chicago, Ill. Fish lure. 2,583,616, Jan. 29.
Waggoner, Frank L., Industrial City, Mo. Automatic film rewind. 2,583,675, Jan. 29.
Wagner Electric Corporation, assignee: *See*—
Schnell, Steve.
Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Snap switch. 2,583,756, Jan. 29.
Wales, Charles C.: *See*—
Hill, William J., and Wales.
Walker, Thomas B., assignor to Isaac Braithwaite & Son Engineers Limited, Kendal, England. Machine for washing, dry cleaning, or garment dyeing. 2,584,070, Jan. 29.
Wall, Lindsay S., Winston-Salem, N. C. Unloading apparatus for dump trucks. 2,584,069, Jan. 29.
Wallis, Preston M., Jr., assignor, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa. Flat-iron support. 2,584,071, Jan. 29.
Walls, Daniel W., Binghamton, N. Y. Colostomy appliance. 2,583,718, Jan. 29.
Walraven, George M., and R. G. Knudsen, assignors to Snap-On Tools Corporation, Kenosha, Wis. Ratchet control mechanism. 2,583,617, Jan. 29.
Walter, Jules G., and S. Cohn, assignors to Samcoe Holding Corporation, New York, N. Y. Tubular knitted fabric. 2,583,757, Jan. 29.
War, United States of America as represented by the Secretary of, assignee: *See*—
Hickman, Clarence N.
Kraus, John D.
Lee, Richard W.
Lukens, Hiram S.
Reinecke, Jean O.
Warth, William C., Milwaukee, Wis. Fishing rod handle. 2,583,909, Jan. 29.
Washburn Company, The, assignee: *See*—
Dennis, E. Lucian, and Glenny.
Waterbury Farrel Foundry and Machine Company, The, assignee: *See*—
Wilcox, Richard L.
Watkins, Lucius D., Milwaukee, Wis., assignor to Outboard, Marine & Manufacturing Company, Waukegan, Ill. Outboard motor thrust and tilt lock adjustment. 2,583,910, Jan. 29.
Watter, Michael, Philadelphia, and J. C. Lyon, Upper Darby, assignors to The Budd Company, Philadelphia, Pa. Safety closure. 2,583,978, Jan. 29.
Weatherhead Company, The, assignee: *See*—
White, Harold A.
Webber, Clifford B., Coon Rapids, Iowa. Sickle grinder. 2,583,758, Jan. 29.
Webster, James F., Lafayette, Ind. Floating birdbath. 2,583,911, Jan. 29.
Weil, Ernest, assignee: *See*—
Furlong, Donn B.
Weiss, Karl E., Arlington, Mass. Building block. 2,583,912, Jan. 29.
Welterschan, Mabel, assignee: *See*—
Welterschan, Michael A.
Welterschan, Michael A., assignor of one-half to M. Welterschan, Broadalbin, N. Y. Poultry shackling device. 2,583,913, Jan. 29.
Weltmann, Otto, Cedar Grove, N. J., assignor to Lepel High Frequency Laboratories, Inc., New York, N. Y. Oscillator power supply apparatus. 2,583,979, Jan. 29.
Welts, John: *See*—
Held, Hans, and Welts.
Well Surveys, Incorporated, assignee: *See*—
Thayer, Jean M., Swift, and Fearon.
Weltronic Company, assignee: *See*—
Undy, Gustav E.
Wendel, Clifford A., Butte, Mont. Color scope. 2,583,676, Jan. 29.
Western Foundation Corporation, assignee: *See*—
Caudill, Howard F.
Western Oil Tool & Engineering Co. Inc., assignee: *See*—
Moon, James.
Westinghouse Electric Corporation, assignee: *See*—
Lessmann, Gerhard P.
Mikina, Stanley J.
Weyerhaeuser, Frederick, St. Paul, Minn., assignor to Rock Island Millwork Company, Rock Island, Ill. Production of hot-molded articles from wood sawdust. 2,583,618, Jan. 29.
Whitaker, Alfred, London, assignor to Parnall (Yate) Limited, Yate, near Bristol, England. Differential manometer. 2,583,914, Jan. 29.
White, Harold A., St. Thomas, Ontario, Canada, assignor to The Weatherhead Company, Cleveland, Ohio. Grommet. 2,583,719, Jan. 29.
White, Herbert E., Cleveland Heights, Ohio. Backup device for welding, brazing, or soldering operation. 2,584,072, Jan. 29.
White, Philip C., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Preparation of a Raney catalyst surface. 2,583,619, Jan. 29.
Whitehill, Lynwood N., Berkeley, Calif., and W. M. McLamore, Cambridge, Mass., assignors to Shell Development Company, San Francisco, Calif. Unsaturated diesters of hydrazodicarbonic acid and polymers thereof. 2,583,980, Jan. 29.
Whitley, James E., Richmond, Calif., assignor to Mabelle L. Dier, West Vancouver, British Columbia, Canada. Collapsible box. 2,583,915, Jan. 29.
Whitney, John E. S.: *See*—
Evans, Edward M., and Whitney.
Whittington, Paul E.: *See*—
Hallock, Eugene D., and Whittington.
Wickman, Randolph F., Los Angeles, Calif. Lantern attachment. 2,583,916, Jan. 29.
Wiegant, John, Depoe Bay, Oreg. Attachment for lathes. 2,583,917, Jan. 29.
Wiggins, John H., Chicago, Ill. Dry seal pressure type gasholder. 2,583,981, Jan. 29.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Making washer face nuts or the like. 2,583,677, Jan. 29.
Wild, John M.: *See*—
Lomax, Clarence E., and Wild.
Wilde, Frederick G., assignor to Paragon Revolute Corporation, Rochester, N. Y. Apparatus for feeding aqua ammonia and the like. 2,583,678, Jan. 29.
Wilkins, George C., South Windham, Maine. Wrapping strip. 2,584,074, Jan. 29.
Willcox to Gibbs Sewing Machine Company, assignee: *See*—
Backlin, Clarence R.
Williams, John T. A., New Orleans, La. Resilient motor vehicle tire. 2,584,073, Jan. 29.
Williams, Sidney B., and C. O. Butler, Oakland, assignors to C & S All Weather Shield Co., Alameda, Calif. Weather shield. 2,583,759, Jan. 29.
Wilson, Russell E., Cleveland, Ohio. Projection apparatus with optical compensator for multiple objects. 2,584,075, Jan. 29.
Wilson, Walter G., Martyr Worthy, near Winchester, England. Fluid pressure actuated clutch. 2,583,919, Jan. 29.
Wilson, William C., Lenora, Kans. Universal tractor and implement cab. 2,583,918, Jan. 29.
Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Guard rail for folding berths. 2,583,760, Jan. 29.
Woodworth, N. A., Company, assignee: *See*—
Hohwart, George and E. F.
Wright, Harold B., West Kilbride, and R. W. Martyn, Fairlie, Scotland, assignors to Imperial Chemical Industries Limited. Explosive booster. 2,583,802, Jan. 29.
Wrightson, John M., North Bergen, assignor to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,583,620, Jan. 29.
Wurzbach, Hugh E., Magna, Utah. Control system. 2,584,076, Jan. 29.
Yaeger, Walter A., Norwalk, Ohio. Maintenance of serviceability of dry shavers. 2,584,077, Jan. 29.

Yellott, John I., Cockeysville, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C. Coal fired combustion chamber with regenerator tubes on either side within the turbine exhaust duct. 2,583,920, Jan. 29.
Yellott, John I., Cockeysville, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C. Multiple element vortical whirl ash separator. 2,583,921, Jan. 29.
Zarwell, Cedric E.: *See*—
Pawelsky, Vernon R., McCarty, and Zarwell.
Zehner, William H.: *See*—
Spreng, Warren M., and Zehner.
Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch lever assembly. 2,583,621, Jan. 29.
Zimmerman, Harry F.: *See*—
Leszak, John, and Zimmerman.
Zimmerman, William H., San Diego, Calif. Brush for phonograph needles. 2,583,622, Jan. 29.
Zummach, Karl G., Mount Clemens, assignor to Briggs Manufacturing Company, Detroit, Mich. Lavatory and combined supporting bracket and towel rack therefor. 2,583,922, Jan. 29.
Zwosta, Joseph M.: *See*—
Zwosta, Michael J. and J. M.
Zwosta, Michael J. and J. M., Brooklyn, N. Y. Cleaning and testing apparatus for beer dispensing systems. 2,583,982, Jan. 29.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29th DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Robo-chord. K. A. Bowen. Re. 23,458, Jan. 29.

LIST OF PLANT INVENTIONS

Evergreen tree. J. J. Pinney. 1,070, Jan. 29.
Poinsettia plant. P. Ecke. 1,068, Jan. 29.
Spirea plant. H. D. Grepke. 1,069, Jan. 29.

LIST OF DESIGN INVENTIONS

Airplane. R. L. Bayless and E. G. Stout. 165,735, Jan. 29.
Armchair. J. Risom. 165,788, Jan. 29.
Back guard for a range. R. E. Kruck. 165,767, Jan. 29.
Bassinet or similar article. H. L. Kirby. 165,763, Jan. 29.
Billfold and picture holder or the like, Combined. W. Lipp. 165,770, Jan. 29.
Billfold or the like. W. Lipp. 165,771, Jan. 29.
Board, Game. W. J. Champion. 165,739, Jan. 29.
Bottle. F. L. Twitty. 165,805, Jan. 29.
Bottle and bottle cap, Combined. M. M. Barton. 165,734, Jan. 29.
Bottle and bottle cap, Combined. P. A. Marchant. 165,773, Jan. 29.
Box, Jewelry. M. Weill. 165,807, Jan. 29.
Brassière slip. J. Train. 165,803, Jan. 29.
Bridge tally. V. Martin. 165,774, Jan. 29.
Brush cleaner for floors and walls. M. Herron. 165,753, Jan. 29.
Building mounted combination air intake and exhaust vent for heaters. A. W. Lundstrum. 165,772, Jan. 29.
Burner, Gas. D. L. Painter. 165,780, Jan. 29.
Cabinet and desk, Vertically adjustable combination. B. S. L. Freitag. 165,745, Jan. 29.
Cabinet, Bar. M. Renna. 165,787, Jan. 29.
Cabinet, Combined television and radio-phonograph. S. E. Adler. 165,731, Jan. 29.
Cabinet or similar article, Display. A. Shilin and H. Denworth. 165,798, Jan. 29.
Cart, Nesting. Samu-El Ish-Shalom. 165,758, Jan. 29.
Case, Merchandise display. M. L. Shanahan. 165,797, Jan. 29.
Case, Photographic camera. J. O. Reinecke. 165,786, Jan. 29.
Chair. R. M. Nelson. 165,776, Jan. 29.
Christmas tree. H. S. Anderson. 165,732, Jan. 29.
Clasp for necklaces or the like, Adjustable. M. Pagliuca. 165,779, Jan. 29.
Commode, Extension. H. B. Gaines. 165,746, Jan. 29.
Container, Lady's undergarment. I. Kornblau. 165,766, Jan. 29.
Cup. G. M. Parker, Jr. 165,782, Jan. 29.
Dehumidifier. J. F. Halbeisen. 165,750, Jan. 29.
Desk and seat frame, School. W. J. Bargen. 165,733, Jan. 29.
Disk plow. H. G. Klemm. 165,764, Jan. 29.
Disk plow. H. G. Klemm and N. A. Nelson. 165,765, Jan. 29.
Dispenser, Condiment. W. H. Youngerman. 165,813, Jan. 29.
Duck decoy. G. L. Herter. 165,754, Jan. 29.
Dump trailer. H. H. Turner. 165,804, Jan. 29.
Fabric. H. Rose. 165,791, Jan. 29.
Fabric, Textile. B. Leerer. 165,769, Jan. 29.
Flag, Christian. C. L. Jensen. 165,759, Jan. 29.
Flashgun. R. L. Pennock, Jr., and R. J. Breer. 165,784, Jan. 29.
Flashgun and camera mount, Combined. R. L. Pennock, Jr., and R. J. Breer. 165,783, Jan. 29.
Glass, Spillproof. E. F. Olsen. 165,778, Jan. 29.
Gum-vending machine. D. B. Wheeler. 165,809, Jan. 29.
Hairbrush or similar article, Musical. C. Robbins. 165,789, Jan. 29.
Handbag, Lady's. L. Bley. 165,736, Jan. 29.
Handle, Mower. E. D. Wilkin. 165,810, Jan. 29.
Holder for oysterettes and sea food condiments, Combined. I. Fishman. 165,744, Jan. 29.
Knife. R. Wright. 165,811, Jan. 29.
Lamp. G. A. Watrous. 165,806, Jan. 29.
Light fixture. I. S. Brochstein. 165,738, Jan. 29.
Lighting fixture, Wall. W. H. Pollard, Jr. 165,785, Jan. 29.
Manicure kit. S. S. Joslyn. 165,761, Jan. 29.
Measuring device for semisolids. O. Dieckmann. 165,743, Jan. 29.
Mixer, Electric food. C. H. Gemmill. 165,747, Jan. 29.
Mixer for frozen desserts. W. C. Kelley and H. C. Phillips. 165,762, Jan. 29.
Plate or the like. P. R. Costigan. 165,741, Jan. 29.
Playing unit for game tables or similar articles. S. T. Cooper. 165,740, Jan. 29.
Rack, Poker chip. C. H. Stedman. 165,799, Jan. 29.
Range, Electric. E. R. Culver, Jr. 165,742, Jan. 29.
Sadiron, Electric. M. Ireland. 165,757, Jan. 29.
Shaker, Condiment. M. A. Weisbrot. 165,808, Jan. 29.
Sock or similar article. S. B. Schwartz and R. D. Blum, Jr. 165,792–6, Jan. 29.
Sprinkler, Lawn. H. S. Ingham and C. K. Wilson. 165,756, Jan. 29.
Stand or similar article, Smoker's. W. C. Panzer. 165,781, Jan. 29.
Stocking. C. D. Goff. 165,748–9, Jan. 29.
Stocking. G. C. Talt. 165,800–1, Jan. 29.
Stocking, Lady's. O. E. Kuehnert. 165,768, Jan. 29.
Stroller. J. Abahazi, Jr. 165,730, Jan. 29.
Swimming trunks. A. O. Wupperman. 165,812, Jan. 29.
Table, Picnic. G. Offutt and W. Daum. 165,777, Jan. 29.
Toothpick assembly, Detachable. G. E. Millard. 165,775, Jan. 29.
Toy, Spinning. J. Heim. 165,752, Jan. 29.
Tumbler or similar article. W. R. Horne. 165,755, Jan. 29.
Vehicle trim louver or similar article. W. E. Robinson. 165,790, Jan. 29.
Vending machine. O. W. Timm and H. R. Greene. 165,802, Jan. 29.
Vending machine or similar article. F. Hebel. 165,751, Jan. 29.
Vending machine, Selective merchandise. A. R. Jones. 165,760, Jan. 29.
Wheel, Steering. R. E. Bourke. 165,737, Jan. 29.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29th DAY OF JANUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorber for refrigerating apparatus. R. S. Gaugler. 2,583,769, Jan. 29.
Accumulator state control positioning mechanism. R. E. Boyden. 2,583,810, Jan. 29.
Acid and quaternary salts of polyamides. L. O. Gunderson. 2,583,772, Jan. 29.
Acrolein and sulfur halide process to strengthen protein fibers. H. W. Jones, W. J. Thorsen and H. P. Lundgren. 2,583,574, Jan. 29.
Actuating device. R. E. Sears. 2,583,800, Jan. 29.
Actuating mechanism for sliding doors of refrigerator cars. S. B. Haseltine. 2,583,646, Jan. 29.
Acylated methine dye compounds. G. J. Taylor and J. B. Dickey. 2,583,614, Jan. 29.
Adjustable door. J. B. Bamberg. 2,583,989, Jan. 29.
Adjustable eccentric. P. C. Malmsten. 2,583,864, Jan. 29.
Adjustable fitting. A. H. Hawes. 2,584,015, Jan. 29.
Adjustable fluid metering valve. L. V. McCarty. 2,583,788, Jan. 29.
Adjustable ring gauge. G. and E. F. Hohwart. 2,583,738, Jan. 29.
Aerial spraying. W. E. Ripper. 2,583,883, Jan. 29.
Aerial spraying. W. E. Ripper and A. K. Dorman. 2,583,884, Jan. 29.
Agitating device for liquid containing tanks. D. S. Brown, C. F. Hawes, and R. E. Stork. 2,583,725, Jan. 29.
Air-cooled gear set. W. P. Schmitter. 2,583,751, Jan. 29.
Aircraft control lock. J. A. Morrison. 2,584,038, Jan. 29.
Airplane power plant with direct cooling of exhaust valves. A. F. Horning, Jr. 2,583,651, Jan. 29.
Aligning electrical circuits, Method and apparatus for automatically. K. Enslein. 2,584,004, Jan. 29.
Anchor for gopher traps. E. L. Roberts. 2,583,749, Jan. 29.
Antenna, High-frequency. R. Miller. 2,583,745, Jan. 29.
Antenna, Rotary. M. L. Potter. 2,583,747, Jan. 29.
Anthracene-9, 10-bis methanethiol. P. O. Tawney. 2,583,975, Jan. 29.
Antiskid chain. H. H. Pohl. 2,583,879, Jan. 29.
Apparatus for applying a basting stitch to fabrics. M. S. and J. H. Malek. 2,583,582, Jan. 29.
Apparatus for artificial development of germ organisms. E. A. Braun. 2,583,993, Jan. 29.
Apparatus for cleaning vehicles. W. J. Morison. 2,583,703, Jan. 29.
Apparatus for counting blood corpuscles. P. E. Sandorff and H. W. Foster. 2,584,052, Jan. 29.
Apparatus for cutting flanged slots in radiator sections. M. J. Celovsky. 2,583,682, Jan. 29.
Apparatus for diffusing liquids in viscous masses. M. Lepin and A. Bally. 2,583,742, Jan. 29.
Apparatus for distributing rubber in molds. G. S. and J. C. Lawson. 2,583,955, Jan. 29.
Apparatus for drilling motion indicators. J. F. Kendrick. 2,584,026, Jan. 29.
Apparatus for feeding aqua ammonia and the like. F. G. Wilde. 2,583,678, Jan. 29.
Apparatus for harvesting trees. H. Shuff. 2,583,971, Jan. 29.
Apparatus for individually wrapping cigarettes. C. S. Stephano. 2,584,060, Jan. 29.
Apparatus for making rasp webs. A. E. Tobey. 2,583,615, Jan. 29.
Apparatus for manufacturing whipped cream. F. F. Suellentrop. 2,584,063, Jan. 29.
Apparatus for measuring rotary well strings and well depths. J. T. Hayward. 2,583,841, Jan. 29.
Apparatus for producing artistic designs in absorbent material. L. Jackson. 2,584,021, Jan. 29.
Apparatus for reacting ammoniacal gases. A. G. Houpt. 2,584,080, Jan. 29.
Apparatus for shrinking and condensing textile fabrics. F. Chatfield. 2,583,630, Jan. 29.
Apparatus for upsetting a headed tubular rivet while altering the shape of the rivet head. R. S. Colley. 2,583,727, Jan. 29.
Apparatus for vacuumizing, gassing, and closing containers. R. M. Mero. 2,583,866, Jan. 29.
Application of alternating shear at sonic frequencies to the treatment of material. G. C. Seavey and C. B. Horsley. 2,584,053, Jan. 29.
Article handling apparatus. W. W. Prickett. 2,583,707, Jan. 29.
Artist's color dispenser. L. Francis. 2,583,827, Jan. 29.
Atomizer system. A. H. Bahnson, Jr. 2,583,986, Jan. 29.
Attachment for lathes, J. Wiegant. 2,583,917, Jan. 29.
Auto brake. H. Hsi-Yu. 2,584,078, Jan. 29.
Automatic brake adjusting mechanism. I. E. Schultz. 2,583,970, Jan. 29.
Automatic bungee. W. Gerstenberger. 2,583,828, Jan. 29.
Automatic old balance pickup means for accounting and like machines. R. W. Pitman. 2,583,666, Jan. 29.
Automatic swivel locking caster. J. F. Kostolecki. 2,583,858, Jan. 29.
Automatic twin bar-bridge bench piercer mill. H. E. Gross. 2,583,834, Jan. 29.
Automobile hoist and positioner. H. L. Peyron. 2,583,877, Jan. 29.
Automobile turning and supporting carriage. C. R. Smith. 2,583,714, Jan. 29.
Awning for trailers. L. B. Obenchain. 2,583,663, Jan. 29.
Awning, Metal. L. J. Glym. 2,583,878, Jan. 29.
Awning structure. W. F. McDaniel. 2,583,701, Jan. 29.
Azeotropic dehydration of aqueous chloral mixtures. J. F. Mahoney and E. Pierson. 2,584,036, Jan. 29.
Backup device for welding, brazing, or soldering operation. H. E. White. 2,584,072, Jan. 29.
Bar for window washers, Safety. N. C. Talbott. 2,583,613, Jan. 29.
Barrel engine. E. S. Hall. 2,583,564, Jan. 29.
Bedside cabinet. W. A. Hillenbrand and F. J. Burst. 2,584,089, Jan. 29.
Biasing protective system for high-power oscillators. P. B. Magee. 2,583,785, Jan. 29.
Bicycle basket support. E. L. Dennis and C. S. Glenny. 2,583,550, Jan. 29.
Birdbath, Floating. J. F. Webster. 2,583,911, Jan. 29.
Bleacher frame construction. F. C. Torkelson. 2,584,066, Jan. 29.
Block: *See*—
Building block.
Boat, Fishing. E. C. S. Clark. 2,583,929, Jan. 29.
Bobbin. L. F. Burlein. 2,583,995, Jan. 29.
Bodice structure. A. J. Tagliero. 2,583,716, Jan. 29.
Boiler and furnace wall support. G. J. Schoessow. 2,583,599, Jan. 29.
Bonding closure materials, Method and apparatus for. W. F. Elser and K. L. Richard. 2,584,002, Jan. 29.
Bone clamp. J. R. Siebrandt. 2,583,896, Jan. 29.
Book. C. B. Cook. 2,583,998, Jan. 29.
Booklet. J. C. Long. 2,583,699, Jan. 29.
Bowl having removable pocket thereon. J. Duncan. 2,583,822, Jan. 29.
Box: *See*—
Cap connecting box.
Collapsible box.
Boxmaking machine. R. J. Gaubert and S. Marvin. 2,583,641, Jan. 29.
Brace, Drop foot. L. M. Goffredo. 2,584,010, Jan. 29.
Brake: *See*—
Auto brake.
Brake lever. C. S. Jacobs. 2,583,776, Jan. 29.
Brake rigging device. B. S. Cain. 2,583,765, Jan. 29.
Braking mechanism. S. Schnell. 2,583,888, Jan. 29.
Breakup bank for composing rooms. G. Muff. 2,584,039, Jan. 29.
Brush ferrule. F. M. Vonnegut. 2,583,908, Jan. 29.
Brush for phonograph needles. W. H. Zimmerman. 2,583,622, Jan. 29.
Building block. K. E. Weiss. 2,583,912, Jan. 29.
Building drum, Collapsible. H. C. Hodgkins. 2,583,650, Jan. 29.
Burial apparatus. W. A. Canaday. 2,583,628, Jan. 29.
Buttonhole forming device. M. Rose. 2,584,051, Jan. 29.
Cabinet: *See*—
Bedside cabinet.
Collapsible cabinet.
Constant temperature cabinet.
Cable with insulated conductor, Drilling. J. F. Kendrick. 2,584,027, Jan. 29.
Calculating and indicating device. J. S. and A. H. Jenson. 2,583,946, Jan. 29.
Can separating device. V. B. Evans. 2,583,934, Jan. 29.
Cap connecting box. J. E. Hawkins and R. S. Flun. 2,583,839, Jan. 29.
Carburization of iron and steel. A. G. E. Hultgren. 2,584,019, Jan. 29.
Card shuffling aid. P. A. Napiecinski. 2,583,871, Jan. 29.
Carrier: *See*—
Foldable basket carrier.
Carton. A. B. Storey. 2,583,672–3, Jan. 29.
Carton, Lined dispensing. C. G. Klein. 2,583,856, Jan. 29.
Case having interengageable closures, Compartmented. J. G. Ramsey. 2,584,048, Jan. 29.

Casting ceramic articles. Method and apparatus for. J. M. Hendrickson. 2,583,842, Jan. 29.
Catalytic isomerization of isoheptanes to triptane. J. D. Kemp and A. E. Strickland. 2,583,739, Jan. 29.
Cathode-ray device. F. Gray and R. W. Sears. 2,583,562, Jan. 29.
Cellophane package sealing apparatus. C. A. Peterson. 2,583,705, Jan. 29.
Cement and making, Low water-loss. P. J. Lea and H. B. Fisher. 2,583,657, Jan. 29.
Cementitious coatings or paints and making. S. B. Avery. 2,583,985, Jan. 29.
Chain: *See*—
Antiskid chain.
Chain for automobiles, Antiskid. D. Bartoletti. 2,583,624, Jan. 29.
Chair: *See*—
Heated chair.
Checking cabinet door. F. D. Stackhouse, Jr. 2,584,059, Jan. 29.
Circuit: *See*—
Electric integrating circuit.
Frequency multiplier circuit.
Electronic marker circuit.
Timer circuit.
Circuits for automatic telephone systems, Pay station. C. E. Lomax and J. M. Wild. 2,583,783, Jan. 29.
Clamp: *See*—
Bone clamp.
Form clamp.
Dental clamp.
Paper clamp.
Clamp. L. W. Premo. 2,583,880, Jan. 29.
Clamping circuits. H. Goldberg. 2,583,832, Jan. 29.
Clasp. F. A. Ballou, Jr. and R. T. Stafford. 2,583,988, Jan. 29.
Cleaning and testing apparatus for beer dispensing systems. M. J. and J. M. Zwosta. 2,583,982, Jan. 29.
Clear aqueous solutions of oleaginous compositions. C. J. Kern, T. Antoshkiw, and M. R. Malese. 2,583,576, Jan. 29.
Clip for clothes racks. M. Maccaferri. 2,583,784, Jan. 29.
Clock, Twenty-four-hour alarm. H. D. Parks. 2,583,794, Jan. 29.
Clutch: *See*—
Fluid pressure actuated clutch.
Magnetic type one-way clutch.
Clutch lever assembly. R. C. Zeidler. 2,583,621, Jan. 29.
Coal fired combustion chamber with regenerator tubes on either side within the turbine exhaust duct. J. I. Yellott. 2,583,920, Jan. 29.
Collapsible and concealable reading rack. S. J. Stayboldt. 2,584,101, Jan. 29.
Collapsible box. J. E. Whitley. 2,583,915, Jan. 29.
Collapsible cabinet. L. Cummings. 2,583,931, Jan. 29.
Collet chuck for fishing pole handles. J. Goergen. 2,583,831, Jan. 29.
Color scope. C. A. Wendel. 2,583,676, Jan. 29.
Colostomy appliance. D. W. Walls. 2,583,718, Jan. 29.
Comb, Clamp. J. E. Shrosbree. 2,583,893, Jan. 29.
Combination package. N. T. Naranick. 2,584,040, Jan. 29
Comminuting food products. J. L. Hendry, Jr. and R. R. Pederson. 2,583,697, Jan. 29.
Complex soap greases. A. F. Sirianni and I. E. Puddington. 2,583,607, Jan. 29.
Composition of matter, Production of a new. S. H. Herzfeld and M. Kleiman. 2,583,569, Jan. 29
Compressor pump. J. R. Mangan. 2,583,583, Jan. 29.
Concrete beam form, Collapsible. T. Sato. 2,583,670, Jan. 29
Condensation of zinc from its vapor in gaseous mixtures. S. Robson. 2,583,668, Jan. 29.
Connector: *See*—
Faucet spout connector.
Connector circuit for code ringing, Party line. C. E. Lomax. 2,583,782, Jan. 29.
Constant temperature cabinet. W. Van Guilder. 2,583,906, Jan. 29.
Constant velocity universal joint. N. Trbojevich. 2,584,097, Jan. 29.
Container: *See*—
Tubular container.
Container. J. C. Fioretti. 2,584,008, Jan. 29.
Container for asphalt and the like. P. Santina. 2,583,669, Jan. 29.
Container having an electrically vibrated screen, Dispensing. H. A. Lichtenstein. 2,583,862, Jan. 29.
Continuous-type spaghetti drier. C. Hummel. 2,583,847, Jan. 29.
Control means for chain shifting change-speed gears for cycles. J. P. Souhart. 2,583,609, Jan. 29.
Control mechanism for change-speed gearing on motor vehicles. A. C. A. Squire. 2,584,058, Jan. 29.
Control system. H. E. Wurzbach. 2,584,076, Jan. 29.
Convertible table. M. A. Boyes and J. E. Coates. 2,583,811, Jan. 29.
Conveyer, Chain. A. G. Rose. 2,583,708, Jan. 29.
Conveyer, particularly for heating furnaces. R. E. Buckholdt. 2,583,764, Jan. 29.
Cooking device. M. B. Stilphen. 2,584,061, Jan. 29.
Coring tool. W. A. Kingsbury. 2,583,577, Jan. 29.
Corner guide and line supporting device for masonry constructions. R. A. Baumer. 2,583,990, Jan. 29.
Coupling: *See*—
Draft coupling.
Coupling structure. R. M. Lindsay and C. Randazzo. 2,583,956, Jan. 29.
Crystal contacts of which one element is silicon. F. H. Brittain, C. E. Ransley, and J. W. Ryde. 2,583,681, Jan. 29.
Cuff attachment for trouser legs. H. G. Lewallen. 2,583,861, Jan. 29.
Cultivator, Automatic vineyard. R. W. Smeds. 2,583,897, Jan. 29.
Cup decorating machine. J. H. Keller and R. Riley. 2,584,092, Jan. 29.
Cup, Measuring. R. Bernhardt. 2,583,808, Jan. 29.
Cup, saucer, and cream jug. G. Kliegel. 2,583,951, Jan. 29.
Curler, Hair. S. Solop. 2,583,715, Jan. 29.
Curtain construction. A. Halpern. 2,583,529, Jan. 29.
Cushion, Bunion. N. W. Keagy. 2,583,652, Jan. 29.
Cyclone dust collector. H. Held and J. Welts. 2,583,696, Jan. 29.
Cyclopentanopolyhydrophenanthrene derivatives. M. R. Ehrenstein. 2,584,001, Jan. 29.
Cylinder for rotary multicolor printing, Expansible printing. P. J. Schoonenberg. 2,583,889, Jan. 29.
Deenameling process. A. M. Lander. 2,584,031, Jan. 29.
Dehydration unit. S. W. Briggs, W. C. Bauer, and W. J. Ewbank. 2,583,812, Jan. 29.
Dental clamp. L. M. Taylor. 2,583,903, Jan. 29.
Derrick, Portable. J. Moon. 2,583,958, Jan. 29.
Destroying patterns. J. N. Hiensch. 2,583,533, Jan. 29.
Determining the time of run of power-driven models. H. J. Taplin. 2,583,717, Jan. 29.
Device for detecting variations in fluid pressure. T. M. Gordon, Jr. 2,583,941, Jan. 29.
Device for feeding closure caps to containers. E. H. Lyon. 2,583,700, Jan. 29.
Dial structure. E. F. Rosfelder. 2,583,797, Jan. 29.
Diathermy electrode. F. W. Kazdin. 2,583,853, Jan. 29.
Differential manometer. A. Whitaker. 2,583,914, Jan. 29.
Differential refractometer. R. F. Stamm, T. Mariner, R. B. Barnes, and C. R. Stryker. 2,583,973, Jan. 29.
Diffusion. F. A. Schwertz. 2,583,601, Jan. 29.
Diplex antenna feed system. M. E. Hiehle. 2,583,773, Jan. 29.
Dipping form. D. P. Reynolds. 2,583,593, Jan. 29.
Discharge apparatus for slurry and muddy materials, Adjustable. A. France. 2,583,768, Jan. 29.
Discharging static electricity from airplane radio antennas. W. H. Bennett. 2,583,540, Jan. 29.
Dispenser: *See*—
Artist's color dispenser.
Wall bracket supported Gummed tape dispenser.
liquid soap dispenser.
Liquid soap dispenser.
Display device. J. H. Beyer. 2,583,926, Jan. 29.
Distributor contact point gauge. J. C. Fisk. 2,583,936, Jan. 29
Distributor for dust and aggregate. R. K. Smith. 2,583,608, Jan. 29.
Disulfide compounds. A. H. Land. 2,584,081, Jan. 29.
Door: *See*—
Adjustable door.
Checking cabinet door.
Doorcase. L. Peters. 2,584,045, Jan. 29.
Door lock. W. Floyd. 2,584,088, Jan. 29.
Door mat for automobiles, Automatic. J. L. Shuck. 2,583,894, Jan. 29.
Draft coupling. R. E. Hawkins and G. E. Spaulding. 2,583,840, Jan. 29.
Drain cleaning device. R. R. Fulton. 2,583,694, Jan. 29.
Drier: *See*—
Continuous-type spaghetti drier.
Drier. W. L. Kauffman, II. 2,583,850, Jan. 29.
Dry seal pressure type gasholder. J. H. Wiggins. 2,583,981, Jan. 29.
Dust collector. J. W. Rasmussen. 2,583,881, Jan. 29.
Dust collector for cargo loading and trimming device. R. J. McGrath. 2,584,037, Jan. 29.
Dusting and spraying machine, Combination. B. M. Gaddis. 2,583,560, Jan. 29.
Electric control for hangar telescopic canopy doors. F. D. Noble. 2,583,662, Jan. 29.
Electric current generator. F. O'Connor. 2,583,589, Jan. 29.
Electric flasher switch. J. G. Mejean. 2,583,789, Jan. 29.
Electric integrating circuit. F. R. Milsom. 2,583,587, Jan. 29.
Electric planer, Portable. W. F. Draper. 2,583,637, Jan. 29.
Electric space heater. J. Gaudette. 2,583,526, Jan. 29.
Electrical apparatus. J. D. Kraus. 2,583,953, Jan. 29.
Electrical connecting terminal strap. S. S. S. Hasselbohm. 2,583,530, Jan. 29.
Electrical control system. G. E. Undy. 2,583,755, Jan. 29.
Electrochemical process. L. H. Smith. 2,583,899, Jan. 29.
Electrolytic process of preparing selenic acid from selenious acid. J. H. Schloen and L. V. Franchetto. 2,583,799, Jan. 29.
Electronic air flow indicator. J. General and M. A. Bennett. 2,583,561, Jan. 29.
Electronic comparator. J. J. Neff. 2,583,791, Jan. 29.
Electronic contactor. R. E. Fischer. 2,584,007, Jan. 29.
Electronic marker circuit. R. W. Lee. 2,584,034, Jan. 29.

Electrophotographic recording. C. F. Carlson. 2,583,546, Jan. 29.
Electrostatic apparatus for measuring voltages. J. L. Blayney. 2,583,763, Jan. 29.
Elevator bucket with suction barrier. W. H. Kelsey. 2,584,025, Jan. 29.
Engine: *See*—
Barrel engine.
Supercharged internal-combustion engine.
Radial engine.
Sliding abutment type rotary internal-combustion engine.
Engine control. H. A. Alexanderson and A. H. Le Febvre. 2,583,537, Jan. 29.
Esterification of polyene acids. C. D. Robeson. 2,583,594, Jan. 29.
Esters of thiophosphoric acid. G. Schrader and H. Kükenthal. 2,583,744, Jan. 29.
Explosive booster. H. R. Wright and R. W. Martyn. 2,583,802, Jan. 29.
Fabric: *See*—
Tubular knitted fabric.
Fan and heater, electric. J. P. Theisen. 2,583,754, Jan. 29.
Faucet spout connector. L. and H. Osrow. 2,584,044, Jan. 29.
Feed grinding and die expressing machine. A. B. Schreiber. 2,583,600, Jan. 29.
Feeding mechanism for folding machines. A. F. Shields. 2,583,713, Jan. 29.
Fermentation process. J. W. Foster and L. E. McDaniel. 2,584,009, Jan. 29.
Film rewind, Automatic. F. L. Waggoner. 2,583,675, Jan. 29.
Filter: *See*—
Rotary drum vacuum filter.
Filter. J. P. O'Mearn. 2,583,963, Jan. 29.
Fish food, Preparing. H. S. Otter. 2,583,964, Jan. 29.
Fishhook. K. V. Lysen. 2,583,863, Jan. 29.
Fish lure. C. W. Waddell. 2,583,616, Jan. 29.
Fish lure and manufacture. J. W. Harvey. 2,583,942, Jan. 29.
Fish separating machine. O. Anhanger. 2,583,762, Jan. 29.
Fishing rod and reel. I. B. Humphreys. 2,584,020, Jan. 29.
Fishing rod handle. W. C. Warth. 2,583,909, Jan. 29.
Flatiron support. P. M. Wallis, Jr. 2,584,071, Jan. 29.
Flow controlled water heater. A. J. Burklin. 2,583,814, Jan. 29.
Flower display package. I. W. Bianchi. 2,583,927, Jan. 29.
Flowmeter, Magnetic. R. A. Broding. 2,583,724, Jan. 29.
Fluid level responsive device. L. J. Kmiecik. 2,583,952, Jan. 29.
Fluid pressure actuated clutch. W. G. Wilson. 2,583,919, Jan. 29.
Flush valve. O. F. Culver. 2,583,999, Jan. 29.
Foldable basket carrier. I. A. Grimes. 2,583,644, Jan. 29.
Folding front section for trailer bodies. E. S. Grilley. 2,583,643, Jan. 29.
Folding machine. A. F. Shields. 2,583,712, Jan. 29.
Follow-up apparatus and system. R. Adler. 2,583,720, Jan. 29.
Food cutting apparatus. A. Rodel and K. E. Schukraft. 2,583,595, Jan. 29.
Foot traction hitch. J. R. Siebrandt. 2,583,895, Jan. 29.
Force amplifying nut. G. G. Hyde. 2,583,775, Jan. 29.
Forceps, Hysterectomy. M. Shellhouse. 2,583,892, Jan. 29.
Forehearth construction. M. M. Cannon, Jr. 2,583,629, Jan. 29.
Form clamp. H. P. Neptune. 2,583,962, Jan. 29.
Frameless screen and storm window top rail securing means. F. J. Burns. 2,583,627, Jan. 29.
Frequency modulated magnetic recording and reproducing. J. P. Arndt, Jr., and J. E. Shomer, Jr. 2,583,983, Jan. 29.
Frequency multiplier circuit. H. P. Thomas. 2,583,801, Jan. 29.
Friction shock absorber for railway car truck springs. G. E. Dath. 2,583,635, Jan. 29.
Frictional gear mechanism. S. J. Mikina. 2,583,790, Jan. 29.
Fuel pump cylinder and piston. C. E. Summers. 2,583,974, Jan. 29.
Fuel tank for captive model airplanes. H. E. Daebelliehn. 2,583,932, Jan. 29.
Furnace lift and translation mechanism. L. B. Rosseau. 2,583,967, Jan. 29.
Game piece, Pyramidal. P. T. Astle. 2,583,805, Jan. 29.
Garbage disposal apparatus. F. R. Chester. 2,583,997, Jan. 29.
Garment bagger, Home. C. R. Lendle. 2,584,035, Jan. 29.
Garment, Colostomy. L. G. Beede. 2,583,721, Jan. 29.
Garment hanger. J. J. Cavanagh. 2,583,996, Jan. 29.
Garment retainer. L. Peters. 2,584,046, Jan. 29.
Gas analyzer and smoke detector. P. E. Cotton. 2,583,930, Jan. 29.
Gas blanketed arc welding. F. J. Pilia. 2,583,665, Jan. 29.
Gas heater. F. O. Hess. 2,583,736, Jan. 29.
Gas turbine power plant, including planetary gearing between a compressor, turbine, and power consumer. P. P. Newcomb. 2,583,872, Jan. 29.
Gate valve. D. S. Mellett. 2,584,083, Jan. 29.
Gauge: *See*—
Adjustable ring gauge.
Distributor contact point gauge.
Gear for suspension cranes, Monorail running. A. Gräf. 2,583,833, Jan. 29.
Generator: *See*—
Electric current generator.
Glare shield support. N. G. Koppinger. 2,583,857, Jan. 29.
Glass and dish breakage protector for sinks. J. J. Meyer. 2,583,702, Jan. 29.
Glove. F. Tatar. 2,583,902, Jan. 29.
Grinder, Sickle. C. B. Webber. 2,583,758, Jan. 29.
Grinding wheel profile dressing device. N. Engelmann. 2,584,003, Jan. 29.
Gripping means for specimens in pulsating testing machines. M. Russenberger. 2,583,885, Jan. 29.
Grommet. H. A. White. 2,583,719, Jan. 29.
Guard rail for folding berths. E. E. Woller. 2,583,760, Jan. 29.
Gummed tape dispenser. C. R. Taylor. 2,584,065, Jan. 29.
Gun-sighting device. R. M. Burley. 2,583,815, Jan. 29.
Hand tool. J. E. Penkauskas. 2,583,876, Jan. 29.
Handle: *See*—
Fishing rod handle.
Handle bar mounting. W. A. Keetch. 2,583,947, Jan. 29.
Handling material. G. L. Turner. 2,583,977, Jan. 29.
Hanger: *See*—
Garment hanger.
Hanger. H. M. Habel. 2,583,563, Jan. 29.
Hardware insulator for vehicles. C. C. Talley. 2,583,901, Jan. 29.
Heated chair. G. F. Butler. 2,583,816, Jan. 29.
Heater: *See*—
Electric space heater.
Gas heater.
Flow controlled water heater.
Heterogeneous, acidic hydrolysis of polymeric esters with alkyl phosphoric acid esters. R. C. Blume. 2,583,991, Jan. 29.
High-pressure closure. O. E. Uecker. 2,584,100, Jan. 29.
Hinge, Adjustable. H. E. Kirschner. 2,583,950, Jan. 29.
Hoist controller. W. H. Elliot. 2,583,731, Jan. 29.
Hoisting drum. J. P. Harkrader. 2,584,099, Jan. 29.
Holder: *See*—
Tone arm holder.
Toothbrush and antiseptic holder.
Holder for ash trays and the like, Adjustable. A. Robins. 2,584,050, Jan. 29.
Hot-molded articles from wood sawdust, Production of. F. Weyerhaeuser. 2,583,618, Jan. 29.
Hurdle. S. J. Marzucco. 2,583,786, Jan. 29.
Hydraulic automatic selective transmission, including tilt plates. G. P. Lay. 2,583,656, Jan. 29.
Hydraulic brake safety device. A. J. Felt. 2,583,825, Jan. 29.
Hydraulic device. N. Habsch. 2,583,528, Jan. 29.
Hydraulic fluid composition. A. Wachter and N. Stillman. 2,584,086, Jnn. 29.
Hydraulic jack. E. K. Anschuetz. 2,583,923, Jan. 29.
Hydrazine hydrate, Production of. W. H. Marshall, Jr. 2,583,584–5, Jan. 29.
Icebox cooky cutter and method. D. B. Furlong. 2,583,940, Jan. 29.
Ignition control and alarm system. W. W. Smith. 2,583,752, Jan. 29.
Impact switch. J. F. Kendrick. 2,584,028, Jan. 29.
Impedance transformer. J. M. van Hofweegen and M. J. O. Strutt. 2,584,068, Jan. 29.
Indicator: *See*—
Electronic air flow indicator.
Micrometer depth indicator.
Indicator for garages, Warning. H. H. Grossenbach. 2,583,835, Jan. 29.
Inductance coil with ceramic form for high-frequency. H. G. Kehbel. 2,583,854, Jan. 29.
Ink fountain for printing presses, Sectional blade. H. W. Faeber. 2,583,640, Jan. 29.
Instrument and marker combined, Measuring. B. P. Boston. 2,583,679, Jan. 29.
Instrument, Control. D. B. Cox. 2,583,547, Jan. 29.
Instrument, Electrical musical. J. M. Hanert. 2,583,566, Jan. 29.
Iron holder or the like. M. Greenberg and C. S. Lefferdink. 2,584,011, Jan. 29.
Ironer, Reversible motor controlled portable. A. H. Davis. 2,583,685, Jan. 29.
Jack: *See*—
Hydraulic jack.
Tree felling jack.
Jewelry article. N. Barbieri. 2,584,087, Jan. 29.
Joint: *See*—
Constant velocity universal joint.
Jointed ladder for floating roofs. R. H. Pogue. 2,583,592, Jan. 29.

Key pouch. D. J. Nash and R. L. Hatfield. 2,583,961, Jan. 29.
Kit. K. C. Havens. 2,583,532, Jan. 29.
Labeling machine. N. Beck. 2,583,807, Jan. 29.
Lantern attachment. R. F. Wickman. 2,583,916, Jan. 29.
Lavatory and combined supporting bracket and towel rack therefor. K. G. Zummach. 2,583,922, Jan. 29.
Lawn mower. E. L. Boyce and H. Goldberg. 2,583,543, Jan. 29.
Leather splitting method and apparatus. G. R. Baumeister. 2,583,924, Jan. 29.
Less inflammable hydraulic fluid. J. C. Mosteller. 2,583,588, Jan. 29.
Light-diffusing shield for elongated tubular lamps. G. O. French and J. H. Du Roy. 2,583,939, Jan. 29.
Light sensitive silver halide photographic product for image transfer and process utilizing the same. E. H. Land. 2,584,030, Jan. 29.
Light with switch on headrest support, Dental chair. J. D. Chessrown. 2,583,817, Jan. 29.
Lighter, Cigarette. I. Florman. 2,583,691, Jan. 29.
Lighter, Gas controlled pocket. I. Florman. 2,583,692, Jan. 29.
Line reaming and boring machine. W. H. Evans. 2,584,005, Jan. 29.
Liquid lure ejecting device useful in fishing. M. Moore. 2,583,660, Jan. 29.
Liquid soap dispenser. W. J. Dobkin. 2,583,687, Jan. 29.
Loading device for bottle washers or the like. J. B. McCabe, H. A. Strelow, and R. W. Marty. 2,583,787 Jan. 29.
Lock: *See*—
Aircraft control lock. Rim tire lock.
Door lock.
Loose-leaf check and binder assembly. F. Kautzman and J. A. B. Peak. 2,583,852, Jan. 29.
Lubricant. F. H. Stross. 2,584,085, Jan. 29.
Lubricating grease. A. F. Sirianni and I. E. Puddington. 2,583,604, Jan. 29.
Lure holder for fishermen. F. Brennan. 2,583,680, Jan. 29.
Machine for folding cartons. D. Levkoff. 2,583,860, Jan. 29.
Machine for washing, dry cleaning, or garment dyeing. T. B. Walker. 2,584,070, Jan. 29.
Machine suspension. A. Lodge. 2,583,579, Jan. 29.
Machine vise having jaws movable downwardly when pressed against workpiece. V. O. Stone. 2,584,062, Jan. 29.
Magnetic oscillatory device. F. R. Kiler. 2,583,741, Jan. 29.
Magnetic type one-way clutch. H. K. Herrick. 2,583,843, Jan. 29.
Magnetron anode. R. B. Nelson. 2,583,793, Jan. 29.
Mailbox, Two compartment. C. J. Amo. 2,583,623, Jan 29.
Maintenance of serviceability of dry shavers. W. A. Yaeger. 2,584,077, Jan. 29.
Making flexible footwear. J. A. Rubico. 2,584,084, Jan. 29.
Making rigid foam composition. P. Macaluso. 2,584,082. Jan. 29.
Making rubber gloves and like articles. C. J. Crowley. 2,583,728, Jan. 29.
Making washer face nuts or the like. R. L. Wilcox. 2,583,677, Jan. 29.
Manufacturing rubber articles from sensitized latex. F. Chassaing. 2,583,683, Jan. 29.
Mass spectrometer. C. E. Berry. 2,583,541, Jan. 29.
Mat control for door opening mechanisms. J. P. Burke. 2,583,813, Jan. 29.
Mechanical pargeting apparatus. M. Daignas. 2,583,767, Jan. 29.
Metal coating. H. S. Lukens. 2,583,581, Jan. 29.
Metallic carbides used as microphone resistance granules. E. A. Ericsson and A. O. Jörgensen. 2,583,732, Jan. 29.
Metallized ortho-hydroxy, ortho amino monoazo dyestuffs. H. H. Bestehorn and J. F. Morgan. 2,583,925, Jan. 29.
Metering spray applicator. J. H. Du Bois. 2,583,821, Jan. 29.
Methine dyestuffs. J. B. Dickey and G. J. Taylor. 2,583,551, Jan. 29.
Method of and tool for crimping tubes. M. D. Bergan. 2,583,625, Jan. 29.
Micrometer depth indicator. J. F. Foxx. 2,583,693, Jan. 29.
Milk receiving and discharging unit. G. W. Berry. 2,583,723, Jan. 29.
Mill: *See*—
Automatic twin bar-bridge bench piercer mill.
Mirror holder device, Body supported. M. A. Amer. 2,583,803, Jan. 29.
Mixer: *See*—
Motor control circuit mixer.
Modulation. B. Salzberg. 2,583,598, Jan. 29.
Mold. A. H. Buell. 2,583,626, Jan. 29.
Molding machine, Concrete block. A. Ryner. 2,583,597, Jan. 29.
Motor control circuit mixer. R. S. Edwards. 2,583,552, Jan. 29.
Motor support. J. I. Gleekman. 2,583,695, Jan. 29.
Motor vehicle road map support. W. T. Haynes. 2,583,647, Jan. 29.
Motor winding. O. E. Andrus. 2,583,804, Jan. 29.
Mounting: *See*—
Handle bar mounting. Resilient mounting.
Mounting chassis for electrical and electronic circuit elements. A. E. Miller. 2,583,586, Jan. 29.
Multiple element vortical whirl ash separator. J. I. Yellott. 2,583,921, Jan. 29.
Nest, Hen's. L. R. Shaffer. 2,584,054, Jan. 29.
Net, Collapsible minnow. W. K. Balsor. 2,583,987, Jan. 29.
Neutron well logging. J. M. Thayer, G. Swift, and R. E. Fearon. 2,583,904, Jan. 29.
Neutron well logging. J. M. Thayer, G. Swift, and R. E. Fearon. 2,583,976, Jan. 29.
Nitriles, Production of. P. Arthur, Jr. 2,583,984, Jan. 29.
Nozzle. J. A. Chalom. 2,583,726, Jan. 29.
Nozzle for rocket motors. C. N. Hickman. 2,583,570, Jan. 29.
Octaglycine dihydroheptiodide and making the same. W. S. Frost. 2,583,558, Jan. 29.
Oil burner nozzle, Vernier-type. N. F. Martin. 2,583,659, Jan. 29.
Oil-soluble metal soaps, Preparing. M. Nowak and A. Fischer. 2,584,041, Jan. 29.
Opener, Can. E. D. Hallock and P. E. Whittington. 2,583,565, Jan. 29.
Opener, Can. J. O. Reinecke. 2,584,049, Jan. 29.
Opener, Can. T. Schmidt. 2,583,969, Jan. 29.
Optical system for path-length multiplication in interferometers. E. Root, III. 2,583,596, Jan. 29.
Oscillator, Modified Wien-bridge. W. R. Hewlett. 2,583,649, Jan. 29.
Oscillator, Modified Wien-bridge. W. R. Hewlett. 2,583,943, Jan. 29.
Oscillator power supply apparatus. O. Weitmann. 2,583,979, Jan. 29.
Oscillator, Thermionic valve. B. M. Hadfield. 2,583,837, Jan. 29.
Oscillator, Vibratory reed-controlled. L. G. Bostwick. 2,583,542, Jan. 29.
Outboard motor thrust and tilt lock adjustment. L. D. Watkins. 2,583,910, Jan. 29.
Paint, Antifouling marine. J. S. Cameron. 2,583,545, Jan. 29.
Pallet adapter unit for block molding machines. J. W. Cihlar. 2,583,818, Jan. 29.
Pan, Bread. R. L. Nafziger. 2,583,870, Jan. 29.
Paper clamp. A. G. Hanson. 2,583,567, Jan. 29.
Parachute pack and container. C. E. Thompson. 2,583,905, Jan. 29.
Passenger accommodations for railway cars and similar vehicles. G. K. Murphy. 2,583,960, Jan. 29.
Pencil sharpener. F. Swinehart. 2,584,064, Jan. 29.
Pentaerythrityl phosphates, Preparation of. G. C. Daul and J. D. Reid. 2,583,549, Jan. 29.
Photoelectric recording device. H. W. Hoffman and G. H. Helmer. 2,583,737, Jan. 29.
Photographic silver transfer product and process, including a lead salt. E. H. Land. 2,584,029, Jan. 29.
Pie-pan support. P. Schneeweiss. 2,583,887, Jan. 29.
Pigmented cellulosic pulp, Production of. W. L. Craig. 2,583,548, Jan. 29.
Pipe: *See*—
Silo filler pipe. Tobacco pipe.
Pipe coating and wrapping machine. J. D. Cummings. 2,583,819, Jan. 29.
Pipe or hose conduit with heating means. E. A. A. Axelson. 2,583,761, Jan. 29.
Piston ring assembly. G. W. Marvin. 2,583,957, Jan. 29.
Piston ring gapping machine. G. L. Sundberg and C. A. Marien. 2,583,612 Jan. 29.
Pitch propeller, Controllable. E. M. Hughes. 2,584,018, Jan. 29.
Planetary gear arrangement. G. Fleischel. 2,583,556, Jan. 29.
Platen support and feed roll mechanism. W. A. Dobson. 2,583,636, Jan. 29.
Polishing wheel. J. F. Coultier and I. J. Lupu. 2,583,632, Jan. 29.
Poultry feeding device. C. L. Niemann. 2,583,874, Jan. 29.
Poultry shackling device. M. A. Welterschan. 2,583,913, Jan. 29.
Powder conveying method and apparatus. G. P. Hensley and D. O. Johnson. 2,583,648, Jan. 29.
Power cutter for vines, strawberry runners, and the like. A. S. Howe. 2,583,571, Jan. 29.
Power factor and phase rotation hook on meter. R. M. Rowell and A. L. Nylander. 2,583,798, Jan. 29.
Preparing stable aerated wax compositions and articles. A. French. 2,583,938, Jan. 29.
Prevention of foaming in steam generation. L. O. Gunderson. 2,583,771, Jan. 29.
Processing filamentary materials, Method and apparatus for. L. A. Oberly. 2,584,043, Jan. 29.
Producing thiosemicarbazones. E. Goth and W. Salzer. 2,583,770, Jan. 29.
Projection apparatus with optical compensator for multiple objects. R. E. Wilson. 2,584,075, Jan. 29.

Protector for bedridden patients, Sanitary. M. E. C. Faure. 2,583,553, Jan. 29.
Pull-out mechanism. J. Leszak and H. F. Zimmerman. 2,583,859, Jan. 29.
Pump: *See*—
Compressor pump.
Pump. C. F. Huber. 2,583,572, Jan. 29.
Punch for forming holes in cans. J. F. Phillips. 2,584,047, Jan. 29.
Punching and reinforcing device. B. Hirszson and J. A. Paparelli. 2,583,944, Jan. 29.
Purifying diphtheria toxoids. R. B. Pennell and P. Masucci. 2,584,093, Jan. 29.
Pusher mechanism. L. B. Rosseau. 2,583,968, Jan. 29.
Quantitative determination of metals. G. Schwarzenbach. 2,583,890–1, Jan. 29.
Rack: *See*—
Collapsible and concealable reading rack.
Rack for automobiles, Garment carrying. J. H. Batzle. 2,583,806, Jan. 29.
Radial engine. D. I. Bohn. 2,584,098, Jan. 29.
Radio receiving system. E. T. Jaynes. 2,583,573, Jan. 29.
Raney catalyst surface, Preparation of a. P. C. White. 2,583,619, Jan. 29.
Ratchet control mechanism. G. M. Walraven and R. G. Knudsen. 2,583,617, Jan. 29.
Ratchet mechanism, Reversible. C. I. Burdick. 2,583,544, Jan. 29.
Receptacle: *See*—
Tobacco ash receptacle.
Recovery of vanadium-free chromate. T. S. Perrin and J. N. Jenkins. 2,583,591, Jan. 29.
Reel for supporting wire coils. J. W. Pratt. 2,583,667, Jan. 29.
Refrigeration machine, Absorption. A. A. Berestneff. 2,583,722, Jan. 29.
Relief valve. S. R. Oldham, J. A. Hoffman, and W. J. Jacobsson. 2,583,664, Jan. 29.
Removing paint. H. O. Jones. 2,583,779, Jan. 29.
Reproducing apparatus. W. R. Jacobson. 2,583,778, Jan. 29.
Reproduction machine of the pantograph type. G. M. Keczeli. 2,583,653, Jan. 29.
Resilient mounting. W. A. Keetch. 2,583,948, Jan. 29.
Resistance welded dome nut. A. T. A. Mocium. 2,583,868, Jan. 29.
Reverberation control of gain. J. L. Hathaway. 2,583,531, Jan. 29.
Rim tire lock. A. Bloechl. 2,583,809, Jan. 29.
Rolling mill drive. L. W. Falk. 2,583,935, Jan. 29.
Rotary drum vacuum filter. T. R. Komline. 2,583,698, Jan. 29.
Rotary ductor for printing presses. H. W. Faeber and O. V. and L. Dutro. 2,583,639, Jan. 29.
Rotary pump and motor differential hydraulic transmission, K. H. Nicholls and A. G. Rose. 2,583,704, Jan. 29.
Rotor for axial flow elastic fluid compressors or turbines. F. E. O. Östmar. 2,583,875, Jan. 29.
Safety closure. M. Watter and J. C. Lyon. 2,583,978, Jan. 29.
Safety dog for elevators and mine cages. G. Vaydo. 2,583,907, Jan. 29.
Screen: *See*—
Shaded screen.
Sealing element. H. Nichols. 2,583,873, Jan. 29.
Seaming machine, Electronic. W. C. Rykert. 2,583,709, Jan. 29.
Separation of α-methyl naphthalene from β-methyl naphthalene by azeotropic distillation. J. Feldman and M. Orchin. 2,583,554, Jan. 29.
Separation of a Schiff's base from the condensation product of a primary amine with a carbonyl compound. R. M. Dennesly. 2,583,729, Jan. 29.
Separation of organic compounds. J. M. Wrightson. 2,583,620, Jan. 29.
Sequence control mechanism. R. C. Smith. 2,584,055, Jan. 29.
Sewing machine. A. Hagquist. 2,584,013, Jan. 29.
Sewing machine. R. A. Hayes. 2,583,735, Jan. 29.
Sewing machine, Lock stitch. C. R. Backlin. 2,583,538, Jan. 29.
Shaded screen. W. G. Dwinell and J. H. Orth. 2,583,824, Jan. 29.
Shaft seal. O. Jacobsen. 2,583,777, Jan. 29.
Shaft seal. W. W. Meyer. 2,583,867, Jan. 29.
Shaft seal, Vertical. C. H. Schmitter. 2,583,671, Jan. 29.
Sheet assembling and folding machine. E. W. Peterson. 2,583,746, Jan. 29.
Shelf, Window sill. C. A. Hart. 2,583,838, Jan. 29.
Shirring machine, Automatic. P. H. Korsgaard. 2,583,654, Jan. 29.
Shoe with interchangeable panel inserts. M. A. Fischer. 2,583,826, Jan. 29.
Shutter release. O. C. Turner. 2,584,067, Jan. 29.
Shuttle. A. Roelandts. 2,583,796, Jan. 29.
Signaling system, Electric. J. G. Gordon-Wright. 2,583,642, Jan. 29.
Silica base lubricating grease. A. F. Sirianni and I. E. Puddington. 2,583,605, Jan. 29.
Silica base lubricating greases. A. F. Sirianni and I. E. Puddington. 2,583,606, Jan. 29.
Silo filler pipe. F. A. Gruetjen. 2,583,836, Jan. 29.
Simmer control for a valve for a gaseous fuel. E. H. Mueller. 2,583,959, Jan. 29.
Sliding abutment type rotary internal-combustion engine. J. Cronin. 2,583,633, Jan. 29.
Snap switch. E. C. Wahlberg. 2,583,756, Jan. 29.
Speed drive for sound transcription mechanism, Selectable. S. Simonson. 2,583,972, Jan. 29.
Spool and fastening means therefor. R. W. Elder. 2,583,933, Jan. 29.
Spray gun nozzle assembly. I. S. Prescott. 2,583,706, Jan. 29.
Sprayer, Orchard. W. M. Spreng and W. H. Zehner. 2,583,753, Jan. 29.
Stabilization of soybean oils with P-toluene sulfonic acid. A. W. Schwab, C. D. Evans, and J. C. Cowan. 2,583,602, Jan. 29.
Stabilizing polydiolefin sulfones. J. M. Goppel and G. E. Rumscheidt. 2,583,527, Jan. 29.
Stable, solid, water-soluble, surface-active compositions containing urea and a quaternary ammonium compound, Preparation of. E. C. Soule and W. H. Sheltmire. 2,584,056–7, Jan. 29.
Station wagon or the like. A. R. Lindsay. 2,583,781, Jan. 29.
Steel sheet pile threader. H. F. Caudill. 2,583,928, Jan. 29.
Stencil. C. O. Dicks. 2,583,820, Jan. 29.
Steroid 6-acetic acids. E. Kaiser and J. Svarz. 2,584,091, Jan. 29.
Stocking construction. S. Reinstein. 2,583,748, Jan. 29.
Stop motion for twisting and winding machines. P. J. Thomas. 2,584,096, Jan. 29.
Storage tank. J. W. Allen. 2,583,536, Jan. 29.
Streptomycin glucuronate. G. W. Mast. 2,583,534 Jan. 29.
Submarine anchorage. J. M. Page, Jr., and V. Voorhees. 2,583,965, Jan. 29.
Substituted thickener lubricating grease. A. F. Sirianni and I. E. Puddington. 2,583,603, Jan. 29.
Suction end-catcher in ring spinning and twisting machines. C. Just. 2,583,849, Jan. 29.
Suit, bathing. E. McIlhinney. 2,583,865, Jan. 29.
Sunshade and other auxiliary spectacles. W. C. Ehlert and F. J. Schneider, Jr. 2,584,000, Jan. 29.
Supercharged inter-combustion engine. H. R. Ricardo. 2,583,882, Jan. 29.
Supplemental air supply mechanism for automotive engines. F. M. Laserson. 2,584,033, Jan. 29.
Support: *See*—
Bicycle basket support. Motor support.
Boiler and furnace wall support. Motor vehicle road map support.
Flatiron support. Plepan support.
Glare shield support.
Surface pipe bracing and centering means. A. B. Johnson. 2,584,022, Jan. 29.
Surgical exploring and operating device.—R. Fossati. 2,583,937, Jan. 29.
Sweatband for hats, Waterproof. R. J. Sailer. 2,584,094, Jan. 29.
Switch: *See*—
Electric flasher switch. Snap switch.
Impact switch. Thermostatic switch.
Switch construction for suction cleaner appliances. K. A. Kendrick. 2,583,949, Jan. 29.
Switch for induction motors, Centrifugal. E. J. Osterhus. 2,583,590, Jan. 29.
Switch for use in defrosting systems. D. Morrison. 2,583,661, Jan. 29.
Switching device for the setting of crossbar switches by means of markers. K. G. Johnson. 2,583,848, Jan. 29.
Switching system, Electronic. F. Schwen. 2,583,711, Jan. 29.
Synthesis of hydrocarbons in the presence of a solid adsorbent. F. W. Sullivan, Jr. 2,583,611, Jan. 29.
Syringe, Hypodermic. M. L. Lockhart. 2,583,743, Jan. 29.
Table: *See*—
Convertible table.
Tank: *See*—
Storage tank.
Taximeter. C. A. Rhoads and J. A. Hubbard. 2,583,966, Jan. 29.
Templet etching device. R. I. Lowndes, Jr. 2,583,578, Jan. 29.
Tension device. G. P. Lessmann. 2,583,780, Jan. 29.
Tetraglycine dihydroheptiodide and making the same. W. S. Frost. 2,583,559, Jan. 29.
Textile inspection apparatus. H. Tobler, Jr. 2,583,674, Jan. 29.
Thermoelectric gas valve. V. R. Pawelsky, L. V. McCarty, and C. E. Zarwell. 2,583,795, Jan. 29.
Thermostatic stack switch having magnetic clutch mechanism. F. B. Aubert. 2,584,079, Jan. 29.
Thermostatic switch. H. F. Hild. 2,584,016, Jan. 29.
Tie plate and light rail adapter therefor, Heavy-duty. L. Spencer. 2,583,610, Jan. 29.
Timer circuit. L. E. Nelson. 2,583,792, Jan. 29.
Tire, Resilient motor vehicle. J. T. A. Williams. 2,584,073, Jan. 29.
Tobacco ash receptacle. M. T. Dick. 2,583,730, Jan. 29.
Tobacco pipe. T. E. Spence. 2,583,900, Jan. 29.
Tone arm holder. F. J. Holik. 2,583,845, Jan. 29.

Tongue scraper. G. D. Runnels. 2,583,750, Jan. 29.
Tool: *See*—
Coring tool. Hand tool.
Tool for pulling clinch nuts, Hydraulic. H. R. Fischer and J. A. Roberts. 2,583,733, Jan. 29.
Toothbrush and antiseptic holder. R. A. Ober. 2,584,042, Jan. 29.
Toothbrush with demountably supported rotary brushes, Power-driven. A. J. Schlegel. 2,583,886, Jan. 29.
Toothcomb, Retractable. W. H. and D. M. Johnson. 2,584,023, Jan. 29.
Toy in the form of a pig, Wheeled sounding. W. V. Lichko. 2,583,658, Jan. 29.
Tractor, Garden. G. A. Hull. 2,583,846, Jan. 29.
Tractor lift disk harrow. W. E. Goble. 2,583,830, Jan. 29.
Trailer, Automobile transporting. L. M. Francis. 2,583,734, Jan. 29.
Translating apparatus and follow-up system. R. Adler. 2,583,535, Jan. 29.
Transmission. R. Lapsley. 2,584,032, Jan. 29.
Transmitting or receiving aerial for centimeter wave lengths. J. Collard. 2,583,766, Jan. 29.
Transplanter attachment. J. C. Griffin. 2,584,012, Jan. 29.
Tray holder for automobiles. W. D. Finger. 2,584,006, Jan. 29.
Treating a food plant product. J. De Ment, G. Lamont, and J. Polly. 2,583,686, Jan. 29.
Treating gluten-bearing starchy material. L. M. Christensen. 2,583,684, Jan. 29.
Tree felling jack. M. L. Jacobs. 2,583,945, Jan. 29.
Tripping mechanism for revolving rakes. R. C. Larsen 2,583,655, Jan. 29.
Trouser waistband construction. M. R. Bouteloup. 2,583,992, Jan. 29.
Truck for air cargo use, Power-driven. J. L. Foy. 2,583,557, Jan. 29.
Truck top. G. L. Harper. 2,584,014, Jan. 29.
Tube holding and dispensing device. H. J. Chehak. 2,583,631, Jan. 29.
Tubular container. C. E. Slaughter. 2,584,095, Jan. 29.
Tubular knitted fabric. J. G. Walter and S. Cohn. 2,583,757, Jan. 29.
Turntable construction. R. G. Kugler. 2,583,954, Jan. 29.
2,4,5-triamino-6-alkoxy pyrimidines and preparing same. E. A. Kaczka and K. Folkers. 2,584,024, Jan. 29.
Two-stage isomerization of N-heptane. J. D. Kemp. 2,583,740, Jan. 29.
Universal tractor and implement cab. W. C. Wilson. 2,583,918, Jan. 29.
Unloading apparatus for dump trucks. L. S. Wall. 2,584,069, Jan. 29.
Unsaturated diesters of hydrazodicarbonic acid and polymers thereof. L. N. Whitehill and W. M. McLamore. 2,583,980, Jan. 29.
Valve: *See*—
Adjustable fluid metering valve. Gate valve.
Flush valve. Relief valve.
Thermoelectric gas valve.
Valve. O. P. Monson. 2,583,869, Jan. 29.
Valve packing construction. N. Bashark and D. Grant. 2,583,539, Jan. 29.
Vapor phase electrochemical process. L. H. Smith. 2,583,898, Jan. 29.
Variable replex optical projection system for weighing scales. I. Feuer. 2,583,690, Jan. 29.
Vehicle wheel and attachment therefor. A. B. Darvill. 2,583,634, Jan. 29.
Ventilation of crankcases for internal-combustion engines. W. S. James. 2,584,090, Jan. 29.
Ventilator, Window. H. P. Fields and B. Kucinski. 2,583,555, Jan. 29.
Vertical bar and billet mill. W. J. Hill and C. C. Wales. 2,583,844, Jan. 29.
Vibrating arrangement for the separation of admixtures from molten metal baths. C. Hannen. 2,583,645, Jan. 29.
Vinyl phenol copolymers. E. M. Evans and J. E. S. Whitney. 2,583,638, Jan. 29.
Vitamin B_6 derivatives. D. H. Hoffman. 2,583,774, Jan. 29.
Waistband for use on garments. L. H. Edgard. 2,583,689, Jan. 29.
Wall bracket supported liquid soap dispenser. W. J. Dobkin. 2,583,688, Jan. 29.
Washing composition. V. Dvorkovitz and T. G. Hawley, Jr. 2,584,017, Jan. 29.
Washing machine transmission. G. W. Dunham. 2,583,823, Jan. 29.
Weather shield. S. B. Williams and C. O. Butler. 2,583,759, Jan. 29.
Web register control system. J. W. Ludwig. 2,583,580, Jan. 29.
Welding machine. E. Katz. 2,583,575, Jan. 29.
Wheel: *See*—
Polishing wheel.
Window, Convertible. H. A. Kaufmann. 2,583,851, Jan. 29.
Wiper blade for curved windshields and other surfaces. A. C. Scinta. 2,583,710, Jan. 29.
Wood pulp digestion. B. T. Briggs. 2,583,994, Jan. 29.
Wrap spring starter. S. Gilbert. 2,583,829, Jan. 29.
Wrapping strip. G. C. Wilkins. 2,584,074, Jan. 29.
Yarn furnishing mechanism. E. J. Helzer. 2,583,568, Jan. 29.
Zincilate impregnated fiber glass. I. Kenis. 2,583,855, Jan. 29.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 29, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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266— 15: 2,583,668

267—	9: 2,583,635	274—	38: 2,583,622	285—	90: 2,584,044	296—	137: 2,584,014	309—	3: 2,583,974	318—	266: 2,583,662
270—	45: 2,583,746	275—	2: 2,583,608	286—	8: 2,583,671	299—	37: 2,583,753		44: 2,583,957	322—	28: 2,583,755
271	2.1: 2,583,780	277—	59: 2,583,959		11: 2,583,867		38: 2,583,570	311—	3: 2,583,811	323—	18: 2,584,007
	2.6: 2,583,580	279—	54: 2,583,831		11.14: 2,583,777		63: 2,583,767	312—	196: 2,584,039	332—	40: 2,583,598
	44: 2,583,713	280—33.	15: 2,583,840	292—	34: 2,584,068		84: 2,583,687		213: 2,584,089	343—	5: 2,584,034
272—	59: 2,583,786		33: 2,583,644	296—	1: 2,583,734		90: 2,583,821		231: 2,583,532		8: 2,583,573
273—	147: 2,583,805		166: 2,583,894		28: 2,583,643		114: 2,583,703		262: 2,583,931	346—	38: 2,583,737
	149: 2,583,871	281—	19: 2,583,968		2,583,781		133: 2,583,659		274: 2,583,859		
274—	1: 2,583,845	282—	22: 2,583,699		44: 2,583,759	301—	47: 2,583,634	315—	39: 2,583,793		
	9: 2,583,954	285—	72: 2,583,956		102: 2,583,918	302—	3: 2,583,648	318—	215: 2,583,731		

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Des.165,747:	D44—1	2,583,566:	84—1.17	2,583,680:	43—43.1	2,583,806:	224—42.45	2,583,895:	128—84	2,583,964:	99—7
Des.165,762:	D44—1	2,583,611:	260—449	2,583,683:	18—47.5	2,583,809:	152—364	2,583,898:	204—168	2,584,007:	323—18
Des.165,775:	D86—10	2,583,625:	140—121	2,583,688:	222—153	2,583,820:	101—128.1	2,583,899:	204—155	2,584,041:	260—97.5
2,583,527:	117—138.8	2,583,637:	145—5	2,583,697:	99—23	2,583,823:	68—23	2,583,913:	17—1	2,584,043:	8—149.2
2,583,537:	123—103	2,583,639:	101—352	2,583,708:	198—135	2,583,827:	222—457	2,583,917:	90—60	2,584,049:	30—9
2,583,543:	56—254	2,583,645:	239—114	2,583,710:	15—245	2,583,847:	107—14	2,583,927:	206—45.19	2,584,061:	99—422
2,583,550:	224—32	2,583,648:	302—3	2,583,731:	318—215	2,583,853:	128—404	2,583,932:	137—21	2,584,073:	152—329
2,583,556:	74—785	2,583,654:	17—42	2,583,755:	322—28	2,583,854:	178—44	2,583,942:	43—42.26	2,584,074:	206—58
2,583,560:	299—38	2,583,660:	43—25	2,583,767:	299—63	2,583,870:	107—19	2,583,945:	254—108	2,584,087:	63—1
2,583,563:	211—32	2,583,668:	266—15	2,583,800:	192—.02	2,583,874:	119—61	2,583,956:	285—72	2,584,088:	292—34
										2,584,095:	229—5.8

CLASSIFICATION OF DESIGNS

D 3—17:	Des. 165,812	D31— 4:	Des. 165,754	D40— 1:	Des. 165,810	D47— 7:	Des. 165,793	D52— 3:	Des. 165,809	D80—11:	Des. 165,798
26:	Des. 165,803	D33—14:	Des. 165,777	D44— 1:	Des. 165,747		Des. 165,794	D56— 1:	Des. 165,789	D81— 1:	Des. 165,772
D 5— 4:	Des. 165,763	19:	Des. 165,745		Des. 165,762		Des. 165,795	4:	Des. 165,731		Des. 165,780
D 9— 2:	Des. 165,753		Des. 165,746	9:	Des. 165,782		Des. 165,796	D58— 6:	Des. 165,805	4:	Des. 165,742
D14— 3:	Des. 165,758		Des. 165,787	10:	Des. 165,744		Des. 165,800	12.6:	Des. 165,766	25:	Des. 165,767
	Des. 165,804	D34— 5:	Des. 165,739	15:	Des. 165,741		Des. 165,801	26:	Des. 165,734	D85— 2:	Des. 165,781
6:	Des. 165,760		Des. 165,740	22:	Des. 165,808	D48— 4:	Des. 165,785		Des. 165,773	D86—10:	Des. 165,775
14:	Des. 165,730	13:	Des. 165,774		Des. 165,813	20:	Des. 165,806	D61— 1:	Des. 165,783	D87— 3:	Des. 165,736
30:	Des. 165,737		Des. 165,799	29:	Des. 165,811	23:	Des. 165,738		Des. 165,784		Des. 165,761
D15— 1:	Des. 165,733	15:	Des. 165,752	D45— 4:	Des. 165,779	D49— 6:	Des. 165,757		Des. 165,786		Des. 165,770
	Des. 165,788	D36— 8:	Des. 165,755	D47— 7:	Des. 165,748	D52— 1:	Des. 165,743	D62— 4:	Des. 165,750		Des. 165,771
8:	Des. 165,776		Des. 165,778		Des. 165,749	3:	Des. 165,751	D71— 1:	Des. 165,735	D91— 1:	Des. 165,756
D29— 1:	Des. 165,732	D39— 1:	Des. 165,764		Des. 165,768		Des. 165,760	D80— 5:	Des. 165,807	D92— 1:	Des. 165,769
17:	Des. 165,759		Des. 165,765		Des. 165,792		Des. 165,802	11:	Des. 165,797		Des. 165,791

U. S. GOVERNMENT PRINTING OFFICE : O—1952

Condition of Applications Under Examination at Close of Business January 11, 1952

Total number of patent applications awaiting action, 105,455. Date of oldest new application, March 12, 1951; date of oldest amended application, March 12, 1951..

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	3-13-51	3-15-51	2,203
2. HERRMAN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	6-9-51	6-15-51	1,153
3. MARMELSTEIN, N. Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	6-1-51	5-26-51	1,584
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	3-20-51	3-20-51	1,959
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	5-29-51	5-28-51	1,247
6. SURLE, H., Carbon Chemistry (part)	4-24-51	4-18-51	1,999
7. GONSALVES, J. E., Optics; Photography (part)	5-2-51	5-2-51	1,275
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	4-3-51	3-31-51	1,822
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	3-21-51	3-19-51	1,564
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	3-22-51	3-17-51	1,154
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	4-5-51	4-11-51	1,052
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	5-2-51	4-5-51	1,097
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	3-23-51	3-29-51	1,283
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	3-29-51	3-26-51	1,638
16. LOVEWELL, N. N., Television, Telephony	5-25-51	5-23-51	1,222
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	3-16-51	3-15-51	1,276
18. KURZ, J. A., Power Plants; Speed Responsive Devices	3-22-51	3-23-51	1,913
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	3-20-51	3-12-51	1,515
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	4-3-51	3-29-51	1,148
21. MADER, R. C., Textiles	4-12-51	4-13-51	1,423
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	3-20-51	3-21-51	1,428
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	3-22-51	3-21-51	1,271
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	3-12-51	3-12-51	858
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	5-17-51	5-14-51	1,612
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	5-4-51	5-3-51	1,284
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	3-27-51	3-27-51	1,222
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	3-26-51	3-26-51	1,788
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	3-21-51	3-22-51	1,480
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	4-9-51	4-4-51	1,483
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-12-51	5-12-51	1,578
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	5-1-51	4-20-51	2,049
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-20-51	4-17-51	1,299
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	4-3-51	4-2-51	2,160
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	4-18-51	4-14-51	1,343
36. McFADYEN, A. D., Measuring and Testing	3-15-51	3-15-51	1,589
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	3-13-51	3-13-51	1,406
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	5-4-51	5-1-51	1,229
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	4-3-51	3-28-51	1,500
40. DRUMMOND, E. J., Receptacles (part); Packages	5-1-51	5-1-51	2,211
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	4-11-51	4-11-51	2,536
	3-23-51	3-21-51	1,218

*Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 105,455. Date of oldest new application, March 12, 1951; date of oldest amended application, March 12, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	4-10-51	4-7-51	1,311
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	5-9-51	5-7-51	1,229
44. HARVEY, L. P., Beds; Chairs, Seats	4-11-51	4-7-51	1,456
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	3-26-51	3-26-51	1,493
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	4-17-51	4-18-51	939
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	4-12-51	4-7-51	1,451
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	4-4-51	4-11-51	1,517
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring.	3-16-51	3-16-51	1,641
50. LEVIN, S., Synthetic Resins	6-19-51	6-19-51	1,640
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	3-21-51	3-22-51	1,100
52. WHITNEY, F. L., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	3-21-51	3-21-51	2,164
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	4-26-51	4-14-51	1,117
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-10-51	4-2-51	1,713
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	5-4-51	5-1-51	1,173
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	4-27-51	4-24-51	1,764
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	4-12-51	4-17-51	1,874
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	4-7-51	4-9-51	1,242
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	4-21-51	4-9-51	1,178
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-6-51	4-6-51	1,084
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-30-51	3-31-51	1,314
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	5-1-51	4-14-51	1,395
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	4-20-51	4-11-51	1,752
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	6-7-51	6-6-51	1,791
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	4-21-51	4-19-51	1,391
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	3-27-51	3-12-51	1,097
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	4-25-51	4-16-51	1,232
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	3-22-51	3-23-51	1,776
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	3-30-51	4-2-51	1,331
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	3-16-51	3-15-51	1,560
DESIGNS: A. BREHM, G. L., Industrial Arts	8-17-51	9-21-51	968
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	8-14-51	8-29-51	691

Total number of trade-mark applications awaiting action (including renewals and republications), 15,928. Date of oldest new application, June 17, 1951; date of oldest amended application, June 17, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	6-17-51	6-17-51	5,029
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	7-19-51	7-19-51	3,158
Renewals (All Classes)	11-2-51	12-6-51	570
Republications (All Classes)	11-22-51	12-6-51	227
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	6-29-51	6-29-51	3,901
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	7-16-51	7-7-51	3,043

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,824,078, T. C. Fischer, Device for removing carbon monoxide from exhaust gases; 2,308,509, J. R. Hartman, Match-book construction, D. C., E. D. N. Y. (Brooklyn), Doc. 6719, *A. W. Fischer* v. *Decker Products Co.* Consent decree dimissing action with prejudice Dec. 11, 1951.

2,010,730, A. H. Lloyd, Centreless grinding machine, D. C., S. D. N. Y., Doc. 35/75, *Landis Machine Co. et al.* v. *Parker-Kalon Corp.* Consent judgment, patent held infringed Dec. 26, 1951.

2,191,857, W. J. Miller, Method and apparatus for manufacturing pottery ware, D. C., W. D. Pa., Doc. 9238, *Ram, Inc.* v. *Miller Pottery Engineering Co. et al.* Consent decree favor defendants May 31, 1951.

2,247,796, H. S. Ackerman, Heating boiler, D. C., W. D. Pa. (Pittsburgh), Doc. 9020, *C. H. Hook* v. *Hook & Ackerman, Inc.* Case remanded to Court of Common Pleas Apr. 25, 1951.

2,308,509. (See 1,824,078.) 2,308,541. (See 2,310,468.)

2,310,468, F. Short, Ice making apparatus and method, 2,308,541, F. M. Raver, Refrigeration, filed Nov. 30, 1950, D. C., N. D. Calif. (San Francisco), Doc. 31060, *Flakice Corp. et al.* v. *Liquid Freeze Corp.*

2,324,292, A. J. Dremel, Hand sander, D. C., E. D. Mich. (Detroit), Doc. 8681, *Dremel Mfg. Co. et al.* v. *Sears, Roebuck & Co.* Stipulation and order of dismissal (notice Dec. 14, 1951).

2,378,139, W. F. Graham, Awning and operating means therefor, D. C., W. D. Mich. (Grand Rapids), Doc. 1655, *Ron-del, Inc.* v. *Victor Tool & Machine Corp.* Stipulation and consent judgment Dec. 31, 1951.

2,414,964, H. W. McPherson, Sewage disposal device for toilets, D. C., S. D. Calif. (Los Angeles), Doc. 12620-BH, *McPherson, Inc.* v. *Given Mfg. Co., Inc., et al.* Judgment holding Given Mfg. Co., Inc. has not infringed and dismissing complaint as to said defendant with prejudice; counterclaim of Given Mfg. Co. dismissed Feb. 21, 1951—order dismissing plaintiff's complaint and amended complaint and defendant Wellens Mfg. Co. counterclaim without prejudice Oct. 29, 1951.

2,479,530, O. E. Watson, Store basket and carriage, C. C. A., 4th Cir., Doc. 6298, *Telescope Carts, Inc.* v. *H. Heil.* Decree reversing judgment of district court Dec. 11, 1951.

2,488,957, H. G. Booth, Button-covering device, D. C., S. D. N. Y., Doc. 54/39, *D. Traum Co., Inc.* v. *John Dritz & Sons.* Stipulation of dismissal Dec. 27, 1951.

2,496,969, W. Wentworth, Spectacle sweat bar, filed Dec. 14, 1951, D. C., S. D. N. Y., Doc. 72/3, *Welsh Mfg. Co.* v. *Sunwear Products, Inc.*

2,505,009, C. S. Schroeder, Lift truck; 2,554,930, B. I. Ulinski, same, filed Dec. 27, 1951, D. C. Conn. (New Haven), Doc. 3563, *Towmotor Corp.* v. *The Yale & Towne Mfg. Co.*

2,510,438, K. M. Tuohy, Contact lens, D. C., S. D. Calif. (Los Angeles), Doc. 12460-Y, *Solex Laboratories, Inc.* v. *Pacific Contact Laboratories, Inc., et al.* Judgment holding patent valid and infringed, injunction Dec. 7, 1951.

2,513,519, M. F. Reynolds, Rim to collect fiber and prevent mixing with juice of juice extractor, filed Dec. 10, 1951, D. C., N. D. Calif. (Los Angeles), Doc. 6582, *M. F. Reynolds* v. *Miners Foundry & Mfg. Co.*

2,519,301, H. W. Walters, Solid flue checker work, D. C., W. D. Pa., Doc. 9067, *Laclede-Christy Co.* v. *Union Fire Brick Co. et al.* Judgment favor plaintiffs July 21, 1951.

2,524,681, V. D. Roosa, Manicuring device, D. C., E. D. N. Y., Doc. 11139, *V. D. Roosa et al.* v. *A. Sartorius & Co., Inc.* Order of discontinuance on consent Dec. 20, 1951.

2,527,413, Des. 161,831, J. S. Grossman, Bolt type fastener, D. C., S. D. Calif. (Los Angeles), Doc. 13231-Y, *Quality Hardware Mfg. Co.* v. *The Peabody Co., Inc., et al.* Patents held valid and infringed, injunction Nov. 28, 1951.

2,554,930. (See 2,505,009.)

2,574,886, H. Phillips, Fluorescent lighting fixture, filed Dec. 11, 1951, D. C., S. D. Ohio (Cincinnati), Doc. 2796, *Oscar Phillips Co.* v. *Cincinnati Industrial Finishing Co.*

Des. 146,224, A. Kono, Spectacle frame, D. C., S. D. N. Y., Doc. 53/270, *The Kono Mfg. Co.* v. *Victory Optical Mfg. Co.* Order dismissing cause for lack of prosecution Dec. 12, 1951.

Des. 150,851, J. B. Grinoch, Pleated necktie, D. C., S. D. N. Y., Doc. 66/335, *J. B. Grinoch* v. *Turton Cravats, Inc.* Judgment dismissing complaint Dec. 13, 1951.

Des. 161,831. (See 2,527,413.)

Des. 161,415, M. Kahn, Girdle, D. C., S. D. N. Y., Doc. 68/277, *Artistic Foundations, Inc.* v. *Lerner Stores Corp. et al.* Complaint withdrawn Dec. 4, 1951.

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 523,308, Helene Curtis Industries, Inc., Cosmetics and perfumery and hair waving oil, filed Dec. 8, 1951, D. C. S. Dak. (Sioux Falls), Doc. 410, *Helene Curtis Industries, Inc.* v. *West River Barber & Beauty Supply Co.*

T. M. 523,537, Standard Sewing Equipment Corp., Sewing machines and parts therefor, suit for declaratory judgment filed Dec. 26, 1951, D. C., S. D. N. Y., Doc. 72/96, *Universal Sewing Machine Co., Inc.* v. *Standard Sewing Equipment Corp.*

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NOTICES

Adjudicated Patent

(C. A. Kuns.) Mayrath Patent No. 2,483,290, for grain loader. Claims 2, 4, 5, 6, and 10 *Held* invalid. *Hutchinson Mfg. Co. v. Mayrath,* 192 F.2d 110; 91 USPQ 154.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,501,269, A. H. Fischer, Froth flotation of sulfide ores, decided Dec. 13, 1951, claim 3.

Pat. 2,498,605, G. E. Ham, Synthetic fiber preparation, decided Nov. 26, 1951, claim 1 (modified).

Pat. 2,519,443, G. Diemer and K. S. Knol, Mixing or detector circuit arrangement, decided Nov. 28, 1951, claims 1 and 5.

Pat. 2,537,763, D. T. Hurd, Preparation of organo silanes, decided Dec. 17, 1951, claims 1 and 2 (modified).

Cancellation Notice

George Hess Co. Inc., his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Finchley, Inc., 564 Fifth Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of George Hess Co. Inc., 1385 Broadway, New York, N. Y., No. 352,546, dated November 30, 1937, and the notice of such proceeding sent by registered mail to the said George Hess Co. Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said George Hess Co. Inc., his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—Jan. 29, 1952.)

ERNEST F. KLINGE,
Assistant Commissioner of Patents.

Jan. 9.

Classification Order No. 117

January 3, 1952

The following changes in the classification of inventions are hereby directed to take effect immediately:

ESTABLISH CLASS

118, Coating Apparatus (Division 38)

(H. S. VINCENT, *Classifier*)

Note.—The subclass schedule, definitions of the above class, and complete Classification Order No. 117 appear in Classification Bulletin No. 403, price $0.70.

IN THE MANUAL OF CLASSIFICATION:

ABOLISH CLASS

91, Coating (Division 38)

ABOLISH SUBCLASSES

In *Class 12, Boot and Shoe Making* (Division 11)

Sole machines
31 Edge inking
80 **Cement-applying devices**

In *Class 144, Woodworking* (Division 29)

280 **Glue applying apparatus**

ESTABLISH SUBCLASSES

In *Class 15, Brushing, Scrubbing and General Cleaning* (Division 27)

(T. L. STAM, *Classifier*)

Machines
Wiping
103.5 Rolling contact type with material supply (to follow subclass 103)

In *Class 299, Fluid Sprinkling, Spraying and Diffusing* (Division 30)

(T. L. STAM, *Classifier*)

28.5 **Ambulatory sprayers with guards or shielding means** (to follow subclass 28)
28.6 **With fusion of solid or granular material in spray nozzle**
28.7 With material feeding means
28.8 Wire or rod

CLASSES ARRANGED BY DIVISION

In Division 38, abolish
91—COATING
In Division 38, establish
118—COATING APPARATUS

CLASSES ARRANGED IN ALPHABETICAL ORDER

Abolish: **91**—COATING 38
Establish: **118**—COATING APPARATUS 38

CLASSES ARRANGED IN NUMERICAL ORDER

Abolish: **91**—COATING 38
Establish: **118**—COATING APPARATUS 38

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished Class	Abolished Subclass	Disposition Class	Disposition Subclass
12	31	118	200+, 407+
12	80	118	410+
91	1	118	Various
91	2	118	13+
91	3	118	24+
91	4	118	26+
91	5	118	26+
91	6	118	31+
91	7	118	19
91	7.5	118	Various
91	8	118	56+, 308+
91	9	118	402
91	10	118	Various
91	11	118	317
91	12	118	200+
91	12.01	118	229
91	12.1	118	Various
91	12.2	118	Various
91	12.3	118	Various
91	12.4	118	Various
91	12.5	118	400+
91	12.6	118	423+
91	12.7	118	419, 424
91	13	118	Various
91	14	118	35+
91	14.5	118	40+
91	15	118	32
91	16	118	19
91	17	118	33+
91	18	118	Various
91	19–35	118	Various
91	36	118	76+
91	37–41	118	200+
91	42	118	52+
91	43–45	118	300+
91	46	118	400+
91	47	118	211+, 243, 263
91	48–51	118	200+
91	52	118	418
91	53	118	100+, 407+
91	54	118	106, 257
91	54.3	118	264
91	54.4	118	264+
91	54.5	118	264+
91	54.6	118	264+
91	54.7	118	264+
91	54.8	38	141
91	55	118	58+
91	56	118	Various
91	58	118	245

Abolished Class	Abolished Subclass	Disposition Class	Disposition Subclass
91	59	118	100+
91	59.1	118	100+, 56+
91	59.2	118	110+
91	59.3	118	Various
91	59.4	118	100+
91	59.8	118	58+, 100+
91	59	118	Various
91	60	118	500+
91	61	118	500+
91	62	118	503
91	62.5	15	27, 50, 98, 130.1+
91	65	118	504
91	67	222	Various
91	67.8	29	110+
144	280	118	Various

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established Class	Established Subclass	Source Class	Source Subclass
15	103.5	91	48+
118	1–12	91	Various
118	13	91	2
118	14–18	91	2+
118	19	91	7
118	20	91	2+
118	21	91	2+
118	22	91	2+
118	23	91	2+
118	24, 25	91	3
118	26–30	91	4+
118	31	91	6
118	32	91	15
118	33	91	17
118	34	91	17
118	35	91	14+
118	36–43	91	14+
118	44, 45	91	Various
118	46	91	16
118	47	91	13, 18, 55
118	48	91	18, 45
118	49	91	12.2
118	50	91	18, 46, 55
118	51	91	18, 45
118	52–55	91	42
118	56	91	11, 46
118	57	91	Various
118	58–61	91	55
118	62	91	Various
118	63	91	Various
118	64–69	91	55
118	70	91	Various
118	71	91	54.4+
118	72	91	13
118	73	91	Various
118	74	91	12.1, 12.2, 12.3, 12.5+
118	75	91	Various
118	76–78	91	36
118	100–126	91	20, 22, 24, 30, 32, 53
118	200	91	Various
118	201	91	54.4
118	202	91	48+
118	203	91	Various
118	204	91	48+
118	205	91	47
118	206	91	Various
118	207	91	39
118	208	91	Various
118	209	91	38, 54.4, 62.5
118	210	91	Various
118	211	91	Various
118	212	91	47, 50, 51
118	213	12	80
118	214	91	Various
118	215	91	Various
118	216–228	91	Various
118	229	91	12.01
118	230, 231	91	Various
118	232	91	Various
118	233	91	Various
118	234	91	18, 37, 38, 51
118	235	91	Various
118	236	91	Various
118	237	91	Various
118	238	91	Various
118	239	91	Various
118	240	91	Various
118	241	91	Various
118	242	91	Various
118	243	91	47
118	244	91	48–51
118	245	91	48–51
118	246	91	48–51
118	247	91	48–51
118	248	91	48–51
118	249	91	48–51
118	250	91	48–51
118	251	91	48–51
118	252	91	48–51
118	253	91	Various
118	254	91	Various
118	255	91	Various
118	256	91	Various
118	257	91	23, 28, 34, 35, 54
118	258	91	48–51
118	259	91	48–51
118	260	91	48–51
118	261	91	48–51
118	262	91	48–51
118	263	91	47
118	264	91	54.4+
118	265	91	54.4+
118	266	91	54.4+
118	267	91	54.4+
118	268	91	54.4+
118	269	91	54.4+
118	270	91	54.4+
118	271	91	54.4+
118	300–307	91	43+
118	308–312	91	8, 43+
118	313–326	91	43+
118	400	91	46+
118	401	91	43
118	402	91	9
118	403	91	12.5, 12.7
118	404	91	46
118	405	91	32, 46
118	406	91	46
118	407	91	43
118	408	91	18, 43, 46
118	409–412	91	Various
118	413–415	91	30, 43, 53
118	417	91	18, 54
118	418	91	52
118	419–429	91	46
118	500–503	91	60+
118	504, 505	91	65
118	506	91	Various
299	28.5	91	12, 45
299	28.6	91	12.2
299	28.7	91	12.2
299	28.8	91	12.2

SUBCLASS SCHEDULE

Class 118, Coating Apparatus

1 **Application controlled by work presence or absence**
2 By coating material flow interrupter or initiator
3 Actuated by relative reciprocation of article and flow control
4 **With automatic control**
5 Of temperature
6 Of motion of work
7 Of coating material feed or application
8 Work controlled
9 **With testing, inspecting or measuring**
10 **With signal or indicator**
11 **Electrical controls**
12 **Intercontrols or safety interlocks**
13 **Edible coating material type**
14 Stringing or decorating of coating
15 With cutting of work
16 Plural coating devices
17 With apparatus cleaning or conditioning
18 Solid means acting on coating after application
19 Tumbling particulate work (i. e., rumble)
20 With work drying, cooling, heating or non-coating gas contact
21 To remove or spread applied coating by gas blast
22 With vibration of work
23 Combined
24 Projected or forced flow of coating material
25 Intermittent
26 Immersion
27 Superposed hopper or liquid column
28 Moving coating container or tank
29 Liquid coating supply and/or discharge to or from coating container
30 Means for moving work into, through or out of coating
31 Drain troughs or implements
32 **With folding, unfolding or festooning**
33 **With stretching or tensioning**
34 Transverse
35 **With cutting, punching or tearing of work**
36 Strand form work
37 Web or sheet work
38 Slitting
39 And cut off
40 Cut off
41 Pivoted cutter
42 Reciprocating cutter
43 By tearing
44 **With means to deform work**
45 **Coated surface protecting means** e. g., slip sheets

46 **With printing**
47 **Flame contact or burning off coating ingredient**
48 **Coating by means of a gaseous or vaporized coating material**
49 With vacuum or fluid pressure chamber
50 **With vacuum or fluid pressure chamber**
51 **With means to apply electrical and/or radiant energy to work**
52 **With means to centrifuge work**
53 Plural axes of rotation of work
54 Reciprocating centrifuge
55 Coating inside of hollow work
56 **With manipulation of work after coating to distribute or remove coating**
57 Vibrating or jarring
58 **With heat exchange, drying, or non-coating gas or vapor treatment of work**
59 With solid heat exchange means contacting work
60 Heated roll type
61 With treatment of waste gases, e. g., solvent recovery
62 To manipulate work by gas blast
63 To remove or spread applied coating by gas blast
64 With housing surrounding or engaging coating means
65 Running length work
66 Plural treatments
67 Running length work
68 Running length work
69 Cooling
70 **With cleaning or reconditioning work support or conveyer**
71 **With support for extraneous article or material**
72 **With means to prepare work surface for coating**
73 Liquid treatment
74 Fluxing
75 **Combined**
76 **Rubbing transfer of solid coating material onto work**
77 Running length work
78 Strands or cords
79–99 **No subclasses**
100 **Solid member or material acting on coating after application**
101 Heated or cooled member
102 Non-uniform treatment (over treated area of work)
103 Diverse members
104 With means to clean or recondition members
105 Inside of hollow work
106 Web or belt member
107 Rotating work
108 Work supported and guided carriage
109 Absorbent or porous mass or pad member
110 Rotary member
111 Axis of rotation perpendicular to plane of coated surface
112 Axis of rotation coincident or parallel to line of motion of work
113 With reciprocation along axis of rotation
114 Opposed rotary members
115 Axes of both in same horizontal plane
116 Flexible work
117 Running length work
118 Running length work
119 Member opposed to work back-up
120 Reciprocating member
121 Opposed members
122 Running length work
123 Running length work
124 Zigzag or jogged work path
125 Die passage
126 Member opposed to work back-up
127–199 **No subclasses**
200 **Solid applicator contacting work**
201 With means to support applicator on body or clothing
202 Heater or cooler for applicator or for film transfer feed member
203 With cleaner or conditioner for applicator
204 With non-uniform removal of coating material from applicator
205 Expansible or contractable to effect work contact
206 Combined with other type coating applier
207 Work supported and guided carriage
208 Strand, rod or bar traversing
209 With work handling or work supporting
210 With means to alter relative rates of work and applicator motions
211 Pattern or definite circumscribed area of application
212 Relief or intaglio applicator
213 Mask or stencil
214 Coating inside of hollow work
215 Inside only
216 Plural applicators or plural applying surfaces on single applicator
217 Diverse applicator types
218 Rotating work
219 Parallel, spaced or overlapping applications
220 Plural applicators and separate work for each
221 Parallel, spaced or overlapping applications
222 Adjustable spacing or overlap
223 Work moving past sequentially arranged applicators
224 Rotary applicator opposite rotary applicator or rotary back-up
225 Simultaneously operating on work
226 Opposed applicators
227 Rotary
228 Open side applicator support
229 Yarn wound drum indexed for striping
230 Rotating turret, wheel, or drum work conveyer
231 Sheet form work
232 Rotating work during coating application
233 Work rotated by applicator
234 Strand form work
235 With winding or unwinding of work for supply or removal
236 Sheet stacking, unstacking or handling
237 Coating applicator supported by stack
238 Reciprocating work holder
239 Endless belt type work conveyers
240 Compound motion of applicator during application
241 Reciprocating or oscillating applicator
242 Along surface of work
243 To and from coating material supply
244 Rotary applicator
245 With means to strip work from applicator
246 With means to guide work to follow perimeter of applicator
247 Intermittently acting work back-up
248 Opposed back-up and rotary applicator
249 Rotary back-up
250 Open side applicator and back-up support
251 Open side applicator and back-up support
252 With guide or gauge for edge or face of work
253 Movable back-up presses work against fixed applicator
254 Coating inside of hollow work
255 Plural applicators and/or plural sources of coating material
256 Movably mounted applicator
257 Web or belt applicator
258 Rotary applicator
259 Force or fountain feed
260 Wick feed
261 With doctor or film distributing feeder engaging applicator
262 Rotary
263 Applicator movable to coating material supply
264 Pads or absorbent or porous applicators
265 Deformable to contact supply
266 Forced feed or movable transporter from coating material supply to applicator
267 Gravity feed from separate coating material supply to applicator
268 Wick feed to applicator
269 Reversible pad and/or plural removable pad sheets
270 Sponge cup type
271 Heat liquefied coating material
272–299 **No subclasses**
300 **Projection or spray type**
301 With mask or stencil
302 With projector heating, cleaning or conditioning
303 Coating moving mass of solid particulate work
304 Projector combined with non-projecting conter
305 Work supported and guided carriage
306 Inside of hollow work
307 Strand, rod or bar form work
308 Applying solid particulate material
309 Dust chamber type
310 Plural supplies of particulate material
311 With common projector
312 Recirculation or conditioning of supply of particulate material
313 Plural projectors
314 Work moving past sequentially arranged projectors
315 Simultaneously acting on work
316 Opposed
317 Inside of hollow work
318 Rotating work

319 Rotating turret work support
320 Rotating work
321 Moving projector
322 Endless conveyer for work
323 Moving projector
324 Endless conveyer for work
325 Flexible web or strand work
326 With hood or offtake for waste material
327–399 **No subclasses**
400 **Immersion or work confined pool type**
401 Capillary passage or barometric column feed
402 Floating film or layer of coating material
403 Plural superposed layers of coating material in pool
404 Work extending through pool-confining wall area
405 Running length work
406 Mask or stencil
407 Work confined pool
408 Inside separate hollow work
409 Rotating work
410 With pump or non-gravity discharge against work
411 Plural pools
412 Plural pools
413 Movable or adjustable doctoring edge
414 Rolling doctor
415 Superposed pool
416 Rotating work during application
417 Tumbling particulate work
418 Rotary drums or receptacles
419 Running length work, longitudinally traveling
420 Strand form work
421 With means to move tank or pool
422 With pool surface skimming or conditioning
423 With means for moving work through, into or out of pool
424 Pinch rolls
425 Reciprocating or oscillating conveyer
426 Rotating conveyer for work
427 With opposed relatively movable members acting on immersed work
428 With work supports or guides
429 With tank structure, liquid supply, conditioning and/or control means
430–499 **No subclasses**
500 **Work holders, or handling devices**
501 Combined with drip pans or surplus collection
502 Impaling type
503 Gripper or clamped work type
504 **Work surface shields, masks or protectors**
505 Work attached
506 **Miscellaneous**

M. C. ROSA,
Executive Primary Examiner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,559,332. Ratchet Gear Assembly for Wrenches. Patented July 3, 1951. Wrench has dual aligned sockets in the forward end to engage a pair of nuts to hold one nut stationary while the other nut is turned for adjustment, attachment, or detachment; or it is used to simultaneously loosen or tighten both nuts. One socket is formed in the forward end of an elongated tubular barrel, and the other socket is formed in the forward end of an elongated shaft detachably and rotatably mounted in the barrel. The wrench is provided with a ratchet gear assembly to facilitate its adjustment and operation. (Owner) Roy O. Wright, 2019 8th Ave., Huntington, W. Va. Group 33—52. Reg. No. 46,325.

Pat. 2,561,615. Typewriting Machine Attachment. Patented July 24, 1951. Mechanical-electric attachment for typewriters for selectively controlling musical tones created by a specially designed multivibrator with amplifier and loudspeaker, whereby certain keys of typewriters may be utilized for playing music. The multivibrator is adapted to create musical notes of a timbre resembling the tones produced by any conventional musical instrument, such as an organ, violin, saxophone, flute, etc., or the whistle from human lips. The multivibrator includes separate electrical sub-circuits provided with individual controls which may be manually varied to tune each sub-circuit to the exact frequency of one of the successive tones of the conventional musical instruments. (Owner) Bartlett Edwards, Akron, Colo. Groups 35—72; 39—39. Reg. No. 46,326.

John R. Evans & Company, Second and Erie Streets, Camden, N. J., offers the following three patents for non-exclusive licensing on reasonable terms. Groups 28—81; 35—59; 39—92.

Pat. 2,470,450. Tanning With Free Formaldehyde and Melamine Simultaneously. Patented May 17, 1949. Animal skins are tanned by subjecting them to the action of a dilute aqueous solution containing both free formaldehyde and free melamine, the reagents being unreacted at the beginning of the tanning process. A pH of from about 4.0 to 5.5 may be maintained during the tanning. Chromium tanned leather may be re-tanned by this process. Reg. No. 46,327.

Pat. 2,552,129. Tanning With a Free Aldehyde and a Free Polyhydric Phenol Mixture in a Molecular Ratio of at Least 2 to 1. Patented May 8, 1951. Tannable protein materials, such as skins and hides, are tanned with an aqueous solution containing a free aldehyde and a free polyhydric phenol, such as resorcinol or pyrogallol, the aldehyde being present in a molecular amount of at least two mols of the aldehyde to each mol of the polyhydric phenol. Up to six mols of the aldehyde may be used, and may be selected from the group consisting of formaldehyde, furfural, benzaldehyde, and crotonaldehyde. The tanning is effected within a hydrogen-ion concentration of from pH 0.3 to pH 3.0, which is maintained during the operation. Reg. No. 46,328.

Pat. 2,552,130. Tanning Proteinaceous Fibers With a Mixture of an Aldehyde and a Polyhydric Phenol in a Molecular Ratio of at Least 2 to 1. Patented May 8, 1951. This patent extends the process described in Pat. 2,552,129 to the treatment of tanning untanned but tannable proteinaceous filaments. Both animal skins still having the hair thereon and woolen fabrics may thus be treated. Reg. No. 46,329.

Pat. 2,564,956. Jar Lifter. Patented Aug. 21, 1951. Jar-lifting tongs for use in home canning. A pair of pivoted levers have jar-gripping jaws at ends and an upwardly extending handle portion with an actuating lever for the jaws. The jaws may be opened by pressing on the lever. When upper end of handle is held in user's hand, the weight of a jar between the jaws urges the jaws together. (Owner) Vernal H. Baumgardner, Sr., Route 2, Box 272 D, Medford, Oreg. Groups 33—51—73; 34—41—99; 40. Reg. No. 46,330.

Pat. 2,559,768. Vertical and Horizontal Axes Roundabout. Patented July 10, 1951. Roundabout for amusement parks has a series of radially extending auxiliary shafts that swing up and down as they rotate with a series of radially extending driven shafts. A pair of radial arms are mounted on the outer end of each auxiliary shaft, and each arm carries a swingably mounted car containing a rotatable seat. Each pair of arms may be moved relative to each other and latched together in diametrical relation for rotation as a unit with their auxiliary shaft, and unlatched to permit relative movement of the arms to position them in side by side relation near the ground for loading and unloading the cars. Manual controls in each car may be selectively manipulated by an occupant to lock the car to its arm, or to lock the seat against rotation within the car. (Owners) Ira F. Howard, Roy Rimes, and Ira Howard. Correspondence to Ira F. Howard, Marco, Fla. Group 39—49. Reg. No. 46,331.

Pat. 2,150,464. Electrode Holder. Patented Mar. 14, 1939. Hollow welding electrode holder has a fixed jaw and a pivoted movable jaw. A longitudinally slidable cam inside the holder is normally urged forwardly by a spring to engage and close the movable jaw. A pivoted lever protruding out of the side of the holder may be depressed to retract the cam and cause a U-shaped yoke carried by the cam to open the movable jaw. The jaws may be easily removed for repair or replacement. (Owner) Albert H. Smith, 1806 South McPherrin Ave., Monterey Park, Calif. Group 36—19. Reg. No. 46,332.

Pat. 2,553,451. Arch Support. Patented May 15, 1951. Foot-arch support comprises a stiffener for attachment to exterior of shoe sole by means of screws or rivets to extend forwardly from heel to beneath ball of foot. A removable pad applied to under side of stiffener forms a downwardly projecting rib which lies beneath the transverse arch of foot. The rib serves as a fulcrum upon which the shoe is rocked when walking. The stiffener may be provided with an upwardly directed lateral extension to cooperate with the side of shoe in supporting the longitudinal arch of foot. Stiffener may also be built in shoe sole if desired. May be made of a light metal or plastic. Modification shown. (Owner) James Guest, Orthopaedic Works, Bolton, England. Correspondence to Michael S. Striker, 511 Fifth Ave., New York 17, N. Y. Groups 31—41; 33—73; 39—16—81. Reg. No. 46,333.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The following three patents relate to: A temperature measuring device; a shockproof electric circuit breaker, relay, or the like; and a process for dry-milling synthetic rubber. Groups 28—83; 36—19; 39—11.

Pat. 2,050,878. Measuring Device. Aug. 11, 1936. Reg. No. 46,334.

Pat. 2,546,053. Electromagnet Control Device. Mar. 20, 1951. Reg. No. 46,335.

Pat. 2,558,584. Processing of Synthetic Rubbers With Oily Organopolysiloxane. June 26, 1951. Reg. No. 46,336.

Licenses for the following 57 patents are limited to the field of radio purposes. Group 36—61. Reg. Nos. 46,337 through 46,393.

Pat. 1,992,022. Electrical Measuring Apparatus. Feb. 19, 1935.

Pat. 1,996,557. Photo-Electric Tube. Apr. 2, 1935.

Pat. 2,030,670. Process of Preparing Metallic Barium for Introduction Into Electric Discharge Devices. Feb. 11, 1936.

Pat. 2,049,306. Method and Apparatus for Testing Filament Wire. July 28, 1936.

Pat. 2,069,407. Thermionic Cathode and Process of Activation. Feb. 2, 1937.

Pat. 2,095,105. Process of Treating Metal Surfaces. Oct. 5, 1937.

Pat. 2,098,811. Composite Body. Nov. 9, 1937.

Pat. 2,137,846. Measuring Instrument for Alternating Current Circuits. Nov. 22, 1938.

Pat. 2,156,079. Electrical Discharge Device. Apr. 25, 1939.

Pat. 2,185,172. Electron Multiplier. Jan. 2, 1940.

Pat. 2,185,606. Frequency Stabilizer. Jan. 2, 1940.

Pat. 2,185,611. Electron Multiplier. Jan. 2, 1940.

Pat. 2,189,998. Tube Electrode. Feb. 13, 1940.

Pat. 2,194,183. Piezoelectric Crystal. Mar. 19, 1940.

Pat. 2,195,972. Saw Toothed Wave Generator. Apr. 2, 1940.

Pat. 2,196,163. Modulation System. Apr. 2, 1940.

Pat. 2,201,720. Thermionic Cathode Structure. May 21, 1940.

Pat. 2,202,607. Electrode Mounting. May 28, 1940.

Pat. 2,202,620. Electron Device. May 28, 1940.

Pat. 2,205,308. Electrical Resistor. June 18, 1940.

Pat. 2,206,387. Electronic Device. July 2, 1940.

Pat. 2,212,948. Amplifier. Aug. 27, 1940.

Pat. 2,219,193. Cathode Ray Apparatus. Oct. 22, 1940.

Pat. 2,219,194. Magnetic Focusing of Cathode Ray Tubes. Oct. 22, 1940.

Pat. 2,219,331. Vitreous Body. Oct. 29, 1940.

Pat. 2,219,332. Refractory Glass. Oct. 29, 1940.

Pat. 2,247,085. Amplifier. June 24, 1941.

Pat. 2,254,719. Fluid-Cooled Discharge Device. Sept. 2, 1941.

Pat. 2,274,381. Liquid Cooled Resistor. Feb. 24, 1942.

Pat. 2,280,531. Oscillographic Apparatus. Apr. 21, 1942.

Pat. 2,282,901. Electronic Apparatus. May 12, 1942.

Pat. 2,337,934. Ultra High Frequency Impedance Measuring Apparatus. Dec. 28, 1943.

Pat. 2,345,019. Rotating Coupling. Mar. 28, 1944.

Pat. 2,345,397. Electric Discharge Device. Mar. 28, 1944.

Pat. 2,355,111. Transmission Line Spacer. Aug. 8, 1944.

Pat. 2,367,987. Multianode Discharge Device. Jan. 23, 1945.

Pat. 2,375,668. Telemeter System. May 8, 1945.

Pat. 2,375,709. Expansion Circuit for Oscilloscopes. May 8, 1945.

Pat. 2,386,728. Wave Expansion Arrangement for Cathode Ray Oscilloscopes. Oct. 9, 1945.

Pat. 2,388,295. Mutual Coupling. Nov. 6, 1945.

Pat. 2,390,773. Amplifier Circuits. Dec. 11, 1945.

Pat. 2,405,809. Indicator Lamp. Aug. 13, 1946.

Pat. 2,407,911. Wave Propagation. Sept. 17, 1946.

Pat. 2,427,752. Concentric Line Lamp for Measuring High-Frequency Power. Sept. 23, 1947.

Pat. 2,434,610. Microwave Power Measuring Instrument. Jan. 13, 1948.

Pat. 2,436,637. Electronic Counter Device. Feb. 24, 1948.

Pat. 2,437,513. Deflection Coil and Yoke for Cathode Ray Tube. Mar. 9, 1948.

Pat. 2,440,547. Pulse Generator. Apr. 27, 1948.

Pat. 2,443,921. Coupling Arrangement. June 22, 1948.

Pat. 2,460,120. Electrode Structure for Electric Discharge Devices. Jan. 25, 1949.

Pat. 2,476,778. Magnetostrictive Device. July 19, 1949.

Pat. 2,484,562. Compensated Oscillator System. Oct. 11, 1949.

Pat. 2,490,007. Frequency Controllable Magnetron System. Nov. 29, 1949.

Pat. 2,491,804. Synchronizing System. Dec. 20, 1949.

Pat. 2,534,144. Single-Frequency Carrier Current Control System. Dec. 12, 1950.

Pat. 2,534,957. Response Curve Indicator. Dec. 19, 1950.

Pat. 2,536,794. Frequency Multiplier. Jan. 2, 1951.

Royalty-Free Patents

The Miller Company will grant a royalty-free license under either or both of the following two patents. Inquiries concerning the patents should be directed to: The Miller Company, Meriden, Conn.

Pat. 2,376,715. Ceiling. Patented May 22, 1945. Reg. No. 46,394.

Pat. 2,463,046. Ceiling Lighting Equipment. Patented Mar. 1, 1949. Reg. No. 46,395.

These two patents are directed toward suspended ceilings having recessed fluorescent lighting equipment. In one embodiment of Pat. 2,376,715 rows of hanger rods support rows of spaced inverted U-shaped yokes. A framework is provided between and supported by adjacent rows of yokes to support any desired type of ceiling or surfacing material between the rows of yokes. Each row of yokes is available to support fluorescent lighting equipment completely recessed within the ceiling along the entire row or any selected part of the row; and where lighting equipment is not desired, the yokes may be spanned by ceiling material and hidden from view. Pat. 2,463,046 shows a modified type of ceiling in which the lighting equipment is partially recessed within the ceiling and partially exposed below the ceiling line. This latter type of ceiling is desirable in locations where insufficient space is available for completely recessing the lighting equipment. Groups 33—81; 34—81—95.

United States Government Owned Patent

The following patent (granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928; 370 O. G. 757) is the property of the United States of America as represented by the Secretary of the Interior by virtue of assignment from the inventors, James G. Lewis and James L. Buckmaster. Licenses are non-exclusive and royalty-free. Applications for licenses should be directed to: The Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,561,386. Stereoblique Plotter. Patented July 24, 1951. Geometrical instrument for producing a composite map in true plan form from a plurality of oblique aerial photographs with the aid of a stereoscope. Two transparent blades, each having a central longitudinal hair line, are pivotally mounted for simultaneously scanning identical points on two oblique photographs on separate supports with the aid of a stereoscopic viewer. Two pivoted plotting arms are slidably mounted in a plotting carriage. Compensating means are provided for adjustably coupling the transparent blades to the plotting arms to correspond with the angle of tilt of the photographs. The plotting carriage carries a marking element and is adapted to be manually moved over a mapping sheet. Group 39—11. Reg. No. 46,396.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING DECEMBER, 1951

EX PARTE INTERSTATE BAKERIES CORPORATION, 173 Ms. D. 572, 91 USPQ 340, December 10, 1951.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration, under section 2(f) of the act of July 5, 1946, of the words "Honey Wheat" as applied to bread, on the ground that these words are incapable of distinguishing the applicant's goods from the goods of others in commerce for the reason that the words are merely a reference to the type of bread which the applicant sells.

After noting that if the mark merely identifies the character of the product to the extent that it identifies the product itself rather than the source or origin thereof, by virtue of which the mark has become distinctive of the applicant's goods in commerce, then the notation may not qualify, under section 2(f) of the statute, for registration as a trade-mark, it was held that the refusal to register the applicant's mark was proper, since the applicant has adopted as its trade-mark an expression which unquestionably indicates the nature and the principal ingredients of its goods, namely, wheat bread which contains honey.

EX PARTE GEORGE B. HURD, INC., 173 Ms. D. 576, 91 USPQ 344, December 11, 1951.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration under the provisions of section 2(f) of the act of July 5, 1946, of the notation "Lawn Finish" for writing paper and correspondence and mailing envelopes.

It was held that the notation "Lawn Finish" is incapable of distinguishing the applicant's goods from like goods of others, being a recognized trade term for a particular type of finish upon paper.

It was held that if the notation in question is inherently incapable of functioning as a trade-mark, long use thereof does not qualify it for registration.

It was held that applicant's registration under the act of 1920, which required neither distinctiveness nor use as a trade-mark, has no bearing on the registrability of a term, incapable of distinguishing the applicant's goods, under section 2(f) of the 1946 act.

EX PARTE THE DIAMOND FERTILIZER COMPANY, 173 Ms. D. 578, 91 USPQ 343, December 11, 1951.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration of the mark "EZ FLO" on the Principal Register under the act of 1946 for insecticides (dust), plant and horticultural parasiticides, agricultural, crop and animal sprays, fungicides and plant hormones for agricultural use, on the ground that the mark is descriptive of the goods.

It was held that Examiner was right, since insecticides in dust form are usually so finely divided that they pass through the nozzle of a dust gun without clogging, in a free-flowing fashion, and that appears to be the connotation intended for the applicant's mark when used on the goods here involved, whether they are dust or liquid in form.

LEVER BROTHERS COMPANY *v.* FORT HOWARD PAPER COMPANY, 173 Ms. D. 580, 91 USPQ 341, December 11, 1951, Opposition No. 28,266.

Application was made for registration under the act of 1946 of the trade-mark "PAPERLUX" for toilet paper. Opposition was filed based upon opposer's priority of use of the trade-mark "LUX" on toilet soap. The Examiner of Trade-Mark Interferences sustained the opposition. *Assistant Commissioner Klinge* affirmed.

It was held that toilet paper and toilet soap are closely related goods and that the mark of the applicant so resembles the opposer's mark as to be likely to cause confusion or mistake or to deceive purchasers, where, as here, the initial portion "PAPER" of the applicant's mark is descriptive, being merely the name of the product for which the mark is used, and the suffix portion "LUX," an essential and the only arbitrary portion of the applicant's mark, is the entire mark of the opposer.

THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY *v.* PAUL B. HANCOCK, 173 Ms. D. 588, 91 USPQ 350, December 12, 1951, Opposition No. 28,795.

Application was made for registration of the trade-mark "TORNADO," in association with a pictorial representation of a whirlwind, for use upon wire fencing. Opposition was filed based upon opposer's prior use of the trade-mark "Cyclone" applied to wire fencing, and ownership of Registration No. 212,792 for the same trade-mark. The Examiner of Trade-Mark Interferences sustained the opposition. *Assistant Commissioner Klinge* affirmed.

After noting that there is obviously a distinction in appearance and sound between the two marks, it was held that similarity in meaning alone is sufficient to give rise to the likelihood of confusion, so that although the expressions "Cyclone" and "TORNADO" are not strictly identical in meaning, the marks of the respective parties to this proceeding

are sufficiently alike in connotation that when applied to the substantially identical goods of the two parties, likelihood of confusion in trade would result.

THE HYGIENIC PRODUCTS COMPANY *v.* LION CHEMICAL COMPANY, 173 Ms. D. 591, 91 USPQ 348, December 12, 1951, Opposition No. 28,772.

Application was made for the registration of the trade-mark "ROYAL FLUSH" used upon a chemical preparation for removing rust and dirt and cleaning the cooling systems of automobile radiators, the word "FLUSH" being disclaimed. Opposition was filed based upon opposer's prior use and ownership of the mark "Sani-Flush" for goods described in its Registrations No. 86,062 and No. 298,651, as "cleaning powder" and "cleaning powder for automobile radiators," respectively. The Examiner of Trade-Mark Interferences dismissed the opposition. *Assistant Commissioner Klinge* reversed.

After noting that while it may be true that there is no other word which adequately supplants the word "Flush," when used in its proper context, and anyone has the right to so use that word, it was held that the word "Flush," whatever its significance as used in the marks of the parties to this proceeding, when applied to the goods under consideration, is not merely descriptive of the goods, so that when used upon substantially identical goods the two marks are not considered to be sufficiently different to avoid the likelihood of confusion.

E. S. DICKERSON, JR. *v.* WYANDOTTE CHEMICALS CORPORATION, 173 Ms. D. 583, 91 USPQ 345, December 12, 1951, Interference No. 4297.

The senior party, Wyandotte Chemicals Corporation, sought registration of the mark "ZORBALL" for a liquid absorbent and floor sweeping compound on an application claiming as the date of first use June 3, 1947. The junior party sought registration of the trade-mark "Sorb-Sall" for an oil, grease and moisture absorbent, used largely on floors. The senior party proved a shipment of goods by the Blue Mountain Clay Company on April 28, 1947, to the district sales offices of the senior party with the trade-mark "ZORBALL" applied thereto. The junior party introduced evidence which established beyond question that the junior party has had use of its mark on goods sold in trade since May 20, 1947. The Examiner of Trade-Mark Interferences awarded priority to the junior party. *Assistant Commissioner Klinge* affirmed.

It was held that the shipments to the senior party amounted to nothing more than the transfer of goods from the supplier to the custody of the senior party as incident to its preparation towards offering such goods for sale in the market, but before the latter took place, the junior party had perfected its right of priority by the sale of its goods to which its mark pertains, so that the junior party is entitled to judgment on the issue of priority.

EX PARTE BODIE-HOOVER PETROLEUM CORPORATION, 173 Ms. D. 594, 91 USPQ 352, December 13, 1951.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration on the Supplemental Register of the act of 1946, on the ground that the word is not one by which the goods of the applicant may be distinguished from the goods of others, the word "OUTBOARD," for lubricating oils, in Class 15, Oils and greases, the word appearing on the specimen in bold letters beneath which is the phrase, "A Highly Refined Oil Especially Compounded for Outboard Motors."

It was held that the Examiner reached the correct conclusion in this case, because the word "outboard" having acquired a meaning in the trade synonymous with the expression "outboard motor," such term applied to an oil for such motors would more likely be understood to characterize the type of oil to which it is applied than to point to the source or origin of the goods.

EX PARTE THE ENGINEERED PRODUCTS CO., 173 Ms. D. 596, 91 USPQ 376, December 13, 1951.

Application was made to register under the provisions of the Trade-Mark Act of 1946 a mark consisting of the word "ENGINEERED," which was disclaimed, displayed in conventional letters against a slanting black panel and superimposed upon a human figure standing upon a pedestal and holding a gear, the figure being located immediately behind the letter "N" at the middle of the word "ENGINEERED." The mark is applied to metal door catches. The Examiner of Trade-Marks rejected the application in view of Registration No. 422,631 for the word "Engineered Fastenings," the word "Fastenings" being disclaimed. The registrant's mark is applied to fastenings of a wide variety and kind including screw fasteners, bolts, nuts, washers, rivets, etc., in Class 13, Hardware and plumbing and steam-fitting supplies, the same class in which the applicant's goods are included. *Assistant Commissioner Klinge* affirmed.

It was held that the applicant has adopted the significant portion of the registered mark and the only part thereof by which purchasers would be likely to distinguish the registrant's goods as to their source or origin, so that since the significant part of both marks resides in the identical word "Engineered" and inasmuch as purchasers of the applicant's goods would so identify them as to their source or origin, likelihood of confusion would be inevitable.

It was held that disclaimer of the word "ENGINEERED" by the applicant will in no way lessen the likelihood of confusion since purchasers are ordinarily unaware of such disclaimers, and little, if any, reliance would be placed upon the design portion of the applicant's mark when ordering the applicant's goods over the counter by name, as is customary, or even by correspondence.

EX PARTE MEAD, JOHNSON & COMPANY, 173 Ms. D. 597, 91 USPQ 377, December 13, 1951.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration on the Principal Register under the provisions of section 2(f) of the act of 1946 of the expression "Pectin-Agar in Dextri-Maltose" used for an edible product consisting of pectin, agar, maltose, dextrins and sodium chloride used in the treatment of certain disturbances of normal intestinal function, on the ground that it is substantially the name of the goods and therefore incapable of distinguishing the applicant's goods in commerce.

It was held that the Examiner was right in ruling that the mark sufficiently describes the principal ingredients of the applicant's goods to indicate its composition, and therefore inherently lacks the capability of distinguishing the applicant's goods in commerce from similar goods of others.

It was held that long and exclusive use of a mark which is incapable of identifying the origin of applicant's goods is not sufficient to confer registrability on the basis of distinctiveness required by section 2(f) of the act of 1946.

It was held that prior registrations of the applicant are not of any material importance here.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 29, 1952

[VOL. 654. NO. 5]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 25

LOCKS AND SAFES

Ser. No. 521,262. Keil Lock Co., Inc., Charlestown, N. H. Filed Apr. 24, 1947. Under 10-year proviso.

KEIL

For Door Lock Sets and Parts Thereof, Locks and Keys.
Claims use since 1876.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 487,353. Chemical Manufacturing & Distributing Company, Easton, Pa. Filed Aug. 21, 1945.



For Insecticides, Disinfectants, Deodorants, Pipe Coil and Drain Cleaners, Lye and Germicides.
Claims use since Mar. 1, 1940.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 593,505. Societe Anonyme des Ciments Portland Artificiels Belges d'Harmignies, Brussels, Belgium. Filed Mar. 6, 1950.

HARMINE



Applicant claims ownership of Belgian Registration Nos. 65,184 and 65,185, dated Nov. 22, 1948.

For Powdered Limestone and Chalk, Both for General Use in the Industrial Arts.

CLASS 2

RECEPTACLES

Ser. No. 566,152. Lou Kashins, New York, N. Y. Filed Sept. 30, 1948.



The words "A Place for Everything . . . Everything in Its Place" are disclaimed.

For Wooden and Plastic Receptacle, Comprising a Tray-like Base and an Attached Super Structure, for Holding Artists' Paints and Brushes, Sold Empty.

Claims use since June 15, 1948.

Ser. No. 589,493. The Woodcroftery Shops, Inc., Wayland, N. Y. Filed Dec. 16, 1949.

Woodcroftery

For Plain and Decorated Woodenware—Namely, Chopping Bowls, Mixing Bowls, Salad Bowls, Trays, Plates, Silver Boxes, Coasters, Nut Bowl and Mallet Combination Sets, Relish Bowls, Miscellaneous Bowls, Wooden Buckets, Wooden Salt and Pepper Shakers, and Napkin Holders in the Nature of Receptacles.
Claims use since 1935.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 557,961. Sayman Products Company, St. Louis, Mo. Filed May 27, 1948.



The mark consists of a portrait of Thomas M. Sayman, now deceased. Applicant claims ownership of Registration No. 72,972.
For Toilet Soaps, Vegetable Soap, Lanolated Soap, Washing Tablets, Shoe Cleaner, Silver Polish, Window Cleaner, Liquid Cleaner for Woodwork and Furniture, Powdered Cleaner Having Water Softener Properties, Wire Pot Cleaners, Upholstery Cleaner, Hair Shampoo, Shaving Cream, and Shaving Soap.
Claims use since Jan. 1, 1938.

Ser. No. 574,337. Behr-Manning Corporation, Troy, N. Y. Filed Feb. 23, 1949.



Applicant claims ownership of Registrations Nos. 372,982, 313,955, 313,954, and 216,121.
For Abrasives of Both the Flexible and Inflexible Type.
Claims use since Aug. 8, 1928.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 487,353. Chemical Manufacturing & Distributing Company, Easton, Pa. Filed Aug. 21, 1945. (Classified in Class 52.)



For Insecticides, Disinfectants, Deodorants, Pipe Coil and Drain Cleaners, Lye and Germicides.
Claims use since Mar. 1, 1940.

Ser. No. 583,216. Pioneer Salt Company, Philadelphia, Pa. Filed Aug. 9, 1949. (Sec. 2f.)

MELTZIT

The drawing is lined for the color red. Applicant claims ownership of Registration No. 334,832.
For Salt Used for Melting Ice and Snow.
Claims use since Feb. 4, 1935.

Ser. No. 591,797. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Filed Feb. 1, 1950.

PENPHATE

For Chemical With Surface Active Hydrotropic and Wetting Properties Useful To Assist the Wetting and Detergent Action of Aqueous Solutions.
Claims use since Aug. 8, 1949.

Ser. No. 596,941. The Pep Boys—Manny, Moe & Jack, doing business as Varsity Products Co., Philadelphia, Pa. Filed May 5, 1950. (Classified in Class 52.)

Varsity

Applicant claims ownership of Registration No. 264,582.
For Auto Soap, Dressing for Cleaning and Treating Brake Bands, and Rain Spot Removers for Metal.
Claims use since May 1, 1929.

Ser. No. 598,967. Leonard W. Sturm, doing business as Development Engineering Company, Decatur, Ill. Filed June 12, 1950.

DECO "ABC"

For Negative Film Developer.
Claims use since Apr. 14, 1949.

Ser. No. 599,922. E. A. Aldridge, Inc., Los Angeles, Calif., assignor to Robert W. Bruce, Los Angeles, Calif. Filed July 14, 1950.

KEM-AIR

The word "Air" is disclaimed.
For Metal Containers Filled With a Combination of Chemicals for Humidity Control for Refrigerators and for Air Conditioners.
Claims use since Mar. 1, 1939.

Ser. No. 605,933. Universal Oil Products Company, Chicago, Ill. Filed Nov. 4, 1950.

PLATFORMING

For Solid Catalyst.
Claims use since Aug. 29, 1947.

Ser. No. 613,147. The Technicon Company, New York, N. Y. Filed Apr. 25, 1951.

technicon

Applicant claims ownership of Registration No. 547,778.
For Preparations or Histological Reagents for Use in Preparing Histological Specimens for Microscopic Examination—Namely, Fixatives, Dehydrants, Clearing Agents, Tissue Stains, and Medium for Mounting Tissue Sections on Slides.
Claims use since July 1, 1949.

Ser. No. 613,852. National Aluminate Corporation, Chicago, Ill. Filed May 14, 1951.

NALCO

Applicant claims ownership of Registrations Nos. 301,906, 339,491, 340,220, and 514,997.
For Algaecides for the Treatment of Water and Herbicides for Destroying Vegetable Growth.
Claims use since July 31, 1935.

Ser. No. 614,545. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed May 31, 1951.

AVITONE

For Chemical Compound Used as a Softening, Lubricating, and Finishing Agent for Natural and Synthetic Fibers Including Textiles and Leather.
Claims use since February 1942.

Ser. No. 614,575. Sharples Chemicals Inc., Philadelphia, Pa. Filed May 31, 1951.

DITHAC-W

For Vulcanization Accelerators.
Claims use since Dec. 8, 1949.

Ser. No. 614,577. Sharples Chemicals Inc., Philadelphia, Pa. Filed May 31, 1951.



For Vulcanization Accelerators.
Claims use since June 7, 1948.

Ser. No. 614,635. Sharples Chemicals Inc., Philadelphia, Pa. Filed June 1, 1951.

ETHYLAC

For Vulcanization Accelerators.
Claims use since June 7, 1948.

Ser. No. 614,768. General Dyestuff Corporation, New York, N. Y. Filed June 5, 1951.

FENAFIX

For Chemical Substances, Compounds and Compositions Used in the Dyeing and Finishing of Textile Fabrics and Other Textile Materials.
Claims use since May 9, 1951.

Ser. No. 614,920. All-Sil Welding Metals, Inc., New York, N. Y. Filed June 8, 1951.

ALL-SIL HARDALL

For Metal Hardening Compositions.
Claims use since Feb. 26, 1951.

Ser. No. 614,921. All-Sil Welding Metals, Inc., New York, N. Y. Filed June 8, 1951.

ALL-SIL SPATTERALL

For Anti-Spattering Compositions for Welding.
Claims use since Feb. 26, 1951.

Ser. No. 615,170. W. F. Fancourt Co., Philadelphia, Pa. Filed June 14, 1951.

VIBRALON

For Chemical Preparation for Finishing Hosiery.
Claims use since Apr. 24, 1951.

Ser. No. 616,457. Sun Chemical Corporation, Long Island City, N. Y. Filed July 13, 1951.

PRYM

For Aldehyde-Containing Chemical Compositions Used for Imparting Shrink-Resistance and Crease-Resistance to Textile Materials.
Claims use since June 19, 1951.

Ser. No. 617,080. The Dow Chemical Company, Midland, Mich. Filed July 28, 1951.

A-1004

For Preparation To Control the Preharvest Drop of Apples.
Claims use since Mar. 16, 1950.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 586,013. Rife-Loth Corporation, Waynesboro, Va. Filed Oct. 8, 1949.



The design portion of the mark is a pictorial representation of a "Betty Lamp" such as was in general use in the Old World and in the American Colonies prior to the American Revolution.

For Cast Metal Ash Trays and Cigarette Servers.
Claims use since Mar. 1, 1940.

Ser. No. 614,797. Waldoc Handicrafters, Watsontown, Pa. Filed June 5, 1951.

FLY 'N' SAUCER

For Ash Trays.
Claims use since Apr. 9, 1951.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 537,733. Rudiger-Lang Co., Berkeley, Calif. Filed Oct. 13, 1947. (Sec. 2f.)

Roll-Away

Applicant claims ownership of Registration No. 380,761.
For Window Screens.
Claims use since 1925.

Ser. No. 592,851. The Trinidad Lake Petroleum Company, Limited, Brighton, Trinidad, British West Indies. Filed Feb. 21, 1950.

TRINPETRO

Applicant claims ownership of Trinidad Registration No. 36, dated 1923.

For Road Oil Comprising a Solution of Asphalt in a Volatile Solvent and Used To Maintain and Stabilize the Surface of an Earth Road and To Line Drainage and Irrigation Ditches To Prevent Erosion, and Road Binder Comprising a Solution of Asphalt in a Volatile Solvent and Used in the Construction of Roads.

Ser. No. 603,096. Wasco Flashing Co., Cambridge, Mass. Filed Sept. 1, 1950.

COP-R-TEX

"COP-R," the phonetic equivalent of the descriptive word "copper," is disclaimed. Applicant claims ownership of Registration No. 335,851.

For Electro-Sheet Copper Bonded on One Side With Asphalt to Creped, Reinforced, and Waterproof Kraft Paper for Flashings.
Claims use since July 1, 1946.

Ser. No. 605,455. Insul-Mastic Corporation of America, Pittsburgh, Pa. Filed Oct. 26, 1950.



For Protective Coatings Having a Base of Gilsonite and Asphalt and Containing Fillers of Mica Flake, Asbestos Fiber, and Ceramic Clay and Which Are Used for Waterproofing, Preventing Corrosion, Vaporsealing, and Insulation of Metal and Masonry Structures.
Claims use since June 20, 1950.

Ser. No. 614,806. The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa. Filed June 6, 1951.

VITROPLAST

For Corrosion Resistant Cement Comprising a Resin and Used for Joining Bricks and Tiles.
Claims use since Apr. 10, 1951.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 574,170. United Aircraft Products, Inc., Dayton, Ohio. Filed Feb. 19, 1949.



The words "Ware" and "Line" are disclaimed. Applicant claims ownership of Registration No. 432,827.

For Metal Pans Useful in Baking and in the Preparation of Food Molds.
Claims use since Dec. 8, 1948.

Ser. No. 585,566. The Consolidated Iron-Steel Mfg. Co., Cleveland, Ohio. Filed Sept. 30, 1949. (Sec. 2f.)

COLUMBIA

For Screen Door Hinges.
Claims use since July 1, 1902.

Ser. No. 585,777. Adams Rite Manufacturing Company, Glendale, Calif. Filed Oct. 5, 1949. (Sec. 2f.)

RITE

Applicant claims ownership of Registration No. 522,246.
For Door and Drawer Pulls.
Claims use since June 1926.

Ser. No. 606,590. Walker, Crosweller & Company Limited, Cheltenham, Gloucestershire, England. Filed Nov. 15, 1950.

RADA

Applicant claims ownership of British Registration No. 685,462, dated Jan. 11, 1950, and Registration No. 685,376, dated Jan. 7, 1950.

For Pipe Line Fittings—Namely, Strainers and Fluid Mixing Valves.

Ser. No. 607,186. The Oilgear Company, Milwaukee, Wis. Filed Dec. 1, 1950.

OILGEAR

Applicant claims ownership of Registration No. 148,019.

For Valves for Use in and in Connection With the Hydraulic Transmission of Power—Namely, Directional Control Valves, Pilot Valves, Suction Valves, Surge Valves, Resistance Valves, Relief Valves, Check Valves, Combination Valves Each of Which Is a Plurality of Valves Combined Into a Unit, Foot Valves and Hold-Up Valves Each of Which Has a Resistance Valve and a Check Valve Combined Into a Unit, and Combinations Thereof and Parts Thereof.
Claims use since Nov. 10, 1920.

Ser. No. 607,187. The Oilgear Company, Milwaukee, Wis. Filed Dec. 1, 1950.



Applicant claims ownership of Registration No. 148,020.

For Valves for Use in and in Connection With the Hydraulic Transmission of Power—Namely, Directional Control Valves, Pilot Valves, Suction Valves, Surge Valves, Resistance Valves, Relief Valves, Check Valves, Combination Valves Each of Which Is a Plurality of Valves Combined Into a Unit, Foot Valves and Hold-Up Valves Each of Which Has a Resistance Valve and a Check Valve Combined Into a Unit, and Combinations Thereof and Parts Thereof.
Claims use since Nov. 10, 1920.

Ser. No. 608,615. Marco Company, Inc., Wilmington, Del. Filed Jan. 10, 1951.

SANI-SEAL

The word "Seal" is disclaimed.
For Pipe Couplings.
Claims use since Oct. 10, 1950.

Ser. No. 617,468. Yarnall-Waring Company, Philadelphia, Pa. Filed Aug. 8, 1951.

IMPULSE

For Steam Traps.
Claims use since September 1935.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 603,687. Kaiser Steel Corporation, Oakland, Calif. Filed Sept. 18, 1950.

KAISALOY

Applicant claims ownership of Registrations Nos. 415,716, 432,138, and 523,572.

For Cold Rolled Steel Strip and Sheet and Hot Rolled Steel Strip, Sheet and Plate, Bars and Structural Shapes.
Claims use since Oct. 11, 1949.

CLASS 15

OILS AND GREASES

Ser. No. 575,445. Petroleum Distributing Company, Houston, Tex., formerly known as Standard Oil Sales Co. Filed Mar. 14, 1949.



The words "Exclusive" and "Special" are disclaimed. The trade-mark includes the words "Jimmie Gray," which is the name of a living individual, consent is given. Applicant claims ownership of Registration No. 417,050.

For Tool Joint Compound—Namely, a Mixture of Grease, Red Lead, High-Pressure Lubricant, and Graphite Used as a Lubricant on the Threaded Ends of Joints of Drill Pipe and the Like.

Claims use on "Jimmie Gray Special" by applicant's predecessor since about Jan. 1, 1931; on the above portion of the mark together with the words "500-Ton" by applicant's predecessor since about Jan. 1, 1940; on Feb. 16, 1944, applicant's predecessor in business licensed applicant to use the above portion of the mark and applicant added thereto the word "Exclusive" and the square diamond making the complete composite mark for which registration is sought, and applicant first used the last said mark about Feb. 16, 1944.

Ser. No. 611,538. Rockwell Manufacturing Company, Pittsburgh, Pa. Filed Mar. 19, 1951. (Sec. 2f as to "Rockwell.")



Applicant claims ownership of Registrations Nos. 428,477, 428,478, and others.

For Valve Lubricating Greases.
Claims use since Dec. 13, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 589,095. Jenson & Nicholson Limited, Stratford, London, England. Filed Dec. 9, 1949.

ROBBIALAC

Applicant claims ownership of British Registration No. 436,230, dated Apr. 17, 1923.

For Ready Mixed Gloss Paints, Undercoat Paints, Enamels in the Nature of Paint, Varnishes (Other Than Insulating Varnishes), Washable Distemper Paints, and Wood Stains.

Ser. No. 591,585. Porter Paint Company, Louisville, Ky. Filed Jan. 27, 1950. (Sec. 2f as to "Porter.")

Porter Perfect

The term "Perfect" is disclaimed.

For Enamels, Asphalt Roof Coatings; Penetrating, Quick Drying, and Creosote Shingle Stains; Primer Coatings of the Paint, Varnish, Asphalt and Lacquer Type; Protective Coating Waxes; Wood Pore Fillers; Shellac; Paint, Varnish, Asphalt and Lacquer Thinners; Driers of the Paint, Varnish, or Similar Types; Varnish; Casein Tinting Colors for Paints; Colors in Oil for Use in Tinting Paints and Enamels; Sash and Trim Color; Cement and Concrete Paints of the Oil, Resin, or Latex Type for Application to Masonry Surfaces; Paint Containing Gilsonite; and Roof and Barn, Casein, Ready Mixed, Non-Fading Green, Flat Wall, Creosote, Marine Zinc Dust, Traffic, Stack Black, Mill White, Aluminum, Stippling, and Graphite Paints.

Claims use since Sept. 1, 1923.

Ser. No. 596,224. Glaze-All Corporation, Chicago, Ill. Filed Apr. 24, 1950. (Classified in Class 52.)

Glaze-All

The word "Glaze" is disclaimed.

For Auto Cleaning and Glazing Wax.

Claims use since Nov. 20, 1948.

Ser. No. 610,159. Abco, Inc., McKeesport, Pa., formerly Apter Bros. & Co., Inc. Filed Feb. 16, 1951.

DUSTROY

For Floor Dressing Compositions Applicable by Spraying, Brushing, or Wiping.

Claims use since Feb. 2, 1951.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 487,353. Chemical Manufacturing & Distributing Company, Easton, Pa. Filed Aug. 21, 1945. (Classified in Class 52.)

Tidy-Up

For Insecticides, Disinfectants, Deodorants, Pipe Coil and Drain Cleaners, Lye and Germicides.

Claims use since Mar. 1, 1940.

Ser. No. 579,248. Allied Drugs, Inc., Hackensack, N. J. Filed Apr. 28, 1949.

ALA-DYNE

For Medicinal Tablet To Be Taken Internally for the Treatment of Inflammation of the Joints of the Human Body.

Claims use since Feb. 15, 1949.

Ser. No. 592,997. The Grove Laboratories, Inc., St. Louis, Mo. Filed Feb. 24, 1950.

Atamine

For Anti-Histaminic Drug Preparation.

Claims use since November 1948.

Ser. No. 595,019. Vitamix Corporation, Philadelphia, Pa. Filed Mar. 31, 1950.

DEXA-PYRAMINE

For Anti-Histamine Containing Dextrose To Prevent Drowsiness.

Claims use since Dec. 29, 1949.

Ser. No. 604,802. Pharmaceuticals, Inc., Newark, N. J. Filed Oct. 12, 1950.

HISTALINE

For Preparation for the Treatment of Colds.

Claims use since Sept. 7, 1950.

Ser. No. 605,622. White Laboratories, Inc., Newark, N. J. Filed Oct. 30, 1950.

SULFAPENS

For Preparations Containing Antibiotic-Sulfonamide Mixtures in the Form of Troches.

Claims use since Oct. 17, 1950.

Ser. No. 605,763. Dr. Pierre Chemical Company, Chicago, Ill. Filed Nov. 1, 1950.

HYGEIAFORMS

Applicant claims ownership of Registration No. 269,330.

For Tablets Which Produce a Refreshing and Antiseptic Solution When Mixed With Water and Used as a Vaginal Douche.

Claims use since July 1, 1928.

Ser. No. 613,748. Walker Vitamin Products, Inc., Mount Vernon, N. Y., now by change of name Walker Laboratories, Inc. Filed May 10, 1951.

ARTICON

For Pharmaceutical Preparation Useful in the Treatment of Arteriosclerosis.

Claims use since May 3, 1951.

Ser. No. 613,932. Makers of Kal, Inc., Los Angeles, Calif. Filed May 16, 1951.

Crutn

For Vitamin C and Rutin.

Claims use since Apr. 11, 1950.

Ser. No. 614,124. Armour and Company, Chicago, Ill. Filed May 21, 1951.

ADACTHAR

For Adrenocorticotropic Compositions.

Claims use since Apr. 6, 1951.

Ser. No. 614,855. Strong, Cobb and Company, Inc., Cleveland, Ohio. Filed June 6, 1951.

JERTISONE

For Medicinal Preparation for the Control of Blood Pressure.

Claims use since May 18, 1951.

Ser. No. 614,905. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed June 7, 1951.

NEO-PENIL

For Antibiotic Preparation.

Claims use since Feb. 28, 1951.

Ser. No. 614,906. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed June 7, 1951.

PEN-EFF

For Effervescent Antibiotic Preparation.

Claims use since Mar. 20, 1951.

Ser. No. 614,948. Kremers-Urban Company, Milwaukee, Wis. Filed June 8, 1951.

KUTAPRESSIN

For Cutaneous Vasoconstrictor Designed for Use in the Constriction of Cutaneous Blood Vessels Where Erythema Is Present.

Claims use since June 2, 1950.

Ser. No. 614,986. Helen Freeman, doing business under the firm name and style of Freeman Drug Products, New York, N. Y. Filed June 9, 1951.

ARTUME

For Medicinal Preparation as an Aid in the Relief of Muscular Aches and Pains.

Claims use since Apr. 16, 1951.

CLASS 19

VEHICLES

Ser. No. 569,016. Societe Anonyme André Citroën, Paris, France. Filed Nov. 18, 1948. (Sec. 2f.)

CITROLN

Applicant claims ownership of French Registration No. 302,689, dated July 19, 1935.

For Automotive Vehicles—Namely, Passenger Vehicles and Motor Trucks Including Trailer Trucks Comprising Tractors and Trailers, and Structural Parts Thereof.

Claims use since June 10, 1920; and in commerce between France and the United States since 1937.

Ser. No. 569,018. Societe Anonyme André Citroën, Paris, France. Filed Nov. 18, 1948. (Sec. 2f.)

Applicant claims ownership of French Registration No. 310,552, dated Sept. 25, 1936.

For Automotive Vehicles—Namely, Passenger Vehicles and Motor Trucks Including Trailer Trucks Comprising Tractors and Trailers, and Structural Parts Thereof.

Claims use since June 10, 1920; and in commerce between France and the United States since 1937.

Ser. No. 600,495. Magnatex Limited, Harlington, England. Filed July 11, 1950.

MAGNATEX

Applicant claims ownership of British Registrations Nos. 651,437 and 651,438, dated Sept. 5, 1946.

For Motor Vehicle Accessories—Namely, Vehicle Direction Indicators of the Semaphore Arm Type, Windshield Wipers, Windshield Wiper Arms, Windshield Wiper Blades, Rear-Viewing Mirrors, Defrosters, Demisters, Air-Conditioning and Heating Installations for Vehicles; and Parts of All Such Goods.

Ser. No. 612,570. Whiting Corporation, Harvey, Ill. Filed Apr. 12, 1951.

TRACKMOBILE

For Rail Traction Vehicle With Retractable Road Wheels for Moving Freight and Passenger Cars.

Claims use since Aug. 28, 1950.

Ser. No. 613,223. D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y. Filed Apr. 27, 1951.

dph

For Bicycles and Structural Parts Therefor.
Claims use since 1949.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 613,642. Interchemical Corporation, New York, N. Y. Filed May 8, 1951.

PINE TREE STANDARD

The word "Standard" is disclaimed. Applicant claims ownership of Registrations Nos. 372,130, 372,131, and 374,578.
For Oilcloth.
Claims use since Apr. 16, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 591,940. McGraw Electric Company, Elgin, Ill. Filed Feb. 3, 1950.

SILTECT

For Grids for Cooking Devices—Namely, Grids for Electric Waffle Bakers.
Claims use since Nov. 8, 1948.

Ser. No. 607,684. The Rex Corporation, Cambridge, Mass. Filed Dec. 14, 1950.

REXOLITE

For Electrical Plastic Insulating Materials in Cast Rod and Plate Forms.
Claims use since Aug. 16, 1950.

Ser. No. 609,062. Viking Products, Vicksburg, Mich. Filed Jan. 20, 1951.

MAGNA-LYTE

For Electric Welding Guns.
Claims use since Sept. 9, 1950.

Ser. No. 616,356. Ateliers de Constructions Electriques de Charlerol, Brussels and Charlerol, Belgium. Filed July 12, 1951.

IMPULSIONNEL

Priority under Sec. 44(d). Applicant claims ownership of Belgian Registrations No. 3372, dated Jan. 22, 1951, and No. 3416, dated June 25, 1951.
For Electronic Generators of Electrical Impulses.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 579,258. Cadillac Toy Mfg. Co., New York, N. Y., assignor to Cadillac Toy Mfg. Co., Inc., New York, N. Y., a corporation of New York. Filed May 21, 1949.

LITTLE PRINCESS
Beauty Parlor

The words "Beauty Parlor" are disclaimed.
For Toy Make-Up or Beauty Kits.
Claims use since Mar. 11, 1949.

Ser. No. 595,596. Exhibit Supply Company, Chicago, Ill. Filed Apr. 12, 1950.

BOWL-A-MATIC

The word "Bowl" is disclaimed.
For Coin-Controlled Amusement Apparatus of the Bowling Game Type.
Claims use since Mar. 1, 1950.

Ser. No. 602,154. Kamkap, Inc., New York, N. Y. Filed Aug. 14, 1950.

JUNIOR MERCHANT

The word "Junior" is disclaimed.
For Toy Cash Register.
Claims use since May 2, 1950.

Ser. No. 603,012. The Hi-Flier Manufacturing Company, Decatur, Ill. Original filed, act of 1946, Supplemental Register, Aug. 31, 1950; amended to application, Principal Register, Apr. 4, 1951.



The drawing is lined for the colors blue and red. The word "Flier" and the outline of a kite are disclaimed. Applicant claims ownership of Registration No. 357,854.
For Kites.
Claims use since Aug. 17, 1932.

Ser. No. 604,676. The Whitney Sporting Goods Company, Denver, Colo. Filed Oct. 9, 1950.

Jim Haywood

The mark is fanciful and does not comprise the name or signature of or identify any particular living person. Applicant claims ownership of Registration No. 72,441.
For Fishing Lines, Fishing Rods, and Fishing Creels.
Claims use since Jan. 1, 1935.

Ser. No. 608,256. Sporting Enterprises, Boston, Mass. Filed Dec. 30, 1950.

T-V-CHAMPIONS

For Boxing Helmets.
Claims use since Dec. 14, 1950.

Ser. No. 609,581. Wright & McGill Co., Denver, Colo. Filed Feb. 2, 1951.



The word "Hooks" is disclaimed. Applicant claims ownership of Registrations Nos. 279,747, 370,137, and others.
For Fish Hooks.
Claims use since Sept. 27, 1927.

Ser. No. 612,711. Samuel R. Smith, Portland, Oreg. Filed Apr. 16, 1951.

BLU STREAK

For Diving Boards.
Claims use since Feb. 15, 1951.

Ser. No. 614,714. Mary W. Peters, Boulder, Colo. Filed June 4, 1951.

BABY-SITTERS

The word "Baby" is disclaimed.
For Dolls of Human and Animal Form.
Claims use since Sept. 15, 1949.

Ser. No. 618,064. Tee-Vee Toys, Inc., Cambridge, Mass. Filed Aug. 24, 1951.

Tee-Vee

The drawing is lined for shading only.
For Toys Made of Plastic—Namely, Figurines.
Claims use since June 1, 1951.

Ser. No. 618,661. Leroy E. Townsend, doing business under the fictitious name The Ropher Tackle Company, West Los Angeles, Calif. Filed Sept. 11, 1951.

Fin-Dingo

The word "Fin" is disclaimed.
For Artificial Fishing Lures.
Claims use since Apr. 24, 1949.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 548,196. F. J. Stokes Machine Company, Philadelphia, Pa. Filed Jan. 28, 1948. (Sec. 2f.)

STOKES

For Chemical and Pharmaceutical Apparatus Including Drying Cabinets or Closets of the Heated Type, Drying Cabinets of the Vacuum Type for Drying Materials From the Frozen State, Drying Machines of the Heated Rotary Drum Type, Drying Machines of the Heated Drum Type for Drying Films on the Exterior Surface of the Drum, Drying Machines of the Rotary Vacuum Drum Type, Granulators, Granulating Mixers, Grinding Mills, Impregnating Tanks of the Vacuum Type, Jar and Can Filling Machines, Mixing Machines, Molding Presses, Rotary Coating Pans, Rotary Polishing Pans, Rotary Fusing Pans, Tablet Compressing Machines, Tube Filling Machines, Combination Machines for Filling, Closing and Sealing Tubes, Machines for Closing Tubes, Tube Sealing and Clipping Presses, Vacuum Pumps, Vacuum Stills for Drying Materials From the Liquid State Under Vacuum, Vacuum Tanks for Fumigating Materials, Vacuum Tanks for Plating Processes, and Water Stills.
Claims use since August 1917.

Ser. No. 564,919. American Machine and Foundry Company, New York, N. Y. Filed Sept. 10, 1948. (Sec. 2f.)

WAHLSTROM

For Drill Chucks, Tapping Attachments, and Automatic Bar Stock Holding Chucks.
Claims use since June 1912.

Ser. No. 572,789. Zbrojovka Brno, Narodni Podnik, also named, Brno Arms Factory, National Corporation, Brunn, Czechoslovakia. Filed Jan. 25, 1949.

Z

Applicant claims ownership of Czechoslovakian Registration No. 9157/11303/Brno, dated Sept. 7, 1942/Nov. 26, 1947.
For Tractors and Parts Thereof, Ball Bearings and Roller Bearings, Parts Thereof and Mounting Accessories Thereto.

Ser. No. 582,142. Reed Roller Bit Company, Houston, Tex. Filed July 18, 1949.

CLECO
HANDI-DRILL

The words "Handi-Drill" are disclaimed.
For Pneumatic Drills.
Claims use since 1947.

Ser. No. 586,408. Food Machinery and Chemical Corporation, San Jose, Calif. Filed Oct. 17, 1949. (Sec. 2f as to the word "Bean.")

BEAN

Applicant claims ownership of Registration No. 97,748.
For Reciprocating Pumps.
Claims use since 1948 as shown; and since 1887 as to the word "Bean."

Ser. No. 593,113. John E. Garrett, Inc., Malden, Mass. Filed Feb. 27, 1950.

BLUENOSE

Applicant claims ownership of the mark in expired Registration No. 268,137.
For Mechanical Rug Hookers, Rug Hooks, and Rug Frames.
Claims use since October 1926.

Ser. No. 594,233. Pulva Corporation, Perth Amboy, N. J. Filed Mar. 18, 1950.

PULVA-SIZER

The term "Sizer" is disclaimed.
For Hammermills, Disintegrating Machines, Granulating Machines, Permanently Mounted Grinding Machines, and Parts Thereof.
Claims use since Feb. 17, 1950.

Ser. No. 596,868. Schramm, Inc., West Chester, Pa. Filed May 4, 1950.

Pneumatractor

For Tractors Incorporating an Air Compressor Unit Which May Be Used as a Tractor or as a Source of Power for Air Operated Tools.
Claims use since Mar. 31, 1950.

Ser. No. 601,421. Bohn Aluminum & Brass Corporation, Detroit, Mich. Filed July 29, 1950.

BOHNALITE

Applicant claims ownership of Registrations Nos. 249,460 and 292,426.
For Automobile Engine Parts—Namely, Pistons, Piston Pins, Engine Bearings, Connecting Rods, Water Pumps, Valve Springs, Rod Dippers, Water Tubes.
Claims use since Nov. 5, 1945.

Ser. No. 605,144. The Browning Crane & Shovel Company, Cleveland, Ohio. Filed Oct. 19, 1950.

TORQFLO

For Mobile Cranes and Shovels.
Claims use since Apr. 20, 1950.

Ser. No. 605,268. Pullman-Standard Car Manufacturing Company, Chicago, Ill. Filed Oct. 21, 1950. (Sec. 2f as to "Pullman-Standard.")

PULLMAN-STANDARD CAR MANUFACTURING CO
Built by Pullman Standard

The words "Built by" and "Car Manufacturing Co." are disclaimed. Applicant claims ownership of Registration No. 243,990.
For Railway Car Axle Drive Power Take-Off Units and Parts Thereof.
Claims use since Oct. 8, 1946, as shown; and since Dec. 26, 1934, as to "Pullman-Standard."

Ser. No. 612,521. Vinco Corporation, Detroit, Mich. Filed Apr. 11, 1951.

PRECISIONDEX

For Work Indexing Fixtures for Use With Milling Machines, Grinders, Boring and Drilling Machines, Slotters, Shapers, Profile Milling Machines, Graduating Machines, and the Like.
Claims use since May 1946.

Ser. No. 614,786. Pyrok Limited, London, England. Filed June 5, 1951.

PYROK

Applicant claims ownership of British Registration No. 663,933, dated Nov. 7, 1947.
For Machines for Pumping, Spraying, Smoothing, and Tamping Cementitious Materials.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 577,921. Altorfer Bros. Company, Peoria, Ill. Filed Apr. 29, 1949.

TOWN & COUNTRY

The drawing is lined for the color red.
For Clothes Washing Machines and Ironers.
Claims use since Mar. 2, 1949.

Ser. No. 618,619. Borg-Warner Corporation, Chicago, Ill. Filed Sept. 11, 1951.

Time-Line

The word "Line" is disclaimed.
For Washing Machines, and Parts Thereof for Replacement and Repair.
Claims use since July 1, 1951.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 571,210. Graflex, Inc., Rochester, N. Y. Filed Dec. 28, 1948. (Sec. 2f.)



For Photographic Apparatus—Namely, Cameras, Camera Backs, Cut Film Holders, Plate Holders, Film Pack Adapters, Roll Film Holders, Cut Film Magazines, Plate Magazines, Camera Focusing Panels, Camera Lensboards, Camera Shutters, Camera Tripods and Tripod Heads, Camera and Camera Accessories Carrying Cases Constructed and Shaped for the Specific Purpose of Carrying Cameras and Camera Cases, Rangefinders and Rangefinder Brackets, Focusing Light Attachment for Rangefinders (Being a Removable Attachment Permitting Use of the Rangefinder at Night), Camera Stands, Viewfinders, Photographic Printers, Photographic Enlargers, Photographic Lamp Shields, and Cord Sets for Photoflash Synchronizers.
Claims use since August 1941.

Ser. No. 581,920. Roy Boudinot Wolfe, Danville, Ill. Filed July 13, 1949.



For Slide Rules.
Claims use since June 10, 1948.

Ser. No. 588,339. U. S. Slicing Machine Company, Inc., La Porte, Ind. Filed Nov. 25, 1949.

U.S. BERKEL

The letters "U. S." are disclaimed. Applicant claims ownership of Registrations Nos. 253,594 and 298,000.
For Weighing and Computing Scales.
Claims use since Oct. 11, 1948.

Ser. No. 598,431. Pola-Ray Projection Screen Company, Inc., Pasadena, Calif. Filed June 1, 1950.

POLA RAY

The word "Ray" is disclaimed.
For Projection Screens for Motion Picture Theaters.
Claims use since Mar. 24, 1950.

Ser. No. 611,425. Heli-Coil Corporation, Danbury, Conn. Filed Mar. 16, 1951.



The representation of the wire coil is disclaimed.
For Gages for Use in Screw Connections With or Without Wire Thread—Namely, Screw Thread Gages and Flush Gages.
Claims use since Feb. 5, 1951.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 531,431. The Briggs Filtration Company, Washington, D. C. Filed Aug. 15, 1947. (Sec. 2f.)

Briggs

Applicant claims ownership of Registrations Nos. 344,319, 408,134, 408,135, and 408,136.
For Clarifiers of Lubricating Oils for Engines, and Oil Clarifier Refills.
Claims use since July 7, 1933; and since July 10, 1944, in the form illustrated.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 579,692. Lehigh Furniture Company, Easton, Pa. Filed May 28, 1949.

Playmobile
COLOR-TUNED PLAYYARD

The word "Playyard" is disclaimed.
For Play Pens.
Claims use since Oct. 12, 1948.

Ser. No. 587,104. Geneva Modern Kitchens, Inc., Geneva, Ill. Filed Nov. 1, 1949. (Sec. 2f as to "Geneva.")

GENEVA
MORE BOMBS STICKERS
GENEVA, ILLINOIS

The words "Modern," "Kitchens," "Geneva, Illinois" and the abbreviation "Inc." are disclaimed.
For Wall Cabinets, Floor Cabinets, Doors, Drawers and Other Structural Parts for Completing Cabinets Sold as Such, Desks, Drawers, Drawbins, Panels for Cabinets, and Finished Shelves.
Claims use since Jan. 6, 1947.

Ser. No. 593,249. United Metal Box Co., Inc., Brooklyn, N. Y. Filed Mar. 1, 1950.

UNITED

For Cabinets for Sinks, Cabinets for Drain-Board Sinks, and Fillers Therefor.
Claims use since May 1934.

Ser. No. 593,250. United Metal Box Co., Inc., Brooklyn, N. Y. Filed Mar. 1, 1950.

UNITED

For Cabinets for Sinks, Cabinets for Drain Board Sinks, and Fillers Therefor.
Claims use since May 1934.

Ser. No. 600,783. North American Rubber Corporation, Los Angeles (South Gate), Calif. Filed July 17, 1950.

DURAFOAM

For Auxiliary Automobile Cushions and Chair Pads.
Claims use since Apr. 18, 1950.

Ser. No. 600,920. Shifman Bros., Newark, N. J. Filed July 19, 1950.

The MERCURY

For Mattresses.
Claims use since January 1926.

Ser. No. 603,429. The Arrow Upholstery Company, New York, N. Y. Filed Sept. 12, 1950.

BROOKWOODS

For Sofas, Tailored Chairs, Divans, Couches, Settees, Lounges, and Pillows for Such Items.
Claims use since June 19, 1950.

Ser. No. 603,430. The Arrow Upholstery Company, New York, N. Y. Filed Sept. 12, 1950.

RIDGECREST

For Sofas, Tailored Chairs, Divans, Couches, Settees, Lounges, and Pillows for Such Items.
Claims use since June 19, 1950.

Ser. No. 603,431. The Arrow Upholstery Company, New York, N. Y. Filed Sept. 12, 1950.

ARTWELL

For Sofas, Tailored Chairs, Divans, Couches, Settees, Lounges, and Pillows for Such Items.
Claims use since June 19, 1950.

Ser. No. 604,678. Youngstown Industries, Inc., Girard, Ohio. Filed Oct. 9, 1950.

window Charm

The word "Window" is disclaimed.
For Vertical Venetian Type Window Blinds.
Claims use since December 1949.

Ser. No. 604,803. Plaut & Lederman, Chicago, Ill. Filed Oct. 12, 1950.

Tele-Venience

For Folding Metal Tables, Folding Steel Chairs, and Metal Serving Carts.
Claims use since Aug. 28, 1950.

Ser. No. 610,516. Harley and Hunzicker, doing business under the name of Kool Kooshion Mfg. Co., Oklahoma City, Okla. Original filed, act of 1946, Supplemental Register, Feb. 26, 1951; amended to application, Principal Register, Oct. 19, 1951. (Sec. 2f.)

KOOLKOOSHION

The word "Kooshion" is disclaimed.
For Fabricated Cushions Having Air-Circulation Space.
Claims use since Mar. 10, 1921.

Ser. No. 612,460. Merchandising Displays, Inc., Colorado Springs, Colo. Filed Apr. 10, 1951.

Record Spin-ettes

The word "Record" and the design of the record are disclaimed. The drawing is lined to indicate blue.
For Phonograph Record Display Racks.
Claims use since May 25, 1950.

Ser. No. 612,820. Orna Metal Products Co., St. Louis, Mo. Filed Apr. 18, 1951.

Skyliner

For Metal Office Furniture—Namely, Desks, Tables, Cabinets, Typewriter Stands, Telephone Stands, Bookcases, Clothes Racks, and Chairs.
Claims use since November 1947.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 616,638. Manheim Manufacturing & Belting Company, Manheim, Pa. Filed July 18, 1951.

VEELOS

For Power Transmission Belting, Particularly Balata Belting.
Claims use since 1906.

Ser. No. 616,655. Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Filed July 18, 1951.

CHALLENGE

Applicant claims ownership of Registrations Nos. 284,797 and 426,187.
For Rubber Hose and Rubber and Fabric Hose, Elevator Belt, Transmission Belt, and Conveyor Belt.
Claims use since June 15, 1917.

CLASS 37

PAPER AND STATIONERY

Ser. No. 531,839. Port Huron Sulphite & Paper Co., Port Huron, Mich. Filed Aug. 19, 1947. (Sec. 2f.)

Huron

Applicant claims ownership of Registrations Nos. 203,769, 203,775, 257,365, 410,873, 413,643, and 413,761.
For Following Paper and Paper Products: Bond Paper, Adding Machine and Cash Register Paper, Copy Paper, Bristol Board, Drum Paper, Cover Paper, Correspondence Envelope Paper, Correspondence Envelopes, Tag Paper, Index Card Paper, Cylinder Specialty Papers, Printing Papers, Air Mail Paper, Announcement Stock, Antique Papers, Bag Papers, Beaming Paper, Paper Board, Bogus Paper, Book Paper, Bottle Cap Board, Wrapping Papers, Waxed and Waxing Papers, Calendar Board and Paper, Car Lining Paper, Carbonizing Paper, Coating Paper, Colored Papers and Boards, Creping and Crepe Paper, Cup Paper, Decorated Paper, Die Wiping Paper, Drum Manila Paper, Drawing Paper, Drug Papers, Embossed Paper, Embossing Paper, Fiber Paper, File Pockets, Filter Paper, Firework and Tube Papers, Tissue Papers, Foil Mounting Papers, Folder Papers, Gasket Papers, Candy Paper, Glazed and Fancy Papers, Guide Stock Papers, Gum Wrap Paper, Index Bristol, Waxed Kraft Paper, Interleaving Paper, Lace Paper Stock, Laminated Paper, Laminating Paper, Imitation Leather Paper, Ledger Paper, Locker Paper, Machine Glazed Paper, Mailing Cards, Manifold Paper, Manila Paper, Manila Board, Milk Bottle Cap Paper, Mill Bristol Board, Mitscherlich, Music Paper, Music Roll Paper, Napkin Paper, Offset Paper, Opaque Paper, Onionskin, Pattern Paper, Printed Papers, Red Wallet Paper, Salesbook Stock, Saturating Papers, Screenings, Second Sheets, Soda Straw Paper, Stencil Board and Paper, Sulphite Papers, Super-Calendared Papers, Tabulating Paper, Surface Watermarked Papers, Textile Papers, Teletype Paper, Tissue Manila Paper, Toilet Tissue Wrap, Transparent Paper, Trunk Wrapping Paper, Twine Paper, Twisting Paper, Treated Paper, Tympan, Typewriter Papers, Tub-Sized Paper, Waxed Papers, Water Finish Fiber Paper, Waxed Shreddings, Waxed Tissue Paper, Sulphite Manila Papers.
Claims use since Mar. 8, 1922.

Ser. No. 545,841. Gaw-O'Hara Envelope Co., Chicago, Ill. Filed Dec. 31, 1947.

Applicant claims ownership of Registrations Nos. 102,709 and 246,866.
For Mailing, Correspondence and Filing Envelopes, Letterheads, Billheads, Blank Books, Blotters, Mailing and Filing Folders, and Portfolios of Paper or Paper Board.
Claims use since Jan. 1, 1914.

Ser. No. 584,249. Polychrome Corporation, Yonkers, N. Y. Filed Aug. 30, 1949.

PC

For Fluids for Use in Correcting Stencils, Stencils, and Styluses Used in Marking Stencils.
Claims use since February 1936.

Ser. No. 611,029. International Paper Company, New York, N. Y. Filed Mar. 8, 1951.

INTERNATIONAL SUPEROTO

Applicant claims owpership of Registrations Nos. 50,974, 257,198, 302,034, 388,013, 390,803, and 397,661.
For Groundwood Printing Paper.
Claims use since Feb. 21, 1951.

Ser. No. 612,517. The C. E. Sheppard Company, Long Island City, N. Y. Filed Apr. 11, 1951.

MULTI-RITE

For Accounting Boards.
Claims use since Oct. 3, 1950.

Ser. No. 614,466. Publishers' Paper Co., Oregon City, Oreg. Filed May 28, 1951.



For Paper Towels and Bathroom Tissue.
Claims use since Jan. 1, 1931.

Ser. No. 614,674. United Wallpaper, Inc., Chicago, Ill. Filed June 2, 1951.

Talisman

For Wallpaper.
Claims use since May 14, 1951.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 507,268. Miller Freeman Publications, Inc., Seattle, Wash. Original filed, act of 1920, Aug. 12, 1946; amended to application under act of 1946, Principal Register, Jan. 19, 1950. (Sec. 2f.)

MINING WORLD

For Magazine.
Claims use since July 1939.

Ser. No. 572,515. Nelson Doubleday, Inc., Garden City, N. Y. Filed Jan. 21, 1949. (Sec. 2f.)

Doubleday ONE DOLLAR BOOK CLUB

The words "One Dollar Book" are disclaimed.
For Books.
Claims use since January 1931 as to the mark shown; and since 1897 as to "Doubleday."

Ser. No. 610,001. Carmi Times Publishing Company, Carmi, Ill. Filed Feb. 13, 1951.

Carmi Times

The word "Carmi" is disclaimed.
For Newspaper Published Weekly.
Claims use since Dec. 22, 1950.

Ser. No. 613,628. Brief Pub. Inc., New York, N. Y. Filed May 8, 1951.

briefed

For Publication Issued Ten Times Yearly.
Claims use since Feb. 18, 1951.

Ser. No. 613,744. Stylon Corporation, Boston, Mass. Filed May 10, 1951.

The Stylon News

The word "News" is disclaimed.
For Periodically Issued House Organ.
Claims use since July 1948.

Ser. No. 615,725. William Hamilton Rousseau, Jr., doing business as Hamilton Feature Service, Orangeburg, S. C. Filed June 26, 1951.

Brought to you by
ME'N'U
TODAY

For Newspaper Feature.
Claims use since June 26, 1951.

CLASS 39

CLOTHING

Ser. No. 565,443. The May Department Stores Company, St. Louis, Mo., doing business as Kaufmann Department Stores, Pittsburgh, Pa. Filed Sept. 18, 1948. CONCONCURRENT USE with Serial No. 566,643 for the area comprising the particular territory consisting of the city of Pittsburgh, Pennsylvania, and the circular area situated within a radius of 75 miles from said city of Pittsburgh which includes territory in Pennsylvania, West Virginia, Maryland, and Ohio.

Polly Parker

The name "Polly Parker" is fanciful. Applicant claims ownership of Registration No. 400,694.
For Ladies' and Misses' Ready-to-Wear Clothing, Consisting of Coats, Suits, Capes, Jackets, Dresses, and Coat and Suit Ensembles.
Claims use since Feb. 9, 1938.

Ser. No. 566,643. Parkleigh Fashions, Inc., New York, N. Y. Filed Oct. 7, 1948. CONCURRENT USE with Serial No. 565,443 for the area comprising all of the United States of America and its territorial possessions, except, however, the city of Pittsburgh, Pennsylvania, and the circular area situated within a radius of seventy-five miles from said city.

Polly Parker

The trade-mark is fanciful and not intended to identify any living individual.
For Ladies' and Misses' Suits and Coats.
Claims use since Aug. 1, 1939.

Ser. No. 567,425. Emanuel Oxman, doing business as Philadelphia Hat Company, Philadelphia, Pa. Filed Oct. 21, 1948.

"MarieBelle"

The drawing is lined for blue but no claim is made to color.
For Ladies' Millinery—Namely, Hats.
Claims use since January 1942.

Ser. No. 602,315. M. R. Fleischman Co., San Francisco, Calif. Filed Aug. 17, 1950. (Sec. 2f as to "Fleischman.")



The word "Couplets" is disclaimed.
For Ladies' Sportswear—Namely, Blouses, Skirts, and Jackets.
Claims use since May 1950 as to the mark shown; and since January 1932 as to "Fleischman."

Ser. No. 613,925. David Lewis, Inc., St. Louis, Mo. Filed May 16, 1951.

Tall Timer

The word "Tall" is disclaimed.
For Women's Lingerie—Namely, Slips, Nightgowns, and Pajamas.
Claims use since Apr. 13, 1951.

Ser. No. 614,161. Poirette Corsets, Inc., New York, N. Y. Filed May 21, 1951.

PROMISE BY POIRETTE

Applicant claims ownership of Registrations Nos. 406,586 and 517,258.
For Corsets, Girdles, Brassières, and Combinations of Brassières and Girdles.
Claims use since May 11, 1951.

Ser. No. 614,162. Poirette Corsets, Inc., New York, N. Y. Filed May 21, 1951.

POIRETTE'S PROMISE

Applicant claims ownership of Registrations Nos. 406,586 and 517,258.
For Corsets, Girdles, Brassières, and Combinations of Brassières and Girdles.
Claims use since May 11, 1951.

Ser. No. 615,765. Dickson Safety Products Co., Los Angeles, Calif. Filed June 27, 1951.

POLYETTE

For Gloves Partially Coated With a Plastic Material.
Claims use since September 1948.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 572,175. Harlem-Adler & Co., Inc., New York, N. Y. Filed Jan. 14, 1949.

PREVUE Movie Buttons

The word "Buttons" is disclaimed. Applicant claims ownership of Registration No. 364,025.
For Buckles, Zipper Pulls, Buttons, Dress Studs and Dress Links, All Made of Non-Precious Material.
Claims use since May 22, 1938.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 584,902. The Firestone Tire & Rubber Company, Akron, Ohio. Filed Sept. 16, 1949.

Velon

Applicant claims ownership of Registrations Nos. 441,145, 507,954, and others.
For Plastic Film for Making Into Raincoats, Garment Bags, Dish Covers, Umbrellas, and the Like.
Claims use since Apr. 1, 1946.

Ser. No. 585,342. E. R. Moore Company, Chicago, Ill. Filed Sept. 26, 1949.

Malona

For Piece Goods of Cotton, Rayon, and Combinations Thereof Used in Caps and Gowns, Church Vestments, Gymnasium Suits, Playwear, Sportswear, and Blouses.
Claims use since September 1940.

Ser. No. 586,621. The Chemstrand Corporation, Philadelphia, Pa. Filed Oct. 21, 1949.

CHEMSTRAND

For Fabrics of Synthetic Fibers.
Claims use since Oct. 10, 1949.

Ser. No. 590,084. Industrial Rayon Corporation, Cleveland, Ohio. Filed Dec. 29, 1949.

TYRON

Applicant claims ownership of Registrations Nos. 367,754, 367,758, and 402,309.
For Rayon Tire Cord Fabric.
Claims use since Dec. 6, 1943.

Ser. No. 595,932. The American Fabrics Company, Bridgeport, Conn. Filed Apr. 19, 1950.



The representation of the woman is fanciful.
For Piece Goods of Cotton, Linen, and Synthetic Fibres; Luncheon Sets, Pillow Cases, Bed Sheets, Furniture Scarfs, Doilies, Runners, Towels, Table Cloths, and Chair Back Sets.
Claims use since 1925.

Ser. No. 597,952. Charles Early & Co. Limited, Witney, England. Filed May 23, 1950.

WITNEY POINT

The wording "Witney Point, Blanket, Made in England of Pure Wool" is disclaimed. Applicant claims ownership of British Registration No. B600,522, dated Aug. 19, 1938.

For Wool Blankets Not in the Piece (Other Than Horse Blankets).

Claims use since 1927 in Great Britain; and since 1927 in commerce between Great Britain and the United States.

Ser. No. 617,948. Deering, Milliken & Co., Inc., New York, N. Y. Filed Aug. 22, 1951.

VELACRON

For Textile Fabrics Made of Wool and Synthetic Fibers and Combinations Thereof.

Claims use since July 13, 1951.

Ser. No. 618,212. Pacific Mills, Boston, Mass., and New York, N. Y. Filed Aug. 29, 1951.

S. E. & T.

For Woolen Fabrics in the Piece.

Claims use since Aug. 10, 1951.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 549,413. Battle Creek Equipment Company, Battle Creek, Mich. Filed Feb. 11, 1948. (Sec. 2f.)

HEALTH WALKER

Applicant claims ownership of Registration No. 338,627.

For Exercising Machines in the Form of Moving Belt Treadmills.

Claims use since Dec. 4, 1931.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 535,017. Flotill Products, Incorporated, Stockton, Calif. Filed Sept. 19, 1947.

SUBLIME FLOTTA

Applicant claims ownership of Registration No. 378,918.

For Canned and Peeled Tomatoes With Puree and Tomato Paste.

Claims use since 1935.

Ser. No. 540,967. Armour and Company, doing business as Armour Creameries, Chicago, Ill. Filed Nov. 13, 1947.

MELROSE

For Ham and Bacon.

Claims use since Sept. 14, 1900.

Ser. No. 564,689. International Salt Company, Scranton, Pa. Filed Aug. 21, 1948. (Sec. 2f.)

BLUSALT

Applicant claims ownership of Registration No. 167,318.

For Salt.

Claims use since Jan. 15, 1922.

Ser. No. 564,724. The Halfhill Company, Los Angeles, Calif. Filed Sept. 4, 1948. (Sec. 2f.)

BEST BUY

Applicant claims ownership of Registration No. 268,432.

For Canned Tuna.

Claims use since Jan. 16, 1929.

Ser. No. 566,441. Pelton's Spudnuts, Incorporated, Salt Lake City, Utah. Filed Oct. 4, 1948. (Sec. 2f.)

Pelton's SPUDNUTS

For Plain and Iced Doughnuts, Twists, Bismarks, Eclairs, Cream Puffs, Fruit Tarts, Snails, and Figure Eights, and Pastry Bars and Rolls, Both Unfilled and Filled, and for a Mixture From Which Such Doughnuts and Other Pastry Items Are Made.

Claims use since Jan. 15, 1941.

Ser. No. 569,008. J. Orlando Co. Inc., New York, N. Y. Filed Nov. 18, 1948.



The picture is that of a fictitious person. The word "Orlando" and the representation of the olives are disclaimed.

For Olive Oil.

Claims use since Aug. 4, 1948.

Ser. No. 572,823. Aktiengesellschaft Chocolat Tobler, doing business as Chocolat Tobler, Limited, and Societe Anonyme Chocolat Tobler, Berne, Switzerland. Filed Jan. 26, 1949. (Sec. 2f.)

Tobler

Applicant claims ownership of U. S. Registrations Nos. 211,015, 217,341, 217,342, 252,976, and 209,621, and Swiss Registration No. 111,005, dated June 23, 1945.

For Chocolate Put Up in the Form of Bars, Tablets, Rolls, Sticks, and Candy.

Claims use since Nov. 7, 1900; and in commerce between Switzerland and the United States since Jan. 13, 1912.

Ser. No. 574,128. Albers Milling Company, Seattle, Wash., Portland, Oreg., and Oakland and Los Angeles, Calif. Filed Feb. 19, 1949.

STERESWEET

For Cattle Feed Composed of Grains and Minerals.

Claims use since Oct. 6, 1947.

Ser. No. 576,896. The O. P. Baur Confectionery Company, Denver, Colo. Filed Apr. 11, 1949.

Mija

The mark consists of the four lettered word "Mija." The mark is a combination of syllables derived from the two names Mier and Jacobs, formerly partners of the applicant company.

For Candy—Namely, Butter Almond Toffee.

Claims use since 1918.

Ser. No. 587,487. Hickmott Canning Co., Antioch, Calif. Filed Nov. 8, 1949.

EL CAPITAN

Applicant claims ownership of Registration No. 121,895.

For Canned Asparagus.

Claims use since Jan. 1, 1892.

Ser. No. 595,178. Vitafreze Corporation, Sacramento, Calif. Filed Apr. 3, 1950.

RAINBOW

Applicant claims ownership of Registration No. 173,274.

For Water Ice Confections.

Claims use since April 1941.

Ser. No. 600,209. Carr-Consolidated Biscuit Company, Wilkes-Barre, Pa. Filed July 5, 1950.



The representation of the girl as comprised in the mark is fanciful. Applicant claims ownership of Registration No. 439,912.

For Bakery Products—Namely, Crackers, and Cookies.

Claims use since June 1, 1946.

Ser. No. 603,171. Tuna, Inc., Moss Point, Miss. Filed Sept. 5, 1950.

Gulf Star

The word "Gulf" is disclaimed.

For Canned Tuna Fish.

Claims use since July 6, 1950.

Ser. No. 605,750. Lindt & Sprungli, Inc., New York, N. Y. Filed Nov. 1, 1950.

DIX HEURES

"Dix Heures" means "Ten Hours."

For Chocolate Candy.

Claims use since 1936.

Ser. No. 606,975. Edmund M. Henderson, doing business under the firm name and style of The Bluette Co., Ocean City, N. J. Filed Nov. 27, 1950.

BLUEITES

For Crisp Cheese Filled Toasted Appetizers.

Claims use since Nov. 20, 1950.

Ser. No. 607,818. Jewett & Sherman Company, doing business as Holsum Products, Milwaukee, Wis. Filed Dec. 18, 1950. (Sec. 2f.)

HOLSUM

Applicant claims ownership of Registrations Nos. 173,076 and 439,657.

For Honey, Salad Dressing, Prepared Mustard, Peanut Butter, Salted Nuts, Worcestershire Sauce, Olives, Food Flavoring Extracts, Coffee, Tea, Vinegar, and Table Syrup.

Claims use since December 1917.

Ser. No. 613,624. Atlantic Commission Company, Inc., New York, N. Y. Filed May 8, 1951.



The representation of the goods is disclaimed. Applicant claims ownership of Registrations Nos. 316,562, 500,970, and others.

For Fresh Vegetables—Namely, Asparagus, Kale, Onions, Garlic, Cole Slaw, and Mixed Salad; Unpopped Popcorn; Fresh Fruits—Namely, Bananas, Lemons, Limes, and Pears; and Nuts—Namely, Unshelled Pecans, Shelled Pistachios, Shelled Brazil Nut Meats, and Shelled Peanuts.

Claims use since May 14, 1948.

Ser. No. 615,551. Halben Food Manufacturing Co., Inc., St. Louis, Mo. Filed June 22, 1951.

Halben

For Barbecue Sauce, Salad Dressing, Sandwich Spread, Imitation Lemon Flavor, and Imitation Vanilla Flavor.

Claims use since Jan. 2, 1951.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 600,788. Royal Metal Manufacturing Company, Chicago, Ill. Filed July 17, 1950.

TUF-TEX

Applicant claims ownership of Registration No. 355,699.
For Simulated Leather of Plastic Material Used for Upholstering Purposes.
Claims use since Jan. 5, 1937.

Ser. No. 611,623. Textileather Corporation, Toledo, Ohio. Filed Mar. 21, 1951.

TUFTEX

For Coated Fabrics and Resinous Sheet Material in the Nature of Artificial Leather.
Claims use since Jan. 21, 1927.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 557,961. Sayman Products Company, St. Louis, Mo. Filed May 27, 1948. (Classified in Class 4.)



The mark consists of a portrait of Thomas M. Sayman, now deceased. Applicant claims ownership of Registration No. 72,972.
For Toilet Soaps, Vegetable Soap, Lanolated Soap, Washing Tablets, Shoe Cleaner, Silver Polish, Window Cleaner, Liquid Cleaner for Woodwork and Furniture, Powdered Cleaner Having Water Softener Properties, Wire Pot Cleaners, Upholstery Cleaner, Hair Shampoo, Shaving Cream, and Shaving Soap.
Claims use since Jan. 1, 1938.

Ser. No. 565,624. Richard Hudnut, New York, N. Y. Filed Sept. 22, 1948.

TAPER CURL

The word "Curl" is disclaimed.
For Hair Waving Lotion.
Claims use since Sept. 2, 1948.

Ser. No. 608,212. Walter J. Nash, doing business under the name and style of Wanasco Laboratories, Omaha, Nebr. Filed Dec. 29, 1950.

Vallina

For Hand Lotions and Skin Fresheners.
Claims use since February 1950.

Ser. No. 611,488. Revlon Products Corporation, New York, N. Y. Filed Mar. 17, 1951.

BABY TANGERINE

The word "Tangerine" is disclaimed.
For Nail Enamel and Lipstick.
Claims use since Jan. 19, 1951.

Ser. No. 611,489. Revlon Products Corporation, New York, N. Y. Filed Mar. 17, 1951.

LILAC CHAMPAGNE

The word "Lilac" is disclaimed.
For Nail Enamel and Lipstick.
Claims use since Jan. 19, 1951.

Ser. No. 613,406. The Andrew Jergens Company, Cincinnati, Ohio. Filed May 2, 1951.

WHITE VEIL

For Perfume.
Claims use since Mar. 21, 1951.

Ser. No. 613,658. Peter Vest Sales Corporation, New York, N. Y. Filed May 8, 1951.

October

For Lipstick, Foundation Cream, Cream Rouge, and Nail Polish.
Claims use since Apr. 25, 1951.

Ser. No. 613,659. Peter Vest Sales Corporation, New York, N. Y. Filed May 8, 1951.

Paisano

For Lipstick, Foundation Cream, Cream Rouge, and Nail Polish.
Claims use since Apr. 25, 1951.

Ser. No. 614,641. Parfums Forvil & Dentifrices du Docteur Pierre Reunis, Societe Anonyme, Nanterre (Seine), France. Filed June 1, 1951.

POINTIL

Applicant claims ownership of French Registration No. 407,893, dated Dec. 7, 1950.
For Hair Cream.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 557,961. Sayman Products Company, St. Louis, Mo. Filed May 27, 1948. (Classified in Class 4.)



The mark consists of a portrait of Thomas M. Sayman, now deceased. Applicant claims ownership of Registration No. 72,972.
For Toilet Soaps, Vegetable Soap, Lanolated Soap, Washing Tablets, Shoe Cleaner, Silver Polish, Window Cleaner, Liquid Cleaner for Woodwork and Furniture, Powdered Cleaner Having Water Softener Properties, Wire Pot Cleaners, Upholstery Cleaner, Hair Shampoo, Shaving Cream, and Shaving Soap.
Claims use since Jan. 1, 1938.

Ser. No. 585,847. Industrial Chemical Products Co., Detroit, Mich. Filed Oct. 6, 1949.

SURPHOS

For Slightly Acid Mixture of Metallic Phosphates and Wetting Agents in Powder Form Having Incidental Rust Inhibiting Properties and Adapted To Be Applied to the Surface of Metal To Clean and Prepare It for Painting.
Claims use since Sept. 26, 1949.

Ser. No. 596,224. Glaze-All Corporation, Chicago, Ill. Filed Apr. 24, 1950.

Glaze All

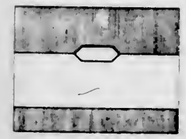
The word "Glaze" is disclaimed.
For Auto Cleaning and Glazing Wax.
Claims use since Nov. 20, 1948.

Ser. No. 596,941. The Pep Boys—Manny, Moe & Jack, doing business as Varsity Products Co., Philadelphia, Pa. Filed May 5, 1950.

Varsity

Applicant claims ownership of Registration No. 264,582.
For Auto Soap, Dressing for Cleaning and Treating Brake Bands, and Rain Spot Removers for Metal.
Claims use since May 1, 1929.

Ser. No. 598,760. Takamine Laboratory, Inc., Clifton, N. J. Filed June 7, 1950.



The drawing is lined for red.
For Dry Cleaning Soap Compound for Use in Connection With a Dry Cleaning Solvent.
Claims use since Apr. 12, 1949.

Ser. No. 607,013. Fulbright Laboratories, Inc., Charlotte, N. C. Filed Nov. 28, 1950.

FUL-O-CIDE

For Chemical Composition Having a Cleansing and Sludge Removing Action for the Elimination and the Prevention of Slime.
Claims use since Jan. 5, 1950.

Ser. No. 614,476. G. H. Wood & Company Limited, Toronto, Ontario, Canada. Filed May 25, 1951.

R-4-X

Applicant claims ownership of Canadian Registration No. N. S. 36,364, dated July 20, 1950.
For Antiseptic Soap Preparation.
Claims use since July 11, 1950; and since Oct. 23, 1950, in commerce between foreign nations and the United States.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 552,644. Eastman Oil Well Survey Company, Denver, Colo. Filed Mar. 22, 1948. (Classified in Class 103. Sec. 2f as to "Eastman.")



The words "Controlled Directional Drilling" and "Oil Well Survey Service" are disclaimed.
For Directional Drilling, Core Orienting and Oil Well Surveys—Namely, Oil Well Temperature Surveys, Surface Controlled Magnetic Well Surveys, Water Entry Surveys, and Surveys To Ascertain Inclination of and Direction of Inclination of Well Bores.
Claims use since Jan. 1, 1940.

Ser. No. 580,090. The Northwest Public Power Association, Vancouver, Wash. Filed June 7, 1949.



All wording shown on the drawing is disclaimed.
For Informational Services to Its Subscribing Publicly Owned Electric Utilities on Technical, Accounting, Financial, Purchasing, Advertising, Public Relations Matters, and Other General Matters Relating to Public Utilities.
Claims use since Apr. 1, 1949.

Ser. No. 580,366. Hygrotrol Corporation, San Jose, Calif. Filed June 13, 1949.



For Services Rendered on a Contract Basis to Airports and Food Growers—Namely, Disbursing Fog and Eliminating Poor Visibility at Airports; and Preventing Damage to Crops by Cooling the Air During Hot Weather.

Claims use since July 16, 1948.

Ser. No. 580,367. Hygrotrol Corporation, San Jose, Calif. Filed June 13, 1949.

HYGROTROL

For Services Rendered on a Contract Basis to Airports and Food Growers—Namely, Disbursing Fog and Eliminating Poor Visibility at Airports; and Preventing Damage to Crops by Cooling the Air During Hot Weather.

Claims use since July 16, 1948.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 526,517. Peter H. Sause, doing business under the firm names and styles of The Radio Advertiser's Guild and Peter H. Sause Enterprises, New York, N. Y. Filed July 5, 1947.



The words "Radio Advertisers," "Members," "Guild," "Pledged to Dependability and Service," and "First With the Finest" are disclaimed.

For Producing for Radio Broadcasting Stations a Series of Radio Programs Dealing With Some Subject of Community Interest as Fire Prevention or Safety; and Soliciting Sponsors for Such Programs.

Claims use since Feb. 21, 1947.

Ser. No. 573,292. Workroom Associates, Inc., Chicago, Ill. Filed Jan. 28, 1949.



The words "Workroom Associates" are disclaimed.

For Business and Management Consultation and Planning Services Pertaining to Workroom Operations in the Textile Industry.

Claims use since Oct. 1, 1948.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 552,644. Eastman Oil Well Survey Company, Denver, Colo. Filed Mar. 22, 1948. (Sec. 2f as to "Eastman.")



The words "Controlled Directional Drilling" and "Oil Well Survey Service" are disclaimed.

For Directional Drilling, Core Orienting, and Oil Well Surveys—Namely, Oil Well Temperature Surveys, Surface Controlled Magnetic Well Surveys, Water Entry Surveys, and Surveys To Ascertain Inclination of and Direction of Inclination of Well Bores.

Claims use since Jan. 1, 1940.

CLASS 104

COMMUNICATION

Ser. No. 545,447. Columbia Broadcasting System, Inc., New York, N. Y. Filed Dec. 26, 1947.

Crime Photographer

For Radio Program Broadcasting Services.

Claims use since July 11, 1945.

Ser. No. 545,449. Columbia Broadcasting System, Inc., New York, N. Y. Filed Dec. 26, 1947.

Give and Take

For Radio Program Broadcasting Services.

Claims use since Aug. 25, 1945.

Ser. No. 545,450. Columbia Broadcasting System, Inc., New York, N. Y. Filed Dec. 26, 1947.

Let's Pretend

For Radio Program Broadcasting Services.

Claims use since Mar. 24, 1934.

Ser. No. 545,452. Columbia Broadcasting System, Inc., New York, N. Y. Filed Dec. 26, 1947.

Studio One

For Radio Program Broadcasting Services.

Claims use since Apr. 29, 1947.

CLASS 106

MATERIAL TREATMENT

Ser. No. 582,151. Tube-Kote, Inc., Houston, Tex. Filed July 18, 1949. (Sec. 2f.)



For Applying a Plastic Base Covering to Both New and Used Mechanical Devices Such as: Flanges, Caps, Unions, Plugs, Elbows, T's, Crosses, Bends, Couplings, Nipples, Reducers, Bushings, Bends, Valves, Cocks Risers, Strainers, Cylinder Heads, Pumps, Tanks, Tank Accessories, Boat Keels, Fans, Blowers, Tube Bundles, Condensers, Packers, Baffles, Balls and Seats, Barrels, Baskets, Bolts and Nuts, Cans, Junk Catchers, Asbestos Cement Pipe, Cathodic Protection Equipment, Centralizers, Flow Chokes, Christmas Tree Accessories, Sucker Rods, Tubing, Casing, Line Pipe, Drill Pipe, Meters, Gas Lifts, Sinks, Drains, Screens, Heat Exchangers, Floats, Ducts, Towers, Tubing Hangars, Well Heads, Heaters, Joints, Sleeves, Spiders, Inlets, Thermowells, Intercooler Headers, Dust Collectors, Air Receivers, Electrical Device Insulation, and Tower Exhausts.

Claims use since June 28, 1941.

Ser. No. 585,006. George Aderhold, doing business as The Saxonburg Potteries, Saxonburg, Pa. Filed Sept. 19, 1949.



The words "Saxonburg Quality Ceramics" are disclaimed.

For Producing Ceramic, Porcelain, and Refractory Articles to Customer's Specifications.

Claims use since July 18, 1949.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 526,517. Peter H. Sause, doing business under the firm names and styles of The Radio Advertiser's Guild and Peter H. Sause Enterprises, New York, N. Y. Filed July 5, 1947. (Classified in Class 101.)



The words "Radio Advertisers," "Member," "Guild," "Pledged to Dependability and Service," and "First With the Finest" are disclaimed.

For Producing for Radio Broadcasting Stations a Series of Radio Programs Dealing With Some Subject of Community Interest as Fire Prevention or Safety; and Soliciting Sponsors for Such Programs.

Claims use since Feb. 21, 1947.

Ser. No. 556,499. George R. Wagner, Creswell, Oreg. Filed May 7, 1948.

GORGEOUS GEORGE

For Entertainment Service in the Nature of Wrestling Exhibitions.

Claims use since Feb. 10, 1942.

Ser. No. 585,604. Donald S. Reinhardt, New York, N. Y. Filed Sept. 30, 1949.

PIVOT SYSTEM

The word "System" is disclaimed. Applicant claims ownership of Registration No. 442,585.

For Instructing in the Playing of Musical Brass Instruments.

Claims use since January 1926.

Ser. No. 591,606. Balaban and Katz Corporation, Chicago, Ill. Filed Jan. 28, 1950.



The word "Club" is disclaimed.

For Entertainment Service in the Nature of a Television Broadcast Program of Western Stories.

Claims use since July 18, 1949.

Ser. No. 611,724. Rockhill Radio, New York, N. Y. Filed Mar. 23, 1951.



For Entertainment Service—Namely, the Presentation of Science-Fiction Playlets Through the Medium of Television Broadcast Programs.

Claims use since Oct. 2, 1950.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1946, PRINCIPAL REGISTER

554,139. Perfumes, Toilet Waters, Rouge, Lipstick, Face Creams. Parfumerie Lubin, Societe Anonyme, Paris, France.
Original filed, act of 1905, Jan. 30, 1947; amended to application under act of 1946, Principal Register, Sept. 11, 1948, Serial No. 516,632. Published Sept. 25, 1951. Class 51.

554,140. Ready-Mixed Paints, Paint Enamels, and Lacquers for Use on Interior and Exterior Surfaces of Metal, Wood, or Composition. Kansas Paint & Color Company, Wichita, Kans.
Original filed, act of 1905, Feb. 4, 1947; amended to application under act of 1946, Principal Register, Nov. 4, 1947, Serial No. 516,905. Published Nov. 13, 1951. Class 16.

554,141. Skin Cleansing Preparation for Removing Ink Stains From the Hands or Skin. Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y.
Original filed, act of 1905, Apr. 5, 1947; amended to application under act of 1946, Principal Register, Aug. 12, 1948, Serial No. 520,202. Published Nov. 6, 1951. Class 52.

554,142. Varnishes, Lacquers, Wood Sealers, Primers of the Pigmented Vehicle and Clear Vehicle Types, Protective and Decorative Paint and Varnish Type Coatings. Breinig Brothers, Inc., Hoboken, N. J.
Filed Aug. 8, 1947, Serial No. 530,802. Published Oct. 23, 1951. Class 16.

554,143. Control Valves—Namely, Check Valves, Fluid Mixing Valves, Pressure Reducing Valves, High Pressure Relief Valves, Low Pressure Relief Valves, Air Vent Valves, and Differential Relief Valves; and Boiler Plugs. The Triplex Heating Specialty Company, Incorporated, Peru, Ind.
Filed Sept. 15, 1947, Serial No. 534,568. Published Nov. 6, 1951. Class 13.

554,144. Cologne, Dusting Powder, Face Powder, Lipstick, Rouge, Nail Polish, a Chemical in Liquid Form for the Removal of Nail Polish, Etc. Pitkin, Inc., Newark, N. Y.
Filed Oct. 11, 1947, Serial No. 537,619. Published Oct. 2, 1951. Class 51.

554,145. Motor Lubricating Oil. Inter-State Oil Co., Kansas City, Kans.
Filed Nov. 19, 1947, Serial No. 541,681. Published Sept. 11, 1951. Class 15.

554,146. Caulking Compound Consisting of Oils and Pigments. Alfred Goss, doing business as Goss & Goss, San Francisco, Calif.
Filed Jan. 9, 1948, Serial No. 546,582. Published Sept. 25, 1951. Class 12.

554,147. Varnish for Application Over Wet Ink Films on Freshly Printed Metal Surfaces. Interchemical Corporation, New York, N. Y.
Filed Mar. 27, 1948, Serial No. 553,199. Published Nov. 6, 1951. Class 16.

554,148. Toy Dog. Orianna Metal Products, Inc., Philadelphia, Pa.
Filed Apr. 5, 1948, Serial No. 553,896. Published Oct. 9, 1951. Class 22.

554,149. Valves—Namely, Pilot Valves, Hand Operated and Foot Operated Valves for Controlling Pneumatic or Hydraulic Power Cylinders and Two-Direction Cylinder Speed Control Valves. Hanna Engineering Works, Chicago, Ill.
Filed Apr. 15, 1948, Serial No. 554,665. Published Nov. 6, 1951. Class 13.

554,150. Artificial Fish Lures. Wallace Industries, Seattle, Wash., by change of name from Wallace Toys.
Filed Apr. 20, 1948, Serial No. 555,121. Published Nov. 6, 1951. Class 22.

554,151. Asbestos Insulation Material in Sheet Form for Building Purposes. The Philip Carey Manufacturing Company, Cincinnati, Ohio.
Filed May 7, 1948, Serial No. 556,409. Published Oct. 9, 1951. Class 12.

554,152. Volatile Solvent, Comprising Trichlorethylene, for Cleaning Grease-Laden Machine Parts. Optimus Equipment Company, Matawan, N. J., assignee of Circo Products Company.
Filed June 2, 1948, Serial No. 558,281. Published Nov. 6, 1951. Class 52.

554,153. Flexible Asphaltic Coating Compound for Insulating and Sealing Underbodies of Automobiles, Trucks, and Busses To Silence Body Noises, To Protect Against Road Grime, Corrosive Salts, Rust, and Fumes. Anderson-Prichard Oil Corporation, Oklahoma City, Okla.
Filed June 4, 1948, Serial No. 558,441. Published Nov. 6, 1951. Class 16.

554,154. Laundry Presses. The Unipress Company, Incorporated, Minneapolis, Minn.
Filed July 22, 1948, Serial No. 561,957. Published Oct. 30, 1951. Class 24.

554,155. Thermo-Plastic Resin Material in Tape Form Used To Cover Plating Racks To Protect Them From the Electroplating Solutions, Etc. Hanson-Van Winkle-Munning Company, Matawan, N. J.
Filed July 24, 1948, Serial No. 562,141. Published Oct. 16, 1951. Class 5.

554,156. Gasolene, Kerosene, Gas, and Charcoal Smoothing Irons. S. F. Appliances, Limited, Ridgefield, N. J.
Filed Sept. 10, 1948, Serial No. 564,968. Published Nov. 13, 1951. Class 24.

554,157. Petroleum Products and Derivatives—Namely, Fuel Oils, Gasoline, Lubricating Oils, Kerosene. Paragon Oil Company, Inc., Brooklyn, N. Y.
Filed Sept. 2, 1948, Serial No. 565,299. Published Sept. 11, 1951. Class 15.

554,158. Rubber Toys for Dogs and Cats, Such as Balls, Bones, Hot Dogs. Harry M. Dorn, New York, N. Y.
Filed Oct. 20, 1948, Serial No. 567,242. Published Oct. 23, 1951. Class 22.

554,159. Casting Rods. It Products, Inc., Kansas City, Kans., now by change of name Phantom Products, Inc.
Filed Nov. 8, 1948, Serial No. 568,375. Published Oct. 30, 1951. Class 22.

554,160. Spiral Nails. Eastern States Farmers' Exchange, West Springfield, Mass.
Filed Nov. 24, 1948, Serial No. 569,363. Published Nov. 6, 1951. Class 13.

554,161. Film, Rod, Tubing, Tape, and Sheet, Formed of Resinous Plastic Materials for General Use in the Industrial Arts, But Not Including Shoe Soling Material. Plax Corporation, West Hartford, Conn.
Filed Jan. 13, 1949, Serial No. 572,120. Published Oct. 23, 1951. Class 1.

554,162. Playing Cards and Card Games. Phalam International Agency, S. A., Habana, Cuba.
Filed Jan. 14, 1949, Serial No. 572,199. Published Oct. 16, 1951. Class 22.

554,163. Paint Brushes. Baker Brush Co., Inc., New York, N. Y.
Filed Jan. 28, 1949, Serial No. 574,270. Published Sept. 4, 1951. Class 29.

554,164. Turpentine. The Champion Paper and Fibre Company, Hamilton, Ohio.
Filed Mar. 4, 1949, Serial No. 574,894. Published Oct. 30, 1951. Class 16.

554,165. Insecticides and Agricultural Fungicides. Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia.
Filed Mar. 26, 1949, Serial No. 576,165. Published Nov. 6, 1951. Class 6.

554,166. Petroleum Products, To-Wit: Propane, Butane, and Similar Liquefied Petroleum Gases. Otto Gas, Incorporated, McCook, Nebr.
Filed Mar. 30, 1949, Serial No. 576,831. Published Oct. 16, 1951. Class 6.

554,167. V-Belts. Boston Woven Hose and Rubber Company, Cambridge, Mass.
Filed Apr. 19, 1949, Serial No. 577,362. Published Oct. 30, 1951. Class 35.

554,168. Tire Chains. Lloyd Chain Manufacturing Co., Maryville, Mo.
Filed Apr. 25, 1949, Serial No. 577,676. Published Nov. 6, 1951. Class 13.

554,169. Reactivating Cement Including Resin Solids in a Solvent To Be Applied to the Solids of a Heat Setting Cement and Used To Secure Parts Together by Setting the Cement. Chrysler Corporation, Highland Park, Mich.
Filed May 3, 1949, Serial No. 578,133. Published Oct. 16, 1951. Class 5.

554,170. General Cleaner, Brass and Silver Polishes, and Glass Cleaner. Colonial Chemical Co. Inc., Seattle, Wash.
Filed May 6, 1949, Serial No. 578,318. Published Oct. 23, 1951. Class 4.

554,171. Gifts Comprising Handmade Silver Jewelry for Personal Wear—Namely, Watch Chains, Cuff Links, Watch Bands, Bracelets, Lockets, and Pendants. Talent, Incorporated, Los Angeles, Calif.
Filed May 12, 1949, Serial No. 578,739. Published Oct. 30, 1951. Class 28.

554,172. Finger Rings. Eisenstadt Manufacturing Company, St. Louis, Mo.
Filed May 21, 1949, Serial No. 579,270. Published Oct. 30, 1951. Class 28.

554,173. Decorative Dolls. Phyllis Peters, Miami, Fla.
Filed June 2, 1949, Serial No. 579,887. Published Oct. 9, 1951. Class 22.

554,174. Sodium Salt of Dodecyl Benzene Sulfonate Which Is Used as a Detergent, Wetting Agent, Dye Assistant for Cotton, Rayon, Acetate Rayon, Wool, Silk and Other Natural and Synthetic Fibers; Also Used for Household Laundry, Floor, Furniture, Woodwork, Dishes, Porcelain, Wallpaper, and in Cleaning Compositions for Upholstery, Leather Gloves, Shoes, Automobiles, Windows, Windshields; in Hand Soaps and Scouring Powders. Jacques Wolf & Co., Clifton, N. J.
Filed June 8, 1949, Serial No. 580,162. Published Oct. 30, 1951. Class 52.

554,175. Liquid Adhesive Used as a Rejuvenator To Restore Adhesion to Adhesive Tapes. Edison Distributing Company, Inc., Detroit, Mich., assignor to Posees, Inc., Jersey City, N. J., a corporation of New Jersey.
Filed June 27, 1949, Serial No. 581,126. Published Oct. 16, 1951. Class 5.

554,176. Tooth Brushes for Children and Adults. Charles C. Davis, doing business as C. C. Davis Specialties, Cleveland, Ohio.
Filed June 29, 1949, Serial No. 581,253. Published Sept. 4, 1951. Class 29.

554,177. Mimeograph Inks, Mimeograph Protective Covers (Flexible Ink Impervious Sheets Used To Prevent Quick-Drying Mimeograph Inks From Setting on the Ink Pad of Idle Mimeograph Machines), and Mimeograph Ink Pads. A. B. Dick Company, Chicago, Ill.
Filed July 20, 1949, Serial No. 582,214. Published Sept. 18, 1951. Class 11.

554,178. Seals for Rotating Shafts. Gits Bros. Mfg. Co., Chicago, Ill.
Filed July 21, 1949, Serial No. 582,285. Published Oct. 30, 1951. Class 35.

554,179. Artificial Fish Baits. Lur-All Tackle and Manufacturing Company, Berkley, Mich.
Filed July 26, 1949, Serial No. 582,535. Published Nov. 6, 1951. Class 22.

554,180. Wrist Watch Bands, Wrist Watch Straps, and Wrist Watch Loops, Made of Leather, Cloth, Plastic, or Other Non-Metallic Material. Raymond E. Morman, doing business as M. & M. Leather Craft Co., Dallas, Tex.
Filed Aug. 22, 1949, Serial No. 583,811. Published Oct. 30, 1951. Class 28.

554,181. Shampoo Preparations; Liquid Hair Cleansers; Hair Shampoos; and Liquid Soap Shampoos. John H. Breck, Inc., Springfield, Mass.
Filed Sept. 2, 1949, Serial No. 584,383. Published Oct. 16, 1951. Class 52.

554,182. Unimpregnated Polishing, Cleaning, and Dusting Mitt. Harry C. Rippe, Mount Vernon, N. Y.
Filed Sept. 10, 1949, Serial No. 584,696. Published Sept. 4, 1951. Class 29.

554,183. Weatherstrip-Like Material, Rubber-Like in Character, Used as a Sealer for Doors and Windows. Chase Blum, doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Reading, Ohio.
Filed Sept. 14, 1949, Serial No. 584,791. Published Oct. 9, 1951. Class 12.

554,184. Shade Guides for Artificial Teeth. The Dentists' Supply Company of New York, New York, N. Y.
Filed Sept. 21, 1949, Serial No. 585,105. Published Oct. 16, 1951. Class 44.

554,185. Belt Buckles and Slides for Belts for Personal Wear, Etc. Hickok Manufacturing Co. Inc., Rochester, N. Y.
Filed Oct. 7, 1949, Serial No. 585,931. Published Oct. 30, 1951. Class 28.

554,186. Belt Buckles and Slides for Belts for Personal Wear, Etc. Hickok Manufacturing Co. Inc., Rochester, N. Y.
Filed Oct. 7, 1949, Serial No. 585,934. Published Oct. 30, 1951. Class 28.

554,187. Cheese; Grated Cheese; Etc. Kraft Foods Company, Chicago, Ill.
Filed Oct. 8, 1949, Serial No. 586,004. Published Oct. 30, 1951. Class 46.

554,188. Pearl Necklaces, Pearl Earrings, Pearl Bracelets, Pearl Brooches, and Strings of Pearls. Weinreich Brothers Company, New York, N. Y.
Filed Oct. 17, 1949, Serial No. 586,444. Published Oct. 30, 1951. Class 28.

554,189. Pearl Necklaces, Pearl Earrings, Pearl Brooches, Pearl Bracelets, and Settings of Pearls. Weinreich Brothers Company, New York, N. Y.
Filed Oct. 17, 1949, Serial No. 586,445. Published Oct. 30, 1951. Class 28.

554,190. Pearl Earrings, Pearl Necklaces, Pearl Brooches, Pearl Bracelets, and Strings of Pearls. Weinreich Brothers Company, New York, N. Y.
Filed Oct. 17, 1949, Serial No. 586,446. Published Oct. 30, 1951. Class 28.

554,191. Automatic Sprinkler Apparatus and Parts Thereof for Fire Protection Purposes—Namely, Automatic Sprinkler Valves, Wet Pipe Valves, Dry Pipe Valves, Pre-Action Valves, Deluge Valves, Sprinkler Heads, Exhausters for Venting Compressed Air From Dry Pipe Sprinkler Systems, and Alarm Valves for Indicating Operation of Sprinkler Systems. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio.
Filed Oct. 27, 1949, Serial No. 586,906. Published Nov. 6, 1951. Class 13.

554,192. Disc Made of Sound Deadening Material, Etc. Edward A. Mowll, San Francisco, Calif.
Filed Nov. 18, 1949, Serial No. 588,040. Published Nov. 13, 1951. Class 35.

554,193. Polishing Wax and Combination Coating and Polishing Wax. West Disinfecting Company, Long Island City, N. Y.
Filed Nov. 25, 1949, Serial No. 588,342. Published Nov. 6, 1951. Class 4.

554,194. Toilet Water, Cologne, Perfume, Bath Powder, Sachet, and Face Cream. Parfums Blanchard, New York, N. Y.
Filed Nov. 26, 1949, Serial No. 588,383. Published Oct. 16, 1951. Class 51.

554,195. Bottoms, Bases, and Inserts, Preferably of Wear Resisting and Wear Preventing Materials, Adapted To Be Attached to the Bases of Bowling Pins and Form a Part Thereof, and Bowling Pins. American Machine & Foundry Company, New York, N. Y.
Filed Dec. 2, 1949, Serial No. 588,673. Published Nov. 6, 1951. Class 22.

554,196. Fishing Rods, Fishing Reels, Etc. The Firelure Corporation, San Francisco, Calif.
Filed Dec. 12, 1949, Serial No. 589,206. Published Nov. 6, 1951. Class 22.

554,197. Therapeutic Appliances Adapted To Produce Suction, Aspiration, Irrigation, and Massage—Namely, Nasal Suction Pumps. Geraldine K. Berrisford, doing business as Dee Medical Supply Company, St. Paul, Minn.
Filed Dec. 19, 1949, Serial No. 589,556. Published Oct. 16, 1951. Class 44.

554,198. Matches. The Diamond Match Company, New York, N. Y.
Filed Dec. 20, 1949, Serial No. 589,646. Published Nov. 13, 1951. Class 9.

554,199. Clothespins. The Diamond Match Company, New York, N. Y.
Filed Dec. 20, 1949, Serial No. 589,647. Published Nov. 6, 1951. Class 24.

554,200. Indoor Board Games Which Simulate Football, Baseball, and Horse Racing. Tudor Metal Products Corp., Brooklyn, N. Y.
Filed Dec. 29, 1949, Serial No. 590,112. Published Nov. 6, 1951. Class 22.

554,201. Detergent for General Cleaning Purposes. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Jan. 3, 1950, Serial No. 590,477. Published Oct. 30, 1951. Class 52.

554,202. Artificial Fish Bait. Lur-All Tackle and Manufacturing Company, Berkeley and Royal Oak, Mich.
Filed Jan. 7, 1950, Serial No. 590,511. Published Nov. 6, 1951. Class 22.

554,203. Paint Pigment. The Firelure Corporation, San Francisco, Calif.
Filed Jan. 20, 1950, Serial No. 591,158. Published Nov. 6, 1951. Class 16.

554,204. Simulated Pearl Jewelry for Personal Wear Not Including Watches—Namely, Necklaces, Bracelets, Finger Rings, Earrings, Brooches. Philip Rand, Chicago, Ill.
Filed Jan. 21, 1950, Serial No. 591,255. Published Oct. 30, 1951. Class 28.

554,205. Liquid Cleaning Compound for Walls, Floors, Woodwork, Linoleum, and Exterior Surfaces of Houses and the Like. Andrew De Capio, doing business as Globe Cleaning Company, Mansfield, Ohio.
Filed Jan. 25, 1950, Serial No. 591,407. Published Oct. 30, 1951. Class 52.

554,206. Carbon Black To Be Used as a Pigment in Paints, Varnishes, and Lacquers. Godfrey L. Cabot, Inc., Boston, Mass.
Filed Feb. 11, 1950, Serial No. 592,300. Published Oct. 30, 1951. Class 16.

554,207. Inflatable Toys in Simulation of Animal Figures for Beach Use, Formed of Plastic Sheeting. Kestral Corporation, West Springfield, Mass.
Filed Feb. 14, 1950, Serial No. 592,430. Published Oct. 16, 1951. Class 22.

554,208. Laundry Washing Machines. Hyman D. Brotman, doing business as Brotman Engineering Company, Base Line, Mich.
Filed Feb. 18, 1950, Serial No. 592,697. Published Nov. 13, 1951. Class 24.

554,209. Game Played With Two Boards With Holes Therein, One Representing the Navy and One Representing the Air Force, and Pegs Placed in the Holes by the Player When Making So-Called "Shots." Robert J. Kerdasha, Woodcliff, N. J.
Filed Mar. 7, 1950, Serial No. 593,541. Published Nov. 6, 1951. Class 22.

554,210. Cohesive Latex in Sheet Form, Etc. Copeman Laboratories Company, Flint, Mich.
Filed Nov. 26, 1949, Serial No. 593,623. Published Oct. 9, 1951. Class 1.

554,211. Ready-Mixed Paints, Priming Paints and Finishing Paints, Enamels in the Nature of Paint, Varnishes, Lacquers, and Distemper Colours for Paint. Imperial Chemical Industries Limited, London and Millbank, London, England.
Filed Mar. 28, 1950, Serial No. 594,784. Published Oct. 30, 1951. Class 16.

554,212. Fishing Lines and Leaders, Strings for Tennis Racquets, Badminton Racquets, Squash Racquets, Propulsive Elements in the Nature of Motors for Toy Aeroplanes, Motor Cars, and Speed Boats. Imperial Chemical Industries Limited, London and Millbank, London, England.
Filed Mar. 28, 1950, Serial No. 594,788. Published Oct. 9, 1951. Class 22.

554,213. Pigmented Emulsion Printing Paste. Anders Chemical Corporation, East Rutherford, N. J., assignor to Alex F. W. Olze, doing business as Anders Chemical Company, East Rutherford, N. J.
Filed Apr. 11, 1950, Serial No. 595,528. Published Sept. 4, 1951. Class 11.

554,214. Fishing Rods. The Kitkast Co., Arlington, Va.
Filed Apr. 15, 1950, Serial No. 595,790. Published Oct. 16, 1951. Class 22.

554,215. Cleaning and Polishing Preparation for Metal Ware. Universal Western Chemical Corp., Chicago, Ill.
Filed Apr. 25, 1950, Serial No. 596,312. Published Oct. 16, 1951. Class 4.

554,216. Wallpaper Cleaner. Streator Canning Company, doing business under the name The Benner Co., Streator, Ill.
Filed May 6, 1950, Serial No. 597,024. Published Oct. 16, 1951. Class 52.

554,217. Wall Brushes, Stucco Brushes, Varnish Brushes, Etc. Hanlon & Goodman Co., Belleville, N. J.
Filed May 11, 1950, Serial No. 597,272. Published Oct. 30, 1951. Class 29.

554,218. Outdoor Games Played With Tethered Ball and Club. Jokari Corporation, New York, N. Y.
Filed May 12, 1950, Serial No. 597,338. Published Oct. 9, 1951. Class 22.

554,219. Shampoo. Melville Sahyun, doing business as Sahyun Laboratories, Santa Barbara, Calif.
Filed May 12, 1950, Serial No. 597,354. Published Nov. 6, 1951. Class 52.

554,220. Shampoo. Georgianna Jewell Chauvin, Webster, Mass., assignor to Consolidated Cosmetics, Chicago, Ill., a partnership.
Filed May 20, 1950, Serial No. 597,812. Published Nov. 6, 1951. Class 52.

554,221. Soft Compressed Magnetic Flake Material Used as Chokes, Transformers, Reactors, All Being Goods for Use in Electrical Apparatus and Instruments and in Wireless Apparatus. The Plessey Company Limited, Ilford and London, England.
Filed May 22, 1950, Serial No. 597,901. Published Nov. 13, 1951. Class 21.

554,222. Rouge and Creme Makeup Base. Richard Hudnut, New York, N. Y.
Filed May 23, 1950, Serial No. 597,959. Published Sept. 11, 1951. Class 51.

554,223. Belt Buckles and Slides for Personal Wear, Etc. Hickok Manufacturing Co. Inc., Rochester, N. Y.
Filed May 24, 1950, Serial No. 598,015. Published Oct. 30, 1951. Class 28.

554,224. Face and Hand Lotions, Creams, Powder, and Rouge in Kit Outfits. John N. McMath Co., doing business as Lloyd Sargent, New Rochelle and New York, N. Y.
Filed June 6, 1950, Serial No. 598,663. Published Sept. 11, 1951. Class 51.

554,225. Lubricating Oil. Sun Oil Company, Philadelphia, Pa.
Filed June 6, 1950, Serial No. 598,690. Published Sept. 11, 1951. Class 15.

554,226. Wheeled Pull Toys. Childlore Company, North Kansas City, Mo.
Filed June 8, 1950, Serial No. 598,783. Published Nov. 6, 1951. Class 22.

554,227. Lubricating Oils. Union Oil Company of California, Los Angeles, Calif.
Filed June 8, 1950, Serial No. 598,819. Published Oct. 16, 1951. Class 15.

554,228. Liquid Paints Including Enamels. Seymour of Sycamore, Inc., Sycamore, Ill.
Filed June 13, 1950, Serial No. 599,025. Published Oct. 30, 1951. Class 16.

554,229. Hydrocarbon Diesel Fuels. The Robert T. Pollock Corporation, New York, N. Y.
Filed July 13, 1950, Serial No. 600,616. Published Oct. 16, 1951. Class 15.

554,230. Chemical Cleaner for Masonry, Concrete, Brick, Tile, and Other Hard Surfaces. Ernest C. Schlesser, doing business as E and F Sales Co., Peninsula, Ohio.
Filed July 17, 1950, Serial No. 600,789. Published Oct. 16, 1951. Class 52.

554,231. Soap and Shampoo. Marcelle Cosmetics, Inc., Chicago, Ill.
Filed July 21, 1950, Serial No. 601,056. Published Oct. 16, 1951. Class 52.

554,232. Steel Wool Especially for Bowling Alley Use. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed July 29, 1950, Serial No. 601,422. Published Oct. 16, 1951. Class 4.

554,233. Waxes—Namely, Ceresin and Ozokerite. S. B. Penick & Company, New York, N. Y.
Filed July 28, 1950, Serial No. 601,525. Published Oct. 16, 1951. Class 15.

554,234. Liquid Glue. Armour and Company, Chicago, Ill.
Filed Aug. 4, 1950, Serial No. 601,705. Published Oct. 16, 1951. Class 5.

554,235. Fishing Rods. Langley Corporation, San Diego, Calif.
Filed Aug. 11, 1950, Serial No. 602,097. Published Nov. 6, 1951. Class 22.

554,236. Card Game. Joseph H. Kerr, doing business as Quota Games, Lewisburg, Pa.
Filed Aug. 14, 1950, Serial No. 602,155. Published Nov. 6, 1951. Class 22.

554,237. Toilet Seats. Plastics Engineering Company, Sheboygan, Wis.
Filed Aug. 17, 1950, Serial No. 602,334. Published Nov. 6, 1951. Class 13.

554,238. Lubricating Oils and Fuel Oil. Consumers Oil Company, New York, N. Y.
Filed Aug. 28, 1950, Serial No. 602,826. Published Sept. 11, 1951. Class 15.

554,239. Miniature or Toy Seed Testers. L. H. Carufel Co., Bismarck, N. Dak.
Filed Aug. 31, 1950, Serial No. 602,999. Published Oct. 16, 1951. Class 22.

554,240. Paint Roller. King Paint Roller, Inc., Detroit, Mich.
Filed Sept. 1, 1950, Serial No. 603,067. Published Nov. 13, 1951. Class 29.

554,241. Soluble Color Pigments for Use in Coloring Paint. New England Paint Works, Inc., Goffstown, N. H.
Filed Sept. 20, 1950, Serial No. 603,809. Published Oct. 30, 1951. Class 16.

554,242. Toilet Seats. Plastics Engineering Company, Sheboygan, Wis.
Filed Aug. 17, 1950, Serial No. 604,610. Published Nov. 6, 1951. Class 13.

554,243. Paints in Paste and Ready-Mixed Form, Waterproofing Paints, Etc. The Farboil Company, Baltimore, Md.
Filed Oct. 26, 1950, Serial No. 605,513. Published Oct. 30, 1951. Class 16.

554,244. Toothbrushes. Williams Brush Company, Inc., New York, N. Y.
Filed Nov. 6, 1950, Serial No. 605,977. Published Sept. 4, 1951. Class 29.

554,245. Squeegee. Warren & Staggers, Adairville, Ky.
Filed Nov. 8, 1950, Serial No. 606,095. Published Sept. 4, 1951. Class 29.

554,246. Toilet Bowl Cleaner. Service Industries, Philadelphia, Pa.
Filed Nov. 16, 1950, Serial No. 606,495. Published Oct. 30, 1951. Class 52.

554,247. Rubber Tires for Vehicles. United States Rubber Company, New York, N. Y.
Filed Nov. 18, 1950, Serial No. 606,638. Published Oct. 30, 1951. Class 35.

554,248. Broom, Mop, Sweeper, and Brush Handles. White Wood Products Co., Inc., Bogalusa, La.
Filed Nov. 22, 1950, Serial No. 606,832. Published Sept. 4, 1951. Class 29.

554,249. Real and Costume Jewelry and Jewelers' Findings—Namely, Necklaces, Earrings, Ear Wires, Bracelets, Brooches, Expansion Bands, Cuff Links, Tie Slides, Collar Pins and Finger Rings, Etc. Parco Mfg., Inc., Providence, R. I.
Filed Nov. 24, 1950, Serial No. 606,894. Published Oct. 30, 1951. Class 28.

554,250. Articles of Jewelry for Personal Wear and Adornment Not Including Watches, Etc. Taunton Pearl Works, Taunton, Mass.
Filed Nov. 27, 1950, Serial No. 606,988. Published Oct. 30, 1951. Class 28.

554,251. Ready Mixed Oil Paint. New Method Paint Co., Kansas City, Mo.
Filed Dec. 9, 1950, Serial No. 607,507. Published Nov. 6, 1951. Class 16.

554,252. Ironing Board Pads and Covers. David Lehrman, trading as The Ironees Company, Philadelphia, Pa.
Filed Dec. 12, 1950, Serial No. 607,593. Published Nov. 13, 1951. Class 24.

554,253. Drug of Steriodal Nature. Schering Corporation, Bloomfield, N. J.
Filed Dec. 14, 1950, Serial No. 607,686. Published Oct. 16, 1951. Class 18.

554,254. Bacteria Culture Medium Disposed in a Sterile Container and Intended for Use in Determining Quantitatively the Bacterial Population on a Chosen Surface. Mathew Klein, doing business as Garden State Dairy Laboratory, Irvington, N. J.
Filed Dec. 22, 1950, Serial No. 608,007. Published Oct. 30, 1951. Class 6.

554,255. Bracelets and Watch Bracelets Sold Separately From the Watches. Jacoby-Bender, Incl, New York, N. Y.
Filed Dec. 23, 1950, Serial No. 608,041. Published Oct. 30, 1951. Class 28.

554,256. Antiseptic and Disinfecting Agent for Surface Antisepsis. Cetylite Industries, Inc., New York and Long Island City, N. Y.
Filed Dec. 30, 1950, Serial No. 608,238. Published Oct. 9, 1951. Class 18.

554,257. Ready Mixed Paints. The Patterson-Sargent Company, Cleveland, Ohio.
Filed Jan. 4, 1951, Serial No. 608,370. Published Oct. 30, 1951. Class 16.

554,258. Piston Rings. Perfect Circle Corporation, Hagerstown, Ind.
Filed Jan. 8, 1951, Serial No. 608,511. Published Oct. 30, 1951. Class 35.

554,259. Enamel Coatings. Deere & Company, Moline, Ill.
Filed Jan. 10, 1951, Serial No. 608,592. Published Oct. 30, 1951. Class 16.

554,260. Gold and Platinum Jewelry—Namely, Finger Rings. Skalet Manufacturing Co. Inc., New York, N. Y.
Filed Jan. 12, 1951, Serial No. 608,720. Published Oct. 30, 1951. Class 28.

554,261. Ink for Use With Porous Rubber Marking Stamps. The National Cash Register Company, Dayton, Ohio.
Filed Jan. 17, 1951, Serial No. 608,885. Published Nov. 13, 1951. Class 11.

554,262. Ink for Use With Porous Rubber Marking Stamps. The National Cash Register Company, Dayton, Ohio.
Filed Jan. 17, 1951, Serial No. 608,886. Published Nov. 13, 1951. Class 11.

554,263. Ink for Use With Porous Rubber Marking Stamps. The National Cash Register Company, Dayton, Ohio.
Filed Jan. 17, 1951, Serial No. 608,887. Published Nov. 13, 1951. Class 11.

554,264. Retarder of Prevulcanization in the Vulcanizing of Rubbers. Chemico, Inc., Cuyahoga Falls, Ohio.
Filed Jan. 22, 1951, Serial No. 609,075. Published Oct. 30, 1951. Class 6.

554,265. Polyvalent Vaccine Consisting of Bacteriological Proteins for the Treatment of Rheumatism. G. Streuli & Co., Uznach, Switzerland.
Filed Jan. 22, 1951, Serial No. 609,108. Published Oct. 16, 1951. Class 18.

554,266. Eyebrow Brushes and Mascara Brushes. Maybelline Co., Chicago, Ill.
Filed Jan. 25, 1951, Serial No. 609,247. Published Oct. 30, 1951. Class 29.

554,267. Electric Roll-Type Ironers for Home Use. Empire Ironer, Inc., Cincinnati, Ohio.
Filed Jan. 26, 1951, Serial No. 609,287. Published Nov. 13, 1951. Class 24.

554,268. Painting Powder for Use in Direct Hand-Method Painting. Binney & Smith Company, New York, N. Y.
Filed Jan. 29, 1951, Serial No. 609,356. Published Oct. 30, 1951. Class 16.

554,269. Pharmaceutical Preparation for Use as a General Analgesic, Etc. The Panray Corp., New York, N. Y.
Filed Jan. 29, 1951, Serial No. 609,376. Published Oct. 16, 1951. Class 18.

554,270. Matches. Björneborgs Tändsticksfabriks Aktiebolag, Pori, Finland.
Filed Feb. 1, 1951, Serial No. 609,472. Published Oct. 30, 1951. Class 9.

554,271. Preparation for Killing Weeds and Destroying Vermin, Rodenticides, and Disinfectants. Geigy Company, Inc., New York, N. Y.
Filed Feb. 2, 1951, Serial No. 609,546. Published Oct. 30, 1951. Class 6.

554,272. Silver Plated Table Ware Consisting of Flatware and Hollow-Ware. The International Silver Company, Meriden, Conn.
Filed Feb. 3, 1951, Serial No. 609,594. Published Oct. 30, 1951. Class 28.

554,273. Liquid Paint and Varnish Remover. Golden Bear Products, Inc., Beverly Hills, Calif.
Filed Feb. 5, 1951, Serial No. 609,643. Published Nov. 6, 1951. Class 16.

554,274. Deodorant and Disinfectant. Undertakers Supply Co., Chicago, Ill.
Filed Feb. 8, 1951, Serial No. 609,822. Published Oct. 30, 1951. Class 6.

554,275. Embalming Fluid. Undertakers Supply Co., Chicago, Ill.
Filed Feb. 8, 1951, Serial No. 609,823. Published Oct. 30, 1951. Class 6.

554,276. Plating Solutions. Ward Leonard Electric Company, Mount Vernon, N. Y.
Filed Feb. 8, 1951, Serial No. 609,825. Published Oct. 30, 1951. Class 6.

554,277. Calcium Carbonate for Use in Treating and Conditioning of Water. Culligan Zeolite Company, Northbrook, Ill.
Filed Feb. 9, 1951, Serial No. 609,847. Published Oct. 30, 1951. Class 6.

554,278. Semi-Pneumatic Rubber Tires for Agricultural Implements. The Ohio Rubber Company, Willoughby, Ohio.
Filed Feb. 9, 1951, Serial No. 609,878. Published Nov. 13, 1951. Class 35.

554,279. Floating Water Toys of Various Design, Shape, and Form Made of Wood, Fabric, Rubber, Plastic, and Metal. R & F Co. Inc., New York, N. Y.
Filed Feb. 10, 1951, Serial No. 609,945. Published Nov. 6, 1951. Class 22.

554,280. Insecticides. Virginia Smelting Company, West Norfolk, Va.
Filed Feb. 12, 1951, Serial No. 609,990. Published Oct. 30, 1951. Class 6.

554,281. Plastic Lacquer Spray Used as a Protective Coating To Seal Against Moisture, Dirt, Oil, and Other Contaminating Substances. Western Lithograph Company, doing business as Westline Products Division, Los Angeles, Calif.
Filed Feb. 12, 1951, Serial No. 609,991. Published Oct. 30, 1951. Class 16.

554,282. Oral Vasopressor. Winthrop-Stearns Inc., New York, N. Y.
Filed Feb. 13, 1951, Serial No. 610,039. Published Oct. 16, 1951. Class 18.

554,283. Ladies' Hair Brushes. Simon Greenblatt & Son, Inc., New York, N. Y.
Filed Feb. 14, 1951, Serial No. 610,060. Published Oct. 30, 1951. Class 29.

554,284. Ladies' Hair Brushes. Simon Greenblatt & Son, Inc., New York, N. Y.
Filed Feb. 14, 1951, Serial No. 610,061. Published Oct. 30, 1951. Class 29.

554,285. Vitamin Tablets Containing Vitamins B-12 and Folic Acid. Neoco Corporation, Los Angeles, Calif.
Filed Feb. 16, 1951, Serial No. 610,184. Published Oct. 16, 1951. Class 18.

554,286. Enamel. F. O. Pierce Company, Long Island City, N. Y.
Filed Feb. 20, 1951, Serial No. 610,336. Published Nov. 13, 1951. Class 16.

554,287. Sedative Medicine. Abraham G. Horowitz, doing business as Harwood Pharmacal Company, Newark, N. J.
Filed Feb. 23, 1951, Serial No. 610,444. Published Oct. 16, 1951. Class 18.

554,288. Organic Fertilizers With Plant Foods Composted From Vegetable Matter With Soil Bacteria. Compost Corporation of America, Oakland, Calif.
Filed Mar. 8, 1951, Serial No. 611,019. Published Nov. 6, 1951. Class 10.

554,289. Prepared Shellac, Otherwise Known as Shellac Varnish. James B. Day & Co., Chicago, Ill.
Filed Mar. 29, 1951, Serial No. 611,944. Published Nov. 6, 1951. Class 16.

554,290. Electrical Apparatus—Namely, Conduit Fittings, Fixture Hangers, Etc. The Pyle-National Company, Chicago, Ill.
Filed Apr. 12, 1951, Serial No. 612,557. Published Oct. 30, 1951. Class 21.

554,291. Stuffed Toy Animals and Stuffed Dolls. Ideal Toy Corporation, Hollis, N. Y.
Filed Apr. 13, 1951, Serial No. 612,616. Published Nov. 6, 1951. Class 22.

554,292. Electrical Condensers and Contacts or Breaker Points. Springfield Electrical Specialties, Inc., New York, N. Y.
Filed June 16, 1951, Serial No. 615,294. Published Nov. 13, 1951. Class 21.

554,293. Automatic Baseball Pitching Machines. Automatic Baseball Equipment Corporation, Baltimore, Md.
Filed July 25, 1951, Serial No. 616,891. Published Nov. 6, 1951. Class 22.

554,294. Electrical Goods—Namely, Phone Jacks, Phone Plugs, Rotary Switches, Push Button Switches, Stack Switches, Switch Assemblies, and Parts Therefor. Switchcraft, Inc., Chicago, Ill.
Filed Aug. 11, 1951, Serial No. 617,591. Published Nov. 6, 1951. Class 21.

Service Marks

554,295. Inspection, Adjustment, Repair, and Rebuilding of Automotive Parts and Accessories, Electric Motors, and Radio and Television Receiving Sets. General Motors Corporation, Detroit, Mich.
Filed Mar. 22, 1948, Serial No. 552,648. Published Nov. 6, 1951. Class 103.

554,296. Radio Program Broadcasting Services. Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Indianapolis, Ind.
Filed Sept. 17, 1948, Serial No. 565,396. Published Nov. 6, 1951. Class 104.

554,297. Entertainment Service Rendered Through the Medium of a Radio Broadcast Program of Recorded Music. Thomas H. Ahrens, New York, N. Y.
Filed Mar. 20, 1950, Serial No. 594,242. Published Nov. 6, 1951. Class 107.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

554,298. (Class 46. Foods and Ingredients of Foods.) Erie County Frosted Foods and Canning Corporation, Angola, N. Y. Original filed, act of 1905, June 26, 1947; amended to application under act of 1946, Supplemental Register, Nov. 1, 1948, Serial No. 524,868.

PRIDE OF EVANS

For Canned Vegetables, Canned Berries, Tomato Ketchup and Chili Sauce.
Claims use since May 1, 1947.

554,299. (Class 26. Measuring and Scientific Appliances.) Bacharach Industrial Instrument Company, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, May 21, 1948; amended to application, Supplemental Register, June 2, 1950, Serial No. 557,490.

MOTORITE

For Engine Compression Gauges.
Claims use since March 1948.

554,300. (Class 16. Paints and Painters' Materials.) Pabco Products Inc., San Francisco, Calif., by change of name from The Paraffine Companies, Inc. Original filed, act of 1946, Principal Register, June 5, 1948; amended to application, Supplemental Register, Feb. 12, 1951, Serial No. 558,584.

Coloroof

For Ready Mixed Paint Particularly Adapted for Use on Mineral-Surfaced Roofing and Shingles and on Brick or Metallic Surfaces.
Claims use since August 1947.

554,301. (Class 22. Games, Toys, and Sporting Goods.) James Edwin McConnell, Hollywood, Calif. Original filed, act of 1946, Principal Register, July 16, 1948; amended to application, Supplemental Register, June 28, 1951, Serial No. 561,574.

Froggy The Gremlin

For Toy Doll.
Claims use since June 17, 1948.

554,302. (Class 26. Measuring and Scientific Appliances.) Staples and McCrory, Alhambra, Calif. Original filed, act of 1946, Principal Register, Nov. 4, 1948; amended to application, Supplemental Register, Mar. 31, 1951, Serial No. 568,220.

ROLATAPE

For Measuring Wheels Each of Which Consists of a Wheel, a Handle for Propelling the Wheel Over a Surface To Be Measured and Indicating Means Operated by the Wheel To Show Lineal Measurements According to the Distance Travelled by the Wheel.
Claims use since Aug. 15, 1947.

554,303. (Class 22. Games, Toys, and Sporting Goods.) South Bend Bait Company, South Bend, Ind. Original filed, act of 1946, Principal Register, Jan. 18, 1949; amended to application, Supplemental Register, Oct. 27, 1951, Serial No. 572,384.

Presto-Lock Rod

For Fishing Rods, and More Particularly Bait Casting Rods.
Claims use since Dec. 22, 1948.

554,304. (Class 6. Chemicals and Chemical Compositions.) Economic Products, Inc., Newark, N. J., formerly Economic Hand Soap, Incorporated. Original filed, act of 1946, Principal Register, Jan. 27, 1949; amended to application, Supplemental Register, Nov. 30, 1951, Serial No. 572,894.



For Tool Cooling Liquid.
Claims use since November 1948.

554,305. (Class 14. Metals and Metal Castings and Forgings.) Rupert Diecasting Company, Kansas City, Mo. Original filed, act of 1946, Principal Register, June 13, 1949; amended to application, Supplemental Register, Oct. 4, 1951, Serial No. 580,379.

PRESSURE-PAC

For Aluminum Diecastings.
Claims use since May 1, 1948.

554,306. (Class 14. Metals and Metal Castings and Forgings.) Mechanite Metal Corporation, Chattanooga, Tenn., and New Rochelle, N. Y. Original filed, act of 1946, Principal Register, Sept. 27, 1949; amended to application, Supplemental Register, Aug. 7, 1951, Serial No. 585,388.

DUCTLIRON

For Rough and Partly Finished Castings Made of Iron and Iron Alloys
Claims use since Sept. 16, 1949.

554,307. (Class 22. Games, Toys, and Sporting Goods.) Educational Toys, Inc., Newark, N. J. Original filed, act of 1946, Principal Register, Nov. 30, 1949; amended to application, Supplemental Register, Dec. 1, 1950, Serial No. 588,565.

Party Puzzles

For Games Played With Movable Pieces of the Jigsaw Puzzle Type.
Claims use since Nov. 9, 1949.

554,308. (Class 22. Games, Toys, and Sporting Goods.) Echelon Company, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Jan. 4, 1950; amended to application, Supplemental Register, Nov. 24, 1951, Serial No. 590,306.

MAKING FACES

For Games Comprising Pieces Which Are Arranged To Form Pictures.
Claims use since Sept. 9, 1949.

554,309. (Class 34. Heating, Lighting, and Ventilating Apparatus.) International Sales Company, San Francisco, Calif. Original filed, act of 1946, Principal Register, Feb. 17, 1950; amended to application, Supplemental Register, Nov. 5, 1951, Serial No. 592,633.

SLIM

For Gas Furnaces.
Claims use since Feb. 3, 1950.

554,310. (Class 34. Heating, Lighting, and Ventilating Apparatus.) The Williamson Heater Company, Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Mar. 9, 1950; amended to application, Supplemental Register, Feb. 23, 1951, Serial No. 593,700.

"Heat to your heart's content"

For Gas, Oil and Coal Fired Warm Air Furnaces.
Claims use since Jan. 15, 1950.

554,311. (Class 34. Heating, Lighting, and Ventilating Apparatus.) Fasco Industries, Inc., Rochester, N. Y. Original filed, act of 1946, Principal Register, May 22, 1950; amended to application, Supplemental Register, Nov. 7, 1951, Serial No. 597,878.

Ceil-N-Wall

For Forced Draft Ventilators, Ventilating Blowers, and Parts Thereof.
Claims use since Mar. 21, 1950.

TRADE-MARK REGISTRATIONS RENEWED

37,922. CARDINAL. Registered Mar. 11, 1902. Richard Hudnut. Re-renewed Mar. 11, 1952, to Richard Hudnut, New York, N. Y., a corporation of New York. Perfumes—Such as Extracts, Toilet Waters, and Sachets. Class 51.

82,950. REPRESENTATION OF ARMORED KNIGHT AND HORSE. Registered Aug. 8, 1911. E. C. Atkins and Company, Indianapolis, Ind., a corporation of Indiana. Re-renewed Aug. 8, 1951. Saws of All Kinds. Class 23.

83,795. "W W W" AND REPRESENTATION OF TRIANGLE AND SPIDER WEB. Registered Oct. 10, 1911. The Webb Wire Works, New Brunswick, N. J. Re-renewed Oct. 10, 1951, to The Carpenter Steel Company, Reading, Pa., a corporation of New Jersey. Wire. Class 14.

83,874. JELLOIDS. Registered Oct. 17, 1911. Frederic Walmsley Warrick, London, England. Re-renewed Oct. 17, 1951, to Eno-Scott & Bowne, Bloomfield, N. J., a corporation of New Jersey. Capsules, Pills, and Medicated Jujubes. Class 18.

84,129. "NONSPI" WITHIN DIAMOND DESIGN. Registered Nov. 7, 1911. The R. L. Company, Kansas City, Mo. Re-renewed Nov. 7, 1951, to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware. Antiseptic Liquid for Preventing Perspiration Under the Arms. Class 51.

84,196. "STAR W. C. CO." AND DESIGN. Registered Nov. 14, 1911. Star Watch Case Company, Ludington, Mich., a corporation of Michigan. Re-renewed Nov. 14, 1951. Watch Cases. Class 27.

84,811. LADY BETTY. Registered Jan. 9, 1912. Paul F. Beich Company, Bloomington, Ill., a corporation of Illinois. Re-renewed Jan. 9, 1952. Confections and Chocolates. Class 46.

85,531. REPRESENTATION OF FEMALE FIGURE ETC. Registered Feb. 20, 1912. The West End Brewing Co., Utica, N. Y., a corporation of New York. Re-renewed Feb. 20, 1952. Beer, Ale, Porter, Half and Half and Brown Stout. Class 48.

85,666. MANISCHEWITZ. Registered Mar. 5, 1912. Behr Manischewitz, Cincinnati, Ohio. Re-renewed Mar. 5, 1952, to The B. Manischewitz Company, Jersey City, N. J., and Cincinnati, Ohio, a corporation of Ohio. Matzos, Being Flat Squares of Unleavened Bread. Class 46.

85,690. EDUCATOR. Registered Mar. 5, 1912. Sylvanus Smith & Co., Inc. Re-renewed Mar. 5, 1952, to Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass., a corporation of Massachusetts. Salted, Smoked, Pickled, and Canned Fish—To Wit, Salted Cod-Fish, Etc. Class 46.

85,927. APEX. Registered Mar. 26, 1912. Upland Citrus Ass'n. Re-renewed Mar. 26, 1952, to Upland Citrus Association, Upland, Calif., a corporation of California. Oranges. Class 46.

278,618. "WHITE ROSE LIME" AND DRAWING LINED FOR BLUE. Registered Dec. 23, 1930. Saginaw Lime & Stone Co., Saginaw, Ala. Renewed Dec. 23, 1950, to Longview Lime Corporation, Birmingham, Ala., a corporation of Delaware. Lime. Class 12.

279,811. LONGVIEW LIME. Registered Jan. 27, 1931. Longview Lime Works, Longview, Ala. Renewed Jan. 27, 1951, to Longview Lime Corporation, Birmingham, Ala., a corporation of Delaware. Lime. Class 12.

281,149. "SPEED QUEEN" AND DESIGN. Registered Mar. 10, 1931. Barlow & Seelig Mfg. Co. Renewed Mar. 10, 1951, to Speed Queen Corporation, Ripon, Wis., a corporation of Delaware. Laundry Washing Machines. Class 24.

282,020. REPRESENTATION OF RED DISC APPLIED TO BASE OF WASHER. Registered Apr. 7, 1931. Charles F. Hause. Renewed Apr. 7, 1951, to Mildred Berniece Hause, sole residuary legatee under the last will and testament of Charles F. Hause, deceased, Los Angeles, Calif. Nonmetallic Washers, Faucet Cushions, and Nonmetallic Bibb Washers. Class 35.

285,133. ANNIPED. Registered July 14, 1931. A. De Pinna Co., Inc., New York, N. Y., a corporation of New York. Renewed July 14, 1951. Shoes, Boots and Slippers of Leather, Canvas, or Rubber and Combinations Thereof. Class 39.

287,517. EN AVION. Registered Sept. 29, 1931. E. Daltroff & Cie., doing business as Parfumerie Caron, Paris, France. Renewed Sept. 29, 1951, to Caron Corporation, New York, N. Y., a corporation of New York. Perfumery—Namely, Extracts, Toilet Waters, Etc. Class 51.

287,718. SOBASO. Registered Oct. 6, 1931. Standard Oil Company of New Jersey, Wilmington, Del. Renewed Oct. 6, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Lubricating Oil. Class 15.

287,823. WOLVO. Registered Oct. 13, 1931. Wolverine Brass Works, Grand Rapids, Mich., a corporation of Michigan. Renewed Oct. 13, 1951. Moulded Rubber Valve Ball Which Is Used in Water Closet Tanks. Class 13.

287,847. CLEARWATER. Registered Oct. 13, 1931. The May Department Stores Company, St. Louis, Mo., a corporation of New York. Renewed Oct. 13, 1951. Dress and Negligee Shirts. Class 39.

288,179. RED MAN. Registered Oct. 20, 1931. United States Rubber Company, New York, N. Y., a corporation of New Jersey. Renewed Oct. 20, 1951. Belting, Hose, and Packing Composed of Rubber and Fabric. Class 35.

288,192. METAGRAD. Registered Oct. 20, 1931. Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey. Renewed Oct. 20, 1951. Surveyors' Leveling Rods. Class 26.

288,278. MADURO. Registered Oct. 20, 1931. Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey. Renewed Oct. 20, 1951. Brown-Print Papers and Cloths. Class 26.

288,384. DEGUSSA STANDALLOY. Registered Oct. 27, 1931. Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Oct. 27, 1951. Silver Alloys for Dental Use. Class 44.

288,385. DEGUSSA N-AMALGAM 670. Registered Oct. 27, 1931. Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Oct. 27, 1951. Silver Alloys for Dental Use. Class 44.

288,386. OPTIDOSAN. Registered Oct. 27, 1931. Deutsche Gold- under Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Oct. 27, 1951. Mercury and for Noble Metal Alloys—Namely, Those of Silver, Gold, and Platinum, All of Such Metals and Alloys Being for Dental Use. Class 44.

288,570. AIRCO SPEEDWELD. Registered Nov. 3, 1931. Air Reduction Sales Company. Renewed Nov. 3, 1951, to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York. Welding Rods. Class 14.

288,670. LAUREX. Registered Nov. 3, 1931. The Naugatuck Chemical Company. Renewed Nov. 3, 1951, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Unrefined Zinc Laurate Useful as an Accelerator in the Vulcanization of Rubber. Class 6.

288,678. INSTANTO. Registered Nov. 3, 1931. N. V. Chemische Fabriek "Rotterdam," Rotterdam, Netherlands. Renewed Nov. 3, 1951, to Adrianus Kleijn, trading as Chefaro Chemische Fabriek "Rotterdam," Rotterdam-West, Netherlands. Chemical Products for Bleaching and Improving the Baking Qualities of Flour, Meal, and Other Mill Products. Class 6.

289,056. SATONE. Registered Nov. 17, 1931. The Patterson-Sargent Company, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 17, 1951. Dry and Ready Mixed Paints, Varnishes, Paint-Enamels, Stains, Lacquers, and Varnishes. Class 16.

289,154. EVER-THERE. Registered Nov. 17, 1931. Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey. Renewed Nov. 17, 1951. Slide Rules. Class 26.

289,657. SOLLO. Registered Dec. 1, 1931. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Renewed Dec. 1, 1951, to The May Department Stores Company, St. Louis, Mo., a corporation of New York. Cleaning Fluid—Namely, a Dry Cleaning Preparation. Class 52.

289,954. BEUTENE. Registered Dec. 15, 1931. The Naugatuck Chemical Company. Renewed Dec. 15, 1951, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Condensation Product of Butyraldehyde and Aniline. Class 1.

289,955. HEPTEEN BASE. Registered Dec. 15, 1931. The Naugatuck Chemical Company. Renewed Dec. 15, 1951, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Condensation Product of Heptaldehyde and Aniline. Class 1.

289,956. KOTO. Registered Dec. 15, 1931. Stanco Incorporated, New York, N. Y., and Wilmington, Del. Renewed Dec. 15, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Lubricating Oils. Class 15.

290,030. HEPTEEN. Registered Dec. 22, 1931. The Naugatuck Chemical Company. Renewed Dec. 22, 1951, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Mixture of Oil and a Condensation Product of Heptaldehyde and Aniline Useful as an Accelerator in the Vulcanization of Rubber. Class 6.

290,104. "FLIT" ETC. AND DRAWING LINED FOR RED, YELLOW, AND BLACK. Registered Dec. 22, 1931. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Dec. 22, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Insect Repellent. Class 6.

290,647. ADONIS CALF. Registered Jan. 12, 1932. B. D. Eisendrath Tanning Co., Chicago, Ill., a corporation of Illinois. Renewed Jan. 12, 1952. Tanned Leather, and in Particular for Tanned Calf Skin. Class 1.

291,005. ARCADIA. Registered Jan. 26, 1932. Charles C. Davis and Company. Renewed Jan. 26, 1952, to Charles C. Davis and Company, Chicago, Ill., a corporation of Illinois. Cotton Piece Goods. Class 42.

291,021. NU BALLO. Registered Jan. 26, 1932. The Manhattan Shirt Company, New York, N. Y., a corporation of New York. Renewed Jan. 26, 1952. Negligee Shirts, Dress Shirts, Sport Shirts, Textile Underwear and Pajamas. Class 39.

291,134. KAPSEALS. Registered Jan. 26, 1932. Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. Renewed Jan. 26, 1952. Digitalis and Iron Citrate and Copper Nucleate. Class 18.

291,303. COLLOIDAROME. Registered Feb. 9, 1932. Newport Chemical Works, Incorporated, Carrolliville, Wis. Renewed Feb. 9, 1952, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Perfumed Oils. Class 51.

291,323. "M D" AND PORTRAIT OF WOMAN. Registered Feb. 9, 1932. Pacific Coast Paper Mills. Renewed Feb. 9, 1952, to Pacific Coast Paper Mills of Washington, Inc., Bellingham, Wash., a corporation of Washington. Toilet Paper. Class 37.

291,445. COOK BOOK. Registered Feb. 9, 1932. Texaco Salt Products Company, New York, N. Y. Renewed Feb. 9, 1952, to The Barton Salt Company, Hutchinson, Kans., a corporation of Kansas. Salt. Class 46.

291,645. "PERM-STAY". Registered Feb. 23, 1932. Aero Neck Band & Collar Co. Inc., New York, N. Y., a corporation of New York. Renewed Feb. 23, 1952. Men's and Boys' Blouses, Collars, Shirts With Collars Attached. Class 39.

291,991. GATES VULCO. Registered Mar. 1, 1932. The Gates Rubber Company, Denver, Colo., a corporation of Colorado. Renewed Mar. 1, 1952. Automobile Fan and Generator Belts, Etc. Class 35.

291,997. "ICE-A-TERIA" AND DESIGN. Registered Mar. 1, 1932. Rudy Copeland. Renewed Mar. 1, 1952, to The Perfection Ice Scoring Machine Company, Fort Worth, Tex., a corporation of Texas. Portable Ice Vending Stations and Parts Thereof Comprising Ice Serving Mechanism and Appurtenances Thereto, Such as Reloading Mechanism, Etc. Class 23.

292,054. REPRESENTATION OF GREEK CHARACTERS (ALPHA PHI). Registered Mar. 1, 1932. Alpha Phi International Fraternity, Baltimore, Md. Renewed Mar. 1, 1952, to Alpha Phi International Fraternity, Evanston, Ill., a corporation of New York. Pins, Badges and Rings All Made of or Plated With Precious-Metal. Class 28.

292,115. EXCLUSIVLEY. Registered Mar. 1, 1932. Henry Becker & Son, Inc., Roseland, N. J., a corporation of New Jersey. Renewed Mar. 1, 1952. Milk and Cream, Butter, Eggs, Cheese, and Lard. Class 46.

292,142. MODERN MAGIC. Registered Mar. 1, 1932. Consolidated Machine Tool Corporation of America. Renewed Mar. 1, 1952, to Consolidated Machine Tool Corporation, Rochester, N. Y., a corporation of Delaware. Drill Chucks. Class 23.

292,374. SERV-O-SOAP. Registered Mar. 15, 1932. Hillyard Chemical Company, St. Joseph, Mo., a corporation of Missouri. Renewed Mar. 15, 1952. Gravity Liquid Soap Dispenser. Class 13.

292,388. FLEX-SET. Registered Mar. 15, 1932. Broderick & Bascom Rope Company, St. Louis, Mo., a corporation of Missouri. Renewed Mar. 15, 1952. Preformed Wire Rope. Class 7.

292,425. "DIAMOND" AND DIAMOND DESIGN. Registered Mar. 15, 1932. Diamond, McDonnell & Co. Renewed Mar. 15, 1952, to John P. Diamond, doing business as Diamond, McDonnell & Company, Philadelphia, Pa. Washing Blue. Class 6.

292,477. TRADITION. Registered Mar. 15, 1932. Marshall Field & Company, Chicago, Ill., a corporation of Illinois. Renewed Mar. 15, 1952. Secretaries, Chests, Desks, Beds, Sofas, Etc. Class 32.

292,625. SACK-O-BEST. Registered Mar. 22, 1932. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed Mar. 22, 1952. Wheat Flour. Class 46.

292,778. "RID-ZIT" ETC. AND DIAMOND DESIGN. Registered Mar. 29, 1932. The Odell Co. Inc., Newark, N. J., a corporation of New Jersey. Renewed Mar. 29, 1952. Treatment for Dandruff Applied as a Hair Tonic. Class 51.

292,858. MERCEROL. Registered Mar. 29, 1932. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Renewed Mar. 29, 1952. Chemical Products, Suitable as Assistants in the Mercerization of Cotton. Class 6.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

435,640. NORIT. Registered Jan. 6, 1948. N. V. Algemeene Norit Maatschappij, doing business as General Norit Company, Limited, Amsterdam, Netherlands, and Jacksonville, Fla. Active Carbon, Usually Treated Charred Organic Material To Be Used as an Absorbent or Adsorbent, Decolorizing and/or Deodorizing Agent and/or as an Aid in Filtering Liquids and/or for Filtering and Treating Air or Gases, Etc. Class 6. Corrected as follows: In the statement, column 1, line 15, "an" should be *and*; in the certificate, lines 4 and 5, "and Jacksonville, Florida," should be deleted; in the heading to the statement "and Jacksonville, Fla." should be deleted; and in the statement, column 2, line 16, after "company" *owns all the capital stock of American Norit Company, Inc., a Florida corporation, which* should be inserted. This certificate of correction supersedes the one issued Oct. 16, 1951.

538,256. SEMOXYDRIN. Registered Feb. 20, 1951. The S. E. Massengill Company, Bristol, Tenn. Pharmaceutical Preparation Containing Dextrodesoxyephedrine, and Which Is Indicated for Elimination of Fatigue, Etc. Class 18. The drawing is hereby amended to appear as follows:

SEMOXYDRINE

549,015. MARCELLE. Registered Oct. 2, 1951. Marcelle Cosmetics, Inc., Chicago, Ill. Face Powder, Dusting Powder, Talcum Powder, Etc. Class 51. Corrected as follows: In the statement, first column, line 10, in the merchandise, for "VARNISHING CREAM" read *VANISHING CREAM*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

340,201. PERMALAWN. Registered Nov. 3, 1936. Caldwell Seed Company. Fertilizers. Class 10. New certificate under section 7(c) issued Jan. 29, 1952, to R. C. Fonder, doing business as Permalawn Products Co., Evanston, Ill.

341,084. PERMALAWN. Registered Dec. 1, 1936. Caldwell Seed Company. Lawn Seed. Class 1. New certificate under section 7(c) issued Jan. 29, 1952, to R. C. Fonder, doing business as Permalawn Products Co., Evanston, Ill.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 105,426. Registered July 20, 1915. S. Sternau & Co., New York, N. Y. Republished by Sterno, Inc., New York, N. Y., a corporation of New York.

Sterno

For Solid Fuel Composed Mainly of Alcohol.
Claims use since Jan. 12, 1915.

Reg. No. 112,328. Registered Aug. 29, 1916. S. Sternau & Co., New York, N. Y. Republished by Sterno, Inc., New York, N. Y., a corporation of New York.

Canned Heat

For Solid Fuel Composed Mainly of Alcohol.
Claims use since Jan. 12, 1915.

Reg. No. 121,868. Registered June 11, 1918. Carbolineum Wood Preserving Company, New York, N. Y. Republished by Protexol Corporation, Kenilworth, N. J., a corporation of New York.

Protexol

For Wood Preservatives.
Claims use since Nov. 1, 1917.

Reg. No. 184,195. Registered May 20, 1924. Protexol Corporation, New York, N. Y., a corporation of New York. Republished by registrant, present address Kenilworth, N. J.

NEOSOTE

The words "Structural Timber Life Preserver" are disclaimed apart from the mark as shown.
For Wood-Preserving Material.
Claims use since 1906.

Reg. No. 184,196. Registered May 20, 1924. Protexol Corporation, New York, N. Y., a corporation of New York. Republished by registrant, present address Kenilworth, N. J.

OSCO CREOSOTE OIL

The words "Creosote Oil" are disclaimed apart from the mark as shown.
For Wood-Preserving Material.
Claims use since 1921.

Reg. No. 184,197. Registered May 20, 1924. Protexol Corporation, New York, N. Y., a corporation of New York. Republished by registrant, present address Kenilworth, N. J.

Protexide COLORLESS WOOD PRESERVATIVE

The words "Colorless Wood Preservative" are disclaimed apart from the mark as shown.
For Colorless and Odorless Wood Preservative.
Claims use since 1921.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 401,345. Registered May 11, 1943. Protexol Corporation, Kenilworth, N. J., a corporation of New York. Republished by registrant.

PROTEXOL CORPORATION KENILWORTH N.J.

The geographical term "Kenilworth, N. J." is disclaimed apart from the mark as shown.
For Lumber Impregnated To Protect It Against Fire, Decay, and Insect Attack.
Claims use since 1930.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 199,815. Registered June 16, 1925. The Oil Conservation Engineering Company, Cleveland, Ohio. Republished by The Johnston & Jennings Company, Chicago, Ill., a corporation of Ohio.

OCECO

For Gauge and Thief Holes for Oil Tanks, Vacuum and Pressure Relief Valves for Oil Tanks, Oil Still Safety Valves, Flame-Arrester Casings, Flame Snuffers, Oil-Tank Fittings, Pipe Fittings, Couplings, T's, Elbows, Oil-Tank Free Vents, Flame-Arrester Units, Double-Acting Pressure and Vacuum Control Valve, Oil-Storage Conservation System, Vapor-Control System, Manhole Covers for Oil Tanks, Double-Flange Pipe Collars for Oil Tanks.
Claims use since May 1921.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 412,799. Registered Mar. 27, 1945. Inland Steel Company, Chicago, Ill., a corporation of Delaware. Republished by registrant.

INLAND TI-NAMEL SHEETS STEEL

The words "Sheets" and "Steel" are disclaimed apart from the mark as shown.
For Sheet Steel.
Claims use since July 21, 1944.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 84,900. Registered Jan. 9, 1912. Chattanooga Medicine Co., Chattanooga, Tenn. Republished by The Chattanooga Medicine Company, Chattanooga, Tenn., a corporation of Tennessee.

HEPALINA

For Liver Medicine.
Claims use since Sept. 10, 1911.

Reg. No. 395,678. Registered June 2, 1942. Chicago Pharmacal Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

VITACHOLINE

For Epithelial Stimulant Used in the Treatment of Ulcers.
Claims use since July 2, 1936.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 199,684. Registered June 16, 1925. The Oil Conservation Engineering Company, Cleveland, Ohio. Republished by The Johnston & Jennings Company, Chicago, Ill., a corporation of Ohio.

OCECO

For Swing-Pipe Winches, Swing-Pipe Cable Guides.
Claims use since May 1921.

Reg. No. 425,992. Registered Dec. 10, 1946. Harvey Manufacturing Company, Racine, Wis. Republished by Farm Tools, Inc., Mansfield, Ohio, a corporation of Ohio.

KERNOLIZER

For Corn Shellers for Feed.
Claims use since May 15, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 199,177. Registered June 2, 1925. The Oil Conservation Engineering Company, Cleveland, Ohio. Republished by The Johnston & Jennings Company, Chicago, Ill., a corporation of Ohio.

OCECO

For Oil-Level Indicators, Automatic Pressure Gauges, and Gauge Bobs.
Claims use since May 1921.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 178,221. Registered Jan. 8, 1924. S. Sternau & Co. Inc., New York, N. Y. Republished by Sterno, Inc., New York, N. Y., a corporation of New York.

Sterno

For Cooking Stands, Stoves, Teakettle Heating Outfits, Combination Stoves, Sadiron-Heating Outfits, Kitchenettes, Baby-Milk Warmers, Disk Stoves, Curling-Iron Heaters, Camp Cooking Outfits, Burners for Chafing Dishes, Coffee Machines, and Teakettles, Stove Plates, Flame Extinguishers, Flame Reducers, Windshields, and Boilers, in Connection With Which a Solidified Alcohol Is Employed as Fuel.
Claims use since Jan. 12, 1915.

CLASS 39

CLOTHING

Reg. No. 234,249. Registered Oct. 18, 1927. Emily Shops, Inc., New York, N. Y. Republished by Emily Shops, Inc. (1932), New York, N. Y., a corporation of New York.

Emily

For Misses' and Women's Blouses, Dresses, Sweaters, Suits, Ensemble Suits, and Hats.
Claims use since August 1919.

Reg. No. 289,096. Registered Nov. 17, 1931. Julius Kayser & Co., New York, N. Y., a corporation of New York. Republished by registrant.

Marvel Mesh

The word "Mesh" is disclaimed apart from the mark as shown.
For Hosiery.
Claims use since Mar. 1, 1931.

Reg. No. 397,400. Registered Sept. 8, 1942. Ellis Coat Co., Inc., Manchester, Conn. Republished by Manchester Modes, Inc., Manchester, Conn., a corporation of Connecticut.

CLIMATE-TAMER

The word "Climate" is disclaimed apart from the mark as shown.
For Ladies' Coats, Men's Coats, and Children's Coats.
Claims use since Feb. 10, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 349,174. Registered Aug. 24, 1937. Darlington Fabrics Corporation, New York, N. Y., a corporation of Delaware. Republished by registrant.

Darleen Elastic Fabrics

The words "Elastic Fabrics" are disclaimed apart from the mark as shown.
For Piece Goods of Cotton, Rayon, Wool, Silk, and Any Other Yarns Used for Fabrics, and Combinations Thereof; Elastic Webbings and Elastic Sheetings, Made of Plain Cotton, Rayon, Wool, Silk, and Any Other Yarns, Not Rubberized, but Rubber Being Used as a Component Part of the Cloth.
Claims use since May 26, 1936.

Reg. No. 390,365. Registered Sept. 23, 1941. Darlington Fabrics Corporation, New York, N. Y., a corporation of Delaware. Republished by registrant.

Darleno

For Woven Elastic Fabric, Piece Goods of Cotton, Rayon, Wool, Silk, and Any Other Yarns Used for Fabrics, and Combinations Thereof; Wide Elastic Webbings and Wide Elastic Sheetings, Made of Plain Cotton, Rayon, Wool, Silk, and Any Other Yarns, Not Rubberized, but Rubber Being Used as a Component Part of the Cloth.
Claims use since Mar. 11, 1940.

CLASS 43

THREAD AND YARN

Reg. No. 360,053. Registered Sept. 6, 1938. Darlington Fabrics Corporation, New York, N. Y., a corporation of Delaware. Republished by registrant.

"Darleen"

For Elastic Yarn, Sold by the Skein or Spool.
Claims use since June 24, 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 92,532. Registered July 15, 1913. California Fruit Exchange, Sacramento, Calif., a corporation of California. Republished by registrant.



For Fresh Cherries, Apricots, Peaches, Pears, Plums, Grapes, Apples, Prunes, Berries, Persimmons, Cantaloups, Muskmelons, Nuts, and Olives.
Claims use since May 1, 1901.

Reg. No. 123,687. Registered Dec. 3, 1918. California Fruit Exchange, Sacramento, Calif., a corporation of California. Republished by registrant.

Blue Anchor

For Fresh Fruits—Namely, Cherries, Peaches, Plums, Pomegranates, Nectarines, Apricots, Pears, Quinces, Persimmons, Grapes.
Claims use since May 1901.

Reg. No. 205,782. Registered Nov. 17, 1925. Hochheiser & Weisberg, Inc., New York, N. Y. Republished by Moosalina Products Corp., New York, N. Y., a corporation of New York.



All the words except "Moosalina" are disclaimed apart from the mark as shown.
For Olive Oil.
Claims use since Mar. 3, 1924.

Reg. No. 222,774. Registered Jan. 11, 1927. California Fruit Exchange, Sacramento, Calif., a corporation of California. Republished by registrant.



The drawing is lined for blue.
For Fresh Cherries, Apricots, Peaches, Pears, Plums, Grapes, Apples, Prunes, Figs, Persimmons, Pomegranates, Nectarines, Quinces.
Claims use since May 1, 1901.

Reg. No. 224,869. Registered Mar. 8, 1927. California Fruit Exchange, Sacramento, Calif., a corporation of California. Republished by registrant.



The drawing is lined for blue.
For Fresh Cherries, Apricots, Peaches, Pears, Plums, Grapes, Apples, Prunes, Figs, Persimmons, Pomegranates, Nectarines, Quinces.
Claims use since May 1, 1901.

Reg. No. 265,938. Registered Jan. 7, 1930. James Walker, doing business as La Flor del Sur Empacadores, Los Angeles, Calif. Republished by Ida G. Walker, Los Angeles, Calif.

EL PATO

For Canned Vegetables, Canned Cactus Leaves, Canned Chile in Sauce, Canned Chile in Spices, Dried Chile, Mexican Mole (a Pulverized Chile With Spices), Chile Sauce, Canned Chile With Pork.
Claims use since July 1, 1929.

Reg. No. 356,043. Registered Apr. 12, 1938. Dutch Maid Food Packing Company, Inc., Allentown, Pa., a corporation of Pennsylvania. Republished by registrant.

SAUER'S
DUTCHLAND

For Pure Egg Noodles, Spaghetti, and Macaroni.
Claims use since Feb. 1, 1937.

Reg. No. 397,323. Registered Sept. 1, 1942. Beacon Importing Co., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

BIC

For Canned Salmon.
Claims use since Jan. 22, 1942.

Reg. No. 397,840. Registered Sept. 22, 1942. Beacon Importing Co., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

SEA-MASTER

For Canned Salmon.
Claims use since May 12, 1942.

Reg. No. 403,174. Registered Sept. 7, 1943. Moosalina Products Corp., Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address New York, N. Y.

COBO

For Canned Tomato Paste, Canned Vegetables, Canned Fruits, and Canned Fish.
Claims use since the year 1918.

Reg. No. 408,561. Registered Aug. 15, 1944. Beacon Importing Co., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

MASTER PACK

The word "Pack" is disclaimed apart from the mark as shown.
For Canned Fish.
Claims use since Mar. 27, 1944.

Reg. No. 408,923. Registered Sept. 5, 1944. Beacon Importing Co., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

SEA-PET

The word "Sea" is disclaimed apart from the mark as shown.
For Canned Fish.
Claims use since Mar. 27, 1944.

Reg. No. 433,767. Registered Oct. 28, 1947. California Fruit Exchange, Sacramento, Calif., a corporation of California. Republished by registrant.

MAGIC LAKE

For Fresh Deciduous Fruits.
Claims use since August 1938.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 444,537. Registered July 31, 1951. Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn., a corporation of Tennessee. Republished by registrant.



The word "Distillery" is disclaimed apart from the mark as shown.
For Whiskey and Brandy.
Claims use since Dec. 7, 1939.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 341,434. Registered Dec. 8, 1936. Double Duty Products, Inc., Cleveland, Ohio. Republished by Products Packaging, Inc., Cleveland, Ohio., a corporation of Ohio.

VACUTOP

For Dispensing Caps or Tops for Receptacles.
Claims use since on or about Mar. 29, 1936.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 294,475. Registered May 31, 1932. Beaver Chemical Works, Beaver Dam, Wis. Republished by Olo Soap Company, Inc., Beaver Dam, Wis., a corporation of Wisconsin.



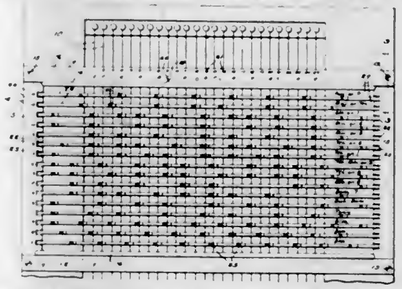
For Powdered Soap, Paste Soap, and a Powdered General Cleaning Compound.
Claims use since May 1, 1928.

REISSUES

JANUARY 29, 1952

23,458
ROBO-CHORD
Kermit A. Bowen, La Mesa, Calif.
Original No. 2,521,686, dated September 12, 1950, Serial No. 56,505, October 26, 1948. Application for reissue September 10, 1951, Serial No. 245,831
12 Claims. (Cl. 84—320)

1. In a stringed instrument the combination, with a set of strings, of a plurality of *spaced* parallel bars extended thereacross, each bar representing a chord and having a depression disposed over each string to be played in sounding said chord, *spaces between said bars forming channelways to guide a pick over the strings,* and pick means adapted *to be moved in and along any selected channelway and thereby* to traverse a bar and to move into the depressions of a bar for lowering into engagement with the



strings underlying the [depression.] *respective depressions.*

PLANT PATENTS

GRANTED JANUARY 29, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,068
POINSETTIA PLANT
Paul Ecke, Encinitas, Calif.
Application July 7, 1950, Serial No. 172,477
1 Claim. (Cl. 47—60)

A new and distinct variety of poinsettia plant substantially as illustrated and described, characterized by a central inflorescence and a large number of bracts of rich blood red color and in which the individual bracts are prolately ovate-accuminate and comparatively wide throughout the major portion of their axial length, and in which the petioles of individual bracts are comparatively short whereby a bract involucre is provided in which the bases of the bracts closely surround the inflorescence and the side edges of individual bracts overlap the edge of the next adjacent bracts.

1,069
SPIREA PLANT
Henry D. Grepke, Fort Wayne, Ind., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo., a corporation of Missouri
Application July 18, 1950, Serial No. 174,555
1 Claim. (Cl. 47—59)

A new and distinct variety of spirea plant, characterized as to novelty by its similarity in appearance to the variety "Spirea Van Houtte" (unpatented) and in respect to vigor, hardiness, profusion of bloom, color, size and date of bloom, but distinguished from "Spirea Van Houtte" by its somewhat smaller foliage and by its dwarf habit of growth, substantially as shown and described.

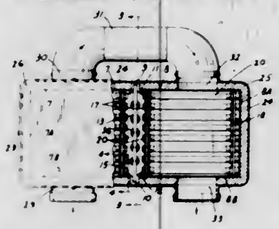
1,070
EVERGREEN TREE
John J. Pinney, Ottawa, Kans., assignor to The Willis Nursery Company, Ottawa, Kans., a partnership
Application June 1, 1948, Serial No. 30,430
1 Claim. (Cl. 47—59)

The new and distinct variety of evergreen tree as described and illustrated, characterized by its foliage being predominatingly silver-blue in color at the tips thereof, and ranging to a relatively dark green near the zone of juncture with the supporting branches, giving the entire plant a bright color throughout its body; its ability to withstand extreme temperature changes with slight alteration in color; its compact body and broad full base growing very close to the ground and remaining vital and true as to color throughout said base.

PATENTS

GRANTED JANUARY 29, 1952

2,583,526
ELECTRIC SPACE HEATER
Joseph Gaudette, Windsor, Ontario, Canada
Application March 29, 1950, Serial No. 152,687
8 Claims. (Cl. 219—39)



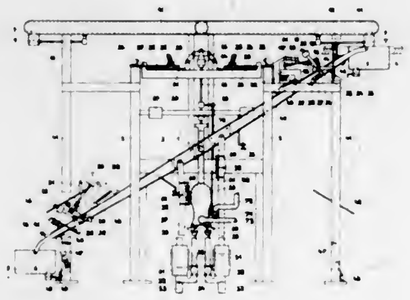
1. In a heater of the character described in combination, a pair of box-like members each closed on all sides except one, said box-like members having their open sides arranged in spaced relation to each other, an air inlet and air outlet in each member, a heating panel in the space between said members, and a plurality of closed tubular members supported in parallel spaced relation in each member and arranged so that one end of each said tubular member is adjacent said heating element and arranged with their longitudinal axes angularly disposed to said inlet and outlet.

2,583,527
STABILIZING POLYDIOLEFIN SULFONES
Johan Michael Goppel and Gottfried Ernst Rumscheidt, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 15, 1949, Serial No. 87,848. In the Netherlands May 18, 1948
15 Claims. (Cl. 260—779)

1. The method of increasing the resistance to deterioration of a product formed on the reaction of natural rubber with sulfur dioxide, said method comprising incorporating zinc 3,5-diisopropylsalicylate in said product.

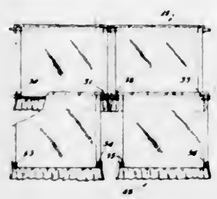
2,583,528
HYDRAULIC DEVICE
Nicolaus Habsch, Wuppertal-Vohwinkel, Germany
Application August 24, 1949, Serial No. 112,160
In Belgium September 18, 1948
4 Claims. (Cl. 103—55)

1. In an hydraulic device, a frame, a pivot on said frame, a balance beam supported by said pivot, a pump having a reciprocating piston disposed on each side of said pivot, piston rods of said pumps connected to arms of said balance beam, a water container having discharge valves supported adjacent each end of said balance beam, a water feeding tube having a feeding outlet for each of said containers, said water containers being positioned below the corresponding feeding outlet in their raised position, each of said feeding outlets having a feeding valve, and means for controlling said valves by the movement of said balance beam caused by the overweight of a container filled with water, and a regulating rod disposed along said balance beam, a swinging arm disposed on each arm of said balance beam, each of said swinging arms carrying a weight, means for coupling said swinging arm with said regulating rod and for moving said



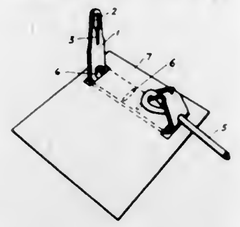
regulating rod in longitudinal direction, and said coupling means including means for opening the feeding outlet for the raised water container and the discharge valve of the lowered water container.

2,583,529
CURTAIN CONSTRUCTION
Alan Halpern, New York, N. Y., assignor to Bartmann & Bixer, Inc., New York, N. Y., a corporation of New York
Application December 29, 1950, Serial No. 203,277
8 Claims. (Cl. 160—130)



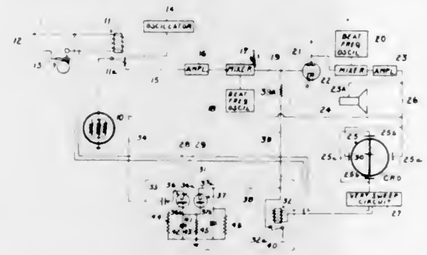
1. In a multiple tiered curtain assembly having an upper tier comprising a plurality of laterally separable panels and at least one lower tier comprising a plurality of laterally separable panels disposed below said upper tier, the upper tier having a curtain rod pocket at the upper portion thereof, a main curtain rod in said pocket and supporting said upper tier, separate curtain rod supporting means above and behind the lower portion of each of the panels of said upper tier for supporting an auxiliary curtain rod, and an auxiliary curtain rod removably supported in said supporting means and having said lower panels slidably supported thereon for lateral movement.

2,583,530
ELECTRICAL CONNECTING TERMINAL STRAP
Sune Sigurd Sixten Hasselbohm, Hagersten, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden
Application January 21, 1948, Serial No. 3,571
In Sweden January 30, 1947
2 Claims. (Cl. 173—324)



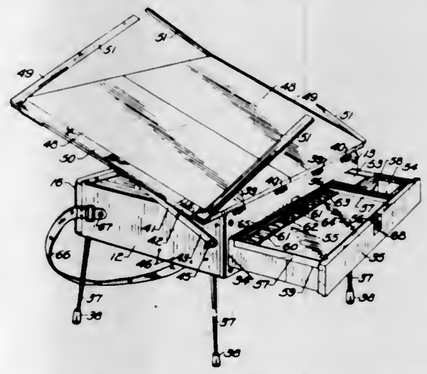
1. An electrical connector comprised by a pliable strip of high conductivity metal, said strip having an end portion narrower in width than the main body and a transverse slot adjacent its center at least equal in length to the thickness of the narrow end portions, said strip also having in the narrow end portion a hole of overall greater diameter than the thickness of the insulated conductor to be received, and a slot having parallel sides and of lesser width than the thickness of the conductor itself extending from the hole inwardly along the longitudinal axis of the strip, said strip being capable of being bent at an acute angle with respect to itself along a transverse line between the transverse slot and the narrow end portion, said narrow end portion being capable of being bent at right angles to the bent portion and forced into the transverse slot, whereby an insulated conductor inserted in the hole will be forced by the main body of the strip into the longitudinal slot with the sides of the slot severing the insulation and cutting into the conductor.

2,583,531
REVERBERATION CONTROL OF GAIN
Jarrett Lewis Hathaway, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy
Application June 29, 1944, Serial No. 542,796
4 Claims. (Cl. 177—386)



1. In an echo ranging system including a receiver having at least one amplifier stage including an electron discharge device with a control element and whose gain is dependent on the amplitude of a direct current bias voltage fed to the control element, means for controlling the gain of said receiver comprising, means including a capacitor initially charged to a given voltage for biasing said control element of said amplifier stage to initially reduce the gain thereof, a discharge path for said biasing means including a diode, means for deriving a potential proportional to the level of the reverberation entering said receiver, and means applying the said potential to said diode to render said diode completely non-conductive at the instant when said potential reaches a predetermined magnitude thereby to control the discharge time of said biasing means.

2,583,532
KIT
Keith C. Havens, Robbinsdale, Minn.
Application November 22, 1947, Serial No. 787,589
17 Claims. (Cl. 312—231)



1. In a kit, a rectilinear case including spaced apart, oppositely disposed side and end walls and a bottom wall and adapted to be rested upon a support with the exterior surface of one of its side walls facing upwardly and the exterior surface of its other side wall facing downwardly thus to constitute a desk, spaced apart supporting legs for the case when constituted as a desk adapted to be detachably assembled with the side wall of said case the exterior surface of which faces downwardly, a working board for the case when constituted as a desk adapted to be situated above the side wall of said case the exterior surface of which faces upwardly, means for removably, adjustably supporting said working board on said case, and a drawer for equipment situated in the case and slidably removable therefrom at the location of said bottom wall, said case including an open, upper end, and a slidably removable cover for closing said open, upper end.

2,583,533
METHOD OF DESTROYING PATTERNS
Johannes Nathanael Hiensch, Eindhoven, Netherlands
No Drawing. Application October 4, 1947, Serial No. 778,042. In the Netherlands April 17, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 17, 1965
5 Claims. (Cl. 22—196)

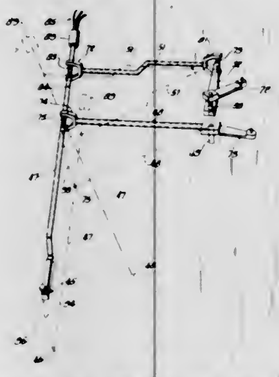
1. In a method of casting metals, that improvement which includes the steps of providing a casting mould made with a pattern of a substance essentially comprising a material which combines with oxygen in an exothermic reaction and whose oxidation products are primarily gaseous, an oxygen-combustible binder and a normally stable, solid, oxygen-rich compound which is unstable at temperatures below the temperature of said exothermic reaction, said compound being present in an amount sufficient fully to combust said material and said binder,

and burning said substance within said mold, the oxygen for burning being supplied by said compound, whereby to leave a mold cavity.

2,583,534
STREPTOMYCIN GLUCURONATE
George W. Mast, Stamford, Conn., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application December 31, 1949, Serial No. 136,419
1 Claim. (Cl. 260—210)

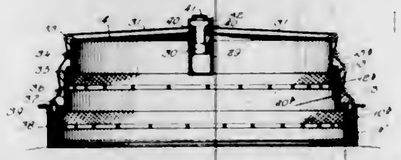
As a new composition of matter, streptomycin glucuronate.

2,583,535
TRANSLATING APPARATUS AND FOLLOW-UP SYSTEM
Robert Adler, Chicago, Ill., assignor to Consolidated Electric Company, Chicago, Ill., a corporation of Illinois
Application April 2, 1949, Serial No. 85,236
13 Claims. (Cl. 178—19)



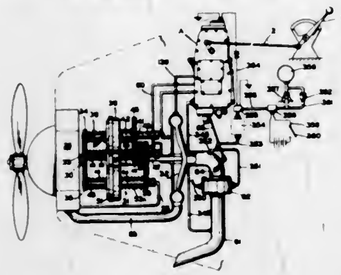
1. Mechanism for translating the motions of two sources into motions of one receiver over a surface comprising, a parallelogram linkage system between said two sources and said receiver, said sources being connectible to a pair of the links of said system at a common pivotal axis thereof, the total moment of mutual inertia of all masses in said linkage system being zero for any position of said receiver on said surface.

2,583,536
STORAGE TANK
John W. Allen, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application November 3, 1945, Serial No. 626,585
1 Claim. (Cl. 48—178)



An expansible storage tank comprising a series of cylindrical metal sections of different diameters substantially arranged about a common axis in the order of their diameters and flexible sealing members between the cylindrical sections with each sealing member connecting one cylindrical section to the next larger so as to permit relative axial movement therebetween with the bottom of each metal section, except the lowermost section, rising no higher than the top of the next lower section when the tank is fully expanded axially, said cylindrical sections being open at both ends except for closure members extending across those two sections forming the top and bottom ends of the storage tank, and stabilizing means for the tank including a well in the top closure, a movable weight in the well, a plurality of flexible cables having one end attached to the weight and having the other end attached to the bottom cylindrical section, the intermediate portion of the cable passing over sheaves attached to each of the cylindrical sections.

2,583,537
ENGINE CONTROL
Howard Allan Alexanderson, Wood-Ridge, and Arthur Hibbard Le Febvre, Hackensack, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application June 6, 1947, Serial No. 752,912
18 Claims. (Cl. 121—41)

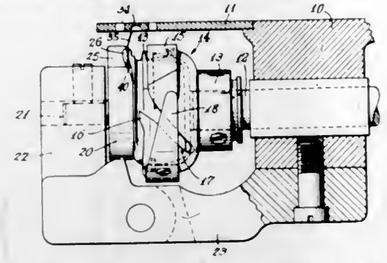


7. For use with an induction system of a supercharged aircraft engine having an intake manifold, a carburetor for supplying a combustible mixture to said engine through said intake manifold, and operable means for injecting a supplemental fluid for suppressing predetonation of said engine; the combination comprising pilot operative means for selecting a desired manifold pressure for the engine, means for controlling the manifold pressure, manifold pressure responsive means for adjusting said control means so as to maintain the selected manifold pressure, atmospheric pressure responsive means, means responsive to operation of said fluid injection means, servomotor means operably connecting said fluid injection responsive means and said atmospheric pressure responsive means jointly to said selecting means so as to vary the maximum permissible limit of the value of said selected manifold pressure in accordance with the prevailing atmospheric pressure and the operative condition of said fluid injection means.

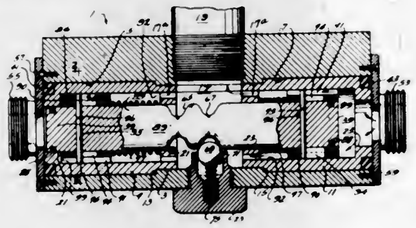
2,583,538
LOCK STITCH SEWING MACHINE
Clarence R. Backlin, Floral Park, N. Y., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application October 19, 1949, Serial No. 122,285
7 Claims. (Cl. 112—231)

1. In a sewing machine having a rotary hook provided with an open-sided raceway, and having a bobbin case in said raceway provided with a loop-check notch and with a flange section extending past said notch and along the periphery of the case to guide the same in said raceway, the improvement which comprises: the edge of

said raceway ahead of the hook being cut back to provide a peripherally extending, elongate, relatively narrow indentation, and said flange section of the case adjacent the loop-check notch being cut away to provide a second peripherally extending, elongate, relatively narrow indentation on its inner side whereby for part of a revolution of said hook prior to the hook point reaching its pick-off position a wide gap exists between the hook raceway and the bobbin case to enable the needle thread loop to leave the bobbin case relatively soon in each sewing cycle of the machine.

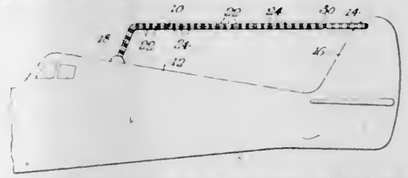


2,583,539
VALVE PACKING CONSTRUCTION
Nicholas Bashark, Dayton, Ohio, and David Grant, Los Angeles, Calif.
Application June 5, 1946, Serial No. 674,406
1 Claim. (Cl. 251—75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



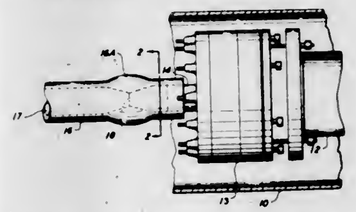
In the packing seal retainer construction; a valve-like body having a cylindrical bore extending therethrough formed with an enlarged concentric cylindrical guide chamber located intermediate the ends of the bore; means for introducing a pressure fluid into one end of the guide chamber; said guide chamber having spaced parallel end walls disposed perpendicular to the longitudinal axis of the bore; a sleeve-like cylindrical follower member concentrically disposed in said guide chamber for axial movement, having longitudinally extending guide flanges formed thereon equally spaced about its exterior in slidable supporting relation with the interior of the guide chamber intermediate its ends, the spaces between the flanges forming plural pressure fluid conduit passages between the follower and the interior wall of the guide chamber; said follower having a concentric cylindrical guide bore extending therethrough similar in diameter to the first mentioned cylindrical bore, and having spaced parallel end faces disposed perpendicular to the axis of the last mentioned cylindrical bore, spring means biasing said follower toward the end of the enlarged chamber adjacent the pressure fluid introducing means, interposed between the end of the enlarged chamber opposite that having the pressure fluid introducing means therein and the adjacent end of the follower; an actuating rod concentrically disposed in said bore for axial movement relative to the follower and body; a valve closure head concentrically formed on the end of the rod having a cylindrical end portion slidably disposed within the follower and formed with a packing ring receiving groove; abutment stop means between the follower and the rod for limiting relative movement therebetween by the biasing spring means in one direction, movement of the follower in the opposite direction being limited by abutment engagement of the end thereof with the end wall of the enlarged chamber; an annular resilient packing ring disposed in the groove formed in the end portion of the valve closure head and retained therein by the follower when in one position, and released by the follower and retained therein by the first mentioned cylindrical bore, incident movement of the follower into abutting engagement with the end of the enlarged chamber and continued movement of the closure head into the first mentioned bore.

2,583,540
MEANS FOR DISCHARGING STATIC ELECTRICITY FROM AIRPLANE RADIO ANTENNAS
Willard H. Bennett, Chevy Chase, Md.
Application February 11, 1947, Serial No. 727,782
2 Claims. (Cl. 250—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In means for the reduction of radio static for an airplane, the combination comprising, a radio antenna wire, a plastic insulating sheath surrounding the wire, an insulating antenna mast for the support of one end of the antenna and an insulator supporting the other end, rings of conductive paint on the surface of the antenna sheath and on the antenna mast and insulator, said rings defining non-conducting spaces between the rings on the sheath, mast and insulator, whereby said spaces function as corona discharge gaps for the relief of excess potentials.

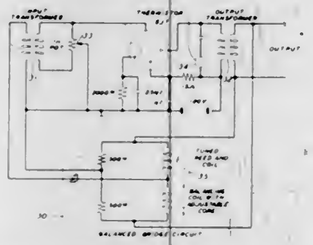
2,583,541
MASS SPECTROMETER
Clifford E. Berry, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application May 17, 1948, Serial No. 27,513
18 Claims. (Cl. 250—41.9)



3. A sample inlet system for an evacuated chamber having an inlet nipple which comprises

a glass tube having a longitudinal bore therethrough one end of the tube being adapted to slip over the inlet nipple, and a perforated metal foil sealed in the tube across the bore therein and adjacent said one end of the tube.

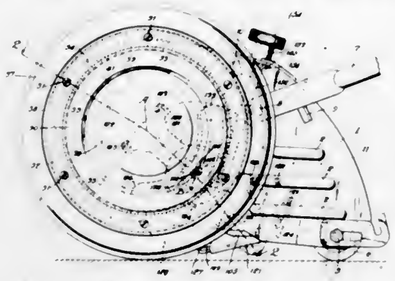
2,583,542
VIBRATORY REED-CONTROLLED OSCILLATOR
Lee G. Bostwick, Florham Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application July 10, 1948, Serial No. 38,130. Divided and this application July 14, 1949, Serial No. 104,755
2 Claims. (Cl. 250—36)



1. In an oscillatory circuit having an input and an output circuit, frequency determining means comprising a reactance coil including a vibratile reed tuned to a given frequency in series with a second reactance coil having an impedance substantially equal to the impedance of said first coil at frequencies removed from the reed frequency, connected across said output circuit, a pair of series-connected substantially equal impedances connected across said output circuit, and connections from the junctions of the series-connected coils and series-connected impedances to said input circuit, said means being in substantial electrical balance in the absence of output energy in said output circuit including the frequency to which the reed is tuned, the presence of such frequency producing vibrations of said reed at that frequency thereby to alter the effective impedance of said first-mentioned reactance coil to produce a substantial electrical unbalance in said means and transfer of output energy to said input circuit, whereby the oscillations produced have their frequency determined by the frequency of the reed.

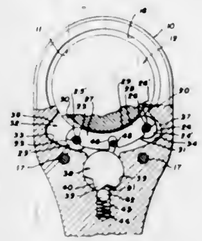
2,583,543
LAWN MOWER
Eugene L. Boyce and Harry Goldberg, Chicago, Ill., assignors, by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill., a corporation of Delaware
Application January 4, 1946, Serial No. 639,009
9 Claims. (Cl. 56—249)

1. In a lawn mower, a frame, a chassis including a pair of spaced end members and connections therebetween, ground engaging wheels mounted on said frame end members for rotation about a common and generally horizontal axis, a reel assembly and a cutter bar assembly, said assemblies being unitarily adjustable and removable from said chassis, each said assembly including end members, the end members of the reel assembly being rotatable about an axis concentric with the axis of rotation of said ground engaging wheels, and being rotatable in relation to the end members of said cutter bar assembly, a cutter reel and shaft rotatable about an axis concentric with the connections between the end members of the reel assembly and the cutter bar assembly, a driving connection between said shaft and said ground engaging wheels, effective at all positions



of said reel assembly, and means for raising and lowering said reel and cutter bar assemblies including supporting members fixed to and extending upwardly from the end members of said cutter bar assembly.

2,583,544
REVERSIBLE RATCHET MECHANISM
Clifford I. Burdick, Racine, Wis., assignor to Snap-On Tools Corporation, Kenosha, Wis., a corporation of Delaware
Application May 19, 1945, Serial No. 594,699
5 Claims. (Cl. 192—44)

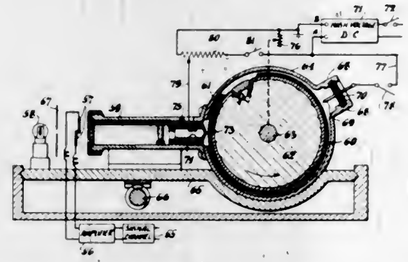


1. In a ratchet mechanism, the combination with a body member, of a revoluble member journalled in said body member, said members comprising intermittent driving and driven elements, there being an elongated arcuate chamber in said body member communicating with said revoluble member to present integral camming surfaces toward and from said revoluble member, elongated arcuate carrier means mounted for displacement within said body member camming chamber, said camming chamber and carrier extending for a circumferential portion of said revoluble member, friction rollers rotatively mounted in the extremities of said carrier means for circular displacement therewith in opposite directions to engage and disengage said revoluble member, the camming surfaces of said elongated chamber terminating in enlarged ends for receiving said friction rollers when said carrier is shifted to one extreme position or another to disengage the friction rollers displaced thereto and engage the friction rollers displaced therefrom, means associated with said friction carrier means for shifting said friction rollers along said camming chamber in operative and inoperative engaging relation with said revoluble member, and means operatively connected with said shifting means to maintain the latter in one or the other of its extreme displaceable positions.

2,583,545
ANTIFOULING MARINE PAINT
John S. Cameron, Compton, Calif., assignor of one-half to Morton E. Feiler, Los Angeles, Calif.
No Drawing. Application July 21, 1948, Serial No. 40,023
4 Claims. (Cl. 106—15)

1. An anti-fouling marine paint adapted for application to the hulls of vessels comprising a pigment including finely divided metallic copper, finely divided metallic zinc and cuprous oxide thoroughly dispersed through and suspended in a vehicle-binder including chlorinated coal tar pitch, the finely divided metallic particles of copper and zinc being insulated one from the other by said pitch to form in the main coating film a multiplicity of primary cells which, in contact with sea water and in the acid environment afforded by the acid nature of said chlorinated coal tar pitch, sets up in the said main coating film a voltaic current effective to repel marine animal growth from said main coating film, said pigment ingredients combining with the long-chain acids of said vehicle-binder to form continuously a primary soap-film loosely attached to said main film, the primary soap-film being likewise charged with voltaic current to repel marine animal growth and being capable of sloughing off from said main film when said vessel is in motion, thus to carry away any marine vegetable growth accumulating on said primary film when the vessel is not in motion.

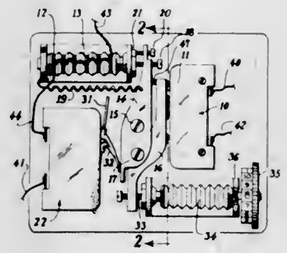
2,583,546
ELECTROPHOTOGRAPHIC RECORDING
Chester F. Carlson, Woodside, N. Y.
Application May 12, 1948, Serial No. 26,663
8 Claims. (Cl. 178—6.7)



6. In combination, an electrophotographic plate comprising a conductive backing and a surface layer of photoconductive insulating material overlying said backing in contact therewith, a scanning member and means to effect relative movement between said plate and said member to scan the surface of said plate with said member, said member comprising a conductive electrode overlying the surface of said plate and spaced therefrom and having an aperture therein and a light beam projector for projecting a light beam onto said plate through said aperture.

2,583,547
CONTROL INSTRUMENT
Duncan B. Cox, Woodbury, N. Y.
Application March 26, 1947, Serial No. 737,281
8 Claims. (Cl. 172—126)

1. A control instrument comprising: a control switch; an operating member in operative relation with the control switch and mounted for shift movement so as to cause the operation of the switch when in one position and the release of the switch when in another position; means to cause positive movement of the operating member within predetermined limits to thereby cause



the cyclical operation and release of the switch; and means, responsive to changes in ambient conditions, in operative relation with the operating member to vary the position of the operating member and consequently the cyclical operation of the switch in response to changes in ambient conditions.

2,583,548
PRODUCTION OF PIGMENTED CELLULOSIC PULP
William Lutton Craig, Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 17, 1948, Serial No. 15,509
3 Claims. (Cl. 106—204)

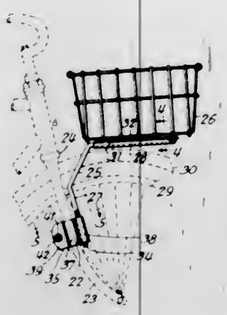
1. The method of producing pigmented cellulosic pulp which comprises adding cellulosic fibers to a calcium chloride solution to form a resultant pulp containing from about 5% to 10% calcium chloride and at least about 1% of fibers, subjecting the pulp to prolonged mechanical treatment, maintaining the fibers in the calcium chloride solution until the combined effects thereof and the mechanical treatment have resulted in the fibers becoming swollen, hydrated and gelatinized, thereafter adding a soluble salt which will react with the calcium chloride to form a precipitated calcium compound pigment, the amounts of the calcium chloride and said soluble salt being such as to precipitate within, on and around the modified cellulose fibers an amount of the calcium compound pigment in excess of the weight of the modified fibers, on a dry basis.

2,583,549
PREPARATION OF PENTAERYTHRITYL PHOSPHATES
George C. Daul and John D. Reid, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application April 25, 1950, Serial No. 158,055
4 Claims. (Cl. 260—461)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method for producing pentaerythrityl phosphates which comprises heating a mixture of pentaerythritol and urea phosphate to a temperature within the range of 130° to 180° C. until evolution of water vapor ceases.

3. The diammonium salt of mono-pentaerythrityl tetra-orthophosphoric acid.

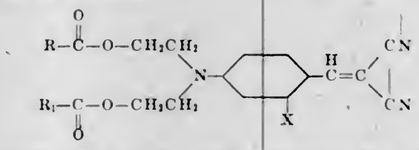
2,583,550
BICYCLE BASKET SUPPORT
E. Lucian Dennis and Clarence S. Glenny, Rockford, Ill., assignors to The Washburn Company, Worcester, Mass., a corporation of Massachusetts
Application August 23, 1946, Serial No. 692,491
16 Claims. (Cl. 224—38)



5. A bicycle basket adapted to be secured to the front wheel embracing fork of a bicycle for support independently of the handle bar, said basket comprising attaching means secured to the bottom of the basket at laterally spaced points at equal distances from the ends, respectively, of the basket, a pair of inverted generally L-shaped rods serving as supporting brackets providing an elongated substantially horizontal arm on each, said arms having elongated portions thereof connected to said attaching means for rigid support of the basket on the rods above the front wheel in the bicycle fork, said rods also providing an elongated upright arm on each extending downwardly relative to the rear end of the other arm, these arms being laterally spaced approximately like the legs of the bicycle fork, and other attaching means adapted to be fastened adjustably and detachably to the legs of the fork at opposite sides of the front wheel and having elongated portions of the last mentioned arms rigidly connected thereto for rigid support of the basket on said fork.

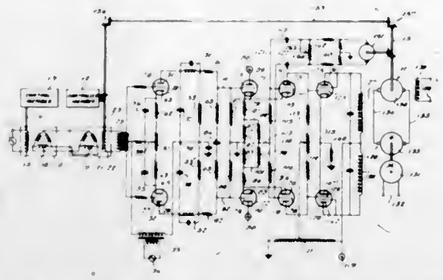
2,583,551
METHINE DYESTUFFS
Joseph B. Dickey, Rochester, N. Y., and George J. Taylor, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 4, 1950, Serial No. 160,105
6 Claims. (Cl. 260—465)

1. The methine dye compounds having the general formula:



wherein R and R_1 each represents a member selected from the group consisting of a methyl group, an ethyl group, a propyl group, a $CH_3—O—CH_2—$ group and a $CH_3CH_2—O—CH_2—$ group and X represents a member selected from the group consisting of a hydrogen atom and a methyl group.

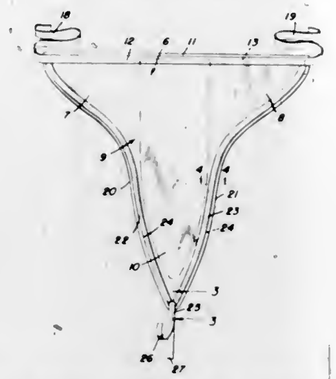
2,583,552
MOTOR CONTROL CIRCUIT MIXER
Robert S. Edwards, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application April 29, 1944, Serial No. 533,279
5 Claims. (Cl. 250—27)



5. In a motor control circuit, a source of first signal voltage and a separate source of a second signal voltage, a mixer amplifier for combining the control signals to jointly control the operation of a motor comprising a pair of electron discharge devices having cathodes, anodes and control electrodes connected in a balanced circuit with a power supply, a first impedance connected between said cathodes and having its center point connected to said supply, a second impedance connected across a fractional part only of said first impedance and across substantially equal values of said first impedance on both sides of its center point to provide a bias potential at the center point of said second impedance that is dependent upon but less than the average potentials of the cathodes of said devices and at a sufficiently lower potential as to cause said devices to operate on a linear portion of their mutual characteristic curves, the center point of said second impedance being connected to said control elctrodes for applying said bias potential thereto, means for applying said first signal voltage in differential fashion to the cathodes of said devices and across the entire first impedance connected therebetween, and means for supplying said second signal voltage in differential fashion to the control electrodes of said devices.

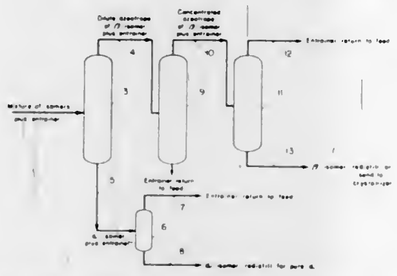
2,583,553
SANITARY PROTECTOR FOR BEDRIDDEN PATIENTS
Marthe E. C. Faure, Tulsa, Okla., assignor to Faureed Company, Tulsa, Okla.
Application April 7, 1949, Serial No. 86,016
1 Claim. (Cl. 128—287)

A washable re-usable protector-type readily applicable and removable cover and retainer for absorbent pads commonly used to take the place of a bedpan comprising a triangulated single ply sheet of thin pliant water-proof material embodying a back portion having a straight across edge and a crotch portion, said back portion having free terminal tying and retaining flaps adapted to overlie the abdomen of the wearer, said crotch portion being an appreciably slender tapering apron which is conformingly adapted to be drawn upwardly between the wearer's legs and then up over the abdomen, a fabric tape superimposed against one surface of said back portion and attached thereto just inwardly of and parallel to the straight across edge of the latter, the areal extent of attachment of said tape ranging from the tip of one flap to the tip of the remaining flap and the ends of said tape being free and projecting well beyond the terminal ends of said flaps, a single pair of additional fabric tapes superimposed against said one surface and ranging from the attached end portions of said first named tape and extending uninterruptedly along the two remaining marginal edges of the back and apron portions of said material and being fastened to the latter slightly inwardly of the corresponding marginal edges of said



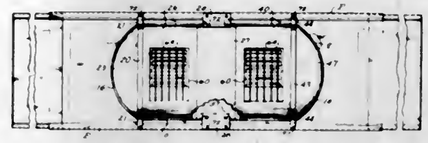
back and apron portions and being joined together at the apex end of said apron, and a pair of tying elements fastened to the junctural portions of said pair of tapes, said apron being of a length which allows said apex end to be drawn up over the abdomen of the wearer and interposed between the terminals of said flaps, whereby said tying elements may be tied to the free ends of said first named tape after said free ends are tied into a bow-knot.

2,583,554
METHOD FOR THE SEPARATION OF α-METHYL NAPHTHALENE FROM β-METHYL NAPHTHALENE BY AZEOTROPIC DISTILLATION
Julian Feldman and Milton Orchin, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior
Application February 9, 1950, Serial No. 143,288
5 Claims. (Cl. 202—42)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



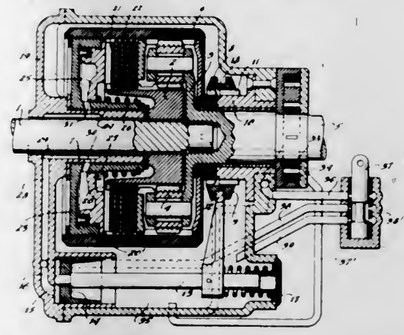
1. A method for separating α-methyl naphthalene from β-methyl naphthalene comprising the steps of adding an entrainer comprising undecanol to a mixture containing these isomers, and distilling the resultant mixture at a subatmospheric pressure selected so that said undecanol forms an azeotrope at least with β-methyl naphthalene.

2,583,555
WINDOW VENTILATOR
Herbert P. Fields and Bruno Kucinski, Chicago, Ill.
Application May 24, 1950, Serial No. 163,816
12 Claims. (Cl. 98—94)



1. A ventilator having, in combination, a mounting plate arranged for positioning in a window opening, there being a horizontally elongated opening in the mounting plate, and a sectional cylindrical housing having a contour and size to substantially occupy the opening fully with its axis substantially aligned with the mounting plate, end rings in fixed connection with the mounting plate and supported thereby, a central band section in fixed connection with the mounting plate and supported thereby, and casing sections extending from the band section, one toward each end ring and each rotatably secured to the band section, each casing section enclosing means defining a scroll chamber having a discharge outlet radially of the housing, a rotor mounted to rotate therewithin about an axis substantially in line with the mounting plate, a pair of caps secured to the casing sections at the ends of the housing, each cap having an inlet opening in communication with the scroll chamber, and a motor supported fixedly within the confines of the central band section in driving connection with both rotors.

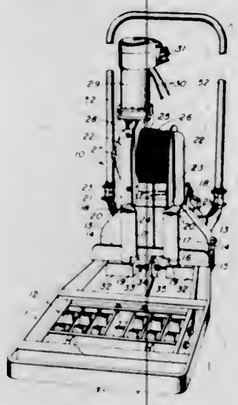
2,583,556
PLANETARY GEAR ARRANGEMENT
Gaston Fleischel, New York, N. Y., assignor to Products & Licensing Corporation, New York, N. Y.
Application March 10, 1949, Serial No. 80,581
14 Claims. (Cl. 74—789)



1. A planetary gear transmission arrangement comprising in combination driving gear means including a rotating sun gear member adapted to be connected to a driving shaft; a reaction member provided with gear teeth and arranged coaxially with said driving gear means rotatably about the axis of the same; driven gear means being in mesh with said driving gear means and said gear teeth of said reaction member and adapted to be connected with a driven shaft; said rotating sun gear member rotating at a

predetermined speed; progressive clutch means arranged between said rotating sun gear member and said reaction member arranged movably between inoperative position establishing no driving connection between said rotating sun gear member and said reaction member, and operative position causing rotation of said reaction member by said rotating sun gear member; pressure operated means for moving said progressive clutch means from inoperative into operative position, at will; a stationary member; means for positively locking said reaction member to said stationary member for preventing rotation of said reaction member, including locking teeth on said reaction member and an axially shiftable locking member having corresponding locking teeth meshing with the locking teeth on both members in one axially shifted position but in another shifted position being free of the locking teeth of one of said members; and synchronizer means combined with said locking means permitting operation of said locking means and consecutive locking of said reaction member to said stationary member only when said locking means are in potentially operative position and said reaction member reverses its direction of rotation, said synchronizer means including engagement means on said reaction member, and corresponding engagement means on said axially shiftable locking member registering with the engagement means on said reaction member exclusively in predetermined rotated positions of said reaction member with respect to said stationary member and axially shiftable locking member.

2,583,557
POWER-DRIVEN TRUCK FOR AIR CARGO USE
John L. Foy, United States Navy, Dayton, Ohio
Application May 20, 1947, Serial No. 749,369
2 Claims. (Cl. 254—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a powered cargo truck having a base frame with wheels thereon and a lift frame fitted over the base frame, the combination of an electrically powered winch secured to the base frame at one end thereof, a pulley system secured to the underside of said base frame in substantially the same plane as the wheels, and a cable engageable with said winch and said pulley system adapted to be secured at one end to a fixed position whereby the cargo truck pulls itself unidirectionally on said cable.

2,583,558
OCTAGLYCINE DIHYDROHEPTIODIDE AND METHODS OF MAKING THE SAME
Walter S. Frost, Somerville, Mass., assignor, by mesne assignments, to Morgan-Sabalol Products, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 10, 1949, Serial No. 115,114
9 Claims. (Cl. 260—534)

8. As a new product

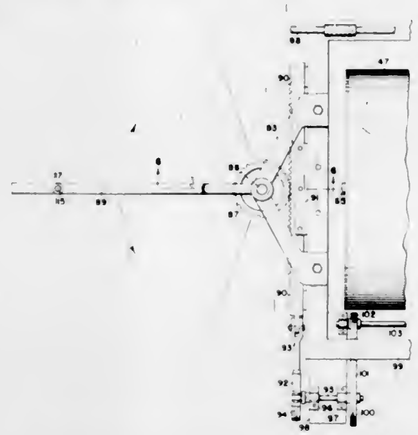
$$(CH_2NH_2COOH)_8 \cdot (HI)_2 \cdot I_5$$

2,583,559
TETRAGLYCINE DIHYDROHEPTIODIDE AND METHODS OF MAKING THE SAME
Walter S. Frost, Somerville, Mass., assignor, by mesne assignments, to Morgan-Sabalol Products, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 10, 1949, Serial No. 115,115
10 Claims. (Cl. 260—534)

9. As a new product

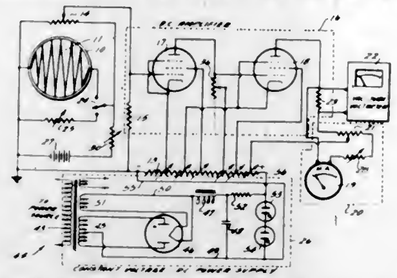
$$(CH_2NH_2COOH)_4 \cdot (HI)_2 \cdot I_5$$

2,583,560
COMBINATION DUSTING AND SPRAYING MACHINE
Bevy M. Gaddis, Washington, D. C.; dedicated to the free use of the People in the territory of the United States
Application May 23, 1946, Serial No. 671,716
2 Claims. (Cl. 299—62)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



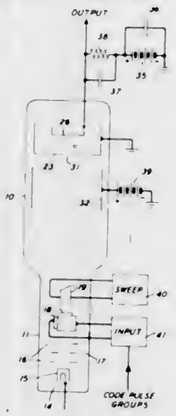
1. An insecticide spraying device having a flexible hose and a spray nozzle at the free end thereof, in combination with a vertical support for said free end of said hose, a horizontal arm, said vertical support being connected for vertical adjustment to one end of said arm, a horizontal pinion secured to the other end of said arm, said pinion being rotatably mounted on a stationary pivot, a rack mounted for reciprocation and engaging said pinion, and means for reciprocating said rack, whereby as the rack is reciprocated a horizontally oscillating motion is automatically imparted to said support and nozzle about said pivot.

2,583,561
ELECTRONIC AIR FLOW INDICATOR
Joseph General and Marvin A. Bennett, Dayton, Ohio
Application October 23, 1946, Serial No. 705,118
8 Claims. (Cl. 73—204)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



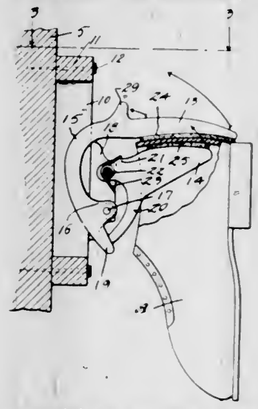
1. In an electronic fluid flow indicator, a wire grid of high electrical resistance, a constant-voltage for heating said grid, connections between said constant voltage source and said grid, means for directing a flow of fluid through said grid to lower the temperature of the grid and produce a change in the voltage drop across it, a direct current amplifier having an input grid, a connection between said grid and the input grid of the direct current amplifier including a voltage divider connected across said grid to adjust the input voltage to the direct-current amplifier, a second constant voltage source for said amplifier, connections between said constant voltage source and said amplifier for supplying plate voltage thereto, the connection between the high resistance grid and the input grid including the voltage divider impressing upon said amplifier the voltage drop across the grid, a vacuum tube voltmeter calibrated in flow units and means for impressing the voltage output of said amplifier on said vacuum tube voltmeter.

2,583,562
CATHODE-RAY DEVICE
Frank Gray, East Orange, and Raymond W. Sears, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1947, Serial No. 785,696
3 Claims. (Cl. 250—27)



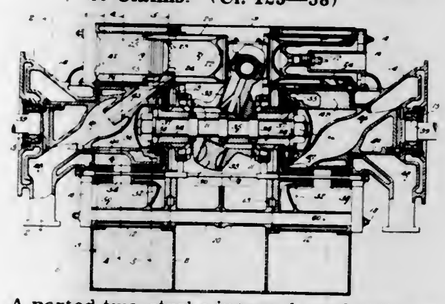
3. A decoder for pulse code modulation communication systems, comprising a mask member having an aperture of constant width therein, a target electrode opposite one face of said mask member and opposite said aperture, means opposite the other face of said member for projecting an electron beam toward it, sweep means for directing said beam recurrently along a path in proximity to and beyond one side of said aperture, means energized in accordance with code pulse groups for causing said beam to pass across said aperture once for each pulse, whereby said beam impinges upon said target electrode and places thereon for each pulse a charge of constant magnitude, and means for converting the charges on said electrode per time interval corresponding to a code group period into a signal of amplitude determined by the number and time position of pulses in such interval.

2,583,563
HANGER
Harry M. Habel, Oak Park, Ill.
Application January 30, 1948, Serial No. 5,309
1 Claim. (Cl. 211—89)



A hanger comprising a support, a pair of clamp elements, vertically spaced members on the support, upon which the clamp elements are pivoted, the lower clamp element having spring means connected to one of said members to cause downward movement of said element, the upper clamp element being provided with a leg, swingable on the other member carried by the support and provided with a finger, the lower clamp element being provided with a leg engaging the finger and adapted to rock the upper clamp element downwardly against the lower clamp element when a load is imposed upon the lower clamp element.

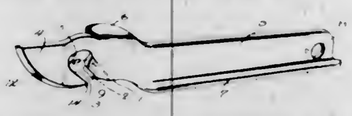
2,583,564
BARREL ENGINE
Edwin S. Hall, Farmington, Conn.
Application August 19, 1948, Serial No. 45,060
20 Claims. (Cl. 123—58)



1. A ported two-stroke internal combustion en-

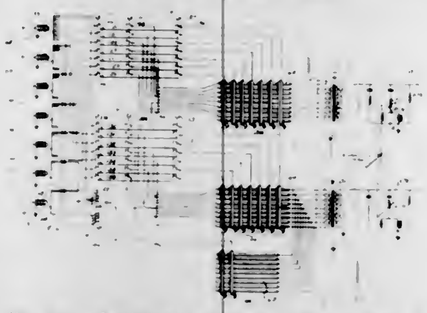
gine comprising fixed pistons and reciprocating working cylinders having exhaust and free air ports, and means for supercharging said working cylinders thru said exhaust ports after said free air ports have closed, said means including the wall of each of said cylinders as an annular piston.

2,583,565
CAN OPENER
Eugene D. Hallock, Snyder, N. Y., and Paul E. Whittington, Arlington, Va.
Application March 30, 1948, Serial No. 18,046
1 Claim. (Cl. 30—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A one-piece can opener comprising a substantially flat rigid bar of metal provided with a lateral slot adjacent one end terminating in a substantially circular enlarged recess dividing the bar into a head portion and a handle portion, said slot being inclined forwardly toward the head portion, the wall of the slot adjacent the handle being bent laterally and adapted to serve as a fulcrum, the edge of the head portion on the slotted side of the bar being sharpened to provide a cutting edge terminating in a rearwardly-directed penetrating point on the other wall of the slot, said head portion being bent to form an obtuse angle with the handle portion and the laterally-bent fulcrum, an integral thumb-engaging member on one edge of the handle, and an elongated finger-engaging flange on the opposite edge of the handle portion.

2,583,566
ELECTRICAL MUSICAL INSTRUMENT
John M. Hanert, Park Ridge, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application June 11, 1947, Serial No. 753,993
21 Claims. (Cl. 84—1.25)



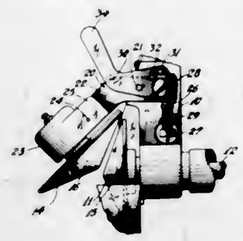
1. In an electrical musical instrument, the combination of a plurality of generators, each generating an electrical signal of constant frequency corresponding to a note of the musical scale, a plurality of bus bars, playing key operated switches for respectively connecting said generators with the bus bars, a pair of output channels, each channel having a transformer provided with a plurality of taps on its primary winding, preset keys operable to connect said bus bars to preselected taps on either of said transformer primary windings, an artificial line vibrato apparatus coupled to the secondary windings of each of said transformers, said vibrato apparatuses being mechanically coupled together to operate in phase and in synchronism, means for selectively rendering either of said vibrato apparatuses effective to produce a vibrato effect of predetermined extent in the signal supplied thereto, and means for amplifying and translating into sound the outputs of said vibrato apparatuses.

2,583,567
PAPER CLAMP
Anton G. Hanson, Minneapolis, Minn.
Application June 6, 1949, Serial No. 97,375
2 Claims. (Cl. 24—66)



1. A memo pad holder comprising a body forming a flat pad supporting portion and having a slot formed therein adjacent one end of said pad supporting portion, a projection formed on the wall of said slot adjacent said pad supporting portion in spaced relation below the top of said slot and extending into said slot, a resilient sheet metal pad holding clip bent to form an overlying pad holding portion and an anchoring portion disposed at an acute angle relative to said pad holding portion, the bend engaging the upper portion of the side of said slot remote from said pad supporting portion with a fulcrum action to urge the pad holding portion resiliently downwardly against the top surface of the pad supporting portion and to urge at least a part of the lower portion of said anchoring portion against the projection carrying wall of said slot and said anchoring portion having an aperture formed in the near wall engaging portion thereof adjacent said projection to receive said projection and resiliently retain the anchoring portion in said slot and simultaneously apply downwardly exerted resilient pressure on the pad holding portion of said clip.

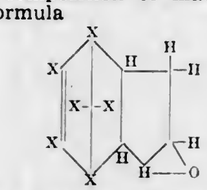
2,583,568
YARN FURNISHING MECHANISM
Edward J. Heizer, West Caldwell, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application September 6, 1946, Serial No. 695,116
3 Claims. (Cl. 28—71.5)



1. In a yarn furnishing mechanism, the combination of a drive shaft, a feed roll mounted on said shaft, a second feed roll adapted to engage said first roll and be rotated thereby, an arm pivotally mounting said second roll, spring means engaging said arm to place said second roll in engagement with said first roll, and a lever having a portion engaging a portion of said arm to move said arm into a position whereby said second roll is out of engagement with said first roll, said arm and lever portions being constructed and arranged for latching said second roll in out of engagement position and said spring means cooperating to urge said arm in a position to frictionally retain said arm and lever portions in latching position.

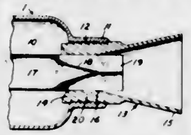
2,583,569
PRODUCTION OF A NEW COMPOSITION OF MATTER
Simon H. Herzfeld and Morton Kleiman, Chicago, Ill., assignors to Velsicol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 28, 1950, Serial No. 170,952
5 Claims. (Cl. 260—348)

1. A new composition of matter having the structural formula



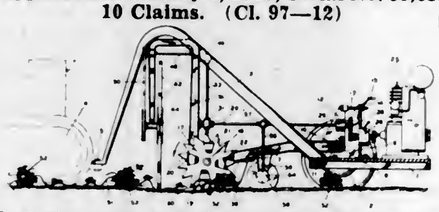
wherein X is a halogen of the group consisting of chlorine and bromine and all of the X's are the same.

2,583,570
NOZZLE FOR ROCKET MOTORS
Clarence N. Hickman, Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War
Application June 28, 1945, Serial No. 602,141
9 Claims. (Cl. 102—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



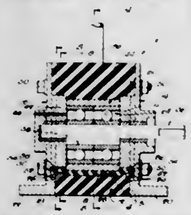
8. In a rocket, casing forming a motor chamber having a constricted rearwardly-directed exhaust passage, a cone having fins extending therefrom and having a rearwardly-directed apex and mounted within the forward end of said exhaust passage in coaxial relation therewith, and means for effecting relative axial adjustment of said cone and passage to thereby vary the effective cross-sectional area of said exhaust passage.

2,583,571
POWER CUTTER FOR VINES, STRAWBERRY RUNNERS, AND THE LIKE
Alfred S. Howe, Silverton, Oreg.
Application January 7, 1949, Serial No. 69,681
10 Claims. (Cl. 97—12)



2. A vine cutting implement comprising a frame supported by wheels, an attaching tongue extending forwardly of the frame, spaced apart beams pivotally mounted on the frame, rotary vine gathering fingers mounted transversely of and on each beam, the respective rotary vine gathering fingers on the beams being spaced apart and arranged in overlapping paths, stub shafts extending inwardly from each beam in rear of the vine gathering fingers, rotary vine cutters mounted on the stub shafts, a series of horizontally disposed vine cutters attached to and extending inwardly from the vine cutters on the stub shafts, and power means for operating the gathering fingers and cutters.

2,583,572
PUMP
Charles Frederick Huber, Middle River, Md., assignor, by mesne assignments, of one-half to Vanton Pump Corporation, New York, N. Y.
Application January 28, 1948, Serial No. 4,814
5 Claims. (Cl. 103—149)

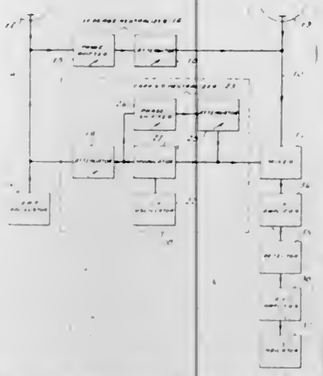


1. A pump comprising a casing provided with a fluid inlet and a fluid outlet, an inner cylindrical surface and opposite side walls at the opposite side edges, respectively, of said surface, said inner cylindrical surface being provided with circumferentially extending ribs at the marginal side edge portions thereof and an intermediate part offset radially outwardly of said marginal side edge portions, an annular fluid-impelling member having a portion overlying said ribs secured in said casing between said inlet and outlet and having its marginal side edge portions in fluid sealing relation to said circumferentially extending ribs at the marginal side edge portions of said surface of the casing and defining with said intermediate offset part of said surface a fluid passage extending circumferentially of said surface from said inlet to said outlet, and means for progressively pressing said fluid-impelling member against said offset surface, the progression of pressing action being along the length of said passage in the direction from said inlet to said outlet, with progressive relief of said pressing action immediately following the latter in the same direction, said side walls being provided with means having a cylindrical projection which extends into the space defined by said inner cylindrical surface, said last mentioned means holding said marginal side edge portions of said fluid-impeller member in said sealing relation to said ribs at the marginal side edge portions of said casing surface, said cylindrical projection being operative to clamp the portion of said fluid-impelling member overlying said ribs between said cylindrical projection and said ribs in a radial direction in fluid sealing relation to said ribs.

2,583,573
RADIO RECEIVING SYSTEM
Edwin T. Jaynes, Washington, D. C., assignor to The Sperry Corporation, a corporation of Delaware
Application November 21, 1945, Serial No. 629,993
11 Claims. (Cl. 343—8)

11. A receiving system for converting a received wave having an angle modulated com-

ponent into an amplitude modulated wave having double sidebands comprising, means for generating concurrent first and second local oscillations having frequencies equally displaced above and below the carrier frequency of said received



wave, a mixer coupled to said generating means for heterodyning the received wave with said first and second local oscillations, and means coupled to said mixer to receive the output therefrom for amplifying and demodulating resultant amplitude modulated wave.

2,583,574

ACROLEIN AND SULFUR HALIDE PROCESS TO STRENGTHEN PROTEIN FIBERS

Harrison W. Jones, Berkeley, Walter J. Thorsen, Napa, and Harold P. Lundgren, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application August 30, 1949, Serial No. 113,242
2 Claims. (Cl. 8—127.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for the chemical modification of protein fibers which comprises impregnating the fiber with an aqueous solution of acrolein having a concentration from about 20% to saturation at a temperature from about 4° C. to about 120° C. to chemically combine acrolein with the fiber, washing and drying the fiber, then impregnating it with a solution of sulphur halide in an inert, organic solvent at a temperature from about 20° C. to about 120° C.

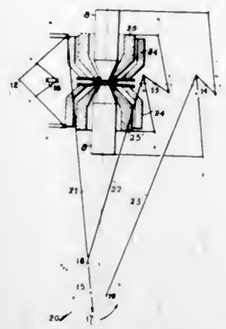
2,583,575

WELDING MACHINE

Ernest Katz, Haifa, Palestine; now by judicial change of name Ernest Henry Casson

Application August 9, 1947, Serial No. 767,714
In France April 21, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 21, 1962
5 Claims. (Cl. 219—4)

1. A spot welding machine for uniting fusible sheet metal pieces, which are superpositioned to each other to form, respectively, outer work pieces and an intermediate work piece having a perforation; comprising annular holding means for pressing said work pieces together, annular electrodes for applying electric heat to and deforming said outer work pieces at the location of said perforation of said intermediate work piece to thereby obtain dents in said outer work pieces for contact with each other in said perforation, spot welding electrodes for applying welding heat to said outer work pieces at the location of said dents, guide means operatively connected to said holding means, said annular electrodes, and said



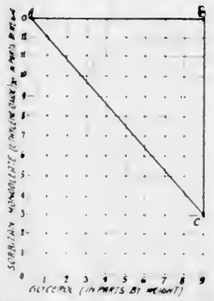
spot welding electrodes, respectively, and means for moving said guide means in predetermined sequence.

2,583,576

CLEAR AQUEOUS SOLUTIONS OF OLEAGINOUS COMPOSITIONS

Charles J. Kern, Long Island City, Thomas Antoshkiw, Stapleton, and Michael R. Maiese, Brooklyn, N. Y., assignors to American Home Products Corporation, New York, N. Y., a corporation of Delaware

Application December 11, 1948, Serial No. 64,895
13 Claims. (Cl. 167—81)



1. A composition of matter comprising a clear solution of a glyceride oil, sorbitan monooleate (ethylene oxide)$_{20}$, glycerol and water wherein for each part by weight of oil there is present 11 parts combined weight of glycerol and water, there being not less than 0.1 and not more than about 9 parts by weight of glycerol in the composition while the amount of partial ester may be calculated from the formula $S=M+K\ (9-G)$ wherein S and G stand for the parts by weight of partial ester and glycerol respectively while M stands for the minimum amount of partial ester that may be used with the maximum amount of glycerol permitted in the compositions and K is a value equal to the operable amount in parts by weight of partial ester permitted in the composition divided by the operable amount in parts by weight of glycerol permitted in the composition.

2,583,577

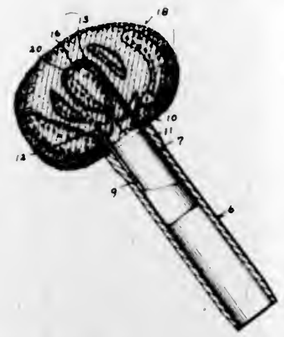
CORING TOOL

William A. Kingsbury, Oakland, Calif.

Application May 24, 1947, Serial No. 750,285
4 Claims. (Cl. 30—279)

4. A coring tool comprising a tubular portion having a transverse cutting edge for at least half

of its circumference at its forward end and a laterally and terminally sharpened rectangular cutting blade portion extending forwardly from the remainder of the circumference longitudinally



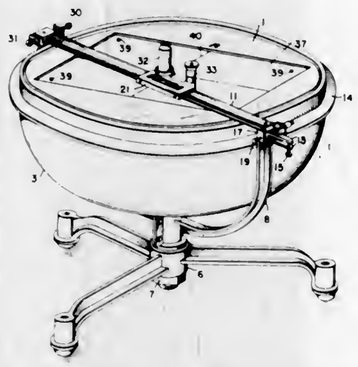
of the tubular portion as a longitudinal extension of a side part thereof, the cutting blade having a curvedly inturned outer portion thereof terminating substantially in the axial line of the tubular portion.

2,583,578

TEMPLET ETCHING DEVICE

Richard I. Lowndes, Jr., Cleveland, Tenn.

Application April 11, 1950, Serial No. 155,314
6 Claims. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



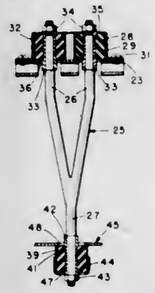
1. An apparatus for transferring radial lines from a translucent map to a translucent template comprising: a translucent plate having a flat surface for receiving the map and the template above the map; a frame for fixedly mounting the translucent plate; a bar mounted for rotation in a plane parallel to the plate; means for so mounting the bar comprising a rotatable yoke; the bar having a straight edge; a sliding carriage mounted by the bar and guided by the straight edge; a magnifying sighting tube, having a sighting mark, and an etching needle unit both mounted upon the carriage; the point of the needle and the sighting tube mark being in a line parallel to the straight edge; the frame having a circumferential rim; a clamp having jaws pivotedly mounted upon the yoke in position to seize the rim, a pivot mounting for said jaws being laterally displaceable with respect to the yoke; adjusting means having a surface adapted to be brought to position to bear force against the clamp mounting to displace the yoke laterally, about its axis of rotation, with respect to the clamp, when the clamp is previously fixed in position; means for depressing and guiding the needle into template etching position in a line at a right angle to the flat surface of the translucent plate.

2,583,579

MACHINE SUSPENSION

Alvin Lodge, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application September 27, 1946, Serial No. 699,877
1 Claim. (Cl. 210—63)



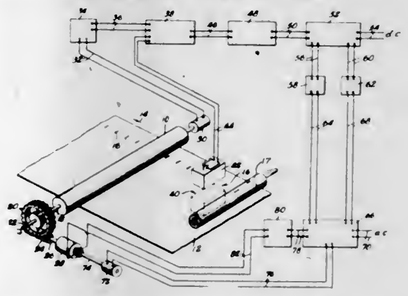
In a washing machine, a relatively stationary support, a suspended mass comprising container drive mechanism and a container rotatable about a vertical axis and adapted to contain an unbalanced load, and a flexible vibration isolating suspension between said support and said mass comprising a plurality of circumferentially spaced links extending in the general direction of the container axis, each of said links having one of its ends bifurcated, and resilient means for connecting the ends of each link to said support and mass respectively, said resilient means comprising resilient bodies secured to the ends of the bifurcations of each link, a resillent body secured to the opposite ends of each link, and means for attaching said resilient bodies to said support and mass respectively.

2,583,580

WEB REGISTER CONTROL SYSTEM

John W. Ludwig, New Canaan, Conn., assignor, by mesne assignments, to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

Application January 8, 1947, Serial No. 720,869
23 Claims. (Cl. 271—2.6)



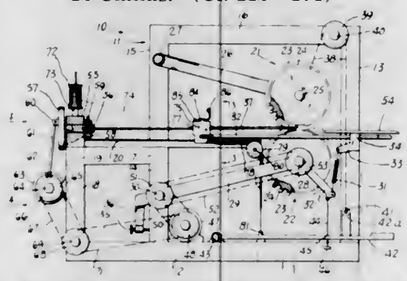
2. Register control apparatus for a system including a cyclically movable element for operating on a moving strip of material; comprising means actuable by such a strip for sensing times

of arrival thereof at positions requiring definite positioning of said element in its movement cycle, means operated in timed relation with said element and responsive to said strip actuable means for sensing the exact instant position of said element in its movement cycle at such strip arrival instants, and means responsive to said last named sensing means for rectifying variance from registration between said element and such a web as a function of the error between the sensed actual instant exact position of said element and the definite positioning required at such instants.

2,583,581
METAL COATING
Hiram S. Lukens, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of War
No Drawing. Application July 1, 1947, Serial No. 758,467
8 Claims. (Cl. 204—35)

1. A process of forming a thin non-porous coat on a metallic base, comprising depositing a porous silver coat of a thinness of less than about .0015 inch on said base, immersing said coated base as an anode in an electrolytic solution capable of electrochemically forming with said silver a water-insoluble fusible silver salt having a lower melting point than said metallic base and silver, passing an electric current through said anode and through said electrolytic solution until said porous silver coat has been partly converted into a water-insoluble silver salt, and heating the surface of said coated base to at least the melting point of said silver salt but below the melting point of said metallic base and of silver, whereby said silver salt is melted and flows into the pores of said thin porous silver coat and conjointly therewith forms a thin non-porous coat on said base.

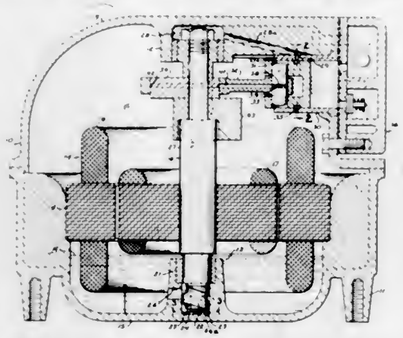
2,583,582
APPARATUS FOR APPLYING A BASTING STITCH TO FABRICS
Morris S. Malek and Jack H. Malek, New York, N. Y.
Application July 24, 1947, Serial No. 763,184
12 Claims. (Cl. 112—174)



11. An apparatus comprising a sewing eyed needle mounted for solely oscillatory movement through an angle on its longitudinally fixed axis, means operatively associated with said needle for crimping and moving a fabric longitudinally onto the needle in crimped condition, and means for causing oscillation of the needle about its longitudinal axis through a predetermined angle.

2,583,583
COMPRESSOR PUMP
John R. Mangan, La Crosse, Wis.
Application October 20, 1948, Serial No. 55,450
8 Claims. (Cl. 230—206)

1. A compressor unit of the character described comprising a casing, power means within said casing including a member rotatably driven about a vertical axis, said casing having in the bottom thereof a bath of lubricating liquid, a mechanism on said casing above the liquid level of said bath and driven by said power means, a cylindrical bottom chamber in said casing below said liquid level, an upper chamber in said casing above said liquid level, a passage through said member communicating adjacent the upper and lower ends thereof with said upper and lower chambers respectively, inlet means from said



bath of lubricating liquid to said bottom chamber above the lower end of said passage in said member, helical threads on the lower end of said member rotatable therewith within said bottom chamber in one direction by the power means to compress lubricating liquid received in the bottom chamber from said bath through said inlet means, said compression liquid thereby being forced upwardly through said passage and into said upper chamber, and conduit means for supplying lubricating liquid from said upper chamber to said mechanism.

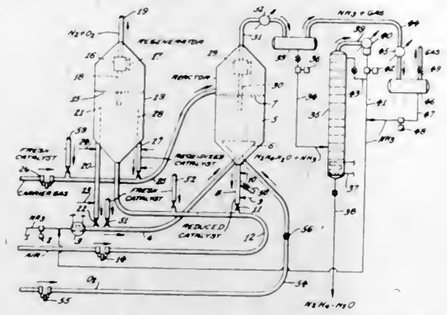
2,583,584
PRODUCTION OF HYDRAZINE HYDRATE
Walton H. Marshall, Jr., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application August 6, 1946, Serial No. 688,718
14 Claims. (Cl. 23—190)

1. A method for producing hydrazine hydrate which comprises contacting ammonia with an effective quantity of oxygen in a gaseous state in a mol ratio of ammonia to oxygen of at least 5:1 at a temperature between about 100° C. and about 400° C. and at super-atmospheric pressure in the presence of a catalyst selected from the group consisting of silver, tin, zinc, lead, cadmium and their oxides, the contact time at the operating conditions selected being limited to restrict the disappearance of ammonia per pass to less than 20% of that charged to the reaction zone, such that hydrazine hydrate is produced.

2,583,585
PRODUCTION OF HYDRAZINE HYDRATE
Walton H. Marshall, Jr., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application August 6, 1946, Serial No. 688,719
21 Claims. (Cl. 23—190)

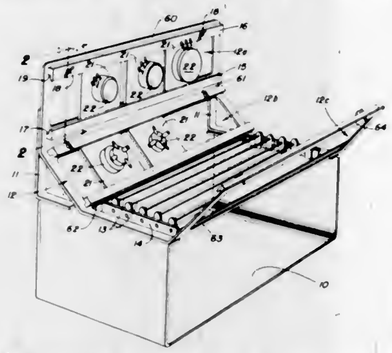
1. A method for producing hydrazine hydrate which comprises: contacting ammonia with an effective quantity of a contact agent comprising a reducible metal oxide in a mol ratio of ammonia to net available oxygen of at least 5:1

in a reaction zone at an elevated temperature and at super-atmospheric pressure to oxidize the ammonia to hydrazine hydrate and reduce said metal oxide, said reducible metal oxide being the major source of oxygen for the hydrazine-producing reaction and the contact time at the operating conditions selected being limited to restrict the conversion of ammonia per pass to less



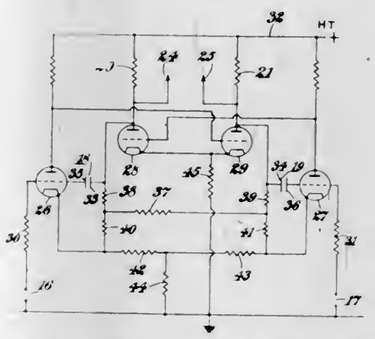
than 20% of that charged to the reaction zone; continuing contact of said metal oxide with said ammonia until the metal oxide is substantially reduced; withdrawing metal oxide from contact with ammonia; bringing a fresh supply of unreduced metal oxide into contact with said ammonia and withdrawing the hydrazine hydrate reaction product from the reaction zone.

2,583,586
MOUNTING CHASSIS FOR ELECTRICAL AND ELECTRONIC CIRCUIT ELEMENTS
Adam E. Miller, Baltimore, Md.
Application November 14, 1949, Serial No. 127,210
12 Claims. (Cl. 175—298)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A mounting chassis for a plurality of electrical or electronic circuit elements comprising a frame formed to delineate a circuit element mounting area, said frame having a groove formed along one area delineating edge thereof, a readily fastened and unfastened clamping means extending along another area delineating edge of said frame, an individual mounting plate for each of the elements, said plates being each adapted to have individual elements removably secured thereto, to be mounted in said groove, and to be fixed in position on said frame by said clamping means, and electrically conducting bus bars carried by said frame to provide ready electrical interconnection between circuit elements thus mounted, thereby providing a permanent means for assembling varying types of circuits in breadboard fashion enabling a ready mounting, dismounting, arrangement, rearrangement, and interchange of individual circuit elements of various shapes and sizes upon said frame and a changing of elements secured to said plates.

2,583,587
ELECTRIC INTEGRATING CIRCUIT
Frederick Roger Milsom, Boreham Wood, England
Application August 12, 1948, Serial No. 43,949
In Great Britain August 6, 1947
7 Claims. (Cl. 250—27)



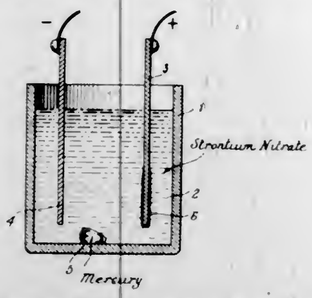
7. An integrating circuit for the algebraic integration of two electric signals comprising two similar grid-controlled anode-loaded amplifying tubes, two similar phase reversing amplifiers, a first condenser means connecting the control grid of one of said tubes and the plate of one of said amplifiers, a second similar condenser means connecting the control grid of another of said tubes and another of said amplifiers, the control grid of said other of said amplifier being connected to the plate of said first tube, the control grid of said first named amplifier connected to the plate of said other tube, and two similar signal supply circuit portions respectively connected to supply signals to each of two said tubes whereby said signals may be integrated and a desired value relation thereof is determined.

2,583,588
LESS INFLAMMABLE HYDRAULIC FLUID
James Calvin Mosteller, Fairfield, Ohio
No Drawing. Application June 8, 1949, Serial No. 97,931
1 Claim. (Cl. 252—78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A homogeneous composition of matter suitable for use as a hydraulic fluid, comprising:

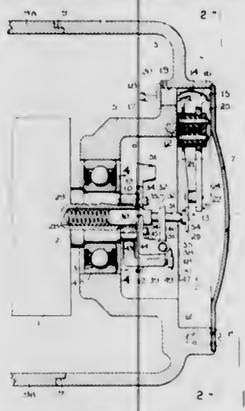
	By weight
A polymer of mono-chloro-tri-fluoro-ethylene having a specific gravity of 1.94 at 25° C	15% to 25%
A petroleum fraction of paraffinic and naphthenic constituents similar to cetane in molecular weight, volatility and viscosity	35% to 45%
A liquid di-octyl methyl methacrylate polymer soluble in white lubricating oil	7% to 13%
A white lubricating oil	6% to 10%
2-6-di-tertiarybutyl, 4-methyl phenol, about 0.4% tetra-chloro-tetra-fluoro-propane	25% to 35%

2,583,589
ELECTRIC CURRENT GENERATOR
Frank O'Connor, New York, N. Y.
Application June 21, 1950, Serial No. 169,407
5 Claims. (Cl. 136—100)



1. A current generator comprising a container, an aluminum electrode located therein and surrounded by an electrolyte consisting of a solution of strontium nitrate and mercury.

2,583,590
CENTRIFUGAL SWITCH FOR INDUCTION MOTORS
Ervin J. Osterhus, Cleveland, Ohio, assignor, by mesne assignments, of 30/100 to Ralph R. Roemer, 35/100 to Louise E. Roemer, 25/100 to William R. Kiefer and 10/100 to J. Everette Tompkins, all of Cleveland, Ohio
Application September 10, 1947, Serial No. 773,278
2 Claims. (Cl. 200—80)

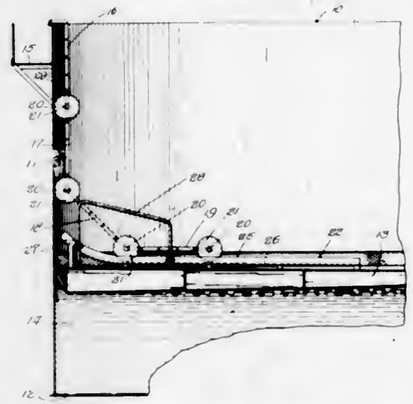


1. In a centrifugal switch mechanism, a rotary shaft having a free end portion; a switch operating element mounted to reciprocate axially of the shaft; a switch comprising contacts, and a switch element movable in the axial direction of the shaft to engage and disengage the contacts, and spring-biased toward contact-open position; a portion of the switch operating element normally engaging the switch element, and a spring holding the switch operating element in one reciprocatory direction and overpowering the spring-bias of the switch element and normally holding the contacts closed; shoulder means on the switch operating element; a frame mounted on the free end portion of the shaft and rotatable therewith; a centrifugal actuator pivoted on the frame and comprising a weighted arm at one side of the shaft axis and movable toward and from the shaft axis, and an actuating arm extending transversely of the shaft axis and movable axially, upon rocking of the actuator by centrifugal force on the weighted arm; an actuator spring opposing rocking of the actuator; the actuating arm being normally out of engagement with the shoulder means and movable into engagement therewith and then retracting the switch operating element against the tension of its holding spring to permit the switch to open, upon pivoting movement of the actuator effected by centrifugal force on the weighted arm at a predetermined rotary speed of the shaft, determined by the tension of the actuator spring.

2,583,591
METHOD FOR RECOVERY OF VANADIUM-FREE CHROMATE
Tom S. Perrin and James N. Jenkins, Painesville, Ohio, assignors to Diamond Alkali Company, Cleveland, Ohio, a corporation of Delaware
Application November 13, 1948, Serial No. 59,935
10 Claims. (Cl. 23—51)

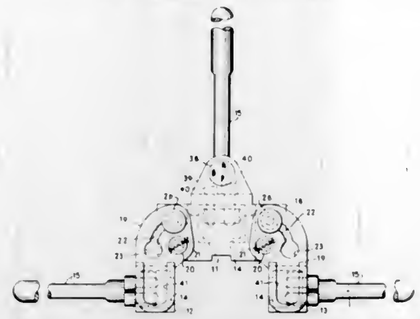
1. The method of purifying alkali metal chromate solutions with respect to vanadium, which includes the steps of providing a source of lead ions in an aqueous solution comprising chromates and vanadates, said source of lead ions being added to the solution in an amount sufficient to provide 15–30 parts by weight of lead per part by weight of vanadate calculated as VO_3 to coprecipitate substantially all of the vanadate ions and a minor proportion of the chromate ions from said solution as their lead salts, and separately recovering the substantially vanadium-free chromate solution.

2,583,592
JOINTED LADDER FOR FLOATING ROOFS
Robert Hunter Pogue, Birmingham, Ala., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application March 26, 1947, Serial No. 737,244
4 Claims. (Cl. 228—1)



1. In a liquid storage tank having a floating roof, means of descent from the top of the tank to the roof comprising: a plurality of ladder sections hingedly connected together, a guideway on the roof extending inwardly and downwardly from adjacent the tank wall, one end of said ladder being attached to the top of the tank with a portion of the ladder depending from the point of attachment and the remainder resting on said guideway, and each of said sections being provided with means adapted to engage and move sections of the ladder over the guideway as the roof rises and falls.

2,583,593
DIPPING FORM
Daniel P. Reynolds, Massillon, Ohio
Application January 3, 1949, Serial No. 68,829
12 Claims. (Cl. 18—41)

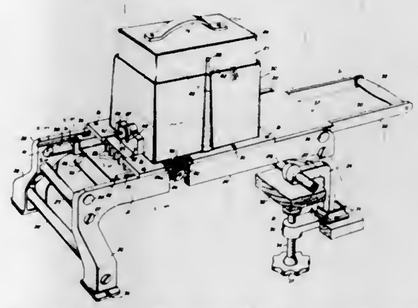


1. A dipping form comprising a center frame, a pair of edge frames one of which is adjacent each side of said center frame, a plurality of elongate molds secured to each of said frames and extending therefrom in parallel relation, an end frame secured to each end of said center frame, a pair of support plates having arcuate slots of substantially ninety degrees in length with enlarged ends therein associated with each of said end frames with one plate adjacent each lateral margin of such frame, a pivot pin engaged with each of said support plates and said end frames to secure said support plates pivotally to the form, said pivot pins being positioned below said slots with each slot extending upwardly and outwardly of the apparatus when same is inverted with the said edge frames adjacent said center frame and with such pins being closer to the longitudinal centerline of the form than the upper ends of said slots, a uniform normal diameter lock rod extending between said support plates and engaged with said end frames and said slots in said support plates, said lock rods having reduced diameter zones adjacent each end thereof in the portion of same engaged with said slots and which are adapted to engage with any portion of said slots, the normal diameters of said rods being adapted to engage only the enlarged ends of said slots, stop means carried by said lock rods adjacent one end of each rod, and resilient means compressed between said stop means and said end frame thereadjacent to urge said rods in one direction and normally seat a normal diameter portion of same in the enlarged ends of said slots to lock the edge frames in a given position, said pivot pins, slots and lock rods being adapted to permit individual arcuate movement of said edge frames to positions more remote from said center frame and with the molds carried thereby extending substantially normally to the molds carried by said center frame upon compression of said resilient means by longitudinal movement of said lock rods to release said support plates.

2,583,594
ESTERIFICATION OF POLYENE ACIDS
Charles D. Robeson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 22, 1950, Serial No. 157,622
17 Claims. (Cl. 260—410.9)

1. The method of esterifying an α,β-unsaturated polyene acid without affecting the unsaturation thereof which comprises reacting, in a ketone, an α,β-unsaturated polyene monobasic organic acid and an alkyl halide in the presence of a metal carbonate.

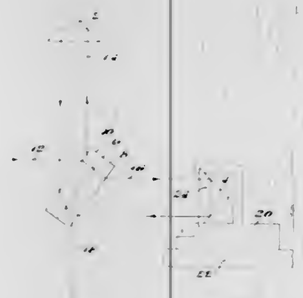
2,583,595
FOOD CUTTING APPARATUS
Albert Rodel, New York, and Karl E. Schukraft, Brooklyn, N. Y.; said Schukraft assignor to said Rodel
Application December 11, 1948, Serial No. 64,868
4 Claims. (Cl. 146—78)



1. In food cutting apparatus, a pair of U-shape members spaced in an inverted manner from each other in a horizontal plane and secured to a table-like surface, a surface of each of said members including a horizontal groove, said grooves being coextensive in opposing relation in a horizontal plane, a resilient bumper disposed at the ends of each of said grooves, a cutting mechanism comprising a pair of spaced bars spaced in a horizontal plane, a plate so attached to said bars in proximity of corresponding ends thereof as to provide a predetermined space between the uppermost edges of said bars and the undersurface of said plate, a plurality of rollers mounted on each of said bars in a horizontal plane, said rollers being accommodated for slidable movement in said grooves whereby said mechanism is movable slidably on said members in a horizontal plane between said bumpers in cutting and non-cutting strokes, a cutting element including a trough having two opposite sides formed in integral inverted L-shape portions, a knife mounted on said L-shape portions adjacent corresponding ends thereof, said trough having an opening beneath said knife, a plurality of knife blades mounted in spaced relation in said trough adjacent a transverse edge of said opening, said knife blades having their cutting edges disposed in the direction opposite to said opening, corresponding surfaces of each of said L-shape portions having a slot, said element being positioned on said support so that said L-shape portions engage said bars and so that corresponding ends of said last-mentioned portions adjacent said knife are disposed in said predetermined space above said bars and beneath said plate, and a device for locking said cutting element on said support, said device comprising a U-shape strap, a finger grip on said strap, a dog formed on an end of each vertical leg of said strap, a pair of pivots for pivotally mounting said strap on said bars so that said dogs may be projected through and withdrawn from said slots under control of said finger grip said pivots being mounted off the center of said vertical legs, and a hopper positioned above said mechanism on said members for containing the food being cut, said knife blades slitting the lowermost portion of the food in parallel vertical planes and said knife cutting substantially the

sliced food portion in a horizontal plane just below the uppermost ends of the vertical slits thereby cutting off the slitted portion during the slidable movement of said support in the cutting stroke, the cut-off food portion falling through said opening and into a receptacle positioned below said hopper, said hopper having a hollow interior so proportioned as to enclose entirely said knife blades and said knife during the cutting and non-cutting strokes of said mechanism, said off-center pivots tending to cause said locking device to further lock said cutting element on said mechanism during the cutting strokes thereof.

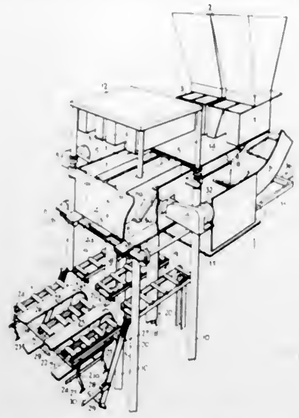
2,583,596
OPTICAL SYSTEM FOR PATH-LENGTH MULTIPLICATION IN INTERFEROMETERS
Elihu Root, III, Springfield, Vt.
Application January 6, 1948, Serial No. 707
7 Claims. (Cl. 88—14)



1. In an interferometer including means to divide an incident beam into two branches, the combination of reflecting devices for the separate branches, at least one of said reflecting devices comprising a prism having at least two mutually perpendicular internal reflecting surfaces, said prism having a transparent projecting layer symmetrically disposed on a part of the surface exposed to the incident light, the thickness of said layer being a fraction of a wavelength of light whereby a ray traversing said layer is retarded in phase with respect to a ray striking another part of the prism.

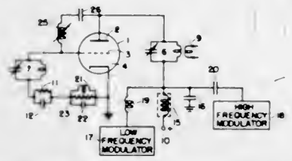
2,583,597
CONCRETE BLOCK MOLDING MACHINE
Arthur Ryner, London, England, assignor to American Aggregate Company, Kansas City, Mo.
Application April 17, 1947, Serial No. 742,102
In Great Britain April 20, 1946
5 Claims. (Cl. 25—41)

1. In a concrete block making machine, a mould box having a pair of spaced-apart vertical openings therethrough; a vertically reciprocable pallet underlying said mould box and adapted to close the bottom of said openings when at one end of its path of travel; means for shifting said pallet to and from said underlying relationship with the mould box when said pallet is at the opposite end of its path of travel, said mould box having a partition setting off said openings and provided with a recess extending thereinto from the lower-most end thereof, said recess interconnecting said openings; and means for moving a tie member



into said recess and said openings for reinforcing the block to be formed by said mould box.

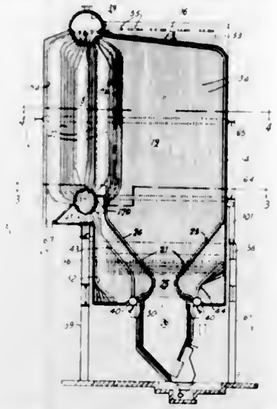
2,583,598
MODULATION
Bernard Salzberg, Washington, D. C.
Application November 13, 1945, Serial No. 628,334
10 Claims. (Cl. 332—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A modulation circuit comprising a vacuum tube having a control grid, an anode, said electrodes having distributed capacitances therebetween, and a cathode, means for applying a carrier frequency voltage between the control grid and cathode, modulating means for applying a high frequency modulation voltage to the anode, said modulation frequency voltage being operative to apply a high modulation frequency current drive on the grid through said distributed capacitance, and inductive means connected between the grid and anode operative to resonate the grid-anode capacitance in parallel at the high modulating frequencies.

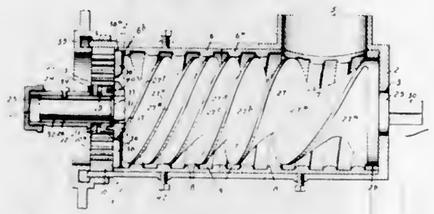
2,583,599
BOILER AND FURNACE WALL SUPPORT
Glen J. Schoessow, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application March 14, 1946, Serial No. 654,239
13 Claims. (Cl. 122—235)

1. A vapor generating unit comprising a vertically arranged bank of generating tubes, upper and lower horizontally extending drums connected to said tubes, means for bottom-supporting said drums and tube bank, a laterally offset furnace combustion chamber at one side of said tube bank and having upright boundary walls lined with upright generating tubes, said walls including a pair of opposing walls extending substantially parallel to said drums and having the tubes thereof extending to and connected to said upper drum, said opposing walls and the wall tubes thereof having integral inclined lower portions converging downwardly at elevations below said lower drum, and means for vertically supporting said boundary walls including weight support



means engaging said opposing wall tubes above said inclined lower portions at approximately the elevation of said lower drum, said weight support means including means securing the tubes of one of said opposing walls to said bottom-supported lower drum.

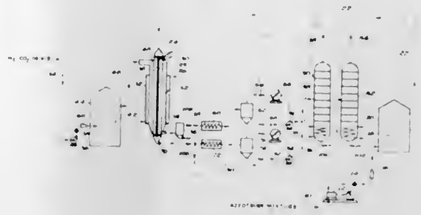
2,583,600
FEED GRINDING AND DIE EXPRESSING MACHINE
Allen B. Schreiber, St. Joseph, Mo.; Hazle V. Schreiber executrix of Allen B. Schreiber, Sr., deceased
Application September 23, 1948, Serial No. 50,787
9 Claims. (Cl. 107—14)



1. In a grinding and die expressing machine, a perforated die plate having a bore therethrough and an annular groove in one face thereof circumscribing the bore; a tubular bushing in said bore; a shaft rotatably mounted in said bushing and provided with an external, annular collar disposed in the bore and bearing against one end of said bushing; a bladed knife member mounted on the shaft for rotation therewith in engagement with said one face of the die plate; and an annular ring on the knife member extending into said groove for rotation therewithin.

2,583,601
DIFFUSION
Frederick Anton Schwertz, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application May 7, 1947, Serial No. 746,593
12 Claims. (Cl. 183—115)

12. In a method of separating the components of an azeotropic mixture of water and pyridine, the steps of passing the vapors of said azeotropic mixture across one face of a porous diffusion boundary through a zone maintained at a temperature above that at which condensation of said vapors occurs, passing a fixed sweep gas across the other face of said porous diffusion boundary through a zone maintained at a temperature low enough to condense a substantial portion of the vapors of said azeotropic mixture passing through said boundary to thereby form in said lower temperature zone a condensate having a substantially larger proportion of water than said azeotropic mixture, removing the condensate from said second passage, distilling said condensate to separate the azeotropic mixture from the water present therein, cooling the gases discharged from said higher temperature zone to thereby condense the vapors of said azeotropic mixture present therein, cooling the gases discharged from said lower temperature zone to thereby condense the vapors of said azeotropic mixture present therein, and distilling the condensates derived from the gases discharged from said passages to separate the azeotropic mixture from the pyridine present therein.



2,583,602
STABILIZATION OF SOYBEAN OILS WITH P-TOLUENE SULFONIC ACID
Arthur W. Schwab, Cyril D. Evans, and John C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application March 30, 1951, Serial No. 218,514
2 Claims. (Cl. 99—163)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Soybean oil containing p-toluene sulfonic acid as a stabilizer.

2,583,603
SUBSTITUTED THICKENER LUBRICATING GREASE
Aurelio F. Sirianni and Ira E. Puddington, Ottawa, Ontario, Canada, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a body corporate of Canada
Application December 18, 1948, Serial No. 66,130
9 Claims. (Cl. 252—28)

1. A lubricating composition consisting essentially of mineral base lubricating oil thickened to a grease-like consistency by 1 to 20% by weight, based on the total composition, of an inorganic oxygen containing gel voluminous precipitate having its normal liquid content replaced by said lubricating oil, and 0.5 to 2% of a polystyrene water-proofing agent covering said precipitate in a compressed substantially monolayer coating to inhibit moisture absorption by said precipitate.

2,583,604
LUBRICATING GREASE
Aurelio F. Sirianni and Ira E. Puddington, Ottawa, Ontario, Canada, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a body corporate of Canada
No Drawing. Application December 18, 1948, Serial No. 66,131
10 Claims. (Cl. 252—28)

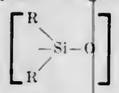
1. A composition consisting essentially of an oily synthetic ester of a dibasic acid thickened to a grease-like consistency with 1 to 20%, dry weight, based on the total composition, of silica gel having its normal water content substantially entirely replaced by said oily ester, and 10% to 100% of an organosilicon polymer waterproofing agent, based on the dry weight of gel, to inhibit moisture absorption by said gel.

2,583,605
SILICA BASE LUBRICATING GREASE
Aurelio F. Sirianni and Ira E. Puddington, Ottawa, Ontario, Canada, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a body corporate of Canada
No Drawing. Application December 18, 1948, Serial No. 66,132
4 Claims. (Cl. 252—21)

1. A lubricating grease composition consisting essentially of mineral base lubricating oil thickened to a grease consistency with 1 to 20% by weight, based on the total composition, of a silica gel, said gel being waterproofed with 10 to 100% by weight, based on the dry silica content, of a linseed oil modified alkyd resin.

2,583,606
SILICA BASE LUBRICATING GREASES
Aurelio F. Sirianni and Ira E. Puddington, Ottawa, Ontario, Canada, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a body corporate of Canada
No Drawing. Application December 18, 1948, Serial No. 66,133
2 Claims. (Cl. 252—28)

2. A lubricating grease consisting predominantly of mineral base lubricating oil thickened to a grease consistency with silica gel which has its normal water content replaced by said oil, said gel being waterproofed by 10 to 100% by weight, based on the dry weight of the gel, of an organo silicon polymer of general formula

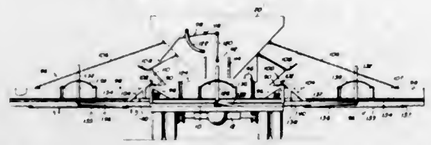


where R is alkyl or alkoxy.

2,583,607
COMPLEX SOAP GREASES
Aurelio F. Sirianni and Ira E. Puddington, Ottawa, Ontario, Canada, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of Canada
No Drawing. Application July 1, 1949, Serial No. 102,711
7 Claims. (Cl. 252—35)

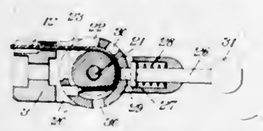
1. A lubricating grease composition consisting essentially of a mineral base lubricating oil thickened to a grease consistency with 5 to 20% by weight, based on the total composition, of a complex polyvalent metal salt of one molar part of C_{12} to C_{24} fatty acid and 3 to 15 molar parts of C_2 to C_8 dibasic carboxylic acid, said salt having its normal water content replaced by said oil to form a stable gel structure.

2,583,608
DISTRIBUTOR FOR DUST AND AGGREGATE
Ralph K. Smith, Rawson, Ohio
Application May 21, 1948, Serial No. 28,339
2 Claims. (Cl. 275—2)



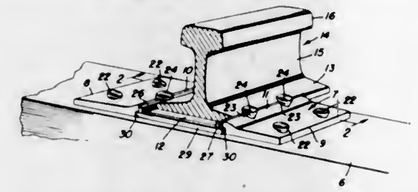
1. In an ambulant distributor for dust and aggregate comprising a wheeled frame, a hopper-like body to contain material to be distributed and having a trough disposed longitudinally thereof, a transverse hopper at the rear end of said trough, a conveyor in said trough to deliver material into said hopper, a spiral conveyor in said hopper and divided to carry said material toward opposite ends of the hopper, lateral conveyors supported at said ends of the hopper and extending colinearly therewith, said lateral conveyors each including a trough with a spiral conveyor operatively mounted therein, said hopper and lateral conveyors having base plates arcuate in cross-section, regularly spaced apertures in said base plates, slide plates with similar apertures slidably mounted on said base plates, means to slide said slide plates individually with respect to corresponding base plates and longitudinally of said base plates to control the degree of registration of said apertures, means to control the rate of flow of material from said body to said hopper including an apertured panel in the hopper-like body and a vertically adjustable door for the aperture in the panel, and means to operate said spiral conveyors, said lateral conveyors having supporting means comprising fixed turntables at the ends of the hopper, plates pivoted on the turntables to allow pivotal movement of the plates in a horizontal plane, upright lugs on the plates, said lateral conveyors being hinged to said plates for pivotal movement relative thereto in vertical planes.

2,583,609
CONTROL MEANS FOR CHAIN SHIFTING CHANGE-SPEED GEARS FOR CYCLES
Jacques Paul Souhart, Paris, France, assignor to "Les Brevets Souhart" S. A., Paris, France, a society of France
Application February 25, 1948, Serial No. 10,628
In France September 6, 1943
6 Claims. (Cl. 74—489)



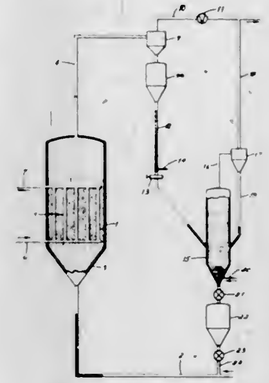
1. In a bicycle and like vehicle, the combination with the handle bar of said vehicle, of a substantially cylindrical plug piece fitted in the rear end portion of one handle of said handle bar, a pulley journalled in said plug piece about an axis transverse to the direction of said handle, a change speed gear control cable connected to said pulley, and a lever operatively connected with said pulley for manually actuating it, said lever extending on the outside of said handle to the rear thereof, whereby it can be actuated by the cyclist's hand without said hand being removed from said handle.

2,583,610
HEAVY-DUTY TIE PLATE AND LIGHT RAIL ADAPTER THEREFOR
Lee Spencer, Phoenix, Ariz.
Application October 21, 1948, Serial No. 55,726
10 Claims. (Cl. 238—287)



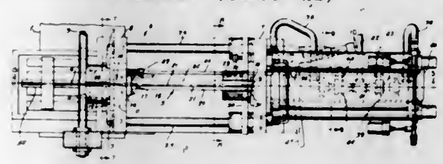
1. In a railway track construction, in combination, a cross-tie, a pre-gauged standard-type tie-plate superimposed at a predetermined place on the surface of said cross-tie, said tie-plate being of a heavy duty size and of conventional construction and embodying a substantially rectangular plate having a flat top surface and a flat bottom surface, the top surface embodying, as usual, a pair of upstanding spaced parallel ribs, the vertical inner faces of said ribs serving to provide substantially uninterrupted shoulders which are adapted to bear against coacting marginal edges of the base flange of a heavy duty conventional-type track rail, the respective outer transverse end portions of said tie-plate having pairs of regulation spike holes punched therein and adapted to accommodate the conventional-type tie-plate hold down spikes, hold down spikes passing downwardly through said spike holes and into said cross-tie and securing the latter to the cross-tie, a standard light duty track rail seated directly on the bed portion of the tie-plate between said shoulders, the longitudinal edges of the base flange of said light duty rail being spaced from said shoulders, removable adapter means, said adapter means being a substantially rectangular loop-type frame, said frame including longitudinal spaced parallel filler members, and offset means connecting said filler members to maintain fixed spaced parallel relationship between said members, each filler member being of continuous one-piece solid form from end-to-end, said filler members completely filling the spaces between said shoulders and the coacting longitudinal edge portions of the base flange of said light duty rail, each filler member being of a length greater than the length of the coacting shoulder, said filler members being polygonal in cross-section, whereby to locate and establish the position of said rail for a prescribed track gauge requirement, the shouldered portion of said tie-plate being provided, at each shoulder location, with additional conventional spike holes, and conventional rail hold down spikes passing downwardly through said additional spike holes, the heads of said spikes bridging over said filler members and being engageable with the base flange of the rail in the usual manner to fasten the rail to the tie-plate, and the filler members to the tie-plate.

2,583,611
METHOD FOR THE SYNTHESIS OF HYDROCARBONS IN THE PRESENCE OF A SOLID ADSORBENT
Frederick W. Sullivan, Jr., Summit, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey
Application July 13, 1946, Serial No. 683,324
6 Claims. (Cl. 260—449.6)



1. A process for effecting catalytic hydrogenation of carbon oxides to produce hydrocarbons, oxygenated hydrocarbons and mixtures thereof, involving continuously passing snythesis gas comprising hydrogen and carbon monoxide through a dense fluidized mass of relatively coarse, solid particle hydrocarbon synthesis catalyst within a reaction zone at an elevated temperature effective for said catalytic reaction, passing through said dense fluidized mass, in suspension in said synthesis gas, relatively fine, adsorbent particles substantially free of adsorbed material and capable of adsorbing a substantial amount of the normally liquid products of reaction at the temperature prevailing in said reaction zone, withdrawing from the upper portion of said reaction zone said adsorbent particles after they have adsorbed said normally liquid products of reaction, recovering the adsorbed products of reaction from the withdrawn adsorbent particles, and continuously maintaining said passage of adsorbent particles through said dense fluidized mass at a rate such that a substantial amount of said normally liquid products of reaction are adsorbed by said adsorbent particles and withdrawn therewith from said reaction zone.

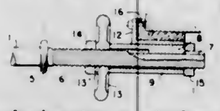
2,583,612
PISTON RING GAPPING MACHINE
Gustave L. Sundberg, Muskegon, Mich., and Charles A. Marien, St. Louis, Mo., assignors to Ramsey Corporation, Wilmington, Del., a corporation of Delaware
Application April 17, 1948, Serial No. 21,658
1 Claim. (Cl. 90—21)



A split piston ring gapping machine comprising a table, a rotary cutter disposed above said

table, a ring loading bar carried by said table, means for moving the rings in abutting relation along said bar to the cutter, and opposed step formations near the discharge end of the loading bar for agitating the rings as they approach the cutter, the steps on opposite sides of the loading bar being in staggered relation.

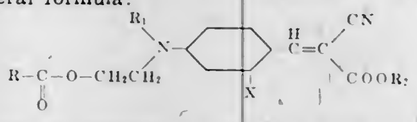
2,583,613
SAFETY BAR FOR WINDOW WASHERS
Newton G. Talbott, Ogden, Utah
Application September 3, 1948, Serial No. 47,701
5 Claims. (Cl. 20—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A safety device for a window comprising a bar, a flange rigidly affixed on the bar toward one end thereof, said flange having a surface extending transversely to the longitudinal axis of the bar, the other end of the bar being screw-threaded, a longitudinally extending key-way slot in the screw-threaded end, a sleeve mounted upon the screw-threaded end, a second flange rigidly affixed to the sleeve, said second flange having a surface extending transversely to the longitudinal axis of the sleeve and of the bar, the ends of the bar extending outwardly beyond said transverse surfaces, a key fixedly mounted by the sleeve and fitting in and longitudinally slidable in said slot, and operating means screw-threadedly mounted on said screw-threaded end of the bar to move said flange longitudinally outwardly the slot and key preventing the second flange from turning about the axis of the bar.

2,583,614
ACYLATED METHINE DYE COMPOUNDS
George J. Taylor, Kingsport, Tenn., and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 13, 1950, Serial No. 161,894
7 Claims. (Cl. 260—465)

1. The methine dye compounds having the general formula:



wherein R represents a member selected from the group consisting of a methyl group, an ethyl group, a propyl group, a $CH_3—O—CH_2—$ group or a $CH_3CH_2—O—CH_2—$ group, R_1 represents an alkyl group having one to three, inclusive, carbon atoms, R_2 represents a member selected from the group consisting of an alkyl group having one to four, inclusive, carbon atoms and a

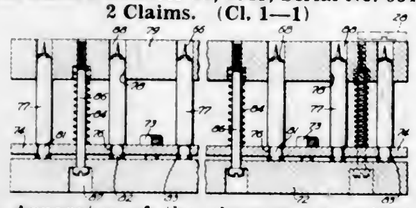
$$—CH_2CH_2—O—R_3$$

group, wherein R_3 represents an alkyl group having one to two, inclusive, carbon atoms and X represents a member selected from the group consisting of a hydrogen atom and a methyl group and wherein when X is a methyl group R_1 may also be a

$$R—C(=O)—O—CH_2CH_2—$$

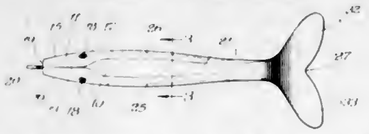
group, wherein R has the meaning previously assigned to it.

2,583,615
APPARATUS FOR MAKING RASP WEBS
Alton E. Tobey, Santa Cruz, Calif.
Application December 11, 1945, Serial No. 634,375
2 Claims. (Cl. 1—1)



1. Apparatus of the character described for driving tacks into a strip of metal of a thickness less than the tangs of the tacks, a die, said die comprising an upper plate, a base plate and a backing plate, said upper plate having a plurality of apertures therein, punch members extending from said base plate into said apertures and having upper surfaces normally below the upper surface of said upper plate and arranged to receive and support tacks in point-up position, means on said upper die plate for supporting and receiving said metal strip, said backing plate having apertures therein arranged in complementary pattern relationship with said upper plate apertures, said backing plate apertures being of a cross-sectional area less than that of said upper plate apertures, said backing plate disposed adjacent said metal strip, said upper plate, metal strip, and backing plate being movable relative to said base plate whereby said tangs will pass entirely through said strip and enter said backing plate apertures.

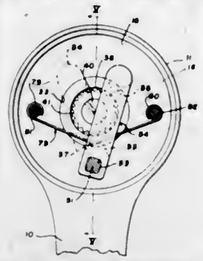
2,583,616
FISH LURE
Clark William Waddell, Chicago, Ill.
Application March 1, 1946, Serial No. 651,332
2 Claims. (Cl. 43—42.48)



1. A fish lure comprising a unit of integral form arranged and adapted to be drawn through the water by a suitable line, having a tail portion and a head portion which is substantially the frustrum of a pyramid; a back having a substantially flat surface narrowing toward said tail portion; side walls extending in a downwardly and inwardly direction and joining a rounded belly portion; an elongated oval concavity on each side wall extending substantially the length thereof; the longitudinal axes of the concavities being in substantial longitudinal parallelism with the surface of the flat back and in cooperative alignment with said tail portion for holding said unit in angular relation with the surface of the water.

2,583,617
RATCHET CONTROL MECHANISM
George M. Walraven and Raymond G. Knudsen, Kenosha, Wis., assignors to Snap-On Tools Corporation, Kenosha, Wis., a corporation of Delaware
Application March 23, 1946, Serial No. 656,550
11 Claims. (Cl. 192—43.2)

1. In a ratchet mechanism, the combination with a handle, of a head associated with said handle, a revolvable member journalled in said head, cooperating pawls and ratchet teeth in said revolvable member and head, a pawl adjusting lever actuator journalled for rotary movement relative to and past said revolvable member for momentary engagement therewith, position indexing means on said head for cooperation by said pawl adjusting lever actuator, means ex-



tending radially on said actuator lever opposite to said indexing means for adjusting the angular position of said pawls relative to said ratchet teeth to regulate the direction of ratcheting, and spring means for normally retaining said pawl adjusting lever actuator free from engagement with said revolvable member in any adjusted position.

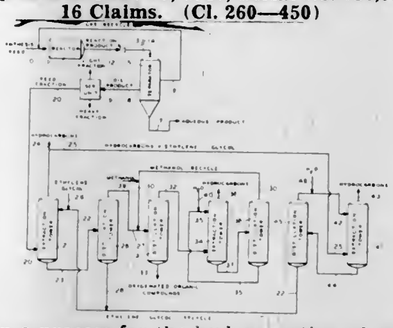
2,583,618
PRODUCTION OF HOT-MOLDED ARTICLES FROM WOOD SAWDUST
Frederick Weyerhaeuser, St. Paul, Minn., assignor to Rock Island Millwork Company, Rock Island, Ill., a corporation of Illinois
Application July 23, 1948, Serial No. 42,263
15 Claims. (Cl. 18—55)

1. The method which comprises applying a film of water to the surface of a metal sheet, covering said wetted surface with a dry uniform mixture of wood sawdust and solid heat-activatable binder therefor in an amount in the range from 4 to 25 parts by weight to 100 parts of bone-dry wood in the sawdust, applying water to the top of said mixture to wet the particles thereof, the total amount of water in the resulting mass being in the range from 12 to 40 parts by weight to 100 parts of bone-dry wood substance, and heating and pressing said mixture to a density in the range from 45 to 65 lbs. per cu. ft. on said sheet between platens having a temperature in the range from 300° F. to 400° F. while the two faces of said mixture are initially wet to dry and bind the mixture as an integral molded body.

2,583,619
PREPARATION OF A RANEY CATALYST SURFACE
Philip C. White, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application March 15, 1944, Serial No. 526,661
2 Claims. (Cl. 252—477)

1. The method of preparing a conversion chamber having catalytically active heat-exchange surfaces for promoting synthesis of exothermic reaction of hydrogen with carbon monoxide and wherein heat is transferred from said catalytic surfaces through a gas impermeable metal wall to a cooling medium which method comprises producing an alloy layer on the reaction zone side of a catalyst-forming metal chamber fabricated of at least one metal of the class consisting of iron, cobalt and nickel to a thickness in the range of about 0.015 to 0.125 inch with an alloying element of the class consisting of silicon, aluminum, and zinc, said alloy layer consisting of between about 35 to 65 weight per cent of the alloying element, leaching the alloy layer with an aqueous solvent which will dissolve the alloying element but not the catalyst-forming metal to remove the alloying element and leave the catalyst forming metal in the form of a fixed skeleton layer integrally bonded to the reaction zone side of the gas impermeable metal chamber, and activating the fixed catalyst skeleton by treatment with hydrogen.

2,583,620
SEPARATION OF ORGANIC COMPOUNDS
John M. Wrightson, North Bergen, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application June 28, 1947, Serial No. 757,912
16 Claims. (Cl. 260—450)



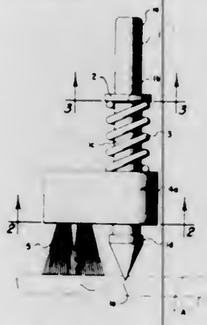
1. In a process for the hydrogenation of oxides of carbon in which is recovered a hydrocarbon-rich phase comprising a mixture of hydrocarbons and oxygenated organic compounds as a product of said hydrogenation and boiling within the range between about 150° F. and about 400° F., the method of treating at least a portion of said hydrocarbon-rich phase which comprises subjecting said portion to a first extraction treatment with a glycol solvent for said oxygenated organic compounds wherein said solvent is higher boiling than the oxygenated organic compounds subjected to extraction, to obtain an extract comprising oxygenated organic compounds and a minor portion of said hydrocarbons and a raffinate comprising a major portion of said hydrocarbons, separately subjecting said extract to a first distillation to separate it into a relatively high-boiling fraction containing solvent and a relatively low-boiling fraction containing oxygenated organic compounds and hydrocarbons, contacting said relatively low-boiling fraction with a light alcohol treating agent to form a minimum boiling azeotrope with hydrocarbons contained in said fraction, subjecting the resulting mixture to a second distillation to separate oxygenated organic compounds from said alcohol-hydrocarbon azeotrope, subjecting said azeotrope to a second extraction treatment with water to obtain an extract comprising said alcohol treating agent and water and a raffinate comprising hydrocarbons, and subjecting said last-mentioned extract to a third distillation to separate it into a relatively low-boiling fraction containing said alcohol treating agent and a relatively high-boiling fraction containing water.

2,583,621
CLUTCH LEVER ASSEMBLY
Reinhold C. Zeidler, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application August 28, 1948, Serial No. 46,660
6 Claims. (Cl. 192—99)



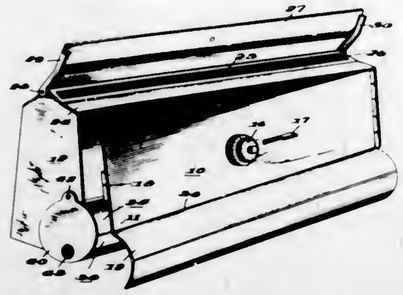
1. A clutch assembly comprising a dished cover secured to a driving member and having a radially inward extending flange, said flange having an aperture therein; a pressure plate housed within said cover and having driving connection therewith; a lever within said cover for axially shifting said pressure plate; a T-shape bolt received in said cover aperture; a knife-edge on the cross-member of bolt; an embossed crown on said lever, said knife-edge being seated in the concave portion of said crown to fulcrum said lever; a washer encircling said bolt and having rocking movement on said lever crown; and a coiled spring surrounding the shank of said bolt between said cover flange and said washer for maintaining said lever engaged with said knife edge and to accommodate rocking movement of said washer.

2,583,622
BRUSH FOR PHONOGRAPH NEEDLES
William H. Zimmerman, San Diego, Calif.
Application April 5, 1947, Serial No. 739,639
6 Claims. (Cl. 274—38)



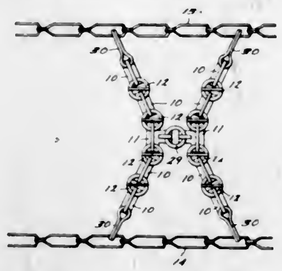
6. In a brush for phonograph needles of the class described, the combination of a needle having a point end, a brush holder freely pivoted to said needle, brush bristles in said holder extending in the same direction as said point end of said needle; and resilient means for moving said bristles toward a phonograph record and relative to said needle, the brush trailing said needle.

2,583,623
TWO COMPARTMENT MAILBOX
Claude J. Amo, Ogdensburg, N. Y.
Application April 20, 1948, Serial No. 22,179
6 Claims. (Cl. 232—24)



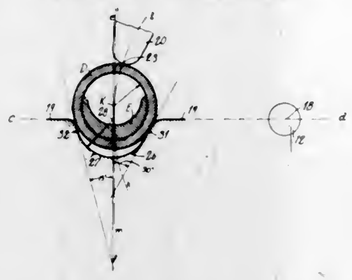
1. A two compartment mail box comprising walls defining a letter receiving compartment, two of said walls being exterior walls of substantially equal length and positioned at an angle to each other, a partition wall extending lengthwise of said two walls and contacting each of them along a line extending in a direction lengthwise of said walls, and a wall member extending from each of said two walls in a direction substantially at right angles to the length of said walls, said wall members having meeting edges in contact with each other and defining, together with said partition wall, an auxiliary compartment for receiving mail bulkier than letter mail, said auxiliary compartment having an end opening whereby said mail is inserted or withdrawn in a direction lengthwise of said partition wall and wall members.

2,583,624
ANTISKID CHAIN FOR AUTOMOBILES
Dante Bartoletti, Burgettstown, Pa., assignor of one-half to Charles W. Cunningham, Burgettstown, Pa.
Application July 30, 1948, Serial No. 41,537
1 Claim. (Cl. 152—243)



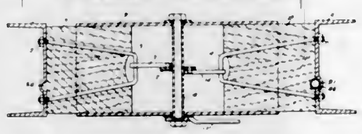
A non-skid tire chain comprising side chains positioned around the opposite sides of a tire, straight links having flat bases with longitudinally positioned centrally disposed outwardly extended webs thereon positioned between the side chains, circular links having outwardly extended cross bars thereon extended through the webs of the straight links connecting the said straight links to provide cross chains with the flat bases of the straight links positioned against the surface of a tire, T-shaped links positioned in said cross chains having flat bases with upwardly extended webs connected by circular links through the webs thereof to the webs of adjoining straight links and also to a corresponding T-shaped link in an adjoining chain, and connecting links connecting the webs of the straight links at the ends of the cross chains to the said side chains.

2,583,625
METHOD OF AND TOOL FOR CRIMPING TUBES
Martin D. Bergan, Westfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application October 29, 1946, Serial No. 706,368
4 Claims. (Cl. 140—106)



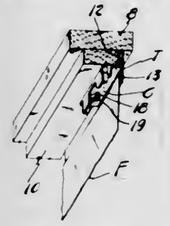
1. A crimping tool comprising two jaws, a pivot connecting the jaws, one jaw provided with a work face having an indentor projecting therefrom and the other jaw provided with a work surface having a recess therein and toward which the indentor approaches intrusion when the jaws approach each other, said work face and work surface intersecting at the axis of the pivot, the bottom of the recess forming in cross section an arc substantially the arc of a circle and approximately symmetrical with respect to a line perpendicular to the plane of said work surface, the sides of the recess adjacent its throat being each substantially straight for at least a portion thereof and said straight sides being inclined towards each other and towards said perpendicular line, the angle made by the straight portion on the side nearest the pivot forming a greater angle with said perpendicular line than does the straight portion on the side remote from the pivot and the arc of movement of the most advanced part of the indentor being tangent to said perpendicular line adjacent the plane of said work surface.

2,583,626
MOLD
Albert H. Buell, Erie, Pa.
Application May 2, 1947, Serial No. 745,457
2 Claims. (Cl. 25—121)



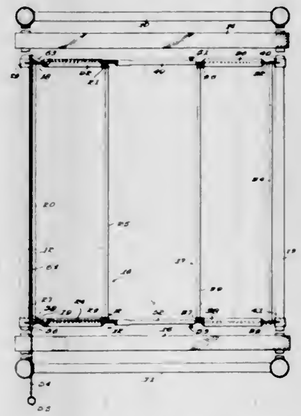
1. A mold comprising spaced, channel shaped, parallel side frame members, opposed, inwardly projecting, longitudinally spaced lugs on the lower inner sides of said side frame members adapted to carry a pattern, open-sided, box-shaped end members, rectangular shaped, slidable members having the outer ends thereof connected to the inner sides of said side frame members guided and being slidable transversely in said end frame members, over-center links connected to the inner ends of said slidable members, a toggle plate connected to said over-center links, a vertically extending shaft disposed centrally of said end frame members mounting said toggle plates, and a tating said toggle plates to move said slidable handle on the upper ends of said shafts for romembers and parallel side frame members outwardly and inwardly in parallel relationship, said side frame members being movable outwardly a sufficient distance to move a pattern past said lugs.

2,583,627
FRAMELESS SCREEN AND STORM WINDOW TOP RAIL SECURING MEANS
Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y.
Application October 22, 1951, Serial No. 252,434
3 Claims. (Cl. 160—327)



1. A top rail and clip for releasably securing a frameless strip of flexible material to the header of a window frame, said header having an installation screw protruding therefrom, comprising a top rail consisting of an elongated strip of material, the top edge being bent back upon the main body to provide an upper overlapping portion, a fastener clip mounted on said top rail and formed with a horizontally disposed section terminating in a vertically disposed lip, said lip being slidably mounted between the main body of the top rail and the upper overlapping edge thereof, and an angularly disposed open passage provided in the horizontally disposed section of the clip for slidable engagement with the shank of said installation screw.

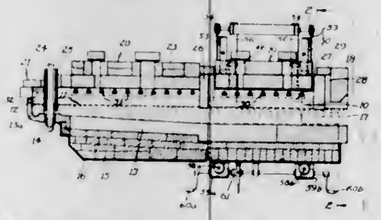
2,583,628
BURIAL APPARATUS
Walter A. Canaday, Bridgeport, Nebr.
Application September 14, 1949, Serial No. 115,709
4 Claims. (Cl. 27—26)



1. In a burial apparatus, the combination with a lowering device including a pair of spaced parallel side shafts, and flexible straps extending

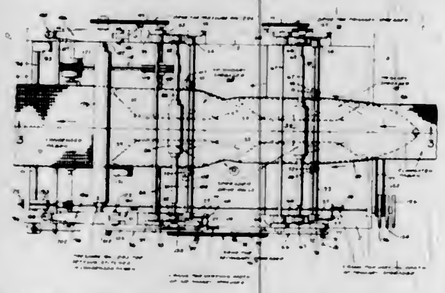
between said shafts, of a means for facilitating the placement of a casket on said straps, said means comprising a pair of frame members mounted for swinging movement about a horizontal axis, each of said frame members comprising a pair of spaced parallel end bars, hook members projecting from the ends of said bars and adapted to pivotally engage said side shafts, fasteners coacting with said hook members for locking said frame members onto said shafts, tubular brace members extending between said end bars and secured thereto, a bracket projecting upwardly from each of said end bars and secured thereto, a tubular member extending between said brackets and secured thereto, a roller carried by each of said brackets, and locking means for maintaining said frame members in horizontal casket supporting position.

2,583,629
FOREHEARTH CONSTRUCTION
Madison M. Cannon, Jr., West Hartford, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware
Application January 29, 1947, Serial No. 725,097
2 Claims. (Cl. 49—54)



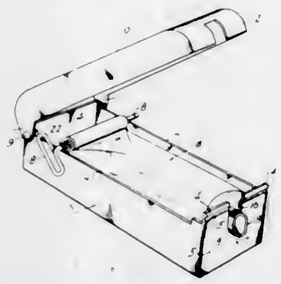
1. A forehearth including a cooling section containing molten glass having a radiant surface, and a top structure movable into and out of substantially continuous contact with spaced walls of said cooling section, said top structure including a radiant surface which, between said spaced walls, looks at and unobstructedly covers all of said radiant glass surface and, in a raised position only, looks out of said forehearth, and wherein the top structure includes an upwardly extending passageway in communication with the atmosphere inside and outside the forehearth.

2,583,630
APPARATUS FOR SHRINKING AND CONDENSING TEXTILE FABRICS
Franklin Chatfield, Minneapolis, Minn., assignor, by mesne assignments, to Frank R. Redman, Yardley, Pa.
Application January 15, 1949, Serial No. 71,176
14 Claims. (Cl. 26 [illegible])



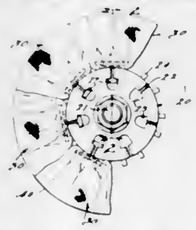
1. In an apparatus for shrinking and condensing tubular knit textile fabrics, a pair of power driven spreaders arranged in tandem and over which the tubular knit fabric is fed, one of said spreaders flattening the tubular fabric and delivering it onto the second spreader, said second spreader being relatively wider than the first spreader and laterally stretching and widening the fabric to cause its stitches to expand in a direction crosswise of the wales of the fabric.

2,583,631
TUBE HOLDING AND DISPENSING DEVICE
Henry J. Chehak, Portland, Oreg.
Application October 4, 1949, Serial No. 119,442
1 Claim. (Cl. 222—100)



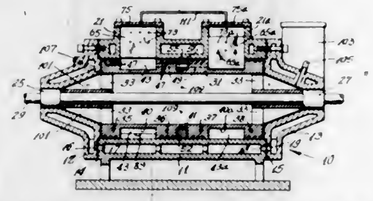
A device for holding collapsible tubes and dispensing the contents thereof, comprising in combination, an elongated box-like housing having bottom, side and end walls, a box-like cover having bottom, side and end walls and hingedly attached at one of its end walls to a corresponding end wall of said housing, means formed in the opposite end wall of said housing adapted for engagement with means formed in the opposite end wall of said cover for normally maintaining the cover in a closed position, aligned slots formed in said corresponding opposite end walls of said housing and cover adapted to receive the threaded neck of a collapsible tube disposed within the housing, said neck being flattened on two of its sides for engagement with one of said slots, and a closure cap threadedly attached to said neck and adapted to bear against the marginal edges of said slot in said opposite end wall of the cover for maintaining said means in the said opposite end wall of the cover in engagement with said means in the opposite end wall of the housing and for securing said collapsible tube within the housing.

2,583,632
POLISHING WHEEL
Joseph F. Coultier, Birmingham, and Isabell J. Lupu, Lincoln Park, Mich.
Application May 21, 1948, Serial No. 28,328
7 Claims. (Cl. 51—193)



1. A polishing wheel comprising an annular core member, oblong polishing pads having a centrally located aperture and off-center apertures located on the long axis thereof, keys detachably attaching said polishing pads to said core member via the centrally located aperture of said pads, and means adapted to cooperate with the off-center aperture of said pads to position the long dimension of said pads parallel with the circumference of said core member, and arcuate cross-heads on said keys lying substantially in end to end relationship parallel to said core extending the long dimension of said pads at said core thus spreading said pads on a complete circumference at the periphery of said core from which circumference said pads are thrown radially outwardly by centrifugal force to form a complete circumference at the working surface of the polishing wheel.

2,583,633
SLIDING ABUTMENT TYPE ROTARY INTERNAL-COMBUSTION ENGINE
John Cronin, Stonington, Conn.
Application September 13, 1949, Serial No. 115,359
6 Claims. (Cl. 123—14)



5. In a rotary internal combustion engine having a compression end and a power end, a hollow rotor having a peripherally arranged compression recess, and an axially spaced, coaxial, peripherally arranged power recess separated from said compression recess by a radially projecting ring, said ring having a port therein designed to connect said recesses; a stator block rotatably mounting said rotor and having a cylindrical bore snugly receiving the same and cooperating with said recesses to form compression and power chambers respectively; valve means removably mounted on said block and extending radially in said bore in a position to open and close said port periodically as said rotor rotates; means closing the ends of said bore in said stator block; means for introducing a fluid lubricant to the interior of said stator block and said rotor, said rotor having end sealing means engaging said bore and preventing access of said lubricant to said recesses; and conduit means formed in said rotor for conducting lubricant from the interior of the rotor to said valve means.

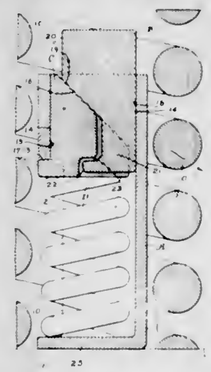
2,583,634
VEHICLE WHEEL AND ATTACHMENT THEREFOR
Alec Bishop Darvill, Buckinghamshire, England
Application February 28, 1948, Serial No. 12,005
In Great Britain February 8, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 8, 1964
6 Claims. (Cl. 301—47)

1. In combination with a vehicle wheel, a central member secured thereto, a plurality of radially spaced outwardly extending strakes pivotally joined to said member at their inner ends, an outer annular member rotatable relatively to said wheel slidably and retainingly engaging intermediate portions of said strakes for pivoting the same to effect alternately retractions of the outer ends of said strakes below and extensions thereof beyond the periphery of the wheel, and a hub rotatably mounted upon said central member coaxial of said wheel axis, means rigidly



securing said hub to said annular member, and means for securing said hub in selected positions of adjustment.

2,583,635
FRICTION SHOCK ABSORBER FOR RAILWAY CAR TRUCK SPRINGS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application August 4, 1948, Serial No. 42,394
4 Claims. (Cl. 267—9)

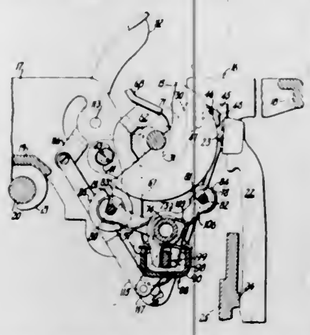


1. In a friction shock absorbing mechanism, the combination with a friction casing; of a wedge block slidingly telescoped within the casing and in frictional contact with the interior wall thereof; a friction shoe slidingly telescoped within the casing and in frictional contact with the interior wall thereof, said wedge being in wedging engagement with the shoe and projecting outwardly beyond said shoe; and a spring within the casing bearing on said shoe and yieldingly opposing inward movement thereof, said shoe having shouldered engagement with the casing to limit outward movement of the shoe, and said wedge block having shouldered engagement at its inner end with the inner end portion of the shoe to limit outward movement of said block.

2,583,636
PLATEN SUPPORT AND FEED ROLL MECHANISM
William A. Dobson, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application February 12, 1949, Serial No. 76,103
13 Claims. (Cl. 197—149)

1. In a machine having printing elements, a platen whereagainst said elements are adapted to be operated to effect impressions, means to

support said platen at opposite ends, comprising, two spaced frame members, a plate on each one of said frame members having an open platen seating formation therein, and means to mount said plates for adjustment transversely of the platen on said frame members for bringing about the proper relation of the platen with respect to



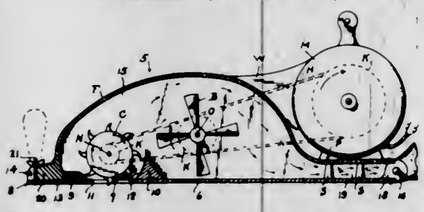
the printing elements, means carried on said plates to hold releasably the platen in place upon said seating formations, and means to adjust said holding means upon said plates for proper holding action on the platen, said releasable holding means and the adjusting means therefor remaining unaffected on the plates for any adjustment of the latter.

2,583,637

PORTABLE ELECTRIC PLANER

William F. Draper, Chico, Calif.

Application July 2, 1948, Serial No. 36,676
2 Claims. (Cl. 145—5.1)



1. A portable electric planer comprising a base having a laterally extending slot therein rearwardly of its forward end, upstanding lugs having opposed arcuate surfaces formed on the front and rear edges of the aforesaid slot, apertured ears formed on the rear sides of the base, a hood disposed over the base, a platform formed on the rear portion of the hood, apertured ears formed on the rear end of the platform, short pins hingedly connecting the ears of the base and platform together and forming an uninterrupted outlet from a shaving exhaust passage between the platform and the base, a forwardly extending lug formed on the hood and normally resting on the base forwardly of the forward lug of the slot therein, a fastening element engaging the forward lug on the hood and securing it to the base, a rotary cutter journalled in the hood with its blades traversing a circle extending through and outwardly of the slot in the base, a blower disposed in the hood rearwardly of the cutter, an electric motor mounted in the platform, pulleys on the shafts of the cutter, blower and electric motor, a belt trained over the aforesaid pulleys and transmitting power from the electric motor to the cutter and blower, and spaced pillars formed on the base and partially supporting the platform with the electric motor thereon.

2,583,638

VINYL PHENOL COPOLYMERS

Edward Michael Evans, Tonbridge, England, and John Edward Seager Whitney, Penarth, Wales, assignors to British Resin Products Limited, London, England, a British company

No Drawing. Application February 7, 1950, Serial No. 142,949. In Great Britain February 15, 1949
9 Claims. (Cl. 260—47)

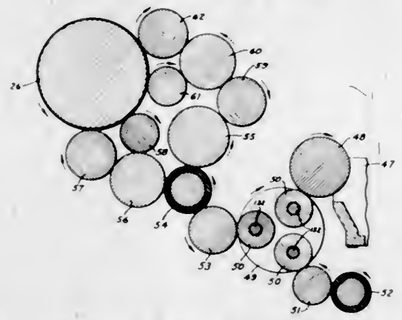
9. A copolymer of a vinyl phenol compound selected from the group consisting of ortho, meta and para vinyl phenol and their lower nuclear homologues having at least one unsubstituted reactive hydrogen atom attached to the nucleus, with a substance selected from the group consisting of cyclopentadiene, indene, coumarone and their polymerisable lower homologues.

2,583,639

ROTARY DUCTOR FOR PRINTING PRESSES

Harry W. Faeber, Larchmont, N. Y., and Orville V. Dutro and Lyle Dutro, La Canada, Calif., assignors to Time, Incorporated, New York, N. Y., a corporation of New York

Application May 22, 1948, Serial No. 28,564
3 Claims. (Cl. 101—349)



3. Ductor mechanism for transferring liquid from a supply roller to liquid distributing rollers comprising three ductor rollers for transferring liquid from the supply roller to the distributing rollers, a rotatable carriage, means to mount the ductor rollers on the carriage resiliently, sub-distribution rollers into engagement with one of which the ductor rollers move, and pulsating rotary drive means to rotate the carriage relatively rapidly during travel of the ductor rollers between the supply, sub-distributing, and distributing rollers, and relatively slowly during movement of the ductor rollers into contact and while in contact with said rollers.

2,583,640

SECTIONAL BLADE INK FOUNTAIN FOR PRINTING PRESSES

Harry W. Faeber, Larchmont, N. Y., assignor to Time, Incorporated, New York, N. Y., a corporation of New York

Application February 8, 1949, Serial No. 75,238
6 Claims. (Cl. 101—365)

1. Inking mechanism for printing presses comprising an ink fountain having a bottom plate, end walls and a rear wall, a fountain roller rotatably mounted between the ends walls, a plurality of fountain blades mounted upon the bottom plate and laterally abutted to extend between the end walls and having edges in operative relationship with said roller, a cover plate separate from the bottom plate, end walls and

rear wall of the fountain, said cover plate being mounted to overlie the blades, spring means for urging said cover plate downwardly against the blades, and spring means reacting between said blades and cover plate to urge the blades in the direction of the fountain roller and the cover

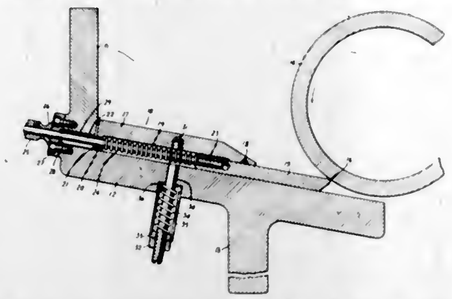


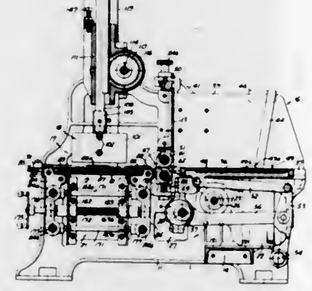
plate in the direction of the rear wall, and screw means operable in conjunction with said spring means for controlling the axial position of the blades with respect to the fountain roller, said laterally abutted blades, cover plate, walls, and roller forming an ink reservoir.

2,583,641

BOXMAKING MACHINE

Rene J. Gaubert and Stanley Marvin, Oakland, Calif., assignors to Simplex Packaging Machinery, Inc., a corporation of California

Application December 3, 1946, Serial No. 713,766
5 Claims. (Cl. 93—51)



1. In a box making machine, a folding station for receiving a blank to be folded to box form and including a detachably mounted apertured folding member of rectangular contour, a heat-sealing station comprising four angle-shaped sealing members mounted in alignment with the corners of the rectangular aperture, and a cooling and holding station comprising a similar rectangular arrangement of four angle-shaped members.

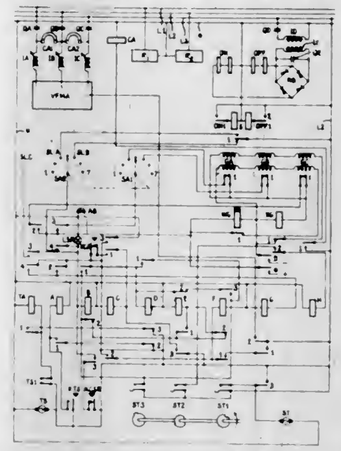
2,583,642

ELECTRIC SIGNALING SYSTEM

John Gordon Gordon-Wright, Liverpool, England, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company

Application May 12, 1948, Serial No. 26,597
In Great Britain June 14, 1947
2 Claims. (Cl. 177—353)

1. An electrical signalling arrangement for operating a plurality of switching devices connected to electric supply mains at separated points and responsive respectively to signalling currents of audio frequency of different cadences superimposed on said mains comprising a source of signalling current located at a control station, means at said control station for applying said source to said supply mains at different cadences, a manually operable rotary selecting switch, a first wiper on said switch arranged to select the particular cadence at which signalling current is applied, a plurality of switching devices con-



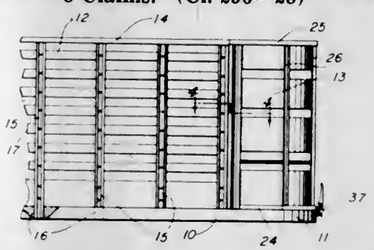
nected to said supply mains at said control station and responsive respectively to the different cadences at which signalling current may be connected to said mains in accordance with circuits completed over said first wiper, contacts controlled by said switching devices connected to the bank contacts co-operating with a second wiper of said switch and means connected to said second wiper for terminating the application of said signalling current to said mains after a predetermined period if the switching device corresponding to the desired cadence has been operated.

2,583,643

FOLDING FRONT SECTION FOR TRAILER BODIES

Edmund S. Grilley, Fort Worth, Tex., assignor to Hobbs Manufacturing Company, Fort Worth, Tex., a corporation of Texas

Application April 7, 1949, Serial No. 86,050
8 Claims. (Cl. 296—28)



1. A trailer body including, an elongate floor, upright longitudinal side sections mounted along each side of said floor having upright front ends, socket members at the front ends of the side sections disposed vertically thereof, a normally upright transversely bowed front end section having its lower rear ends hinged to the floor adjacent the front ends of the side sections, said front section being adapted to be folded down onto the floor between the side sections and to be swung

to an upright position, and clips along the rear edges of the front section engaging the socket members when the front section is swung to an upright position.

2,583,644

FOLDABLE BASKET CARRIER

Ivan A. Grimes, Woodston, Kans.

Application March 20, 1951, Serial No. 216,565
2 Claims. (Cl. 280—36)



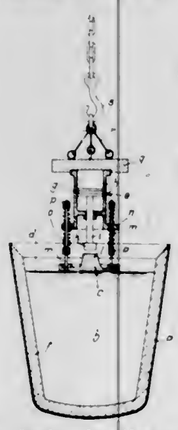
1. A carrier device of the character described comprising an H-shaped frame member, respective ground-engaging wheels journaled to the lower ends of the side legs of said frame member, a strut member, a sleeve slidably mounted on said strut member, a stop flange on said strut member limiting downward sliding movement of said sleeve, a link bar pivotally connected at one end to said sleeve and at its other end to the intermediate portion of the crossbar of said H-shaped frame member, a ring member pivotally secured to the top ends of the side legs of said frame member and detachably rigidly secured to said top end of said strut member, a U-shaped handle rigidly secured to said ring member, a bracket member adjustably secured to the lower portion of said strut member for sliding adjustment thereon, and a pair of ground-engaging wheels journaled to said bracket member.

2,583,645

VIBRATING ARRANGEMENT FOR THE SEPARATION OF ADMIXTURES FROM MOLTEN METAL BATHS

Clemens Hannen, Sinzig-Rhein-Ahr, Germany

Application September 5, 1950, Serial No. 183,270
In Germany October 5, 1948
3 Claims. (Cl. 259—1)



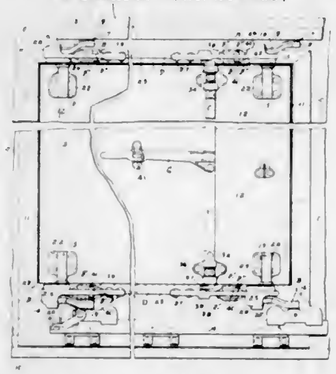
1. A vibrating device for the separation of admixtures of molten metal baths comprising a cylinder, a plate adapted to act on the surface of a metal bath and elastically suspended from the cylinder, and an impact device having a piston at one end to reciprocate in the cylinder and an element at the other end extending from the cylinder to contact the plate, said impact device oscillating in the cylinder so that the element periodically strikes the plate to impart a vibratory action on the bath.

2,583,646

ACTUATING MECHANISM FOR SLIDING DOORS OF REFRIGERATOR CARS

Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application March 5, 1948, Serial No. 13,113
2 Claims. (Cl. 20—23)



1. In a door construction for cars having a wall member provided with a door opening, the combination with a door adapted to close said opening; of guide tracks on said wall member above and below said door opening; carrier means slidably guided on each track; a pair of top and a pair of bottom crank members mounted on the door for rotation about vertical axes; a crank arm on each crank member having a crank pin at the outer end journaled in the corresponding carrier means; an operating shaft on said door rotatable about a vertical axis; a crank arm at each end of said shaft; a crank pin at the outer end of each crank arm; a second crank pin on each crank member, said pin being eccentric to the vertical axis of rotation of said crank member; a connecting rod having slots in camming engagement with said second named crank pins of said crank members; means for guiding said rods for movement in a path parallel to the plane of the door, said rods having transverse guide slots within which the crank pins of said crank arms of the shaft are engaged to impart reciprocating movement to said rods as the shaft is rotated in reverse directions; fixed slotted keepers on said car wall at the top and bottom of the door opening; and keeper engaging lugs at opposite ends of each rod rigid with the latter and engageable within the slots of the corresponding keepers to force said door open and shut as the rods are reciprocated.

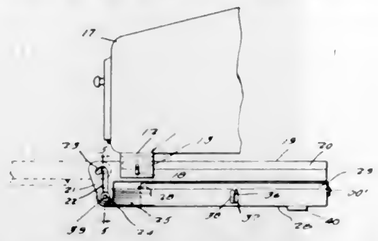
2,583,647

MOTOR VEHICLE ROAD MAP SUPPORT

Warren T. Haynes, Longview, Wash.

Application December 16, 1947, Serial No. 792,027
3 Claims. (Cl. 40—10)

1. In an automobile map holder, a bracket having a pair of parallel guide blocks formed with longitudinal grooves, a pair of rails having portions slidably and supportably engaging said grooves, said rails having ears on one end thereof formed with slots having portions extending crosswise of the longitudinal axes of said rails, said ears projecting at one side of said rails, a map frame normally positioned along the said one side of said rails and positioned between said rails, bolts projecting from opposite edges of said map frame at one end thereof and pivotally and



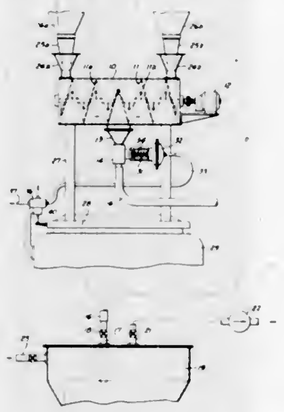
slidably engaging said slots, friction nuts on said bolts arranged to be tightened to lock the map frame relative to said rails, said friction nuts being arranged to be loosened to permit said map frame to be swung on the axes of said bolts away from a position along the said one side of said rails and moved along the crosswise portions of said slots to a position along the opposite side of said rails.

2,583,648

POWDER CONVEYING METHOD AND APPARATUS

Guy P. Hensley, San Francisco, and Del O. Johnson, Loleta, Calif., assignors to Golden State Company, Ltd., San Francisco, Calif., a corporation of Delaware

Application December 21, 1948, Serial No. 66,424
5 Claims. (Cl. 302—52)



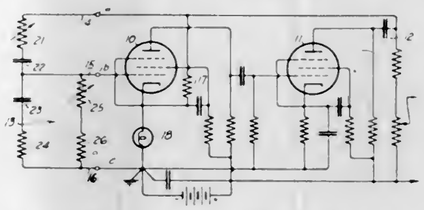
4. In apparatus for conveying powder, a vessel adapted to receive powder, a conveying conduit having its inlet end communicating with the lower portion of the vessel, the discharge end of said conduit being adapted to be evacuated, a control valve serving to control flow of powder from the vessel to the inlet end of the conduit, means communicating with the laterally spaced end portions of said vessel for receiving powder, and means within the vessel for continually stirring and urging powder from the ends thereof towards the middle region of the vessel, for subsequent flow of powder through the valve and said conduit, and means responsive to a variation in the weight of powder in the vessel for actuating said valve, said last means serving to move said valve toward closed position responsive to decrease of the amount of powder in the vessel.

2,583,649

MODIFIED WIEN-BRIDGE OSCILLATOR

William R. Hewlett, Palo Alto, Calif., assignor, by mesne assignments, to Hewlett-Packard Company, Palo Alto, Calif., a corporation of California

Application January 27, 1947, Serial No. 724,603
3 Claims. (Cl. 250—36)



1. A frequency determining network for forming a positive feedback from the output to the input of an oscillation generator of the type utilizing electronic amplifying means having an input control grid and an output plate circuit, said network comprising resistance and capacitance elements forming two circuits, one circuit being connected between two conductors, the first of said two conductors being coupled to the plate circuit and the second being connected to the control grid, the other circuit being connected between said second conductor and a third conductor which is connected to a point of neutral potential, the first circuit comprising a variable resistor and a fixed capacitance serially connected between the first and second conductors, the second circuit comprising a fixed condenser and a fixed resistance serially connected between the second and third conductors together with a variable resistance and a fixed resistance serially connected between the second and third conductors, said network affording a relatively wide frequency range of operation upon adjustment of said variable resistors, the frequency of operation for a substantial portion of said range being in accordance with the equation

$$f=\frac{1}{2\pi R_1 C}\cdot\frac{1}{\sqrt{1-2\left(\frac{R_0}{R_1}\right)^2}}$$

wherein R_1 represents the adjusted value of each of the variable resistors, C represents the capacitance of each of the fixed condensers, R_0 represents the resistance of each of the two fixed resistors, and f represents the frequency of operation.

2,583,650

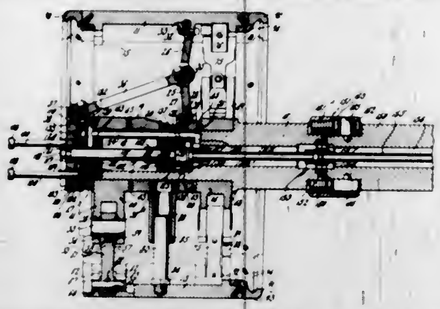
COLLAPSIBLE BUILDING DRUM

Hollis C. Hodgkins, Eau Claire, Wis., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application February 25, 1950, Serial No. 146,312
14 Claims. (Cl. 154—9)

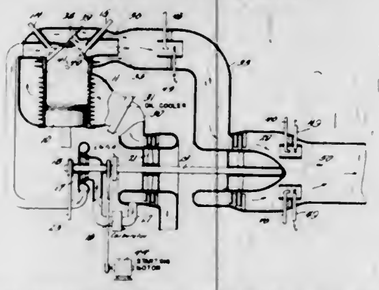
1. A collapsible building drum comprising in combination a hub, a set of key segments, an actuating member connected between said hub and key segments for drawing said key segments radially inwardly, a set of intermediate segments, pivotal links joining said key segments to said intermediate segments for drawing said intermediate segments inwardly over said key seg-

ments, and collars pivoted to said links and mounted for limited rotation about said hub for



controlling the motion of said intermediate segments.

2,583,651
AIRPLANE POWER PLANT WITH DIRECT COOLING OF EXHAUST VALVES
Arthur Fredrick Horning, Jr., Washington, D. C.
Application August 14, 1945, Serial No. 610,847
8 Claims. (Cl. 60—35.6)



1. An engine having a cylinder, an exhaust valve for the cylinder, an extension open at both ends and centrally surrounding the exhaust port and the head of the exhaust valve for conveying away the exhaust gases, a turbine, a casing surrounding the cylinder and the extension and leading to the turbine, whereby cooling air first engages the cylinder and then extension, means for discharging cooling air thru the casing and thru the extension, and means for injecting fuel into the casing between the extension discharge and the turbine.

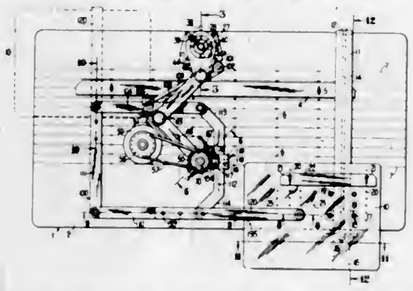
8. In a power plant, an internal combustion engine, a cooling air casing surrounding the engine, a nozzle within the casing and surrounding the exhaust valve, a funnel leading cooling air from the casing to the nozzle with its intake axis about 135° from the axis of the nozzle discharge and about 90° from the axis of the exhaust valve stem, and means for delivering air under pressure to the funnel.

2,583,652
BUNION CUSHION
Nellie Wannetta Keagy, Columbus, Ohio
Application December 15, 1949, Serial No. 133,176
10 Claims. (Cl. 128—153)



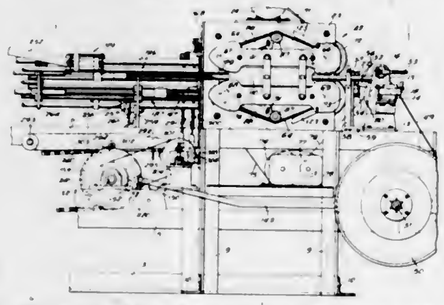
1. A bunion pad comprising a highly compressible sponge rubber body of substantially circular outline when viewed in plan, said body being recessed at one side to provide spaced conical ends connected by a thickened curved central portion having a concave under surface on the inner side adjacent said recess.

2,583,653
REPRODUCTION MACHINE OF THE PANTOGRAPH TYPE
George M. Keczeli, Colorado Springs, Colo., assignor to Mary M. Keczeli, Colorado Springs, Colo.
Application December 30, 1948, Serial No. 68,329
20 Claims. (Cl. 90—13.1)



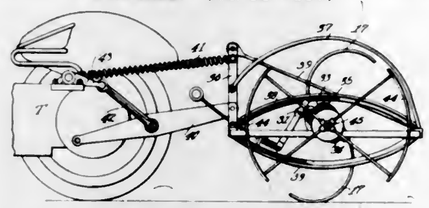
1. A pantographic reproduction machine comprising a support, a master supporting unit, a workpiece supporting unit, means for attaching said master supporting unit and means for attaching said workpiece supporting unit to said support, a pantograph frame attached to said support for movement in a plane parallel to the master and workpiece supporting units, a forming tool unit connected to said support for movement in a plane parallel to the plane of said support and connected to said pantograph frame so that its movement is controlled thereby, a tracer carried by said pantograph frame for cooperation with said master, said means for attaching said master supporting unit to said support permitting attachment thereof to the support at either of two diagonally opposed locations at opposite sides of the workpiece supporting unit, and means for attaching said tracer at either of two diagonally opposed points to said pantograph frame for cooperation with said master in its selected position.

2,583,654
AUTOMATIC SHIRRING MACHINE
Paul H. Korsgaard, Chicago, Ill., assignor to Transparent Package Company, Chicago, Ill., a corporation of Illinois
Application December 27, 1947, Serial No. 794,193
74 Claims. (Cl. 17—1)



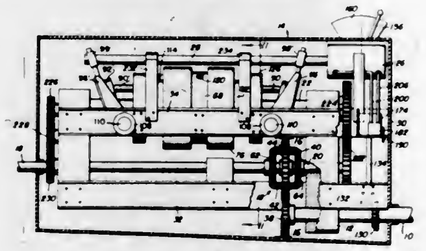
1. In a machine for shirring sausage casings and the like having a mandrel and a shirring head in cooperative relation therewith for shirring said casings thereon, in combination, means in said machine for movably supporting said mandrel, and means operatively connected to said mandrel for moving it in the direction in which said casing is shirred simultaneously with the shirring operation.

2,583,655
TRIPPING MECHANISM FOR REVOLVING RAKES
Russell C. Larsen, Hansen, Idaho
Application October 3, 1946, Serial No. 700,938
2 Claims. (Cl. 56—387)



1. In a hay rake, the combination which comprises a substantially horizontally disposed rectangular shaped frame having side and end bars, a transversely disposed horizontally positioned axle having diametrically opposed tines thereon positioned in the frame, stub shafts extended from the ends of the axle, bearings rotatably mounting the said stub shafts in the side bars of the frame, diametrically opposed arcuate segments journalled on the outer ends of the stub shafts positioned to frictionally engage the ground over which the rake is traveling for turning the axle and tines, cams having diametrically opposed stop notches therein mounted on said stub shafts, rollers pivotally mounted on the side bars of the frame and positioned to travel on the said cams for engaging the said stop notches to retain the tines of the rake in raking positions, and means manually releasing the said rollers from the said stop notches whereby the tines are actuated to dump the hay raked thereby by the weight of the hay and to set the diametrically opposed tines in raking position.

2,583,656
HYDRAULIC AUTOMATIC SELECTIVE TRANSMISSION, INCLUDING TILT PLATES
Giles P. Lay, Ontario, Oreg., assignor to Lay Corporation, Portland, Oreg., a corporation of Oregon
Application February 1, 1950, Serial No. 141,684
5 Claims. (Cl. 74—687)

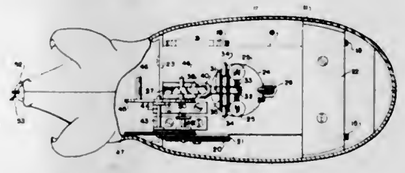


1. In a transmission including a frame, a power input shaft journaled in said frame, a counter shaft and a differential interposed between said power input shaft and said counter shaft, a first pump having an inlet and an outlet, a second pump having an inlet and an outlet, each pump being carried by said frame and said first pump being connected with its inlet to the outlet of the second pump forming a closed fluid flow system, said pumps including pistons which have piston rods, tiltable plates engaging the piston rods, said first pump having a shaft and said second pump having a shaft, means for controlling the angularity of said plates to regulate the speed of the shaft of the second pump relative to the speed of the shaft of the first pump, a driven shaft operatively connected with said differential and the shaft of said second pump, means drivingly connecting the shaft of said first pump and said counter shaft, said plate controlling means including an auxiliary pump driven by said power input shaft, a speed-responsive governor driven by said power input shaft, a valve actuated by said governor, said valve being communicated with said auxiliary pump, a rod secured to said plates, and means secured to said rod and connected with said valve for motivating said rod.

2,583,657
LOW WATER-LOSS CEMENT AND PROCESS OF MAKING
Peggy J. Lea, Kansas City, Mo., and Henry B. Fisher, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application July 11, 1949, Serial No. 104,151
20 Claims. (Cl. 106—93)

1. A cement capable of forming a fluid slurry when mixed with water, said cement comprising a hydraulic cement mixed with a minor proportion of at least one of the group consisting of acid alkyl sulfoethyl cellulose ether and alkali metal, alkaline earth metal and ammonium salts of the same wherein the akyl group contains from 1 to 3 carbon atoms.

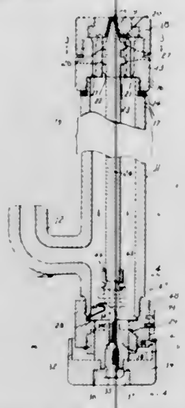
2,583,658
WHEELED SOUNDING TOY IN THE FORM OF A PIG
William Vasil Lichko, Cleveland, Ohio
Application February 28, 1950, Serial No. 146,778
3 Claims. (Cl. 46—45)



1. In a sounding toy of the character described, a frame, a plurality of wheels journaled to said frame, a magnet mounted on said frame, an arm of magnetic material, resilient means yieldably connecting one end of said arm to the intermediate portion of the top of said magnet, means biasing said one end of the arm downwardly into contact with the top of the magnet, a vertical member rotatably mounted on said frame for rotation around a horizontal axis, the plane of said member being parallel to the arm, a projection on said member cammingly engageable with the other end of said arm and arranged to move a portion of the arm away from the magnet, said arm being arranged to slip out of engagement with said projection during

the cycle of rotation of said member, whereby the released arm is attracted toward and strikes the magnet, causing the arm to vibrate, and means coupling said member to at least one of the wheels of the frame.

2,583,659
VERNIER-TYPE OIL BURNER NOZZLE
Nicholas F. Martin, Wilmington, Del.
Application September 20, 1949, Serial No. 116,717
2 Claims. (Cl. 299—136)



1. An adjustable liquid fuel burner nozzle comprising a hollow body having one end provided with a fuel discharge orifice, a valve stem positioned longitudinally within said body and slidably and non-rotatably supported in the latter for longitudinal movement, the end of said valve stem contiguous to said orifice being provided with a needle valve portion receivable within said discharge orifice upon longitudinal movement of said valve stem toward said one end of said body, a sleeve member positioned contiguous to the other end of said body and mounted on the latter for rotary movement about the longitudinal axis of said valve stem, an extension carried by the other end of said valve stem and threadedly engaging said sleeve member for effecting the longitudinal movement of said valve stem is response to the rotary movement of said sleeve member, a cylindrical cup member disposed axially of said sleeve member and fixedly secured thereto, the outer periphery of said cup member being provided with a scale including circumferentially spaced indicia, an index element carried contiguous to said scale and cooperating with said spaced indicia for indicating the position of said needle valve portion with respect to said discharge orifice, the inner periphery of said cup member being provided with recesses circumferentially spaced at intervals corresponding to the spacing of said indicia, and a spring biased lug projecting outwardly of said body and selectively engageable with said recesses for detachably securing said cup member to said body in select positions of the rotary movement of said cup member.

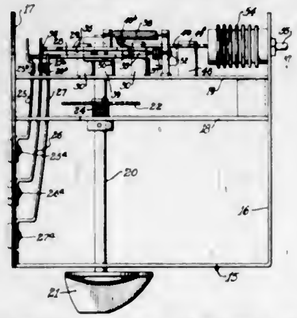
2,583,660
LIQUID LURE EJECTING DEVICE USEFUL IN FISHING
Mark Moore, Davenport, Nebr.
Application November 30, 1950, Serial No. 198,275
4 Claims. (Cl. 43—44.99)

1. In combination with a fishline having a fishhook at one end thereof, a small gauge flexible tube contiguous to said fishline and secured thereto throughout a substantial portion of the length thereof having its discharge end adjacent



the fishhook, and a collapsible bulb adapted to contain liquid fish lure positioned remote from said fishhook and connected to the opposite end of said tube.

2,583,661
SWITCH FOR USE IN DEFROSTING SYSTEMS
David Morrison, Manitowoc, Wis., assignor to Paragon Electric Company, Two Rivers, Wis., a corporation of Wisconsin
Application April 20, 1951, Serial No. 222,119
15 Claims. (Cl. 200—83)

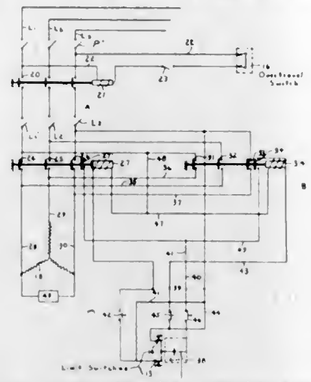


1. In a switch, a group of three spring blades arranged in a row in spaced relation to each other, anchored at corresponding ends with their other ends free, and capable of being flexed from and toward each other; a slide behind and reciprocable lengthwise of said row between forward and retracted positions; a shoulder on the slide behind and, when that slide is in a forward position, engaged with the rear blade while the middle blade stands free and the forward blade is engaged by the forward end of the slide; a second slide that lies beside the first slide, terminates in the vicinity of the middle blade and at all times is clear of the other two blades; springs tending constantly to retract the slides; automatic means to move the slides from their retracted positions to their forward positions and then release them in predetermined time relation to each other; said blades being initially so stressed that the middle blade contacts the rear blade except at times when the second slide is in its forward position and the first slide is in its retracted position, whereas the middle blade and the forward blade engage each other only when the slides are in their last mentioned positions.

2,583,662
ELECTRIC CONTROL FOR HANGAR TELESCOPIC CANOPY DOORS
Francis D. Noble, Toronto, Ontario, Canada
Application July 26, 1945, Serial No. 607,170
4 Claims. (Cl. 318—266)

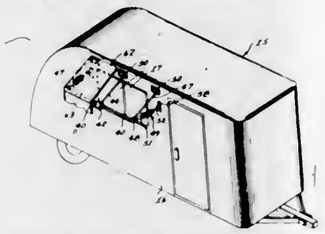
1. Electric control means for controlling the operation of a hangar door comprising a three-

phase electrical power source and a reversible electric motor connected with said power source and having an output shaft adapted to be operatively connected with the door to open the door when energized to rotate in one direction and to close the door when energized to rotate in the reverse direction, a magnetically operated multiple contact reversing switch including a magnetic control circuit in series with said motor source for reversing the phase to said motor, limit switches arranged in the magnetic circuit of said reversing switch to open contacts of said switch



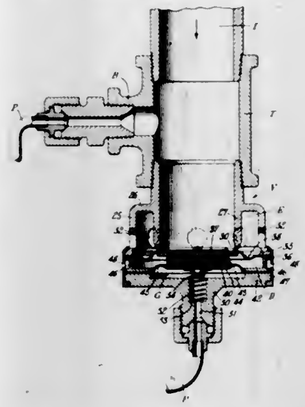
as the door approaches its operable limits to deenergize said motor, and a geared-type limit switch connected with the shaft of said motor and electrically connected in said power supply circuit connected with said reversing switch to interrupt current flow to said reversing switch and magnetic control circuit to stop said motor upon a predetermined number of revolutions of the motor shaft in either direction in the event of failure of the aforesaid limit switches or the contacts of said reversing switch to open upon the door reaching the limits of its movement.

2,583,663
AWNING FOR TRAILERS
Leo B. Obenchain, Branford, Conn.
Original application March 5, 1948, Serial No. 13,281. Divided and this application April 17, 1951, Serial No. 221,373
4 Claims. (Cl. 160—76)



1. An awning frame for attachment to a side wall of a trailer including a foldable frame comprising a U-shaped member having a bight portion and a pair of legs, the ends of the bight portion being inturned, a pin pivotally connecting an end of each leg with an inturned end on the bight portion, each pin carrying an eye, a brace bar at each end of the awning having an inturned end received by the eye, spaced bearings fixed to the side wall adjacent a window, the other ends of the brace bars being inturned and received by the adjacently disposed bearing, and means pivotally connecting the other ends of the legs to the side wall of the trailer.

2,583,664
RELIEF VALVE
Samuel R. Oldham, West Orange, James A. Hoffman, Roselle, and Wilgot J. Jacobsson, Plainfield, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application June 9, 1945, Serial No. 598,584
11 Claims. (Cl. 137—53)

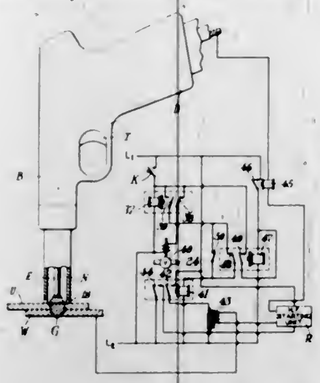


1. A relief valve casing having an inlet, an outlet, a valve seat therebetween, valve means for controlling the flow of fluid through said valve seat, and means for closing said valve against the pressure of fluid in said inlet and comprising a pressure responsive device having a compensating element movable relatively to said valve and provided with a pressure responsive area less than the area of said valve seat, and a continuously open conduit in intercommunicating relation between said inlet and said pressure responsive device whereby said pressure responsive element is uninterruptedly connected to receive a compensating pressure continuously from said fluid pressure system and provide a compensating force acting to partly compensate the force of fluid against said valve from the inlet, and resilient means within said casing providing a force acting additively to the compensating force for providing a valve closing force equal to the valve opening force of a predetermined inlet pressure.

2,583,665
GAS BLANKETED ARC WELDING
Frank J. Pilia, West Orange, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application July 9, 1949, Serial No. 103,860
5 Claims. (Cl. 219—10)

1. Gas blanketed arc method of fusion spot welding which comprises advancing a gas confining nozzle to bring its rim into contact with the metal to be welded to surround a spot thereon, simultaneously directing non-depositing electrode inside of and concentric with said nozzle toward the center of said spot, positioning said electrode with its tip spaced from the spot and spaced back from the nozzle rim, exerting pressure on said nozzle to cause a ring of pressure contact between said nozzle rim and the work and surrounding said spot to steady said nozzle and hold the work in position, maintaining a layer of non-oxidizing gas above said nozzle rim and below said electrode tip and extending over said spot, striking an arc between said electrode tip and said spot and through said layer of non-oxidizing gas, maintaining said arc until said spot

is heated to fusion temperature and molten portions of the work coalesce, and maintaining said



ring of pressure contact and said electrode stationary for the duration of the arc.

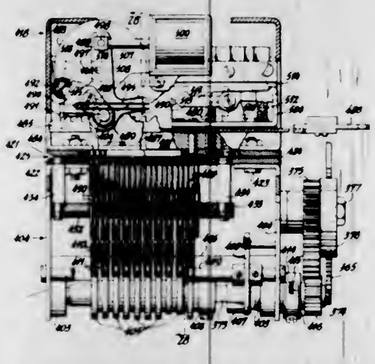
2,583,666

AUTOMATIC OLD BALANCE PICKUP MEANS FOR ACCOUNTING AND LIKE MACHINES

Richard W. Pitman, Laverock-Hillcrest, Pa., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware

Original application November 10, 1949, Serial No. 126,612. Divided and this application December 27, 1950, Serial No. 202,845

7 Claims. (Cl. 235—61.6)



1. In a machine of the class described having a plural order totalizer, a ten-key numeral keyboard, and indexing means operable by the keyboard keys to index the digital values of an amount preparatory to entering the amount in the totalizer, said indexing means including a stepping device to advance the indexing operation one denominational order for each digit indexed; in combination, sensing means for cooperation with a record sheet having codal representations of the digits of a plural order amount, including a group of sensing elements for sensing one digital representation at a time, means mounting said group of sensing elements for movement traversing all orders of the codally recorded amount for sensing the respective digit representations seriatim, means to translate a reading of each digit being sensed into an automatic selection and operation of the indexing means corresponding to that digit, the last said means being effective incident to digital operation of the indexing means to operate said stepping device, and means operable in response to operation of said stepping device to cause step-wise movement of the sensing element group.

2,583,667

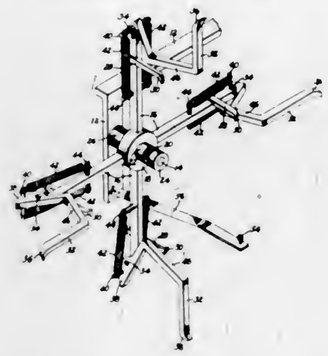
REEL FOR SUPPORTING WIRE COILS

John William Pratt, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application May 29, 1947, Serial No. 751,192

In Great Britain November 4, 1946

4 Claims. (Cl. 242—84)



1. In a reel adapted to support an annular coil of wire, a rotatable spider comprising a plurality of radial arms, axially extending coil-receiving members affixed on said arms, each member being arranged with respect to one another as to be positioned concentrically slightly within the internal diameter of the coil thereby facilitating the loading of the coil upon these members, concentrically arranged coil-sustaining members independently and pivotally mounted on said arms for movements between an out-of-the-way position in which they do not obstruct the placing of a coil upon the coil-receiving members and a position in which they firmly engage with the inner periphery of the coil, and biasing springs connected to said coil-sustaining members at points adjacent the pivots in such a manner that the lines of action of the springs cross said pivots as the members are moved from one of said positions to the other, whereby said springs tend to retain the members in whichever of said two positions they happen to be occupying at any time.

2,583,668

CONDENSATION OF ZINC FROM ITS VAPOR IN GASEOUS MIXTURES

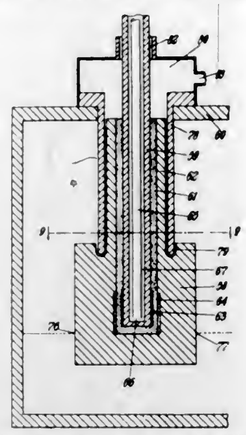
Stanley Robson, Enfield, England, assignor to The National Smelting Company Limited, London, England

Original application May 6, 1949, Serial No. 91,656. Divided and this application January 14, 1950, Serial No. 142,642

3 Claims. (Cl. 299—63)

1. A rotor device for showering molten metal in a zinc-condensing chamber comprising a drum of refractory material having a vertical axis, the drum having an upward axial extension of refractory material of smaller diameter than the drum, a vertical drive shaft embedded in the drum and its extension and passing through the roof of the chamber, the drum and its extension providing a refractory protective covering for that portion of the drive shaft positioned within the condensing chamber, said drum having its

outer surface recessed to form a ledge extending downwardly from the top and round the circum-



ference of the drum in an approximately helicoidal manner.

2,583,669

CONTAINER FOR ASPHALT AND THE LIKE

Peter Santina, San Francisco, Calif.

Application March 24, 1949, Serial No. 83,232

5 Claims. (Cl. 220—49)



1. A metallic container having a tubular body portion including a sideseam formed of interlocked inner and outer hooks, an end closure for said container locked to the body portion by means of an end seam, and a rip cord seated in the bend of said outer hook and also seated in said end seam, one end of said rip cord projecting outwardly from the container to provide a hand hold.

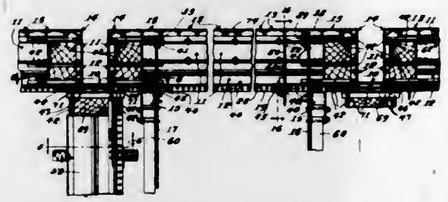
2,583,670

COLLAPSIBLE CONCRETE BEAM FORM

Takeo Sato, Honolulu, Territory of Hawaii

Application December 9, 1948, Serial No. 64,343

4 Claims. (Cl. 25—131.5)



1. In a collapsible concrete beam form, the combination which comprises a support, spaced vertically disposed bars having rows of bolt holes therein secured to the sides of the support, angles spaced from the upper ends of the bars and extended from the edges thereof, angles positioned on the upper ends of the bars and extended outwardly perpendicularly to the plane of the bars, vertical longitudinally disposed channel shaped form sections having webs with outwardly extended flanges positioned against the bars for forming the sides of a beam, longitudinally disposed horizontally positioned channel shaped form sections having webs with downwardly extended flanges mounted on the upper end of the support for forming the lower surface of a beam, bolts with slots therethrough and keys positioned in said slots extended through the flanges of the vertical and horizontally positioned channel shaped sections for securing the sections together and box-like units positioned below the vertical form sections and against the sides of the horizontally disposed form sections for connecting the lower ends of the vertically disposed channel shaped form sections to the edges of the horizontally positioned channel shape sections, and vertically disposed rods extended through the said box-like unit and through the flanges of the vertically disposed form sections for tying the said form sections to the support at points intermediate of the said vertically disposed bars.

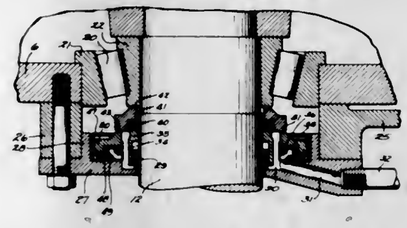
2,583,671

VERTICAL SHAFT SEAL

Carl H. Schmitter, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application January 28, 1949, Serial No. 73,268

3 Claims. (Cl. 286—8)



1. In a lubricant seal for a vertical shaft, a plate having a flange extending in spaced relation about the shaft, a member on the shaft and having a face extending at substantially right angles to the shaft axis, a ring seated against the member face in non-rotatable relation, a resilient ring engaging the shaft and holding the first said ring in position, a ring fixed on the shaft and pressing on the resilient ring and having a flange in spaced relation with and coacting with the plate flange in forming a labyrinth seal, and a ring resiliently mounted on the plate and bearing on the first said ring for relative movement therebetween, the labyrinth sealing flanges and the relatively movable rings defining a space for receiving lubricant leakage along the shaft and between the relatively movable rings.

2,583,672

CARTON

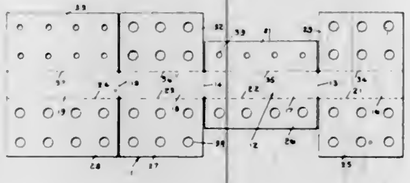
Alvin B. Storey, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

Application April 7, 1949, Serial No. 85,957

1 Claim. (Cl. 229—40)

A carton comprising side walls, a pair of flaps of unequal width extending from the lower edge of two opposite side walls and forming a bottom cover for said carton, said flaps lying in a common plane with their opposed free edges in substantially abutting relation, a pair of flaps of equal width extending from the lower edge of the other two opposite side walls and overlying said bottom cover, said flaps lying in a common plane with their opposed free edges in substantially abutting relation, a pair of flaps of unequal width extending from the upper edge of the two op-

posite side walls and forming a top cover for said carton, said flaps lying in a common plane with their opposed free edges in substantially abutting relation, a pair of flaps of equal width extending from the upper edge of the other two opposite side walls and overlying said top cover, said flaps lying in a common plane with their opposed free edges in substantially abutting relation, the narrower of each of said pairs of bottom and top cover flaps having a single row of



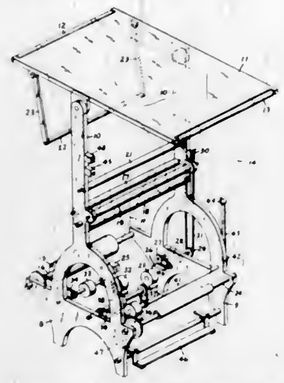
apertures therein and the wider of each of said pairs of the bottom and top cover flaps having two rows of apertures therein, each of the overlying pairs of flaps having apertures therein aligned with the apertures in the flaps of the bottom and top covers contiguous thereto, the apertures in both pairs of bottom flaps being in alignment with the apertures in both pairs of top flaps and the apertures in said top cover flaps of unequal width being of smaller diameter than the apertures in the remaining flaps.

2,583,673
CARTON
Alvin B. Storey, Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
Application May 26, 1949, Serial No. 96,761
1 Claim. (Cl. 229—40)



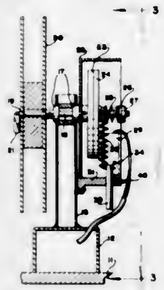
A carton comprising a pair of flaps of unequal width extending from the lower edge of two opposite side walls and forming a bottom cover for said carton, said top flaps lying in a common plane with their opposed free edges in substantially abutting relation, said bottom cover being spaced from the edges of the other two opposite side walls to form slots, a pair of flaps of unequal width extending from the upper edge of two opposite side walls and forming a top cover for said carton, said bottom flaps lying in a common plane with their opposed free edges in substantially abutting relation, the narrower of each of said pairs of bottom and top cover flaps having an odd number of rows of longitudinally aligned apertures therein and the wider of each of said pairs of the bottom and top cover flaps having an even number of rows of longitudinally aligned apertures therein, and a pair of flaps attached to the upper edge of the other two opposite side walls, said latter pair of flaps extending from the top of said carton and being thinner and narrower than said slots to be received within the slots of a similar carton for interlocking the two cartons.

2,583,674
TEXTILE INSPECTION APPARATUS
Henry Tobler, Jr., Hopewell, Va., assignor to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
Application August 22, 1950, Serial No. 180,760
9 Claims. (Cl. 26—70)



5. In a textile inspection machine wherein a textile fabric is drawn from a supply roll, passed across an inspection board and wound onto a batching roll, a feed roll for engaging the textile fabric, a drive for positively rotating said feed roll to move the textile fabric across the inspection board at a constant linear speed, a drive including a hydraulic torque converter for applying a torque to the supply roll tending to rotate the same in a direction opposite to that necessary to unwind the textile fabric therefrom, and a drive including a hydraulic torque converter for applying a torque to the batching roll tending to rotate the same at a peripheral speed greater than the peripheral speed of the feed roll.

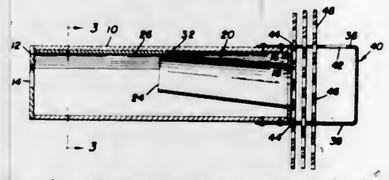
2,583,675
AUTOMATIC FILM REWIND
Frank L. Waggoner, Industrial City, Mo.
Application January 6, 1950, Serial No. 137,219
1 Claim. (Cl. 242—57)



In film rewinding apparatus, a support, first and second standards fixed on said support, transverse shafts journalled through said standards, film reels removably mounted on said shafts at one side of said standards, a housing on said first standard on the side thereof opposite the reel, a first friction disk fixed on the shaft at the same side as the housing, a second friction disk rotatably mounted on the shaft, spring means maintaining frictional engagement of said second friction disk with said first friction disk, fixed bars on said second friction disk in horizontally spaced relation, a block portion mounted on said support and positioned between said bars,

means biasing said second disk in a direction to engage one of said bars with said block portion while positioning the other bar remote from said block portion, a contact point on said block portion, a spring contact arm on said block portion facing said other bar and normally disengaged from said contact point; and an electric motor operatively connected to the film reel on the second standard and in circuit with said contact point and said spring contact arm, and film wound on and extending between said reels and being unwound from the first reel onto the second reel as the operation of the motor turns the first reel and shaft and said first friction disk so as to turn said second friction disk against the resistance of said biasing means in a direction to engage said other bar with said spring contact arm and engage said spring contact arm with said contact point and thereby maintain operation of said motor until emptying of the first reel permits said biasing means to turn said second friction disk in the opposite direction so as to permit said spring contact arm to disengage from said contact point and deenergize the motor.

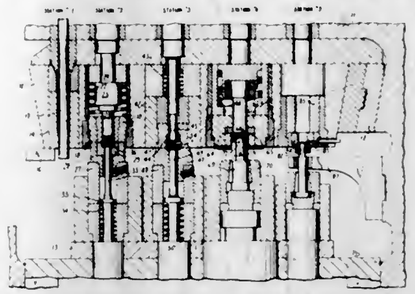
2,583,676
COLOR SCOPE
Clifford A. Wendel, Butte, Mont.
Application July 11, 1950, Serial No. 173,087
2 Claims. (Cl. 88—15)



1. An educational and amusement device comprising a color scope including an outer sighting tube having an ocular end with an ocular opening therein, and an objective end with a reduced axial objective opening therein, an inner relatively smaller tube fixed in said outer tube with a portion of elliptical cross-section terminating in an elliptical end at said objective opening, said inner tube having a circular portion terminating in a circular end spaced from the ocular end of the outer tube and elevated in said outer tube so that the longitudinal axis of the inner tube is at an angle to the longitudinal axis of the outer tube, a reflecting plate in the outer tube elevated therein and extending from the ocular end of the outer tube to and above the circular end of the inner tube and constructed and arranged for coaction with said inner tube to pro.ide a kaleidoscopic reflection of images at the objective end of the outer tube, a slide support at the objective end of the outer tube, and slotted differently colored slides in said support relatively slidable for variably coloring the reflected image.

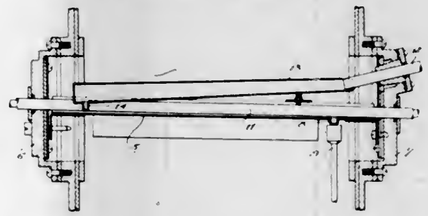
2,583,677
METHOD OF MAKING WASHER FACE NUTS OR THE LIKE
Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application July 31, 1947, Serial No. 765,234
14 Claims. (Cl. 10—86)

1. The method of making a nut blank, which comprises cutting a workpiece from a length of solid stock, forming a cup in the face of the workpiece at one end to form a relatively thin peripheral edge while reducing its cross sectional size adjacent the other end, and then applying pressure to the workpiece to force outwardly the



metal at the cupped face to form at said face an outwardly inclined area surrounding a central flat area while forming flattened areas on the side walls of the workpiece, and flat spots on the face exteriorly of said inclined area.

2,583,678
APPARATUS FOR FEEDING AQUA AMMONIA AND THE LIKE
Frederick G. Wilde, Rochester, N. Y., assignor to Paragon Revolute Corporation, Rochester, N. Y., a corporation of New York
Application August 15, 1946, Serial No. 690,821
2 Claims. (Cl. 137—78)

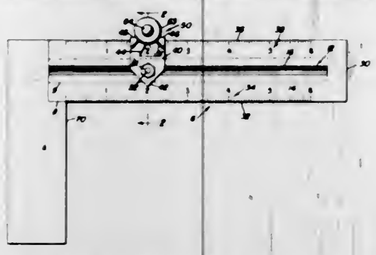


1. Apparatus for delivering to the tray of an evaporating unit, a liquid having a higher vapor pressure than the atmosphere,comprising an intermittently operating pump for delivering uniform spurts of the liquid upward, and a downwardly sloping conduit for receiving said spurts of liquid and for causing them to flow sluggishly until they form a stream, said conduit being provided with means for slowly discharging the stream into said tray.

2,583,679
MEASURING INSTRUMENT AND MARKER COMBINED
Benjamin P. Boston, Pine Wood, S. C.
Application March 9, 1950, Serial No. 148,550
2 Claims. (Cl. 33—42)

1. A structure of the class shown and described and comprising a square including a leg having a longitudinally extending groove with a entrance slot, having a measuring scale along at least one longitudinal edge portion, said scale being parallel to said slot, a slide mounted in said groove and having a screw-threaded stud projecting operatively through said slot, a flat indicator plate in contact with and freely shiftable along the slotted surface of said leg and detachably mounted on said stud, said plate having indexes lined up with graduations on said measuring scale, and a marking pencil and holder there-

for carried by and at right angles to said plate, one edge of said leg having an outstanding guide



flange and the corresponding edge of said plate being provided with assembling and guiding hooks slidably mounted on said flange.

2,583,680
LURE HOLDER FOR FISHERMEN
Frank Brennan, Elizabeth, N. J.
Application April 7, 1950, Serial No. 154,519
1 Claim. (Cl. 24—260)

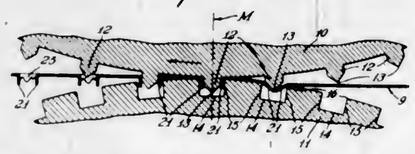


A lure holder for fishermen comprising a spring strip bent back upon itself to form an eye and divergent arms extending from said eye, each arm having its free end bifurcated to form divergent fingers, the fingers of each arm being curved toward the fingers of the other arm and being provided with teeth on its inner face of the curve pointed upwardly, a block having a central opening embracing the arms, and said block and arms having mating teeth, and each of said arms having its ends pointed inwardly and upwardly to prevent a bait from slipping out, and said block being made heavy to assist in sinking a bait in water.

2,583,681
CRYSTAL CONTACTS OF WHICH ONE ELEMENT IS SILICON
Francis Hugh Brittain, Pinner, Charles Eric Ransley, Wembley, and John Walter Ryde, Northwood, England, assignors, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application August 6, 1947, Serial No. 766,900. In Great Britain April 20, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 20, 1965
2 Claims. (Cl. 29—25.3)

1. A method of manufacturing a crystal rectifying device of which one element is mainly silicon and the other element is a metal point in abutment with a surface of the silicon element: said method comprising polishing the contact surface of the silicon element and etching the same with hydrofluoric acid, then heating said element in air at about 1050° C. for about two hours to form a layer of oxide on the contact surface of the silicon element, and, finally, etching the oxidized surface with a solution of forty percent hydrofluoric acid diluted with an equal volume of water for about five minutes to remove the greater part of said oxide layer.

2,583,682
APPARATUS FOR CUTTING FLANGED SLOTS IN RADIATOR SECTIONS
Michael J. Celovsky, Detroit, Mich.
Application April 18, 1950, Serial No. 156,575
1 Claim. (Cl. 164—99)



In an apparatus for cutting flanged slots in metal strip for radiator sections, a pair of meshed rolls spaced apart to grip a metal strip at their medial plane, one of said rolls having axially elongated teeth circumferentially aligned with a pitch at least twice their width, each of said teeth having a substantially rectangular root portion with leading and trailing surfaces thereof lying in radial planes and a wedge-shaped terminal portion with faces thereof converging at a right angle from said root surfaces to a central axially extending square cutting edge, said root surfaces having height substantially half the width of said teeth, the other of said rolls having axially elongated rectangular depressions spaced circumferentially to register centrally with said teeth upon rotation of said rolls, the walls of said depressions being relieved from said teeth during rotation of said rolls by at least the thickness of the metal strip, the diameter of said rolls being great enough relative to the height and spacing of said teeth that said teeth will successively first linearly perforate the metal strip a tooth pitch in advance of the medial plane when the strip is bridged over a corresponding depression, said teeth and depressions cooperating to cut substantially rectangular slots in the metal strip with end flanges and side flanges coextensive with the respective edges of said slots and set at right angles to the strip.

2,583,683
METHOD OF MANUFACTURING RUBBER ARTICLES FROM SENSITIZED LATEX
François Chassaing, Alfortville, France
Application March 30, 1949, Serial No. 84,298
In France May 10, 1948
4 Claims. (Cl. 18—58)

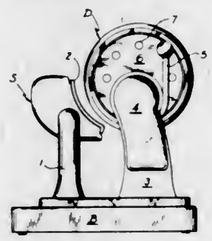


1. A method of manufacturing rubber articles from heat sensitized latex comprising forming an article of heat sensitized latex, heating the formed latex article to effect coagulation thereof and then eliminating nearly all of the serum retained in the formed article by first subjecting the article in air to an elongating force producing a considerable stretching thereof, secondly, relieving the elongating force to enable the stretched article to contract while in air and eliminating thereby nearly all of the moisture retained, and finally plunging the article in a bath of liquid at a temperature of about 60° C.

2,583,684
METHOD OF TREATING GLUTEN-BEARING STARCHY MATERIAL
Leo M. Christensen, Lincoln, Nebr., assignor, by mesne assignments, to Gateway Chemurgic Company, Lincoln, Nebr., a corporation of Nebraska
No Drawing. Application September 30, 1946, Serial No. 700,353
10 Claims. (Cl. 195—4)

1. A method of producing gluten and sugar solutions from gluten-bearing starchy material which comprises, cooking the starchy material at acid reaction at from pH 1.6 to pH 2.5 to sterilize and gelatinize the starchy material, neutralizing the mash to about pH 5.5, cooling the cooked mash down to the optimum saccharification temperature of a selected amylase employed and between about 60° C. and 55° C. within a period of about 15 minutes to avoid any substantial formation of retrograded starch, saccharifying the cooled mash with a selected enzymatic saccharifying agent chosen from the group consisting of a vegetable amylase and a fungal amylase at said optium saccharification temperatures for a period of from about 60 minutes to about 90 minutes, separating and recovering gluten and an aqueous sugar solution.

2,583,685
REVERSIBLE MOTOR CONTROLLED PORTABLE IRONER
Archibald H. Davis, Sandusky, Ohio, assignor to The Apex Electrical Mfg. Co., Cleveland, Ohio, a corporation of Ohio
Application August 6, 1946, Serial No. 688,663
11 Claims. (Cl. 38—59)

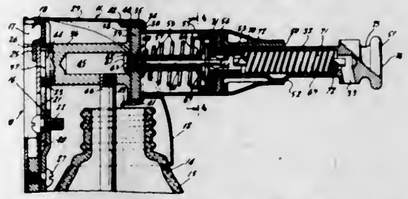


1. In an ironer, a base structure and an ironing shoe fixed to said base structure, fixed drum support means mounted on said base structure, a movable drum support member mounted on said fixed drum support for motion toward and away from the shoe, an ironing drum rotatably supported by said movable drum support member, a reversible electric motor supported by means including said fixed drum support, forward and reverse current supply circuits for said motor, a constantly engaged drive connection between motor and drum that tends to rotate the drum whenever either control circuit is energized, and positioning means driven by said motor that react against means on said fixed drum support to move said movable drum support member and drum toward the ironing shoe whenever the forward motor circuit is energized with the drum not in its final forward position, energization of the reverse circuit causing reversal of the motor and mechanism driven by it to withdraw the drum from the shoe when the drum is forward, and limit switch means in said reverse circuit engaged by means moving with the drum support to automatically stop the motor when the roll has withdrawn to a predetermined point.

2,583,686
PROCESS FOR TREATING A FOOD PLANT PRODUCT
Jack De Ment, George Lamont, and Jim Polly, Portland, Oreg.
No Drawing. Application June 15, 1950, Serial No. 168,389
5 Claims. (Cl. 99—154)

1. The process for treating a food plant product selected from the group consisting of naturally light colored food plant products which comprises dipping the said food plant product in a water solution of a substantially colorless blue fluorescent material, the said blue fluorescent material being non-toxic and lacking in objectionable taste and odor, the said blue fluorescent material being selected from the group of substances consisting of soluble organic sulfonic acid compounds, hydroxycoumarins and hydroxycoumarones.

2,583,687
LIQUID SOAP DISPENSER
William J. Dobkin, Jackson Heights, N. Y., assignor to Mac. B. Feinson, New York, N. Y.
Application July 6, 1946, Serial No. 681,691
13 Claims. (Cl. 299—84)

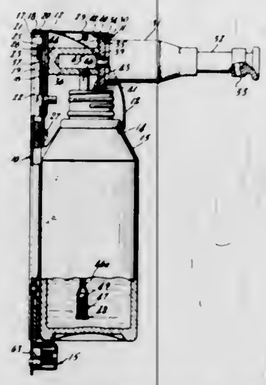


4. A device of the character described comprising a cylinder having a concentric bore in one end thereof, a sleeve having a sliding fit within said bore, a stem sliding within said sleeve to afford a channel for liquid soap between them, a head fixed to the end of said stem within said bore in position to close the end of said sleeve, and means upon the other end of said stem to cause said sleeve to move with said stem but with lost motion between them, a valve connection adapted to connect said cylinder with a source of soap supply, a casing coaxial with said cylinder having a plunger therein, said plunger being connected to move said stem, the interior of said casing being connected to the interior of said sleeve, said plunger being provided with a discharge channel and a discharge port through which soap may be dispensed when said plunger is pressed into said casing.

2,583,688
WALL BRACKET SUPPORTED LIQUID SOAP DISPENSER
William J. Dobkin, Jackson Heights, N. Y., assignor to Mac. B. Feinson, New York, N. Y.
Application July 6, 1946, Serial No. 681,692
11 Claims. (Cl. 222—180)

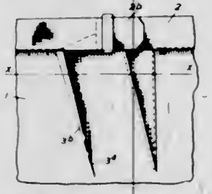
1. A soap dispenser comprising a fixture attachable to a vertical wall, a bracket, having

devices for attachment to said fixture, said bracket having a hood having a downwardly facing opening to receive the upper portion of a container, a container having an outlet extending into said hood, a piston type pump mechanism extending horizontally outward from



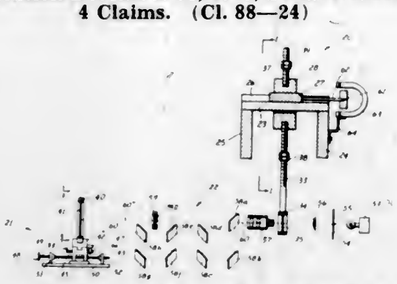
said hood above said container having a discharge spout at its outer end, and a tube extending down from its inner end into said container, and a mechanism carried by said fixture for engaging the lower end of said container to hold said container in place.

2,583,689
WAISTBAND FOR USE ON GARMENTS
Leo Harris Edgard, London, England
Application December 19, 1949, Serial No. 133,867
In Great Britain March 9, 1949
1 Claim. (Cl. 2—237)



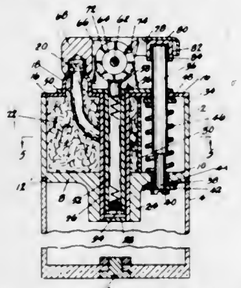
In a garment, a waistband, said waistband being divided into two sections, a forward section and a rearward section spaced therefrom, a body portion connected at its upper edge to the sections, the forward section of the waistband having a rear extension adapted to bridge the gap between the forward and rearward sections and to overlap the adjacent part of the rearward section, fastening means on the adjacent part of the rearward section cooperating with the free end of the extension to adjustably secure the extension thereto, a pocket formed in the body portion beneath the said adjacent part of the rearward section of the waistband, a part of the body portion forming a pleat forwardly of the pocket and tapering downwardly from the waistband, said pleat including an inner and an outer section, which are integral at one of their adjoining edges, the opposing edge of the inner section being fixed and the opposing edge of the outer section being free, the upper end of the outer section being secured to the inner end of the extension and the upper end of the inner section being free and being disposed in the gap between the forward section and the rearward section of the waistband, so that the outer section of the pleat movably overlies the inner section and is carried by the extension.

2,583,690
VARIABLE REFLEX OPTICAL PROJECTION SYSTEM FOR WEIGHING SCALES
Irving Feuer, Bronx, N. Y., assignor of one-half to Maxwell E. Sparrow, New York, N. Y.
Application December 31, 1949, Serial No. 136,358
4 Claims. (Cl. 88—24)



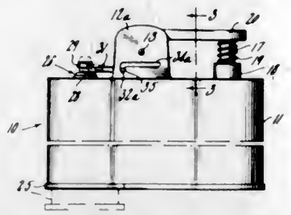
1. In a weighing scale, in combination, a movable indicating member, a transparent element on said member, said transparent element bearing a distinctive mark, a target plate remote and detached from said indicating member, said target plate bearing a calibrated scale, and optical means for projecting an image of said distinctive mark upon said target plate; said target plate being provided with a main scale and an auxiliary scale, said optical means projecting a first image of said distinctive mark over a relatively long path upon said target plate, in registry with said main scale, and further projecting a second image of said distinctive mark over a relatively short path upon said target plate, in registry with said auxiliary scale, said two scales being calibrated to give corresponding "fine" and "coarse" readings at the locations of the respective images.

2,583,691
CIGARETTE LIGHTER
Irving Florman, New York, N. Y.
Application October 19, 1949, Serial No. 122,279
1 Claim. (Cl. 67—7.1)



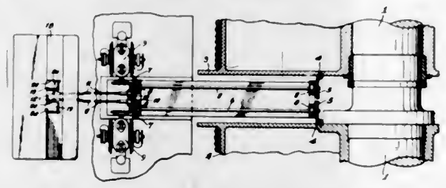
In a cigarette lighter or the like, a body having a transverse interior wall dividing the space within the body into upper and lower fuel chambers, said wall having an opening therein, a wick communicating with the upper fuel chamber and emerging on the top wall of said body, a rod slidable through the top wall of the body and through said opening, closure means for said opening mounted on said rod below said interior wall, means urging said rod upwardly, a flint wheel rotatably mounted on said top wall between said rod and said wick, means to hold a flint against said flint wheel, a thumb piece having a downwardly open cup engaging the upper end of said rod, and means operatively connecting said thumb piece to said flint wheel, the inside dimensions of said cup being greater than the outside dimensions of said rod.

2,583,692
GAS CONTROLLED POCKET LIGHTER
Irving Florman, New York, N. Y.
Application July 6, 1950, Serial No. 172,239
4 Claims. (Cl. 67—7.1)



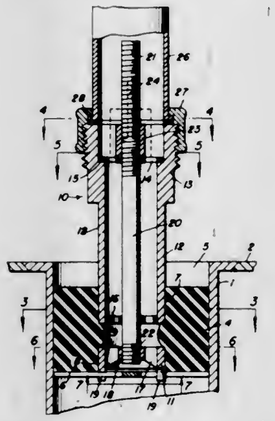
1. In a portable lighter; a casing, a fuel chamber in said casing for containing compressed inflammable gas, valve means on said casing for controlling escape of gas from said chamber, ignition means positioned next to said valve means, manually operable means common to said valve means and to said ignition means and operatively connected thereto, said operable means being constructed to perform a displacement movement between inoperative and operative positions, said operable means including first intermediary means for operating said valve means upon manipulation of said operable means and also including second intermediary means for operating said ignition means in conjunction with said manipulation of said operable means, whereby during displacement of said operable means said valve means is first opened for gas escape and the escaping gas from said valve means is subsequently ignited by said ignition means, each one of said intermediary means including at least one element supported on a common axis to be moved thereabout by said operable means, said first intermediary means including an elongated element for operating said valve means, and coupling means normally maintaining engagement of said one element with said elongated element of said first intermediary means, said one element being disengageable from said elongated element of said intermediary means and from said valve means by longitudinal sliding movement to thereby provide access to said valve means and impede operation of the latter by said operable means.

2,583,693
MICROMETER DEPTH INDICATOR
John F. Foxx, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 27, 1949, Serial No. 73,115
4 Claims. (Cl. 116—122)



1. In a device for indicating the location of drum supported elevators and the like, an elevator drum, a miniature indicating drum, a support for said indicating drum, a driving connection between the elevator drum and the indicating drum, adapted to rotate the indicating drum in predetermined relation to rotation of the elevator drum including gearing associated with the elevator drum, gearing associated with the indicator drum, a flexible shaft connected to said gearing, a worm gear driven by said flexible shaft, a driving gear on said indicating drum shaft and in mesh with said worm gear, and a pointer and a driving connection for the pointer formed and adapted to move the pointer along the surface of the indicating drum including a pinion in mesh with said driving gear, a screw shaft mounted for rotation with said pinion gear, a nut movable along said screw shaft, a plate fixed to said nut and slidably mounted on said indicating drum support, the pointer being attached to said plate, the movement of the pointer being in a direction parallel with the axis of the indicating drum, in predetermined relation to the rotation of the indicating drum.

2,583,694
DRAIN CLEANING DEVICE
Roy R. Fulton, Dayton, Ohio, assignor of twenty-five per cent to Robert A. Miller, Greenville, Ohio
Application January 26, 1948, Serial No. 4,362
1 Claim. (Cl. 4—256)

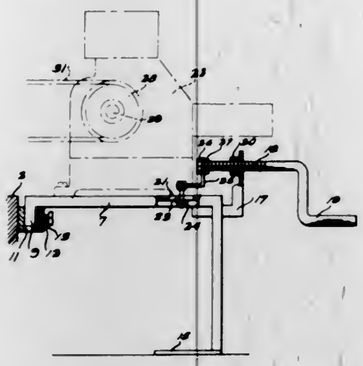


A drain cleaning device for attachment to a faucet and to the mouth of a drain pipe to introduce water under pressure into said pipe comprising an expansible plug adapted to fit in said mouth, means to expand said plug against said pipe and pass water therethrough comprising pipe sections having like ends spaced apart and movable toward each other into said plug from opposite sides thereof, manipulative means for moving said sections to move said ends toward each other, and a hose line for connecting one pipe section to said faucet, said plug having oppositely tapered openings therein with which said pipe ends coact when moved toward each other to cause said plug to be expanded, said plug having an annular shoulder therein betwen said openings for bulging inwardly between said ends of the pipe sections to limit movement of said ends toward each other.

2,583,695
MOTOR SUPPORT
John I. Gleekman, Trenton, N. J.
Application September 19, 1946, Serial No. 697,931
1 Claim. (Cl. 248—12)

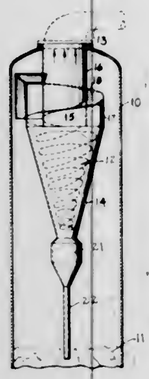
A support comprising a stand for connection to a frame carrying a part to be driven, a bracket

having a vertical slot and secured to the frame, said stand including a platform with an aperture and means including a finger arranged at 90 degrees to the platform removably disposed in said slot for releasably securing said platform to said bracket, a fastening element threaded in said bracket and having a longitudinal axis nor-



mal to said finger and releasably engaging said finger to lock said finger in said slot, a motor disposed on said platform, means guided by said aperture for adjusting said motor, and said motor having means operatively connected therewith for drivingly connecting said motor and the part to be driven.

2,583,696
CYCLONE DUST COLLECTOR
Hans Held, Flushing, and John Weits, Baldwin, N. Y.
Application July 23, 1948, Serial No. 40,234
3 Claims. (Cl. 183—83)

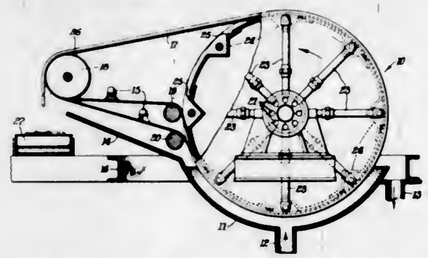


1. An apparatus for treating material, comprising a cylindrical chamber through which gaseous matter to be treated is passed upwardly, a cyclone type collector concentrically mounted in the upper portion of said chamber having its outer walls at the intake end spaced from the walls of said chamber to form between them a circular passage having a radial depth commensurate with the radial depth of the intake of the cyclone, said cyclone having its intake duct wholly concentric, and the outlet duct of said cyclone passing out through the top wall of said chamber.

2,583,697
PROCESS OF COMMINUTING FOOD PRODUCTS
John L. Hendry, Jr., and Richard R. Pederson, Elizabeth, N. J.
No Drawing. Application June 5, 1950, Serial No. 166,296
7 Claims. (Cl. 99—140)

1. A process of comminuting and preserving an edible flavoring material selected from the group consisting of cocoanut meat, cocoa beans and vanilla beans and parts thereof, ginger root and spices, which comprises contacting such material with liquefied nitrogen until the temperature of such material is reduced to not substantially above —100° F., and then, while in such refrigerated condition and in contact with concentrated nitrogen, subjecting same to the action of a hammer-mill until the bulk thereof is reduced to a particle size of substantially below 30 microns, and then packaging such material while still impregnated with nitrogen of a high concentration.

2,583,698
ROTARY DRUM VACUUM FILTER
Thomas R. Komline, Ridgewood, N. J., assignor to Komline-Sanderson Engineering Corporation, Ridgewood, N. J., a corporation of New Jersey
Application April 30, 1949, Serial No. 90,697
4 Claims. (Cl. 210—3)



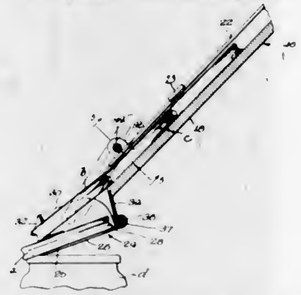
4. The method of filtering liquid sludge which includes the steps of draining effluent from solids between the coils of helical spring filaments resting on a cylindrical surface, the effluent entering between the coils from the side of the filaments opposite that in contact with said cylindrical surface, then passing at least some of the spring filaments over a second cylindrical surface of smaller diameter than the first to separate the spring coils and discharge accumulated solids, and finally passing the spring filaments over cylindrical aligning surfaces providing a reversal in the direction of curvature of the filaments as compared with the curvature on said first and second cylindrical surfaces to squeeze out any foreign matter accumulated between the coils.

2,583,699
BOOKLET
John C. Long, Charleston, S. C.
Application December 20, 1950, Serial No. 201,847
3 Claims. (Cl. 282—22)



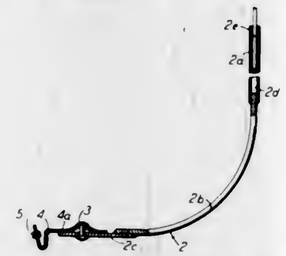
1. In a booklet, a stack of paper slips comprising a bottom leaf having its inner end held in a binding and its outer end connected along a fold line to the outer end of an upper leaf that has a free inner end terminating adjacent said binding, a plurality of superposed transfer sheets held at their inner ends in said binding above said stack of slips and having individually free outer ends, and a top cover assembly having an undercover portion folded inwardly between said carbon sheets and said slips.

2;583,700
DEVICE FOR FEEDING CLOSURE CAPS TO CONTAINERS
Edmond H. Lyon, Evansville, Ind., assignor to Bernardin Bottle Cap Co., Inc., Evansville, Ind., a corporation of Indiana
Application February 16, 1948, Serial No. 8,563
8 Claims. (Cl. 226—88.1)



6. In a device for delivering closure caps to progressively conveyed containers, the combination with an inclined runway for guiding caps in side-by-side succession for gravitation from its lower end; of holding means below and for receiving caps from the runway and by which the cap will be stationarily retained at an angle with its leading portion in the path of and directly engageable and displaceable from the holding means by the container; and means for arresting a succeeding cap from the runway so that its leading portion will rest on the top of the cap held on the holding means until the underlying cap is displaced and then drop onto and be retained on said holding means into position for engagement and displacement by a successive container.

2,583,701
AWNING STRUCTURE
William F. McDaniel, Fort Dodge, Iowa
Application February 6, 1950, Serial No. 142,564
8 Claims. (Cl. 160—81)



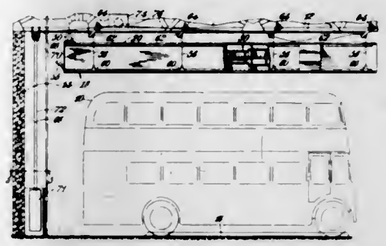
1. In an awning structure of the class described, the combination with an automobile door having a window opening and thin outwardly directed door seating flanges at the side edges, of a pair of brackets, each having at its inner portion a transverse U-shaped clamp, each fitting over a flange at the opposite side edges of the door, a U-shaped awning frame having its legs pivotally connected to the outer portions of the brackets for pivotal movement in a vertical plane, and a flexible awning member secured at its lower edge to the cross-portion of the frame and at its upper edge to the upper portion of the door.

2,583,702
GLASS AND DISH BREAKAGE PROTECTOR FOR SINKS
John J. Meyer, New York, N. Y.
Application February 20, 1950, Serial No. 145,280
1 Claim. (Cl. 4—187)



For use with a sink having at least one wall formed with a flat sided enlargement along its upper free edge, a glass and dish breakage protector comprising a strip of resilient material having a smooth uninterrupted top portion and depending parallel side portions adapted to extend over said wall from which protection is to be had, and at least one of said depending side portions of the resilient strip having an inwardly turned lip at right angles thereto adapted to lock with the underside of said enlargement on the sink wall.

2,583,703
APPARATUS FOR CLEANING VEHICLES
William John Morison, Chelmsford, England
Application April 18, 1949, Serial No. 88,105
In Great Britain April 28, 1948
24 Claims. (Cl. 15—97)

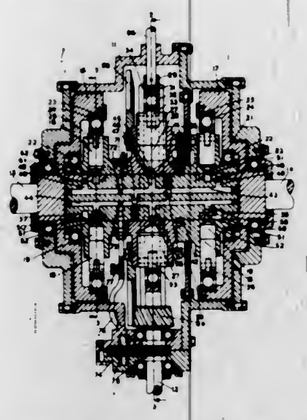


1. Apparatus for mechanically cleaning a vehicle at a cleaning station, comprising a carrier that is constituted by a frame of U-shape as viewed in plan and has two side limbs arranged to lie at opposite sides of the vehicle and an end limb arranged to lie at an end of the vehicle, a plurality of shafts mounted one on each limb of the frame, each of which shafts has at least one wiper device mounted on it, means for imparting rotary motion to the shafts, and elevator means arranged to move the frame vertically while the wiper devices are in motion and in contact with the vehicle.

2,583,704
ROTARY PUMP AND MOTOR DIFFERENTIAL HYDRAULIC TRANSMISSION
Kenneth Howard Nicholls, Bromley, and Alfred German Rose, Gainsborough, England
Application August 21, 1946, Serial No. 691,994
In Great Britain August 28, 1945
9 Claims. (Cl. 60—53)

1. A hydraulic mechanism of the kind described, comprising a hydraulic pump having a

body portion and a reaction member, at least two hydraulic motors each comprising a driving member and a driven member, an output shaft connected to each of said driven members, means for rotating the body portion of the pump and the driving members of the motors simultaneously at the same rate from a common source



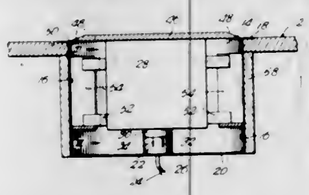
of power, means for varying the rate of delivery of the pump at a given rate of rotation of the body portion, and a common stationary conduit member having conduits connecting the body portion of the pump to the driving members of the two motors in parallel so as to allow differential operation of the motors.

2,583,705

CELLOPHANE PACKAGE SEALING APPARATUS

Clarence A. Peterson, Independence, Mo.

Application September 18, 1950, Serial No. 185,471
4 Claims. (Cl. 219—19)



1. Package sealing apparatus of the character described comprising a substantially horizontal work support having a pocket formed therein; a plate closing the mouth of the pocket; a heating element for the plate housed within the pocket; radial lugs on the heating element; and retaining brackets on the work support within the pocket and engaged by the lugs for holding the plate in place, said lugs and brackets being slidably interengaged whereby to permit removal of the plate and heating element as a unit.

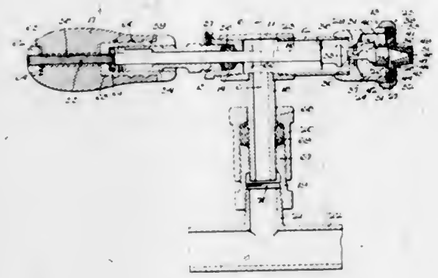
2,583,706

SPRAY GUN NOZZLE ASSEMBLY

Isaac S. Prescott, Orlando, Fla.

Original application January 5, 1948, Serial No. 549. Divided and this application October 24, 1950, Serial No. 191,892
6 Claims. (Cl. 299—114)

4. In a spraying device of the type embodying a body member having a passageway therein, a nozzle assembly connected to one end of said body member, means for supplying spray material to said passageway and valve means for controlling the flow of spray material from said passageway to said nozzle assembly, a spray nozzle assembly comprising a whirl plate having a central opening and a plurality of tangentially directed openings circumferentially spaced about the central opening, a nozzle disc spaced from said whirl plate having an orifice through which the spray is discharged from the nozzle assembly, a gasket interposed between the peripheries of said whirl plate and nozzle disc, and means for holding said plate, disc and gasket in assembled



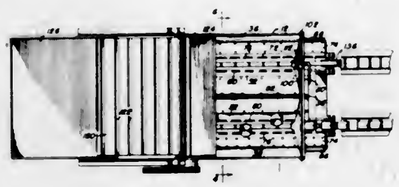
relation with the orifice in said disc coaxial with the central opening in said plate, said whirl plate having an annular rim lying in a plane perpendicular to the axis of the central opening therein, the tangentially directed openings being formed in said rim by outwardly pressed portions thereof each of which is separated from the remainder of the rim along a radially extending line, and a hollow cylindrical boss fixed to the inner periphery of said rim and projecting inwardly therefrom away from the nozzle disc coaxially with the central opening, said boss forming a seat for the valve means controlling the flow of spray material to the central opening in the whirl plate.

2,583,707

ARTICLE HANDLING APPARATUS

Wilber W. Prickett, San Diego, Calif., assignor to High Seas Tuna Packing Co., Inc., San Diego, Calif., a corporation of California

Application July 15, 1949, Serial No. 104,848
10 Claims. (Cl. 198—30)



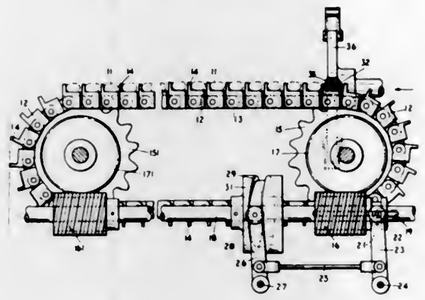
1. In a can positioning and feeding machine a can shaking and agitating mechanism, said can shaking and agitating mechanism comprising a shaker hopper having a pair of slidable end walls, said end walls inclining downwardly and inwardly, an inverted V-shaped member interposed between said end walls and having downwardly inclined leg portions sloping toward the respective end walls, means for reciprocating the end walls and the V-shaped member, and swingable agitating members mounted in the hopper and actuated during sliding movement of the V-shaped member.

2,583,708

CHAIN CONVEYER

Alfred German Rose, Gainsborough, England, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company

Application April 14, 1947, Serial No. 741,147
In Great Britain March 20, 1946
4 Claims. (Cl. 198—203)



4. In a wrapping machine, the combination with an intermittently movable pocket member arranged to receive the articles to be wrapped in succession at a transfer station, of a chain conveyor comprising a pair of driven sprockets spaced apart along the length of the chain and arranged in driving engagement therewith, a portion of said chain being arranged adjacent the transfer station, a worm wheel in driving connection with each of said sprockets, a driving shaft, a worm secured to the driving shaft and arranged in engagement with one of said worm wheels, a second worm slidably mounted on the driving shaft and arranged in engagement with the other of said worm wheels, that other worm wheel being adjacent the transfer station, an actuating member for reciprocating the second worm on the driving shaft so as to impart to said portion of the moving chain a relative movement alternately in opposite directions within the limits allowed by the play of the links, whereby said portion of the chain momentarily remains stationary, and a transfer member operating in synchronism with said actuating member for transferring the articles in succession from said portion of the chain to said pocket member while said portion is stationary.

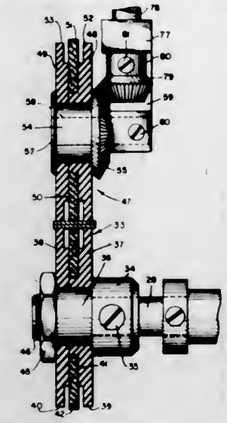
2,583,709

ELECTRONIC SEAMING MACHINE

Willard C. Rykert, Hinsdale, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application June 15, 1948, Serial No. 33,189
11 Claims. (Cl. 219—47)

10. A work feeding and electrode unit for an electronic seaming machine which comprises a rigid roller formed of non-conducting material, said roller being formed in two parts providing spaced circular work engaging faces, and a flexible band formed of material having good electrical conductivity yieldingly mounted between said spaced faces, said band being mounted on a rubber like core clamped between said parts of the roller to permit said band to yield in a radial direction when subjected to localized inward



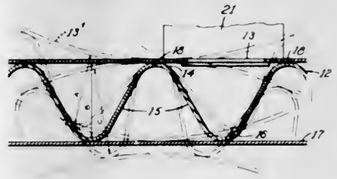
pressure, and said band having a slightly greater diameter than said faces.

2,583,710

WIPER BLADE FOR CURVED WINDSHIELDS AND OTHER SURFACES

Anthony C. Scinta, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application December 22, 1945, Serial No. 636,549
8 Claims. (Cl. 15—250)



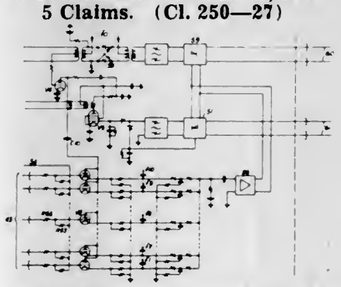
1. A wiper blade for curved windshields, having an elongated body with a wiping edge extending lengthwise thereof, and a resilient truss incorporated in the body and comprising an undulating spring strip having its crest portions at one side fixedly tied together by a spring leaf while leaving the opposite crest portions free, the undulations extending from the tie leaf in a plane substantially normal to the windshield surface.

2,583,711

ELECTRONIC SWITCHING SYSTEM

Frank Scowen, London, England

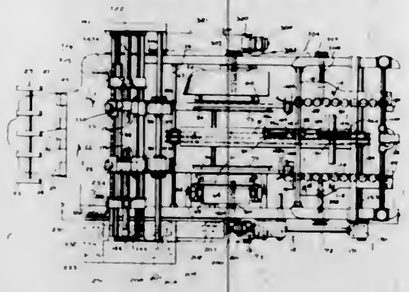
Application March 24, 1950, Serial No. 151,645
In Great Britain March 29, 1949
5 Claims. (Cl. 250—27)



1. An electronic gating circuit comprising in combination a trigger circuit having at least two

operating leads a restoring lead and an output lead, and a variable attenuation circuit, the variable attenuation circuit having an input and an output circuit and a control lead and means for connecting said control lead to said output lead.

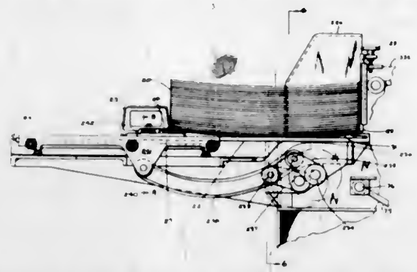
2,583,712
FOLDING MACHINE
Albert F. Shields, Forest Hills, N. Y., assignor to S & S Corrugated Paper Machinery Co. Inc., Brooklyn, N. Y., a corporation of New York
Application September 11, 1946, Serial No. 696,085
11 Claims. (Cl. 93—49)



4. In a folding machine for forming flat collapsed tubular box blanks from flat and scored sheets, said sheets having a pair of longitudinally extending side sections defined by score lines and foldable about said score lines into said collapsed tubular arrangement; stop members mounted on said machine; means for moving said blanks successively against said stop members, means for folding over the side sections, said folding means comprising a pair of oppositely disposed folding plates, means for rotating said plates about an axis parallel to the score lines defining said longitudinally extending side sections, said plates being rotatable and engaging the side sections during rotation, and rotating said side sections into face to face relation with the body of the blank; a pair of folding bars extending in the direction of movement of the blank, the outer edges of the folding bars coinciding substantially with the score lines between the main body of the blank and the extending side sections; pivotally mounted longitudinal bars, said stop members being mounted on said longitudinal bars, said longitudinal bars underlying the folding bars, said blank passing between said longitudinal bars and the folding bars, the stop members carried by said longitudinal bars being arranged to abut against the portion of the blank between the score lines and also engaging the folding bars to prevent the blank from forcing itself over the stop members, and means for removing the blank from the stops as the stops are lowered.

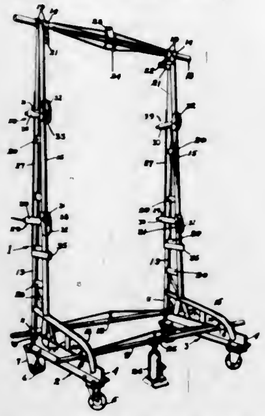
2,583,713
FEEDING MECHANISM FOR FOLDING MACHINES
Albert F. Shields, Forest Hills, N. Y., assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Original application June 3, 1947, Serial No. 752,199. Divided and this application January 3, 1949, Serial No. 70,320
1 Claim. (Cl. 271—44)

In apparatus for successively feeding the bottom sheet in a plane parallel to the said sheet from a stack of said sheets; a platform for supporting the stack of sheets, side guides for defining the stack of sheets and front guides for maintaining the stack of sheets in position; said front guides extending vertically above the said platform; a space between the lower ends of the front guides and the platform equal to slightly more than the thickness of one sheet; means in said feeding device adapted to feed out such sheets when such sheets extend in a perfect plane and when such sheets are warped, said means comprising a horizontally movable feed bar movable along the platform toward and away from the front guides, said feed bar extending above



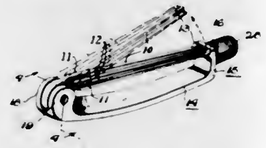
the level of the platform and including a rest for the trailing edge of the lowest sheet in the stack, whereby the trailing edge of the lowest sheet in the stack is held above the level of the platform; a stationary bar on the platform in the region of the front guides extending transverse to the direction of movement of the sheets, the leading edge of the lowest sheet in the stack resting on said stationary bar and being elevated above the level of the platform, a recess beneath said stationary bar; a portion of the feed bar being movable into said recess on the feed out stroke of the feed bar.

2,583,714
AUTOMOBILE TURNING AND SUPPORTING CARRIAGE
Charles R. Smith, Chicago, Ill.
Application October 26, 1946, Serial No. 705,846
2 Claims. (Cl. 214—1)



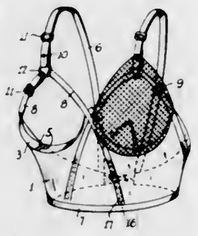
1. In an adjustable automobile turning and supporting carriage for vehicles having channel-type frames, a wheeled base, tubular members secured to the sides of said base at one end thereof normal thereto, curved supports connecting said tubular members and said wheeled base, additional tubular members connecting said first named tubular members and said curved supports, said additional tubular members disposed at an angle to said first named tubular members and diverging therefrom as they approach said curved supports, braces connecting said first named tubular members and said additional tubular members and extending beyond said additional tubular members for engagement with the vehicle frame, plates secured to said first named tubular members, a plurality of clamps adjustably connecting said first named tubular members to said additional tubular members and bearing upon said plates for engagement with the vehicle frame, two only of said clamps cooperating with said braces directly, said carriage in one position adapted for disposal beneath the vehicle for engagement with its frame, a bridge bar connecting tubular members at one side of said base to those at the opposite side, and a handle for said bridge bar.

2,583,715
HAIR CURLER
Sydor Solop, Woodside, N. Y.
Application February 2, 1950, Serial No. 141,897
2 Claims. (Cl. 132—41)



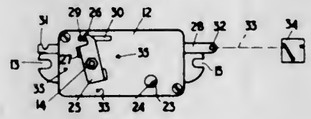
1. A two-piece hair curler comprising a resilient bowed retainer unit formed with spaced apart ears at one end and a latch head having a transverse V-lug at the other end, a pair of axially spaced lugs formed from each ear between the same, and a mandrel unit having its free end notched to engage the said transverse V-lug on the latch head, said mandrel being formed with an apertured ear, the aperture being engaged by the said lugs to pivotally connect the said units, and an axially extending knurled handle formed from the latch head for revolving the mandrel to wind a curl thereon, said mandrel being rectangular in cross section and formed with longitudinal grooves in each side, to thereby resist uncurling of a curl on the mandrel.

2,583,716
BODICE STRUCTURE
Alberto Jacinto Tagliero, Buenos Aires, Argentina
Application December 31, 1947, Serial No. 794,916
In Chile January 3, 1947
2 Claims. (Cl. 2—42)



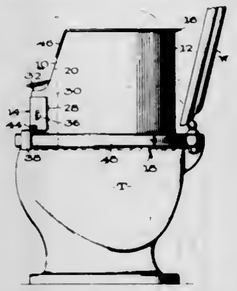
1. A breast supporting bodice having shoulder straps, comprising, in combination, two breast supporting members of substantially half-moon shape spaced one from the other and arranged to engage the lower periphery of the breasts of the wearer, each of said supporting members being formed of two sheets of pliable material secured together at the edges thereof to provide a pocket therebetween, a half-moon shaped resilient stiffening member extending into said pocket to position said breast supporting member substantially perpendicular to the body of a wearer, crossing straps connected to said shoulder straps, a piece of material for encircling the wearer's body, said supporting members and said crossing straps being secured to said piece of material, said crossing straps including strap portions crossing between said supporting members and extending toward the lower edge of said piece of material, said strap portions being provided with pockets therein, and substantially rigid reinforcing inserts arranged for position in said pockets of said strap portions.

2,583,717
MEANS FOR DETERMINING THE TIME OF RUN OF POWER-DRIVEN MODELS
Harold John Taplin, Birchington, England
Application March 21, 1950, Serial No. 150,830
In Great Britain March 22, 1949
3 Claims. (Cl. 161—1)



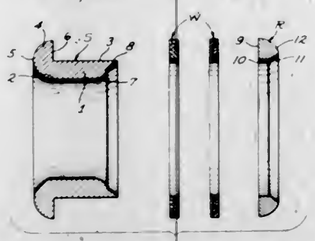
1. In a timing mechanism driven by a spring urged controlled speed clockwork train for controlling the time of run of a power driven model, a casing enclosing said train, and means adapted to stop the train after a predetermined period of time, said means including a bar mounted in the casing for linear movement and adapted to be coupled to means stopping the power unit of the model, a fixed stop on said casing, and a finger on the winding spindle of the clockwork train adapted to engage said bar and move it linearly into engagement with said stop when the spindle has turned through a predetermined angle.

2,583,718
COLOSTOMY APPLIANCE
Daniel W. Walls, Binghamton, N. Y.
Application March 3, 1950, Serial No. 147,421
12 Claims. (Cl. 4—1)



1. In a colostomy toilet shield, an approximately rectangular flexible member adapted to fit within the rim of a toilet bowl; curved clamping plates adjustably engaging opposite faces of the end portions of said member for varying the size of said shield; and means carried by the outer plate at points spaced lengthwise for supporting said member firmly on the rim of said toilet bowl.

2,583,719
GROMMET
Harold A. White, St. Thomas, Ontario, Canada, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application May 10, 1946, Serial No. 668,883
1 Claim. (Cl. 24—141)



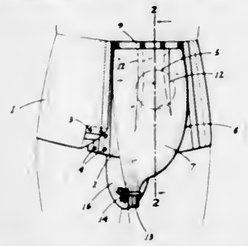
A grommet assembly comprising a grommet body member having a sleeve portion with a cylindrical periphery and a radial flange at one end thereof, an apertured sheet of material at least a portion of which is frangible, a compressible washer, and a grommet ring member; said sleeve portion fitting within the aperture in said sheet of material, washer, and ring member; a lip extending integrally from the other end of said sleeve portion, said lip being radially thinner in section than said sleeve portion with its outer surface intersecting the cylindrical periphery of said sleeve portion, said lip being deformed against said ring member to compress said washer and clamp said sheet and washer against said radial flange, the radial thickness of said sleeve portion being sufficiently greater than that of said lip that the resistance of said lip to axial deformation against said ring is considerably less than the resistance of said sleeve portion to axial shortening.

2,583,720
FOLLOW-UP APPARATUS AND SYSTEM
Robert Adler, Chicago, Ill., assignor to Consolidated Electric Company, Chicago, Ill., a corporation of Illinois
Application March 16, 1949, Serial No. 81,709
1 Claim. (Cl. 178—19)



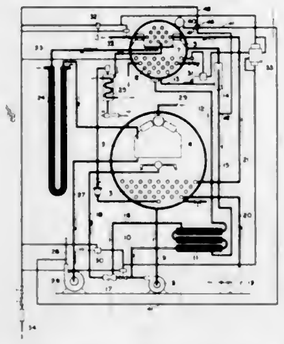
A continuous audio frequency signal follow-up system receiver including a follow-up element which assumes a position corresponding to the frequency of a transmitted signal comprising, galvanometric means comprising a permanent magnet field member and a moving coil member mounted therein for actuating said follow-up element, a vacuum tube for producing a substantially constant output voltage, an output circuit for said vacuum tube including a transformer having a center tapped secondary winding, a tunable circuit including one fixed and one variable reactance, coupling means to energize said tunable circuit from said output circuit whereby the current through said two reactances is substantially in phase with the voltage across said secondary winding when a voltage of the resonant frequency of said tunable circuit is applied to said output circuit, rectifier means for generating a continuous direct current output corresponding to the vector sums of the voltage across one of the said reactances and the voltages across each half of said secondary winding, respectively, an output circuit for producing a continuous D. C. voltage corresponding to the difference between said direct current outputs for energizing said coil and a link between said follow-up element and said variable reactance.

2,583,721
COLOSTOMY GARMENT
Lillian G. Beede, Marysville, Calif.
Application April 6, 1950, Serial No. 154,281
2 Claims. (Cl. 128—283)



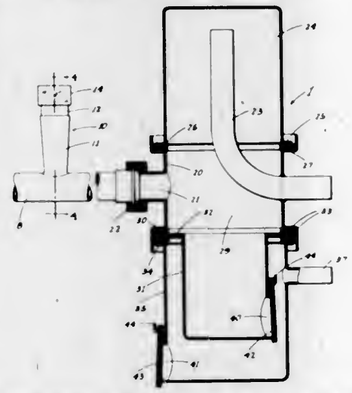
1. A colostomy garment comprising a relatively wide belt adapted to encircle the body of a colostomy patient, said belt including a detachable panel at the front in the zone of the colostomy opening, the panel having an aperture adapted to register with the colostomy opening, a drain bag of flexible material disposed in front of the detachable panel, the bag including a front and a rear wall, the latter being secured adjacent the top to the panel and below the point of securing having an opening matching said aperture in the panel, and means securing the back wall and panel together about said matching opening and aperture.

2,583,722
ABSORPTION REFRIGERATION MACHINE
Alexis A. Berestneff, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application December 15, 1948, Serial No. 65,482
6 Claims. (Cl. 62—119)



1. In an absorption refrigeration system, the combination of a shell, an element disposed in the shell cooperating therewith to form an absorber, a second element disposed in the shell above the first element cooperating with the shell to form an evaporator, a second shell, a member in the second shell cooperating therewith to form a generator, a second member in the second shell cooperating therewith to form a condenser, a strong solution line connecting the generator and the absorber through which solution flows from the generator to the absorber, means to withdraw refrigerant from the evaporator, a dilution tank, a first line connecting said means with the tank whereby the tank is filled with refrigerant when said means is in operation, a second line connecting the tank with the solution line, said tank being adapted to drain into the solution line, and means for opening said first line and for closing said second line when the system is in operation and for closing said first line and for opening the second line when the system is not in operation whereby solution in the system is diluted when the system is not in operation.

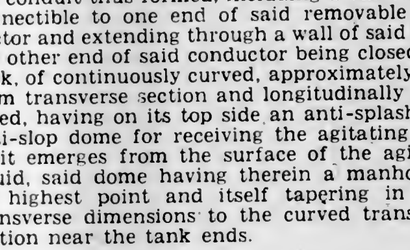
2,583,723
MILK RECEIVING AND DISCHARGING UNIT
George W. Berry, Modesto, Calif., assignor to Berry Milking System, Modesto, Calif., a partnership
Application May 5, 1950, Serial No. 160,183
1 Claim. (Cl. 119—14.07)



A milk releaser for a milking system which includes a vacuum line, a milk line, and a pulsator connected to the vacuum line, said releaser comprising a short vertical body open top and bottom, and having lateral milk and vacuum fittings adapted for connection with the milk and vacuum lines respectively, means mounting the body in a fixed position relative to said lines, the vacuum fitting projecting upwardly in the body to a termination above the same, a dome removably seated on the body over said projecting fitting portion, a primary milk receiver depending from the body, a secondary milk receiver surrounding the primary receiver, the secondary receiver being provided with a fitting adapted for connection with said pulsator, discharge valves operatively associated with each of said receivers, and means releasably clamping the receivers as a unit on the lower end of the body.

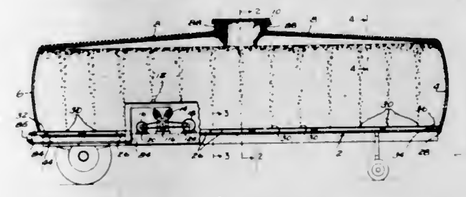
2,583,724
MAGNETIC FLOWMETER
Robert A. Broding, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application May 8, 1948, Serial No. 25,959
11 Claims. (Cl. 73—194)

1. A flow-meter device comprising magnetic core structure, energizing and pick-up coils coaxially mounted with respect to said core structure, and a tubular member of low magnetic permeability and low electrical conductivity extending though said coils and about said core



structure to provide a passage for flow of electrically conductive liquid externally of said core structure and coaxially through said coils in succession.

2,583,725
AGITATING DEVICE FOR LIQUID CONTAINING TANKS
David S. Brown, Plainfield, N. J., Charles F. Hawes, New York, N. Y., and Ralph E. Stork, Hohokus, N. J.
Application August 9, 1948, Serial No. 43,232
2 Claims. (Cl. 261—124)

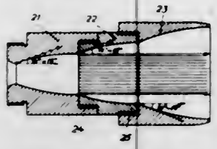


1. Means for effecting the agitation of the contents of a liquid containing tank comprising, in combination with the tank, a removable open-sided conductor adapted to form, when submerged in the liquid with its open side down, a conduit for an agitating aeriform fluid under pressure, said conductor having jet openings therethrough at intervals throughout its operative length and above its bottom edges, and means for introducing a suitable agitating aeriform fluid under pressure into the fluid distributing conduit thus formed, including a valved pipe connectible to one end of said removable conductor and extending through a wall of said tank, the other end of said conductor being closed, the tank, of continuously curved, approximately uniform transverse section and longitudinally elongated, having on its top side an anti-splash and anti-slop dome for receiving the agitating fluid as it emerges from the surface of the agitated liquid, said dome having therein a manhole at its highest point and itself tapering in both transverse dimensions to the curved transverse section near the tank ends.

2,583,726
NOZZLE
Joseph Aaron Chalom, Paris, France
Application January 17, 1949, Serial No. 71,339
In France January 26, 1948
4 Claims. (Cl. 51—282)

1. The method of machining the cylindrical inner surface of blanks of pressure-fluid nozzles for the production of an optimal profile for subsonic flow in the intake section and for supersonic flow in the exhaust section of the nozzle,

which comprises acting with an axially directed jet of gas laden with particles of abrasive matter on the cylindrical inner blank surface, until a cavity is formed, in which the angle between the nozzle axis and the tangent to the inner nozzle surface, which at the narrow throat in which the subsonic and the supersonic sections meet, is substantially zero, at the entrance to the supersonic section abruptly rises to 10–15 degrees, to then drop continuously in the direction of exhaust and becoming zero at the exhaust end.

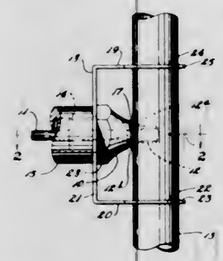


2,583,727

APPARATUS FOR UPSETTING A HEADED TUBULAR RIVET WHILE ALTERING THE SHAPE OF THE RIVET HEAD

Russell S. Colley, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application October 21, 1948, Serial No. 55,778
3 Claims. (Cl. 218—19)



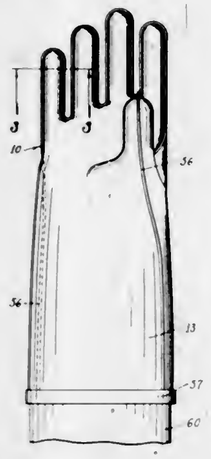
1. Apparatus for attaching in a distortion-resisting elongate wall of outer convex shape and inner concave shape a rivet having a tubular shank terminating in a preformed hollow head having an underface normally not conforming to the outer shape of the wall, while at the same time conforming the head to the outer shape of the wall, said apparatus comprising an anvil having an axial bore therethrough receiving a drawing element adapted to engage the tubular shank of the rivet, said anvil at one end thereof having a rivet-seating surface of troughed configuration surrounding said bore and extending cross-wise to and intersecting the axis of said bore for substantial conformance of said surface in spaced-apart relation to the outer shape of the wall laterally and longitudinally thereof so as to bend and re-form the head of the rivet and seat said underface thereof conformingly against the wall during the upsetting of the shank of the rivet, and bracing means associated with said anvil comprising a guide element spaced from said bore to a side thereof in a direction along the trough of said surface, said guide element having a generally U-shaped construction providing a pair of spaced-apart interconnected guide arms disposed to opposite sides of the trough of said surface and projecting substantially beyond and forwardly of said surface for embracing opposite sides of said elongate wall to facilitate the maintenance of a substantially parallel relationship of the seating surface of said anvil and the elongate wall and to resist turning movement of said anvil relative to the elongate wall and to brace said anvil against tilting in the direction along the trough of said surface during the upsetting of the rivet in the elongate wall.

2,583,728

METHOD OF MAKING RUBBER GLOVES AND LIKE ARTICLES

Cornelius J. Crowley, New Haven, Conn., assignor to The Seamless Rubber Company, New Haven, Conn., a corporation of Connecticut

Original application August 6, 1942, Serial No. 453,820. Divided and this application January 11, 1944, Serial No. 517,794
9 Claims. (Cl. 154—110)



4. The method of making a rubber glove, which comprises making a flat hollow blank of soft uncured rubber provided with fingers and a thumb all in one plane, and shaping the blank on a form to round the cross section of the fingers and thumb.

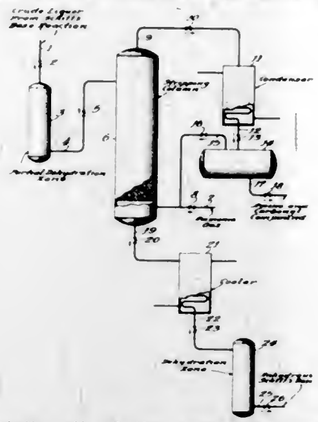
2,583,729

SEPARATION OF A SCHIFF'S BASE FROM THE CONDENSATION PRODUCT OF A PRIMARY AMINE WITH A CARBONYL COMPOUND

Richard M. Deanesly, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application November 28, 1947, Serial No. 788,636
5 Claims. (Cl. 202—46)

1. A process for recovering a Schiff's base from the condensation reaction mixture of a primary amine and a carbonyl compound selected from the group consisting of the aldehydes and ketones without substantial hydrolysis of said Schiff's base in the presence of the water contained in said condensation reaction mixture which comprises contacting said condensation reaction mixture in liquid phase with a solid dehydrating agent selected from the group consisting of the anhydrous alkali and alkaline earth metal carbonates, thereby at least partially dehydrating said condensation reaction mixture, thereafter passing said partially dehydrated mixture in a liquid state countercurrent to anhydrous ammonia gas to strip uncondensed primary amine and carbonyl compound therefrom, and contacting the resulting liquid residue of the stripping operation with a dehydrating agent to remove substantially all of the remaining water from the residue comprising said Schiff's base.

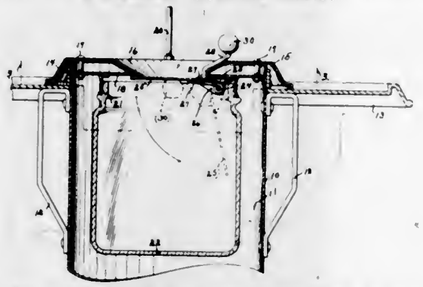


2,583,730

TOBACCO ASH RECEPTACLE

Marion Talbert Dick, Des Moines, Iowa, assignor to Cadet Smokestands Company, Des Moines, Iowa, a business trust

Application July 10, 1946, Serial No. 682,578
3 Claims. (Cl. 220—20.5)



1. In a device of the class described, a hopper top having downwardly and inwardly extending walls which terminate in an opening, a plate member secured to the under side of said hopper top, a threaded member secured on the under side of said plate member embracing the opening in said hopper top and designed to engage a container, a trap door hingedly secured to said plate member and capable of closing the opening in said hopper top when in a closed position, a means for yieldingly holding said trap door in a closed position, a recess formed in the downwardly and inwardly extending portion of said hopper top, and an operating handle directly secured to said trap door and extending through said recess when said trap door is in a closed position.

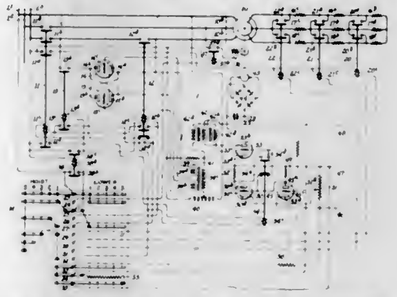
2,583,731

HOIST CONTROLLER

William H. Elliot, Shorewood, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application June 21, 1945, Serial No. 600,714
10 Claims. (Cl. 318—226)

10. In a hoist control system or the like, in combination, a source of polyphase current, a motor having a polyphase primary winding including a plurality of terminals for connecting it to said source and a secondary winding, a variable impedance connected to said secondary winding, a second impedance, a pair of space discharge devices connected inversely parallel to each other and each having a control electrode, means for impressing upon said control electrodes alternating potentials of the same frequency as that of said polyphase current, means affording a potential which varies in response to the speed of said motor, manual means operative selectively for effecting connection of said terminals to said source with and without said space discharge devices between said source and one of said terminals and alternatively effecting disconnection of said one terminal from said source and connection thereof in series with said space discharge devices and said second impedance to another of said terminals, said manual means including means affording adjustment of said speed responsive potential with respect to said speed and means to reverse the relation of said potential variations and the variations of said speed, and means to impress a voltage derived from said speed responsive potential upon said first mentioned means to afford, through potential regulation of a single terminal of said primary winding, motor speed control through a range extending between approximately 90% and 250% slip, said manual means being alternatively operative to effect connection of said terminals to said source exclusive of said space discharge devices and to vary said variable impedance to afford operation of said motor through a range between approximately 100% and substantially zero slip.



2,583,732

METALLIC CARBIDES USED AS MICROPHONE RESISTANCE GRANULES

Eric Arvid Ericsson, Stockholm, and Anders Ossian Jörgensen, Traneberg, Sweden, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden

No Drawing. Application May 8, 1950, Serial No. 160,808. In Sweden May 25, 1949
3 Claims. (Cl. 179—190)

1. A microphone containing, as the pressure-dependent electrical resistance, granules of a metal carbide.

2,583,733

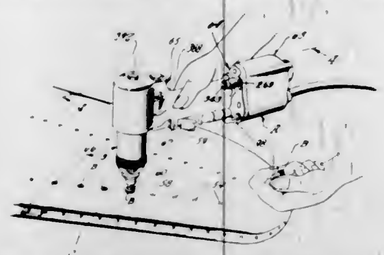
HYDRAULIC TOOL FOR PULLING CLINCH NUTS

Howard R. Fischer and James A. Roberts, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

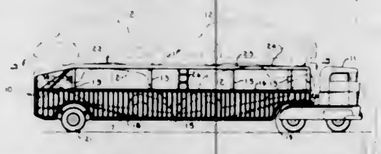
Application January 23, 1948, Serial No. 3,926
14 Claims. (Cl. 218—19)

1. A pull gun for pulling clinch nuts comprising a screw mandrel for receiving the clinch nut,

a rotary air motor for driving the screw mandrel, a housing having a work chamber for receiving the rotary air motor, a hollow work piston operable in the work chamber and nose means slidably connected to the housing and surrounding the mandrel and movable with the piston, said work piston surrounding the air motor and being axially movable relative to the mandrel and housing to move the nose means relative to the mandrel.



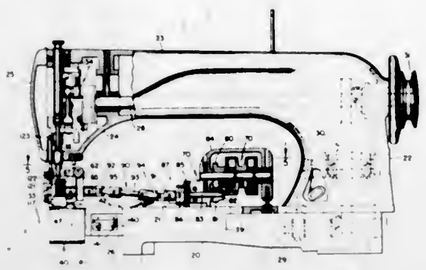
2,583,734
AUTOMOBILE TRANSPORTING TRAILER
Lynn M. Francis, Detroit, Mich.
Application July 25, 1947, Serial No. 763,480
1 Claim. (Cl. 296—1)



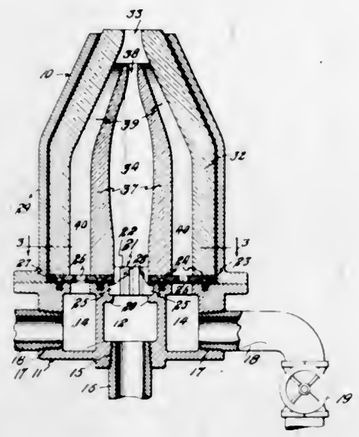
In an automobile carrying trailer, the combination of a pair of longitudinally extending laterally spaced sides, a lower automobile carrying deck, an upper automobile carrying deck, means to facilitate loading of said lower deck by pivotally raising the rear portion of said upper deck and including a pivotal connection between said trailer and said upper deck near the forward end thereof, and means to prevent substantial lateral movement of said upper deck including a plurality of upright posts mounted vertically along the sides of said trailer and having vertical slots therein, and a plurality of elongated guide shafts depending from said upper deck along the sides thereof, said guide shafts being tapered to a relatively narrow lower end and being thus adapted to telescope freely in and out of said slots as the upper track is pivoted, said guide shafts being partially disposed in the slots in all pivoted positions of said upper deck to prevent lateral misalignment thereof.

2,583,735
SEWING MACHINE
Robert A. Hayes, Franklin Park, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application July 29, 1950, Serial No. 176,565
14 Claims. (Cl. 112—214)

1. In a sewing machine that includes a frame which carries vertically reciprocable presser and needle bars and a rotary hook adapted to cooperate with a needle secured to the needle bar in the formation of stitches in a piece of work, a hollow throat plate secured to the frame and positioned in surrounding and spaced relation to the rotary hook, a retainer for the rotary hook attached to and disposed within the throat plate, a pair of substantially parallel feed rollers consisting of a first roller mounted on the throat plate and a second roller secured to the presser bar, a rotary roller driving shaft carried by the frame, means for imparting intermittent rotation to the driving shaft, first and second rotary shafts connected respectively to the first and second rollers, and means for simultaneously rotating the first and second shafts at the same peripheral speed in response to corresponding rotation of the driving shaft.

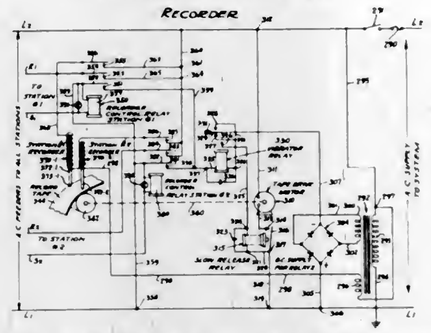


2,583,736
GAS HEATER
Frederic O. Hess, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application February 23, 1946, Serial No. 649,675
4 Claims. (Cl. 263—19)



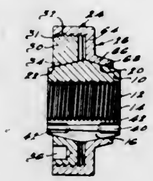
2. In a gas burner the combination of structure forming a combustion chamber having a restricted outlet and an inlet, a screen provided with a plurality of small passages across said inlet, means through which a combustible mixture is forced through said screen to burn in said chamber, the products of combustion issuing at high velocity through said outlet, structure forming additional chambers on opposite sides of said combustion chamber, said additional chambers extending beyond said combustion chamber and having a common restricted discharge port axially aligned with said outlet, and means through which a fluid can be forced into said additional chambers to be mixed with the products of combustion between said outlet and said discharge port.

2,583,737
PHOTOELECTRIC RECORDING DEVICE
Harry William Hoffman, Anoka, Minn., and Grover H. Helmer, deceased, late of St. Louis Park, Minn., by Esther Helen Helmer, special administratrix, St. Louis Park, Minn., assignors to Federal Cartridge Corporation, Minneapolis, Minn., a corporation of Minnesota
Original application September 6, 1943, Serial No. 501,424. Divided and this application April 28, 1947, Serial No. 744,524
6 Claims. (Cl. 346—38)



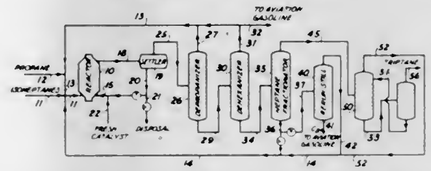
1. An apparatus for recording the movement of an illuminated body comprising a plurality of photocell stations located at spaced intervals along the path of movement of said illuminating body, each station having a photocell, an amplifier and a signal relay connected to the photocell and responsive thereto, a plurality of recorder relays at a remote station connected, respectively, to said signal relays of the photocell stations, a record tape and record moving means, means connected to and responsive to each of the recorder relays and responsive to actuation of any of said recorder relays for causing the actuation of the record moving means when the first of said recorder relays is actuated and for continuing said actuation for a short time interval, and means responsive to each recorder relay when actuated for marking the record.

2,583,738
ADJUSTABLE RING GAUGE
George Hohwart and Ernest F. Hohwart, Detroit, Mich., assignors to N. A. Woodworth Company, Ferndale, Mich., a corporation of Michigan
Application January 31, 1946, Serial No. 644,602
1 Claim. (Cl. 33—178)



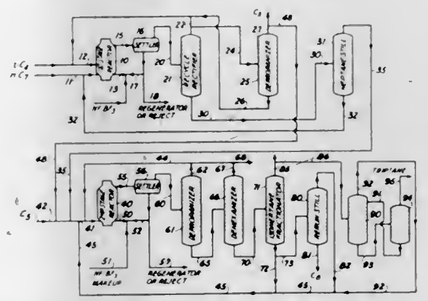
An adjusting ring gage comprising a radially contractible gaging member having oppositely tapered peripheral surfaces; an adjusting member having a radial flange portion disposed around and at substantially the middle of said gaging member, axial annular portions extending in opposite directions from the radially inner and outer edges respectively of said radial flange portion, the inner axial portion having a tapered inner surface which mates and seats solidly against one tapered surface of the gaging member and the outer axial portion having an internally screw-threaded annular surface which surrounds and is spaced circumferentially from the other tapered surface of the gaging member; and a rigid clamping ring confined between the gaging member and the last-mentioned surface of the adjusting member, said ring provided with an inner tapered surface which mates and seats solidly against the confronting tapered surface of the gaging member and external screw threads which engage the internal screw threads of said adjusting member.

2,583,739
CATALYTIC ISOMERIZATION OF ISOHEPTANES TO TRIPTANE
Jacob D. Kemp, San Francisco, and Arthur E. Stickland, Berkeley, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application January 22, 1946, Serial No. 642,604
4 Claims. (Cl. 260—683.5)



3. In a process for the production of triptane by the catalytic isomerization of isoheptanes the improved method which comprises contacting a liquid feed consisting predominantly of methyl hexanes and dimethyl pentanes with a liquid isomerization catalyst consisting of HF and BF_3 and containing about 5–25% by weight of BF_3 at a temperature of 25° F. to 75° F., effecting said catalyst contacting step in the presence of 6–12 volumes of liquid propane per volume of feed whereby the formation of undesired side reaction products especially 2,2 and 3,3 dimethyl pentane is substantially reduced.

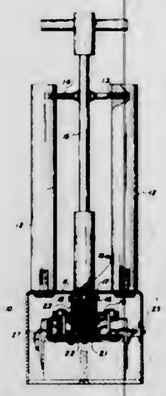
2,583,740
TWO-STAGE ISOMERIZATION OF N-HEPTANE
Jacob D. Kemp, San Francisco, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application January 22, 1946, Serial No. 642,605
2 Claims. (Cl. 260—683.5)



1. A process for isomerizing n-heptane which comprises intimately contacting one volume of n-heptane and 2 to 4 volumes of iso-butane with at least 0.2 volume of a liquid isomerization catalyst consisting of HF and 8–12% by weight of BF_3 at a temperature in the range of 90–125° F. for a period not exceeding 30 minutes, separating from the isomerization product an iso-heptane con-

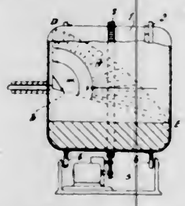
centrate comprised of methyl hexanes and dimethyl pentanes, intimately contacting one volume of said iso-heptane concentrate with at least 0.2 volume of a liquid isomerization catalyst consisting of HF and containing from 13–19% by weight of BF_3 at a temperature of 25–60° F. for a period not exceeding 30 minutes and in the presence of 6 to 12 volumes of liquid propane whereby the formation of 2,2- and 3,3-dimethyl pentanes is substantially reduced, and producing an isomerization product containing substantial proportions of triptane.

2,583,741
MAGNETIC OSCILLATORY DEVICE
Floyd R. Kiler, Monrovia, Calif.
Application April 11, 1949, Serial No. 86,845
6 Claims. (Cl. 172—126)



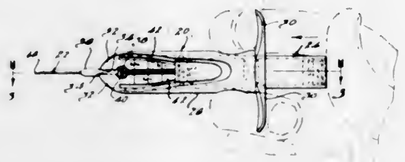
1. A magnetic movement as described, comprising in combination a base, a magnet suspended over said base, a solenoid within said base having a plunger, a plunger actuated switch, and a power source, said plunger being actuatable by said magnet when over said solenoid to close said switch and be magnetized by said solenoid with a polarity opposite to that of said magnet whereby said magnet is displaced from its position over said solenoid and said switch thereupon is opened to de-magnetize said solenoid.

2,583,742
APPARATUS FOR DIFFUSING LIQUIDS IN VISCOUS MASSES
Maurice Lepin, Le Peage-de-Roussillon, and Auguste Bally, St.-Maurice-l'Exil, France, assignors to Societe "Rhodiaceta," Paris, France, a company of France
Application December 15, 1948, Serial No. 65,455
In France December 18, 1947
1 Claim. (Cl. 23—286)



Apparatus for diffusing a liquid into a viscous mass, comprising a vessel rotatable about a horizontal axis, means for rotating said vessel and a diffuser comprising a conical piece disposed in the horizontal axis of said vessel, the top of said conical piece being placed at a short distance from the conduit supplying the liquid, the upper generator of the cone forming substantially a right angle with said horizontal axis and the lower generator cutting the wall of the vessel opposite to the position of the diffuser at a point corresponding to the level of the reaction mass in normal usage of the apparatus.

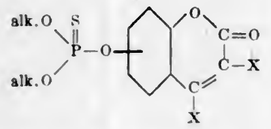
2,583,743
HYPODERMIC SYRINGE
Marshall L. Lockhart, Detroit, Mich., assignor of one-half to Margaret L. Lockhart, Detroit, Mich.
Application October 2, 1944, Serial No. 556,737
5 Claims. (Cl. 128—220)



1. A hypodermic syringe including a body comprising a base, a pair of legs fixedly connected adjacent their inner ends to said base, said legs extending from said base in spaced relationship to define an ampule-receiving chamber between them and having free outer ends, said body being formed of material such that the outer ends yieldingly resist separation, needle-gripping portions adjacent the outer ends of said legs and disposed beyond the end of said chamber, said portions providing between them a needle-gripping structure such that, by flexing said legs to separate the gripping portions, a needle may be moved laterally into position therebetween, said base being formed with an opening in line with the space defined between said legs, and a thrust portion integral with and extending from said free outer ends towards said base and into said chamber, said portion forming a fixed part of said syringe body and being engageable with the piston closure of an ampule projected through said base opening and into the chamber between said legs.

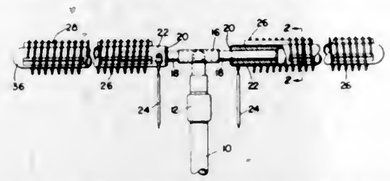
2,583,744
ESTERS OF THIOPHOSPHORIC ACID
Gerhard Schrader, Opladen-Bruchhausen, and Hans Kükenthal, Leverkusen-Bayerwerk, Germany, assignors to Farbenfabriken Bayer, Leverkusen, Germany
No Drawing. Application March 26, 1949, Serial No. 83,782. In Switzerland April 5, 1948
8 Claims. (Cl. 260—344.6)

1. Esters of the general formula:



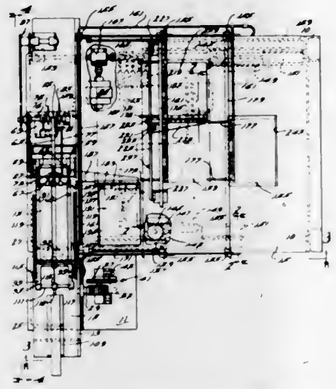
wherein alk stand for lower alkyl radicals, and X for one of the group consisting of hydrogen and lower alkyl, being oily to crystallized substances of powerful pesticidal properties.

2,583,745
HIGH-FREQUENCY ANTENNA
Rody Miller, Akron, Ohio
Application December 2, 1948, Serial No. 62,997
4 Claims. (Cl. 250—33)



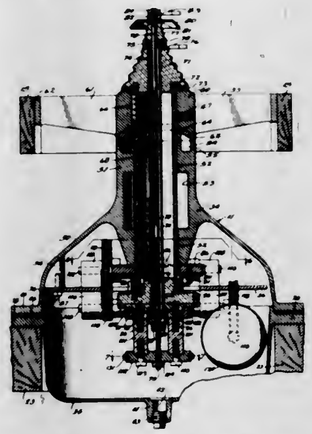
1. A high frequency wave antenna comprising a support, a two-leg dipole carried on the support, each leg in insulated relation to each other and to the support, each leg of the dipole being substantially equal in length to one quarter of the operating wave-length, electrical leads extending from each leg of the dipole, a helical coil of wire surrounding each leg of the dipole over substantially its full length, strip means spaced circumferentially around each leg of the dipole and insulating the coil therefrom, the total length of the wire in each coil being a full number multiple of the length of the dipole leg, and the diameter of each coil being greater than the diameter of each leg of the dipole.

2,583,746
SHEET ASSEMBLING AND FOLDING MACHINE
Eric W. Peterson, Ottawa County, Mich., assignor to Roy W. Le Moyne, Detroit, Mich.
Application September 13, 1948, Serial No. 49,105
13 Claims. (Cl. 270—45)



1. A machine for assembling duplicator master sets of the type in which a sheet of carbon paper is attached to and folded into a unitary paper jacket formed from a single strip of paper, which is divided into three interconnected end to end sections, including means for supporting a stack of paper strips, means disposed adjacent said paper strip stack supporting means for supporting a stack of carbon sheets, a device for glue spotting one end section of the uppermost paper strip of said stack, mechanism for transferring a single carbon sheet from its stack and positioning it on said glue spotted paper strip section so that said carbon paper will adhere to said section, a plurality of stations adjacent said paper strip stack at which each paper strip with its attached carbon sheet is folded, mechanism for transferring said uppermost paper strip and attached carbon sheet from said paper strip stack to the first folding station, a device at said first folding station for folding one end section of said paper strip over said intermediate section, mechanism for transferring said partially folded paper strip from said first folding station to a second folding station, a device at said second folding station for folding said third paper strip section over said other two sections, transfer mechanism for moving said folded paper jacket away from said second folding station, means for operating said transfer mechanisms so as to cause simultaneous movement of the paper strips from their prior stations to a subsequent station and a carbon sheet from its stack to a paper strip; and synchronizing means for co-ordinating the operation of said transfer mechanisms and said folding devices so that each master set is automatically moved through said machine and each operating cycle of said machine will produce a finished duplicator master set.

2,583,747
ROTARY ANTENNA
Marcus L. Potter, Park Ridge, Ill., assignor to Gordon Specialties Company, a corporation of Illinois
Application January 26, 1946, Serial No. 643,661
13 Claims. (Cl. 250—33)



9. A rotating mechanism for an antenna comprising an enclosed frame having an upwardly projecting tubular extension, a spider carrying the antenna, bearing and sealing means interposed between the upper end of the tubular extension and the spider for supporting and mounting the spider for rotation in a horizontal plane on the upper end of the tubular extension and for sealing the interior of the enclosed frame, a reversible motor mounted within the enclosed frame, and a driving connection between the motor and the spider including a part extending through the tubular extension.

2,583,748
STOCKING CONSTRUCTION
Sol Reinstein, Philadelphia, Pa.
Application February 4, 1950, Serial No. 142,371
5 Claims. (Cl. 66—178)

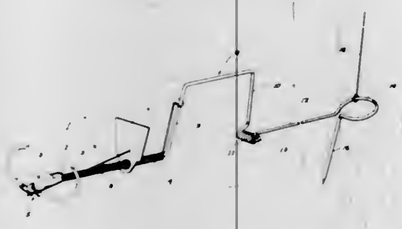
1. In a stocking having a plain knitted leg portion of regular stitches provided with a seam extending longitudinally along the rear thereof, indicia for indicating the condition of the seam along the leg of the wearer of the stocking, said indicia being in the form of barely discernible

marks arranged in vertically spaced relation along a frontal line of the stocking extending



walewise of the stocking and in diametrically opposed relation to the rear seam thereof.

2,583,749
ANCHOR FOR GOPHER TRAPS
Earle L. Roberts, Modesto, Calif.
Application May 15, 1948, Serial No. 27,179
2 Claims. (Cl. 43—96)



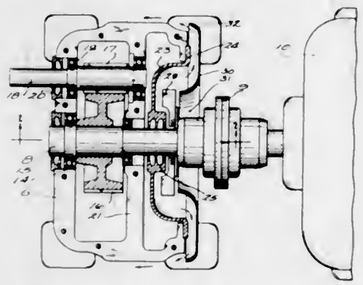
1. In combination with a trap which comprises a relatively narrow stiff frame extending longitudinally of the trap and vertically upstanding with respect to the ground level when the trap is in operative position, an anchor means disposed to the rear of the frame effective to inhibit longitudinal movement of the trap or tilting thereof laterally of the longitudinal axis of said trap; such anchor means including a rigid leg projecting longitudinally of the trap for a distance beyond the rear end of the frame, a relatively large stiff flat loop fixed to the outer end of the leg and lying in a plane at right angles to the vertical plane of the trap frame to stabilize the leg against lateral tilting, a downwardly depending stake on the loop, and means connecting the leg and frame at adjacent ends, said connecting means being substantially rigid between the leg and frame with respect to relative lateral swinging of the former and relative lateral tilting of the latter.

2,583,750
TONGUE SCRAPER
Garland D. Runnels, New York, N. Y.
Application October 9, 1947, Serial No. 778,842
2 Claims. (Cl. 128—304)

1. An applicator for the tongue comprising a handle, a head connected to said handle, a plurality of lateral ridges on the front face of said head, ridges extending along each side of said head and defining a plurality of pockets with said lateral ridges, and a resilient neck portion between the head and the handle, said neck portion being substantially round in cross-section whereby the handle is permitted to assume different angular positions in all directions with respect to the plane of the head.



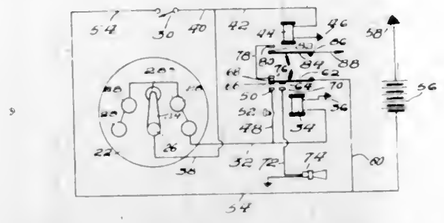
2,583,751
AIR-COOLED GEAR SET
Walter P. Schmitter, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application October 27, 1948, Serial No. 56,758
10 Claims. (Cl. 184—104)



7. In a gear set, a housing having an aperture therein and retaining a pool of lubricant, a bridging member extending across the housing and spaced from the top and bottom thereof, a plurality of gears rotatably mounted in the housing for splashing lubricant on the housing and closure wall, splashing of the lubricant vaporizing a portion thereof, a plurality of shafts severally supporting the gears, one shaft extending from the housing, a domed closure for the housing aperture and extending into the housing for co-action with the bridge member in defining a path for lubricant vapor flow for cooling lubricant in the housing, and a fan mounted on the extending end of the shaft adjacent the exterior surface of the closure for causing air flow over the exterior closure surface for cooling lubricant in contact therewith.

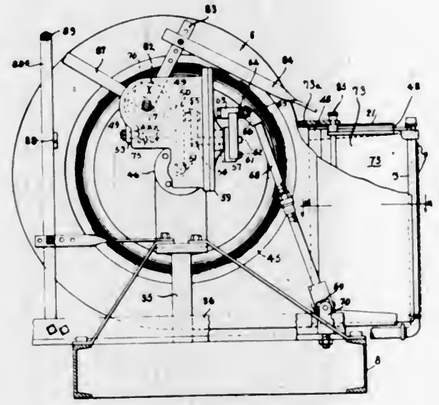
2,583,752
IGNITION CONTROL AND ALARM SYSTEM
Wilke W. Smith, Burbank, Calif.
Application July 18, 1949, Serial No. 105,379
2 Claims. (Cl. 177—314)

1. In an ignition control and alarm system, an ignition circuit, an ignition control circuit having therein an ignition switch for completing said control circuit, a plural contact selector switch, an alarm control relay, an alarm control circuit including in series therein said ignition switch, a plurality of selected contacts of said selector switch and the winding of said relay and



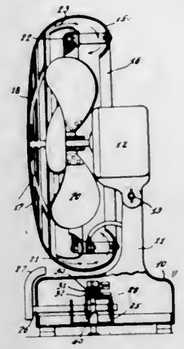
means operated by said relay when it is energized for closing a locking circuit for itself independent of its first mentioned circuit, for closing an alarm circuit and for opening a point in the ignition circuit.

2,583,753
ORCHARD SPRAYER
Warren M. Spreng and William H. Zehner, Ashland, Ohio, assignors to The F. E. Myers & Bro. Co., Ashland, Ohio, a corporation of Ohio
Application January 9, 1946, Serial No. 640,072
3 Claims. (Cl. 299—37)



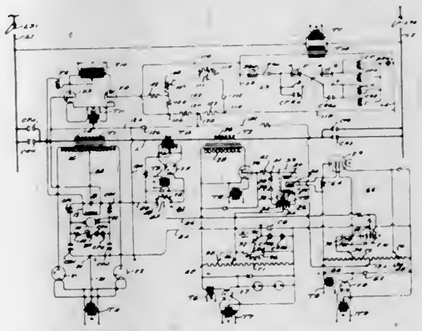
1. A spray machine comprising a blower casing having a discharge opening, a plurality of spray nozzles positioned in the region of said opening, means for supplying spray material under pressure through said nozzles, a plurality of movable vanes positioned in the region of said nozzles for directing the spray material in a horizontal direction, means mechanically coupled to the operating parts of said machine for automatically and continuously oscillating said blower casing in the vertical direction, means mechanically coupled to the operating parts of the machine for moving the vanes at a predetermined rate of speed throughout their travel in one direction during the time that the machine is spraying a given tree, and means for moving the vanes at an accelerated rate in the opposite direction in order to immediately direct the spray onto the next tree which the machine is approaching.

2,583,754
ELECTRIC FAN AND HEATER
John P. Theisen, Columbus, Ind., assignor to Arvin Industries, Inc., a corporation of Indiana
Application September 6, 1949, Serial No. 114,127
5 Claims. (Cl. 219—39)



1. In a room heater, a rotatable fan, means for rotating the fan, an annular, trough-like reflector surrounding and acting as a shroud for said fan, an annular electrical-resistance heating element arranged within said reflector and a casing surrounding said reflector, said casing having an inlet opening in rear of said fan, an outlet opening in front of said fan, and an annular side wall spaced outwardly from the reflector to define in co-operation therewith a passage for recirculating air.

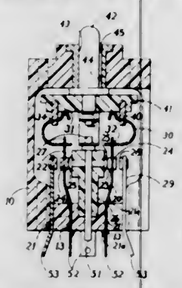
2,583,755
ELECTRICAL CONTROL SYSTEM
Gustav E. Undy, Detroit, Mich., assignor, by mesne assignments, to Weltronic Company, a corporation of Michigan
Application June 2, 1945, Serial No. 597,275
25 Claims. (Cl. 322—73)



1. In a control system for a dynamo electric machine having an energizable winding adapted to be energized with direct current from a source of alternating current, first and second translating means having primary windings adapted for connection across said source, said translating means having secondary windings, means including rectifying means for connecting said energizable winding to the secondary winding of said first translating means, means for controlling the voltage impressed across said first translating means from said source including an electric valve having its principal electrodes connected across the terminals of said other secondary winding, and means responsive to an increase in current flowing to said energizable winding to

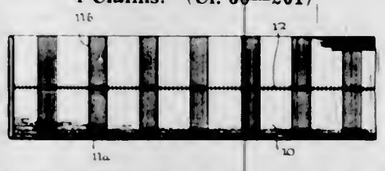
vary the conductivity of said valve whereby an increased voltage is applied to said energizable winding.

2,583,756
SNAP SWITCH
Eric C. Wahlberg, Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application November 16, 1948, Serial No. 60,248
6 Claims. (Cl. 200—67)



1. An electric switch comprising a contact carrier movable back and forth between two circuit making positions and having a free end movable about a fixed end, means for biasing the contact carrier to one of said positions, an endwise flexed and compressible resilient spring, one of its ends engaging said free end of the contact carrier and disposed upon actuation to produce a force counter to the biasing means upon the contact carrier, an actuator engaging the other end of the spring and effective upon actuation to move the spring in a direction substantially in line with the contact carrier and to flex the spring, whereby the contact carrier is caused to move from one to the other of said two circuit making positions.

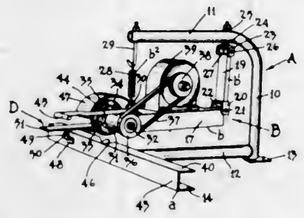
2,583,757
TUBULAR KNITTED FABRIC
Jules G. Walter and Samuel Cohn, New York, N. Y., assignors to Samcoe Holding Corporation, New York, N. Y., a corporation of New York
Original application April 10, 1947, Serial No. 740,600, now Patent No. 2,467,281, dated April 12, 1949. Divided and this application March 15, 1949, Serial No. 81,435
4 Claims. (Cl. 66—201)



4. A reformed tubular-knitted fabric having its upper and lower layers relatively adjusted longitudinally and sewn together with the rows of courses in the pattern of the knitted fabric itself in registry, and said fabric having substantially the same number of wales as when originally knitted.

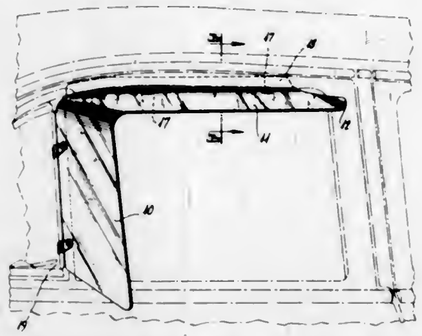
2,583,758
SICKLE GRINDER
Clifford B. Webber, Coon Rapids, Iowa
Application January 30, 1946, Serial No. 644,243
5 Claims. (Cl. 51—36)

5. A grinder comprising a frame having an overhead support, a first pendulous suspension linkage hung from said support forwardly thereof, a second pendulous suspension linkage hung from said support rearwardly thereof, a hanger support carried by said first and second linkages, said first linkage being connected at its lower portion to said hanger support forwardly thereof and said second linkage being connected at its lower portion to said hanger support rearwardly thereof, a grinding wheel revolubly supported on the hanger support at the forward portion thereof, a motor mounted on said hanger support between said first linkage and said second linkage, means operatively connecting said motor to said grinding wheel for rotating the same, said first linkage being yieldingly extensible enabling the forward portion of the hanger support to be forcedly moved downwardly to



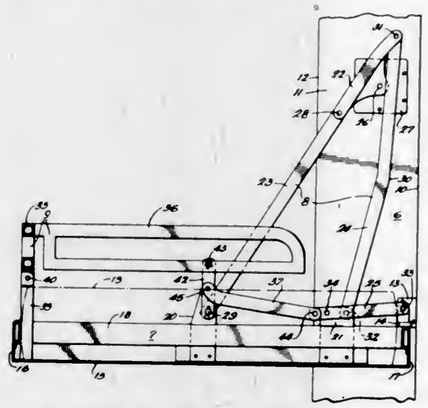
lower the grinding wheel into contact with an article to be ground, said first linkage being swingable fore and aft and laterally enabling said forward portion of said hanger support to be similarly moved for shifting the grinding wheel forwardly, rearwardly and sidewise, said second linkage being swingable, but only fore and aft, enabling the rearward portion of said hanger support to move conformably with the forward and rearward movements of said forward portion of said hanger support while depriving said rearward portion of said hanger support of lateral swinging movements, said second linkage supporting said rearward portion of said hanger support swivelly enabling the same to turn horizontally in conformity with the sidewise movements of said forward portion of said hanger support.

2,583,759
WEATHER SHIELD
Sidney B. Williams and Charles O. Butler, Oakland, Calif., assignors to C & S All Weather Shield Co., Oakland, Calif., a copartnership
Application February 27, 1950, Serial No. 146,566
3 Claims. (Cl. 296—44)



1. The combination with a motor vehicle window, having a main window opening, a forward swivel window, and a dividing post between said windows formed with an abutment for the swivel window; of a weather shield composed of transparent sheet material and comprising a vertically disposed wing coextensive with said post and secured thereto by spaced clips conforming to the wing window abutment thereon, said clips being locked in position by closure of the wing window thereagainst, said shield having a horizontally disposed wing forming a continuation of its vertical wing and extending along the full length of the upper edge of the main window opening, the vertical and horizontal wings being inclined outwardly on converging planes intersecting at substantially right angles whereby to deflect air away from the main window opening during travel.

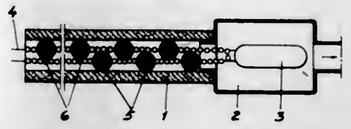
2,583,760
GUARD RAIL FOR FOLDING BERTHS
Edward E. Woller, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application September 24, 1948, Serial No. 51,005
7 Claims. (Cl. 5—9)



5. In a device of the class described, the combination of a supporting frame, a bed bottom swingably mounted on said frame for movement between a horizontally-disposed sleeping position and a vertically-disposed non-usable position, a side rail hinged on posts mounted on the outer lateral side of said bed bottom so as to dispose the axis of the hinge approximately in the plane of the upper surface of a mattress resting on said bed bottom, a transverse end rail pivoted to said side rail so as to be movable in its own plane when said side rail is shifted on its pivot, and link means connecting said transverse end rail with said frame whereby with the swinging of said berth between its horizontal and vertical positions said side rail is automatically shifted between a vertically-erect position when said bed bottom is in its horizontally-disposed sleeping position and a collapsed position approximating parallelism with the plane of said bed bottom when said bed bottom is in its vertically-disposed position.

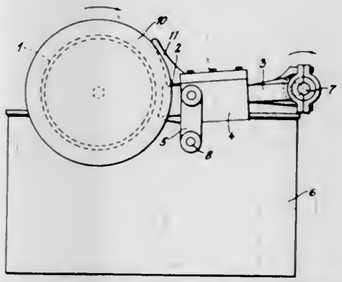
2,583,761
PIPE OR HOSE CONDUIT WITH HEATING MEANS
Eskil Anders August Axelson, Stockholm, Sweden
Application May 4, 1949, Serial No. 91,250
In Sweden June 29, 1948
4 Claims. (Cl. 219—39)

1. A device for conveying a fluid between a supply point and a delivery point and maintaining an elevated temperature in the fluid comprising a flexible hose, a resistance wire disposed longitudinally within the inner space of the hose in direct contact with the fluid, means holding the wire in spaced relationship to the inner sur-



face of the hose, a thermostat arranged within the hose, a supply circuit for the wire, a switch in the circuit, and a relay operatively connecting the thermostat to the switch thereby to control the operation of the switch in response to the temperature at the thermostat.

2,583,762
FISH SEPARATING MACHINE
Oscar Anhanger, Trondheim, Norway
Application December 30, 1947, Serial No. 794,757
In Norway November 30, 1944
1 Claim. (Cl. 17—2)

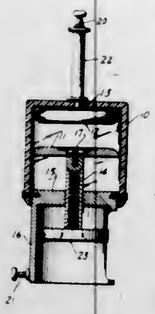


In a fish separating machine comprising a machine stand, a rotatable perforated drum mounted on said stand, a hammer adapted to reciprocate against the exterior of said drum, and means to rotate said drum, said hammer being mounted in a housing, the improvement comprising a pivotal link between said housing and said stand, and means to reciprocate said housing and hammer towards said drum whereby said hammer is caused to move with a compound motion towards the drum, said compound motion including a normally rectilinear reciprocatory movement and a peripheral movement relative to said drum.

2,583,763
ELECTROSTATIC APPARATUS FOR MEASURING VOLTAGES
James Leonard Blayney, Lansdale, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 26, 1949, Serial No. 89,693
12 Claims. (Cl. 171—95)

12. In an electrostatic potential-measuring device: a pair of electrically conductive plates arranged in substantially parallel, vertically spaced juxtaposition; means for applying between said plates a potential to be measured; a conductive member of predetermined area and mass supported upon the lower of said plates with freedom for movement away from said lower plate and toward said upper plate; means for varying the spacing between said conductive plates with resultant variation of the spacing between said member and said upper plate, there being one

spacing of said plates, for each given potential difference, for which spacing the gravitational force acting upon said member is balanced by the electrostatic force existing between said plates as
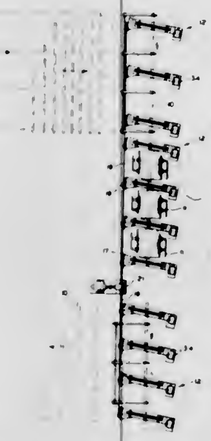


a result of the application of the mentioned potential; and means effective to indicate the magnitude of the applied potential when said balance is attained.

2,583,764

CONVEYER, PARTICULARLY FOR HEATING FURNACES

Robert E. Buckholdt, Salem, Ohio, assignor, by mesne assignments, to Salem Brosius, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application January 7, 1950, Serial No. 137,350
14 Claims. (Cl. 198—88)



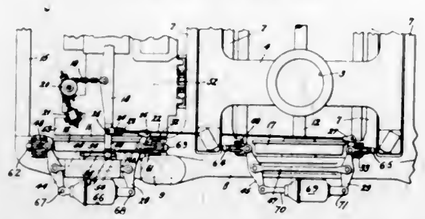
1. In apparatus for supporting and simultaneously advancing an elongated object along its longitudinal axis while rotating the object about said axis, the combination of a plurality of spaced conveyor units each having a pair of chain reaches disposed in side-by-side relation and extending in oppositely inclined directions to provide a V-shaped supporting trough, said units being spaced along the longitudinal axis of travel of said object and said chain reaches being mounted for travel in parallel planes skewed with respect to said axis, and means associated with each unit to drive one of the chain reaches of the unit in downward direction while driving the other chain reach of the unit in upward direction to impart rotation and simultaneous longitudinal movement to said object.

2,583,765

BRAKE RIGGING DEVICE

Basil S. Cain, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application September 5, 1946, Serial No. 694,977
7 Claims. (Cl. 188—46)



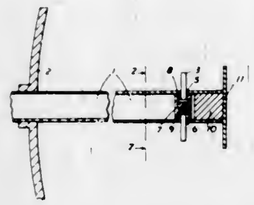
1. In a brake rigging for wheels of a car truck, an equalizing brake beam, means for operatively moving said brake beam for application of a braking force to said brake rigging, a plurality of connected brake levers and rods carried by said truck, brake shoes carried by said brake levers adapted to cooperate with said wheels to provide a braking force thereto, means for resiliently biasing said brake beam to a released brake position, a brake beam guide including a guiding bar member with a longitudinally extending slot therein on each side of said truck and extending longitudinally of said truck in the direction of operative movement of said brake beam, and means including a retaining guide member on each end of said brake beam having a hooked end operatively connected to the adjacent one of said guiding bars and extending into the associated guide slot for restraining said brake beam against undue movement transversely of said truck and providing for predetermined longitudinal movement of said brake beam, said hooked end of each of said retaining guide members having such length as to provide for predetermined vertical movement of said brake beam and having the end thereof extending transversely of said guiding bar for preventing accidental disconnection of said connection with said guiding bar.

2,583,766

TRANSMITTING OR RECEIVING AERIAL FOR CENTIMETER WAVE LENGTHS

John Collard, Hammersmith, London, England, assignor to Electric & Musical Industries Limited, Hayes, England, a British company

Application March 1, 1950, Serial No. 147,098
In Great Britain March 8, 1949
7 Claims. (Cl. 250—33.65)



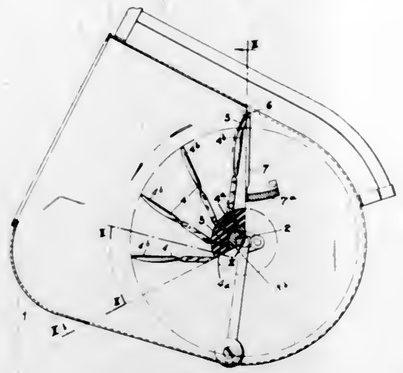
1. An aerial comprising a length of waveguide having a dipole aerial associated therewith which comprises a pair of radiating or receiving elements insulated from each other and from said waveguide and projecting through opposite walls of the latter.

2,583,767

MECHANICAL PARGETING APPARATUS

Michel Daignas, Nice, France

Application August 7, 1947, Serial No. 767,072
In France September 26, 1938
Section 1, Public Law 690, August 8, 1946
Patent expires September 26, 1958
13 Claims. (Cl. 91—44)



1. A pargeting machine comprising a casing into which material is fed, an adjustable transverse plate supported by said casing, a rotary throwing rotor mounted in the casing with its axis parallel to the plate and having a hub made of resiliently distortable material, rigid blades carried by said hub, anchoring means integral with said blades for attaching the blades to the hub the free ends of said blades extending from said hub to contact and scrape successively on said plate according to the resilient distortion of the corresponding part of said hub when passing thereunder for generating a catapulting effect without flexion of said blades, and means for adjusting the relative position of said plate with respect to said casing with a view to vary said catapulting effect.

2,583,768

ADJUSTABLE DISCHARGE APPARATUS FOR SLURRY AND MUDDY MATERIALS

Antoine France, deceased, late of Liege, Belgium, by Adolphe Detienne, executor, Liege, Belgium, assignor to Rheo-France Compagnie Internationale des Rheolaveurs a. France, societe anonyme, Liege, Belgium, a company of Belgium

Application June 26, 1946, Serial No. 679,413
In Belgium January 21, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires January 21, 1959
3 Claims. (Cl. 209—494)



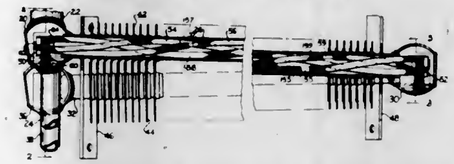
1. An adjustable discharging apparatus for slurry and muddy products comprising a discharge tube, an obturating element disposed in the axis and beneath the lower aperture of said tube to regulate the flow of the discharge, the upper part of said obturating element being dished and of a section broadly larger than the lower one of said tube in such a way as to form thereby a passage for said products, said obturating element being movable along said axis and the useful height of the side surface of its upper part being adjustable in such a way as to regulate said passage.

2,583,769

ABSORBER FOR REFRIGERATING APPARATUS

Richard S. Gaugler, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application November 26, 1946, Serial No. 712,387
12 Claims. (Cl. 261—100)



1. Refrigerating apparatus including a tube, a plurality of capillary structures having a core of solid wire covered with a capillary material extending substantially in the form of an elongated coil within said tube, spacing means located at a plurality of points on said structures for holding said structures spaced from each other and in contact with the wall of the tubing, an axially located aperture in one of said spacing means, a bolt extending through said aperture, a capillary member held by said bolt in contact with each of said structures, said capillary member having a portion extending from said bolt, and means forming a pool of liquid receiving said extending portion of said capillary member.

2,583,770

PROCESS OF PRODUCING THIOSEMICARBAZONES

Erich Goth, Wuppertal-Elberfeld, and Walter Salzer, Wuppertal-Barmen, Germany, assignors to Schenley Laboratories, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 3, 1950, Serial No. 147,561. In Switzerland March 4, 1949
4 Claims. (Cl. 260—552)

1. The process of producing thiosemicarbazones of cycloaliphatic ketones, which comprises heating under reflux an aqueous organic solvent medium containing, in dissolved state, a high concentration of hydrazine-thiocyanate with substantially equimolecular proportions of a cycloaliphatic ketone and, after cooling, recovering the ketone thiosemicarbazone from the solvent medium.

2,583,771

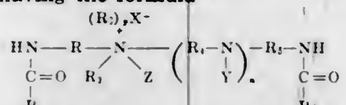
PREVENTION OF FOAMING IN STEAM GENERATION

Lewis O. Gunderson, Park Ridge, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application May 8, 1948, Serial No. 25,983
6 Claims. (Cl. 252—321)

1. The method of generating steam from a water having a tendency to foam on boiling

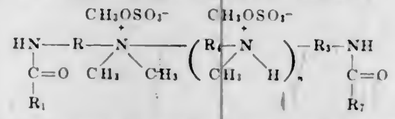
which comprises dispersing into said water in an amount sufficient substantially to inhibit the tendency of said water to foam on boiling a compound having the formula



where R_1 and R_7 are aliphatic hydrocarbon groups containing at least 11 carbon atoms, R, R_4, and R_5 are short chain alkylene groups containing from two to three carbon atoms, R_2 is an alkyl chain of one to two carbon atoms, R_3 is a methyl group, X is an ion selected from the group consisting of the sulfate, sulfonate, and halide ions, Z is selected from the group consisting of hydrogen and methyl groups, Y is selected from the group consisting of hydrogen and carboxylic acyl radicals, but where Z is methyl, Y is acyl, y is selected from the group consisting of 0 and 1, and n is selected from the group consisting of 0, 1 and 2, and boiling the resulting dispersion.

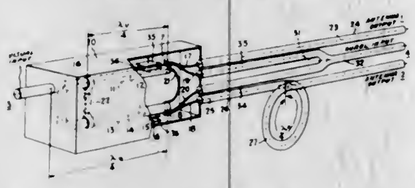
2,583,772
ACID AND QUATERNARY SALTS OF POLYAMIDES
Lewis O. Gunderson, Park Ridge, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 12, 1949, Serial No. 76,191
14 Claims. (Cl. 260—401)

13. A compound having the formula:



wherein R_1 and R_7 are hydrocarbon groups containing at least 15 carbon atoms, R, R_4 and R_6 are alkylene groups containing 2 to 3 carbon atoms, and n is 0 or 1.

2,583,773
DIPLEX ANTENNA FEED SYSTEM
Michael E. Hiehle, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application July 30, 1948, Serial No. 41,628
7 Claims. (Cl. 178—44)

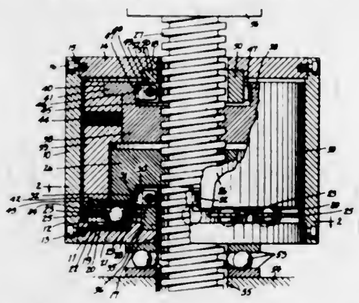


7. A diplexer structure for supplying electrical wave energy to a common pair of load circuits from two separate high-frequency transmitters, comprising a closed conductive container, a concentric transmission line having an inner conductor and an outer sheath energized from a first one of said transmitters, said line having an end portion penetrating a wall of said container approximately an odd multiple of a quarter-wavelength at the operating frequency of said first transmitter, said outer sheath being connected to said wall of said container at its point of entrance and having a free end within said container constituting a first feed point, a linear conductor positioned in said container substantially parallel to said sheath, said linear conductor being electrically connected to said container near said point of entrance and having a free end forming a second feed point adjacent said first feed point, means electrically connecting the inner end of said inner conductor the free end of said linear conductor to maintain them at the same potential at said frequency, said outer sheath and linear conductor together forming an open wire transmission line section, means comprising a shorting member bridging said section for independently determining the effective length of said section at the operating frequency of said first transmitter, said feed points being energized in opposite phase from said first transmitter, means for energizing said feed points in the same phase from said second transmitter, and a pair of transmission lines energized from said respective feed points for supplying energy from said points to said pair of load circuits.

2,583,774
VITAMIN B_6 DERIVATIVES
Dorothea Heyl Hoffman, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application April 30, 1948, Serial No. 24,412
4 Claims. (Cl. 260—294.9)

1. 2-methyl-3-hydroxy-4-cyano - 5 - acetoxy - methylpyridine.

2,583,775
FORCE AMPLIFYING NUT
George Gaynor Hyde, Darien, Conn., assignor to Sarsal Devices, Inc., New York, N. Y., a corporation of New York
Application July 2, 1948, Serial No. 36,614
6 Claims. (Cl. 74—424.8)



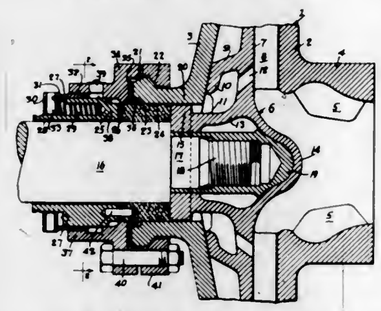
1. A force applying device of the character described, having in combination a movably mounted force applying member, a rotary cam mechanism having angularly displaced oppositely inclined cam portions providing peak portions therein, rotatably mounted threaded members interposed between said force-applying member and said cam mechanism, roller members acting between said cam mechanism and said threaded members, said rollers being positioned to shift the force applied between said cam mechanism and said force applying member upon rotation of the cam mechanism, successively from one threaded member to the other as the oppositely inclined portions of the cam mechanism shift angularly in position with respect to said roller and threaded members, motion transmitting devices acting between said cam mechanism and threaded members upon rotation of the cam mechanism, to impart angular movement to one threaded member while the other threaded member is in the force-applying relation above referred to, said force-applying device being constructed and arranged to limit the last mentioned angular movement to an amount which will shift the force applied between the cam mechanism and the force applying member from one threaded member to the other as aforesaid, at a point somewhat angularly displaced from the peak portions of said cam mechanism.

2,583,776
BRAKE LEVER
Clare S. Jacobs, Grosse Pointe Park, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application October 20, 1950, Serial No. 191,301
2 Claims. (Cl. 74—531)



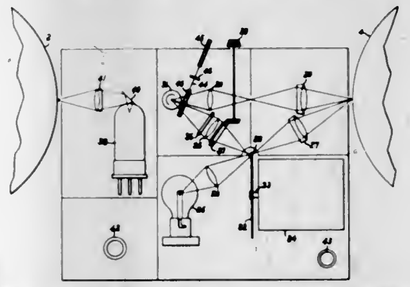
1. An automotive vehicle brake operator comprising a rod mounted in the vehicle and adapted for longitudinal movement to apply the brakes, said rod having circumferentially spaced flat portions extending along its length, lock means for locking said rod against movement in one direction comprising a normally inclined washer having a substantially elliptical aperture loosely engaging said rod, the aperture in said washer having edges adapted to frictionally engage the rod when the latter is in one rotative position and to permit sliding of the rod when the latter is in another rotative position.

2,583,777
SHAFT SEAL
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application August 23, 1944, Serial No. 550,748
2 Claims. (Cl. 286—11.14)



1. In a seal for the shaft of a rotary machine, a sealing collar on said shaft, a hollow projection extending from the machine longitudinally of the shaft and spaced therefrom and forming an annular compartment adjacent to said shaft, a sealing ring surrounding said shaft and contained within said compartment, the inner end of the ring bearing against said sealing collar, a thin annular gasket disposed at the outer end of the sealing ring and bearing edgewise against said shaft, a sleeve loosely surrounding said shaft and having its inner end engaging said annular gasket on the outer end of said sealing ring, a second sleeve surrounding the first mentioned sleeve and in contact therewith and movable axially relative thereto, a spring inserted between said first and second sleeves, a third sleeve surrounding said second sleeve and detachably secured thereto, a gasket disposed at the outer end of said hollow projection and bearing edgewise against the outer surface of said ring, said third sleeve having its inner end engaging said last mentioned gasket on the outer end of said hollow projection, and means for moving said third mentioned sleeve toward said projection in order to apply pressure to the last mentioned gasket and to cause the second mentioned sleeve to apply pressure to the first mentioned gasket.

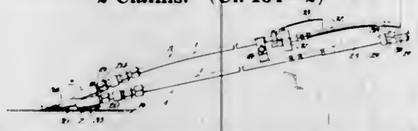
2,583,778
REPRODUCING APPARATUS
Woodrow R. Jacobson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 4, 1950, Serial No. 159,958
3 Claims. (Cl. 178—5.2)



1. In combination, a cylindrical scanning drum, a cylindrical recording drum, said drums having equal diameters and parallel longitudinal axes, a jackscrew driven scanning unit being located between said drums and having a lateral movement parallel to the longitudinal axes of said drums, an electric motor for rotating said jackscrew and said drums, said drums being rotated at equal velocities, said scanning unit comprising a source of light rays, means for focusing some of said rays into a narrow beam which is incident to said scanning drum, an electron discharge device being provided with an anode and a light sensitive cathode, the output voltage of said device being dependent upon the intensity of light striking said cathode, means for focusing rays of said beam reflected from said scanning drum on said cathode, a color wheel being rotatable about its longitudinal axis and having a multiplicity of different narrow bandwidth color filters mounted about its periphery, said wheel being located such that one of said filters intercepts the beam of light reflected from said recording drum, a rotatable circular disk having a serrated circumference and being located such that the serrations on said circumference intercept the beam of light from said source, said serrations being shaped such that the amplitude of light transmitted through said disk is a sine^2 wave, means for focusing light rays from said source reflected from said serrations on said cathode, a variable light attenuator located between said serrations and said cathode, a second source of light rays, means for focusing said rays into a narrow beam which is incident to said recording drum, and electronic means for controlling the intensity of

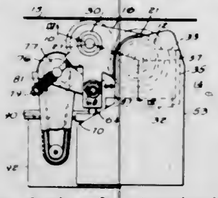
light rays from said second source according to variations in the voltage output from said discharge device.

2,583,779
METHOD OF REMOVING PAINT
Harold O. Jones, Pleasantville, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application February 7, 1946, Serial No. 646,128
2 Claims. (Cl. 134—2)



2. A method of removing burnable paint from a metal surface comprising applying high temperature heating flames to a localized portion of said surface to raise the temperature of the paint on said portion to its ignition temperature, advancing said flames over said surface to progressively heat adjacent portions of said paint, and progressively applying jets of gaseous oxygen to said paint while said paint is at its ignition temperature to substantially completely reduce said paint to a loosely adhering, noncombustible ash by thermochemical action.

2,583,780
TENSION DEVICE
Gerhard P. Lessmann, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 4, 1947, Serial No. 739,517
10 Claims. (Cl. 271—2.1)



1. A tension device for tensioning a strip of material as it extends between adjacent work devices, said tension device comprising, a roller disposed to bear against the strip to deflect it from a line between the work devices, a hollow shaft having spaced apart arms supporting the roller, and biasing means including a support and a longitudinal torsion shaft, said torsion shaft being positioned coaxially with respect to said hollow shaft and extending between and fixed against rotation relative to the support and the hollow shaft at spaced apart points.

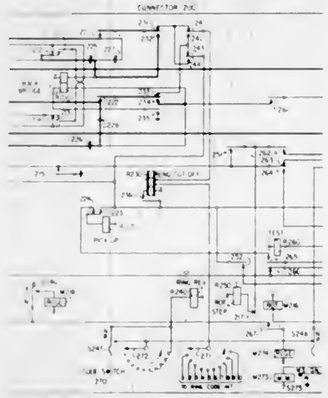
2,583,781
STATION WAGON OR THE LIKE
Alexander R. Lindsay, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 18, 1946, Serial No. 648,330
3 Claims. (Cl. 296—28)

1. In an automobile body of the station wagon type, an outer upright side wall metal body member having a substantial area thereof intermediate the side and bottom marginal edges thereof depressed inwardly to provide a recessed area provided with a solid bottom panel offset inwardly of the outer portions of said panel which are disposed laterally of said recessed area, strips of wood or the like mounted outwardly of said bottom along the edges of said recessed area and having a thickness greater than the depth



of said recessed area and also having sections of less thickness extending laterally across said edges of the recessed area and of a width to substantially cover said outer portions of the panel.

2,583,782
PARTY LINE CONNECTOR CIRCUIT FOR CODE RINGING
Clarence E. Lomax, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application January 21, 1948, Serial No. 3,424
9 Claims. (Cl. 179—17)

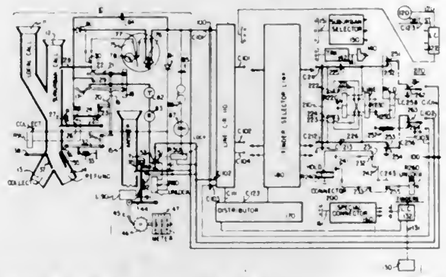


1. In a telephone system including a party subscriber line provided with first and second line conductors; an automatic switch provided with a contact bank including first and second contact sets commonly terminating said party subscriber line, means for selectively operating said switch to select said party subscriber line via said first contact set or via said second contact set, a ring reverse relay normally selecting said first line conductor, said ring reverse relay being responsive to operation of said switch to select said party subscriber line via said second contact set to select said second line conductor, a ringing conductor, and means for connecting said ringing conductor to the selected one of said line conductors.

2,583,783
PAY STATION CIRCUITS FOR AUTOMATIC TELEPHONE SYSTEMS
Clarence E. Lomax, Chicago, Ill., and John M. Wild, Ithaca, N. Y., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 3, 1948, Serial No. 5,954
18 Claims. (Cl. 179—6.3)

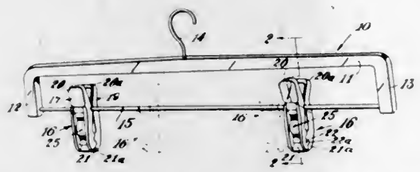
18. In a telephone system including a line, a station associated with said line, and automatic

switching apparatus; said switching apparatus comprising a switching mechanism having access to said line, means for operating said switching mechanism to select said line, means controlled by operation of said switching mechanism to select said line for routing a call thereover and for projecting signal current thereover to said station, means responsive to answering of the call at said station for arresting the projection of signal current over said line, and means responsive to abandoning of the call prior to answering thereof at said station for arresting the projection of signal current over said line and for projecting a splash of unblock signal over said line



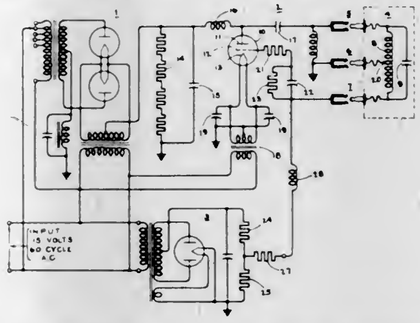
and then for releasing said switching mechanism; said station comprising a signal and a block relay both operated by the projection of signal current over said line, a device normally able to answer a call on said line, blocking means rendered effective in response to operation of said block relay for disabling said device, manually controlled means for rendering ineffective said blocking means, whereby said device is again enabled, an unblock relay operated by the projection of unblock current over said line, and means responsive to operation of said unblock relay for rendering ineffective said blocking means, whereby said device is again enabled.

2,583,784
CLIP FOR CLOTHES RACKS
Mario Maccaferri, Rye, N. Y.
Application February 8, 1949, Serial No. 75,120
6 Claims. (Cl. 223—91)



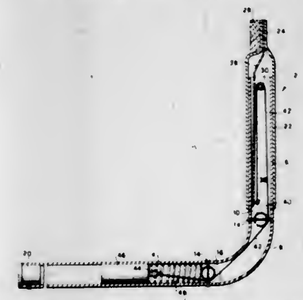
1. In combination, a clip including a pair of jaw members, a pivotal connection for said jaw members, clamping jaws on said jaw members at one side of said pivotal connection, said jaw members providing at the opposite side of said pivotal connection a pair of spaced handles, means adapted to continuously bias said jaw members about said pivotal connection in directions to bring together and close said clamping jaws and separate said handles, complementary bearing surfaces on said jaw members at the side of said pivotal connection opposite said clamping jaws, said complementary bearing surfaces forming therebetween a supporting rod receiving space, a supporting rod mounted in and being extended through said space between and in slidable engagement with said bearing surfaces, and said bearing surfaces adapted to be moved inwardly toward each other into clamping engagement with said rod by inward movements of said handles to separate said clamping jaws.

2,583,785
BIASING PROTECTIVE SYSTEM FOR HIGH-POWER OSCILLATORS
Paul B. Magee, Buffalo, N. Y., assignor to General Electric Company, a corporation of New York
Application November 26, 1949, Serial No. 129,641
3 Claims. (Cl. 250—36)



1. An oscillator protective system comprising an electron discharge device having anode and grid circuits, a source of operating potential for said anode circuit, a resonant tank circuit having an inductive branch of low resistance, said branch regeneratively coupling said circuits for generation of oscillations, a grid self-bias network in said grid circuit for biasing said device for normal operation, and an auxiliary source of negative bias potential connected in said grid circuit, said auxiliary source having a relatively high impedance, as compared to the resistance of the portion of said inductive branch included in said grid circuit, and being normally loaded by said resistance, said bias potential being sufficient to prevent damage to said device from excessive anode current when said inductance is disconnected from said grid circuit while anode potential is applied.

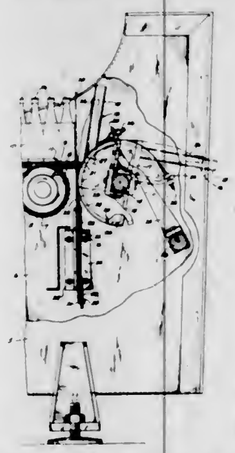
2,583,786
HURDLE
Sebastian J. Marzucco, Wynnewood, Pa.
Application June 8, 1949, Serial No. 97,784
5 Claims. (Cl. 272—59)



5. A hurdle comprising a pair of spaced hollow supports each having a substantially vertical upper portion and a substantially horizontal lower portion, a pair of members telescopically mounted on the upper portions of said supports, a hurdle bar secured to said members, means to adjust-

ably secure said members to the upper portions of said supports, a movable weight within the horizontal portion of each of said supports, resilient means biasing each weight away from each of said upper portions respectively, and means connecting said members and said weights for moving said weights away from said vertical portions as said hurdle bar is raised to maintain the resistance of said hurdle to overturning substantially constant irrespective of the position of said hurdle bar.

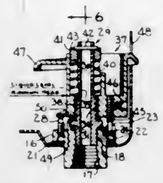
2,583,787
LOADING DEVICE FOR BOTTLE WASHERS OR THE LIKE
John B. McCabe and Henry A. Strelow, Milwaukee, and Robert W. Marty, Waukesha, Wis., assignors to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 22, 1949, Serial No. 100,616
9 Claims. (Cl. 198—27)



9. In a bottle loading device having bottle tilting elements mounted on an oscillatory horizontally extending shaft and having a main table conveyor for delivering bottles to said tilting elements; a transversely extending stop plate positioned between said conveyor and tilting elements, said stop plate being mounted for vertical movement from a lowered position wherein it permits movement of bottles onto said bottle tilting elements to a raised position wherein it prevents such movement; at least one hoisting member having a circular periphery fixed to said oscillatory shaft; and a flexible elongated member extending around a portion of the periphery of said hoisting member and connected at one end to said hoisting member and connected at the other end to said stop plate, the connection on at least one end of said flexible member including an adjustable take-up device.

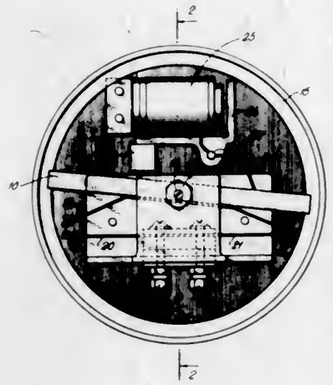
2,583,788
ADJUSTABLE FLUID METERING VALVE
Lourdes V. McCarty, Milwaukee, Wis., assignor to A P Controls Corporation, a corporation of Wisconsin
Application December 17, 1947, Serial No. 792,147
4 Claims. (Cl. 137—21)

1. A metering valve having a base adapted to be secured in an opening in the bottom of a sump or constant level fluid reservoir, a tube secured to said base having a vent therethrough with an opening above the level of liquid in the sump or reservoir and a discharge in said base, an outlet in the side of said tube above said base and substantially at the predetermined level of liquid in the sump, a valve seat on said base below said outlet, a spiral tapered thread on said tube extending from said seat to said outlet, a casing slidably revolvably mounted on said tube and engageable with said thread to form an enclosed pathway for fluid, the top of said casing projecting above the predetermined level of liquid in said sump, said casing in the closed position



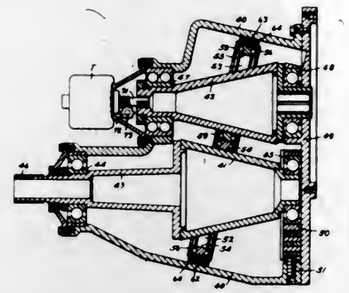
thereof cooperating with said seat to seal said thread from access by fluid in said reservoir, cam means for moving said casing to selected position above said seat to vary the length of said enclosed pathway, said cam means including a minimum and maximum open position adjustments, and a dial on said casing to control the rotation thereof, said dial being sloped in substantial conformity with the slope of said cam whereby the periphery of said dial may be maneuvered from a fixed place.

2,583,789
ELECTRIC FLASHER SWITCH
Jacques G. Mejean, Greenwich, Conn., assignor to The Aerotec Corporation, Greenwich, Conn., a corporation of Connecticut
Original application March 27, 1946, Serial No. 657,579, now Patent No. 2,476,106, dated July 12, 1949. Divided and this application April 30, 1949, Serial No. 90,699
4 Claims. (Cl. 200—90)



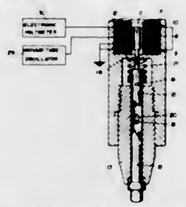
2. An intermittent switch comprising a pair of spaced contacts, a balanced rocking arm having contacts to contact said spaced contacts alternatively as said arm rocks in opposite directions, an electromagnet having an armature and a hammer actuated thereby to kick said arm in one direction to connect one pair of contacts and to separate the other pair of contacts and spring means pressing on said arm to rock it in the opposite direction.

2,583,790
FRICTIONAL GEAR MECHANISM
Stanley J. Mikina, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 10, 1948, Serial No. 59,243
5 Claims. (Cl. 74—190.5)



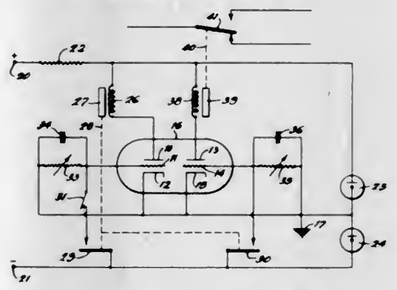
1. A frictional gear mechanism, comprising a driving rotor and a driven rotor having a common axial plane and being both of conical shape, said rotors having parallel respective generatrices in said plane and having the wide end of either rotor adjacent to the narrow end of the other rotor, two annular friction rollers surrounding said respective rotors and having a common plane of revolution and parallel respective axes, said rollers engaging each other between said rotors and engaging said respective rotors at points on said respective generatrices so that the speed ratio of said rotors depends upon the position of said points along said respective generatrices, a support displaceable along said generatrices, a cradle journalling said rollers and being pivoted on said support, spring means disposed between said support and said cradle for biasing said cradle to an angular position relative to said support in which said roller axes are parallel to said generatrices, and control means attached to said cradle and to said support for turning said cradle away from said position.

2,583,791
ELECTRONIC COMPARATOR
Joseph J. Neff, South Euclid, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application September 27, 1945, Serial No. 618,847
2 Claims. (Cl. 33—147)



1. In an electrical measuring instrument for measuring the outside boundaries of specimens, a specimen supporting table and a standard having a bracket slidably mounted thereon, manually adjustable means for adjusting said bracket toward and away from said specimen supporting table, an electrical displacement pickup mechanism mounted in a housing mounted in said bracket and comprising a driving coil and a pickup coil mounted on one side and another pickup coil mounted on the other side of said driving coil, the windings of said three coils being coaxially arranged, an armature mounted centrally within said coils for longitudinal movement therein, a stylus carried said armature in longitudinal alignment therewith, said armature and stylus being mounted for longitudinal straight reciprocal movement and spring means for normally forcing said stylus into a position wherein the armature is in an electrical central position within the coils, a bushing and means for longitudinally adjustably supporting the same in said housing for adjustably supporting said stylus and armature relatively with respect to said coils, means carried by said stylus, and cooperating with said bushing, for preventing rotation of said stylus upon its own longitudinal axis, an electronic gauge having its housing carried by that of said pickup mechanism and including means responsive to any movement of said stylus in its engagement with said specimen resulting in a displacement of said armature from said electrical center in said coils to give a corresponding visual reading of measurement of said specimen.

2,583,792
TIMER CIRCUIT
Lloyd E. Nelson, Evanston, Ill.
Application May 22, 1948, Serial No. 28,701
8 Claims. (Cl. 250—27)

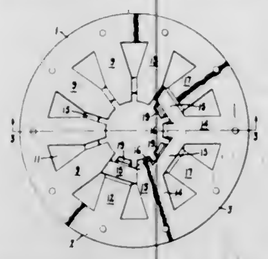


1. A timer circuit comprising a first electronic valve having a plate circuit and a grid circuit, a second electronic valve having a plate circuit and a grid circuit, a relay included in the plate circuit of the first electronic valve and including a pair of switches operated thereby, a resistance capacity network and one of the switches of the relay included in the grid circuit of the first electronic valve, a resistance capacity network and the other switch of the relay included in the grid circuit of the second electronic valve and a load device independent of the plate circuit of the first electronic valve and included in the plate circuit of the second electronic valve and operated thereby.

2,583,793
MAGNETRON ANODE
Richard B. Nelson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 26, 1950, Serial No. 175,979
1 Claim. (Cl. 315—39)

A laminated magnetron anode structure comprising a first lamination having a series of radially extending anode sections at one end forming a portion of a generally cylindrical chamber and at the other end terminated in a ring to form an opening in said lamination between said anode sections and communicating with said chamber; a second lamination similar to said first lamination and having alternate anode sec-

tions truncated; a third lamination similar to said second except that the long anode sections are connected together by a short-circuiting strap, said long anode section having a protuberance on the end thereof perpendicular to the plane of said lamination, said short-circuiting strap being recessed from the extreme end of the long anode section, said truncated anode sections making no direct conductive connection with a long anode section at the end adjacent the chamber, the length of said protuberances being about the thickness of three laminations; a fourth lamination having all anode sections truncated; a fifth anode lamination similar to



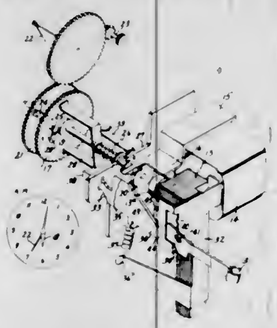
said third lamination except with said protuberances facing in the opposite direction and with the alternate set of anode sections truncated; a sixth anode lamination identical to said second lamination except with the alternate set of anode sections truncated; said anode laminations held in registry so that a magnetron anode structure is formed comprising a group of anodes forming a generally cylindrical chamber adapted to accommodate a rotating space-charge, with resonant circuits formed between adjacent anode segments within said anode structure communicating with said chambers and short-circuiting straps conductively connecting alternate anodes within the body of said anode structure.

2,583,794

TWENTY-FOUR-HOUR ALARM CLOCK

Herman D. Parks, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 14, 1949, Serial No. 99,077
10 Claims. (Cl. 58—21.15)



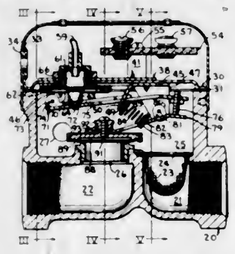
1. A 24-hour alarm clock mechanism comprising a cam having a pair of cooperating rotary alarm initiating cam parts, one of which is driven one revolution in 12 hours and the other of which is normally stationary but is rotatively adjustable for the purpose of setting the alarm time during a 12-hour period, an alarm of the electric vibrator type including a vibratory armature and normally energized electromagnetic means for vibrating said armature, a first alarm shutoff device which is moved into the path of vibration of said armature to prevent the sounding of said alarm and out of the path of vibration of said armature to permit the sounding of the alarm in response to the operation of said cam mechanism once in each 12-hour period, a second shutoff device which is manually movable into and out of the path of vibration of said armature to prevent or permit the sounding of said alarm, and means operated by said cam mechanism for automatically moving said second shutoff device from alarm preventing to alarm permitting position once in 24 hours between selected 12-hour alarm periods.

2,583,795

THERMOELECTRIC GAS VALVE

Vernon R. Pawelsky, Lourdes V. McCarty, and Cedric E. Zarwell, Milwaukee, Wis., assignors to A P Controls Corporation, a corporation of Wisconsin

Application February 28, 1946, Serial No. 651,010
8 Claims. (Cl. 137—139)



1. In a device controlling the flow of a fluid, a casing having inlet and outlet passages, a valve controlling communication between the passages, a plate mounted on the casing and coacting therewith to define a chamber therein, a bracket mounted on the plate, a plurality of interacting levers severally mounted on the bracket for supporting and actuating the valve, a spring mounted between one of said levers and an abutment provided therefor, with the force of the spring applied to the lever along a line at all times inclined with respect thereto and so arranged that said line and lever approach parallelism as the valve moves from its seat whereby the force of the spring acting on said lever increases as the valve moves towards its seat, and motor means acting in opposition to and cooperating with the spring to cause snap acting seating or unseating movement of the valve.

2,583,796

SHUTTLE

Adelson Roelandts, Mont-St. Amand-Lez-Gand, Belgium

Application January 22, 1949, Serial No. 72,237
In Belgium September 11, 1948
9 Claims. (Cl. 139—196)

1. A shuttle for weaving looms comprising a plurality of assembled elements including two side members, two tip members, and a plurality of spacers, each tip member comprising a tip and a longitudinal body portion extending along the axis of the shuttle, each side member having two plane surfaces parallel to the sides of the tip member body portions, said spacers being located between the plane surfaces of the side members and the sides of the body portions, the side members, spacers and body portions being apertured and at least one securing member traversing the shuttle from side to side at each end thereof to retain the side members, spacers and tip members in assembled position, two members, interposed between the spacers and the plane surfaces of said side members at one end of the shuttle



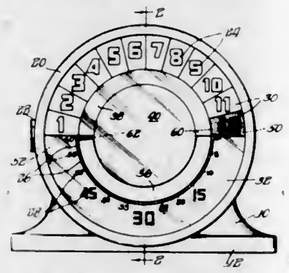
and having resilient portions extending therefrom toward the interior of the shuttle thereby to provide a resilient cop-holding clip and means being provided on at least one of the spacers at the other end of the shuttle to enable passage therethrough of the filling thread issuing from the cop.

2,583,797

DIAL STRUCTURE

Eugene F. Rosfelder, Chicago, Ill.

Application August 9, 1945, Serial No. 609,824
4 Claims. (Cl. 58—126)



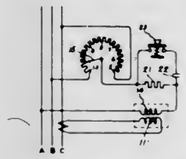
1. A clock dial structure comprising a fixed dial member having a plurality of blocks arranged over a portion thereof in substantially arcuate form and each block having at least a transparent hour indicium thereon, said fixed dial member including an annular section with minute indicia thereon concentric with the hour indicia in said blocks and said annular section being transparent throughout the extent of said minute indicia thereon, a disc mounted for rotation immediately behind said fixed dial member and having isolated hour indicators spaced thereon in accordance with the extent of the blocks on said fixed dial member and juxtaposed with respect thereto whereby only one of said indicators at a time selectively cooperates with an hour indicia, each said hour indicator being of sharply contrasting color with respect to the remainder of the disc and the said blocks whereby to set off each hour indicium as it is selectively positioned behind said indicia being indicated, and a disc mounted for rotation immediately behind said fixed dial member and in line with the annular section thereof, said disc having isolated minute indicators spaced thereon in accordance with the extent of the transparent portion of said annular section and juxtaposed with respect thereto whereby one of said minute indicators at a time is visible through the transparent portion of said annular section to selectively cooperate with the minute indicia therealong.

2,583,798

POWER FACTOR AND PHASE ROTATION HOOK ON METER

Ralph M. Rowell, Lynn, and Arnold L. Nylander, Swampscott, Mass., assignors to General Electric Company, a corporation of New York

Application November 14, 1949, Serial No. 127,108
5 Claims. (Cl. 172—245)



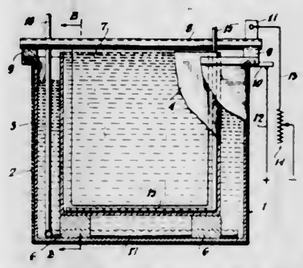
1. A combined power-factor meter and phase-rotation indicator for three-phase circuits, comprising a single-phase wattmeter having a stationary magnetic circuit containing an armature air gap, provisions for magnetizing such circuit in accordance with the current in one phase of a three-phase circuit, a moving coil in the armature air gap, a resistance with terminals for connecting the same across two phases of such three-phase circuits, a tap adjustable along said resistance and connected to one terminal of said moving coil, means for connecting the other terminal of said moving coil to the third phase of such three-phase circuit, a scale graduated in terms of power factor indicative of the position of said movable tap along said resistance and a circuit including an impedance of known phase-shifting characteristics, and a switch for cutting said phase shifting circuit into and out of an energizing circuit of said wattmeter when said circuit is energized as above described for power factor measurement purposes.

2,583,799

ELECTROLYTIC PROCESS OF PREPARING SELENIC ACID FROM SELENIOUS ACID

John H. Schloen and Luigi V. Franchetto, Montreal, Quebec, Canada, assignors to Canadian Copper Refiners Limited, Montreal, Quebec, Canada, a corporation of Canada

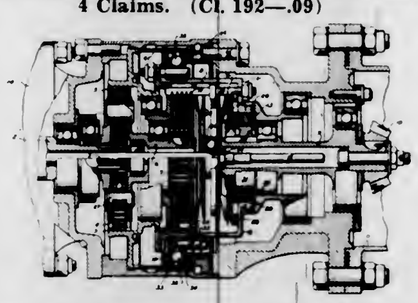
Application May 24, 1949, Serial No. 94,992
6 Claims. (Cl. 204—101)



1. The process of preparing selenic acid from selenious acid in an electrolytic cell having anode

and cathode chambers separated by a porous diaphragm of electrically non-conducting material, and having an anode of material selected from the group consisting of lead, metallic material consisting essentially of lead which behaves under the conditions present in a manner equivalent to lead, carbon, and platinum, and a cathode of material selected from the group consisting of lead, metallic material consisting essentially of lead which behaves under the conditions present in a manner equivalent to lead, carbon, platinum, tin, titanium, zinc and nickel, said process comprising the steps of introducing into the cathode chamber of said cell as a catholyte an aqueous solution of selenic acid having a concentration of H_2SeO_4 of about 5% to about 50% by weight, introducing into the anode chamber of the cell as an anolyte an aqueous solution of selenious and selenic acids having a concentration of selenious acid of not over about 25% by weight and a concentration of selenic acid of about 15% to about 25% by weight, passing an electric current through said cell of such value in respect to the surface areas of the cathode and anode as to give an anode current density of about 3 to about 12 amperes per square foot and a cathode current density of about 10 to about 40 amperes per square foot, during the passage of electric current as aforesaid supplying to said cathode chamber an aqueous solution of hydrogen peroxide, so as substantially to prevent the evolution of gaseous hydrogen selenide and to minimize the reduction of selenium at the cathode, and recovering selenic acid from the anolyte following the electrolysis as aforesaid.

2,583,800
ACTUATING DEVICE
Richard E. Sears, Cleveland Heights, Ohio, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application December 21, 1948, Serial No. 66,563
4 Claims. (Cl. 192—.09)



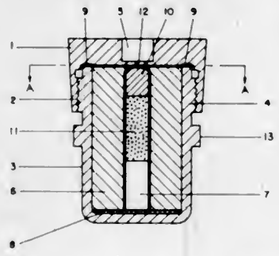
1. In a load raising and lowering actuator, a reversible electric motor and shaft, an actuator output shaft adapted to drive the load and driving means between said motor shaft and output shaft including a reduction gear train driven by said motor shaft, a multiple friction plate torque release in engagement with said gear train carrier for said torque release, an over-riding clutch in driving engagement with said torque release carrier and output shaft, a solenoid, a solenoid rod operated by said solenoid to be retracted when said solenoid is energized to compress the plates of said torque release for rendering said torque release an effective driving means between said gear train and said carrier, for raising said load while said motor and shaft are rotating in a given direction and while said solenoid remains energized, said load being adapted to be released for lowering by gravity drop while said motor and shaft are operating in a direction opposite to that for load raising, said motor, upon speed of load drop exceeding that of said motor and shaft while said torque release remains effective as a drive, being adapted to reduce in current value to release said solenoid and render said torque release ineffective as a drive, braking means carried by said torque release carrier centrifugally responsive to the rotation of said carrier at a speed in excess of that of said motor to brake said load drop, said solenoid, upon the braking action of said carrier, being adapted to be reenergized to compress the plates of said torque release to reenergize said solenoid and reestablish said torque release in driving engagement between said gear train and output shaft.

2,583,801
FREQUENCY MULTIPLIER CIRCUIT
Henry P. Thomas, Fayetteville, N. Y., assignor to General Electric Company, a corporation of New York
Application April 16, 1948, Serial No. 21,439
5 Claims. (Cl. 250—36)



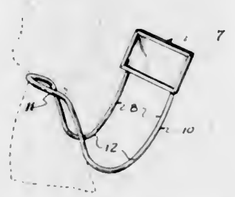
1. In a frequency multiplier circuit, an electron discharge device having input, output and common electrodes, an input circuit connected between said input and common electrodes and energized from a source of oscillations of frequency nf mixed with an undesired f, n being an integer, said input circuit comprising an anti-resonant circuit in series with a biasing impedance, an output load circuit connected between said output and common electrodes, means for impressing positive operating potential on said output electrode, said device being adjusted so that said input electrode draws current through said input circuit during part of each cycle of said oscillations, said anti-resonant circuit being tuned to said undesired frequency f, thereby to cause a voltage of frequency f to be developed across said anti-resonant circuit whereby oscillations of frequency nf and substantially free of frequency f appear in said output circuit.

2,583,802
EXPLOSIVE BOOSTER
Harold Reginald Wright, West Kilbride, and Roger William Martyn, Fairlie, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application December 16, 1948, Serial No. 65,558
In Great Britain March 1, 1948
5 Claims. (Cl. 102—27)



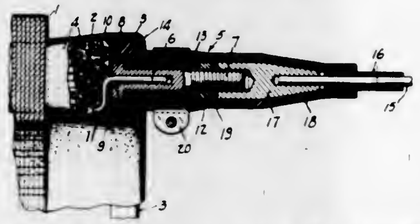
1. A booster comprising two threaded rigid cups of pressure-resisting wall construction screwed together to form a liquid tight capsule, a lining of resilient material in the bottom of one of said cups, a pellet charge of a solid high velocity detonating explosive channelled from end to end and located within said capsule, and a detonator capable when exploded of initiating the detonation of said pellet and comprising a thin walled tube loaded under pressure with two superposed detonating explosive charges, said detonator occupying the channel with its open end pressed into said lining in the bottom of one of said cups and its closed end supported against the base of the other cup which is locally weakened so that although rigid under the prevailing hydrostatic pressure it will be easily ruptured from without by the detonation of an explosive charge in its proximity.

2,583,803
BODY SUPPORTED MIRROR HOLDER DEVICE
Myrtle A. Amer, Long Beach, Calif.
Application March 10, 1950, Serial No. 148,959
4 Claims. (Cl. 88—101)



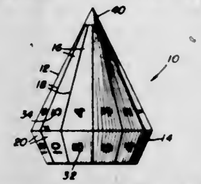
1. In a device mountable upon the human body to support a mirror in a close-up forward relation to the face of the user, a single piece of cord having a form-retaining stiffening means therearound, said cord having a midlength portion arcuated comfortably to engage the back of the neck of a person wearing the device, and a side run continuous with each end of said arcuated midlength portion, the side runs thus provided resting upon the body of the wearer when the device is in use and having forwardly extending portions by and between which the mirror is supported, and, considering the device in its mounted position, each end portion of said cord having an upwardly directed part connected to the mirror, substantially abutting the back thereof.

2,583,804
MOTOR WINDING
Orrin E. Andrus, Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application January 21, 1948, Serial No. 3,387
2 Claims. (Cl. 171—252)



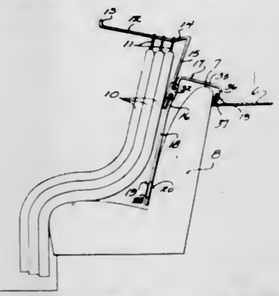
1. In an electric motor, or the like, adapted to have its stator submerged in an operating fluid, a winding for the stator, an anchor member disposed at an end of the winding and secured thereto, a binding post secured to said anchor member and having a tubular insulation element extending from the anchor member over the body of the binding post for a substantial distance, and a continuous protective coating secured upon the winding and said insulation element, the outer end of said post being exposed for connection to a lead wire and said insulating element providing a body for sealing with an insulating member on the lead wire.

2,583,805
PYRAMIDAL GAME PIECE
Percy Thomas Astle, Wichita, Kans.
Application August 1, 1949, Serial No. 107,856
3 Claims. (Cl. 273—147)
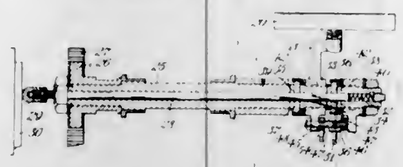


1. A game piece comprising a body member having a pyramidal portion formed with triangular shaped flat sides, said sides intersecting to provide a plurality of converging edges, and a truncated pyramidal portion on the base of said pyramidal portion, said truncated pyramidal portion being formed with quadrilateral sides and having a cavity formed therein, a plug in the inner portion of said cavity and having a flat outer wall, indicia means inscribed on said outer wall, and a lens positioned over said outer wall and in the outer portion of said cavity.

2,583,806
GARMENT CARRYING RACK FOR AUTOMOBILES
Joseph H. Batzle, Wauwatosa, Wis.
Application November 8, 1950, Serial No. 194,671
7 Claims. (Cl. 224—29)



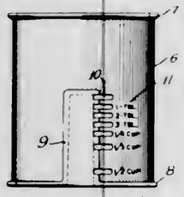
1. A device of the character described for engagement over the back of a vehicle seat to provide supports for the transportation of garments and the like, said device comprising a support having a hook portion and a portion disposed to extend downwardly at the front of a vehicle seat and provided below the hook portion with a transversely extending pressure element of substantial extent to which said support is pivoted and a bracket arm having a clamp adjustably connecting it with said support between the pressure element and the hook portion thereof, said bracket arm extending outwardly and upwardly in a direction forwardly of the seat back.

2,583,807
LABELING MACHINE
Norman Beck, Southall, England, assignor to The Crown Cork Company Limited, Southall, England, a British company
Application September 8, 1950, Serial No. 183,885
In Great Britain September 5, 1949
15 Claims. (Cl. 216—55)



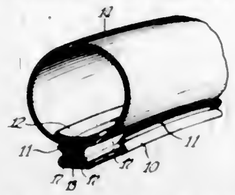
1. A labelling machine comprising in combination a pair of suction pad arms, a spindle, means for pivotally mounting said arms on the spindle to rotate therewith, and with respect thereto, spring means for urging said arms about the spindle towards each other, means for transporting the spindle and arms from a stack of labels through a gumming device to a bottle or the like at a labelling station, and back again, and for turning the spindle and arms through 180° during the movement from the label stack to the labelling station, and for effecting corresponding reverse rotation during the return movement, and for forcing the arms to spread apart, in opposition to the said spring-urge, in wiping the label on to the bottle or the like at the labelling station, and clutch members whereby the pivotal movement of the arms with respect to the spindle under the spring-urge is so controlled that the arms are maintained in their said spread-apart position until after they have been retracted out of contact with the label on the bottle or the like.

2,583,808
MEASURING CUP
Rudolph Bernhardt, Chicago, Ill.
Application January 12, 1949, Serial No. 70,556
3 Claims. (Cl. 73—429)



1. A measure consisting of a hollow cylindrical member having channel-shaped guideways opening into the hollow cylindrical member and extending upwardly from the bottom on opposite sides thereof and terminating about half-way up the hollow cylindrical member and said hollow cylindrical member having a plurality of vertically spaced slots adjacent to the guideways and opening into the sides of the guideways, an adjustable bottom consisting of a disc adapted to be slidably mounted in the hollow cylindrical member and having oppositely disposed downwardly extending guides and a hand hold, and lugs projecting outwardly from the guides adapted to enter into the lower ends of the guideways and to slidably engage with said guideways and to register with the oppositely disposed slots for holding the adjustable bottom in adjusted positions.

2,583,809
RIM TIRE LOCK
Aloysius Bloechl, La Porte, Ind.
Application December 16, 1946, Serial No. 716,558
3 Claims. (Cl. 152—379)



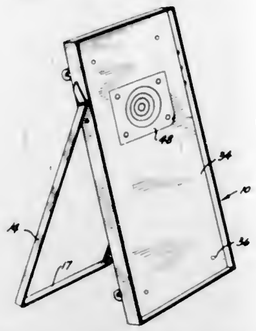
1. In a tire construction, a pneumatic continuous circular tubeless tire having integral substantially adjacent flat faced beads extending radially inwardly, a cloth fabric sealing and reinforcing flap having opposite lateral portions on the adjacent areas of said tire, a central integral flange on said flap and extending radially inwardly between the substantially adjacent tire beads, and stitching extending through said tire beads and through said central flange and securing said beads and said flange and sealing said tire.

2,583,810
ACCUMULATOR STATE CONTROL POSITIONING MECHANISM
Robert E. Boyden, Los Angeles, Calif., assignor to Clary Multiplier Corporation, Los Angeles, Calif., a corporation of California
Application March 13, 1945, Serial No. 582,553
8 Claims. (Cl. 235—61)



1. In a calculating machine, the combination with reversible accumulator elements, and drive racks therefor adapted to drive said elements in one or the other of opposite directions, of means including an accumulator positioning member settable into any one of three positions for selectively adjusting said racks and accumulator elements to permit driving of said accumulator elements in an additive direction, a subtractive direction or in a drive-preventing position, respectively, a selector device operable to actuate said accumulator positioning member to any one of said positions, means for actuating said selector device to position said accumulator positioning member to permit driving of said accumulators in said additive direction, means for actuating said selector device to position said accumulator positioning member to permit driving of said accumulators in said subtractive direction, means for actuating said selector device to position said accumulator positioning member in said accumulator drive-preventing position, power means for operating said selector device in a predetermined manner whereby to actuate said accumulator positioning member, mechanism for rendering said power means effective, a second power means for operating said selector device in a different predetermined manner whereby to actuate said accumulator positioning member, and means for selectively rendering said second power means effective.

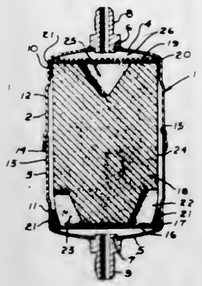
2,583,811
CONVERTIBLE TABLE
Mary A. Boyes, Los Angeles, and J. Edwin Coates, Santa Monica, Calif., assignors to Alta Engineering Company, Santa Monica, Calif., a limited partnership of California
Application December 8, 1947, Serial No. 790,396
2 Claims. (Cl. 311—3)



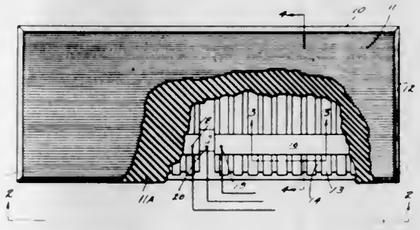
1. A child's play table comprising: a generally rectangular tray member, substantially longer than it is wide, presenting an upper surface; a relatively shallow flange upstanding from the edges of said tray member to rigidify same and serve as a guard rail for objects; support members attached to said tray member and extending downwardly therefrom; a generally U-shaped bail having arms substantially longer than one-half the length of said tray member; said arms being pivotally attached near their free ends to the flange on the long edges of said tray member at such points that the bail, in inoperative position, will lie in close juxtaposition to said flange thruout the length of the bail; cooperating detent means on said arms and said flange engaging each other in a first relation to hold said bail in inoperative position, said bail being swingable to an adjusted position behind said tray member to cooperate with a short edge thereof to support said upper surface in an angular attitude with respect to a supporting surface; said detent means engaging each other in a second relation to retain said bail in said adjusted position.

2,583,812
DEHYDRATION UNIT
Southwick W. Briggs, Washington, D. C., and Walter C. Bauer, Chevy Chase, and Walter J. Ewbank, Bethesda, Md.; said Ewbank and said Bauer assignors to The Briggs Filtration Company, Bethesda, Md., a corporation of Maryland
Application June 5, 1947, Serial No. 752,754
3 Claims. (Cl. 210—112)

1. A dehydrator for the removal of moisture from fluids comprising a casing having an inlet at one end and an outlet at the other end, said casing having tubular sidewalls with a tubular section of large internal diameter at the center separating a tubular section of reduced internal diameter at each end of the sidewalls, a monolithic block of moisture absorbent material within the casing having its sides fitting snugly against the sidewalls of the casing at the area of reduced internal diameter and spaced from the sidewalls at the center whereby the block is supported in the casing by the sidewalls, a binder between the block and casing at the area of reduced internal diameter near the outlet end of the casing, joining the sidewalls of the casing and block and sealing openings between the block and casing to prevent by-passing of the block by the fluid, and notches in the block at its inlet end extending therefrom to the side of the block adjacent the section of large internal diameter thereby providing conduits allowing direct flow from the inlet to the space between the sidewalls of the casing and the block.

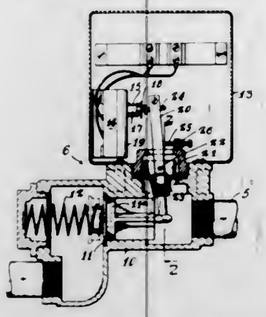


2,583,813
MAT CONTROL FOR DOOR OPENING MECHANISMS
James P. Burke, Poland, Ohio, assignor to Murray M. Fibus and Jerome Marcus, both of Youngstown, Ohio
Application September 28, 1950, Serial No. 187,232
2 Claims. (Cl. 200—86)



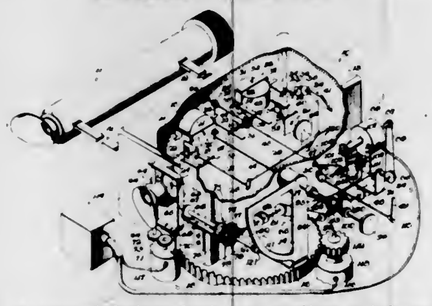
1. A mat control for door operating mechanism comprising an enclosing envelope including an upper and a lower layer each of flexible material, a plurality of elongated strips of resilient deformable insulating material positioned in parallel relation with each other between said upper and lower layers and yieldingly spacing said layers vertically with respect to one another, said strips of deformable insulating material each extending substantially the full distance between opposite marginal portions of said layers and being laterally spaced from each other throughout the entire length thereof, a plurality of upper electrically connected, thin metal contact strips secured to the lower face of the uppermost layer of the envelope parallel with and between said strips of insulating material, and a plurality of lower electrically connected thin metal contact strips secured to the upper surface of the lowermost layer of the envelope between said strips of insulating material, said upper and lower contact strips each extending substantially the full distance between opposite marginal portions of said layers, and the upper and lower contact strips normally lying in vertical spaced alignment and being engageable upon deformation of said deformable resilient insulating strips and one of the layers of the envelope.

2,583,814
FLOW CONTROLLED WATER HEATER
Adolf J. Burklin, Toledo, Ohio, assignor, by mesne assignments, to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application October 31, 1947, Serial No. 783,326
1 Claim. (Cl. 236—25)



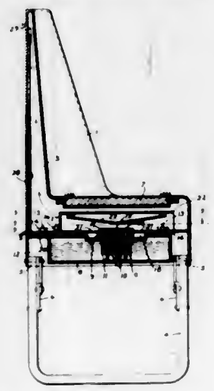
In apparatus of the class described, comprising a water heater, a casing having a water supply conduit leading to said heater, a valve in said conduit, a burner for said heater, an electrically operated control for said heater, an electric switch in circuit with said control, a spring biasing said valve to closed position, a second spring of lesser strength than the valve spring biasing said switch to closed position, a lever pivoted to said casing with one end engaging said switch and the other end engaging said valve, a lost motion connection between the valve and lever shifting the lever against the switch spring to compress the same and open said switch when the valve is closed under the greater strength of the valve spring, and said lever being released by said connection when the valve is open to shift free of the switch spring to effect closing of the switch by said switch spring and operation of the burner control, and said valve having a length corresponding in length to the switch closing movement of the valve engaging end of said lever to prevent opening of the water supply conduit by the valve until said switch is closed.

2,583,815
GUN-SIGHTING DEVICE
Robert M. Burley, Hasbrouck Heights, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 8, 1940, Serial No. 351,819
10 Claims. (Cl. 33—49)



1. A gun-sighting device including a telescope, a turntable rotatable in train upon rotation of said telescope, a housing, rigid connecting means between said telescope and said housing, means for pivotally mounting said housing so that the latter is rotatable in train with said turntable and rotatable in elevation with respect to said turntable, said housing containing a source of light therein, a reticule adjacent said source of light, a first mirror pivotally mounted, gyroscopic means for controlling the rotation of said first mirror, a second mirror pivotally mounted at right angles to said first mirror, second gyroscopic means for controlling the rotation of said second mirror, said source of light being positioned to cast light through said reticule upon said mirrors in sequence, one of said gyroscopic means being mounted to precess upon rotation of said housing in train and the other of said gyroscopic means being mounted to precess upon rotation of said housing in elevation, a tubular sighting element outside of said housing and having an eyepiece and cross-hairs defining a line of sight, and means for pivotally mounting said tubular sighting element within the field of light reflected from said mirrors in sequence for rotation in elevation and train with respect to said housing.

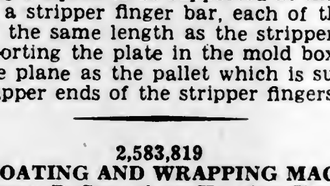
2,583,816
HEATED CHAIR
Glenn F. Butler, Detroit, Mich.
Application January 9, 1947, Serial No. 721,137
3 Claims. (Cl. 155—1)



1. A portable chair comprising a casing forming a back and seat, a pair of collapsible runners pivotally connected to said casing and serving as legs for said chair, the seat of said chair comprising a pair of covers hingedly connected along one edge of said seat, the opposite edges of the covers joining along the middle, the casing forming the back and seat of said chair being hollow, a tank supported by the lower wall of the seat casing, and a plurality of wicks supported by the top wall of said tank.

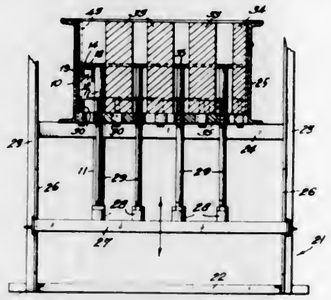
2,583,817
DENTAL CHAIR LIGHT WITH SWITCH ON HEADREST SUPPORT
James D. Chessrown, Youngstown, Ohio
Application January 31, 1946, Serial No. 644,593
3 Claims. (Cl. 240—1)

3. Apparatus of the character described comprising in combination a dental operating chair of the type having a head rest and means to raise and lower the chair, said head rest comprising a support mounted for universal adjustment, a spotlight and means to mount the spotlight in an elevated position forwardly of the chair for intense local illumination of the mouth of the patient seated in said chair, a switch for controlling the energization of said spotlight, an operator for said switch, said operator being supported on said head rest and being



adapted to be actuated to cause energization of said spotlight by the head of the patient resting squarely on said head rest.

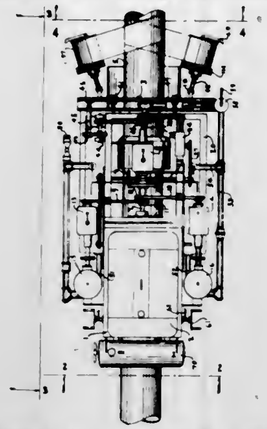
2,583,818
PALLET ADAPTER UNIT FOR BLOCK MOLDING MACHINES
Joseph W. Cihlar, Sturgeon Bay, Wis.
Application September 13, 1950, Serial No. 184,694
9 Claims. (Cl. 25—1)



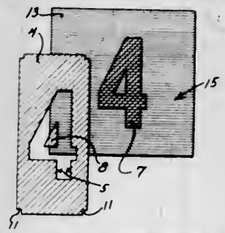
1. A pallet adaptor for block molding machines of the stripper type, said adaptor comprising a plate shaped and sized to fit and fill an end notch of a mold box pallet, a bar supporting said plate to which the plate is secured at a right angle to the plane of the bar, a pair of tubes connected one to each end of said bar and having corresponding upper ends disposed below the level of said plate, said tubes being adapted to engage a pair of stripper fingers of the machine and being adapted to be supported at their lower ends on a stripper finger bar, each of the tubes being of the same length as the stripper fingers for supporting the plate in the mold box and in the same plane as the pallet which is supported on the upper ends of the stripper fingers.

2,583,819
PIPE COATING AND WRAPPING MACHINE
James D. Cummings, Houston, Tex.
Application July 2, 1948, Serial No. 36,689
11 Claims. (Cl. 154—41)

1. A machine for applying protective materials to pipe comprising, a frame entending longitudinally about said pipe, bearings rigidly mounted on said frame, a threaded shaft journalled in said bearings, traction wheels on said shaft for driving engagement with the upper side of said pipe, a sump comprised in said frame, roller support means pivotally attached to said sump, rollers thereon adapted by said support means to be guided into engagement with the lower side of said pipe, a pipe coating and a pipe wrapping device supported by said frame, and means on said frame for driving said devices and said traction wheels, said coating device including a jacketed ring supported from said sump to surround said pipe and apply liquid thereto, a combustion chamber beneath said sump and integral therewith, and means for conducting heat through said chamber and jacket.



2,583,820
STENCIL
Clarence O. Dicks, Detroit, Mich.
Application January 17, 1946, Serial No. 641,796
1 Claim. (Cl. 101—128.2)

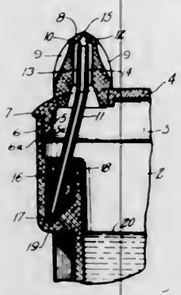


A stencil structure comprising an adhesive backed stencil sheet and liner positioned over the adhesive and removably attached thereto forming a stencil body portion, an indicia forming portion defined by an outer discontinuous incisure, an inner center portion within the indicia forming portion defined by an inner discontinuous incisure, and minute bridges of stencil sheet and liner material located between the cuts comprising each of said discontinuous incisures connecting the body portion of the stencil structure to the indicia forming portions and connecting the indicia forming portion to said inner center portion.

2,583,821
METERING SPRAY APPLICATOR
John H. Du Bois, Scotch Plains, N. J., assignor to Shaw Insulator Company, Irvington, N. J., a corporation of New Jersey
Application November 12, 1948, Serial No. 59,717
4 Claims. (Cl. 299—90)

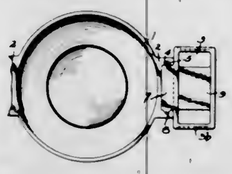
1. A dispensing container including a flexible receptacle having a flexible side wall and a wide-mouth lip, a top cover secured to the lip of said receptacle, a discharge nozzle projecting upwardly from the cover, said nozzle having an axially extending passageway with a discharge orifice portion at its upper end and a mixing chamber portion below said orifice, a tube having one end secured in the lower portion of the passageway with the bore of the tube in communication with

the mixing chamber, a grooved portion in said passageway forming with the outer wall of the tube a duct connecting the mixing chamber with the interior of the flexible receptacle, a measuring well within the receptacle, said well being open at the top and having a bottom wall located



upwardly from the bottom of the receptacle, said well having a mouth entirely uncovered with respect to said flexible side wall and wide-mouth lip of the receptacle, the lower end of the tube being directed to and supported at the bottom of the well.

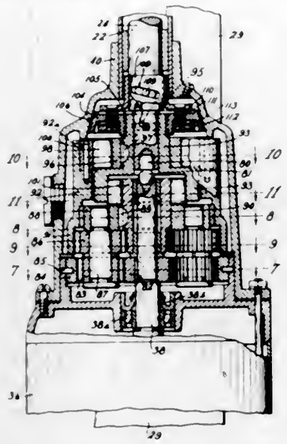
2,583,822
BOWL HAVING REMOVABLE POCKET THEREON
James Duncan, Ferndale, Mich.
Application February 9, 1950, Serial No. 143,267
3 Claims. (Cl. 65—15)



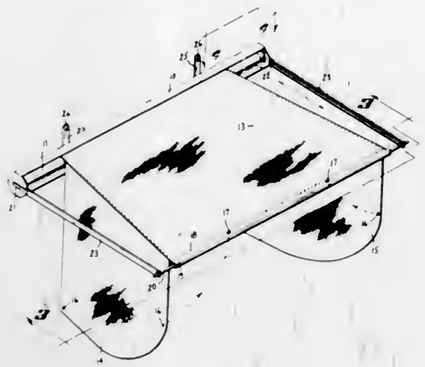
1. A bowl comprising a cup-shaped vessel having a handle projecting outwardly therefrom, support means integral with the vessel extending upwardly above the handle, said support means having opposed vertical guides thereon, a pocket open at the top adapted to rest on said handle, and means projecting from the wall of the pocket adjacent the vessel in sliding engagement with the vertical guides.

2,583,823
WASHING MACHINE TRANSMISSION
George W. Dunham, Westport, Conn., assignor to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware
Original application March 21, 1947, Serial No. 736,295. Divided and this application June 11, 1948, Serial No. 32,396
4 Claims. (Cl. 74—812)

1. In a washing machine in combination, a tub, a basket, a rotatable spinner shaft upon which said basket is carried for rotation in said tub, a clutch driven member having a lost motion driving connection with said spinner shaft a reversible motor shaft in coaxial relation to said spinner shaft, a low speed transmission comprising an overrunning clutch acting to drive said clutch driven member in one direction when the motor shaft rotates in one direction, and a high speed transmisison comprising an overrunning clutch acting to drive said clutch driven member in the same direction when said motor shaft rotates in the reverse direction, both of said transmissions being symmetrically disposed around the axis of said shafts.

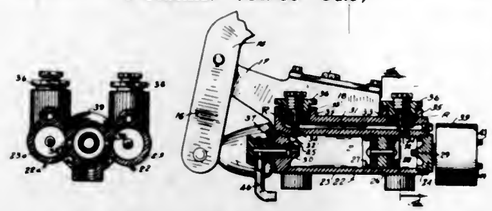


2,583,824
SHADED SCREEN
William G. Dwinell, Indianapolis, Ind., and John Howard Orth, Ames, Iowa
Application March 4, 1950, Serial No. 147,738
6 Claims. (Cl. 160—20)



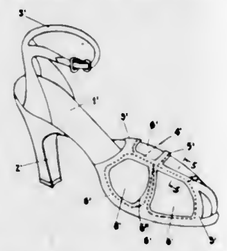
3. In a device of the class described, an elongated housing having a longitudinal slit opening, a spring loaded shaft roller rotatably mounted inside said housing, a flexible image curtain having one end secured to said roller shaft and its free end extendable through said slit opening of said housing at times, a light impervious curtain secured at one end to said shaft roller above said image curtain and having its free end extendable through said slit opening at times; each of said curtains simultaneously extendable so that when said curtains are extended through said opening, said first mentioned curtain will automatically drop to its effective position due to gravity, means for holding said last mentioned curtain at a substantially horizontal position at times, and a light impervious curtain at each of the two marginal edges of said second mentioned curtain extending downwardly therefrom when in effective position.

2,583,825
HYDRAULIC BRAKE SAFETY DEVICE
Arthur J. Felt, Littleton, Colo.
Application February 23, 1950, Serial No. 145,769
3 Claims. (Cl. 60—54.5)



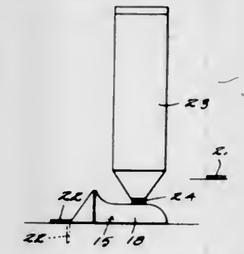
1. A hydraulic brake actuating device comprising; a master cylinder adapted for horizontal operation, having a reservoir disposed thereabove and a brake pedal bracket thereon projecting beyond the end of the master cylinder, the master cylinder, reservoir, and bracket being formed as an integral casting, a piston in the master cylinder, means comprising a brake pedal pivotally supported by the bracket for moving the piston in the master cylinder, a pair of safety cylinders, one disposed on each side of the master cylinder and parallel thereto, said safety cylinders being cast integral with the master cylinder, portions of the master cylinder walls forming common portions of the safety cylinder walls, a port extending through each common wall portion communicating one end of said master cylinder farthest from the brake pedal with corresponding ends of the safety cylinders, and a piston in each safety cylinder, the safety cylinder pistons being movable in the opposite direction to the piston in the master cylinder when the latter piston is actuated, the walls of the safety cylinders each having a valve controlled passage communicating opposite ends of the interior.

2,583,826
SHOE WITH INTERCHANGEABLE PANEL INSERTS
Mary Ann Fischer, Miami Beach, Fla.
Application July 25, 1949, Serial No. 106,553
6 Claims. (Cl. 36—11.5)



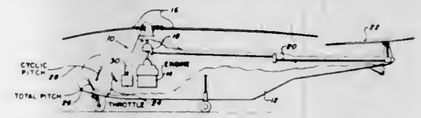
1. In a finished ready-to-wear shoe having an upper comprising upwardly projecting longitudinally extending strips at each side of and attached to the shoe sole, a longitudinally extending top strip portion located in laterally spaced relation between said side strips and disposed above the plane of the top edges of the latter, longitudinally spaced laterally arranged strap portions connecting each side edge of said top strip portion with longitudinally spaced portions of the adjacent side strip whereby to provide the upper with an interspace formation at opposite sides of said top strip and between the same and said side strips; the combination of separate flexi-stiff flap-providing means secured to the inner surface of each of said side and said top strips and concealed by the latter, the flaps of said flap-providing means having free edges extending toward the adjacent part of said interspace formation, separate removable and decorative closure panels of flexi-stiff material occupying the interspace formation, and said panels being of a width greater than the distance between opposite free edges of said flaps, whereby the side edges of said panels partially underlie said strips and also at least partially overlie the flaps of the adjacent flap-providing means whereby said panels are removably retained in place.

2,583,827
ARTIST'S COLOR DISPENSER
Louis Francis, Miami, Fla., assignor to J. D. Howard, Inc., Miami, Fla.
Application February 2, 1951, Serial No. 209,041
2 Claims. (Cl. 222—126)



1. A dispensing container for artist's color tubes comprising a housing having an open end and formed of upper and lower walls, opposite side walls, a rear wall, and an extension plate extending from said lower wall at the open end of the container, said container being formed of deformable non-resilient material having a characteristic such that said plate may be angularly bent in a plurality of directions to provide for holding said container in tilted position, or for closing the open end of the container.

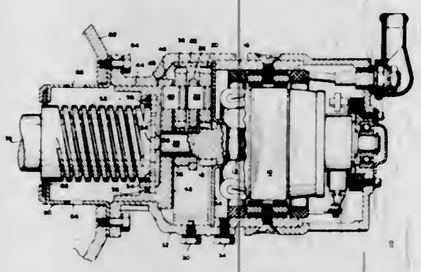
2,583,828
AUTOMATIC BUNGEE
Walter Gerstenberger, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 4, 1949, Serial No. 69,135
7 Claims. (Cl. 244—17.11)



1. In a helicopter having variable pitch rotor blades mounted thereon, means for cyclically varying the pitch of the blades to control the attitude of flight of said helicopter includng a control system for longitudinally and laterally controlling the helicopter, a pilot control member operatively connected to said control system for individually and simultaneously controlling longitudinal and lateral directions of flight of said helicopter, a power operated trim mechanism including a unit for each of the operative control directions of said system, each of said units comprising a plurality of resilient members connected to said system for preloading the latter equally in opposite directions includ-

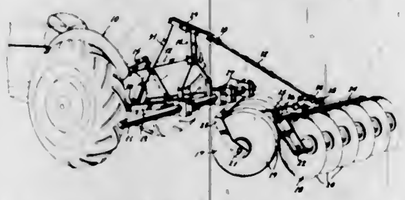
ing, means for varying the loading in at least one of said resilient members to upset said equalized preloading, and means responsive to force opposing longitudinally and laterally stabilized flight of the helicopter for energizing said power operated mechanism including elements operatively connected to said control system and said trim mechanism.

2,583,829
WRAP SPRING STARTER
Samuel Gilbert, Cedar Grove, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application June 3, 1949, Serial No. 97,030
1 Claim. (Cl. 192—42)



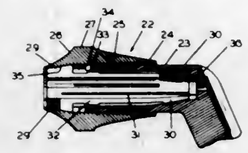
In a starter for an internal combustion engine, the combination a driving member, a helical spring clutch member operatively connected at one end to said driving member, the other end of said helical spring member terminating in a rigid ring-like section, a driven member interposed in said helical spring member, said helical spring member including said ring-like section having a normal diameter slightly greater than the diameter of said driven member, a friction ring surrounding and in frictional engagement with said ring-like section, supporting means for said friction ring, said friction ring being so proportioned to frictionally grip said ring-like section upon rotation of said helical spring member in an engine cranking direction to cause said helical spring member to grip the driven member while permitting the helical spring member to be rotated by the driving member when the frictional force of the ring is overcome by the force of rotation of the driving member.

2,583,830
TRACTOR LIFT DISK HARROW
William E. Goble, Fowler, Calif., assignor, by mesne assignments, to The Massey-Harris Company, Racine, Wis.
Application July 15, 1947, Serial No. 761,045
6 Claims. (Cl. 55—73)



1. A ground working implement adapted for operation with a draft appliance having an elevationally positionable tool bar, comprising a plurality of gangs of earthworking tools in fore and aft arrangement, means interconnecting the gangs for relative angling movement in a horizontal plane, means rigidly connecting the forward gang to the tool bar, and thrust means interconnecting the draft appliance and the rearward gang and translating depressing of the tool bar into forcible rearward angling of the rearward gang.

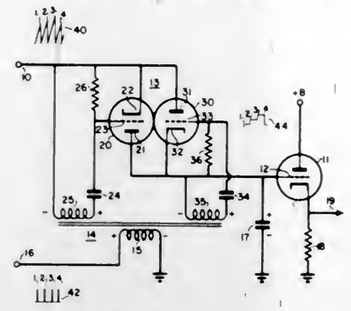
2,583,831
COLLET CHUCK FOR FISHING POLE HANDLES
John Goergen, Milwaukee, Wis.
Application June 10, 1947, Serial No. 753,773
1 Claim. (Cl. 279—54)



A device of the character described to be used in conjunction with a fishing pole and reel, said device comprising a handle having a grip mounted on its rearward end, a chuck assembly arranged on the forward end of said handle and including a cylindrical sleeve provided with an exteriorly threaded portion, said sleeve forming a part of the forward end of said handle, a nut member arranged in threaded engagement with the threaded portion of said sleeve, said nut member being provided with an exteriorly knurled surface, a cylindrical collet member having an outwardly extending portion on each end thereof for clamping said pole into said collet member, there being a first set of spaced parallel slots extending from one end of said collet member, there being a second set of spaced parallel slots interposed between the slots of the first set and extending from the opposite end of said collet member, said collet member being of cylindrical shape and positioned in said sleeve, said collet member being provided with an intermediate portion that is raised, a pin extending from said raised portion, said sleeve being provided with a slot for receiving said pin to prevent accidental rotation of said collet member, said clamping nut being provided with an angular front portion, said sleeve being provided with an angular surface whereby rotation of said nut causes said collet member to have its forward and rear ends brought to a smaller diameter.

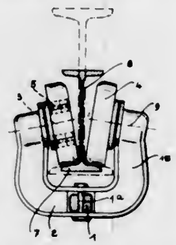
2,583,832
CLAMPING CIRCUITS
Harold Goldberg, Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application February 28, 1947, Serial No. 731,511
3 Claims. (Cl. 250—27)

1. A bi-directional electronic switch for intermittently connecting a source of electrical energy to an electrical storage device, said switch comprising a pair of vacuum tubes each having at least an anode, a cathode, and a control electrode, the anode of the first of said tubes being connected directly to the cathode of the second of said tubes, and the cathode of the first of said tubes being directly connected to the anode of the second of said tubes, said source being connected to one of said anodes and said storage device to the other, a plurality of energy storage devices, and an isolation transformer having a plurality of windings; the control electrodes of each of said tubes being connected through one of said energy storage devices to separate and similar windings of the said isolation transformer, the said windings in each case comprising a return circuit from the respective control electrodes to the respective cathodes, and a pair of resistors,



one connected between each control electrode and its related cathode, and a source of control signals coupled equally to each of the said transformer windings.

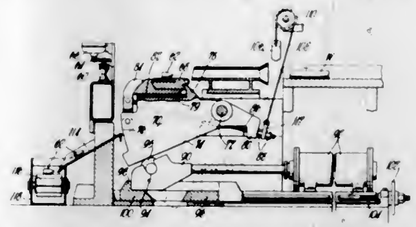
2,583,833
MONORAIL RUNNING GEAR FOR SUSPENSION CRANES
Arthur Gräf, Mannheim, Germany
Application September 7, 1949, Serial No. 114,377
4 Claims. (Cl. 105—154)



1. A monorail trolley for suspension cranes and the like, including, in combination, a structural member constituting a track and having a web and base flanges connected by concave fillets, a frame of substantially U-shaped formation having arms adapted to straddle the base flange of the beam, a roller carried by each arm of the frame and mounted on an axis disposed at an angle to the web of the beam, said roller having its inner marginal edge of convex formation to correspond to and engage the base fillet of the beam between the web of the beam and the upper surface of the related flange thereof, said roller also having a peripheral portion disposed at an outwardly flaring angle with respect to the inclined upper face of the base flange of the beam.

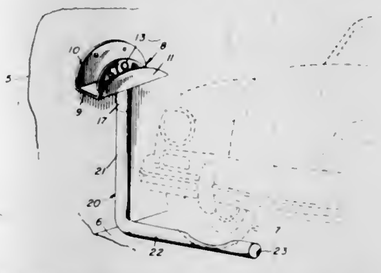
2,583,834
AUTOMATIC TWIN BAR-BRIDGE BENCH PIERCER MILL
Harry E. Gross, Lorain, Ohio, assignor to United States Steel Company, a corporation of New Jersey
Application September 3, 1948, Serial No. 47,647
3 Claims. (Cl. 80—13)

1. Plug-handling apparatus for a piercer mill comprising a guide-shoe support pivotally mounted below the mill, a guide shoe on said support, said guide shoe being positioned to catch a piercing plug on withdrawal of the thrust bar therefrom, means for raising and lowering said guide-shoe support, a gate suspended adjacent the entrance side of the mill, and means connecting



said gate with said support for operation thereby when said support is raised and lowered.

2,583,835
WARNING INDICATOR FOR GARAGES
Helmuth H. Grossenbach, Milwaukee, Wis.
Application August 22, 1949, Serial No. 111,643
1 Claim. (Cl. 116—65)

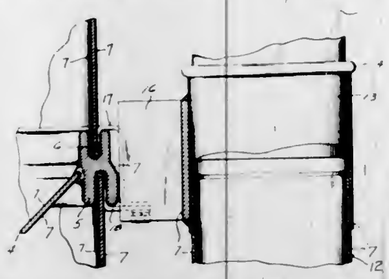


A warning indicator adapted for use in a private garage comprising a wall fixture embodying a horizontal shelf having a vertical attaching flange along one longitudinal edge and a second vertical flange along an opposite longitudinal edge, said second flange constituting a shield, said shelf having a hole therein, a vertical cylinder passing downwardly through said hole and having a supporting flange resting on said shelf, a piston slidable in said cylinder and including a rod extending upwardly through said cylinder, a vertical plate attached to the upper end of said rod, said plate providing a liftable and lowerable signal and being in a normally "down" position and substantially hidden from view by said shield, and a compressible air charged hose having a vertical branch communicatively secured to said cylinder and a horizontal branch constituting a trip.

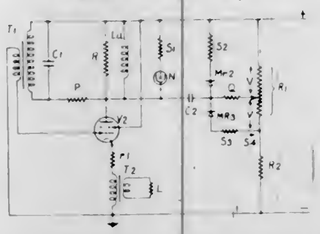
2,583,836
SILO FILLER PIPE
Frederick A. Gruetjen, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application December 5, 1946, Serial No. 714,246
2 Claims. (Cl. 189—3)

1. In an airtight silo formed of a plurality of superimposed metal ring members disposed in H-ring members at the joints therebetween, a silo filler pipe formed of a plurality of ceramic enamel coated sections and extending up the outside of the silo and opening into the silo near the top thereof, generally short cylindrical sleeve members provided at the joints between pipe sections and secured to the upper end of the lower pipe section to be joined and forming a slip joint connection with the upper pipe leaving the latter

free to expand to prevent deflection of the metal and crazing of the enamel coating thereon, and arms connected to said sleeve members and extending laterally therefrom with flanges thereon hooked over said H-rings to connect the pipe thereto without deflection of the body of the pipe and injury to the enamel coating thereof.



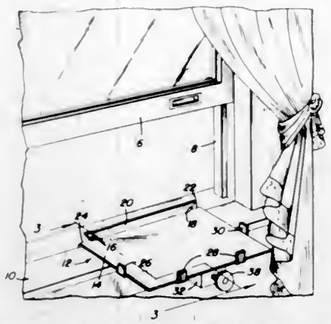
2,583,837
THERMIONIC VALVE OSCILLATOR
Bertram Morton Hadfield, Harrow Weald, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application September 24, 1945, Serial No. 618,348
In Great Britain October 13, 1944
5 Claims. (Cl. 250—36)



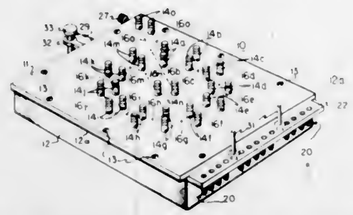
1. An oscillation generator comprising a thermionic valve having a cathode, a cathode lead connecting the cathode to ground, an input circuit, and an anode circuit, a frequency selective transfer device comprising a series resistance, a transformer and a condenser coupling said anode and input circuits, one of the windings of said transformer tuned to a desired frequency by means of said condenser, an element in said cathode to ground lead, a load impedance inductively coupled to said element, whereby a constant voltage is supplied to said load impedance over a wide range of values of the impedance.

2,583,838
WINDOW SILL SHELF
Cecil A. Hart, Hackensack, N. J.
Application December 9, 1949, Serial No. 131,983
1 Claim. (Cl. 211—90)

A window sill attachment particularly useful in supporting an electric fan from a window sill and in alignment with a window opening comprising a flat rectangular plate a substantial portion of which is adapted to rest firmly atop the window sill, said plate being provided along an outer marginal edge with a vertical upstanding flange, said flange being uninterrupted from end-to-end and constituting a reinforcing member as well as a stop element for the base of the stated fan, said plate being provided on the same edge with depending detents having pointed portions adapted to be embedded in an edge portion of the stated sill, said plate being provided along other marginal edges with upstanding spaced lugs, a set screw, and means for mounting the set screw beneath and in parallelism with said plate.



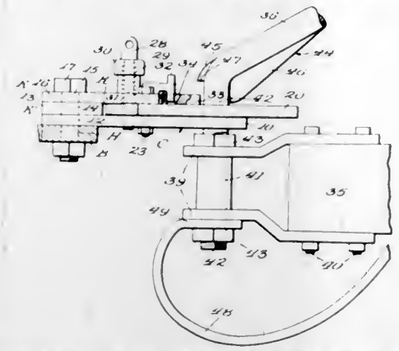
2,583,839
CAP CONNECTING BOX
James E. Hawkins and Robert S. Finn, Tulsa, Okla., assignors to Seismograph Service Corporation, Tulsa, Okla., a corporation of Delaware
Application May 27, 1949, Serial No. 95,834
7 Claims. (Cl. 175—115)



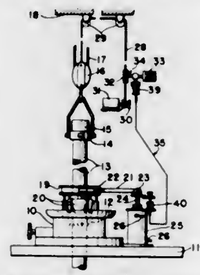
1. A cap connecting box for connecting a source of blasting energy to a plurality of caps for detonating simultaneously a plurality of charges, comprising a terminal board, a plurality of pairs of terminals mounted on said board to which pairs of leads connected to different ones of said caps may be connected, an additional pair of terminals mounted on said board to which leads to said source of blasting energy may be connected, means on said terminal board for connecting said pairs of terminals in series when each pair of terminals has an electric circuit connected thereto, a ground terminal associated with said box, a multi-pole switch, and means including said multi-pole switch for both short circuiting each pair of said terminals and also connecting each pair of said terminals to said ground terminal thereby to prevent detonation of said caps as long as said switch is closed.

2,583,840
DRAFT COUPLING
Robert E. Hawkins and Glen E. Spaulding, Tipton, Ind.; said Hawkins assignor to said Spaulding
Application February 15, 1950, Serial No. 144,256
8 Claims. (Cl. 280—33.15)

6. In a coupling for a tractor attached drawbar and vehicle attached tongue, a bifurcated keeper on the drawbar having its legs directed rearwardly of said bar to form an elongated, open-ended slot, a latch member attached to said keeper movable to open or close the end of said slot, a freely hinged flap member attached to the upper face of said keeper and normally overlying the forward end of said elongated slot, an upstanding hitch frame on said tongue, said frame including a relatively short vertical leg adjacent the outer end of said tongue and an inclined portion extending upwardly and rearwardly from the top of said leg, said freely hinged flap member being pivotally displaced upwardly when said inclined member is drawn through the elongated keeper slot but automatically falling downwardly by force of gravity to shorten said slot when said short vertical leg has been drawn into operating position.

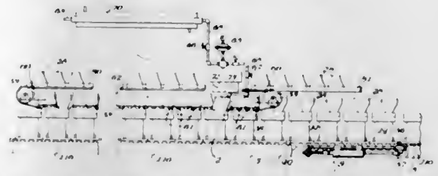


2,583,841
APPARATUS FOR MEASURING ROTARY WELL STRINGS AND WELL DEPTHS
John T. Hayward, Tulsa, Okla.
Application March 2, 1948, Serial No. 12,588
1 Claim. (Cl. 33—134)



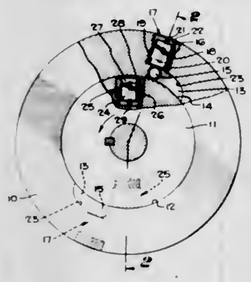
In a system for measuring rotary well strings and well depths including slips engageable with the well string for interrupting the movements thereof into and out of a well, a vertically reciprocable slip support for moving the slips into and out of engagement with said well string, and a register driven from the movements of the drill string feed mechanism for measuring the movements of the drill string, a device for controlling said register, comprising, a drive shaft driven by an element responsive to the movements of said feed mechanism, a clutch means connecting said shaft to said register and having a clutch release element, a pair of contact members mounted on two relatively movable portions of said slip support for compressive engageement by relative vertical movement between said portions, one of said contact members having resilient connection to said release element, and comprising the end of a shaft forming said connection extending sildably through a stationary sleeve, and a coil spring mounted in compression between said end of the shaft and the adjacent end of said sleeve.

2,583,842
METHOD AND APPARATUS FOR CASTING CERAMIC ARTICLES
James M. Hendrickson, West Franklin Township, Armstrong County, Pa., assignor to Eljer Company, Ford City, Pa., a corporation of Pennsylvania
Application July 9, 1947, Serial No. 759,836
10 Claims. (Cl. 25—29)



1. The method of casting bodies which consists in, providing a mold cavity to produce cast ware, providing an opening into the cavity, pouring the casting material through the opening into the cavity to fill the same, and employing a reflection from the surface of the casting material as it rises in the opening to shut off the casting material when the mold is filled.

2,583,843
MAGNETIC TYPE ONE-WAY CLUTCH
Homer K. Herrick, Monrovia, Calif.
Application February 7, 1949, Serial No. 74,869
7 Claims. (Cl. 192—45)

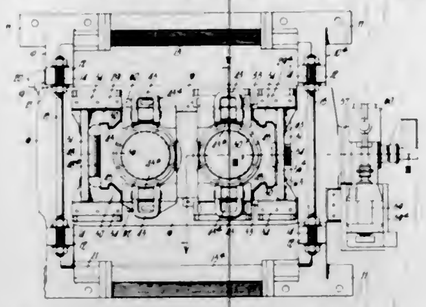


1. In a one way drive mechanism: a pair of relatively movable members, one of said members having a recess facing the surface of said other member, said recess together with said surface defining a wedge-shaped space; a rolling element of magnetic material in said space capable of wedging therein; first magnetic means on said other member for moving said rolling element into wedging relationship upon relative movement of said members in one direction; and a second magnetic means in said one member exerting less magnetic force than said first magnetic means for lifting said rolling element away from said surface, when said element is in unwedged position.

2,583,844
VERTICAL BAR AND BILLET MILL
William J. Hill, Mount Lebanon, Pa., and Charles Clarke Wales, Lorain, Ohio, assignors to United States Steel Company, a corporation of New Jersey
Application December 8, 1950, Serial No. 199,892
15 Claims. (Cl. 80—31.1)

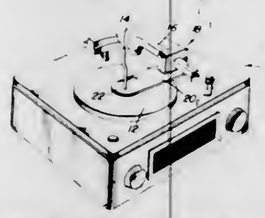
1. A rolling mill comprising a pair of spaced, open-topped mill housings standing erect, a pair of mill housings closed at both ends, disposed horizontally, in vertically spaced relation within said first-mentioned housings, said second-men-

tioned housings forming an assembly slidable vertically as a unit in said first-mentioned housings, windows in all said housings, a pair of vertical guide frames spaced apart horizontally, open at the top, suspended from the upper of said second-mentioned housings and depending



through the windows of the latter, roll chocks arranged in vertically alined pairs, one chock of each pair being disposed in the window of each of said second-mentioned housings, vertical rolls journaled in each pair of chocks, said frames guiding vertical movement of said chocks on removal and replacement of the rolls.

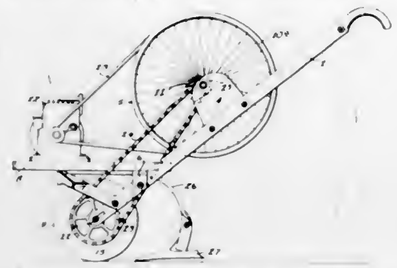
2,583,845
TONE ARM HOLDER
Frank J. Holik, Amarillo, Tex.
Application October 7, 1949, Serial No. 120,077
1 Claim. (Cl. 274—1)



A tone arm holder for a phonograph comprising a base, said base having an aperture therethrough adjacent one end, said aperture adapted to fit over the record positioning spindle of a phonograph turntable, a substantially U-shaped member secured to said base adjacent the other end of said base, the legs of said member extending parallel to said base, a U-shaped resilient liner in said U-shaped member, said resilient liner being thickened adjacent the open end thereof to provide a resilient retaining means for said tone arm.

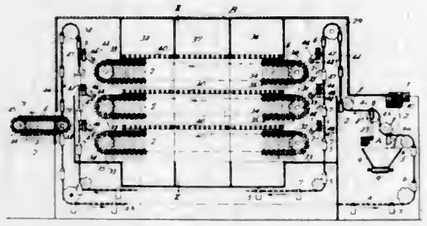
2,583,846
GARDEN TRACTOR
George A. Hull, Wichita, Kans.
Application September 24, 1946, Serial No. 698,929
3 Claims. (Cl. 97—48)

3. A garden cultivator comprising a support frame including upwardly inclined transversely spaced handles, a traction wheel journaled upon the lower end of the support frame and supporting such lower end, a sprocket wheel attached to said traction wheel, a substantially horizontal platform mounted upon the support frame and disposed above the traction wheel, a prime mover mounted upon the platform, a pair of laterally oppositely disposed sheet metal brackets secured to the handles rearwardly of and above the platform and including inner opposed substantially vertical extensions which are laterally spaced, speed reducing mechanism including a bicycle coaster brake-clutch device having a hub carrying a bicycle wheel rim and an axle rotatably supporting said hub and mounted in said vertical extensions, a radial arm on said axle, one of said brackets including a lug engaging said arm to hold said axle against rota-



tion, a drive connection between the prime mover and said wheel rim, a second sprocket wheel on said hub and of a diameter smaller than said first named sprocket wheel, a chain drive between said first and second named sprocket wheels, and a cultivating implement secured to a support frame and depending therefrom and disposed rearwardly of the traction wheel for creating a drag to retard the forward movement of the traction wheel.

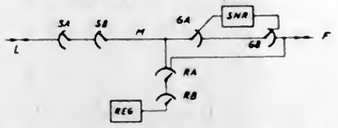
2,583,847
CONTINUOUS-TYPE SPAGHETTI DRIER
Charles Hummel, Uzwil, Switzerland, assignor to Gebrüder Bühler, Uzwil, Switzerland
Application April 28, 1949, Serial No. 90,225
In Switzerland November 22, 1948
1 Claim. (Cl. 34—205)



In a continuous type drying apparatus for spaghetti to be extruded from a dough press having a plurality of linearly arranged extrusion dies, the combination of a drying compartment, endless drier chains for conveying the spaghetti to be dried through said compartment from a receiving station to a delivery station, endless conveyor chains passing underneath said extrusion dies and into proximity with said receiving and delivery stations, a plurality of spaghetti receiving rods loosely carried in successive spaced relationship by said endless conveyor chains and arranged to be loaded by spaghetti strings when passing underneath said extrusion dies, means actuated in response to the travelling speed of said rod carrying conveyor chains and to the distance between successive rods for cutting off the extruded spaghetti strings into predetermined lengths for automatically loading successive rods with spaghetti strings, means at said receiving station for transferring the loaded rods to said drier chains, means at said delivery station for transferring the loaded rods from the drier chains

again to said endless conveyor chains, and means for discharging the loaded rods from said endless conveyor chains.

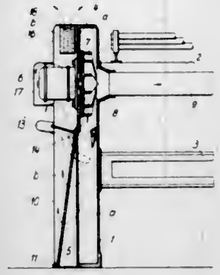
2,583,848
SWITCHING DEVICE FOR THE SETTING OF CROSSBAR SWITCHES BY MEANS OF MARKERS
Karl Georg Johnson, Stockholm, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden
Application May 23, 1947, Serial No. 750,032
In Sweden May 23, 1946
3 Claims. (Cl. 179—22)



1. In an automatic telephone system in combination, cross-bar switches, a plurality of selection stages connected in series, each of said selection stages having operating bars in said cross-bar switches, an operating magnet with a break contact for each of said operating bars, a set of relays for each of said selection stages, test relays in each of said sets building a chain of relays connected for operation singly only, a first one of said selection stages, a trunk available in a number of operating bars in said first selection stage, a test circuit including said break contact for each operating bar in said first selection stage, means connecting said test circuits to said test relays for said first selection stage by a call on said trunk, a second one of said selection stages, links connecting said operating bars in said first selection stage to said second selection stage, each of said links being available in a number of operating bars in said second selection stage, a test circuit including said break contact for each operating bar in said second selection stage, means connecting said last mentioned test circuits to said test relays for said second selection stage when one operating bar in said first selection stage with the corresponding link is selected by a test relay for said first selection stage, a time measuring device, contacts in the relay set for said first selection stage closing a circuit starting the timing operation of said time measuring device when an operating bar is selected by a test relay of said first selection stage, contacts in the relay set for said second selection stage breaking said circuit and preventing operation of said time measuring device when one of said test relays in said second selection stage operates, and means actuated by the expiration of a predetermining time interval fixed by said time measuring device, when operated, for releasing the operating bar selected in said first selection stage and causing selection of another operating bar in said first selection stage.

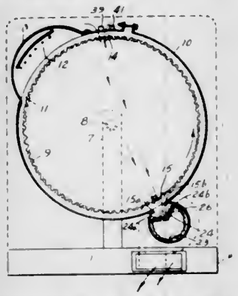
2,583,849
SUCTION END-CATCHER IN RING SPINNING AND TWISTING MACHINES
Christian Just, Winterthur, Switzerland, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland
Application April 11, 1949, Serial No. 86,661
In Sweden April 19, 1948
7 Claims. (Cl. 57—34.5)

1. In a textile ring frame or ring twisting frame having an end shield formed as a hollow box-like structure, a motor-driven suction fan located in said box-like end shield, a filter screen located in the box-like structure in position to



receive air from the fan and filter out broken thread ends which have been sucked away from the textile frame by the fan.

2,583,850
DRIER
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application January 29, 1948, Serial No. 4,985
5 Claims. (Cl. 34—82)

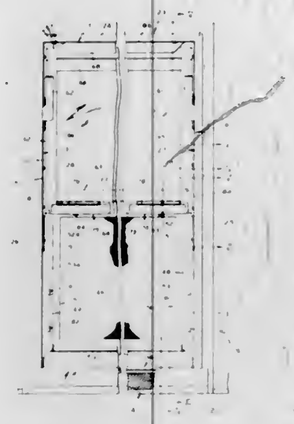


1. In a clothes drier of the type having a casing containing a drum for tumbling the clothes and having an air inlet to the casing, and means withdrawing air from the casing, the combination of a duct for the air having an inlet opening in a side wall communicating with the casing, a hollow screen insertable in the duct having a lint collecting recess in its outer surface opposite the inlet opening and having its interior communicating with the air withdrawal means.

2,583,851
CONVERTIBLE WINDOW
Harry A. Kaufmann, Detroit, Mich., assignor to Kaufmann Corporation, Detroit, Mich., a corporation of Michigan
Application April 6, 1950, Serial No. 154,340
6 Claims. (Cl. 160—90)

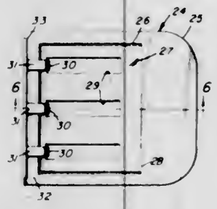
1. In means for supporting sash with respect to each other and substantially within a zone defined peripherally by the sill and blind-stop of a window frame, said blind-stop having an exterior edge, the combination comprising: a plurality of guide angles having side and face flanges, said side flanges being secured to the opposing surfaces of said blind-stop substantially along the full length thereof and having lengthwise beads intermediate the lengthwise edges thereof and extending therefrom out of said zone adjacent to said blind-stop exterior edge, and said face

flanges extending into said zone substantially within a single plane disposed externally of said blind-stop; a first glass sash removably held against and parallel with said face flanges and resilient means secured to said blind-stop removably holding said glass sash within said zone



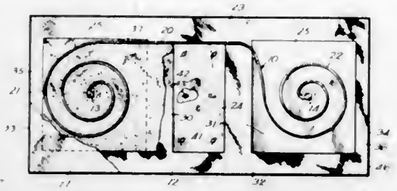
and near the top thereof; a second glass sash and means secured to said side flanges slidably holding said second glass sash adjacent to, interiorly of, and parallel with said first glass sash and within said zone; and means for disconnectably engaging and supporting said second glass sash in a raised position.

2,583,852
LOOSE-LEAF CHECK AND BINDER ASSEMBLY
Frank Kautzman and Junior A. B. Peak, Salt Lake City, Utah; said Peak assignor to said Kautzman
Application May 16, 1945, Serial No. 594,022
1 Claim. (Cl. 129—1)



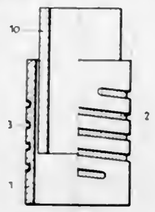
As a new article of manufacture, an insert for a stub pocket in a check book binder, said insert comprising a substantially flat plate provided at one end only with a laterally directed guard flange, the major central portion of said plate being struck-out to provide a resilient panel, the inherent resiliency in said panel serving to maintain the latter in a plane with the body portion of said plate, the free end of said panel being disposed in spaced parallelism to said flange and defining between itself and the flange a hook contacting ledge, a plurality of tongues struck-out from said panel and bent upon themselves to provide complemental hooks, the bill portions of said hooks normally resting on said ledge in contact with the inner adjacent surface of said flange.

2,583,853
DIATHERMY ELECTRODE
Frank W. Kazdin, Laurelton, N. Y.
Application August 8, 1950, Serial No. 178,219
11 Claims. (Cl. 128—411)



9. In an electrode of the character described, a pair of unmutilated sponge rubber sheets coextensive in width, one of said sheets being shorter than and secured to the other in face to face relation and with the respective end edges thereof in registration with the end edges of the other sheet, a flexible length of tubular braided wire adhesively secured between the sheets, each end portion of said wire being coiled, a relatively rigid stiffening sheet between each of the coiled portions of the wire and said other sheet and adhesively secured thereto, and a terminal for each coiled portion passing through said other sheet and through each stiffening sheet into electrical contact with the coiled portion.

2,583,854
INDUCTANCE COIL WITH CERAMIC FORM FOR HIGH FREQUENCY
Heinz Georg Kehbel, Bavaria, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application October 5, 1949, Serial No. 119,619
In Germany October 1, 1948
13 Claims. (Cl. 171—242)



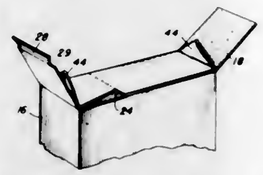
1. An electrical coil structure, particularly for high-frequency purposes, comprising a rigid ceramic carrier of a high dielectric constant and a small loss factor, said carrier having the shape of a hollow cylinder and having a helical groove on its exterior cylinder surface, and another helical groove on its inner surface, and a conductive coil material disposed in said two grooves.

2,583,855
ZINCILATE IMPREGNATED FIBER GLASS
Ivan Kenis, Dayton, Ohio, assignor to Industrial Metal Protectives, Inc., Wilmington, Del., a corporation of Delaware
Application March 22, 1948, Serial No. 16,292
3 Claims. (Cl. 117—126)



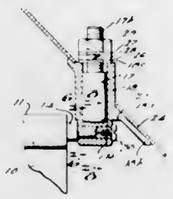
1. The method of protecting a textile article of glass fibers from abrasive influences consisting of applying a coating composition to said article, which composition consists of at least one finely comminuted metal having a particle size at least 90% of which is less than 6 microns selected from the group consisting of zinc, lead and aluminum, suspended in a sodium silicate solution having the ratio of $Na_2O:SiO_2$ defined in moles of from 1:2.3 to 1:3, and drying the composition.

2,583,856
LINED DISPENSING CARTON
Charles G. Klein, La Junta, Colo.
Application April 6, 1948, Serial No. 19,415
3 Claims. (Cl. 229—17)



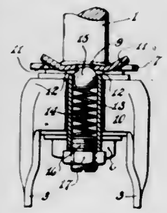
1. In combination with a liner having a top wall, a carton formed from a single blank of material comprising side walls and interconnecting end walls, a pair of overlapping flaps carried at the top edges of said side walls having an adhesive on the under surfaces of said flaps for securing the latter to the top wall of the liner, transversely extending perforated lines carried by said overlapping flaps adjacent one of said end walls, an end flap carried by said one of said end walls overlying said overlapping flaps but unsecured thereto, a tab carried by the free edge of said end flap having an adhesive on the under surface of said tab only for securing the latter to said overlapping flaps beyond said perforated lines whereby when said end tab is severed from said overlapping flaps and said perforated lines are broken a pouring spout is formed adjacent said one of said end walls, and a second end flap carried by the other of said end walls having an adhesive at the under surface of said second end flap for securing the latter to said overlapping flaps and reinforcing the carton.

2,583,857
GLARE SHIELD SUPPORT
Nicholas G. Koppinger, St. Clair Shores, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 22, 1945, Serial No. 623,621
4 Claims. (Cl. 248—205)



1. A glare shield structure, comprising a bracket, a stud mounted to turn in said bracket about a generally vertical axis and terminating in an enlarged head disposed below the bracket and provided with a transverse hole, a shield supporting rod having one end rotatably supported in said hole, a friction washer lying between said head and the end of the bracket and having a hole through which said stud extends and being frictionally engageable at its upper side with said end of said bracket, said head and washer having opposed arcuate portions embracing opposite sides of the rod and frictionally engageable therewith, and means for axially adjusting said stud to vary the frictional engagement of said portions with said rod and the frictional engagement of said washer with said bracket.

2,583,858
AUTOMATIC SWIVEL LOCKING CASTER
John F. Kostolecki, Palmer, Mass., assignor to Jarvis & Jarvis, Inc., Palmer, Mass., a corporation of Massachusetts
Application December 10, 1949, Serial No. 132,337
3 Claims. (Cl. 16—35)

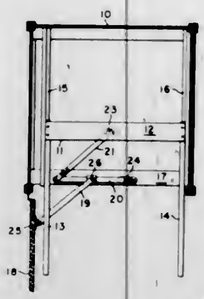


2. In an automatically locking caster having a forked member, a wheel rotatably carried thereby and a supporting member, said members being inter-connected for relative swivel movement about an axis at right angles to and offset from the axis of rotation of said wheel, two interengaging elements, one fixed to each of said members and radially spaced from said axis of swivel movement, said elements yieldingly interengaging in one position of relative swivelling of said members, said elements being engageable and disengageable by application of a torque to one of said members, one of said elements including a recessed portion having the edges thereof spaced radially from said axis of swivel movement for engaging between said edges the other of said elements, means positioned adjacent each side of said recess to vary the resistance between said elements adjacent the position of interengaging relation, said last-named means comprising complementary primary cam surfaces extending outwardly from the radial edges of said recess in the path of and inclined toward said other element and complementary secondary cam surfaces extending outwardly from said primary cam surfaces in the path of and inclined away from said other element.

2,583,859
PULL-OUT MECHANISM
John Leszak, Baltimore, and Harry F. Zimmerman, Towson, Md., assignors to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application April 21, 1948, Serial No. 22,474
3 Claims. (Cl. 312—274)

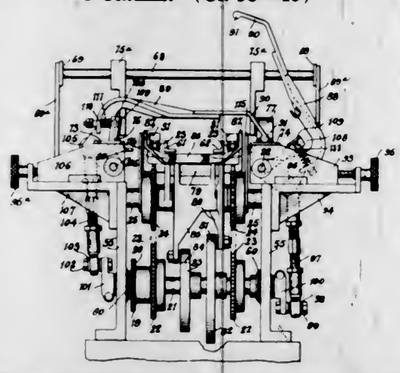
3. In an article of furniture having a door hinged along one of its edges and an object normally housed within it and withdrawable therefrom by rectilinear motion in a direction lying in a plane normal to the axis of rotation of said door, means causing withdrawal of said object upon the opening of said door, said means comprising; a pair of arms joined together at their ends for pivotal movement, means joining the remaining end of one of said arms to said object

for pivotal movement about a point near the rear thereof, means joining the remaining end of the other of said arms to said article of furniture for movement about a point near the front of said object, and an arm having one end pivotally secured to said door and its remaining end pivot-



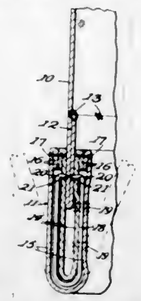
ally secured to a point intermediate the ends of said other arm of said pair, the sum of the lengths of said arms being greater than the maximum distance between the first two of said points and the junction of said pair of arms lying between the axis of rotation of said door and a line joining said first two points.

2,583,860
MACHINE FOR FOLDING CARTONS
David Levkoff, Great Neck, N. Y.
Application September 16, 1948, Serial No. 49,543
8 Claims. (Cl. 93—49)



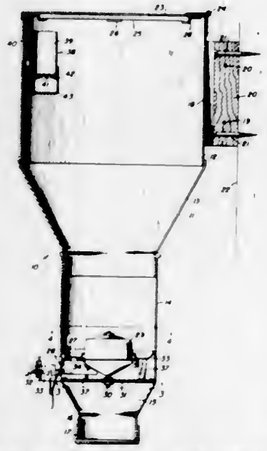
1. In a machine of the character described, means for supporting a carton stack, a chain conveyor for successively removing cartons from the bottom of the stack and carrying the same away from the stack, means for engaging each carton so removed from the stack and holding it for a predetermined period in a stationary position, pivoted tucking fingers located at each end of said carton-holding means, means for pivotally moving said pivoted tucking fingers, resiliently mounted plates carried by said fingers for engagement with the ends of the carton while the carton is held stationarily to fold said ends upwardly to erect position, and end portions on the fingers caused to enter into the erected carton and fold downwardly flaps on the ends of said carton and cause said flaps to be tucked into slits provided in the bottom portion of the carton, each finger folding down the flap at that end of the carton that is held in erect position by the resiliently-mounted plate of its companion finger.

2,583,861
CUFF ATTACHMENT FOR TROUSER LEGS
Herschal G. Lewallen, Anderson, Ind.
Application February 28, 1949, Serial No. 78,863
2 Claims. (Cl. 2—232)



1. An attachment for pant leg bottoms, wherein the pant leg includes an inturned hem in the bottom zone and wherein the attachment is removably positioned to embrace both leg bottom and hem, such attachment comprising an annular element of two-ply formation with each ply having each of its free edge zones folded upon itself with the zones secured together by stitching with the folded portions in facial contact to thereby form a closed pocket between the plies, said element being folded upon itself to form a U-shape cross-section with the secured free edge zones of the plies forming the free end of the respective sides or upstanding legs of the U-shape cross-section formation, said element closed pocket containing a plurality of spaced supporting spring clips each extending into both legs of the U-shape cross-section formation and each being fixedly positioned relative to the ply formation by confining stitching positioned within the inner leg of the U-shape cross-section formation.

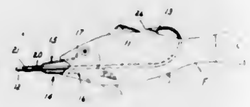
2,583,862
DISPENSING CONTAINER HAVING AN ELECTRICALLY VIBRATED SCREEN
Herbert A. Lichtenstein, Bangor, Maine
Application December 4, 1947, Serial No. 789,734
1 Claim. (Cl. 222—199)



In a dispensing container, the combination of a vertically elongated chamber provided at its lower end with an outlet neck, an electromagnet mounted centrally in said chamber and including a substantially vertical vibratory armature, a

horizontally disposed vibratory screen provided in said chamber and secured substantially at the center thereof to the lower end of said armature, an annular separator trough positioned between said electromagnet and the side wall of said chamber in spaced relation above said screen, the bottom of said trough being formed with a plurality of passages, and a set of supporting legs provided on said trough and resting on said screen, whereby vibratory motion of the screen may be transmitted to said trough.

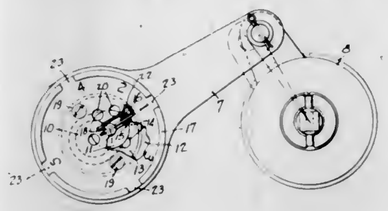
2,583,863
FISHHOOK
Kermit V. Lysen, Willmar, Minn.
Application May 21, 1947, Serial No. 749,405
3 Claims. (Cl. 43—44.8)



1. A fish hook comprising a suitable shank terminating at the rear end in a barbed point, said shank being of such length as to receive a minnow as bait thereon when the barbed end of the hook is threaded into the mouth of the minnow, through the body thereof and out through the rear back portion of the minnow, a pair of yieldable elongated bait holding members extending outwardly in opposite directions and from opposite sides of the shank and forming an angle facing the barbed end of the hook, said members being of such length as to extend only into the mouth of the minnow to engage with the top and bottom thereof and being disposed substantially in planes intersecting the plane of the barbed end of the hook, and said yieldable elongated bait holding members each have a terminal end extending outwardly therefrom at substantially a right angle to the adjacent portions of its respective bait holding member to cause them to engage the top and bottom of the mouth of the minnow with a gripping action, whereby the minnow is retained in a relatively fixed position upon the hook.

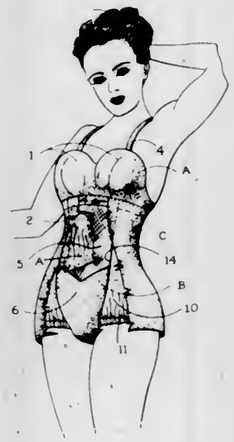
2,583,864
ADJUSTABLE ECCENTRIC
Philip C. Malmsten, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 12, 1946, Serial No. 676,268
1 Claim. (Cl. 74—571)

An eccentric for adjusting the length of stroke of a member connected at one end to a driven shaft and at the other end to a power driven transmission shaft to rotate the driven shaft therefrom, which comprises a crank extending axially from said transmission shaft in eccentric relation thereto and having a relatively short shaft extending axially therefrom, a bearing secured within the transmission end of said connecting member and having an offset crank opening in the inner race thereof to receive said crank and dispose the center of the bearing eccentric to the center of said crank, said inner race of the bearing having a plurality of semi-circular grooves extending longitudinally through the bearing surface thereof and circumferentially spaced from each other to dispose the same at different radial distances from the center of the bearing, a longitudinally extending groove provided in the outer periphery of said crank and formed complementary to the grooves in the bearing race, a plate assembled over said short shaft of the crank and secured to said bearing for rotating the same to locate different grooves in the bearing race in registry with the crank groove and with apertures through the plate



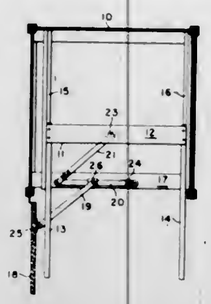
axially aligned with the grooves in the bearing race, a removable pin extending through an aperture in the plate and disposed in the aperture formed by registering a groove of the bearing race with the groove of the crank to lock the crank and bearing race together for rotation for different throws of the crank, and a lock pin extending through the removable pin and short shaft of the crank to lock the removable pin against axial movement.

2,583,865
BATHING SUIT
Evelyn McIlhinney, Ottawa, Ontario, Canada
Application August 25, 1948, Serial No. 46,130
14 Claims. (Cl. 2—67)



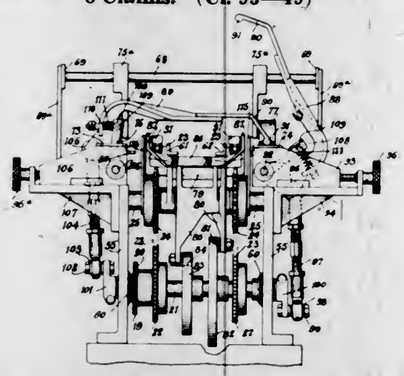
1. A bathing suit comprising a body-encircling band to lie just below the bust, a pair of breast cups mounted thereon, a U-shaped abdominal panel and crotch structure suspended from said band and an outer cover lower portion depending also from said body-encircling band; the abdominal panel of said U-shaped structure being of strong stretchable material.

for pivotal movement about a point near the rear thereof, means joining the remaining end of the other of said arms to said article of furniture for movement about a point near the front of said object, and an arm having one end pivotally secured to said door and its remaining end pivot-



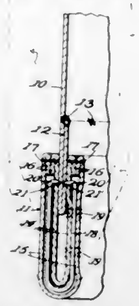
ally secured to a point intermediate the ends of said other arm of said pair, the sum of the lengths of said arms being greater than the maximum distance between the first two of said points and the junction of said pair of arms lying between the axis of rotation of said door and a line joining said first two points.

2,583,860
MACHINE FOR FOLDING CARTONS
David Levkoff, Great Neck, N. Y.
Application September 16, 1948, Serial No. 49,543
8 Claims. (Cl. 93—49)



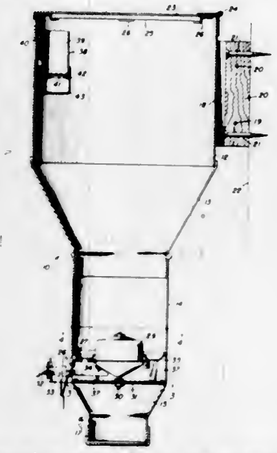
1. In a machine of the character described, means for supporting a carton stack, a chain conveyor for successively removing cartons from the bottom of the stack and carrying the same away from the stack, means for engaging each carton so removed from the stack and holding it for a predetermined period in a stationary position, pivoted tucking fingers located at each end of said carton-holding means, means for pivotally moving said pivoted tucking fingers, resiliently mounted plates carried by said fingers for engagement with the ends of the carton while the carton is held stationarily to fold said ends upwardly to erect position, and end portions on the fingers caused to enter into the erected carton and fold downwardly flaps on the ends of said carton and cause said flaps to be tucked into slits provided in the bottom portion of the carton, each finger folding down the flap at that end of the carton that is held in erect position by the resiliently-mounted plate of its companion finger.

2,583,861
CUFF ATTACHMENT FOR TROUSER LEGS
Herschal G. Lewallen, Anderson, Ind.
Application February 28, 1949, Serial No. 78,863
2 Claims. (Cl. 2—232)



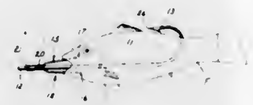
1. An attachment for pant leg bottoms, wherein the pant leg includes an inturned hem in the bottom zone and wherein the attachment is removably positioned to embrace both leg bottom and hem, such attachment comprising an annular element of two-ply formation with each ply having each of its free edge zones folded upon itself with the zones secured together by stitching with the folded portions in facial contact to thereby form a closed pocket between the plies, said element being folded upon itself to form a U-shape cross-section with the secured free edge zones of the plies forming the free end of the respective sides or upstanding legs of the U-shape cross-section formation, said element closed pocket containing a plurality of spaced supporting spring clips each extending into both legs of the U-shape cross-section formation and each being fixedly positioned relative to the ply formation by confining stitching positioned within the inner leg of the U-shape cross-section formation.

2,583,862
DISPENSING CONTAINER HAVING AN ELECTRICALLY VIBRATED SCREEN
Herbert A. Lichtenstein, Bangor, Maine
Application December 4, 1947, Serial No. 789,734
1 Claim. (Cl. 222—199)



In a dispensing container, the combination of a vertically elongated chamber provided at its lower end with an outlet neck, an electromagnet mounted centrally in said chamber and including a substantially vertical vibratory armature, a horizontally disposed vibratory screen provided in said chamber and secured substantially at the center thereof to the lower end of said armature, an annular separator trough positioned between said electromagnet and the side wall of said chamber in spaced relation above said screen, the bottom of said trough being formed with a plurality of passages, and a set of supporting legs provided on said trough and resting on said screen, whereby vibratory motion of the screen may be transmitted to said trough.

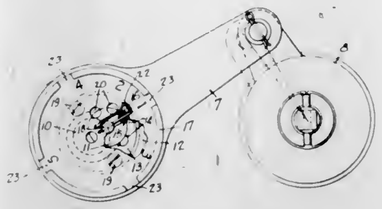
2,583,863
FISHHOOK
Kermit V. Lysen, Willmar, Minn.
Application May 21, 1947, Serial No. 749,405
3 Claims. (Cl. 43—44.8)



1. A fish hook comprising a suitable shank terminating at the rear end in a barbed point, said shank being of such length as to receive a minnow as bait thereon when the barbed end of the hook is threaded into the mouth of the minnow, through the body thereof and out through the rear back portion of the minnow, a pair of yieldable elongated bait holding members extending outwardly in opposite directions and from opposite sides of the shank and forming an angle facing the barbed end of the hook, said members being of such length as to extend only into the mouth of the minnow to engage with the top and bottom thereof and being disposed substantially in planes intersecting the plane of the barbed end of the hook, and said yieldable elongated bait holding members each have a terminal end extending outwardly therefrom at substantially a right angle to the adjacent portions of its respective bait holding member to cause them to engage the top and bottom of the mouth of the minnow with a gripping action, whereby the minnow is retained in a relatively fixed position upon the hook.

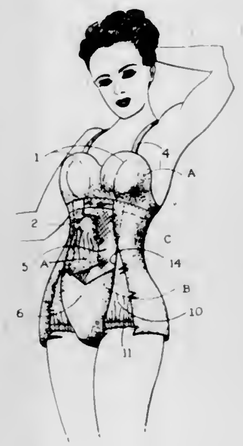
2,583,864
ADJUSTABLE ECCENTRIC
Philip C. Malmsten, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 12, 1946, Serial No. 676,268
1 Claim. (Cl. 74—571)

An eccentric for adjusting the length of stroke of a member connected at one end to a driven shaft and at the other end to a power driven transmission shaft to rotate the driven shaft therefrom, which comprises a crank extending axially from said transmission shaft in eccentric relation thereto and having a relatively short shaft extending axially therefrom, a bearing secured within the transmission end of said connecting member and having an offset crank opening in the inner race thereof to receive said crank and dispose the center of the bearing eccentric to the center of said crank, said inner race of the bearing having a plurality of semi-circular grooves extending longitudinally through the bearing surface thereof and circumferentially spaced from each other to dispose the same at different radial distances from the center of the bearing, a longitudinally extending groove provided in the outer periphery of said crank and formed complementary to the grooves in the bearing race, a plate assembled over said short shaft of the crank and secured to said bearing for rotating the same to locate different grooves in the bearing race in registry with the crank groove and with apertures through the plate



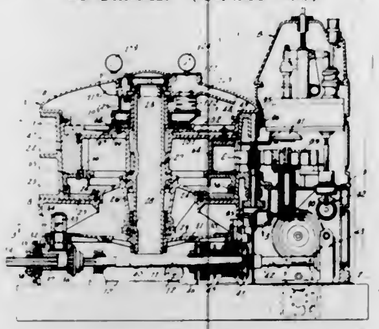
axially aligned with the grooves in the bearing race, a removable pin extending through an aperture in the plate and disposed in the aperture formed by registering a groove of the bearing race with the groove of the crank to lock the crank and bearing race together for rotation for different throws of the crank, and a lock pin extending through the removable pin and short shaft of the crank to lock the removable pin against axial movement.

2,583,865
BATHING SUIT
Evelyn McIlhinney, Ottawa, Ontario, Canada
Application August 25, 1948, Serial No. 46,130
14 Claims. (Cl. 2—67)



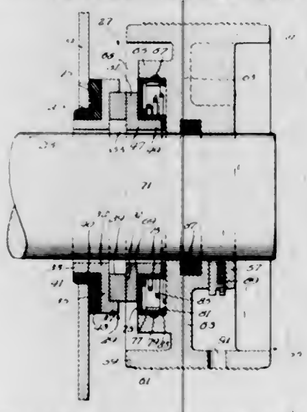
1. A bathing suit comprising a body-encircling band to lie just below the bust, a pair of breast cups mounted thereon, a U-shaped abdominal panel and crotch structure suspended from said band and an outer cover lower portion depending also from said body-encircling band; the abdominal panel of said U-shaped structure being of strong stretchable material.

2,583,866
APPARATUS FOR VACUUMIZING, GASSING, AND CLOSING CONTAINERS
Ralph M. Mero, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 15, 1947, Serial No. 774,074
18 Claims. (Cl. 226—82)



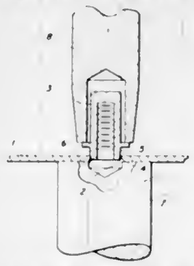
1. In apparatus of the character described, a vacuumizing apparatus including a casing and a peripherally pocketed rotor and means for drawing a vacuum in the rotor pockets and including a vacuum chamber formed in said casing, a closing apparatus including a casing providing a closing chamber, a rotary turret and means for closing cans in said closing chamber, means for transferring cans from the rotor pockets to the turret pockets, means for transferring closed cans from the turret pockets back into the rotor pockets, means for feeding filled cans into the rotor pockets, means for feeding closed cans out of the rotor pockets, means providing direct communication between the vacuum chamber and the closing chamber, means for directing an inert gas into the closing chamber, and means for closing off said direct communication between the closing chamber and the vacuum chamber, thereby to render the apparatus as a whole optionally adaptable for vacuumizing and closing cans or for vacuumizing, gassing and closing cans.

2,583,867
SHAFT SEAL
Walter W. Meyer, Arlington Heights, Ill., assignor to Rotary Seal Company, Chicago, Ill., a corporation of Illinois
Application May 4, 1945, Serial No. 592,033
7 Claims. (Cl. 286—11)



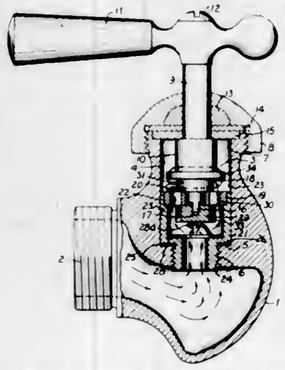
1. A seal for a turnable shaft extending in a wall opening affording a seal seat at the opening, comprising a wheel having a hub portion formed with an axial chamber for receiving the shaft and an annular shoulder concentric with and facing inwardly toward an open end of said chamber, means for securing the wheel on the shaft whereby the shaft may be turned by operation of the wheel, a seal ring having a sleeve-like portion, and resilient gasket means for sealing and supporting said ring on the said wheel, whereby said ring is adapted for application therewith to said shaft in position forming a running seal with said seal seat on the wall, said resilient gasket means comprising concentric circular flanges and an integral web portion interconnecting said circular flanges, one of said circular flanges being sized to sealingly engage within said annular shoulder of the wheel, and the other being sized to embrace and sealingly engage upon said sleeve-like portion of the seal ring.

2,583,868
RESISTANCE WELDED DOME NUT
Anthony Thaddeus A. Moclun, Manhattan Beach, Calif., assignor to North American Aviation, Inc.
Application August 22, 1949, Serial No. 111,599
7 Claims. (Cl. 219—10)



1. A method for attaching a metallic dome nut to a metallic pressure vessel in pressure tight relationship comprising press fitting the dome nut of fixed outside dimensions into a hole of similar but slightly smaller dimensions in the pressure vessel and passing a welding current through said press fit to fuse the metal around the circumference of said dome nut.

2,583,869
VALVE
Oscar P. Monson, Kenosha, Wis.
Application September 30, 1947, Serial No. 776,929
6 Claims. (Cl. 251—90)



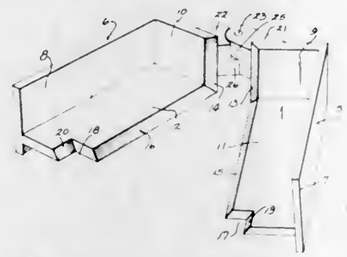
1. A valve for faucets and the like comprising a body having an outlet and a pressure inlet surrounded by a seat, a single spring means located upon said seat, a fixed valve plate spaced from said seat and having a port therein, a rotary closure member located between said spring means and said valve plate and adapted to control said port, said closure member having a central first female coupling element in the form of a recess exclusively on its side of the valve plate, said valve plate having a central opening for access to said first coupling element, said spring means reacting between said seat and centrally on the closure member, and a rotary valve stem having a second male coupling element insertable through said opening in the fixed valve plate adapted for loose and detachable operative engagement with said first female coupling element in the closure member at a region exclusively on the pressure side of the valve plate.

2,583,870
BREAD PAN
Ralph Le Roy Nafziger, Los Angeles, Calif.
Application March 14, 1950, Serial No. 149,523
1 Claim. (Cl. 220—4)



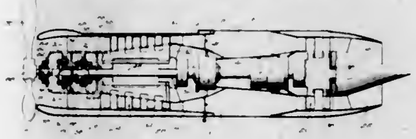
Bread pan means comprising a frame having two ends and two sides without top or bottom, said ends and sides being respectively parallel, a pair of separable flat plates of substantially the same dimensions and of an area substantially larger than the area of the frame whereby to provide margins on the plates extending beyond the frame when the plates and frame are respectively superposed, a first of said plates to provide a bottom for the frame in the initial position of the frame with a portion of dough therein to be proofed, without the second plate, and the second plate to provide first a top for said frame and later a bottom therefor when said frame is inverted, for baking the dough, said first plate being then removed, and a pair of lugs on oppositely directed faces of the plates, said lugs being located on said extended margins of the plates.

2,583,871
CARD SHUFFLING AID
Peter A. Napiecinski, Milwaukee, Wis.
Application February 3, 1950, Serial No. 142,205
7 Claims. (Cl. 273—149)



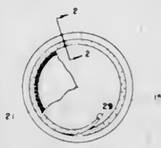
1. A card shuffling aid comprising a pair of trays having arms in hinged connection, each tray having a corresponding closed end from which its respective arm extends, the other end and proximate sides of the respective trays being open, the respective trays having side walls at their outer sides and being wholly open at their tops to permit two packs of cards to be shuffled together into the respective trays while the trays are angularly related, the trays being movable on the hinge to diverge therefrom toward the said other ends of the trays and being movable into substantial parallelism to increase the interleaving of the cards of such packs when the shuffling has been completed.

2,583,872
GAS TURBINE POWER PLANT, INCLUDING PLANETARY GEARING BETWEEN A COMPRESSOR, TURBINE, AND POWER CONSUMER
Philip P. Newcomb, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 2, 1947, Serial No. 765,743
8 Claims. (Cl. 60—108)



1. In a power plant, a turbine, a compressor driven by the turbine, and a power consumer also driven by the turbine in combination with a drive shaft connected to the turbine and extending axially through the compressor, a gear on said shaft, a fixed gear surrounding said first gear, a planet gear between said fixed gear and said first gear, a cage supporting said planet gear, a driving connection between the compressor and the planet cage, and means for driving the power consumer from said planet gear cage.

2,583,873
SEALING ELEMENT
Hayden Nichols, Salt Lake City, Utah
Application April 22, 1946, Serial No. 664,121
8 Claims. (Cl. 220—46)

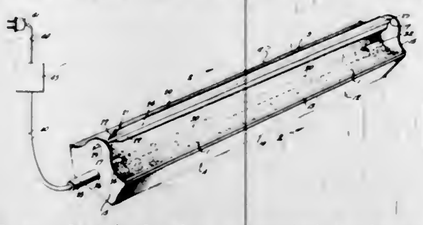


1. In a container of the type having a closure and a seal groove between the closure and container, the improvement which comprises, a longitudinally extensible and transversely contractible sealing element disposed in the groove and having transverse folds with adjacent surfaces in sealing contact, the folded surfaces being separable in response to a force acting longitudinally of the member when it is pulled to remove it from the groove.

2,583,874
POULTRY FEEDING DEVICE
Charles L. Niemann, Westboro, Mo.
Application September 22, 1950, Serial No. 186,281
2 Claims. (Cl. 119—51)

1. A poultry feeding device comprising an elongate trough having side and end walls defining a receptacle for containing feed, a substantially cylindrical tube lamp in said trough extending lengthwise approximately along the longitudinal middle of said trough with its top portion slightly below the normal feed level in said trough, means at each end of said trough

in operative engagement with each end of said tube for supporting said lamp within the trough,

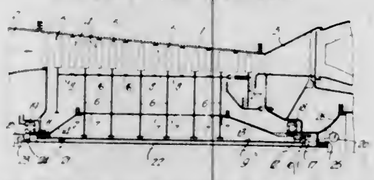


and an electrical wire connected to lamp for supplying electrical current to said lamp.

2,583,875
ROTOR FOR AXIAL FLOW ELASTIC FLUID COMPRESSORS OR TURBINES

Frans Eric Ossian Östmar, Finspong, Sweden, assignor to Svenska Turbinfabriks Aktiebolaget Ljungström, Finspong, Sweden, a Swedish joint-stock company

Application July 13, 1949, Serial No. 104,561
In Sweden September 22, 1948
1 Claim. (Cl. 230—122)



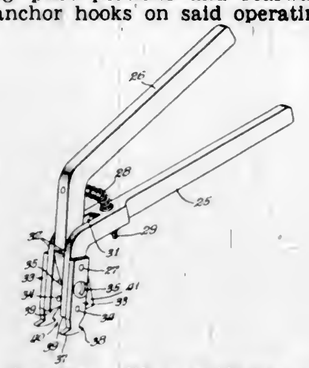
A multi-section rotor for elastic fluid machines of the axial flow type, comprising in combination, a set of axially spaced discs for constituting the sections of the rotor, concentric axial flanges located at a small diameter on said discs for abutting against each other in the assembled rotor so as to form a composite tubular shaft therefor, other concentric axial flanges provided at a greater diameter of the discs for effecting a rigid connection between adjacent discs, sleeve-shaped conical end portions connected at their wider ends to opposite ends of the tubular shaft formed by the said first-mentioned flanges, said conical portions being shaped at their smaller ends as journals a tubular bolt extending centrally through said tubular shaft and associated journals, abutments on one end of said bolt for engaging with one of said journals and a screw-thread at the other end of said bolt for engaging with the other journal for allowing jamming of the set of discs by turning the bolt, another bolt extending centrally through said first-mentioned bolt, abutments on one end of said other bolt for engaging with one of said journals, a connecting member having a screw-threaded portion, the other end of said other bolt having a screw-threaded portion for engaging said connecting member, and the said abutments of the bolts being provided at opposite ends of the rotor structure in order to prevent interference with one another.

2,583,876
HAND TOOL

John E. Penkauskas, Grand Rapids, Mich., assignor to A M I Incorporated, Grand Rapids, Mich., a corporation of Michigan

Application October 10, 1950, Serial No. 189,363
4 Claims. (Cl. 29—268)

4. A hand tool comprising, in combination, a hand grip with a bifurcated operating end terminating in an open pocket having magnetic means to retain a clip therein, with forwardly projecting pilot portions and rearwardly projecting anchor hooks on said operating end of

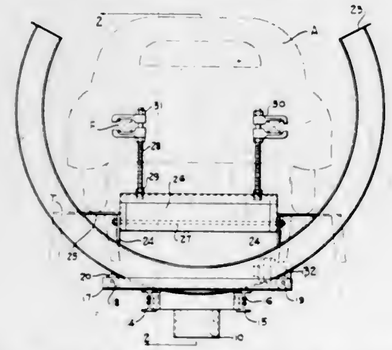


the tool, together with a shiftable driver and manually operable means to move said driver through said pocket to engage a clip therein and force it therefrom.

2,583,877
AUTOMOBILE HOIST AND POSITIONER

Henry L. Peyron, Inglewood, Calif.

Application April 4, 1947, Serial No. 739,477
7 Claims. (Cl. 214—1)



1. A device of the class described comprising a supporting means having spaced pairs of rollers, an arcuate member mounted for rolling movement on each pair, means for rotating at least some of the rollers to roll the arcuate members about their respective centers of curvature, and means on the arcuate members swingable to an erect position to provide rigid supports, said swingable means being fastenable to the frame of the vehicle for supporting the vehicle free and clear of the rest of the device, said swingable means being movable with movement of the arcuate members.

2,583,878
METAL AWNING

Lawrence J. Plym, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan

Application February 9, 1946, Serial No. 646,653
4 Claims. (Cl. 160—235)

3. In a metal awning, a flexible curtain comprising a plurality of relatively narrow, thin sheet metal slats disposed in generally parallel side-by-side relationship with each other; hinge means connecting the adjacent edges of adjoining slats and consisting of a rolled bead portion on each edge of each of the slats in loose hinging engagement with a mating rolled bead portion on the adjacent edge of another of said slats, together with interlocking means for preventing relative longitudinal movement of adjacent slats and limiting the hinging movement thereof; said interlocking means consisting of a recess in the

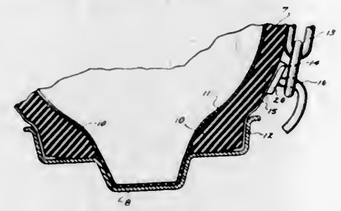


bead portion on one of the edges of each of said slats, and abutment integral with the mating bead portion of another of said slats and extending into said recess; said abutment engaging the ends of said recess and preventing relative longitudinal movement between the slats, and engaging a side of said recess to limit the relative hinging movement between said slats.

2,583,879
ANTISKID CHAIN

Herbert H. Pohl, Minneapolis, Minn.

Application October 11, 1948, Serial No. 53,931
4 Claims. (Cl. 152—233)



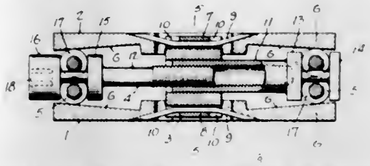
1. An anti-skid device for a rim mounted tire comprising a tread member extending transversely about the exterior of the tire and having a link element at one of its ends, means for securing the tread member in position including an anchor plate retained between the tire and rim and extending along the exposed wall of the tire adjacent the rim, a hook member for releasably securing said link element of the tread member, a head formed on said hook member adapted to be maintained between said anchor plate and the tire, said hook having a shank portion pivotally mounted in the extended portion of the anchor plate for rotation about an axis that is substantially normal with respect to the adjacent transverse curvature of the tire whereby the link will exert a pull on the hook in a generally right angular direction to said axis when the hook is in tread member holding position, and means responsive to pulling stress by the tread member for releasably securing the hook in such holding position.

2,583,880
CLAMP

Lewis W. Premo, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin

Application January 7, 1946, Serial No. 639,619
4 Claims. (Cl. 189—36)

1. A clamp of the class described comprising a cam block having its opposite ends tapered longitudinally to provide opposed cam surfaces on its inner surface, a corresponding block extending substantially parallel to said cam block and facing said cam surfaces, means securing said blocks in spaced superimposed relation subject to relative movement of the blocks toward and away from each other to effect clamping operations, a pair of solid double rollers disposed between said blocks at each end thereof in engagement with the corresponding inner surfaces of

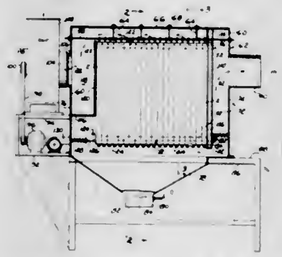


the blocks and with each other to determine the space between the blocks, abutment means ahead and behind each set of rollers to retain the rollers in superimposed relation and in adjusted position longitudinally of the blocks, and means to adjust the position of each abutment means and the corresponding set of rollers longitudinally of the blocks to determine the separation of the blocks.

2,583,881
DUST COLLECTOR

James William Rasmussen, Los Angeles, Calif.

Application March 30, 1946, Serial No. 658,481
1 Claim. (Cl. 183—59)



A dust collector comprising a housing, an inlet, baffle means in said housing for diverting downwardly the dust laden air flowing through said inlet, frame members in said housing each consisting of two upright U-shaped support members, an inverted U-shaped support member fixed therebetween and a screen extending from the lower cross bar of said upright U members to cover the upper bar of said inverted U members; said frames being hingedly and independently suspended in horizontal alignment and in close contact to form an assembly having a first set of pockets open at the bottom and a second set of pockets opening upwardly with said screens interposed between the two sets of pockets; a blower for moving dust laden air through said assembly, a vibrator for shaking said assembly to dislodge filtered material from said screens and a reservoir beneath said assembly for collecting said material.

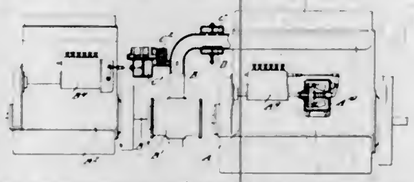
2,583,882
SUPERCHARGED INTERNAL-COMBUSTION ENGINE

Harry Ralph Ricardo, London, England, assignor to Ricardo & Co. Engineers (1927) Limited, London, England, a company of Great Britain

Application June 22, 1948, Serial No. 34,416
In Great Britain June 23, 1947
8 Claims. (Cl. 123—119)

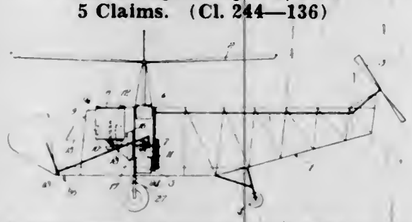
1. A power plant including in combination a main internal combustion engine of the liquid fuel injection compression ignition type, a super-

charging unit for the internal combustion engine comprising an air compressor or blower and means independent of the internal combustion engine for driving the air compressor, an air duct by which the supercharging air is delivered from the supercharging unit to the engine, the maximum capacity of the supercharging unit in relation to the capacity and speed range of the internal combustion engine being such that the supercharging unit can maintain a predeter-



mined maximum supercharging pressure of not less than 1½ atmospheres absolute only up to engine speeds of not more than approximately half maximum engine speed, and means for maintaining the supercharging pressure at such constant predetermined maximum irrespective of the load on the engine at all times when the engine speed is within the range over which the supercharging unit can maintain such maximum supercharging pressure.

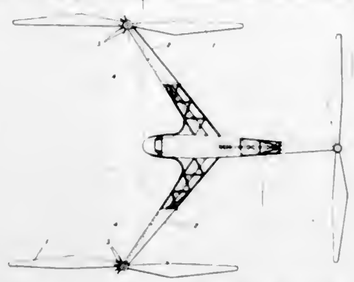
2,583,883
MEANS FOR AERIAL SPRAYING
Walter Eugene Ripper, Ravenstone, Harston, England, assignor to Pest Control Limited, Harston, England, a British company
Application January 18, 1947, Serial No. 722,945
In Great Britain April 8, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires April 8, 1963
5 Claims. (Cl. 244—136)



1. A helicopter adapted for the efficient spraying of insecticides and the like which comprises the combination of a fuselage, a bladed lifting rotor affixed thereto and rotatable about a vertical axis to lift the helicopter, a container for material to be sprayed mounted on said fuselage, a conduit connected with said container terminating in discharge-means mounted on said fuselage and located below said rotor radially outwardly from the axis of rotation thereof approximately half the length of the blades of said rotor, and means for regulating the rate of discharge of material through said discharge means.

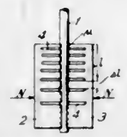
2,583,884
MEANS FOR AERIAL SPRAYING
Walter Eugene Ripper, Harston, and Arthur Kennedy Dorman, Sawston, England, assignors to Pest Control Limited, Harston, England, a British company
Application January 18, 1947, Serial No. 722,944
In Great Britain January 30, 1946
3 Claims. (Cl. 244—136)

1. A helicopter adapted for the efficient spraying of insecticides and the like which comprises the combination of a fuselage having a frontal nose portion, outriggers connected to said fuselage and extending outwardly and forwardly thereof, lifting rotors carried at the end of said



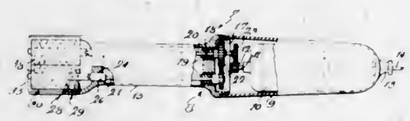
outriggers rotating on vertical shafts passing through vertical rotor-hubs, and spray-discharge means below said rotors attached to and radiating outwardly from said hubs to a locus forwardly of said nose portion.

2,583,885
GRIPPING MEANS FOR SPECIMENS IN PULSATING TESTING MACHINES
Max Russenberger, Schaffhausen, Switzerland, assignor to Alfred J. Amsler & Co., Schaffhausen, Switzerland
Application November 26, 1947, Serial No. 788,134
In Switzerland July 1, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 1, 1964
5 Claims. (Cl. 73—103)



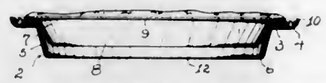
1. In a fatigue strength testing machine of the class described, means for gripping the ends of a specimen, said means including at least two jaws provided with a gripping surface shaped to accurately fit to the specimen, each of said jaws being provided with a series of successively arranged unequally spaced slots extending from said gripping surface into the body of the jaw to thereby provide said jaws with a plurality of resilient fingers having various degrees of stiffness.

2,583,886
POWER-DRIVEN TOOTHBRUSH WITH DEMOUNTABLY SUPPORTED ROTARY BRUSHES
Alvin J. Schlegel, Wichita, Kans.
Application October 17, 1947, Serial No. 780,375
1 Claim. (Cl. 15—23)



A rotary toothbrush comprising a housing including an elongated shank portion, a pair of shafts extending longitudinally through and journaled in the shank portion, means driving said shafts in opposite directions, a head forming an end of the housing and projecting from one end of the shank portion and into which corresponding ends of the shafts extend, said head having an open top and including a demountable section and a section formed integral with the shank portion, each of said head sections including a bottom and upwardly extending outwardly bowed side walls, said demountable section having an outer end provided with an integral end wall having laterally spaced bearing openings and an open opposite inner end, said integral head section having an inner end closed by said end of the shank portion and having an open outer end through which the demountable head section is inserted into or removed from the integral head section, a pair of rotary brushes disposed in the demountable head section each including a shaft, corresponding ends of said brush shafts being journaled in said bearing openings for supporting and journaling the rotary brushes in the demountable head section, said side walls of the head sections being resilient, the side walls of the demountable head section having outwardly projecting studs, the side walls of the integral head section having openings to receive the studs for detachably latching the demountable head section in the integral head section, said first mentioned shafts and said brush shafts having adjacent ends provided with interengaging tongue and groove means for keying the first mentioned shafts to the brush shafts, said demountable head section being insertable into and removable from the integral head section in directions longitudinally of the shank portion for coupling and uncoupling the first mentioned shafts and the brush shafts, and said interengaging studs and openings of the side walls latching the head sections together and the first mentioned shafts and last mentioned shafts in coupled engagement, the outer end of the demountable head section forming the outer end of said head.

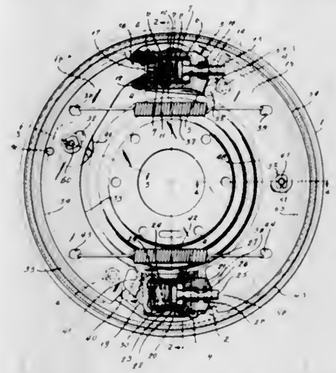
2,583,887
PIEPAN SUPPORT
Peter Schneeweiss, Cleveland, Ohio
Application March 14, 1949, Serial No. 81,327
1 Claim. (Cl. 126—385)



As an article of manufacture a pie pan support embodying a substantially ring-shaped body having a continuous, flat horizontally arranged rim flange, an integral, vertically elongated, continuous inwardly inclined, annular supporting wall extended downwardly from the inner edge of said rim flange adapted to suspend a pie pan, a flat, continuous, integral circumferential flange extended inwardly from the bottom of said wall, and an integral, continuous annular trough extended outwardly from the outer edge of the said flat rim flange circumferentially thereof.

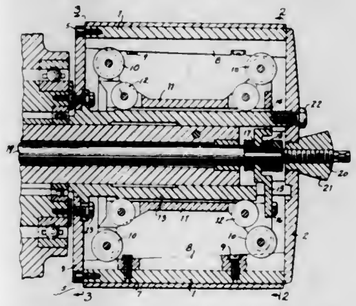
2,583,888
BRAKING MECHANISM
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application April 3, 1950, Serial No. 153,595
3 Claims. (Cl. 188—152)

1. A brake mechanism comprising a backing plate, a brake drum, a pair of brake shoes slidably mounted on said backing plate and adapted for engagement with said brake drum, a pair of fluid motors secured to said backing plate, one of said motors being located between the adjoining ends of each of said shoes for moving said shoes into engagement with said drum, an abutment integral with each of said motors and having a surface thereon extending radially of the center of said backing plate and brake drum and with which one end of each of said shoes engages,



means adjustably mounted on one of said motors and having a surface thereon extending radially of the center of said backing plate and brake drum with which the other end of one of said shoes engages for adjusting said shoe relative to said backing plate; and means for disengaging said shoes from said brake drum.

2,583,889
EXPANSIBLE PRINTING CYLINDER FOR ROTARY MULTICOLOR PRINTING
Pancras Johannes Schoonenberg, Eindhoven, Netherlands
Application April 29, 1950, Serial No. 158,955
In the Netherlands February 17, 1948
3 Claims. (Cl. 101—375)



1. A printing cylinder for a multi-color printing press comprising a resilient cylinder surface; support means for said cylinder surface including a central axial member and two end plates mounted thereon; a slidable member mounted on said central axial member; longitudinal inclined surfaces arranged symmetrically around the inner periphery of the cylinder surface; means mounted on said slidable member for engaging said inclined surface; a central spindle mounted threadedly in said cylinder and in operative connection with said slidable member; external means for rotating said spindle to displace the slidable member axially whereby said means for engaging the inclined surface is operated and the cylinder surface is radially expanded equally in all directions; and an expansible printing plate mounted on the cylinder surface.

2,583,890
QUANTITATIVE DETERMINATION OF METALS
Gerold Schwarzenbach, Zurich, Switzerland, assignor to Chemische Fabrik Uetikon (Uetikon Chemical Company), Uetikon, Switzerland, a firm of Switzerland
No Drawing. Application April 8, 1946, Serial No. 660,408. In Switzerland May 2, 1945
12 Claims. (Cl. 23—230)

1. A method of volumetrically determining metal cations in solution which comprises titrating a measured amount of the solution with a solution containing a known concentration of an amino polycarboxylic acid compound, said compound having in relation to one basic nitrogen atom more than one carboxymethyl group directly attached thereto, until an end-point detectable by suitable indicating means is reached, said end-point being the point where all of the aforesaid metal cations are united with the anions of the amino polycarboxylic acid compound to form a complex ion thereof, the amount of amino polycarboxylic acid compound being a direct measure of the aforesaid metal cations present in solution.

2,583,891
QUANTITATIVE DETERMINATION OF METALS
Gerold Schwarzenbach, Zurich, Switzerland, assignor to Chemische Fabrik Uetikon (Uetikon Chemical Company), Uetikon, Switzerland, a firm
No Drawing. Original application April 8, 1946, Serial No. 660,408. Divided and this application November 13, 1950, Serial No. 195,473. In Switzerland May 2, 1945
10 Claims. (Cl. 23—230)

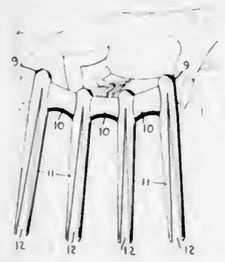
1. A method of volumetrically determining metal cations in solution which comprises mixing a measured volume of the solution containing the metal cations and a solution containing an amino polycarboxylic acid compound in at least an amount sufficient to sequester all of the aforesaid metal cations, said compound having in relation to one basic nitrogen atom more than one carboxymethyl group directly attached thereto, the pH value of both solutions having been previously adjusted to the same level, titrating the resultant solution mixture with an alkaline solution of known strength in sufficient amount to restore the pH value of the resultant solution mixture to that of the original solutions immediately prior to the mixing thereof, the amount of alkaline solution being a direct measure of the amount of the aforesaid metal cations present in the original solution.

2,583,892
HYSTERECTOMY FORCEPS
Michael Shellhouse, Gary, Ind.
Application December 26, 1950, Serial No. 202,670
5 Claims. (Cl. 128—321)



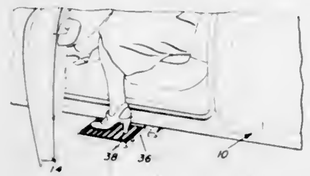
5. Hysterectomy forceps for in toto removal of the human uterus and cervix by excision comprising a pair of crossed pivotally connected levers having handles and reach arms, and means on the reach arms for closing, holding, and manipulating the cervix in a manner to establish a predetermined position of the cervix preparatory to making the incision with a scalpel, to reduce the operative time and without serious injury to related anatomical structures, said means being in the form of clamping jaws having beaded straight edges to assist the surgeon in feeling the exact locale of the jaws, and to mark the exact area of incision and to shield the path of movement of the scalpel so that the latter will steer clear of vulnerable ureters and adjacent anatomy.

2,583,893
CLAMP COMB
Joseph E. Shrosbree, Milwaukee, Wis.
Application April 16, 1949, Serial No. 87,983
7 Claims. (Cl. 132—21)



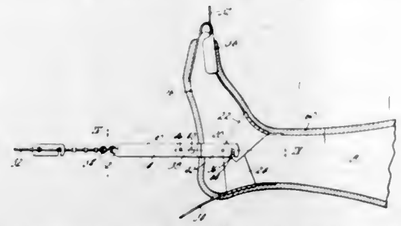
1. In a clamp comb the combination of a flexible back with bifurcated teeth extending from the back and lying in a single plane, said back being arcuately shaped in the same plane as said teeth and being convex in the direction in which said teeth extend, the bifurcations of adjacent teeth being normally in contiguous parallelism.

2,583,894
AUTOMATIC DOOR MAT FOR AUTOMOBILES
James L. Shuck, Corydon, Ind.
Application June 5, 1950, Serial No. 166,107
1 Claim. (Cl. 280—166)



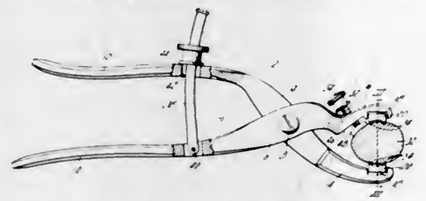
In a vehicle which includes a frame and a door, an attachment comprising a step, means attached to the frame for supporting said step, a spring carried by said means constantly urging said step outwardly of said means, a latch releasably holding said step inwardly of said means, and an operator secured to the door and engageable with said step to displace the step inwardly of said means when the door is closed, said means including a pair of sleeves, a bracket secured to said sleeves holding said sleeves in parallel spaced relation, tubes secured to said step and slidably disposed on said sleeves, collars fixed to said sleeves, and resilient bushings in said collar forming stops for the inner ends of said tubes.

2,583,895
FOOT TRACTION HITCH
John R. Siebrandt, Kansas City, Mo.; Elizabeth Siebrandt, executrix of said John R. Siebrandt, deceased, assignor, by mesne assignments, to Siebrandt, Inc., Kansas City, Mo., a corporation of Missouri
Application November 15, 1948, Serial No. 60,009
4 Claims. (Cl. 128—83)



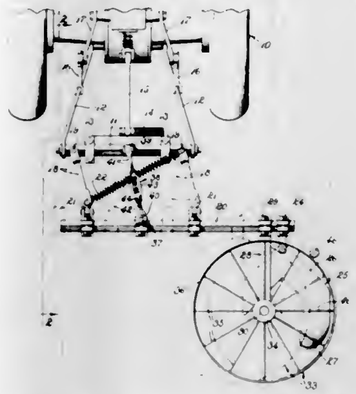
1. A traction hitch for applying traction to a fractured leg as a cast is applied thereto comprising a frame member having substantially parallel arms adapted to extend closely adjacent the sides of the foot and substantially in alignment with the leg, a strap retaining arm secured to each of said frame arms and having a portion disposed in parallel, spaced relation from the end portion of said frame arm, a pair of pliable traction straps each comprising a pair of separable sections adapted to pass respectively over the dorsum and behind the heel and secured at their ends between said frame arms and the associated retainer arms, members releasably connecting the sections of said straps, whereby traction may be applied to said leg through said frame and whereby a plaster cast may be formed about said foot and leg over said straps and with said frame arms extending outwardly from said cast, said connecting members being operable from outside of said cast to separate said strap sections whereby said frame may be withdrawn from said cast, each of said frame arms and its associated retainer arm providing a window in said cast through which said straps are drawn.

2,583,896
BONE CLAMP
John R. Siebrandt, deceased, late of Kansas City, Mo., by Elizabeth Siebrandt, executrix, Kansas City, Mo., assignor to Siebrandt, Inc., Kansas City, Mo., a corporation of Missouri
Application September 6, 1949, Serial No. 114,210
6 Claims. (Cl. 128—346)



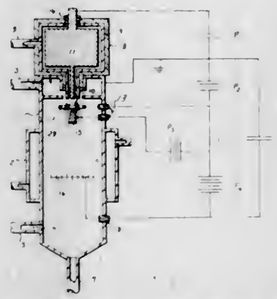
1. A bone clamp comprising a pair of elongated body members pivotally connected intermediate their ends, the adjacent end portions of said body members respectively forming hand grips and jaw members, an elongated clamp bar secured transversely to each of said jaw members, said clamp bars being adapted to grip a bone therebetween and to bridge a fracture in said bone, and a set screw carried by one of said jaw members and adjustable to hold a plate firmly against said bone.

2,583,897
AUTOMATIC VINEYARD CULTIVATOR
Roy W. Smeds, Reedley, Calif.
Application July 3, 1950, Serial No. 171,786
4 Claims. (Cl. 97—137)



1. In an earth traversing vineyard cultivator the combination of an earth working tool adapted appreciably to elevate earth encountered during earth traversing movement, and a circular guard mounted for horizontal rotational movement above the earth working tool having a peripheral portion located in advance of said tool, the guard being positioned relative to the tool for eccentric contact thereof by earth elevated by the tool.

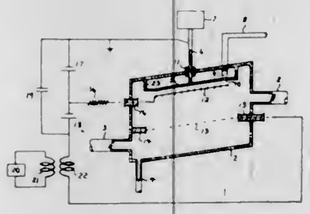
2,583,898
VAPOR PHASE ELECTROCHEMICAL PROCESS
Lester H. Smith, Maplewood, N. J.
Application June 21, 1948, Serial No. 34,300
23 Claims. (Cl. 204—164)



1. The method of reacting liquid and gaseous substances comprising providing a reaction zone with an emitting electrode arrangement, an intermediate electrode and a collecting electrode; passing said gaseous substances to be reacted through said zone while projecting electrically charged spray particles of said liquid substance from said emitting electrode arrangement toward said intermediate electrode and said collecting electrode respectively; maintaining said intermediate electrode and collecting electrode at unidirectional electric potential differences relative to emitting electrode arrangement potential which potential differences promote the electrical charging of said spray particles and progressively increase along the path of said electrically charged spray particles, said potential differences between said electrodes being limited to values such that direct interelectrode discharging does not take

place; gasifying said electrically charged liquid spray particles in space in the absence of high frequency electric fields by absorbing heat from said reaction zone to produce ionized gas and to bring about a chemical reaction with said gaseous substances; concurrently causing a drift through said reaction zone of said electrically charged liquid spray particles, gas ions and electrically charged reaction products towards said collecting electrode and withdrawing the reaction products from said zone.

2,583,899
ELECTROCHEMICAL PROCESS
Lester H. Smith, Maplewood, N. J.
Application November 29, 1950, Serial No. 198,081
9 Claims. (Cl. 204—164)



1. A method of reacting a liquid and gaseous substances comprising providing a reaction zone with an emitting electrode, an intermediate electrode and a collecting electrode; passing said gaseous substances to be reacted through said zone while projecting electrically charged spray particles of said liquid substance from said emitting electrode toward said intermediate electrode and said collecting electrode respectively; maintaining said intermediate electrode and collecting electrode at unidirectional electric potential differences relative to emitting electrode potential which potential differences progressively increase along the path of said electrically charged spray particles, said unidirectional potential differences between said electrodes being limited to values such that direct interelectrode unidirectional current discharging does not take place; subjecting said gaseous substances and electrically charged spray particles of said liquid substance to a high frequency electric field having a frequency above about 50,000 cycles per second; gasifying said electrically charged spray particles of said liquid substance to produce ionized gas and concurrently causing a drift through said reaction zone of said electrically charged liquid spray particles, gas ions and electrically charged reaction products towards said collecting electrode and withdrawing the reaction products from said zone.

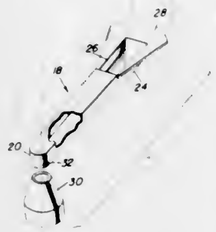
2,583,900
TOBACCO PIPE
Thomas E. Spence, Madison, Wis.
Application November 22, 1946, Serial No. 711,526
8 Claims. (Cl. 131—225)

1. A tobacco pipe comprising a bowl section and a bit section and means resiliently flexibly connecting said sections, said means comprising inner and outer springs, said sections having smoke conduit means between which the inner spring provides communication and external surfaces between which the outer spring extends, said springs comprising convolutions normally mutually in contact but separable by the bend-



ing of said springs for the cleaning of the interior of the inner spring, said springs being adapted resiliently to resume their original position with their convolutions in mutual contact when released from bending position.

2,583,901
HARDWARE INSULATOR FOR VEHICLES
Calvin C. Talley, Levelland, Tex.
Application June 30, 1950, Serial No. 171,257
1 Claim. (Cl. 150—52)

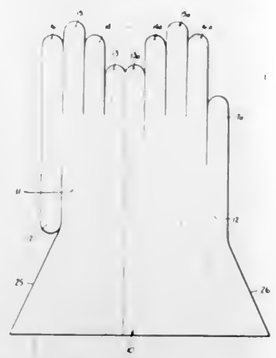


In an automotive vehicle including a window crank arm having a knob at one end, said arm being curved at the other end and journaled in a fixture attached to the inner wall of the vehicle; an electric shock resistor comprising a tubular resilient shield of insulating material positioned on said arm, said shield conforming substantially to the shape and dimensions of said arm and knob and including an enlarged sectoral-shaped extension covering a substantial portion of said fixture.

2,583,902
GLOVE
Fred Tatar, Gloversville, N. Y.
Application April 7, 1948, Serial No. 19,499
4 Claims. (Cl. 2—159)

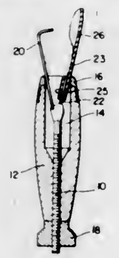
1. A glove of the character described comprising palm and back portions, said palm portion comprising a palm flap and a thumb flap, the outer side edge of said palm flap being integral and continuous with one side edge of said glove back portion, the outer edge of said thumb flap being integral and continuous with the other side edge of said glove back portion, front finger portions which are respectively integral and continuous with said palm flap, back finger portions which are respectively integral and continuous with said glove back portion, a back thumb portion which is

integral and continuous with said palm flap, a gore formed from a diamond-shaped blank, the upper side edges of said gore being respectively joined to the respective inner edges of said thumb



flap and said back thumb portion, the lower side edges of said gore being respectively joined to the respective inner edges of said palm flap and said thumb flap.

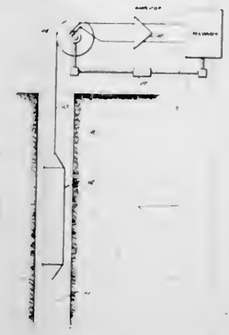
2,583,903
DENTAL CLAMP
Lenore M. Taylor, Seattle, Wash.
Application May 15, 1950, Serial No. 162,084
5 Claims. (Cl. 32—63)



1. A dental clamp, comprising: a link having at one end a tray to lie against a tooth being filled; jaw means joined to said link adjacent said tray and including a pair of claws, each directed toward said tray and shaped to enter the intermaxillary space at a side of a tooth being filled; means resiliently urging said tray and claws apart; a collet sleeve having a socket partially enclosing said jaw means and tray and movable on said link; and means cooperable with said link for imparting pressure on the sleeve to move the same and its socket to compress the tray and jaw means into clamping engagement about a tooth being filled.

2,583,904
METHOD FOR NEUTRON WELL LOGGING
Jean M. Thayer, Gilbert Swift, and Robert E. Fearon, Tulsa, Okla., assignors to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Original application July 10, 1948, Serial No. 38,138. Divided and this application May 19, 1950, Serial No. 168,921
1 Claim. (Cl. 250—83.6)

A method of determining the proper strength of a neutron source that is adapted for use in neutron well logging with a given detector spaced at a given distance therefrom that comprises making two neutron logs in the same well in succession with a source having a known strength, from the logs so made determining the



ratio of the magnitudes of the random transitions and the transitions occasioned by changes in formations within the well, changing the neutron source for one which will make said ratio at least 1 to 3, and making a neutron log of any similar well with the new source of neutrons.

2,583,905
PARACHUTE PACK AND CONTAINER
Charles E. Thompson, Great Falls, Mont., assignor, by mesne assignments, to Pacific Parachute Company, Inc., a corporation
Application August 25, 1949, Serial No. 112,213
4 Claims. (Cl. 244—148)

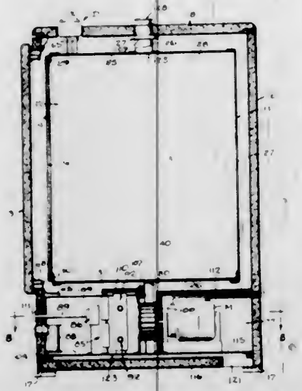


1. A parachute comprising a canopy having a variable vent opening, a reinforced collar bounding said opening, a series of non-yielding suspension lines secured to said collar and extending across said vent opening for limiting its maximum flow capacity, and yielding means operatively associated with said collar for normally holding said opening to a minimum flow capacity throughout a substantial range of decelerating force, said means being adapted to yield upon a predetermined increase of such force to increase the flow capacity of said vent opening, and by recoil, to again restrict said opening to reduce its flow capacity as the decelerating force increases.

2,583,906
CONSTANT TEMPERATURE CABINET
Walter Van Guilder, River Forest, Ill., assignor to Precision Scientific Co., Chicago, Ill., a corporation of Illinois
Application January 13, 1948, Serial No. 1,946
12 Claims. (Cl. 257—3)

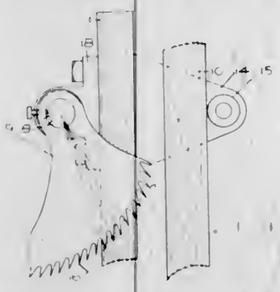
6. In a constant temperature cabinet, in combination, a generally rectangular shell of heat conducting material defining a working chamber, means cooperating with the walls of said shell to form a continuous air passage extending around the shell, a partitioning member extending across said passage and having a restricted opening, blower means disposed at one side of said partitioning member for circulating air through said

opening and said passage, a heating unit disposed at the other side of said partitioning member and positioned to heat the circulating air, a cooling coil disposed at said other side of the partitioning member for cooling the circulating air, and a



thermostat adapted to control the operation of said heating unit, said thermostat being located so that the air impinges upon it after circulating through said passage but before it reaches said heating unit or said cooling coil.

2,583,907
SAFETY DOG FOR ELEVATORS AND MINE CAGES
George Vaydo, Princeton, British Columbia, Canada
Application February 3, 1950, Serial No. 142,123
In Canada February 4, 1949
2 Claims. (Cl. 187—86)



1. A safety dog for mine cages or the like mounted for operation in relation to a wooden safety rail, said dog comprising a solid body providing a series of teeth on the working face of the body, said teeth angling rearwardly both ways from a medial line on the working face of said body and adapted for discharge laterally on both sides of the dog.

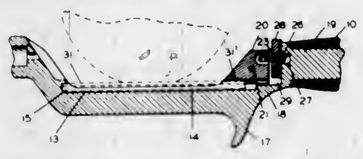
2,583,908
BRUSH FERRULE
Frederick M. Vonnegut, San Bruno, Calif.
Application April 29, 1946, Serial No. 665,738
8 Claims. (Cl. 15—191)

1. In combination, a brush ferrule comprising an elongated cup having sides and a base, a pair of spaced plates extending from the base, a flange on each plate, a handle having a head portion, and grooves in the head portion receiving the flanges of the plates, said plates being unconnected at their ends to allow for an endwise



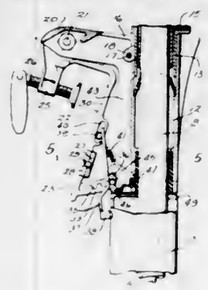
insertion of the head portion of the handle between said plates.

2,583,909
FISHING ROD HANDLE
William C. Warth, Milwaukee, Wis.
Application September 30, 1949, Serial No. 118,950
4 Claims. (Cl. 43—22)



1. The combination with a fishing rod handle comprising, a reel support having a rod receiving socket at its forward end and a hand grip at its rearward end, a reel seat disposed intermediate said ends, a recessed metallic shoulder adjacent said hand grip end and integral with said reel seat, said reel seat having a recess at the forward end and a wedge clamp element pivotally mounted at the rear end, a screw element having one end hingedly mounted in said wedge lock and having its other end freely movable in said recessed metallic shoulder, a rotating member threadedly mounted on said screw for moving said screw in a substantially longitudinal direction.

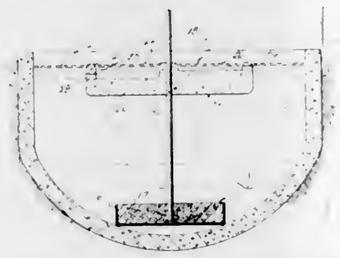
2,583,910
OUTBOARD MOTOR THRUST AND TILT LOCK ADJUSTMENT
Lucius D. Watkins, Milwaukee, Wis., assignor to Outboard, Marine & Manufacturing Company, Waukegan, Ill., a corporation of Delaware
Application March 4, 1948, Serial No. 13,036
9 Claims. (Cl. 248—4)



1. In an outboard motor, the combination with transom bracket means including articulating

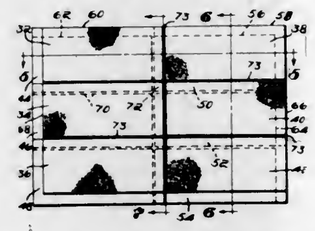
means, of a propelling assembly mounted on said articulating means and tiltable thereon to and from operative propelling position, and a thrust element defining said position and adapted to receive the thrust of said assembly, the said bracket means providing surfaces defining a plurality of positions for said element, the said surfaces comprising notches at laterally spaced points on the bracket means and the element having spaced portions engaged in corresponding notches and being adjustable by disengaging it from one pair of notches and engaging it in another pair thereof, and a guide element separate from said assembly and connected with the thrust element for maintaining the connection of the thrust element with the bracket while accommodating the adjustment aforesaid, the said bracket means having ways in which the guide element is confined for limited movement in the course of adjustment of the thrust element.

2,583,911
FLOATING BIRDBATH
James F. Webster, Lafayette, Ind.
Application October 20, 1950, Serial No. 191,125
3 Claims. (Cl. 119—1)



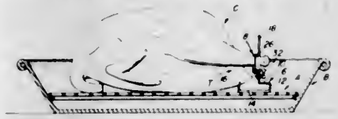
1. A bird bath comprising a weighted base and a tray including a bottom and upstanding walls secured to said bottom and fabricated of a buoyant material arranged in spaced relation with respect to the base and connected to said base for movement toward and away from the latter, the upstanding wall of said tray being provided with an opening adjacent to and spaced from the upper end for ingress of water therethrough.

2,583,912
BUILDING BLOCK
Karl E. Weiss, Arlington, Mass.
Application September 20, 1949, Serial No. 116,742
7 Claims. (Cl. 250—108)



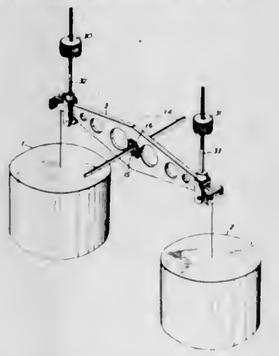
1. A wall for preventing the passage of X-rays therethrough, comprising a plurality of substantially identical rectangular lead sheets, said sheets being generally in the same plane and arranged in horizontal rows with their vertical edges overlapping and with their horizontal edges overlapping and with each corner being overlapped by portions of at least two other adjacent sheets, a plurality of cementitious blocks, at least one block adhesively secured to each sheet, the engaging surface area of each said block being smaller than the area of said sheet, said blocks being secured to said sheets in uniform positions on the same side of said sheets in which positions each said block will support all of each sheet except the border area along two adjacent sides and the three corners included in said border area, each supported corner area being overlapped by at least one unsupported corner area of the next sheet in the same horizontal row and a supported area of a third sheet in the next adjacent horizontal row.

2,583,913
POULTRY SHACKLING DEVICE
Michael A. Weiterschan, Broadalbin, N. Y., assignor of one-half to Mabel Weiterschan, Broadalbin, N. Y.
Application September 13, 1950, Serial No. 184,643
1 Claim. (Cl. 99—426)



A poultry shackling appliance of the class shown and described comprising a base unit including a U-shaped portion, one limb being extended and terminating in upstanding pointed prongs, the other limb being provided with an upstanding portion which is longitudinally slotted and provides an upright, a slide unit, said slide unit having a shoe superimposed against and slidable on the slotted upright, bolt and nut means carried by said shoe and operable in the slot in said upright, a U-shaped member having a bight portion attached to and carried by the shoe, said U-shaped member having arms whose free ends are formed with return bends defining complemental leg shackling hooks, said shoe being provided with a lateral detent, said detent being slidable in the slot in said upright.

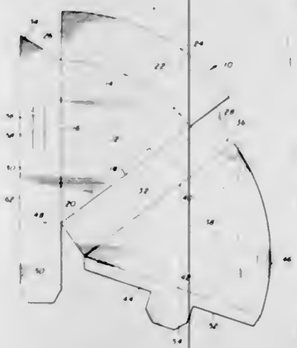
2,583,914
DIFFERENTIAL MANOMETER
Alfred Whitaker, London, England, assignor to Parnall (Yate) Limited, Yate, near Bristol, England, a British company
Application March 16, 1948, Serial No. 15,092
In Great Britain April 2, 1947
4 Claims. (Cl. 73—404)



1. A differential manometer comprising two hollow members having open bottoms immersed

in a liquid and vertically movable in response to pressure differences therein to be measured, said hollow member being supported from the ends of a balance beam secured at its middle point to a torsion member which is fixed at its ends whereby it is twisted on vertical movement of said hollow members to rock said beam and means for translating the rocking movement of said balance beam into a visual indication of the degree of such movement.

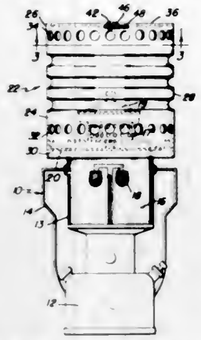
2,583,915
COLLAPSIBLE BOX
James E. Whitley, Richmond, Calif., assignor to Mabelle L. Dier, West Vancouver, British Columbia, Canada
Application June 30, 1948, Serial No. 36,065
1 Claim. (Cl. 229—22)



A collapsible container comprising a substantially triangular bottom wall having an arcuate end edge and a pair of converging side edges, an arcuate end wall hinged to the arcuate end edge of said bottom wall, said end wall having first and second end edges aligned with the side edges of said bottom wall, first and second side walls hinged to the side edges of said bottom wall and having inclined rear edges adapted to abut the end edges of said arcuate end wall to retain the arcuate end wall inclined relative to said bottom wall, a substantially triangular upper wall having first and second side edges and an arcuate end edge, the first side edge of said upper wall being hinged to said second side wall, a flap hinged to the second side edge of said upper wall and adapted to overlie a part of the first side wall, interlocking means between the flap and the first side wall, and a further end wall hinged to said first side wall and adapted to bear against the inner surface of said second side wall.

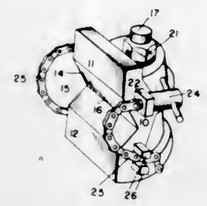
2,583,916
LANTERN ATTACHMENT
Randolph F. Wickman, Los Angeles, Calif.
Application June 29, 1950, Serial No. 170,991
1 Claim. (Cl. 126—256)

An attachment for a lantern, comprising a hollow sheet metal hood, supporting means on said hood, a top plate closing the upper end of the hood and having apertures, a damper rotatively mounted on the top plate and having apertures registering with the apertures in the top plate when the damper is in one position, said hood having vertical wall structure and said means comprising brackets fixed on the inner surface of said wall structure and extending inwardly, a lantern having a lantern glass supporting frame, and a radially extending horizontal flange on said frame, said brackets resting



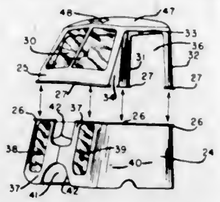
on said flange to support the hood axially of and above the frame.

2,583,917
ATTACHMENT FOR LATHES
John Wiegant, Depoe Bay, Oreg.
Application April 17, 1950, Serial No. 156,307
1 Claim. (Cl. 90—59)



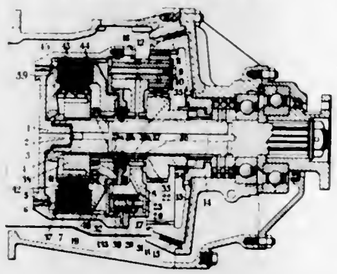
A lathe attachment of the character described, adapted to be mounted on a lathe carriage in place of the tool rest, said attachment including a body block having a flat bottom face and a front face perpendicular to said bottom face, said bottom face adapted to rest on the top of said carriage, a clamping bolt extending centrally downwardly through said block, a clamping plate on the bottom end of said bolt and spaced below said bottom face of said block for engaging the tool-rest-mounting groove in said carriage, a clamping nut on the upper end of said bolt on top of said block, a V-shaped groove extending across said front face of said block, the walls of said groove forming equal angle with the top and bottom portions of said front face respectively, the vertex line of said groove extending parallel to said bottom face of said block and located at such distance from said bottom face that when said block is mounted on said carriage said vertex line will lie in the same horizontal plane as the axis of rotation of the lathe tool, a pair of spaced fingers extending laterally from each side of said block below said groove, a pair of sprocket chains having bottom end portions removably engaged by said pairs of fingers respectively, an ear extending from each side of said block above said groove, a channel extending through each ear, a threaded stud shaft attached to the upper end of each chain, said stub shafts extending through said ear channels respectively, and a tightening nut on each stub shaft, whereby said chains can hold the work clamped in said groove on said attachment and said block will hold the work in desired position on said carriage and lathe.

2,583,918
UNIVERSAL TRACTOR AND IMPLEMENT CAB
William C. Wilson, Lenora, Kans.
Application May 24, 1948, Serial No. 28,803
3 Claims. (Cl. 296—102)



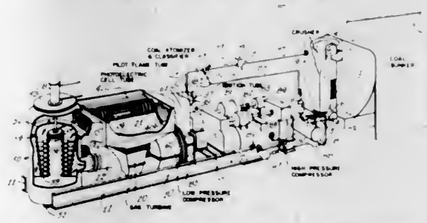
1. A cab device of the kind described; said cab comprising an upper section and a lower section, the lower section being an adaptor section having closure walls therearound, the lower portion of said adapter section being variable in shape to fit a portion of a specific machine, the upper portion of the adapter section being standard in formation, and the walls thereof changing in shape from the bottom of the adapter section to a standard shape at the top of said adapter section, the upper section of said cab being standard in formation so as to be receivable on the said standard shape of any adapter section, said upper section having openings therein for windows and a door, the adapter section having a door opening therein arranged for registry with the upper section door opening, and means for fastening the two sections together.

2,583,919
FLUID PRESSURE ACTUATED CLUTCH
Walter Gordon Wilson, Martyr Worthy, near Winchester, England
Application March 18, 1946, Serial No. 655,279
In Great Britain March 30, 1945
4 Claims. (Cl. 192—85)



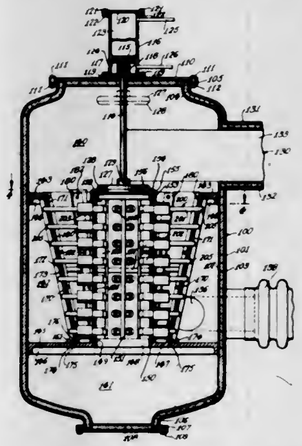
1. In an arrangement of the character described, a clutch mechanism, a cylinder, a pressure fluid actuated piston in the cylinder for operating the clutch mechanism, means to supply an operating fluid under pressure to said piston, valve relay means for controlling the flow of the operating fluid to said piston such that actuation of the clutch mechanism cannot be effected until the pressure of the operating fluid attains a predetermined amount sufficient to actuate the relay valve means to move it to a position which allows the operating fluid to act upon said piston, means defining a chamber, further means to supply fluid to said chamber, which fluid forms a fluid reservoir having a constant head, means defining a fluid connection transverse to the axis of rotation between said chamber and the relay valve means so that the fluid in said chamber acts upon said valve in opposition to the operating fluid during an operative period, whereby substantially equal and opposite forces set up by centrifugal action on the operating fluid and the fluid in said chamber act upon the valve relay means during the operative period.

2,583,920
COAL FIRED COMBUSTION CHAMBER WITH REGENERATOR TUBES ON EITHER SIDE WITHIN THE TURBINE EXHAUST DUCT
John I. Yellott, Cockeysville, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C., a corporation of Delaware
Application May 8, 1947, Serial No. 746,817
5 Claims. (Cl. 60—39.46)



2. A power plant comprising a gas turbine, mechanical power take off means from the turbine shaft, a source of motive fluids for the turbine comprising a combustor mounted in the exhaust stack of the turbine in heat-exchanging relation with the exhaust gases, regenerative air heating means in the duct in heat-exchanging relation with the exhaust gases of the turbine, and means for feeding aeriform fluids to said regenerative heating means and mixing the heated aeriform fluids with the products of combustion from the combustor to form a motive fluid for the turbine, said turbine, combustor and regenerative air heating means forming a unitary structure.

2,583,921
MULTIPLE ELEMENT VORTICAL WHIRL ASH SEPARATOR
John I. Yellott, Cockeysville, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C., a corporation of Delaware
Application May 8, 1947, Serial No. 746,818
5 Claims. (Cl. 183—80)



1. An ash separator comprising a generally cylindrical chamber, having removable closures,

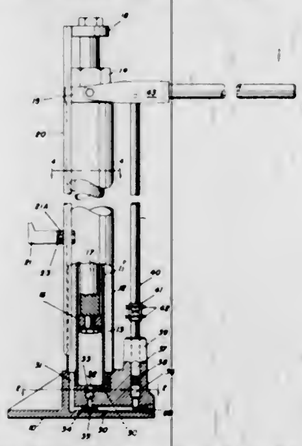
transverse partition means dividing the chamber into an upper mixing chamber, a central separating chamber, and a bottom fly-ash-receiving chamber, an inlet duct feeding into the upper chamber, at least one outlet duct discharging from the second chamber, and means in the second chamber for separating fly-ash and discharging cleaned gases to the outlet duct and fly-ash to the bottom fly-ash-receiving chamber, said separating means comprising a battery of radially disposed horizontal cyclone separators and mounting means therefor comprising a bottom annular flange, a top annular flange, the outer peripheries of the said flanges being codiametral, and the inner surfaces of said annuli forming similar polygons, the polygonal faces of the upper said flange being greater than the corresponding faces of the lower said flanges.

2,583,922
LAVATORY AND COMBINED SUPPORTING BRACKET AND TOWEL RACK THEREFOR
Karl G. Zummach, Mount Clemens, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application August 2, 1945, Serial No. 608,516
9 Claims. (Cl. 4—170)



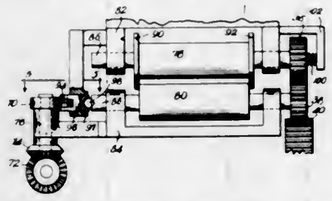
1. In a combined supporting bracket and towel rack for a washbasin or the like, the combination of a bracket member having a wall engaging portion and upper portions adapted to be attached to the bottom of the washbasin at spaced points adjacent the front and rear thereof, and means for maintaining the spaced relation between said spaced points and also useful as a towel rack and including a generally horizontal supporting bar extending from front to rear of said bracket member and spaced laterally from said washbasin by inturned ends secured to the bracket member.

2,583,923
HYDRAULIC JACK
Erich K. Anschuetz, Grosse Pointe, Mich.
Application April 8, 1948, Serial No. 19,769
2 Claims. (Cl. 254—134)



1. A load support for vehicle jacks including an upwardly movable power actuated rod, said support consisting of a T-shaped stirrup member, the cross bar of which is provided with parallel vertical passages, each having a metallic ball set in the lower portion of its wall with a portion of the ball extending into the passage, and parallel bars loosely slidable in said passages, said bars being fixed at their upper ends to said rod.

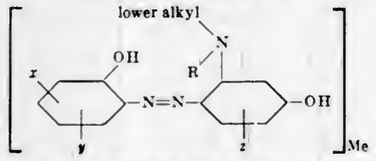
2,583,924
LEATHER SPLITTING METHOD AND APPARATUS
George R. Baumeister, Boston, Mass., assignor to Lacene Manufacturing Company, Cambridge, Mass., a corporation of Massachusetts
Application November 4, 1949, Serial No. 125,586
4 Claims. (Cl. 69—13)



1. An improved leather skiving machine comprising a frame, a skiving knife in the frame, a pair of feed rolls arranged to advance a leather blank against the knife, independently driven means for oscillating one of the rolls in an axial direction, and means for operatively connecting the other roll thereto.

2,583,925
METALLIZED ORTHO-HYDROXY, ORTHO AMINO MONOAZO DYESTUFFS
Heinrich H. Bestehorn, Easton, Pa., and Jack F. Morgan, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 3, 1947, Serial No. 789,556
3 Claims. (Cl. 260—149)

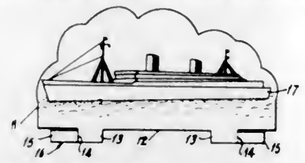
1. A metallized ortho-hydroxy, ortho-amino monoazo dyestuff of the general formula:



wherein x is a single carboxy group in non-ortho position to the azo bridge, y is a member selected from the group consisting of hydrogen and the lower alkyl, lower alkoxy, halogen and nitro radicals, z is a member selected from the group consisting of hydrogen and the lower alkyl, lower alkoxy and halogen radicals, R is a member selected from the group consisting of hydrogen and a lower alkyl radical, and Me is a metal in complex combination with the azo bridge selected from the group consisting of chromium, copper, cobalt and nickel.

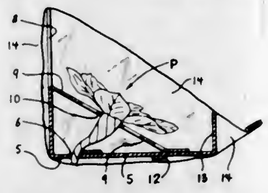
2,583,926
DISPLAY DEVICE
John H. Beyer, Forest Hills, N. Y.
Application July 27, 1949, Serial No. 107,069
2 Claims. (Cl. 40—10)

1. In an interchangeable display including a display card having an elongated linear base and downwardly extending tabs and a stand, cooperating fastening means between said display card and stand comprising linear extensions of said tabs, and obtuse angled slots formed in the stand adapted to receive and frictionally engage the sides of said tabs, the said tabs having linear



extensions foldable into obtuse relation with the said slots to enter therein, the said display card having a degree of resiliency whereby the tab extensions have an inherent tendency to regain their linear position and thereby retain said card and stand in frictional engagement as a two member unit.

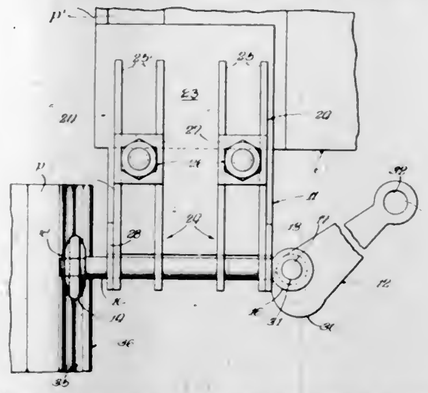
2,583,927
FLOWER DISPLAY PACKAGE
Icilio W. Bianchi, East Patchogue, N. Y., assignor to I. W. Bianchi, Inc., East Patchogue, N. Y., a corporation of New York
Application February 17, 1950, Serial No. 144,780
1 Claim. (Cl. 206—45.33)



A flower package comprising a flat base, having a flower-stem receiving hole adjacent the rear end thereof, with a flange turned up vertically on the front end of the base preliminary to packaging a flower, upstanding spaced apart wings at the rear end of the base which are higher than the vertical flange; a flower-supporting tongue extending forward from between the wings, from a position below their upper edges, and at an angle downward to the base, with the front end of the tongue fastened to the base, and having a flower-calyx aperture; a flower having its stem inserted through the aperture and the hole, with the end of the stem bent under the flat base to hold said flower on the tongue; and a transparent bag enclosing the base and flower, said bag forming a cover contacting and extending from the top edge of the vertical flange to the top edges of the spaced apart wings, and supported thereby above and in spaced relation to said flower and substantially parallel to the tongue; and the transparent cover being held under tension by the spring-back tendency of the turned up vertical flange, to thereby maintain said cover taut against sagging into contact with the flower, and also to provide maximum space for moisture around the flower.

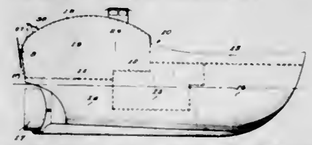
2,583,928
STEEL SHEET PILE THREADER
Howard F. Caudill, Arlington Heights, Ill., assignor to Western Foundation Corporation, Chicago, Ill., a corporation of Delaware
Application November 3, 1949, Serial No. 125,345
4 Claims. (Cl. 61—63)

1. In an apparatus for threading together adjacent steel pile sections of the type having male and female interlocking edges, adjustable clamping means adapted to grip the lower marginal portion of a suspended steel pile, draw bar means inserted through the lower portions of said clamping means, guide rollers mounted at one end of each of said draw bars, a cam lever



mounted for vertical arcuate movement about a pivot pin extending between said bars, cam means operably associated with said cam lever for moving said clamping means laterally along said draw bars, and lanyard means operable from the ground level for actuating said cam lever and cam.

2,583,929
FISHING BOAT
Ephraim C. S. Clark, Gloucester, Mass.
Application July 27, 1948, Serial No. 40,820
1 Claim. (Cl. 114—0.5)

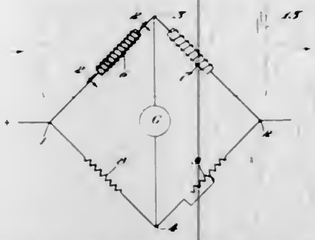


A trawler having an enclosed fish handling compartment at the stern thereof, including a substantially water level fish handling deck, an arched roof and a rear end wall, said end wall and roof having therein an opening extending upward from said deck and adapted to admit a trawl, means for closing said opening including a door and a stern board, said door having its upper portion positioned in said roof and being pivotally mounted at its top edge for swinging outwardly to clear said opening, said stern board being positioned in said end wall and being pivotally mounted at its bottom edge adjacent said deck to swing inwardly on said deck, the bottom portion of said door and the upper portion of said stern board coacting with each other when closed to completely close said opening, power means connected to said door for operating the same, a net handling winch within said compartment and otter board engaging hooks supported by the rear wall at opposite sides of said opening.

2,583,930
GAS ANALYZER AND SMOKE DETECTOR
Paul E. Cotton, Quincy, Mass., assignor to Factory Mutual Research Corporation, Boston, Mass., a corporation of Massachusetts
Application December 4, 1948, Serial No. 63,541
3 Claims. (Cl. 23—255)

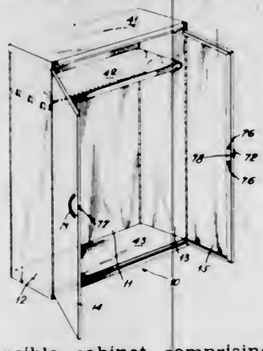
2. A gas detector comprising two resistance elements, each including a catalytically active con-

ductor having marked change in electrical resistance in response to change in temperature, the two conductors being substantially identical in material, cross-sectional area and length, and the surfaces of the two conductors being exposed to the gas substantially in the same way and to the same extent, an indicator, an electrical circuit connecting said conductors to a source



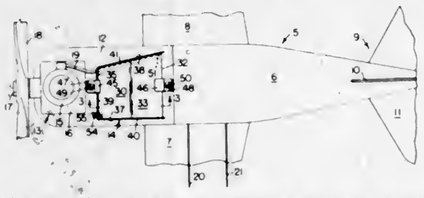
of current to heat the conductors and to the indicator to indicate change in the ratio of their resistances, a support for catalytic material arranged in heat-transfer relationship to the conductor of one of said elements so that the material becomes active when the conductor is heated, and said one element having catalytic material on said support to make it more active than the other element when the conductors are heated.

2,583,931
COLLAPSIBLE CABINET
Louis Cummings, Weehawken, N. J.
Application May 4, 1949, Serial No. 91,307
1 Claim. (Cl. 312—262)



A collapsible cabinet comprising a unitary, sheet metal back wall, a unitary, sheet metal side wall on one side of said back wall, a unitary, sheet metal side wall on the opposite side of said back wall, and at least one unitary, sheet metal door, rolled hinge portions being formed along one vertical edge of the first mentioned side wall, integrally therewith, complementary rolled hinge portions being formed along the adjacent vertical edge of the back wall, integrally therewith, a pintle interengaging said hinge portions to join the first mentioned side wall to the back wall, rolled hinge portions being formed along the opposite vertical edge of the back wall, integrally therewith, complementary rolled hinge portions being formed along the adjacent vertical edge of the second mentioned side wall, integrally therewith, a second pintle interengaging the last mentioned hinge portions and the hinge portions on said opposite vertical edge of the back wall to join said second mentioned side wall to the back wall, rolled hinge portions being formed along the opposite vertical edge of the second mentioned side wall, integrally therewith, complementary rolled hinge portions being formed along the adjacent vertical edge of the door, integrally therewith and a third pintle interengaging the hinge portions on the door and the hinge portions on said opposite vertical edge of the second mentioned side wall to join said door to said second mentioned side wall, inwardly and upwardly extending lugs being formed on the side walls a short distance below their respective top edges, inwardly and upwardly extending flanges being formed on said side walls along their respective bottom edges, a cover member which rests upon said back and side walls and has downwardly extending flanges which engage the outer surfaces of said back and side walls to prevent the side walls from swinging outwardly and away from each other on the first two mentioned pintles, a shelf which is disposed between said side walls and which rests upon their respective lugs, said shelf having downwardly extending flanges which project into the spaces between said lugs and the walls to which they are respectively connected, thereby preventing the side walls from swinging either inwardly toward each other or outwardly away from each other on said first and second mentioned pintles, and a floor member which is disposed between said side walls and which rests upon their respective upwardly turned flanges, said floor member having downwardly extending flanges which project into the spaces between said upwardly extending flanges and the walls to which they are respectively connected, thereby preventing said side walls from swinging either inwardly toward each other or outwardly away from each other on said first and second mentioned pintles.

2,583,932
FUEL TANK FOR CAPTIVE MODEL AIRPLANES
Harold E. Daebelliehn, Moline, Ill.
Application April 22, 1950, Serial No. 157,489
7 Claims. (Cl. 220—4)

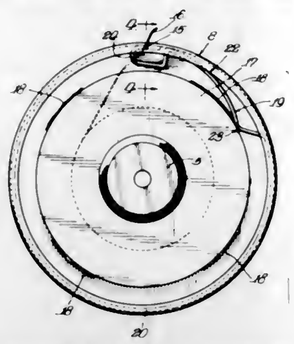


1. A fuel tank for a captive model airplane, said tank having a pair of top and bottom walls converging toward one end thereof and a pair of side walls diverging toward said one end, and a fuel delivery pipe connected to said tank and having an inlet opening adjacent the vertex of the acute angle at one corner of the tank between one of said side walls and said one end thereof.

2,583,933
SPOOL AND FASTENING MEANS THEREFOR
Richard W. Elder, Niles, Mich., assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Application February 26, 1949, Serial No. 78,574
6 Claims. (Cl. 242—125)

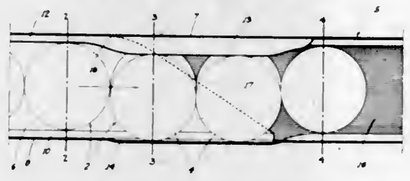
1. In combination, a spool having side members with there being aperture means extending at least through one of said side members adjacent the outer edge thereof through which the free end portion of material adapted to be wound

on said spool between said side members is adapted to extend, and spring means lying in a plane parallel to and carried by said one side member, said spring means having a free end



portion normally biased for movement outwardly toward the edge of said one side member to engage the free end portion of said material with said one side member.

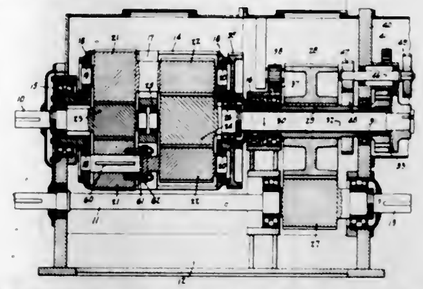
2,583,934
CAN SEPARATING DEVICE
Victor B. Evans, San Jose, Calif.
Application August 7, 1948, Serial No. 43,139
1 Claim. (Cl. 198—34)



A can separating device for a stack of cans including lower and upper cans initially in end to end engagement, the device comprising a longitudinal vertical-sided trough wider than the cans and in which the stack of cans is adapted to be advanced, longitudinal guide strips in the trough disposed to initially engage the lower cans at the top and the upper cans at the bottom and centralize the cans in the trough, and a longitudinal cam strip in the trough on one side thereof at a level to engage the upper cans adjacent the top; said cam strip being initially no wider than the corresponding guide strip and increasing in width to tilt the upper cans laterally for a certain length of the travel of the stack so as to cause a gap to be formed between the adjacent ends of the upper and lower cans on said side; there being a longitudinal support in the trough arranged at its leading end to enter said gap upon advance of the stack and to then fully receive and support the upper cans.

2,583,935
ROLLING MILL DRIVE
Louis W. Falk, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application April 12, 1945, Serial No. 587,953
5 Claims. (Cl. 74—681)

1. A rolling mill drive comprising a first shaft connectable in driving relation with a mill roll, a second shaft parallel thereto connectable in driving relation with another mill roll, a third shaft aligned with said first shaft, heavy duty gearing maintaining a definite speed relation between said second and third shafts, heavy duty



planetary gearing connecting said first and third shafts, and control means reacting on said planetary gearing for regulating and determining the speed ratio between said mill rolls.

2,583,936
DISTRIBUTOR CONTACT POINT GAUGE
James C. Fisk, Flint, Mich.
Application October 14, 1949, Serial No. 121,319
4 Claims. (Cl. 33—181)

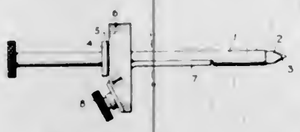


1. A gauge for determining contact point gap in an ignition distributor having a housing and an upstanding lug normally stationary but adjustable and mounting a contact point, and a movable arm mounting a contact point, comprising in combination a frame, a dial indicator mounted thereupon, said frame defining a flat central portion receiving the indicator and marginal depending parallel shoulder portions extending in opposite directions on each side of the gauge, said shoulders adapted to rest slidably upon said housing and support the gauge, said frame provided with a depending spring clamp comprising cooperating substantially parallel spaced apart portions adapted to grippingly engage opposite sides of the upstanding lug provided with the stationary contact, one of said portions being in the form of a fork adapted to bracket the contact carried by the lug, the other portion being in the form of a flat spring deformed on its face adjacent to the lug to engage such side of the lug, said indicator provided with a finger disposed beyond the spring clamp and adapted to engage the movable contact to be actuated thereby.

2,583,937
SURGICAL EXPLORING AND OPERATING DEVICE
Riccardo Fossati, Milan, Italy
Application September 9, 1947, Serial No. 773,045
In Italy May 4, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 4, 1966
4 Claims. (Cl. 128—4)

1. An appliance for surgical purposes consisting of a base provided with a cannula with open ends for introduction through the thoracic or abdominal cavity by means of a trocar to be subsequently withdrawn, said cannula being provided with a longitudinal slot extending through

at least a considerable portion of its length, said base being provided with an elongated aperture which includes the continuation of the bore of said cannula, the portion of said perforation exceeding the continuation of said bore being located on that side of the cannula where the



same is slotted, whereby a surgical instrument can be introduced through the cannula and then moved longitudinally in said aperture and moved laterally from the cannula through said slot, leaving the cannula free for the introduction of a second surgical instrument.

2,583,938

METHOD OF PREPARING STABLE AERATED WAX COMPOSITIONS AND ARTICLES

August French, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application November 30, 1948, Serial No. 62,787
10 Claims. (Cl. 18—58)

7. The method of preparing a molded opaque wax article comprising heating to a temperature above about 165° F. a wax mixture, free of an added froth stabilizer, and consisting essentially of a paraffin wax having a melting point of from about 120° F. to about 140° F., and from about 0.5% to about 25%, by weight, of a microcrystalline wax having a melting point above about 145° F., cooling the heated mixture to a temperature within 3° F. to about 4° F. above the melting point of the paraffin wax component of said mixture while stirring vigorously and introducing a gaseous medium in said cooling wax mixture, whereby a stable opaque aerated free-flowing emulsion-like wax composition is obtained, transporting to a mold said stable aerated free-flowing emulsion-like wax composition while maintained at a temperature of 3° F. to 4° F. above the melting point of the paraffin wax component of said emulsion-like wax composition, and permitting said emulsion-like wax composition to solidify in said mold.

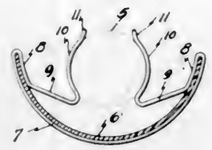
2,583,939

LIGHT-DIFFUSING SHIELD FOR ELONGATED TUBULAR LAMPS

George O. French and Jacques H. Du Roy, Flint, Mich., assignors to Plasti-Cation Corporation, Flint, Mich., a corporation of Michigan

Application August 28, 1948, Serial No. 46,604
1 Claim. (Cl. 240—51.11)

The combination with a horizontal tube type lamp, of spaced-apart, resilient clamps suspended from said lamp, each clamp comprising a main, semi-cylindrical section of uniform curvature, each section being bent to form a return semi-cylindrical section lying parallel with and spaced from the main section, the end sections of the return sections leading inwardly and downwardly and thence upwardly, said upwardly leading sections being bowed and spaced to yieldingly engage the horizontally disposed lamp therebetween, and a horizontally disposed light diffusing, yieldable shield of semi-cylindrical shape releasably mounted in said clamps, the spreading of the upwardly leading sections forcing the return sections of the clamps back



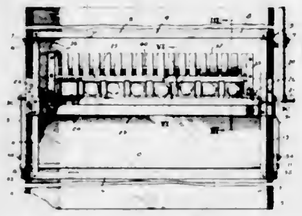
against said shield so that said shield is firmly gripped between said main semi-cylindrical section and said return sections.

2,583,940

ICEBOX COOKY CUTTER AND METHOD

Donn B. Furlong, Oakland, Calif., assignor of one-third to Ernest Weil, San Francisco, Calif., and one-third to Joseph J. Bruno, San Bruno, Calif.

Application August 11, 1950, Serial No. 178,782
8 Claims. (Cl. 107—54)



1. The method of cutting and distributing ice box cookies on a supporting surface that comprises the steps of; supporting vertically extending columns of ice box dough in a horizontally extending row spaced above a surface on which the cookies are to be distributed, moving said row over said surface in a direction transversely of said row, simultaneously cutting slices of uniform thickness off the lower ends of said columns at uniform intervals for dropping of said slices by gravity on said surface in rows respectively corresponding in arrangement to said row of columns.

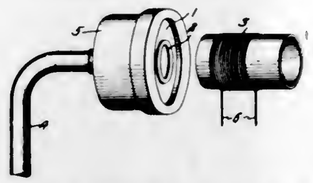
2. Ice box cookie cutting apparatus comprising; a carriage supported for horizontal movement in one direction, supporting means on said carriage adapted to support a horizontal row of substantially vertical columns of ice box dough thereon, cutting means adjacent the lower ends of the columns of said row supported for movement transversely across the lower ends of said columns for cutting a slice of dough off the bottom of each column, means for moving said supporting means from below said columns during movement of said cutting means across said lower ends whereby the said slices will be free to fall by gravity upon being cut from said columns, means supporting said carriage for said horizontal movement including a wheel rotatable during said movement, and a mechanism connecting said wheel with said cutting means and with said supporting means for simultaneously moving said supporting means from below said columns and said cutting means across the lower ends of said columns upon rotation of said wheel and movement of said carriage.

2,583,941

DEVICE FOR DETECTING VARIATIONS IN FLUID PRESSURE

Thurlow M. Gordon, Jr., New York, N. Y.

Application November 13, 1946, Serial No. 709,652
5 Claims. (Cl. 171—242)



1. A device for causing electric variations corresponding to variations in fluid pressure, comprising the combination with an electric circuit formed to create an electromagnetic field providing inductance in said circuit, of a flexible diaphragm of dielectric material subject to the variations in fluid pressure and located in the electromagnetic field, and a thin flat ring of electro-conducting material secured on one face of the diaphragm.

2,583,942

FISH LURE AND METHOD OF MANUFACTURE

James W. Harvey, Lakeville, Conn., assignor to Starr Allyn Harvey, Lakeville, Conn.

Application May 27, 1947, Serial No. 750,842
3 Claims. (Cl. 43—42.28)



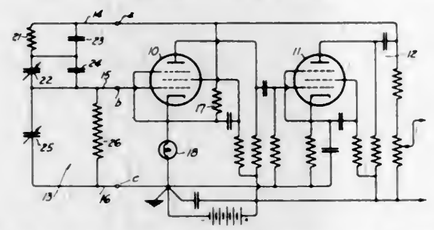
1. A fish lure comprising a hook having a shank with a body secured thereon including a layer of colored tape wound around the shank, a colored strip of material along the surface of the layer of tape, tinsel ribbon enclosing the tape and colored strip, said ribbon including transparent portions through which the color of the tape and strip may be noticed with shiny metallic filaments extending longitudinally of the shank of the hook and an envelope of transparent plastic enclosing the body.

2,583,943

MODIFIED WIEN-BRIDGE OSCILLATOR

William R. Hewlett, Palo Alto, Calif., assignor, by mesne assignments, to Hewlett-Packard Company, Palo Alto, Calif., a corporation of California

Application January 10, 1947, Serial No. 721,219
3 Claims. (Cl. 250—36)



1. A selective network for forming a positive feedback from the output to the input of an oscillation generator of the type utilizing electronic amplifying means having an input control grid and an output plate circuit, said network comprising resistance and capacitance elements forming two circuits, one circuit being connected between two conductors, the first of said two conductors being coupled to the plate circuit and the second being connected to the control grid, the other circuit being connected between said second conductor and a third conductor which is connected to a point of neutral potential, the first circuit comprising a resistor and a variable condenser connected serially between the first and second conductors together with a fixed condenser shunted across the resistor and a second fixed condenser shunted across the variable condenser, the second circuit comprising elements forming two paths connected in shunt between the second and third conductors, one path including a variable condenser and the other a resistor, said network affording a relatively wide frequency range of operation upon adjustment of said variable condensers, the frequency of operation for a substantial portion of said range being in accordance with the equation

$$f=\frac{1}{2\pi RC_2}\cdot\frac{1}{\sqrt{1-2\left(\frac{C_0}{C_2}\right)^2}}$$

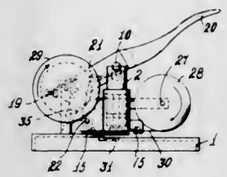
where R represents the resistance value of each of the resistors mentioned, C_2 represents the capacitance value of each of the variable condensers for a given adjustment, C_0 represents the capacitance value of each of the two fixed condensers of the first named circuit, and f represents the frequency of operation.

2,583,944

PUNCHING AND REINFORCING DEVICE

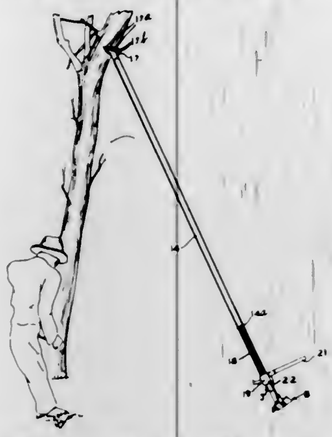
Beniamin Hirszson and Joseph Anthony Paparelli, Rio de Janeiro, Brazil

Application December 20, 1947, Serial No. 792,924
In Brazil November 20, 1947
2 Claims. (Cl. 93—1)



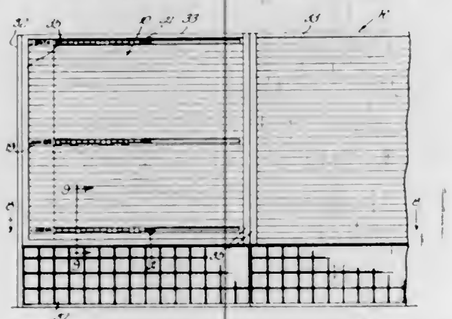
2. In a device for severing and attaching a reinforcing piece to a sheet and perforating the attached piece and sheet, a cylindrical body, a cutting ring in said body, a spring normally holding the cutting ring in an elevated position, a plunger slidable in the body and through the cutting ring, a spring normally holding the plunger elevated and affording a compressible connection between the cutting ring and plunger whereby initial downward movement of the plunger carries the cutting ring downwardly to sever the piece from a supply strip, and an attaching ring telescoped on and resiliently connected to the plunger within the cutting ring, said attaching ring engaging the severing piece and pressing it against the sheet prior to perforating descent of the plunger.

2,583,945
TREE FELLING JACK
Marcellus L. Jacobs, Minneapolis, Minn., assignor to Jacobs Wind Electric Company, Minneapolis, Minn., a corporation of Montana
Application December 19, 1949, Serial No. 133,860
9 Claims. (Cl. 254—133)



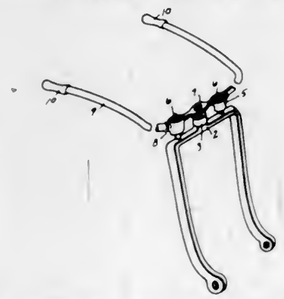
1. Felling structure for trees and other upstanding objects having in combination an elongated thrust-applying structure comprising at least a pair of sections slidably related for extension or retraction, the lower of said sections having penetrating ground-engaging means attached thereto and the upper of said sections having means for engaging a tree or other object at a point of elevation above the ground, a jack mechanism mounted on one of said sections for progressive adjustment longitudinally thereof and having connected therewith a spring abutment seat, the other of said sections having a cooperative spring abutment seat and an elongated coil spring mounted on one of said sections and interposed between said two spring abutment seats whereby tension may be applied to said outer section after the structure has been interposed between a point of anchorage and a point of engagement with the object to be felled.

2,583,946
CALCULATING AND INDICATING DEVICE
Jean S. Jenson, Chicago, and Arthur H. Jenson, Evanston, Ill.
Application November 28, 1950, Serial No. 197,970
2 Claims. (Cl. 235—61)



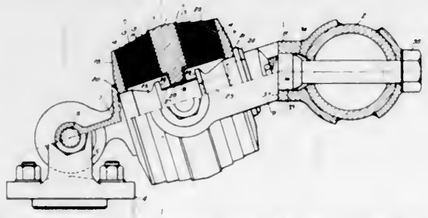
1. A system for the automatic calculation of handicaps and other variable values, comprising a rack adapted to receive and maintain in removable relation to one another a series of vertically arranged, horizontally extending calculating devices, and a plurality of elongated, straight sided calculating devices arranged on said rack in such a series, a longitudinally extending scale on each of said devices calibrated in terms interpretive of said values, a plurality of calculating pieces variably proportioned in side-to-side dimension in general accordance with said values, said device having means to mount said pieces in side-by-side series extending longitudinally of said scale on each of said devices, and an indicator variably positioned relative to the scale in accordance with the over-all length of said last named series, said indicator coacting with said scale to afford a direct reading from the latter.

2,583,947
HANDLE BAR MOUNTING
William A. Keetch, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application November 13, 1948, Serial No. 59,923
2 Claims. (Cl. 74—551.2)



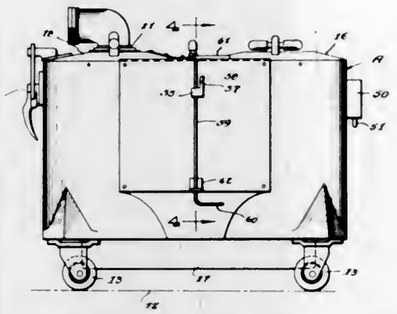
1. A handlebar mounting comprising a pair of tube form mountings on opposite sides of the steering axis of the fork comprising inner and outer members anchored to an intermediate bushing of rubber or like resilient material, the longitudinal axis of such mountings extending in the general direction of the fork, one of the members of each mounting being fixed to the fork, a handlebar bracket fixed to the other of the members of each mounting, a handlebar carried by the bracket having grips offset vertically and laterally from the mountings whereby a thrust on the grips in any direction causes cocking of the mountings, and stops limiting the cocking of the mountings whereby a more positive steering force may be applied to the fork.

2,583,948
RESILIENT MOUNTING
William A. Keetch, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application November 26, 1948, Serial No. 61,968
8 Claims. (Cl. 248—5)



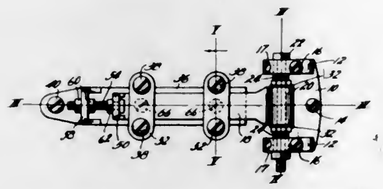
1. In a resilient mounting, an annulus having trunnions at opposite edges, a pair of sandwich mountings respectively on opposite faces of the annulus each comprising an end plate and resilient material such as rubber between the end plate and the adjacent face of the annulus, and a stem extending through the annulus and fixed to the end plates.

2,583,949
SWITCH CONSTRUCTION FOR SUCTION CLEANER APPLIANCES
Karl A. Kendrick, Grand Rapids, Mich.
Application February 8, 1946, Serial No. 646,239
3 Claims. (Cl. 15—323)



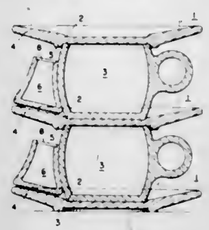
1. In a suction cleaner, a casing, operating mechanism for said suction cleaner including an electric motor and an electric circuit including a switch, a switch arm connected with said switch, a nozzle arm support rotatably and slidably carried by said casing and rotatably connected to said switch arm, said nozzle arm support loosely mounted on said casing and also having a sliding connection with said switch arm, a notch carried by said switch arm, said nozzle arm support being selectively movable to engage said support in said notch to lock said nozzle arm support from rotation relative to the switch arm, whereby to positively actuate the switch arm by laterally rocking said nozzle arm support by laterally rocking the nozzle arm when engaged with the said nozzle arm support.

2,583,950
ADJUSTABLE HINGE
Henry E. Kirschner, St. Joseph, Mo.
Application March 18, 1946, Serial No. 655,115
4 Claims. (Cl. 16—129)



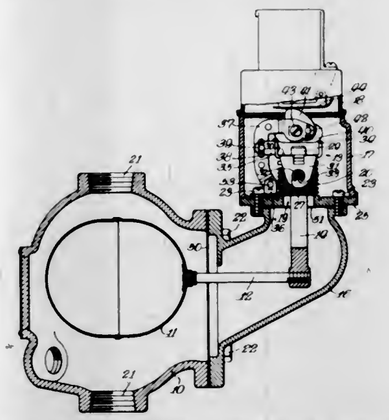
3. An adjustable hinge comprising a base having a pair of spaced apart bearing lugs, screw threaded sleeves adjustably positioned one in each of said bearing lugs and disposed in axial alignment, means for locking said sleeves against rotation in said bearing lugs, a pintle mounted in said sleeves, a hinge strap pivotally mounted on said pintle and between said sleeves, and an attaching plate mounted for longitudinal adjustment on said hinge strap.

2,583,951
CUP, SAUCER, AND CREAM JUG
George Kliegel, Washington, D. C.
Application October 11, 1946, Serial No. 702,646
2 Claims. (Cl. 65—31)



1. In combination, a saucer having a flat central portion and an annular marginal portion extending outwardly and upwardly therefrom, a cup seated upon said central portion of the saucer, and a flat bottomed jug supported upon the upper face of the marginal portion of the saucer and provided with a plurality of side faces extending upwardly from its base, each of said faces having a surface contour conforming to the surface contour of the side wall of the cup, said jug resting against the cup with one of its contoured side faces in surface contact with the side wall thereof.

2,583,952
FLUID LEVEL RESPONSIVE DEVICE
Leopold J. Kmiecik, Chicago, Ill., assignor to McDonnell & Miller, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1949, Serial No. 119,514
7 Claims. (Cl. 200—84)



1. A fluid level responsive device comprising a housing, a float mounted in said housing at one end of a substantially horizontally extending connecting rod, a substantially vertical float rod connected at its lower end to the other end of said connecting rod, a flange at the upper end of said float rod, a bracket secured to said flange comprising a pair of downwardly depending leg portions each having an aperture formed therein adjacent the lower portions thereof, a V-shaped tongue extending upwardly and inwardly of each of said apertures, a pair of upwardly projecting fixed post members, one adjacent each of said legs of said bracket, a pair of pins having lengthwise extending downwardly facing V-shaped grooves one being received in each of said post members and extending inwardly of the aper-

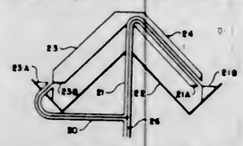
tures of said leg portions with said V-shaped tongue portions disposed in said V-shaped grooves for providing substantially horizontal line contact for said float rod, a cam lever pivotally mounted at one of its ends on said device, a cam at the other end of said cam lever, and a lost motion connection between said bracket and said cam lever for translating rotary movement of said float rod into rotary movement of said cam lever.

2,583,953

ELECTRICAL APPARATUS

John D. Kraus, Newton Center, Mass., assignor to United States of America as represented by the Secretary of War

Application March 29, 1946, Serial No. 657,949
10 Claims. (Cl. 250—33.65)



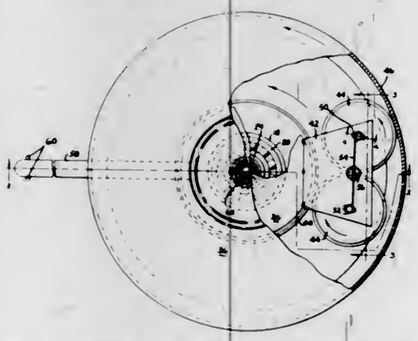
6. A broad band undirectional end fed V-antenna including a sheet reflector bent to form four legs in the form of a W having two outer legs and two inner legs, a thick tubular radiating element bent to form two legs in the shape of a V spaced from and oriented with respect to said reflector so that the inner legs of said reflector are parallel to corresponding legs of said radiating element, a first transmission line having one conductor thereof terminating in contact with a first end of said radiating element and having a second conductor thereof terminating in contact with said reflector at a point adjacent said first end of said radiating element, and a second transmission line having one conductor thereof terminating in contact with a second end of said radiating element and having a second conductor thereof terminating in contact with said reflector at a point adjacent said second end of said radiating element.

2,583,954

TURNTABLE CONSTRUCTION

Robert G. Kugler, Springfield, Ohio, assignor to Kugler's Radio Service, Inc., Springfield, Ohio, a corporation of Ohio

Application January 3, 1949, Serial No. 68,871
4 Claims. (Cl. 274—9)



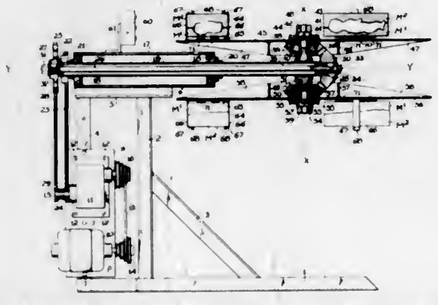
1. In a phonograph turntable adapter: a pair of spaced plates, a member between said plates and having a bearing sleeve, a bearing between said sleeve and each of said plates whereby said plates are rotatable on a common axis and independently of each other and of said member, telescoping flange means on said plates and of different diameters, and friction driving means forming a driving connection between said flange means and carried by said member, said friction drive means comprising a pair of rollers having peripheral drive means and in engagement with each other and one engaging one of said flange means and the other engaging the other of said flange means, said rollers being movably mounted on said member and there being spring means for urging said rollers toward each other and toward their respective driven flanges.

2,583,955

APPARATUS FOR DISTRIBUTING RUBBER IN MOLDS

George S. Lawson, Perry, and James C. Lawson, Euclid, Ohio, assignors to Future Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application January 4, 1949, Serial No. 69,186
14 Claims. (Cl. 18—26)



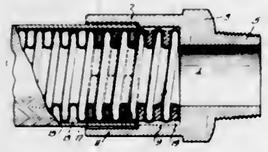
1. Apparatus for distributing rubber in molds, said apparatus comprising a horizontal drive shaft, a pair of vertically spaced disk-like tables of relatively large diameter, each adapted to support a multiplicity of molds, said tables being rotatable about a common vertical axis, means for rotating one of said tables in one direction about said axis, and means for simultaneously rotating the other table in the opposite direction about said axis.

2,583,956

COUPLING STRUCTURE

Robert Monroe Lindsay, Oak Park, and Charles Randazzo, Elmwood, Ill., assignors to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois

Application April 3, 1947, Serial No. 739,124
3 Claims. (Cl. 285—74)



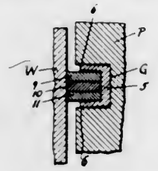
1. In combination with a flexible convoluted metal tubing having crest and trough portions and a sheathing terminating short of the end thereof, the provision of a coupling member having a radially compressible cylindrical flange encompassing the adjacent end of the tubing inserted therein, said flange including an intermediate inwardly directed radial shoulder juxtaposing the adjacent end of the sheathing and defining an outer cylindrical flange portion of larger diameter and an inner cylindrical flange portion of lesser diameter, a filler material within a trough of the tubing exposed outwardly of the terminal end of the sheathing and within the inner cylindrical flange portion of lesser diameter, and said flange being radially compressed to flatten the exposed crest portions of the tubing and said filler material against the said inner flange portion of lesser diameter and to flatten the crest portions within the outer flange portion of larger diameter against the interposed sheathing.

2,583,957

PISTON RING ASSEMBLY

George W. Marvin, Los Angeles, Calif., assignor of one-half to Standard Parts Co., Los Angeles, Calif.

Application February 25, 1949, Serial No. 78,264
3 Claims. (Cl. 309—44)



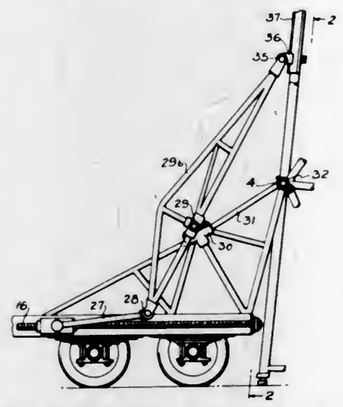
1. A piston ring assembly including an annular spring ring channel member opening outwardly with its walls flaring slightly apart, and adapted to fit yieldingly into the groove of a piston, and a plurality of split spring piston rings in said channel member and projecting therefrom to engage a cylinder wall.

2,583,958

PORTABLE DERRICK

James Moon, Altadena, Calif., assignor to Western Oil Tool & Engineering Co. Inc., Glendale, Calif., a corporation of California

Application August 20, 1946, Serial No. 691,717
3 Claims. (Cl. 189—11)



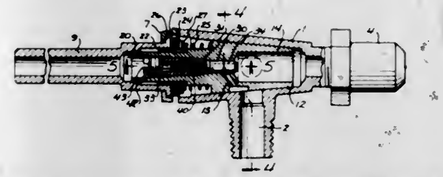
1. A portable derrick, comprising a vehicle, a chassis for said vehicle, said chassis comprising main longitudinal frame members and end cross members, a pivot shaft mounted on said chassis, a derrick, said derrick being pivotally mounted on said pivot shaft, a slide guide on said derrick, a slide slidably mounted on said slide guide, an elevating truss pivotally connected to said slide, a second pivot shaft mounted on said chassis intermediate the ends of said longitudinal frame members, said elevating truss being pivotally mounted on said second pivot shaft, means for pivoting said elevating truss on its pivot shaft, including a screw mounted in the said chassis, a nut mounted for travel on said screw entirely within said chassis between the ends of said longitudinal frame members, and a link connection between said screw and said elevating truss.

2,583,959

SIMMER CONTROL FOR A VALVE FOR A GASEOUS FUEL

Ervin H. Mueller, Grosse Pointe, Mich.

Application August 18, 1948, Serial No. 44,894
1 Claim. (Cl. 277—59)



Means for throttling the flow of fuel gas through a valve, wherein the valve has a rotary valve member with an outlet passage, a hollow operating stem, a bore between the hollow of the stem and the outlet passage, an inlet port communicating into the bore from the side thereof; a tapered seat substantially at the junction of the hollow of the stem and the bore, a throttling member positioned in the hollow stem and having a tapered portion engaging said tapered seat and having a part extending into the bore for throttling the inlet port upon rotation of the throttling member, screw threads in the hollow stem, an operating member engaged with said threads in the hollow stem and retractable for disengagement therefrom, detachable elements providing a slidable key connection between the operating member and the throttling member, whereby rotary adjustment of the operating member on its threads rotates the throttling member, a spring positioned between the operating member and the throttling member for holding the throttling member on its tapered seat, the slidable key connection between the operating member and the throttling member having a range of sliding movement in excess of the limit of the movement of the operating member toward the throttling member as the operating member is advanced on its threads, whereby the operating member will abut and may be tightened against the throttling member without transmitting the turning torque on the operating member through the slidable connection the screw threads in the stem being so positioned that the elements providing the slidable key connection are in engagement when the control member is disengaged from the screw threads in the stem.

2,583,960

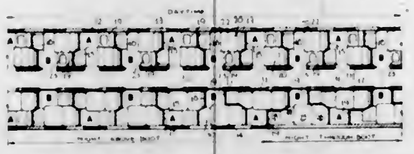
PASSENGER ACCOMMODATIONS FOR RAILWAY CARS AND SIMILAR VEHICLES

Goodrich K. Murphy, New Canaan, Conn., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 18, 1949, Serial No. 99,900
16 Claims. (Cl. 105—315)

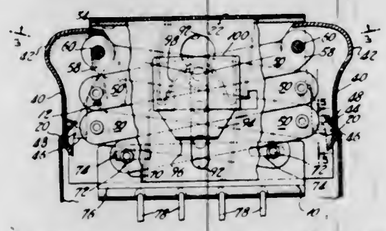
1. In a passenger-carrying vehicle, a longitudinally extending vehicle side wall, a longitudinally extending center aisle wall and longitudinally spaced generally transversely extending parti-

tions dividing at least a portion of the space between said side and aisle walls into a series of single-occupancy rooms adapted to permit the occupant either to sit or recline full length therein, said transverse partitions each being formed with a longitudinally offset portion of materially less width and materially less height than the maximum width and height of the rooms, said



offset portions in the partitions being arranged alternately adjacent the aisle wall and adjacent the car side wall and forming, with the associated longitudinally extending walls, longitudinal extensions or boots which increase the length of each room in the region of its offset just sufficiently to permit the use of a full-length couch or berth therein.

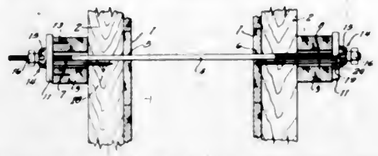
2,583,961
KEY POUCH
Daniel Julius Nash, Jersey City, and Robert L. Hatfield, East Orange, N. J., assignors, by direct and mesne assignments, to Nash Inc., Jersey City, N. J., a corporation of New Jersey
Application August 3, 1948, Serial No. 42,266
4 Claims. (Cl. 150—40)



1. A key pouch comprising a generally rectangular casing having an opening across the full width thereof at the lower end, a pair of openings at the upper corners of the upper end of the case, a key supporting plate, ejecting mechanism therefor within the case, the ejecting mechanism including a lazy tongs system of links comprising a plurality of pivotally connected pairs of pivotally connected links, the plate being connected to and movable with the lower end of the lazy tongs system, actuating means for said system to move the plate toward and away from the first mentioned opening and project and retract keys on the plate out of and back into the case through said opening, said actuating means including a spring normally urging the links in one direction, and finger pieces pivotally connected by one end thereof to the upper end of the links for actuating same against the influence of said spring, the other end of the finger pieces being pivoted about a point spaced from said connected end.

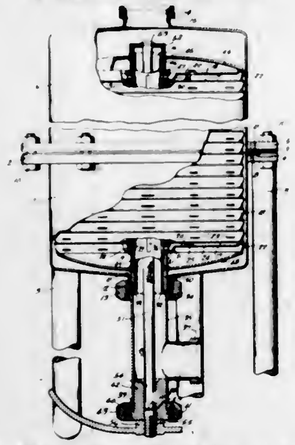
2,583,962
FORM CLAMP
Herman P. Neptune, Los Angeles, Calif.
Application November 25, 1949, Serial No. 129,399
2 Claims. (Cl. 25—131)

1. The combination with a concrete form, having a form board and a backing of studs and wales, of means for securing said form board, studs and wales in working relationship, comprising a plate for engagement with the wales



and an enlongated lag screw extending between said plate, wales and studs and embedded in part in said form board.

2,583,963
FILTER
James P. O'Meara, Milwaukee, Wis., assignor to W. M. Sprinkman Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application December 10, 1948, Serial No. 64,625
3 Claims. (Cl. 210—169)

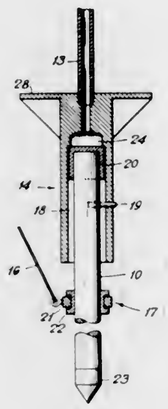


1. In a filter, the combination of an apertured standpipe, a filter unit comprising a series of filter pad supporting metal disks, each disk having a hub portion provided with passages connected with the apertured portion of the standpipe, an annular yieldable body portion and an apertured flanged peripheral portion having an edge adapted to move laterally outward on the application of pressure upon said body portion where it joins said flanged portion, annular filter pads mounted between said disks and engaged by the hub and peripheral portions thereof, and means for clamping said disks and pads together comprising clamping members at opposite ends of said filter unit, each clamping member including a concavo-convex resilient plate whose peripheral portion at its concave side engages the peripheral portion of an abutting disk adjacent said flange and a non-resilient hub engaging the hub portion of said disk, said plates being of varying cross-section with a portion of reduced thickness adjacent their hubs, and means distinct from said standpipe for exerting a clamping pressure on the hubs of said clamping members to exert pressure first on the peripheral portions of said disk to cause a lateral displacement of the edges of the flanged peripheral portions of said disks tending to tension said pads under a yielding pressure between adjoining disks and thereafter exert a clamping pressure between the hubs of said plates, the hubs of said disks and inner edges of said pads.

2,583,964
METHOD OF PREPARING FISH FOOD
Harold S. Otter, St. Ignatius, Mont.; Faye E. Otter, administratrix of said Harold S. Otter, deceased, assignor to Processed Trout Foods, Incorporated, a corporation of Montana
No Drawing. Application July 26, 1949, Serial No. 106,961
6 Claims. (Cl. 99—2)

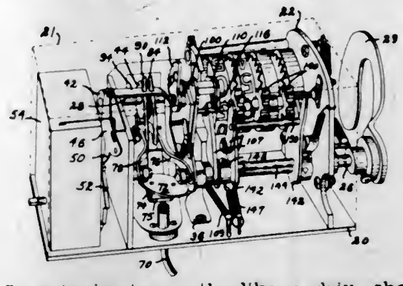
1. A method of preparing a fish food including raw meat, natural animal blood and a small amount of other vegetable and animal matter in form for ready feeding, said method comprising freezing and then comminuting the raw meat portion, then mixing the animal blood and the other vegetable and animal matter therewith while maintaining its temperature below 50 degrees F., thereafter coating the particles with a gelatine in water solution, freezing the resultant mixture and then grinding it while frozen, for feeding.

2,583,965
SUBMARINE ANCHORAGE
James M. Page, Jr., Chicago, and Vanderveer Voorhees, Homewood, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 30, 1946, Serial No. 713,298
1 Claim. (Cl. 61—73)



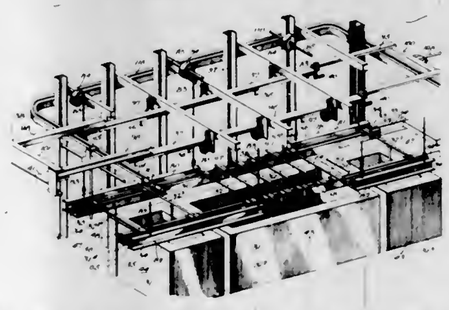
A pile driving apparatus adapted for driving piles beneath the surface of a body of water being deeper than the length of said pile, said apparatus comprising a cap attached to the head of said pile, a driving head, a cylindrical bore within said driving head of slightly greater diameter than said cap, a substantial portion of said bore normally extending below said cap, an explosion chamber consisting of a recess within the upper end of said bore and of smaller diameter than said cap, a channel leading from said explosion chamber through the upper end of said driving head, an annular web at the upper end of said head and extending transverse to the longitudinal axis of the head, and a supporting tube threaded to said head in aligned communication with said channel, a shear pin attaching said driving head in the region of said bore to the pile below said cap, and means for lowering said pile, driving head and supporting tube as a unit.

2,583,966
TAXIMETER
Chester A. Rhoads and John A. Hubbard, Dayton, Ohio, assignors, by mesne assignments, to The Dayton Taximeter Co., a corporation of Ohio
Application June 3, 1947, Serial No. 752,086
16 Claims. (Cl. 235—30)



4. In a taximeter or the like, a drive shaft, a driven shaft, means for transmitting power from said drive shaft to said driven shaft comprising a wabble plate cam secured to said drive shaft, a ratchet wheel secured to said driven shaft, a first cam follower pivotally mounted for engagement with said wabble plate cam on one side of said drive shaft, a second cam follower pivotally mounted for engagement with said wabble plate cam on the other side of said drive shaft, first pawl means carried by said first cam follower and arranged in driving engagement with said ratchet wheel, second pawl means carried by said second cam follower and arranged in driving engagement with said ratchet wheel, means for biasing said pawl means into driving engagement with said ratchet wheel, and means for disengaging at least one of said pawl means from said ratchet wheel.

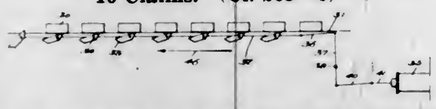
2,583,967
FURNACE LIFT AND TRANSLATION MECHANISM
Leon Bidwell Rosseau, Narberth, Pa., assignor to Ajax Electric Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application July 27, 1948, Serial No. 40,862
9 Claims. (Cl. 263—6)



7. In a furnace mechanism, a plurality of pot type furnaces each having a furnace space open at the top and each having an end wall and arranged in line, supports at a lower level extending along the top of the furnaces, work units on the supports, depending into the furnace space and adapted to support work therein, elevator mechanism moving from a lower level to a higher level above the end wall and adapted to lift work units as they complete their cycle in one furnace and lower the same in the next furnace, and pusher mechanism for advancing the work units

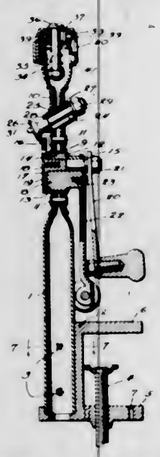
when raised by the elevator to the higher level, whereby the work units are carried across the intervening wall space between one furnace and the next and are lowered into the furnace space of the next furnace.

2,583,968
PUSHER MECHANISM
Leon Bidwell Rosseau, Narberth, Pa., assignor to Ajax Electric Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application July 28, 1948, Serial No. 41,041
16 Claims. (Cl. 263—6)



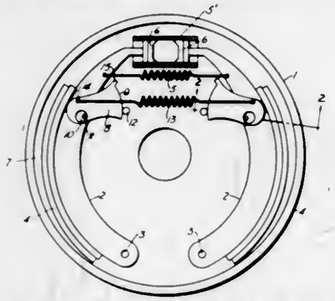
5. The process of translating work units having support portions by a pusher having dogs which move from an engaging position behind the support portions to a retracting position slidable along the support portions, which comprises slidably supporting the work units by a support in a generally horizontal row in which one of the work units is spaced from the next by a relatively greater distance and the other work units are each spaced from the next by a relatively lesser distance, retracting the pusher along the work units from its position of farthest forward advance and thereby retracting all of the dogs the same distance, one of the dogs moving to a pushing position immediately behind the support portion of the work unit which is spaced from the next by the relatively greater distance and the other dogs moving to a pushing position far behind the respective adjoining work units, and then pushing a pusher forward over the relatively greater distance and thereby bringing the work unit spaced from the next by the greater distance forward the greater distance and bringing the other work units forward the relatively smaller distance.

2,583,969
CAN OPENER
Thur Schmidt, Chicago, Ill.
Application March 18, 1947, Serial No. 735,350
2 Claims. (Cl. 30—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A can opener comprising a tubular body member having a flattened portion, a pair of bushings extending through said flattened portion, a rotary cutter journaled in one of said bushings, a rotary feed wheel journaled in the other of said bushings, retaining plates secured against the flattened faces of said flattened portion and engaging the ends of said bushings to secure same against endwise motion, and a pressure plate yieldingly mounted on said member, and flanges on said retaining plates for guiding said pressure plate.

2,583,970
AUTOMATIC BRAKE ADJUSTING MECHANISM
Ira E. Schultz, Johannesburg, Transvaal, Union of South Africa
Application September 12, 1949, Serial No. 115,139
1 Claim. (Cl. 188—79.5)

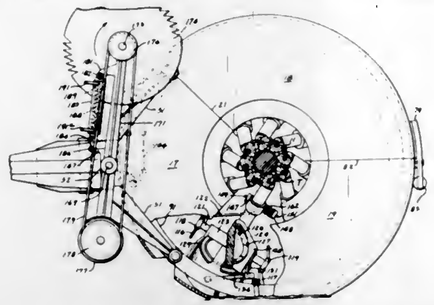


In a brake mechanism, a brake drum, a brake shoe mounted to normally provide a desired clearance between the shoe and the drum, means operable for advancing the brake shoe toward the drum, a pin projecting sidewise from the shoe, an elongated control plate having a hole in its outer end through which the pin extends, the hole being larger than the pin so as to allow of play of the pin in the hole corresponding to the normal clearance between the shoe and the drum and to leave the control plate unaffected by an advance of the brake shoe through the normal clearance, but to cause the control plate to be dragged outward when the brake shoe advances through a distance greater than the normal clearance, a fixed pin mounted inside the shoe and substantially on a level with the first pin, the control plate having an arcuate inner edge cooperable with the fixed pin in locking the plate against inward movement, and the said edge being cam shaped for wedging against the fixed pin when the plate is dragged outward to prevent return movement from a position of advance, and means biasing the plate toward wedging action.

2,583,971
APPARATUS FOR HARVESTING TREES
Hugh Shuff, Oneonta, Ala.
Application September 22, 1950, Serial No. 186,151
7 Claims. (Cl. 144—208)

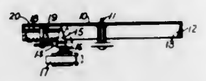
1. In apparatus for barking standing trees, an arcuate supporting frame section, a pair of other arcuate frame sections pivoted to the ends of the supporting frame section for movement laterally thereof and cooperable therewith and with each other to define a frame structure completely surrounding the trunk of the tree to be barked, means carried by the several frame sections and operatively connected thereto for moving the pivoted sections relative to each other for opening the frame for placing about the trunk of a

tree, a plurality of rotary driven cutting elements relatively arranged to define between them a cutting circle substantially co-extensive in periphery with the periphery of the tree trunk, means



to move the apparatus along the tree, and means operable to contract and enlarge the cutting circle formed by said cutters thereby to accommodate them to the body of the tree throughout its usable length.

2,583,972
SELECTABLE SPEED DRIVE FOR SOUND TRANSCRIPTION MECHANISMS
Sydney Simonson, Laurelton, N. Y., assignor, by mesne assignments, to Rek-O-Kut Company, Long Island City, N. Y., a partnership
Application June 24, 1950, Serial No. 170,193
28 Claims. (Cl. 74—191)



1. In combination in a selectable speed drive system, a first rotary member having thereon means defining a first conic drive surface, a second rotary member having thereon a second conic drive surface, said surfaces diverging from each other in one direction and converging in the other, an idler intermediate said members for transmitting drive torque therebetween having a conic idler drive surface adapted to engage said first and second conic surfaces and converging in the direction of convergence of said first and second conic surfaces, means mounting said idler for motion into and out of the convergence of said first and second conic surfaces, means biasing said idler in the direction of convergence, and means for moving the relative positions of the axes of rotation of said rotary members and idler to compress and decompress said idler between said rotary members whereby to move said idler against and with the biasing force of said biasing means to vary the drive ratio between said members depending upon the position of said idler in the direction of said convergence.

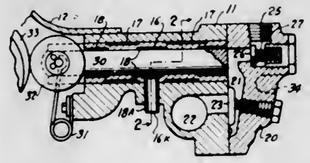
2,583,973
DIFFERENTIAL REFRACTOMETER
Robert Franz Stamm, Stamford, Thomas Mariner, Mount Joy, Robert Bowling Barnes, Stamford, and Charles Rule Stryker, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application November 13, 1948, Serial No. 59,904
5 Claims. (Cl. 88—14)

1. A differential refractometer comprising in combination and in optical alignment a source of monochromatic light, two hollow right angle prisms, symmetrically arranged apex to base, the prisms being provided with means through which liquid may be introduced, a mirror behind said prisms positioned to reflect the beam passing therethrough back through said prisms at a slight angle from the beam incident on said prisms, a photoelectric device having a sharply bounded sensitive area, means for forming a sharply focused image of the source on the plane



of the photoelectric device with a boundary line of the same shape as and parallel to the boundary line of the photoelectric surface, an electrical current indicator associated with said photoelectric device, adjustable means spaced from said prisms for producing relative movement between the photoelectric device and the image of the source across said boundaries and quantitative indicating means actuated by said means for producing relative movement.

2,583,974
FUEL PUMP CYLINDER AND PISTON
Caleb E. Summers, Orchard Lake, Mich.
Original application August 14, 1943, Serial No. 498,699, now Patent No. 2,414,617, dated January 21, 1947. Divided and this application January 9, 1947, Serial No. 720,993
1 Claim. (Cl. 309—3)



In a fuel pump of the cylinder and piston type, a body of metal having a relatively high coefficient of expansion, and a piston of relatively low coefficient of expansion, a sleeve lining mounted in said body and in which said piston is reciprocable, said sleeve being also of relatively low coefficient of expansion, means for maintaining piston clearance under varying temperature conditions, said means consisting of annular relieved portions inside and outside of said sleeve, said outer and inner relieved portions alternating longitudinally throughout the length of the sleeve and slightly overlapping.

2,583,975
ANTHRACENE-9,10-BIS METHANETHIOL
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 21, 1950, Serial No. 186,110
1 Claim. (Cl. 260—609)

The compound, anthracene-9,10-bis-(methanethiol).

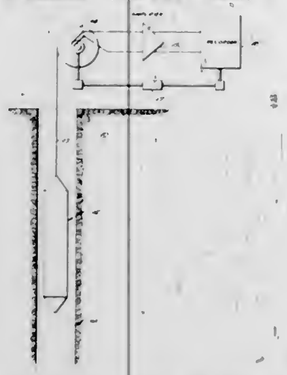
2,583,976

METHOD FOR NEUTRON WELL LOGGING

Jean M. Thayer, Gilbert Swift, and Robert E. Fearon, Tulsa, Okla., assignors to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware

Original application July 10, 1948, Serial No. 38,138. Divided and this application May 19, 1950, Serial No. 168,922

1 Claim. (Cl. 250—83.6)



A method of determining the space between a given source of neutrons and a given detector in a neutron well logging system that will minimize neutron-heavy particle processes which occur in the detector as a result of neutrons impinging on metallic elements of the detector that are exposed to the ionizable medium that comprises selecting a spacing that lies within the range of from 2 inches to 30 inches, making two neutron logs in a well in succession with that spacing, determining the ratio between the magnitudes of the random transitions on the logs and the average transitions occasioned by changes in formations penetrated by the well being logged, readjusting the spacing of the neutron source from the detector to make said ratio at least 1 to 3, and making a neutron log in any similar well while using the adjusted spacing.

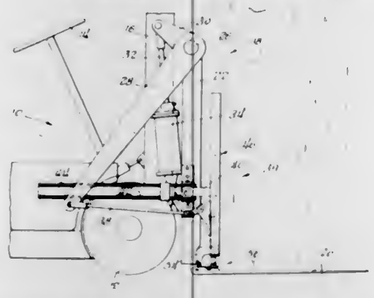
2,583,977

MEANS FOR HANDLING MATERIAL

George L. Turner, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application January 3, 1947, Serial No. 719,969

9 Claims. (Cl. 214—113)



1. In combination, a horizontally disposed load supporting member, means for transporting the load supporting member, load engaging means including a clamping device disposed horizontally above said supporting member and actuating means for operating the clamping device and for moving the load engaging means horizontally across the supporting member, said actuating means having a lost motion connection with the load engaging means and having a positive connection with said clamping device whereby movement of the actuating member in one direction serves first to open the clamping device and then to move the load engaging means and movement of the actuating member in the opposite direction is adapted first to close said clamping device and then to move the load engaging means in said opposite direction.

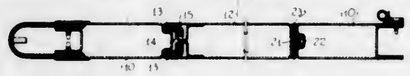
2,583,978

SAFETY CLOSURE

Michael Watter, Philadelphia, and John C. Lyon, Upper Darby, Pa., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 25, 1946, Serial No. 672,312

1 Claim. (Cl. 20—36)



A safety release closure retaining and sealing construction comprising in combination, a frame, a closure panel disposed within the frame and alone standing clear thereof, except on one perimetral side, in transverse planes passing between the perimetral sides of the closure panel and frame to permit the panel alone to be moved out of the frame toward either facial side by movement transversely of the plane of the frame, resilient elastic retaining and sealing strips between the panel and frame on all sides, the sealing strips on two opposite perimetral sides frictionally retaining the panel in the frame and permitting the panel to be moved transversely out of the frame against frictional resistance, the sealing strips on two other opposite perimetral sides being disposed between projections on the panel and frame to interpose shearing resistance to the removal of the panel transversely of the frame, the strips on the opposite facial sides of one of the last said two perimetral sides being removable by pulling out from an end, whereby when a pull strip is removed from one facial side the panel may be pushed out of the frame.

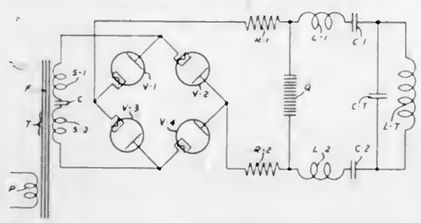
2,583,979

OSCILLATOR POWER SUPPLY APPARATUS

Otto Weitmann, Cedar Grove, N. J., assignor to Lepel High Frequency Laboratories, Inc., New York, N. Y., a corporation of New York

Application November 17, 1948, Serial No. 60,501

7 Claims. (Cl. 250—37)



1. In combination a high reactance transformer having primary and secondary windings, a source of alternating voltage for the primary winding, a rectifier energized from the secondary winding, an oscillatory circuit including a quenched spark gap arranged to be energized from the said rectifier, and a capacitor connected into the said secondary winding for providing a resonance condition in the said winding to obtain a peak voltage coincident with the adjustment of gap break down potential.

2,583,980

UNSATURATED DIESTERS OF HYDRAZODICARBONIC ACID AND POLYMERS THEREOF

Lynwood N. Whitehill, Berkeley, Calif., and William M. McLamore, Cambridge, Mass., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 22, 1946, Serial No. 642,746

10 Claims. (Cl. 260—77.5)

1. A symmetrical diester of hydrazodicarbonic acid and a monohydric alcohol of 2 to 18 carbon atoms containing an olefinic linkage.

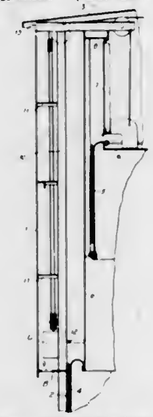
2,583,981

DRY SEAL PRESSURE TYPE GASHOLDER

John H. Wiggins, Chicago, Ill.

Application November 18, 1947, Serial No. 786,579

2 Claims. (Cl. 48—178)



1. A gas-holder, comprising a casing having a side wall whose uper portion is offset outwardly relatively to the lower end of said wall, a vertically-movable piston in said casing; a vertically-movable, annular backing member arranged in the space between the piston and the casing side wall, a coacting annular backing member on the top side of the piston, disposed in telescoped relation with said vertically-movable backing member, a flexible sealing element attached to the casing side wall and to the lower end portion of said vertically-movable backing member, a second flexible sealing element attached to said vertically-movable backing member and to the peripheral portion of the piston, and an inspection walk-way extending circumferentially around the interior, of the outwardly offset portion of the casing side wall, at level which is adjacent the lower end of said vertically-movable backing member when the piston is at the end of its upward stroke.

2,583,982

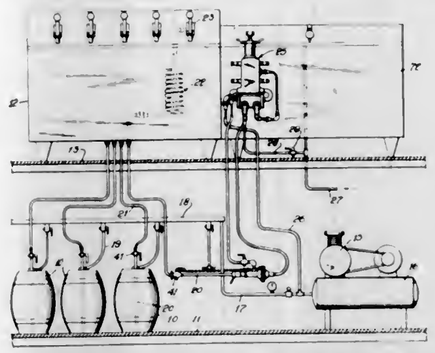
CLEANING AND TESTING APPARATUS FOR BEER DISPENSING SYSTEMS

Michael J. Zwosta and Joseph M. Zwosta, Brooklyn, N. Y.

Application May 2, 1950, Serial No. 159,528

8 Claims. (Cl. 225—12)

1. Cleaning apparatus of the character described, comprising a mixing tank, an opening in said mixing tank through which cleaning material may be introduced into said mixing tank, a closure for said opening, a pipe providing communication between said mixing tank and a water supply source, a manually controlled valve in said pipe controlling the flow of water into said mixing tank, a second pipe providing communication between said mixing tank and a compressed air source, a manually controlled valve in said second pipe controlling the flow of compressed



air into said mixing tank, a receptacle for a beer rod, a third pipe providing communication between said mixing tank and said beer rod receptacle, a manually controlled valve in said third pipe controlling the flow from said mixing tank to said receptacle, a compressed air controlled diaphragm valve in said third pipe, also controlling the flow from said mixing tank to said receptacle, and a fourth pipe providing communication between said second pipe and said diaphragm valve.

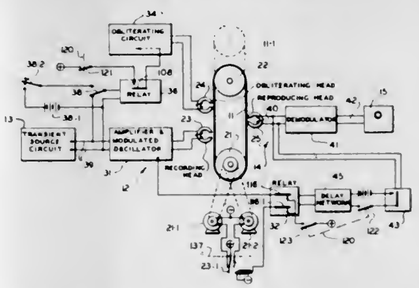
2,583,983

FREQUENCY MODULATED MAGNETIC RECORDING AND REPRODUCING

John P. Arndt, Jr., Euclid, and John E. Shomer, Jr., Cleveland, Ohio, assignors to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application May 23, 1947, Serial No. 749,932

5 Claims. (Cl. 171—95)



1. In a recording system for carrying on magnetic record transducing operations, such as recording or reproducing desired electric signals by magnetic flux interlinkage between a magnetic record transducing structure and a moving magnetic record track moving relatively to each other at a predetermined speed: carrier means for providing an electric carrier wave of a carrier frequency which is reproducibly recordable on said medium at said relative speed; modulating means for subjecting said carrier wave to frequency modulation by said signal with a maximum frequency deviation which is of the order

of the maximum frequency of said desired signal so as to provide a frequency modulated carrier wave which is modulated in accordance with the desired signal; a magnetic recording medium; record transducing means for magnetically recording on said recording medium magnetic signals corresponding to said modulated carrier wave, said carrier frequency and said frequency deviation being so chosen in relation to the highest frequency of the desired signal that the maximum frequency swing shall be of the order of the carrier frequency.

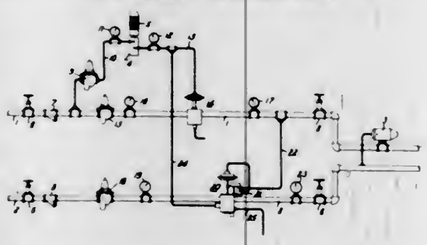
2,583,984
PRODUCTION OF NITRILES
Paul Arthur, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 30, 1950, Serial No. 182,411
7 Claims. (Cl. 260—465.3)

1. A process for the production of nitriles which comprises subjecting a mixture of 1,3-butadiene, cuprous cyanide, a ferric halide taken from the group consisting of ferric chloride and ferric bromide, a sufficient quantity of water to form at least some hexahydrate with the ferric halide and an aromatic hydrocarbon that is liquid at reaction temperature to a temperature above about 75° C.

2,583,985
CEMENTITIOUS COATINGS OR PAINTS AND METHOD OF MAKING
Steven B. Avery, East Orange, N. J.
No Drawing. Application January 5, 1950, Serial No. 137,027
2 Claims. (Cl. 106—89)

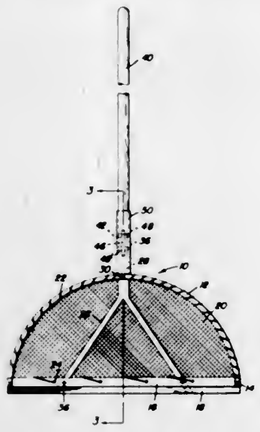
1. A cementitious coating material produced by hydrating a mixture comprising cement of the Portland type and stannous chloride, the ratio of stannous chloride to cement being in the order of four parts by weight of stannous chloride to sixty-five parts by weight of cement, and exposing the mixture to the atmosphere, whereby the stannous chloride is converted to water-insoluble stannous oxychloride, which substantially fills the pores and voids of the cement.

2,583,986
ATOMIZER SYSTEM
Agnew H. Bahnson, Jr., Winston-Salem, N. C.
Application February 8, 1944, Serial No. 521,549
4 Claims. (Cl. 137—78)



1. A fluid supply system comprising a gas supply line and a liquid supply line, a control valve in said gas supply line, means associated with said control valve for operating the same and regulating the flow of gas through said gas supply line independently of variations in pressure in the liquid supply line above a preselected value, valve means in the liquid supply line responsive to variations in the pressure of gas in the gas supply line to regulate the flow of liquid through the liquid supply line, and means responsive to pressure in said liquid supply line for closing said control valve on the gas supply line when said liquid pressure drops below said preselected value, said last named means comprising a motor for operating said control valve, and means responsive to the pressure of the liquid at the inlet side of said valve means for effecting a valve-closing operation of said motor.

2,583,987
COLLAPSIBLE MINNOW NET
William K. Balsor, Progress, Pa.
Application September 8, 1949, Serial No. 114,525
1 Claim. (Cl. 43—12)

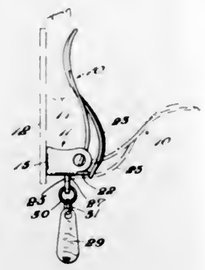


A collapsible minnow net comprising a frame member including an arcuate bar and a transverse bar terminally secured to the free ends of said arcuate bar, a net suspended upon said frame member, a Y-shaped brace having divergent legs terminally secured to said transverse bar and an arm secured to said arcuate bar and including a bifurcated portion extending beyond said arcuate bar, an elongated handle having a bifurcated portion at one of its ends, means pivotally securing said handle to said arm and including a link received between the furcations of said handle and said extending portion of said arm and pivot pins extending through the ends of said link and said furcations, and means for securing said handle against pivotal movement on said arm, said last means including a sleeve slidable on said handle and adapted to embrace said link and said pivot pins.

2,583,988
CLASP
Frederick A. Ballou, Jr., Providence, and Rogers T. Stafford, East Providence, R. I., assignors to B. A. Ballou & Co., Incorporated, a corporation of Rhode Island
Application May 27, 1949, Serial No. 95,716
5 Claims. (Cl. 24—252)

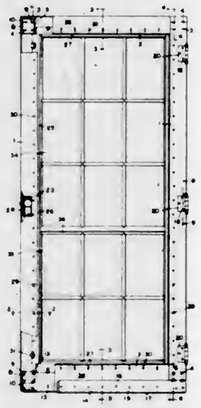
1. A finding for a clasp comprising a sheet metal mounting member having spaced end walls with a bottom wall between and a mounting flange at right angles to said end and bottom walls, a jaw pivotally mounted on said end walls, a spring tongue carried by said jaw and engaging a portion of said bottom wall to urge said jaw about its pivotal mounting when in closed

position, and an abutment sheared and projecting from said bottom wall in a position to be



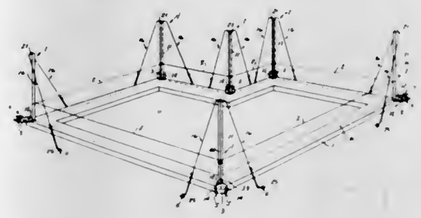
engaged by the end of said tongue to limit the opening movement of the jaw.

2,583,989
ADJUSTABLE DOOR
James B. Bamberg, Cleveland, Ohio
Application October 10, 1946, Serial No. 702,489
3 Claims. (Cl. 189—46)



1. A door for a wall opening comprising a pair of main parallel sheet metal rigid channels spaced apart from each other edgewise and opening toward each other, a second pair of main parallel sheet metal rigid channels spaced apart from each other edgewise and opening toward each other, said second pair of main channels extending generally at right angles to the first pair in the plane of the door and having their end portions telescopically and slidably interfitting with end portions of the first pair, at least one main channel of one of said pairs being slidable edgewise of the main channels of the other of said pairs to different adjusted positions, and the other main channel of said one pair being slidable universally in the plane of the main channels, relative to the main channels of said other pair, means respective to and connecting the portion of each channel to that portion of another one of the channels which is in telescoped relation to the first mentioned portion for securing the main channels together in an adjusted position, auxiliary channels respective to and supported by said main channels, each auxiliary channel being generally parallel to, and telescopically received in, and slidable relative to its associated main channel and each being open toward the base of its associated main channel whereby the auxiliary channels may be slid to different adjusted positions in the plane of the main channels independently of the other auxiliary channels, means respective to the auxiliary channels for securing the auxiliary channels to their associated main channels in adjusted position, said auxiliary channels having inner margins defining an opening for a panel when the auxiliary channels are mounted in the main channels, and a panel secured to and supported by said auxiliary channels and closing said opening.

2,583,990
CORNER GUIDE AND LINE SUPPORTING DEVICE FOR MASONRY CONSTRUCTIONS
Richard A. Baumer, Huron, Ohio
Application April 21, 1950, Serial No. 157,274
10 Claims. (Cl. 33—85)



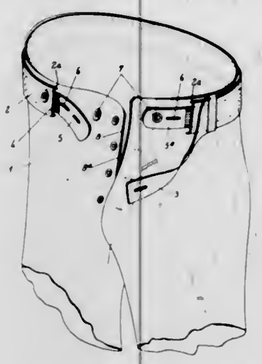
1. A device for the purposes described and comprising a base plate adapted to rest in predetermined position on a foundation footing, clamping means on the base and operable to clamp the base plate firmly to a stake adjacent the footing when the base plate is in said position, a rigid elongated guide element adapted to be supported at its lower end by the base plate in approximately upright position, interengageable positioning means on the guide element near said lower end and on the base plate, respectively, and operable to detachably engage with each other and hold the said lower end of the guide element substantially in alignment vertically with a predetermined portion of the base while affording limited rocking movement of the guide element into and out of upright position, bracing legs for the guide element, each leg being independently adjustable lengthwise, connecting means respective to the legs, each connecting means connecting its associated leg to the guide element in spaced relation above the lower end thereof for generally universal pivotal movement with respect to the guide element, and each of said legs being adapted to extend outwardly from its connecting means beyond the lateral limits of the base plate when the guide element is mounted thereon.

2,583,991
HETEROGENEOUS, ACIDIC HYDROLYSIS OF POLYMERIC ESTERS WITH ALKYL PHOSPHORIC ACID ESTERS
Roe C. Blume, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 5, 1947, Serial No. 772,457
19 Claims. (Cl. 260—91.3)

1. A process comprising the heterogeneous hydrolysis of water-insoluble polymeric carboxylic acid esters in aqueous media containing a strong orthophosphoric acid ester selected from the group consisting of mono- and dialkyl orthophosphoric acid esters the alkyl groups of which

have from three to ten carbon atoms, these said acid esters being appreciably soluble in the said polymeric esters in the presence of water.

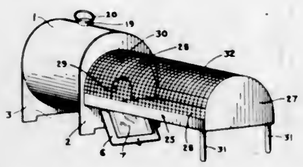
2,583,992
TROUSER WAISTBAND CONSTRUCTION
Michel René Bouteloup, Neuilly sur Seine, France
Application January 7, 1949, Serial No. 69,687
In France January 15, 1948
1 Claim. (Cl. 2—237)



In a garment of the trousers type provided with a fly opening having means cooperating to close said opening, the combination of: a waist band; a hem-casing, partially and unobstructedly enveloping, and carried by, said waist-band; said hem-casing terminating at each of its two ends in a transverse aperture, each of said apertures being slightly and equally distant from said fly opening on each side thereof; an elastic strap located, and freely movable, within said hem-casing and having substantially identical non-elastic terminal tabs respectively attached to its two free ends, each of said tabs having at least one fastening device; said elastic strap and its end tabs being adapted to emerge equally and simultaneously from both of said apertures; at least a pair of fixing devices respectively attached to said waist-band on each side of said fly opening and substantially symmetrically to each other between said transverse apertures and said fly opening, said fixing devices cooperating respectively with the said fastening device located on the same side of the waist band relative to the fly opening, whereby said strap and tabs form a belt the tension of which may be adjusted on said waist-band immovably and equally on each side of said fly opening by means of said fastening and fixing devices without overlap of said belt over said fly opening; a covering tab attached at one end to said hem-casing near one of said apertures, directed towards said fly opening and having a tying device near its free end, and fastening means attached to said hem-casing near the other of said apertures and cooperating with said tying device, whereby said covering tab covers said fixing and fastening devices.

2,583,993
APPARATUS FOR ARTIFICIAL DEVELOPMENT OF GERM ORGANISMS
Emil A. Braun, Bloomfield, N. J.
Application December 31, 1946, Serial No. 719,492
5 Claims. (Cl. 219—35)

1. In an apparatus for artificial development of germ organisms, a housing comprising a cylindrical shell, a front and a back attached to the ends of said shell and projecting below the lowermost part of the shell to form supports for the housing, an L-shaped supporting plate disposed in said cylindrical shell and connected to the front portion of the housing, said front provided with a door opening to provide communication with said L-shaped supporting plate inside the housing, a door for said door opening removably connected to said front portion, a transparent panel in said door to allow the area of said housing enclosed by the supporting plate to be viewed therethrough, a thermo-switch within said housing adjacent the L-shaped supporting plate whereby one arm thereof will form a guard



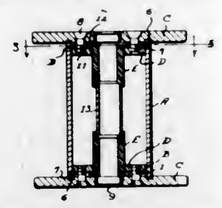
for said thermo-switch, a heating element in said housing above said L-shaped supporting plate to cause germination of germ organisms placed on said support plate in the housing, said heating element being electrically connected to said thermo-switch whereby the same is energized and deenergized by said thermo switch, means operatively associated with said heating elements for supporting said heating elements, heat and light deflector plates disposed in said housing about said heating elements, a handle for carrying said apparatus, and means connecting said handle with said supporting means and said heating elements for holding them in position above said supporting plate.

2,583,994
WOOD PULP DIGESTION
Ben T. Briggs, Shelton, Wash., assignor to Rayonier Incorporated, Shelton, Wash., a corporation of Delaware
No Drawing. Application June 21, 1946, Serial No. 678,360
2 Claims. (Cl. 92—13)

1. In the production of pulp of high alpha cellulose and low pentosan content from wood chips, the improved method which comprises subjecting wood chips to a treatment which consists essentially of subjecting them to the direct action of steam at a temperature of from 160° C. to 200° C. for a period of from 20 to 90 minutes, said treatment continuing after acid resulting therefrom has formed in the chips, and promptly digesting the steam-treated chips with an alkaline cooking liquor in which the alkali to wood ratio (weight of sodium hydroxide plus sodium sulfide, if any, expressed as Na_2O per unit weight of bone dry chips) is from 0.14 to 0.30 at a temperature of from 160° C. to 180° C. for from 1 to 4 hours.

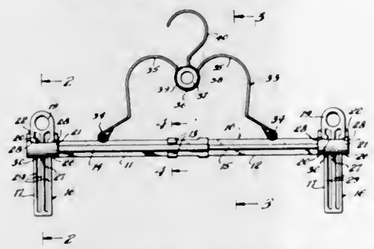
2,583,995
BOBBIN
Lester F. Burlein, Honesdale, Pa., assignor to Cloverleaf-Freeland Corporation, Honesdale, Pa., a corporation of Pennsylvania
Application July 13, 1948, Serial No. 38,385
14 Claims. (Cl. 242—124)

1. In a bobbin, spool, or the like, an open-ended barrel, a resilient ring within the barrel adjacent an end thereof and having resilient interlocking connection with the barrel, an element behind the ring and held against outward movement from the barrel by the ring, a head on the



barrel end, and means detachably securing the head to the element and clamping the head to the barrel.

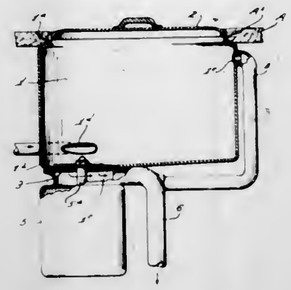
2,583,996
GARMENT HANGER
John J. Cavanagh, Hicksville, N. Y.
Application October 18, 1949, Serial No. 122,051
2 Claims. (Cl. 223—96)



1. In a trousers hanger, a hanger bar including a pair of rigid linear strap sections each having an inner end formed with means defining a channel with the channeled ends of the sections interengaging to connect the sections together for guided relative longitudinal movement with reference to each other, a clamp for each section including a pair of clamping jaws, a pair of oppositely disposed bowed spring side portions having upwardly extending ends, said side portions having slots for receiving the clamping jaws therethrough with the upper ends of the jaws extending upwardly beyond the side portions and the lower ends of the jaws extending downwardly between the side portions and with said side portions exerting an inward tension against the jaws, said linear sections each having upwardly projecting portions at their outer ends, means rigidly securing said upwardly projecting portions of the linear sections to said upwardly extending ends of said arcuate side portions for securing the clamps to the sections for movement therewith, said clamping jaws having longitudinally extending ribs, and the lower edges of said arcuate side portions being serrated for receiving the ribs of the clamping jaws for retaining the same against movement with reference thereto.

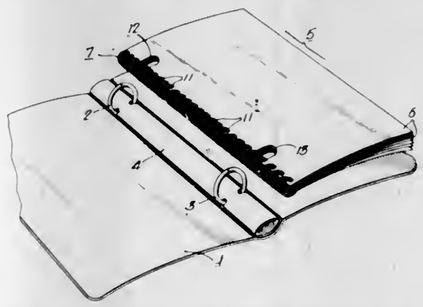
2,583,997
GARBAGE DISPOSAL APPARATUS
Frank R. Chester, Santa Monica, Calif.
Application October 23, 1946, Serial No. 705,093
2 Claims. (Cl. 241—46)

1. In a garbage disposal apparatus, a receptacle having a garbage-receiving opening at its upper portion, said receptacle having a discharge opening in the bottom of the receptacle, at one side only of the center of the bottom, and a discharge drain connected to the discharge opening, a cutter positioned over the discharge opening, said cutter being rotatable about a vertical axis, means for rotating the cutter, and a supply of water, under pressure, connected tangentially through the side wall of the recep-



tacle, the water-connection being capable of rotating the garbage in the receptacle in a direction opposite to the direction of rotation of the cutter, said cutter having deflecting surfaces operative to direct the water and cut material downwardly through said discharge opening.

2,583,998
BOOK
Carl B. Cook, Haddonfield, N. J.
Application October 28, 1949, Serial No. 124,136
5 Claims. (Cl. 281—19)

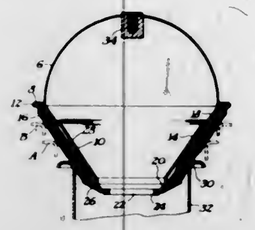


1. A book comprising a cover member, a filler unit having a plurality of leaf elements and a binder having interlocking engagement individually with an edge portion of each leaf element and uniting said elements, said leaves having openings in the said edge portions thereof intersected by said binder, and filler-retaining rings on said cover member embracing the said binder where it intersects the said openings whereby displacement of the filler unit from the cover member in direction radially of the rings is prevented solely by the inter-engagement of the rings with the binder.

2,583,999
FLUSH VALVE
Oren F. Culver, Rochester, N. Y.
Application April 26, 1950, Serial No. 158,272
4 Claims. (Cl. 4—56)

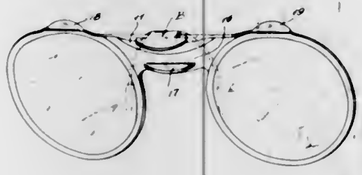
1. A buoyant flush valve head of the character described in which a two-part hollow rigid body is provided composed of an upper dome having an outwardly flanged lower edge, and a tapered lower portion in the general form of an inverted truncated cone open at the bottom, wherein the

upper edge of the lower portion embraces such flange to form a projecting seam, and a yielding conical facing band encircles the lower portion to make contact with a valve seat and has its



upper edge wholly below but abutting the seam, the latter being wider than the thickness of the adjacent edge of the facing band to project laterally beyond the same as a fender protecting said edge on lateral movements of the head.

2,584,000
SUNSHADE AND OTHER AUXILIARY SPECTACLES
William C. Ehlert, Warrensville Heights, and Frank J. Schneider, Jr., Pepper Pike Village, Ohio, assignors to Domar Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 28, 1948, Serial No. 41,004
1 Claim. (Cl. 88—41)

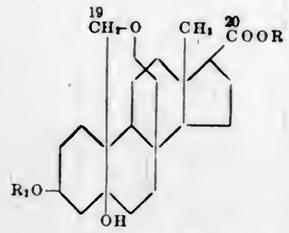


A pair of auxiliary glasses adapted to be supported upon a pair of ordinary spectacles, said glasses comprising a pair of lenses interconnected at their opposing upper portions by a relatively thin, substantially straight, generally horizontal plastic bridge, a recess extending downwardly from the upper edge of said bridge to define opposing side walls and a bottom, the portion of the bridge surrounding said recess being of relatively thickened cross-section, a horizontal shaft extending across said recess and into slotted portions of the opposing side walls thereof, said shaft having a substantial portion of its ends embedded in the thickened portion of said bridge by closing the top edges of the slots so as to fixedly support the shaft in said opposing side walls, a spring biased clip assembly rotatably mounted on said shaft, said assembly including a clip, a coiled spring mounted on said shaft with a portion bearing on said clip and a portion bearing on the bottom of said recess for holding the clip in closed position, and a pair of downwardly extending mounting ears on said clip provided with mounting openings through which said shaft passes, said ears being spaced apart a distance substantially equal to the length of the recess to position each ear adjacent a wall of the recess whereby the clip is held against axial movement along said shaft.

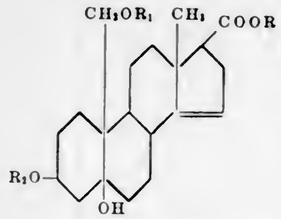
2,584,001
CYCLOPENTANOPOLYHYDROPHENANTHRENE DERIVATIVES
Maximilian R. Ehrenstein, Philadelphia, Pa., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application December 20, 1950, Serial No. 201,887
7 Claims. (Cl. 260—239.55)

1. A compound selected from the group consisting of:

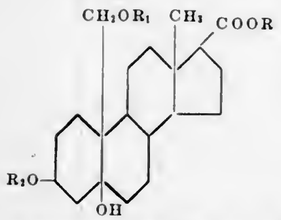
(a)



(b)

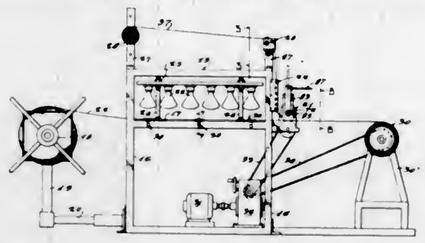


(c)



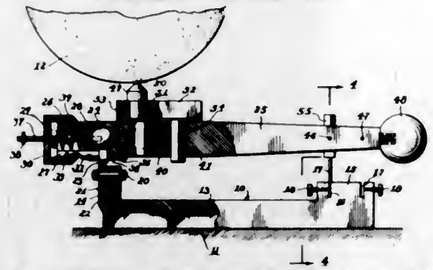
in which R is selected from the group consisting of hydrogen and a lower alkyl radical, R_1 is selected from the group consisting of hydrogen and a lower acyl radical, and R_2 is selected from the group consisting of hydrogen and a lower aliphatic acyl radical.

2,584,002
METHOD AND APPARATUS FOR BONDING CLOSURE MATERIALS
William F. Elser, Toledo, Ohio, and Kenneth L. Richard, Pitman, N. J., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application November 28, 1950, Serial No. 197,932
11 Claims. (Cl. 154—37)



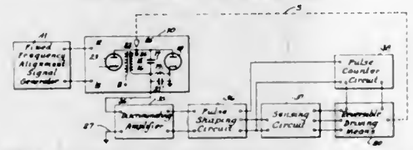
1. The method of bonding a thin sheet of impervious membrane material to a wax-coated material which comprises heating said wax-coated material and bringing it into contact with the sheet material, and applying pressure to the sheet material and wax-coated material at a multiplicity of isolated points.

2,584,003
GRINDING WHEEL PROFILE DRESSING DEVICE
Nikolaus Engelmann, Philadelphia, Pa.
Application June 6, 1950, Serial No. 166,422
7 Claims. (Cl. 125—11)



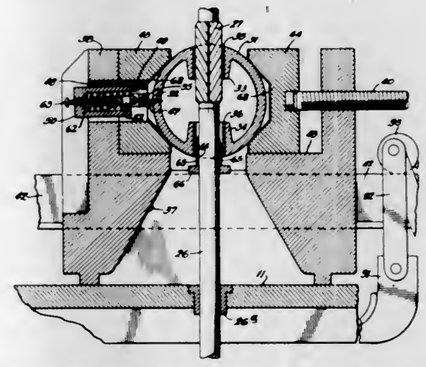
1. A grinding wheel profile dressing device comprising a frame having an upright arm at the head end and provided with means at the tail end to hold a template, a ball structure including a finger, a shank and a ball, means passing through the head arm and finger to swingingly adjustably mount the ball structure on the frame, a lever having a longitudinal bore in the head end and a slot on the underneath side of said lever and communicating with and of the same length as said bore, the bottom of said bore being semi-spherical to constitute a portion of a socket for the ball, a block slidably mounted in the bore and provided with a semi-spherical surface opposed to the bottom wall of said bore and forming therewith the complete socket to receive the ball with the shank in the slot, means to hold the block in the bore of the lever, said means including a cap detachably mounted on the head end of the lever and a spring in the bore engaging said cap and block said lever having two separate pairs of holes therethrough all in parallel relation to one another and in line with an axis through the ball and its shank and finger, one pair at the tail end of said lever and the other pair adjacent the ball and socket joint between it and the holes at the tail end, the holes of each pair being spaced and the same distances, a grinding wheel cutting means selectively mounted in either one of the pair of holes adjacent the ball and socket joint, and a follower having a chisel point selectively and adjustably mounted in either one of said other pair of holes.

2,584,004
METHOD AND APPARATUS FOR AUTOMATICALLY ALIGNING ELECTRICAL CIRCUITS
Kurt Enslein, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application April 20, 1950, Serial No. 157,160
19 Claims. (Cl. 250—40)



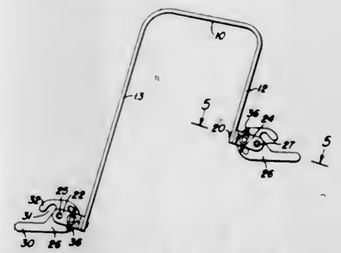
1. The method of adjusting the tuning of a resonant circuit to a predetermined frequency which comprises the steps of, energizing said circuit at said predetermined frequency, varying the tuning of said resonant circuit in a predetermined direction, deriving a signal from said resonant circuit indicative of the passage of said resonant circuit through said predetermined frequency and reversing the direction of tuning of said resonant circuit in response to said signal.

2,584,005
LINE REAMING AND BORING MACHINE
William H. Evans, Chicago, Ill.
Application February 1, 1950, Serial No. 141,809
4 Claims. (Cl. 77—63)



1. In a reaming apparatus, a work holder for supporting a piston having a slot in the skirt thereof, clamping means for securing said piston to said work holder including members for gripping the skirt of said piston, and a wedge attached to said work holder by members providing a universal mounting for said wedge to permit the positioning of said wedge squarely within the slot of said piston while securing said piston to said work holder, whereby the skirt of said piston is rendered solid and protected against being distorted by said clamping means substantially independent of the particular width and position of said slot.

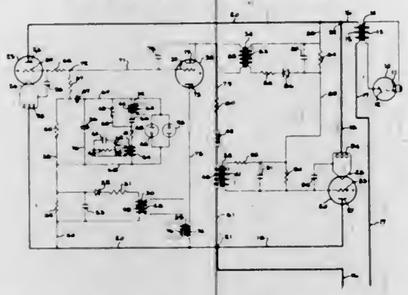
2,584,006
TRAY HOLDER FOR AUTOMOBILES
Wesley D. Finger, Rochester, N. Y.
Application September 6, 1950, Serial No. 183,420
5 Claims. (Cl. 211—86)



2. A portable holder for trays and the like comprising a U-shaped frame engageable over the back of a seat with one leg of the frame depending in front of the seat and with the other leg of the frame depending at the back of the seat, a tray-supporting member secured to the front leg of the frame to project forwardly therefrom, and a tray-supporting member secured to the rear leg of the frame to project rearwardly there-

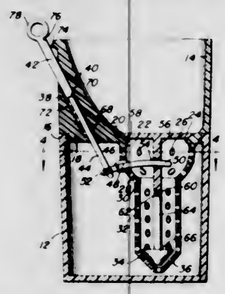
from, each supporting member having a ledge portion on which the bottom of a tray may rest, a recess for receiving the side wall of a tray and a jaw depending in front of said recess to engage the inside of said side wall and hold the tray on the member.

2,584,007
ELECTRONIC CONTACTOR
Robert E. Fischer, Cincinnati, Ohio, assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio, a corporation of Ohio
Application December 1, 1950, Serial No. 198,603
18 Claims. (Cl. 315—354)



1. A timing system for use in supplying current through a load from an alternating current voltage supply comprising, gas-filled, grid-controlled electronic tubes having their respective anodes and cathodes inversely connected in parallel and constituting lead and trail electric valves, means for negatively biasing the control grids of said lead and trail valves to render them non-conductive, first circuit means including a peaking transformer energized at the frequency of the alternating current supply for removing the negative bias of the grid of the lead valve to cause it to become conductive, the said first circuit means including a phase shifting device for causing the peak of the peaking transformer voltage to appear at the grid of the said lead valve after voltage zero in the cycle of the alternating current supply voltage and before the natural power factor angle thereof, and second circuit means responsive to the voltage of the peaking transformer for removing the negative bias of the grid of the trail valve to cause it to become conductive independently of a conductivity state of the lead valve.

2,584,008
CONTAINER
James C. Fioretti, El Paso, Tex.
Application March 5, 1948, Serial No. 13,121
9 Claims. (Cl. 220—20.5)



1. A container comprising threadingly connected upper and lower cup members, said upper cup member having a bottom wall supported on the upper end of the lower cup member and an opening in said bottom wall, a perforated support integrally formed with the bottom wall and depending therefrom into said lower cup member, a strainer removably carried by and depending from said support and disposed entirely within said lower cup member, a valve member having a head portion adapted to close the opening in said bottom wall, said valve member including a stem extending downwardly into said strainer, a rod slidably mounted in said strainer and secured to the lower end of said stem for movement therewith, said rod having a lower end, a plunger head secured to the lower end of said rod, means for actuating said valve member, and means urging said valve member to a closed position.

2,584,009
FERMENTATION PROCESS
Jackson W. Foster, Austin, Tex., and Lloyd Everett McDaniel, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application September 27, 1947, Serial No. 776,612
4 Claims. (Cl. 195—36)

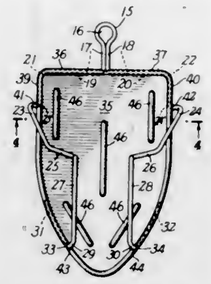
1. The process that comprises propagating a penicillin producing strain of a mold belonging to the genus Penicillium in a culture medium under aerated submerged conditions for about 2–3 days, withdrawing a portion of the fermented broth just prior to the time that penicillin content of the broth reaches a maximum, and adding an equivalent amount of fresh culture medium having substantially the same composition as the original medium, continuing the fermentation until the penicillin content of the broth again approaches a maximum, again withdrawing a portion of the broth and adding an equivalent amount of fresh culture medium, and continuing such withdrawals of broth and additions of fresh culture medium after successive 5 to 6-hour periods of fermentation until the combined amount of the withdrawn portions of broth is at least equal to the original volume of the culture medium, and thereafter until the withdrawn broth shows a distinct drop in penicillin content, and collecting the withdrawn portions of broth for recovery of penicillin therefrom.

2,584,010
DROP FOOT BRACE
Lillian M. Goffredo, New York, N. Y.
Application January 10, 1948, Serial No. 1,502
1 Claim. (Cl. 128—80)



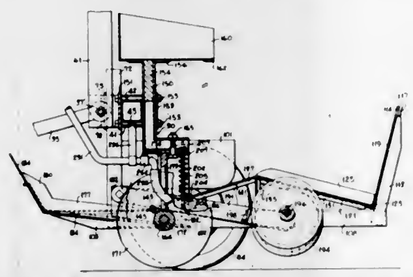
Foot supporting means, comprising, the combination with a shoe having lace eyelets at the front thereof, a removable ankle band, an elastic lace passing through at least one of said eyes, and a ring freely supported in a loop on the front of said ankle band adapted to have the ends of said elastic lace adjustable tied thereto.

2,584,011
IRON HOLDER OR THE LIKE
Morris Greenberg, Brooklyn, and Cornelius S. Lefferdink, Westchester, N. Y., assignors to Metalmasters, Inc., East Orange, N. J., a corporation of New Jersey
Application May 29, 1950, Serial No. 164,902
3 Claims. (Cl. 248—117.3)



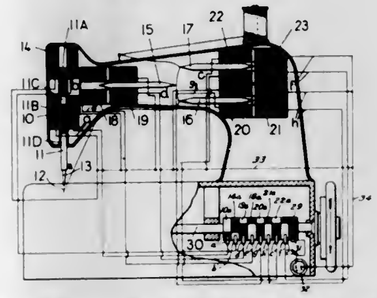
3. An iron holder comprising a base, an enveloping plate for said base, a wire frame held to said base by said enveloping plate, said wire frame comprising a loop portion defined by spaced branches, including diverging portions following the shoulder portions of the base and bent to form two upstanding arms inwardly and centrally directed, with the terminal edges of the branches supported in the flange holding said enveloping plate to said base plate.

2,584,012
TRANSPLANTER ATTACHMENT
Joseph Curtis Griffin, Branford, Fla.
Application July 21, 1949, Serial No. 106,025
1 Claim. (Cl. 111—85)



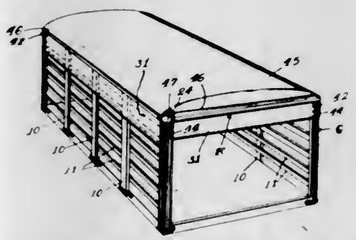
In a transplanter having a transverse frame member supported on wheels, a unitary furrow opening and closing attachment, said attachment comprising an inverted U-shaped member having legs supporting a shaft, bracket means secured to said U-shaped member for connection to said frame member to dispose said U-shaped member with the legs thereof in transverse alignment and said shaft parallel to said frame member, furrow opening means mounted on said shaft between said legs, support means secured to said legs and extending forwardly thereof, a pair of transversely spaced arms pivoted at their front ends to said support means forwardly of said legs and extending rearwardly beyond said U-shaped member, the intermediate portions of said arms being disposed within said U-shaped member between said legs and above said shaft, the rear end of each arm carrying a furrow closing wheel, and spring means between said U-shaped member and said intermediate portions of said arms to urge said arms downwardly, whereby the furrow closing wheels will resiliently engage the earth to close the furrow when the furrow opening means is in lowered operative position and the furrow closing wheels will be raised when said furrow opening means is raised and said shaft engages said arms.

2,584,013
SEWING MACHINE
Arne Hagquist, Oslo, Norway
Application May 9, 1949, Serial No. 92,096
In Norway May 13, 1948
2 Claims. (Cl. 112—241)



2. An electromagnetic sewing machine comprising a solenoid, an armature adapted to reciprocate within said solenoid, a needle rod secured to said armature, a neede thread take up comprising opposed armatures each carrying a thread eye, solenoids associated with said opposed armatures to reciprocate the same in opposite sense with respect to each other, and commutator means to control the operation of all of said solenoids in timed relation to each other.

2,584,014
TRUCK TOP
George L. Harper, La Cygne, Kans.
Application February 2, 1948, Serial No. 5,771
3 Claims. (Cl. 296—137)



1. A removable truck top structure comprising a plurality of stakes, means for securing the same vertically at the sides and ends of a truck body, each corner of the truck body having two stakes adjacent thereto, a plurality of horizontal members secured to the inner surfaces of the stakes, roof bows disposed transversely of the structure between opposite top longitudinal horizontal members, each bow having a vertical end portion secured to a top horizontal member and extending a substantial distance above the same, a roof

overlying said bows and projecting at its opposite longitudinal edges a substantial distance laterally beyond the vertical end portions of the bows to overlie the upper ends of stakes disposed along opposite longitudinal sides of the structure, said roof also projecting at its two ends a substantial distance beyond and over the top ends of the stakes at the ends of the structure, a tubular housing extending longitudinally of each side of the structure and transversely of the ends, each tubular housing being disposed between the projecting portion of the roof and the top ends of the underlying stakes, each of said tubular housing having a downwardly directed longitudinal slot, a roller curtain rotatably supported in each tubular housing and extending downwardly through the slot thereof, and means for securing each roller curtain at a vertical edge when the curtain is drawn downwardly through the housing slot.

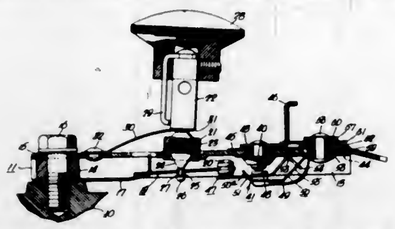
2,584,015
ADJUSTABLE FITTING
Albert Henry Hawes, Erdington, Birmingham, England, assignor, by mesne assignments, to Kwikform Limited, Small Heath, Birmingham, England, a British company
Application November 6, 1945, Serial No. 627,002
In Great Britain November 6, 1944
4 Claims. (Cl. 248—354)



1. A support for scaffolds and the like comprising a base, a bar having a multiple thread of elongated pitch swivelly connected to said base, and a nut loosely mounted and rapidly movable on said bar, a tubular extension slidable over said bar and resting on said nut, said nut having an internal thread corresponding to that of the bar, said nut having means thereon for locking same to the bar at any point along its length, said nut having an open socket at its upper end to support said tubular extension, said extension being loosely and removably supported in said socket.

2,584,016
THERMOSTATIC SWITCH
Henry F. Hild, Merion Park, Pa., assignor to Proctor Electric Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 22, 1950, Serial No. 197,069
5 Claims. (Cl. 200—139)

5. In a thermostatic switch, a fixed contact, means providing a surface adjacent said contact and in fixed relation thereto, a rigid lever having a fulcrum portion engageable with said surface and also movable therefrom, a contact on said lever engageable with said fixed contact, a spring member pivotally engaging said lever and urging it in a direction to close said contacts, and a thermostatic element engaging said lever and

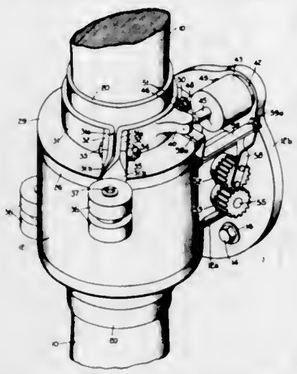


serving to control the movement thereof, the movement of said lever in opposite directions causing the contact thereon to slide on said fixed contact.

2,584,017
WASHING COMPOSITION
Vladimir Dvorkovitz and Thomas G. Hawley, Jr., Chicago, Ill., assignors to The Diversey Corporation, a corporation of Illinois
No Drawing. Application September 30, 1947, Serial No. 777,112
3 Claims. (Cl. 252—156)

1. A composition consisting essentially of a mixture of 1 to 20% sodium gluconate and 99 to 80% alkaline material, with some of the alkaline material being sodium carbonate in an amount up to about 10% thereof and the remainder being sodium hydroxide.

2,584,018
CONTROLLABLE PITCH PROPELLER
Edward M. Hughes, Lincoln Park, N. J.
Application April 14, 1947, Serial No. 741,350
8 Claims. (Cl. 170—160.31)

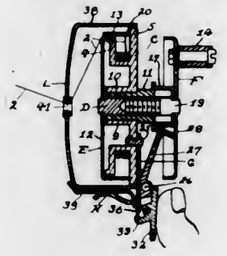


1. In a controllable pitch propeller which includes individually adjustable blades mounted in a rotatable hub, adjustable ring clamps fastened to the butt end portions of respective blades, counterweights carried by said adjustable ring clamps, and operating arms extending from said adjustable ring clamps at predetermined positions relative to said counterweights, the combination of actuating means disposed exteriorly of said hub and in proximity to the respective operating arms, for turning said blades about their respective blades axes to vary the blade pitch angles thereof; means for operating said actuating means; and synchronizing means constraining the respective blades to move in synchronism during blade pitch angle adjustment, said synchronizing means comprising intermeshed gearing mounted on shafts extending through said hub, and sets of linkage articulatively connecting said gearing and shafts with respective ring clamps.

2,584,019
PROCESS FOR CARBURIZATION OF IRON AND STEEL
Axel G. E. Hultgren, Djursholm, Sweden
No Drawing. Application May 6, 1949, Serial No. 91,872. In Sweden November 2, 1948
2 Claims. (Cl. 148—19)

1. The method of effecting a series of carburizing operations which includes initially providing a carburizing agent comprising a mixture of solid carbonaceous material and an added energizer, said solid carbonaceous material being selected from the class consisting of charcoal and coke, utilizing said mixture in at least one carburizing operation, admixing with the used mixture additional solid carbonaceous material from said class substantially free from added energizer in sufficient quantity to provide the additional surface area per unit volume of the resulting mixture to restore at carburizing temperature the rate of regeneration of carbon dioxide to carbon monoxide required to substantially restore the carburizing properties of the agent, using the resultant mixture in one or more additional carburizing operations, and repeating the cycle of adding carbonaceous material from said class substantially free from added energizer to used mixtures and reusing the thus restored agent a plurality of times in the absence of additional energizer.

2,584,020
FISHING ROD AND REEL
Ira B. Humphreys, Denver, Colo., assignor to The Humphreys Investment Company, Denver, Colo., a corporation of Colorado
Application April 29, 1946, Serial No. 665,791
15 Claims. (Cl. 43—20)



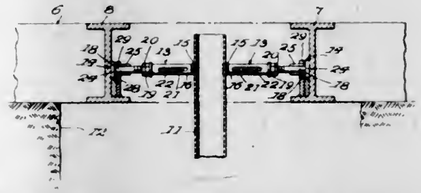
14. In combination, a fishing rod and a fishing line carrying spool supported on the rod with the axis of the spool at right angles to the axis of the rod, the line being freely deliverable from the spool over an end thereof without spool rotation, an element including as a non-movable part thereof a line engaging pick-up adapted to receive and engage the line, the parts comprising the spool and the element being positionable in side by side spaced relationship, means normally holding said parts in said spaced positions, the line pick-up being out of engagement with the line when the parts are in said positions, means to move said parts into telescopic relationship to cause the pick-up to engage the line and position the line above the spool, and means to rotate one of said parts in respect to the other to wind the line about the spool.

2,584,021
APPARATUS FOR PRODUCING ARTISTIC DESIGNS IN ABSORBENT MATERIAL
Louis Jackson, New York, N. Y.
Application June 28, 1949, Serial No. 101,802
2 Claims. (Cl. 101—1)



1. An apparatus for producing artistic designs upon absorbent sheet material which comprises a base, coloring solution supplying fabric arranged on the base in the desired fashion to conform generally to the shape of the absorbent sheet to be treated, means for retaining the fabric in edgewise fashion upon the board, said means including a plurality of removable pins positioned in retaining apertures therefor arranged in said base, and plate means for retaining the absorbent sheet upon the fabric, and said plate means having a spacing element disposed between the absorbent sheet and the plate and magnetic means including a magnetic clamping piece engaging with the sheet and a magnet on the upper surface of the plate for normally retaining the absorbent sheet upon the plate.

2,584,022
SURFACE PIPE BRACING AND CENTERING MEANS
Albin B. Johnson, Hutchinson, Kans.
Application September 4, 1947, Serial No. 772,106
4 Claims. (Cl. 166—4)

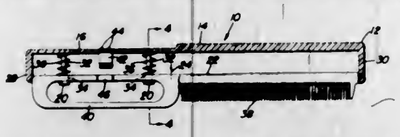


1. In combination with the bese of a well drilling derrick, said base having frame member spaced apart to jointly surround the upper end of a surface casing; a plurality of longitudinally adjustable, horizontal struts for radial disposition around the surface casing, the inner ends of said adjustable struts having means to engage the casing, the outer ends of said adjustable struts being provided with flat pivoted heads projecting horizontally in oppostite directions therefrom and abutting the inner sides of said frame members of said base, and upwardly forked retainers fixed on the inner sides of said frame members in spaced relation thereto, said retainers straddling said adjustable struts at the inner sides of said heads, said retainers and the pivots of said heads being so positionally related that said retainers will not interfere with swinging of said struts upon said pivots when said struts are not in use.

2,584,023
RETRACTABLE TOOTHCOMB
William H. Johnson and Dollace M. Johnson, Washington, D. C.
Application February 20, 1950, Serial No. 145,198
4 Claims. (Cl. 132—15)

1. In a retractable tooth comb, the combination of an elongated member affording a casing

and a hollow handle at one end of said casing, said member being provided with a longitudinally extending slot, a longitudinally extending back bar movable in said casing toward and away from said slot, a row of teeth provided on said back bar, resilient means for urging said back bar to a position wherein said teeth project outwardly from the casing through the slot, means for stopping said back bar against outward movement when the teeth are projected, and an elongated



finger piece connected at the ends thereof to longitudinally spaced points on said back bar, said finger piece projecting outwardly through said slot and extending over said stopping means, whereby the back bar may be pushed inwardly to retract said teeth, and a resilient clip disposed within the handle which is frictionally engageable with said back bar for locking the same in an inwardly disposed position.

2,584,024

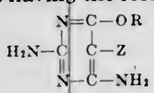
2,4,5-TRIAMINO-6-ALKOXY PYRIMIDINES AND PROCESS OF PREPARING SAME

Edward A. Kaczka, Elizabeth, and Karl Folkers, Plainfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application August 21, 1948, Serial No. 45,554
14 Claims. (Cl. 260—256.4)

1. The process which comprises reacting 2,4-diamino-6-alkoxy-pyrimidine with nitrous acid at a temperature between 25 and 30° C. and treating the suspension of the resulting product in a lower aliphatic alcohol with hydrogen in the presence of a hydrogenation catalyst to produce the corresponding 2,4,5-triamino-6-alkoxypyrimidine.

14. Compounds having the formula:



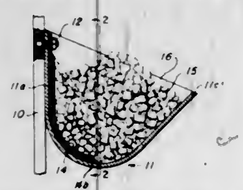
wherein Z is a radical selected from the class which consists of nitroso and amino radicals, and R is an alkyl radical.

2,584,025

ELEVATOR BUCKET WITH SUCTION BARRIER

William H. Kelsey, Stockton, Utah

Application February 23, 1949, Serial No. 77,806
2 Claims. (Cl. 198—152)



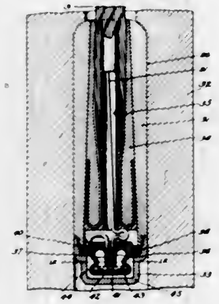
1. In a bucket elevator equipped with a plurality of spaced buckets, adapted to discharge material centrifugally, suction barrier flaps in the form of respective sheets of flexible resilient material substantially covering the back inner surfaces of said bucket, and extending approximately to but substantially no farther than the deepest point of said buckets; and fastenings securing the respective flaps along their upper edge portions to the upper back edge portions of said buckets.

2,584,026

APPARATUS FOR DRILLING MOTION INDICATORS

John F. Kendrick, Columbus, Ohio

Continuation of application Serial No. 590,498, April 26, 1945. This application October 18, 1949, Serial No. 121,919
3 Claims. (Cl. 255—5)



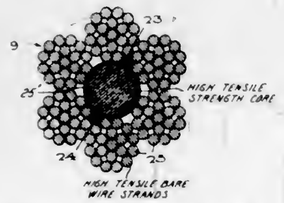
1. A drilling motion indicator for a cable-tool drill comprising an electric circuit including an indicatng device connected to a source of energy, a drilling cable including an insulated conductor electrically connected to said indicating device, electric circuit opening and closing means connected to said insulated conductor, said means being electrically connected to said source, a string of impact tools positioned at the lower end of said cable, means for reciprocating the upper end of said cable to effect the drilling, said string of tools being connected to said cable by a tubular swiveling element having a chamber formed therein, said means being mounted in said chamber and being actuated in response to the motions of said swiveling element to operate said indicating device.

2,584,027

DRILLING CABLE WITH INSULATED CONDUCTOR

John F. Kendrick, Columbus, Ohio

Application October 25, 1949, Serial No. 123,353
5 Claims. (Cl. 174—108)



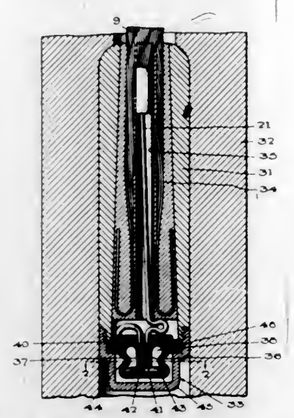
1. A cable comprising a core, a layer of laterally abutting bare wire strands helically disposed around said core in contact therewith so as to form a plurality of continuous helical grooves of the same direction of lay and said strands between adjacent strands and said core, and an insulated electrical conductor positioned in at least one of said grooves.

2,584,028

IMPACT SWITCH

John F. Kendrick, Columbus, Ohio

Application October 31, 1949, Serial No. 124,563
5 Claims. (Cl. 200—52)



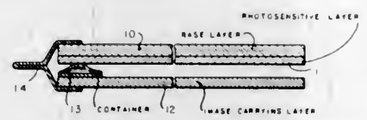
1. An inertia type electrical switch comprising a body adapted to be mounted in a reciprocatable receptacle and constrained to parallel the motions thereof, a reservoir with an elastically deformable enclosure dependent from the body, a dense electrically conductive fluid in the reservoir, electrical conductors disposed axially within and through the body with outer ends adapted to be connected to an external circuit and with inner ends exposed and normally projecting into the fluid to complete an associated circuit, the fluid being displaceable in response to the movements of the body to uncover the exposed ends of the conductors and interrupt the flow of electricity.

2,584,029

PHOTOGRAPHIC SILVER TRANSFER PRODUCT AND PROCESS, INCLUDING A LEAD SALT

Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application April 13, 1946, Serial No. 662,000
29 Claims. (Cl. 95—8)



1. A photographic product comprising a photographic product comprising a photosensitive material which includes a silver halide layer, a base layer for receiving, by transfer, a positive print, and a rupturable containing means holding a liquid, said product having positioned therein photographic reagents including a silver halide developer, a silver halide solvent and a lead salt soluble in said liquid, said containing means and said layers being so held together that said containing means is capable, upon rupture, of releasing at least part of its contents to permeate superposed portions of said photosensitive layer and said base layer, said liquid, upon release, rendering said silver halide developer and said silver halide solvent effective to develop a latent image in said photosensitive layer and to form soluble silver complexes with the undeveloped silver halide of said photosensitive layer and, additionally, providing a solution of the lead salt adjacent the surface of the print-receiving area of said base layer in which part at least of the soluble silver complex is reduced to silver to produce the positive print.
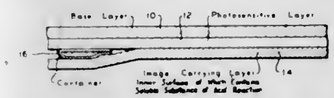
23. The process of forming positive images in silver which comprises developing a latent negative image in a silver halide emulsion layer with a solution comprising a silver halide developer and a silver halide solvent to form an imagewise distribution of soluble silver complex in said emulsion layer, transferring from said emulsion layer by imbibition at least part of said imagewise distribution of said soluble silver complex to an image-carrying layer so superposed adjacent said emulsion layer as to receive a depthwise diffusion of said solution from said emulsion layer without appreciably disturbing the imagewise distribution of the silver complex in said solution, and reducing to silver the silver ions of said soluble silver complex in the presence of a lead salt soluble in said solution to form an image in silver which is a positive of the subject matter of said latent image.

2,584,030

LIGHT SENSITIVE SILVER HALIDE PHOTOGRAPHIC PRODUCT FOR IMAGE TRANSFER AND PROCESS UTILIZING THE SAME

Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application February 7, 1947, Serial No. 726,982
45 Claims. (Cl. 95—8)



1. A photographic process for forming, by transfer, a positive print of a latent image contained in the silver halide emulsion of a photosensitive element wherein a single application of liquid to said element is effective to give a finished print sufficiently stable to require no subsequent liquid stabilizing treatments, which process comprises the steps of bringing a relatively uniform layerwise distribution of a processing liquid into contact with the photosensitive element so as to permeate said emulsion with said liquid, said layerwise distribution of processing liquid providing the entire mass of liquid for performing said process; providing a print-receiving element in superposed relation with the photosensitive element, said print-receiving element being at least partially permeable to the processing liquid and the layerwise distribution of the processing liquid being confined between the outer surfaces of said superposed elements throughout the processing, said processing liquid containing, after permeation of said silver halide layer, all of the reagents, including a silver halide developer and an alkali, for developing the latent image in the silver halide emulsion and for forming a positive print of the subject matter of said latent image upon said print-receiving element, said developer being characterized by its propensity for oxidizing in an alkaline environment to form stains; and introducing into the alkaline processing liquid, subsequent to its contact with the photosensitive element, a substance of acid

reaction in sufficient concentration to reduce the alkalinity of said processing liquid to a pH at which the unused developer therein is substantially incapable of oxidation to form a stain in said positive print, said substance of acid reaction being dissolved from a permeated portion of one of said elements and being present in said processing liquid in addition to all of the reagents for forming the transfer print.

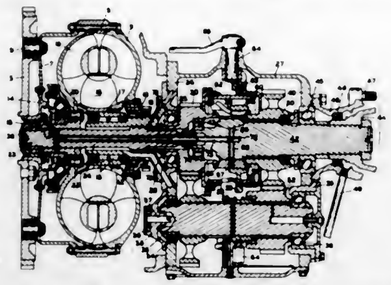
24. A photographic product comprising a liquid-confining layer, including at least a photosensitive portion, said photosensitive portion comprising silver halide as the photosensitive material thereof, another liquid-confining layer and a rupturable container holding a liquid, said layers and said container being associated together so as to permit said layers to be superposed with said liquid held by said container so as not to wet said layers and with said container positioned for releasing said liquid between said layers, said product containing all of the reagents, including a silver halide developer and an alkali, in sufficient quantity to develop a latent image in said photosensitive portion and to provide a layer of said product, other than said photosensitive layer, with a positive transfer print of the subject matter of said latent image, said reagents being rendered effective upon the release of said liquid from the rupturable container, said silver halide developer tending to oxidize and form stains in an alkaline environment, said product containing, in addition to all of said reagents for forming a transfer print, a substance of acid reaction which is carried by one of the layers of said product in a position to be dissolved in said liquid upon the release thereof, said substance of acid reaction being operative to reduce the alkalinity of the liquid at a rate substantially slower than the rate at which the developing reaction takes place and being sufficient in quantity to reduce the alkalinity of the processing liquid to a pH at which the developer is substantially incapable of oxidizing to form stains in said positive transfer print.

2,584,031
DEENAMELING PROCESS
Arthur M. Lander, Park Ridge, Ill., assignor to Lawndale Enameling Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application January 25, 1950, Serial No. 140,565
10 Claims. (Cl. 51—282)

1. In a de-enameling process, the steps of immersing the enameled piece in a bath of sodium hydroxide and sodium silica fluoride solution at a temperature of from about 280 to 350° F. dissolve the enamel while leaving a film of sludge on the surface of the piece, and sand-spraying the piece at pressures of from 30 to 60 pounds to remove the sludge film therefrom.

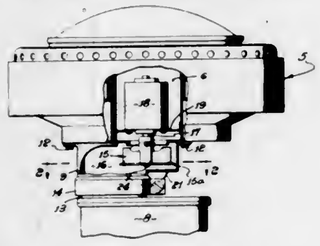
2,584,032
TRANSMISSION
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application July 22, 1948, Serial No. 40,137
12 Claims. (Cl. 74—732)

1. In a transmission embodying a torque converter having pump, stator and turbine elements, a transmission driven from said turbine and having low and high speed ranges, means for locking said pump and turbine together for conjoint rotation, means in said transmission normally preventing operation of said locking means unless said transmission is in high speed range, and centrifugally operable means responsive to



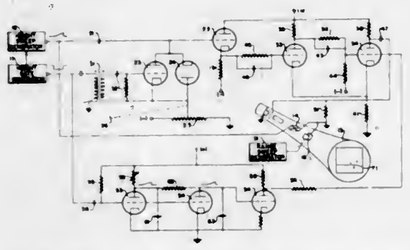
the speed of rotation of said turbine for energizing said locking means.

2,584,033
SUPPLEMENTAL AIR SUPPLY MECHANISM FOR AUTOMOTIVE ENGINES
Frederick M. Laserson, Los Angeles, Calif.
Application February 25, 1949, Serial No. 78,358
32 Claims. (Cl. 192—.096)



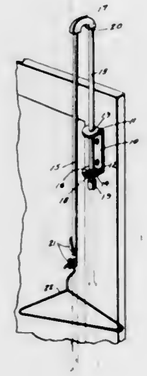
1. In an air supply system for the internal combustion engine of an operative motor vehicle including a carburetor having an air intake channel: means including an impeller mounted in said channel for providing an additional supply of air to that normally passing to the carburetor; an electric motor for driving said impeller; and means responsive to an operating condition of said motor vehicle for controlling said additional supply of air.

2,584,034
ELECTRONIC MARKER CIRCUIT
Richard W. Lee, Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application September 14, 1945, Serial No. 616,376
5 Claims. (Cl. 343—5)



4. In a radio object-locating system having a height-range cathode ray indicator, an electronic height marker circuit comprising means for generating a height voltage pulse a predetermined time after the beginning of a height sweep on said indicator, means for providing a voltage substantially proportional to time squared and means for altering the time of generation of said height voltage pulse in accordance with said time squared voltage whereby a trace is provided on the indicator of the associated radio object-locating equipment representing the altitude of observed targets through which said trace passes.

2,584,035
HOME GARMENT BAGGER
Carl R. Lendle, Orlando, Fla.
Application December 17, 1947, Serial No. 792,208
2 Claims. (Cl. 226—18)

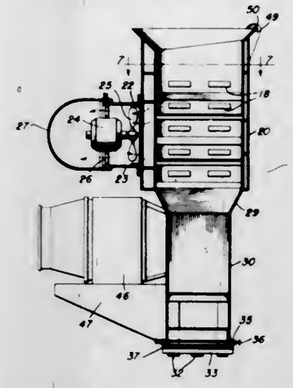


1. A garment bagger comprising in combination an inverted U-shaped member, one of the arms of which is longer than the other and both arms of which are in closely spaced parallel relation to one another, a supporting bracket having vertically aligned openings therein one of which comprises a keyhole shaped opening, the shorter arm of the said inverted U-shaped member rotatably and reciprocally positioned in the said openings, a pin on the said shorter arm for registry with the said bracket when at right angles to said keyhole shaped opening therein for temporarily retaining the said inverted U-shaped member in elevated relation with respect thereto, dual hook means on the lower end of the longer one of the arms of the said inverted U-shaped member for supporting a garment bag and a garment hanger.

2,584,036
AZEOTROPIC DEHYDRATION OF AQUEOUS CHLORAL MIXTURES
John F. Mahoney, Linden, N. J., and Earl Pierson, Harrisonburg, Va., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application April 13, 1946, Serial No. 662,103
10 Claims. (Cl. 202—42)

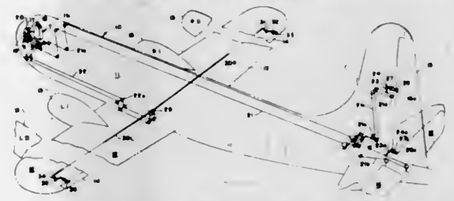
10. In a process for the recovery of chloral from its aqueous solutions the steps comprising adding benzene, distilling an azeotrop of said benzene with water from the chloral, and recovering chloral from the residue.

2,584,037
DUST COLLECTOR FOR CARGO LOADING AND TRIMMING DEVICE
Richard J. McGrath, Virginia Beach, Va., assignor to Atlantic and Gulf Stevedores, Inc., Norfolk, Va., a corporation of Virginia
Application September 3, 1947, Serial No. 771,925
1 Claim. (Cl. 209—134)



An apparatus for loading and trimming cargo of vessels comprising a substantially rectangular hopper having an open end adapted to receive the material forming the cargo to be loaded in the hold of a vessel, said hopper having a discharge opening remote from and in alignment with the open end, said hopper having a plurality of staggered rows of triangular-shaped openings in a pair of opposed side walls thereof, said hopper having a plurality of rows of exhaust openings in the other pair of opposed side walls, a plurality of inverted V-shaped deflectors terminally positioned in said triangular-shaped openings and supported by said first pair of opposed side walls and extending therebetween, a jacket surrounding the hopper, a plurality of spacers terminally secured to said jacket and said side walls holding said jacket in spaced relation to said hopper to form a chamber into which said exhaust openings open, and an exhaust fan communicating with the chamber to create a draft of air through the exhaust openings.

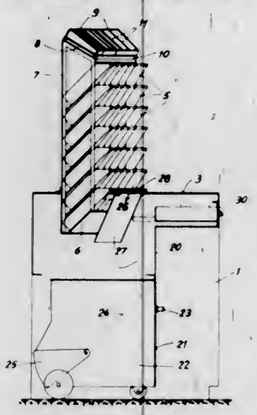
2,584,038
AIRCRAFT CONTROL LOCK
John A. Morrison, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application March 9, 1948, Serial No. 13,879
20 Claims. (Cl. 244—83)



1. In an airplane, the combination with a plurality of throttle controls for the power plant units thereof and a manual control for the locking of the control surfaces in their neutral positions, of interlocking mechanism including laterally shiftable radially restrained means operatively associated with said manual locking control, and movable into the paths of movement of said throttle controls upon actuation of said

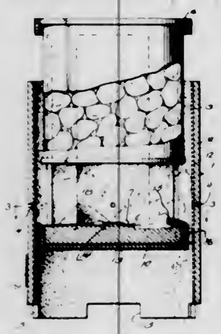
manual locking control arranged in the locked condition of said surfaces to permit the advance of but one of said throttle controls.

2,584,039
BREAKUP BANK FOR COMPOSING ROOMS
Georg Muff, Berne, Switzerland, assignor to Luscher, Leber & Co. A. G., Berne, Switzerland, a joint-stock company
Application September 22, 1950, Serial No. 186,147
In Switzerland March 5, 1949
4 Claims. (Cl. 312—196)



1. A dead type break-up bank comprising a table having a top with a centrally disposed working area and apertures at each side of the central working area, a centrally disposed aperture in said table top located rearwardly of the working area for receiving Linotype matter, including trays in respective side apertures supported in an inclined position and slanting downwardly and rearwardly below said table top for storing rules, a chute carried below said centrally disposed aperture and extending downwardly therefrom intermediate said inclined trays.

2,584,040
COMBINATION PACKAGE
Nicholas T. Naranick, Chicago, Ill.
Application August 24, 1948, Serial No. 45,954
8 Claims. (Cl. 126—262)

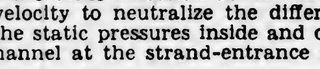


1. In combination, a casing, a container support slidably mounted therein, fuel-holding means on the support, a fuel igniting means fixed to the support, and an operative connection between the igniting means and casing; whereby relative movement between the casing and support will cause the igniting means to function.

2,584,041
PROCESS OF PREPARING OIL-SOLUBLE METAL SOAPS
Milton Nowak, Union, N. J., and Alfred Fischer, Bronx, N. Y., assignors to Nuodex Products Co., Inc., Elizabeth, N. J., a corporation of New York
No Drawing. Application July 6, 1949, Serial No. 103,316
17 Claims. (Cl. 260—414)
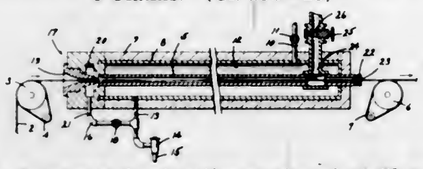
1. The herein described hydrous two-phase metal-acid fusion process which comprises: commingling at least one comminuted polyvalent metal, at least one organic acid capable of forming oil-soluble heavy metal soaps, and a quantity of water to produce a reaction mass, and heating said mass to effect reaction thereof to a temperature above 100° F. under conditions to maintain the water in its liquid phase throughout the reaction while agitating the mass.

2,584,042
TOOTHBRUSH AND ANTISEPTIC HOLDER
Roy A. Ober, Akron, Ohio
Application November 1, 1949, Serial No. 124,778
7 Claims. (Cl. 206—15.1)



1. A container for a toothbrush or the like comprising a pair of telescoping elements apertured to provide a housing for the bristles of a brush, a third element telescoped on one of said pair of elements and arranged for rotation with respect thereto, said third element having fixed means defining a compartment for holding an antiseptic substance, a first system of associated port means in said fixed means and said one of said pair of elements, and a second system of associated port means in said third element and said one of said elements, said second system of port means providing venting to the atmosphere, and the two systems of port means being so arranged as to be alternatively registrable, respectively, by a single motion of relative rotation between said third element and said one of said pair of elements.

2,584,043
METHOD AND APPARATUS FOR PROCESSING FILAMENTARY MATERIALS
Louis A. Oberly, Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 20, 1945, Serial No. 600,562
3 Claims. (Cl. 134—15)



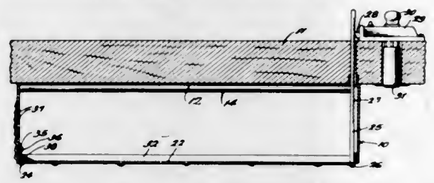
1. A process for treating a strand of filamentary material with a vapor under superatmospheric pressure comprising passing the strand through an elongated channel narrowly constricted at both ends but permitting free passage of the strand therethrough, introducing the treating vapor under superatmospheric pressure into the channel near the strand-entrance end in the same direction as the strand at sufficient velocity to neutralize the differential between the static pressures inside and outside of the channel at the strand-entrance end thereof, and continuously discharging a part of the vapor laterally from the channel through a small orifice while still in the same phase as when first introduced into the chamber.

2,584,044
FAUCET SPOUT CONNECTOR
Leonard Osrow and Harold Osrow, Queens County, N. Y.
Application May 2, 1950, Serial No. 159,422
1 Claim. (Cl. 285—90)



A faucet spout connector comprising a hollow tubular body of resilient material, a collar integral with one end of said body and extending into the interior thereof in spaced relation thereto, radially extending ribs formed integrally with, and connecting said collar and said body, an annular groove provided on the peripheral surface of said body adjacent the juncture of said body with said collar, a substantially rigid ring positioned within said groove and reenforcing said body at its juncture with said collar.

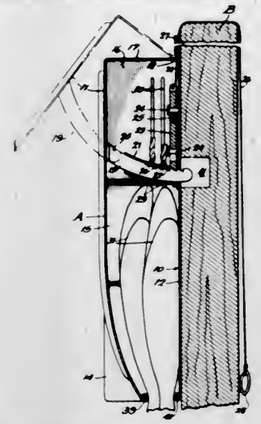
2,584,045
DOORCASE
Leo Peters, Evanston, Ill.
Application February 23, 1949, Serial No. 77,921
10 Claims. (Cl. 211—8)



1. In combination, a case open on one side and adapted to be secured on the exterior of a substantially imperforate building panel, a closure movably secured to said case, a latch bar with locking serrations carried by said closure, and a lock on the interior of said panel having a bolt engaging said serrations for releasably securing said closure in closed position.

2,584,046
GARMENT RETAINER
Leo Peters, Evanston, Ill.
Application April 15, 1949, Serial No. 87,798
7 Claims. (Cl. 211—8)

3. In a garment hanger structure of the character described, a case adapted to be secured to a door and having a rear open side, a tubular hook member supported upon said door and extending into said case, said tubular hook member being adapted to receive thereon the arched portion of a garment hanger, a closure movable to a position closing said case, a tooth-equipped latch bar carried by said closure and extending into said tubular hook member, a latch movably supported upon said door for engagement with the teeth of said latch bar, spring means normally urging said latch toward said teeth, key-controlled locking means operable from outside



the door for releasing said latch, and means operable from inside the door for independently releasing said latch.

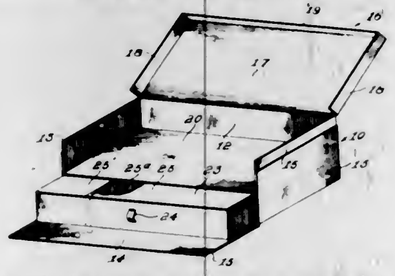
2,584,047
PUNCH FOR FORMING HOLES IN CANS
Joseph F. Phillips, Chicago, Ill.
Application April 22, 1949, Serial No. 89,065
2 Claims. (Cl. 30—16)



2. As a new article of manufacture, a punch designed for use in puncturing the top of a can and comprising a vertically elongated frame formed of a single strip of metal and embodying a vertical lower part adapted to be held by the fingers against the upper portion of the side wall of the can and provided at its lower end with an outwardly and upwardly extending finger supporting hook, and an S-shaped upper portion adapted to overlie the top of the can, consisting of vertically spaced horizontal lower, intermediate and upper parts, a first vertical connecting part between the inner ends of the horizontal lower and intermediate parts and a second vertical connecting part between the outer ends of the intermediate and upper parts, having the outer end of its horizontal lower part connected to the upper end of the vertical finger receiving part, and having a large sized hole in said horizontal lower part and aligned smaller sized holes in the intermediate and upper parts, an upstanding plunger of greater length than the upper portion of the frame, extending through and mounted for vertical sliding movement in the small sized holes in said intermediate and upper parts, having the lower end thereof pointed and its upper end provided with a head, adapted when the head is struck with a downward blow to slide downwards relatively to the frame and have its pointed end pass through the hole in said lower horizontal lower part and puncture the top of the can, and provided a slight distance above its pointed lower end with an enlargement

that is smaller than the hole in the horizontal lower part but larger than the hole in the horizontal intermediate part, serves in connection with puncturing of the can top to limit penetration of the pointed lower end of the plunger through the top of the can, and coacts with said intermediate part to limit upward sliding movement of the plunger relatively to the frame, and a coil compression spring extending around the upper end of the plunger and between the head and the upper part of the S-shaped upper portion and operative to slide the plunger upwards after a puncturing operation.

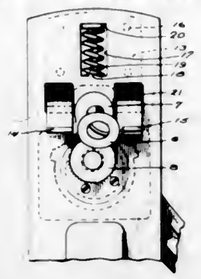
2,584,048
COMPARTMENTED CASE HAVING INTERENGAGEABLE CLOSURES
Juanita Gabriel Ramsey, Washington, D. C.
Application August 11, 1949, Serial No. 109,667
1 Claim. (Cl. 190—51)



A traveler's case comprising a rectangular rigid body portion including a bottom wall, opposite end walls and a side wall, a second side wall having one edge thereof pivotally connected to an adjacent edge of the bottom wall, the upper edges of the end walls and the upper edge of the last-named side wall being reduced in thickness to provide lid flange-receiving recesses, a lid including a rectangular cover portion having one edge thereof pivotally connected to the upper edge of the first-named side wall and having marginal flanges on its opposite ends and one side receivable in said recesses in flush relation to the outer surfaces of the adjacent end and side walls, a partition rigidly connected to said end walls and said first-named side wall, said partition being disposed parallel to the bottom wall, and intermediate same and the upper edges of the end and side walls to provide a pair of superposed compartments, a drawer slidably disposed in the lower compartment and provided with a pair of covers, cooperating fastening means on the lid and second-named side wall, and a handle on said second-named side wall.

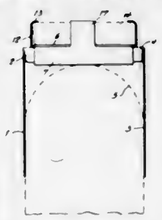
2,584,049
CAN OPENER
Jean O. Reinecke, Oak Park, Ill., assignor to the United States of America as represented by the Secretary of War
Application January 23, 1947, Serial No. 723,863
2 Claims. (Cl. 30—15.5)

1. A can opener including a base plate provided with a pair of spaced openings, a rotary cutter, a feed wheel shiftable with respect to the cutter, a pressure plate mounted for rectilinear sliding movement against one side of the base plate, said pressure plate provided with downward extensions having offset portions passing through said pair of openings in the base plate, said extensions at their lower ends having horizontal portions forming pressure feet for engaging the can being opened, said base plate and pressure plate being provided with registering openings, studs on the upper and lower edges of



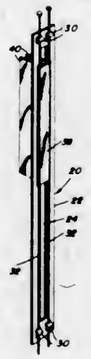
the registering openings, and a coil spring mounted in the registering openings and engaged over the studs to force the pressure plate toward the feed wheel.

2,584,050
ADJUSTABLE HOLDER FOR ASH TRAYS AND THE LIKE
Adolf Robins, White Plains, N. Y.
Application March 15, 1948, Serial No. 14,848
6 Claims. (Cl. 248—316)



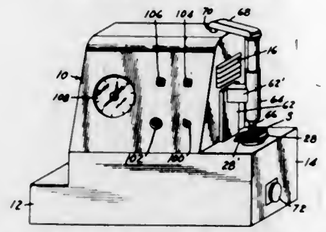
1. A holder for an ash tray or the like comprising a flat base, upstanding opposed end clips thereon adapted to retain an ash tray, a passageway open at both ends formed in said base, a pair of slides nesting in said passageway, each slide having a depending leg, said legs adapted to embrace the arm of a seat or the like, and means in said passageway for resiliently drawing said legs together.

2,584,051
BUTTONHOLE FORMING DEVICE
Marie Rose, Butte, Mont.
Application March 29, 1951, Serial No. 218,148
3 Claims. (Cl. 223—110)



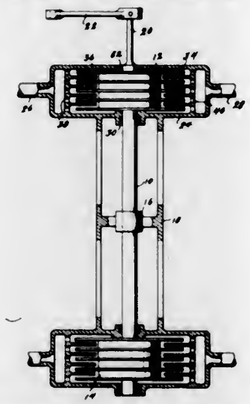
1. A buttonhole forming device, comprising an elongated member provided with a longitudinally extending slot, keeper means provided on opposite end portions of said member, and a pair of pins removably held in said keeper means and extending longitudinally of said member at opposite sides of said slot.

2,584,052
APPARATUS FOR COUNTING BLOOD CORPUSCLES
Paul E. Sandorff, Burbank, and Henry W. Foster, Los Angeles, Calif.
Application August 30, 1949, Serial No. 113,162
6 Claims. (Cl. 235—98)



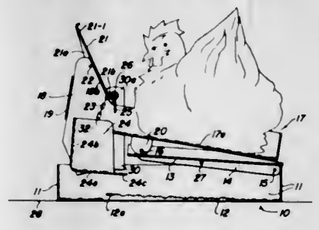
1. An apparatus for counting blood corpuscles or the like, comprising a slide having distributed thereon a diluted sample, an optical means for viewing an area of the slide restricted to approximately less than the size of an individual corpuscle, a means for causing relative motion between the slide and the optical axis so that the slide is scanned along a spiral path, a means for converting the fluctuations in light caused by the scanned corpuscles into electrical pulses, a means for rejecting electrical pulses occurring at frequencies differing appreciably from that at which a corpuscle passes centrally through the optical field, a counting device, and a means for causing the electrical pulses to actuate the counter device.

2,584,053
MEANS FOR THE APPLICATION OF ALTERNATING SHEAR AT SONIC FREQUENCIES TO THE TREATMENT OF MATERIAL
Gordon C. Seavey, Arlington, and Caperton B. Horsley, Westwood, Mass., assignors to Sonic Research Corporation, Boston, Mass., a corporation of Massachusetts
Application November 28, 1949, Serial No. 129,786
16 Claims. (Cl. 259—4)



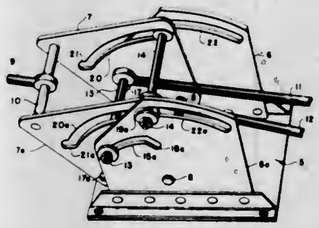
1. Apparatus for treating material with intense alternating shear forces, comprising, in combination, a pair of members each of predetermined mass, at least one of said members having a treating surface adapted to contact said material, an elastic member connecting said first named members to each other to transmit motion from one to the other, the elasticity of said connecting member being correlated with the masses of said first named members to constitute therewith a system having a predetermined natural frequency of oscillation with said first named members oscillating with predetermined amplitudes at the same frequency but in opposite phase, resilient coupling means connected to one of the members of said system, mechanism for oscillating said coupling means at said predetermined frequency whereby to bring said system into oscillation at said frequency, and means for presenting material to be treated to said treating surface.

2,584,054
HEN'S NEST
Larkin R. Shaffer, Garland, Utah
Application June 16, 1949, Serial No. 99,392
20 Claims. (Cl. 119—48)



1. A hen's nest, comprising a tray-like nest proper; a tray-like egg receptacle disposed under said nest proper; bracket means rigid with said nest proper; a tread-plate adjacent one end of said nest; means pivotally mounting said tread-plate in said bracket means so as to form a treadle; means pivotally mounting the nest proper adjacent the said one end of the nest; and an egg-transfer carrier articulatively suspended from the tread-plate.

2,584,055
SEQUENCE CONTROL MECHANISM
Richard C. Smith, Snyder, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application February 5, 1948, Serial No. 6,497
4 Claims. (Cl. 74—471)



1. In a sequence operating device of the type described, a relatively fixed supporting member having a plurality of curved slots, a movable member pivotally mounted at a fixed pivot carried by said supporting member for contiguous movements with respect to said fixed supporting member, said movable member having a plural-

ity of curved slots open to corresponding contiguous slots of said fixed member, one pair of said corresponding slots comprising a slot in said fixed member and a slot in said movable member being spaced radially from said fixed pivot a greater distance than the other said pair of corresponding slots, a plurality of controlled members each having a pivotal portion slidably engaging one of the pairs of contiguous curved slots of said movable and said fixed members, and offset portions in each of said pairs of curved slots arranged to provide a predetermined sequence of movement selectively transmitted to said controlled members upon movement of said movable member as determined by the relative positions of the offset portions of the curved slots of said fixed and movable members.

2,584,056

PREPARATION OF STABLE, SOLID, WATER-SOLUBLE, SURFACE-ACTIVE COMPOSITIONS CONTAINING UREA AND A QUATERNARY AMMONIUM COMPOUND

Edward C. Soule and William H. Sheltmire, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation, a corporation of Virginia

No Drawing. Application March 4, 1948, Serial No. 13,084
2 Claims. (Cl. 252—106)

1. A method of compounding stable, solid, water-soluble, surface-active compositions which comprises fusing together urea, in major proportion but not more than 80% by weight on the total composition of urea, and 12%–22% by weight on the urea of a water-soluble, surface-active quaternary ammonium salt in which all four hydrogens of the ammonium radical are substituted by organic radicals at least one of which contains a chain of 8 to 16 carbon atoms and 4%–6.5% by weight on the total of urea and quaternary ammonium compound of sodium acetate at a temperature above normal atmospheric temperature and not exceeding 110° C. and cooling and solidifying the fusion.

2,584,057

PREPARATION OF STABLE, SOLID, WATER-SOLUBLE, SURFACE-ACTIVE COMPOSITIONS CONTAINING UREA AND A QUATERNARY AMMONIUM COMPOUND

Edward C. Soule and William H. Sheltmire, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation, a corporation of Virginia

No Drawing. Application March 4, 1948, Serial No. 13,085
7 Claims. (Cl. 252—106)

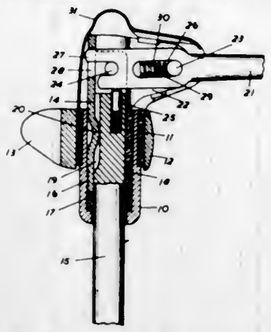
1. A method of compounding stable, solid, water-soluble, surface-active compositions which comprises fusing together the materials listed below in proportions within the indicated ranges by weight: a major proportion of urea in an amount not exceeding 95% of the total composition, 3% to 45% based on the weight of the urea of a water-soluble, surface-active quaternary ammonium salt in which all four hydrogens of the ammonium radical are substituted by organic radicals at least one of which contains a chain of 8 to 16 carbon atoms and 2%–12% based on the total weight of the urea and the quaternary ammonium compound of an acid selected from the group consisting of glacial acetic acid, syrupy phosphoric acid and concentrated sulfuric acid, at superatmospheric temperature of about 110°–150° C. and cooling and solidifying the resulting melt.

2,584,058

CONTROL MECHANISM FOR CHANGE-SPEED GEARING ON MOTOR VEHICLES

Alexander Cecil Alldritt Squire, Bloxwich, England

Application August 24, 1949, Serial No. 112,012
In Great Britain August 27, 1948
6 Claims. (Cl. 74—484)



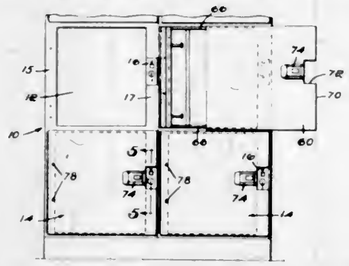
2. Control mechanism of the kind specified for change-speed gearing comprising a plain cylindrical gear-control rod, a fixed mounting bracket having a cylindrical bore, a pivot bracket providing an axial bore to receive the gear-control rod and a cylindrical external surface for reception in the bore in the mounting bracket, a pair of spaced parallel lugs extending laterally from the upper end of the pivot bracket, a hand-lever lying between said lugs and pivoted to rock about a substantially horizontal pivot carried by said lugs, and a pivotal connection between the inner end of the hand-lever and a pin in the upper end of the gear-control rod, said connection including means to insure common turning of said lever and said rod about the axis of the latter.

2,584,059

CHECKING CABINET DOOR

Francis D. Stackhouse, Jr., Upper Darby, Pa., assignor to American Locker Company, Inc., Boston, Mass., a corporation of Delaware

Application May 14, 1946, Serial No. 669,621
3 Claims. (Cl. 189—46)



1. A cabinet door comprising a rectangular sheet metal body having two side margins and parallel top and bottom margins, the top and bottom margins being bent laterally to provide horizontal flanges extending therealong, a sheet material panel of an area substantially commensurate with said body and having U-shaped parallel flanges along two opposite margins thereof providing parallel channels facing toward each other and receiving said horizontal flanges in sliding engagement therein, said cooperating flanges serving to guide the panel in longitudinal sliding engagement with and to a position covering the front face of said body, and removable

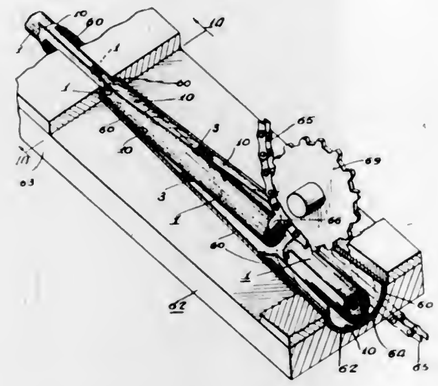
means carried by the body and panel for securing the panel against sliding movement relative to the body.

2,584,060

APPARATUS FOR INDIVIDUALLY WRAPPING CIGARETTES

Constantine S. Stephano, Elkins Park, Pa., assignor to Stephano Brothers, Philadelphia, Pa., a corporation of Pennsylvania

Original application November 29, 1946, Serial No. 712,956, now Patent No. 2,446,618, dated August 10, 1948. Divided and this application December 11, 1947, Serial No. 791,002
6 Claims. (Cl. 53—85)



1. In apparatus for individually wrapping cigarettes, means to advance a continuous web of sheet material, forming means traversed by said web including a tapered portion of relatively large generally semi-circular configuration converging in the direction of web travel and terminating at its other end in a portion of substantially circular cross-sectional shape operable to convert said web from flat sheet form into a continuous cylindrical tube with the opposite side edge portions of the web disposed in lapped relation longitudinally of the tube, a guide member of split tubular construction extending axially of said forming means and terminating a short distance inwardly of the tapered portion of the forming means to discharge cigarettes from the tubular guide onto said continuous web before entering the substantially circular portion of the forming means, and feed means movable longitudinally of the tubular guide and projecting therein to engage and advance cigarettes successively through said guide member and deposit the same in equally spaced apart end-to-end relation in said web during conversion of the same into said continuous tube.

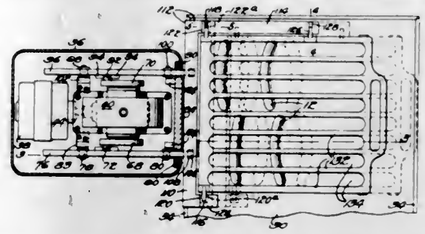
2,584,061

COOKING DEVICE

Mortimer B. Stilphen, Haverhill, Mass.

Application October 23, 1947, Serial No. 781,571
1 Claim. (Cl. 99—423)

Apparatus for cooking frankfurters and the like, in combination, a hot plate, a device for turning the frankfurters on said hot plate during cooking comprising a grid member mounted for reciprocal movement above said plate and resting upon the frankfurters on said plate, an L-shaped support to which said grid member is pivotally connected for pivotal movement upwardly in two directions, and means including an



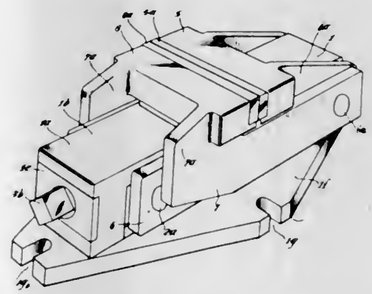
electric motor, rotating crank and reciprocating slide bar for reciprocating said grid member.

2,584,062

MACHINE VISE HAVING JAWS MOVABLE DOWNWARDLY WHEN PRESSED AGAINST WORKPIECE

Vincent Oliver Stone, Alperton, Wembley, England, assignor to The Glacier Metal Company Limited, Alperton, Wembley, England, a British company

Application December 19, 1950, Serial No. 201,507
In Great Britain April 22, 1949
6 Claims. (Cl. 90—61)



3. A vise comprising a body having a workpiece supporting part, relatively movable jaws for clamping a workpiece positioned on said supporting part, resilient means supporting said jaws on said body, a link structure connected to one jaw and pivoted to trunnions on a slidable block beneath the opposite jaw, a link structure connected to the latter jaw and pivoted to a pivot member located in the vise body beneath the first-mentioned jaw, and a screw device for effecting movement of said slidable block for applying pressure to said jaws.

2,584,063

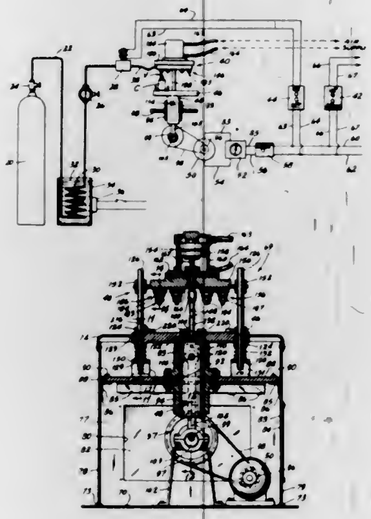
APPARATUS FOR MANUFACTURING WHIPPED CREAM

Fred F. Suellentrop, Lemay, Mo., assignor to Lemay Machine Company, Lemay, Mo., a corporation of Missouri

Application March 7, 1949, Serial No. 80,038
8 Claims. (Cl. 226—72)

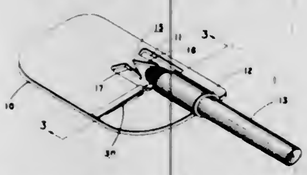
1. Apparatus for reciprocating a plurality of containers filled partially with cream simultaneously with the injection thereinto of gas under pressure: said apparatus including a base; a casing secured to the base; a removable top cover for the casing; a vertically disposed piston slidably mounted within and supported by the casing; means including a motor mounted on the base within the casing for reciprocating said piston; means manually operable for starting said

motor; means automatically operable for stopping the motor; a horizontally disposed container supporting bed plate rigidly secured to the upper end of said piston and reciprocable therewith; an opening in said cover to accommodate the bed plate; means on the bed plate for maintaining said containers in proper position thereon; a gas injection assembly reciprocal on vertical slide rods mounted on said cover;



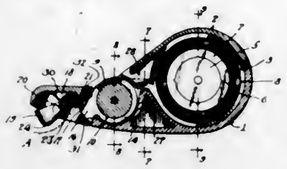
means manually operable for controlling the flow of gas to said assembly; air cylinder means for first lowering said assembly into charging position relative to said containers, for thereupon maintaining said assembly in that position during the reciprocating cycle of said piston, and for thereafter raising said assembly following the completion of said cycle; and means manually operable for controlling the action of said cylinder means.

2,584,064
PENCIL SHARPENER
Frank Swinehart, Strongsville, Ohio
Application April 13, 1949, Serial No. 87,237
8 Claims. (Cl. 120—91)



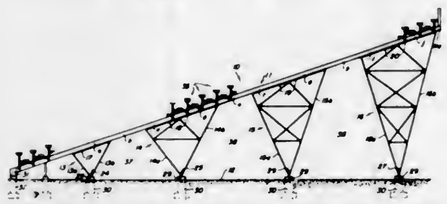
1. A sharpening device for crayons or the like comprising: a single flat substantially planar base member having an opening extending transversely therethrough, a tubular crayon guide member whose axis lies in the plane of said base member connected to said base member for directing the tip of a crayon to be sharpened toward said opening, and blade portion means having a cutting edge connected to said base member on the side of said opening opposite said guide member whereby said guide member directs a crayon being inserted therein into engagement with the cutting edge thereof.

2,584,065
GUMMED TAPE DISPENSER
Clarence R. Taylor, Penfield, N. Y.
Application November 20, 1950, Serial No. 196,586
5 Claims. (Cl. 216—29)



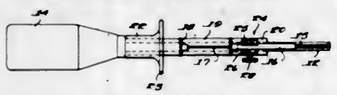
1. In a gummed tape dispenser, the combination of a housing having spaced sides, an arbor extending between said sides for carrying a tape roll, a feed roll supported between said sides in forwardly spaced axial relation to said arbor, said feed roll having a reduced end providing a flange at the opposite end, a ring fitted on said reduced end in spaced relation to the flange, said feed roll and ring being provided with serrations, a stripper mounted on said feed roll between said ring and flange, said stripper and housing being provided with coacting portions preventing rotation of the stripper during rotation of the feed roll, a cover on said housing, and cutting means carried by said cover forwardly of said feed roll.

2,584,066
BLEACHER FRAME CONSTRUCTION
Frank C. Torkelson, Salt Lake City, Utah
Application March 15, 1949, Serial No. 81,486
8 Claims. (Cl. 20—1.126)



1. Bleacher construction comprising a trussed structure having an inclined upper chord composed of a plurality of lateral bracing panels lying substantially in the plane thereof; a lower chord rigidly connected to the lower end portion of the upper chord; a plurality of wedge-shaped web members each having a base that coincides with certain of said bracing panels and having further, two opposed rectangular faces which meet in an edge that is parallel to an edge of said base, and two opposed triangular end panels; said parallel edge being located in said lower chord.

2,584,067
SHUTTER RELEASE
Osband C. Turner, Savannah, Ga.
Application August 4, 1950, Serial No. 177,705
4 Claims. (Cl. 74—479)



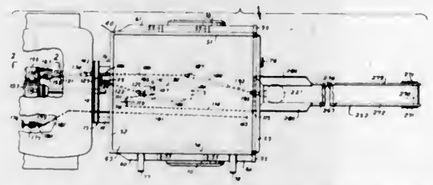
2. In a camera, the combination with an elongated handle shank and a shutter release including an actuating button, of a mechanism for operating said shutter release button, said mechanism comprising a tubular body member rotatably receiving said shank, a clamp projecting from said body member for holding said shutter release, a sleeve slidably mounted on said body member for engagement with said button, and a collar connected to said shank and abutting said body member for preventing longitudinal movement of said body member on said shank.

2,584,068
IMPEDANCE TRANSFORMER
Johannes Marinus van Hofweegen and Maximiliaan Julius Otto Strutt, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 9, 1946, Serial No. 668,544
In the Netherlands June 3, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 3, 1961
4 Claims. (Cl. 178—44)



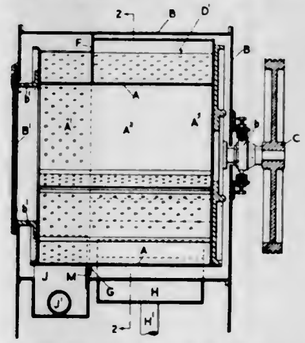
1. An impedance transformer comprising a transmission line of given length determined by a given transformation ratio having input and output terminals, a variable impedance in series with said transmission line, and a variable impedance in parallel with said line, said series and parallel impedances each being adjustable within a given range of values at which within a predetermined range of operating frequencies the impedance of the line-viewed from the output terminals is a minimum when the line is short-circuited at the input terminals and a maximum when the line is open-circuited at the input terminals whereby the line reflects at the output terminals when an impedance of given value is connected across the input terminals a transformed value of said impedance across the input terminals.

2,584,069
UNLOADING APPARATUS FOR DUMP TRUCKS
Lindsay S. Wall, Winston-Salem, N. C.
Application May 28, 1949, Serial No. 95,993
6 Claims. (Cl. 214—83.26)



1. Material handling apparatus adapted to be mounted on a motor driven wheeled truck having a chassis and also having a dump bed mounted thereon and said dump bed also being pivoted near its rear end to the chassis and also having means for raising and lowering the front end to tilt the bed and said bed also having an opening in its rear end provided with a closure therefor and through which the contents of the bed may be dumped when its front end is raised relative to the chassis, said apparatus comprising a frame disposed beneath the rear end of the chassis and being pivoted to the chassis at its front end and also having upwardly projecting members at its rear end whose upper ends are pivotally connected to the bed, a telescopic frame slidably supported by the pivoted frame and being movable forwardly and rearwardly of the pivoted frame, a gear housing mounted on the telescopic frame and having a driving connection with the motor of the truck, means on the gear housing for supporting the forward end of a discharge endless conveyor and driving means between the gear housing and the forward end of the discharge conveyor for driving the discharge endless conveyor.

2,584,070
MACHINE FOR WASHING, DRY CLEANING, OR GARMENT DYEING
Thomas B. Walker, Kendal, England, assignor to Isaac Braithwaite & Son Engineers Limited, Kendal, England, a body corporate of Great Britain
Application March 24, 1949, Serial No. 83,153
In Great Britain March 27, 1948
9 Claims. (Cl. 68—58)



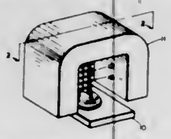
1. A washing machine comprising, in combination, a stationary substantially cylindrical casing mounted with the axis thereof located in a substantially horizontal position; a substantially cylindrical drum mounted within and concentrically with said casing, the said drum being of a substantially smaller diameter than said casing so as to form an annular space between said drum and said casing, said drum, having a first cylindrical wall portion which is perforated and a second imperforate wall portion forming an extension of said first wall portion, the said second wall portion being formed with a plurality of perforated liquid lifters communicating with said annular space and extending inwardly toward the center of said drum and extending along the length of said second wall portion, the said liquid lifters each being secured along a pair of longitudinal opposite edges thereof to said drum; scoop means connected to said drum and located in the annular space between said casing and said drum for directing liquid in said casing into said liquid lifters; means for rotating said drum; means for permitting the insertion and removal of articles to be washed into and out of said drum; means for continually supplying washing liquid to the space between said second portion of said drum and said casing, so that said liquid may flow into said drum through said perforated liquid lifters and out of said drum through said perforated first portion thereof; and means for continually draining said washing liquid from the space between said first portion of said drum and said casing.

2,584,071
FLATIRON SUPPORT
Preston M. Wallis, Jr., Philadelphia, Pa., assignor, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 4, 1945, Serial No. 632,643
2 Claims. (Cl. 38—79)



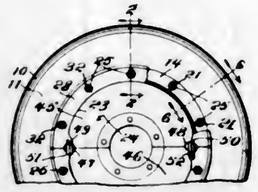
1. In a flat-iron, a flat-iron body including a sole plate having a plane bottom surface with a heel portion and a toe portion at opposite ends thereof, the said bottom surface having a relatively long and narrow recess midway of the sides thereof and extending longitudinally from said heel portion toward said toe portion and terminating at a point between the longitudinal center of said bottom surface and said toe portion thereof; support means for the flat-iron including a first member extending transversely of the flat-iron at the rear of the heel portion of said sole plate for substantially the full width of said heel portion and having a bottom supporting surface, and a second relatively long and narrow member connected to said transverse member substantially midway thereof and having a bottom supporting surface, said second member extending substantially the full length of said recess, said support members having their bottom supporting surfaces in the same plane; a pivotal connection between said support means and the flat-iron body located at the rear of the heel portion of said sole plate and supporting said bottom supporting surfaces above the plane of the bottom of said sole plate when said support means is in non-supporting position; and actuating means under the control of the operator of the flat-iron for moving said support means about said pivotal connection to a position wherein the co-planar bottom supporting surfaces of said support members are below the plane of the bottom of said sole plate and said support means assumes a supporting position with the flat-iron body entirely above said support means.

2,584,072
BACKUP DEVICE FOR WELDING, BRAZING, OR SOLDERING OPERATION
Herbert E. White, Cleveland Heights, Ohio
Application November 29, 1947, Serial No. 788,929
5 Claims. (Cl. 113—111)



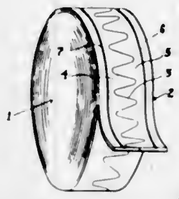
1. A small, unitary, self-contained back-up device for use in welding or soldering thin sheet stock comprising, horseshoe-shaped permanent magnet means having two spaced apart legs terminating substantially in a plane, a back-up plate, and connector means securing said back-up plate to said magnet means with said back-up plate located between said legs, said connector means including spring means normally biasing said back-up plate to a location beyond the ends of said legs.

2,584,073
RESILIENT MOTOR VEHICLE TIRE
John T. A. Williams, New Orleans, La.
Application June 20, 1950, Serial No. 169,197
7 Claims. (Cl. 152—379)



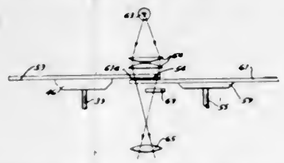
1. A vehicle tire comprising a solid outer section having tapering inwardly extended side walls with overlapping inwardly extended flaps extended inwardly from the said side walls the flaps of each of said walls extended across the inner surface of the solid outer section of the tire and upwardly against the side wall on the opposite side of the tire, and an annular center web extended inwardly from the solid outer section and spaced from the side walls providing enclosed annular air cushions between the center web and side walls.

2,584,074
WRAPPING STRIP
George C. Wilkins, South Windham, Maine
Application August 19, 1949, Serial No. 111,180
1 Claim. (Cl. 206—56)



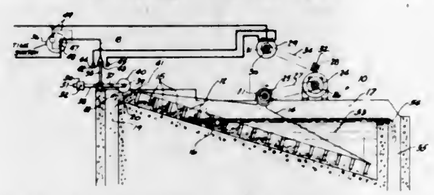
A wrapping means comprising a strip of paper material having a scoring line down from the center of the strip, said scoring line being of a repeated scalloped pattern in the same size and shape with each scallop spaced a definite common measurement from each other, comprising π multiplied by a unit measurement.

2,584,075
PROJECTION APPARATUS WITH OPTICAL COMPENSATOR FOR MULTIPLE OBJECTS
Russell E. Wilson, Cleveland, Ohio
Application April 6, 1949, Serial No. 85,774
16 Claims. (Cl. 88—24)



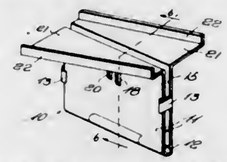
1. In optical apparatus, the combination of a support, a source of light, a lens system, a pair of transparencies carried by said support between units of said system and each bearing an object arranged to intercept light rays from said source; said objects being relatively spaced crosswise to, so as to be wholly on opposite sides of, the optical axis when in the optical field of said lens system; said objects being furthermore separated in the direction of the optical axis, a screen and an optical equalizer wholly disposed in one-half of the optical projection field and on one side of the optical axis and between the transparencies and the said lens system and adapted for extra refraction whereby compensatorily to establish focus of one of said objects with equal clarity as an image upon said screen, said equalizer being predeterminedly fixed a certain axial distance from the object with which it shares a beam of light.

2,584,076
CONTROL SYSTEM
Hugh E. Wurzbach, Magna, Utah
Application November 23, 1945, Serial No. 630,490
12 Claims. (Cl. 209—496)



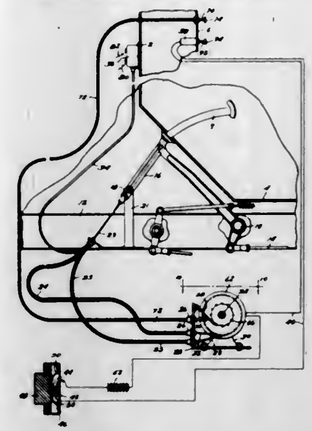
10. In an automatic control system where the rate of flow and density state of a cohesively flowing stream of pulp-like material constitutes the control criterion; control means adapted to respond to fluctuations in the flow and density of said stream; said control means comprising an oscillating supporting structure; a buoyant cylindrical roller float rotatably mounted in said supporting structure and adapted to ride in or upon said stream; means effective to alter the rate of flow of the said stream; and a power-imparting mechanism operative from the said float to the rate-altering means.

2,584,077
MAINTENANCE OF SERVICEABILITY OF DRY SHAVERS
Walter A. Yaeger, Norwalk, Ohio
Application April 7, 1947, Serial No. 739,767
10 Claims. (Cl. 51—216)



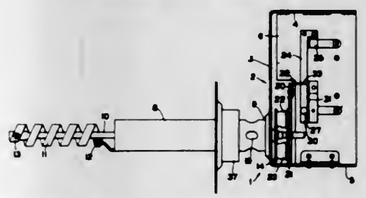
1. In means for honing the blade of an electric shaver wherein the active outer edge of the blade is of planar type, a blade holder for temporarily supporting the removed blade for honing purposes, said blade holder including a pair of hingedly connected sections, the said sections in their closed position being spaced apart to provide an elongated slot extending angularly with respect to the sections, means carried by one of the sections for yieldingly supporting and guiding the blade under light pressure conditions with the active outer edge of the blade exposed above the slot, and fixed guide means on said sections extending above the slot to define a fixed travel path for a hone respecting the blade supported in the slot.

2,584,078
AUTO BRAKE
Hsu Hsi-Yu, Shanghai, China
Application January 28, 1947, Serial No. 724,767
3 Claims. (Cl. 180—83)



1. In a motor vehicle bumper contact actuated stop device, the combination which comprises a bumper positioned on the forward end of a vehicle, spaced arms extended rearwardly from the bumper, cylinders in which the said arms are slidably mounted, shock absorbing springs positioned in the cylinders, a switch positioned on the bumper, a pad slidably mounted on the bumper and positioned to close the said switch as the bumper and pad are engaged by an object, a clutch lever pivotally mounted in the vehicle, a brake lever pivotally mounted in the vehicle, a support having a pin extended therefrom mounted on the vehicle and spaced from the said clutch and brake levers, slotted links positioned to slide over the pin of the support and connected to said clutch and brake levers respectively, a drum positioned in the vehicle, flexible cables mounted on the drum and connected to said slotted links, a motor for actuating the said drum, and a circuit connecting the said motor and switch on the bumper to a source of current supply.

2,584,079
THERMOSTATIC STACK SWITCH HAVING MAGNETIC CLUTCH MECHANISM
Fred B. Aubert, Detroit, Mich.
Application January 26, 1949, Serial No. 72,958
17 Claims. (Cl. 200—138)



10. A thermostatic switch mechanism comprising a switch supporting member having an aperture through one portion thereof, a tubular member secured at one end to said supporting member and alined with said aperture, an operating rod extending through said aperture and said tubular member and supported for rotary movement, a bimetal helix having one end secured to the other end of said tubular member and its other end secured to one end of said rod for ro-

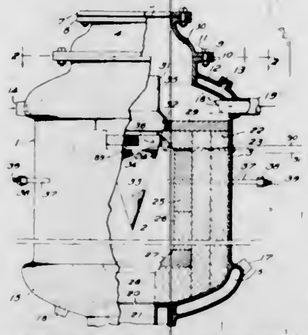
tating the same in response to temperature changes, a disc shaped magnetic armature secured to the other end of said rod and rotatable therewith, a switch operating member pivotally supported on the other end of said rod and operable to have movement relative thereto, said switch operating member having a plurality of bendable fingers extending from its end portion, a second supporting member carried by said first-named supporting member, a snap acting switch mechanism including a movable arm and carried by said second supporting member, two of said fingers being positioned on opposite sides of said second supporting member and engageable therewith to determine the range of movement of said switch operating member, two of said fingers being positioned on opposite sides of said movable arm and engageable therewith to move the same, said second-named two fingers being bendable to determine the range of movement of said switch operating member required to actuate said movable arm, a magnet engaging the surface of said armature, a leaf spring securing said magnet to said switch operating member so as to provide resilient universal contact with said armature, and said magnet and said armature being cooperable to transmit movement of said rod to said switch operating member and to permit lost motion therebetween upon movement of said rod beyond he limits of the range of movement of said switch operating member.

2,584,080

APPARATUS FOR REACTING AMMONIACAL GASES

Alfred G. Houpt, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application April 24, 1947, Serial No. 743,595
5 Claims. (Cl. 23—288)



1. A catalytic reactor having in combination: a vertically-positioned, elongated, metal casing; a horizontal dividing means, whereby the space within the casing is vertically separated into a gas chamber and a combustion chamber, consisting of refractory ceramic segments of suitable arc positioned symmetrically about the vertical axis of said casing; a single central port in said dividing means, said port having a symmetrically enlarged opening at its combustion chamber end; a refractory ceramic conduit in and otherwise closing said port extending therefrom at least into said gas chamber; a catalyst structure consisting of an annular metal base having unitarily attached thereto a pyramidally-shaped gauze of the same metal, said catalyst being positioned with the annulus only in contact with ceramic material only, the apex extending into the combustion chamber and the base otherwise closing the combustion chamber end of said conduit; a refractory ceramic lining in said combustion chamber consisting of said dividing means and a plurality of additional superposed refractory ceramic annuli; a gas inlet port in the gas chamber side at a level between said dividing means and the gas chamber end of said conduit; a gas outlet in the combustion chamber end most remote from said port; a first hollow jacket means comprising at least the portion of said casing adjacent the gas chamber face of said dividing means; a second hollow jacket means comprising at least the end portion of said casing around said gas outlet; and independent ports to introduce fluid into said first and second jacket means and to remove fluid from said first and second jacket means.

2,584,081

DISULFIDE COMPOUNDS

Anthony H. Land, Ridley Park, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Original application October 10, 1947, Serial No. 779,212. Divided and this application March 15, 1951, Serial No. 215,864
1 Claim. (Cl. 260—306.8)

The compound, di-(2-amino-4-thiazolylmethyl)-disulfide, having the formula

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2,584,082

METHOD OF MAKING RIGID FOAM COMPOSITION

Pat Macaluso, Bronxville, N. Y., assignor to Foster D. Snell, Inc., New York, N. Y., a corporation of New York

No Drawing. Application April 26, 1948, Serial No. 23,387
5 Claims. (Cl. 106—122)

1. The process of producing a substantially rigid, lightweight thermal insulating product which comprises forming an aqueous solution containing 100 parts by weight of water, 4 to 15 parts of animal protein glue, 0.2 to 2.25 parts of an anion-active surface active agent, a water soluble animal protein glue tanning salt selected from the group consisting of a water soluble animal protein glue tanning salt of a metal selected from the group consisting of chromium, aluminum and ferric iron; and incorporating air through said aqueous solution to form a tough stable glue foam; and then mixing short length, non-comminuted fibers with said glue foam in proportion of about 30 to 100 parts of glue to 100 parts of fibers; shaping the resulting mixture to the form desired and drying the shaped product.

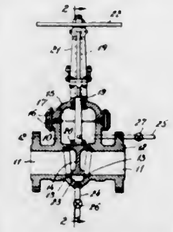
2,584,083

GATE VALVE

Dana S. Mellett, Dearborn, Mich., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application February 22, 1945, Serial No. 579,240
1 Claim. (Cl. 251—59)

An improved gate valve which comprises in combination: a valve body, a pair of seat rings suitably arranged and spaced across said body, a movable disk adapted to fit snugly between said rings so as to shut off fluid flow therethrough, said disk being of such size as to provide an annular space around its periphery between its outer edge and said valve body, the lowermost portion of said disk terminating within the outer periphery of said seat rings when the disk is in closed position, said seat rings being so mounted across said body that said annular space is limited in width to the width of said disk, the planes of the faces of said seat rings being tangent to that innermost portion of the valve body which together with the disk forms the annular space and into which the seat rings are mounted, a valve bonnet connected into the top of said valve body so as to provide a disk receiving chamber for said disk when disengaged from said seat rings, said disk receiving chamber communicating therebelow, when said disk is in the valve closed position only with said annular space, and a stuffing box within the upper portion of said



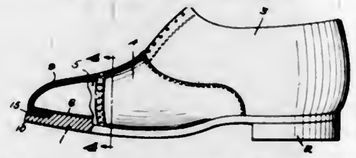
bonnet, a valve stem extending longitudinally through said bonnet and associated with said disk to provide movement thereof between valve open and valve closed position, a drain pipe connected to the approximate bottom of said valve body and in free communication with only said annular space, a valve on said drain pipe, fluid inlet connections on said valve body on opposite sides of said disk receiving chamber and opening directly over said annular space, a shield attached to the inside of said valve body opposite each of said inlet connections, said shields surrounding the opening of each of said inlet connections except below whereby fluid entering from said inlet connections may be jetted directly into said annular space on opposite sides thereof and means to introduce flushing fluid through said inlet connections.

2,584,084

METHOD OF MAKING FLEXIBLE FOOTWEAR

Jerome A. Rubico, East Boston, Mass., assignor to Jerome Rubico, Inc., Boston, Mass., a corporation of Massachusetts

Application May 7, 1949, Serial No. 91,927
2 Claims. (Cl. 12—142)



1. The improved process of manufacturing flexible footwear of the kind described, which consists in providing a sole with a reduced marginal edge portion constituting a shoulder, providing a welt, securing the inner edge of the welt to said shouldered portion with the body part of the welt extending unattached in parallelism with said reduced marginal sole portion, thus constituting a prepared sole and floating welt attached thereto, assembling upper materials on a last with an insole element, cement-lasting said upper materials and the marginal part of the said insole element, removing the middle portion of said insole element, and thereupon uniting the cement-lasted upper to the surface of the floating welt.

2,584,085

LUBRICANT

Fred H. Stross, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 20, 1948, Serial No. 39,805
14 Claims. (Cl. 252—28)

9. A composition comprising the following ingredients in the stated proportions:

	Parts by weight
Oleaginous substance	5–20
Inorganic grease-forming gel	1
Polymerization product of an organisilicon halide	0.5–5

said polymerization product being sorbed on said gel, the latter being dispersed in the oleaginous substance and having a structure substantially the same as originally formed.

2,584,086

HYDRAULIC FLUID COMPOSITION

Aaron Wachter and Nathan Stillman, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 8, 1946, Serial No. 675,445
7 Claims. (Cl. 252—77)

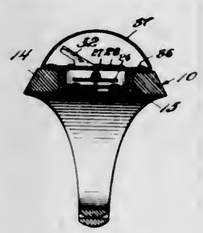
1. As a composition of matter, a hydraulic fluid comprising essentially a predominant amount of a mixture of ethylene glycol and a substantial amount greater than about 2 weight per cent of water, and between about 0.01 weight per cent and about 30 weight per cent of a secondary amine nitrite salt having a vapor pressure of at least about 0.0001 mm. of Hg at 21° C., the amount of said salt being based upon the total weight of said composition, said composition having a pH of at least about 6.

2,584,087

JEWELRY ARTICLE

Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island

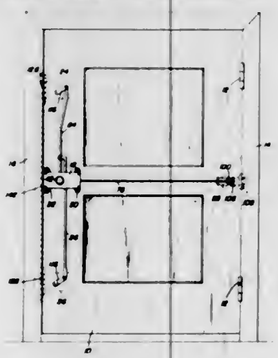
Application October 15, 1947, Serial No. 779,989
1 Claim. (Cl. 63—14)



In a ring for personal wear having a finger wearing shank merging into a top wall having a frusto-conical edge with a flat upper surface provided with an opening extending completely through said wall at right angles to said surface, said opening being of a size to provide a marginal upper edge surface about said opening, a cup of a depth no greater than the thickness of said wall received in said opening and having

a flange thereon resting on said marginal upper edge surface covering an area less than the surface area thereof, said flange having a recess extending about said cavity in the cup providing a shoulder, a transparent plate extending over said cup and resting on said shoulder and extending flush with said flange and cemented to said shoulder, a transparent generally hemispherical dome with its surface forming substantially an extension of said frusto-conical surface and extending about and secured in contact with the peripheral edge of said flange and the surrounding flat surface of said wall, means mounted on said transparent plate and means within said cup to be viewed through said plate and dome.

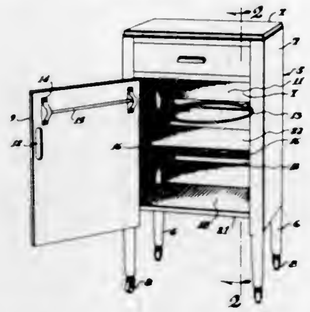
2,584,088
DOOR LOCK
William Floyd, New York, N. Y.
Application October 17, 1949, Serial No. 121,721
4 Claims. (Cl. 292—33)



1. In a locking assembly for a door having front and rear door jambs comprising a locking mechanism mounted upon the door at the front edge thereof, a casing for said locking mechanism, said assembly comprising a plurality of bolt housings adapted to be mounted upon the door at the front and rear edges thereof, bolt keepers adapted to be mounted in the front and rear door jambs, a lock shaft in said casing, a first cam on said shaft, a main latch in said casing connected to said first cam, a pair of bolts in a pair of bolt housings at the front edge of the door, a second cam on said shaft, means connecting said pair of bolts at the front edge of the door to said second cam, bolt actuating mechanisms for said pair of bolts, a third cam on said shaft, and means connecting a bolt at the rear edge of said door to said third cam.

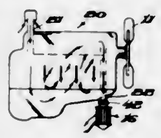
2,584,089
BEDSIDE CABINET
William A. Hillenbrand, Franklin County, and Francis J. Burst, Batesville, Ind., assignors to Hill-Rom Company, Inc., Batesville, Ind., a corporation of Indiana
Application November 27, 1946, Serial No. 712,494
1 Claim. (Cl. 312—213)

In a bedside cabinet having a main cabinet structure including side walls, a back wall, a top, and a front door hinged at one side thereof which is adapted to swing shut and thereby close the front of said main cabinet structure, the improvement which comprises a lower shelf constituting a bottom for the main cabinet structure, said lower shelf having its forward edge set back from the front of the main cabinet structure to provide an air passageway between said edge and the inner face of the door when the door is shut, a second shelf disposed horizontally in said cabinet structure between said top and bottom whereby said second shelf defines an upper compartment and a lower compartment in said main cabinet structure, a resilient sealing strip attached to the forward edge of the second shelf, said strip being engageable by the inner face of the door when the door is shut to seal the upper compartment from the lower one, the back wall



of said cabinet structure having apertures therein opening into each of said compartments, and said door having a hand hole therein opening into said upper compartment only, whereby said hand hole and back wall aperture in the upper compartment provide cross ventilation for said upper compartment only, and said air passageway and back wall aperture in the lower compartment provide cross ventilation for said lower compartment only.

2,584,090
VENTILATION OF CRANKCASES FOR INTERNAL-COMBUSTION ENGINES
William S. James, Birmingham, Mich., assignor to Fram Corporation, a corporation of Rhode Island
Application December 17, 1948, Serial No. 65,930
3 Claims. (Cl. 123—41.86)

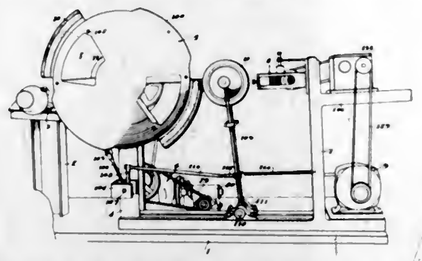


1. In an internal combustion engine having a crankcase, an air outlet tube communicating with said crankcase and an exhausting unit having means symmetrical with respect to the axis of said air outlet and responsive to air current striking the outside of the same from any direction throughout 360° with relation to said axis to suck gasses therethrough and means to connect said unit to said outlet tube.

2,584,091
STEROID 6-ACETIC ACIDS
Emil Kaiser and Jerry Svarz, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 8, 1948, Serial No. 26,002
18 Claims. (Cl. 260—397.1)

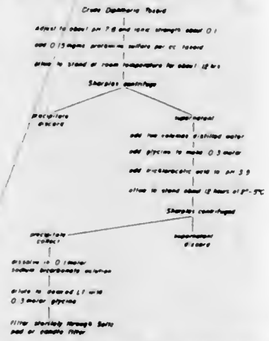
1. A cyclopentanoperhydrophenanthrene compound having attached at its 6-position an acetic acid group.

2,584,092
CUP DECORATING MACHINE
Jay H. Keller and Ray Riley, Sebring, Ohio, assignors to Solar Engineering & Equipment Company, Beaver, Pa., a corporation of Pennsylvania
Application February 17, 1948, Serial No. 8,914
7 Claims. (Cl. 101—38)



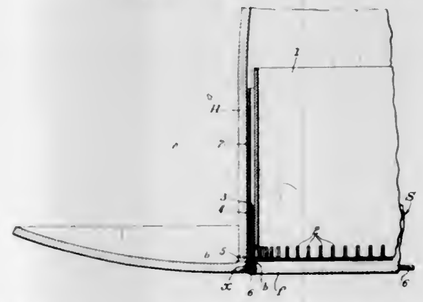
1. A ware decorating machine adapted to apply decorative indicia around the periphery of ware pieces having one or a plurality of lateral projections, comprising; a rotary printing drum having arcuate printing devices on its circumference, proportioned to the cylindrical circumference of the ware between the lateral projections thereof, a ware holding chuck slidably mounted adjacent said printing drum for movement in a path parallel to the plane of rotation of said drum, means for rotating said drum, spring means for urging said ware holding chuck toward said printing drum, cam means associated with said printing drum arranged to shift said chuck toward said drum circumference in timed relation to the rotation of said printing drum, to present the leading edge of the printing device to the ware at a point on the circumference of the ware adjacent a lateral projection thereof and to shift the chuck away from the circumference of said printing drum against the bias of said spring means when the trailing edge of said printing device approaches a lateral projection on the ware.

2,584,093
METHOD OF PURIFYING DIPHTHERIA TOXOIDS
Robert B. Pennell, Lansdowne, and Peter Masucci, Norwood, Pa., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
Application July 7, 1949, Serial No. 103,537
4 Claims. (Cl. 167—78)



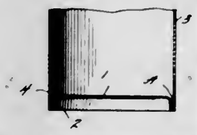
1. The process of preparing purified diphtheria toxoid which comprises adding to crude diphtheria toxoid a protamine salt to a concentration of 0.05–0.30 mgm. per cc. of crude toxoid, adjusting the pH to 7.0–8.3 and the ionic strength to .03–.25, allowing the mixture to stand for 2–72 hours, removing and discarding the precipitate, adding glycine to the recovered liquid to 0.05-.5 M concentration, adjusting the pH to 3.0 to 4.5, allowing the mixture to stand for 4–16 hours under refrigerated temperature, recovering the precipitate, and dissolving the precipitate in a suitable solvent.

2,584,094
WATERPROOF SWEATBAND FOR HATS
Rudolph J. Sailer, Townley, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 24, 1949, Serial No. 72,336
1 Claim. (Cl. 2—181)



In a waterproof sweatband structure, a folded strip of waterproof fabric comprising two opposed and substantially flat flaps and a fold portion connecting said flaps, one of said flaps constructed and arranged to be attached to a hat body and the other designed to have a leather sweatband secured thereto, a reed slidingly mounted within and lengthwise of said fold portion, and a flat sheet of thermoplastic waterproof material having a longitudinal marginal edge portion, said sheet aligned flatwise between said flaps with its marginal edge portion disposed adjacent but free of the proximate side of said reed, said waterproof sheet material being bonded to said flaps along a line adjacent to but outside the confines of said fold portion so as to draw said fold portion directly about said reed which is slidingly mounted therein.

2,584,095
TUBULAR CONTAINER
Charles E. Slaughter, New Canaan, Conn., assignor to Extruded Plastics, Inc., Norwalk, Conn., a corporation of Connecticut
Application June 13, 1946, Serial No. 676,493
2 Claims. (Cl. 229—5.5)

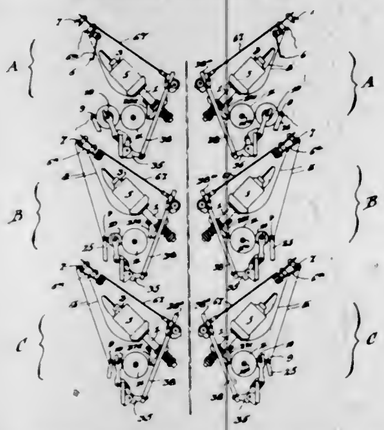


1. A tubular container comprising a self-supporting tube made from flexible thermoplastic said tube having straight side walls and having its end closed by a disc-like closure made of flexible thermoplastic and provided with a peripheral flange fitting within said tube, the disc-like portion of the closure being smaller than the internal cross-sectional area of the tube, the flange tapering outwardly from the disc-like portion,

the outer peripheral edge only of the tapering wall of the flange exerting pressure against the inner wall of the tube and providing a capillary space between the remainder of the flange and the inner wall of the tube in which capillary space a sealing composition is limited to seal the flange to the wall of the tube contiguous thereto.

2. The method of sealing the end of thermoplastic tube to produce a container therefrom which comprises inserting a disc-like closure made of flexible thermoplastic into the end of a self-supporting tube made of flexible thermoplastic, said tube having straight side walls, said closure having a peripheral flange fitting within the tube, the disc-like portion of the closure being smaller than the internal cross-sectional area of the tube, the flange tapering outwardly from the disc-like portion, the outer peripheral edge only of the tapering wall of the flange exerting pressure against the inner wall of the tube and providing a capillary space between the remainder of the flange and the inner wall of the tube, placing the end of the tube carrying the inserted closure on a layer of sealing composition for the thermoplastic the depth of the layer being less than the height of the flange whereby the sealing composition rises by capillarity between the flange of the closure and the inner wall of the tube, removing the tube from the said layer, and drying the treated plastic, whereby a sealed tubular container is obtained with the sealing composition limited in position to the capillary space between the flange and the wall of the tube.

2,584,096
STOP MOTION FOR TWISTING AND WINDING MACHINES
Pacific J. Thomas, Wyoming, Pa., assignor to U. S. Textile Machine Company, Scranton, Pa., a corporation of Pennsylvania
Application December 30, 1948, Serial No. 68,199
5 Claims. (Cl. 57—80)



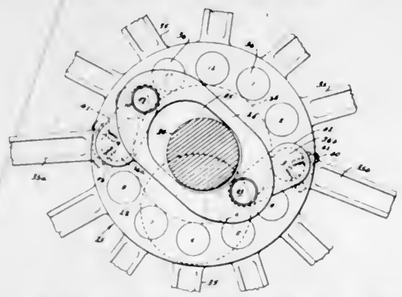
1. A textile apparatus for winding and twisting yarn comprising a supply spindle, a yarn receiving spool and a yarn breakage detector arm in close relationship to one another, spring means for holding said yarn supply spindle in operative position, spring means for holding said yarn receiving spool in operative position, an operating member controlled by said yarn breakage detector arm and movable and extending between the spring holding means of said yarn supply spindle and said yarn receiving spool for effecting release and movement of said yarn supply spindle and yarn receiving spool from an operative position to an inoperative position in its movement in one direction, and effect movement of said yarn supply spindle and yarn receiving spool from their inoperative to their operative position in its movement in the opposite direction.

2,584,097
CONSTANT VELOCITY UNIVERSAL JOINT
Nikola Trbojevich, Cleveland, Ohio
Application March 11, 1946, Serial No. 653,601
2 Claims. (Cl. 64—21)



2. A universal joint comprising two rotatable shaft members, a plurality of intermeshing projections in each shaft, two circular grooves in each projection, one on each side thereof, a spherical bearing having a center in the shaft axis and concentric with the said grooves in each shaft, a plurality of balls in the said grooves, a relatively movable inner ring member contacting the said balls at their inner circumference and means seated in the spherical bearings for holding the said bearing centers at a predetermined distance apart during all phases of revolution.

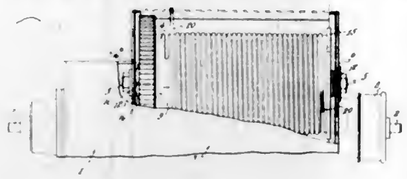
2,584,098
RADIAL ENGINE
Donald I. Bohn, Pittsburgh, Pa., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 24, 1950, Serial No. 197,371
10 Claims. (Cl. 74—580)



1. In a radial engine, a plurality of radially arranged cylinders, a piston individual to each cylinder; a connecting rod individual to each piston; a crank shaft having a crank pin; a bearing on said crank pin; a knuckle pin individual to each connecting rod and connecting each connecting rod to said bearing; a link axially displaced from said bearing; said link connecting a pair of knuckle pins.

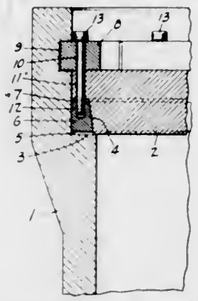
2,584,099
HOISTING DRUM
John P. Harkrader, Rumson, N. J.
Application November 28, 1950, Serial No. 197,891
3 Claims. (Cl. 242—117)

1. A hoist drum comprising a hollow cylindrical body having an interior wall forming a radial shoulder, the peripheral wall of the drum having a circumferential groove which opens through said interior wall to nicely receive the end portion of a cable, and said peripheral wall of the drum also having an opening permitting free passage



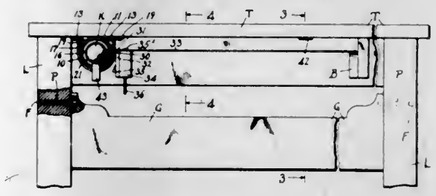
of an anchoring device on such a cable into abutment with said radial shoulder, and a plug removably secured in said opening to overlie said cable end portion and said anchoring device so as to hold them against disconnection from the drum through said groove and opening.

2,584,100
HIGH-PRESSURE CLOSURE
Otto E. Uecker, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application February 7, 1949, Serial No. 74,960
1 Claim. (Cl. 220—46)



A high pressure closure for a vessel comprising, a shell having a generally cylindrical open end to be closed, said shell being formed with an internal shoulder facing said open end and spaced inwardly thereof and having an internal groove between said shoulder and said open end, a tapered head fitting within the cylindrical open end of said shell with the inner end of said head having a lesser diameter than the outer end of said head to provide a diverging recess between the head and the shell, a sealing ring disposed within said recess and having a surface to complement the taper of said head, a plurality of retaining segments disposed within the internal groove and in contacting relation with the head to prevent outward movement of said head, a plurality of securing members freely extending through said segments and partially threaded into said sealing ring to retain said segments within said groove and to draw the ring outwardly and wedge said ring between the head and the shell to initially seal the joint therebetween, and said sealing ring automatically sealing itself tightly between the head and shell as the ring is forced axially outward by the pressure developed internally of said shell.

2,584,101
COLLAPSIBLE AND CONCEALABLE READING RACK
Sven J. Stayboldt, Los Angeles, Calif.
Application March 9, 1950, Serial No. 148,625
4 Claims. (Cl. 45—82)

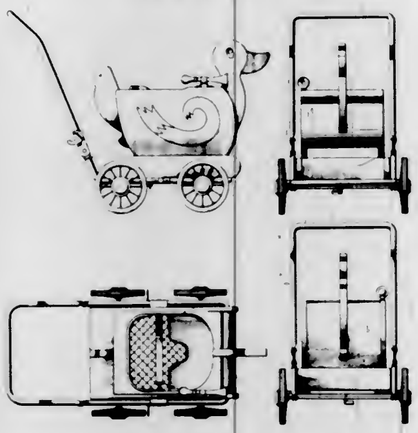


1. In combination, a table having a top and legs thereof, a rack for supporting reading matter, an arm for supporting the rack including telescopic sections one of which is rotatable, means attaching said rack to said rotatable section for turning therewith, means for mounting the arm beneath the table top for movement of said rotatable section and rack from position beneath the top into position disposing the rack to one side of the top, means operating when the rack is moved from beneath the top during extension of said rotatable section for turning said section to dispose the rack in upright position and which turns said section to dispose the rack in horizontal position for retraction beneath the table top while said section is being moved into a position beneath the top, and a gate pivoted to legs of the table for movement from position concealing the arm and rack, into open position affording access to and extension of said rotatable section and rack into position of use.

DESIGNS

JANUARY 29, 1952

165,730
STROLLER
John Abahazi, Jr., Lorain, Ohio
Application August 8, 1951, Serial No. 16,209
Term of patent 7 years
(Cl. D14—14)



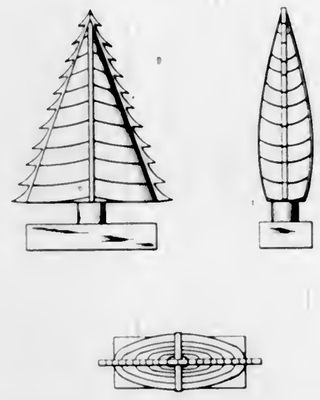
The ornamental design for a stroller, as shown and described.

165,731
COMBINED TELEVISION AND RADIO-PHONOGRAPH CABINET
Samuel E. Adler, Chicago, Ill.
Application January 6, 1951, Serial No. 13,694
Term of patent 14 years
(Cl. D56—4)



The ornamental design for a combined television and radio-phonograph cabinet, as shown and described.

165,732
CHRISTMAS TREE
Henry S. Anderson, Holden, Mass.
Application December 17, 1949, Serial No. 6,683
Term of patent 14 years
(Cl. D29—1)



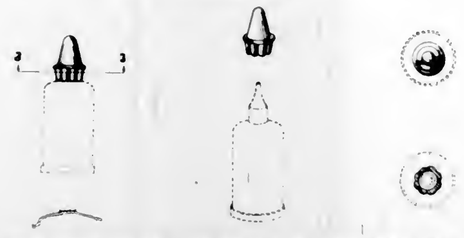
The ornamental design for a Christmas tree, as shown.

165,733
SCHOOL DESK AND SEAT FRAME
William James Bargen, Waukegan, Ill.
Application March 29, 1951, Serial No. 14,663
Term of patent 14 years
(Cl. D15—1)



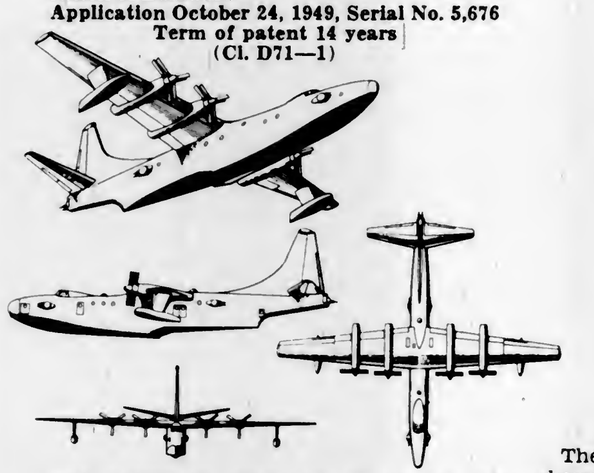
The ornamental design for a school desk and seat frame, as shown and described.

165,734
COMBINED BOTTLE AND BOTTLE CAP
Murray M. Barton, Kansas City, Mo., assignor to Injection Molding Company, Kansas City, Mo., a corporation of Missouri
Application April 12, 1951, Serial No. 14,810
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a combined bottle and bottle cap, as shown and described.

165,735
AIRPLANE
Ralph L. Bayless and Ernest G. Stout, San Diego, Calif., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application October 24, 1949, Serial No. 5,676
Term of patent 14 years
(Cl. D71—1)



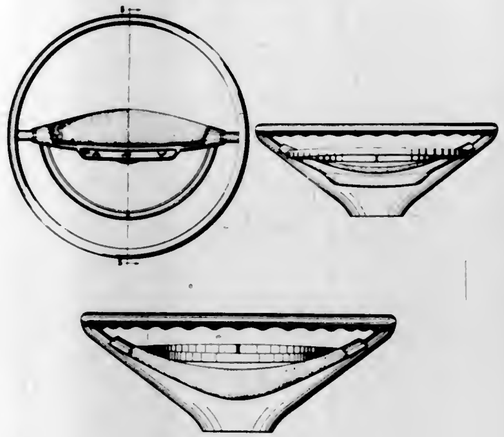
The ornamental design for an airplane, substantially as shown.

165,736
LADY'S HANDBAG
Llewellyn Bley, Ridgefield Park, N. J., assignor to Llewellyn, Inc., New York, N. Y.
Application October 29, 1951, Serial No. 17,161
Term of patent 7 years
(Cl. D87—3)



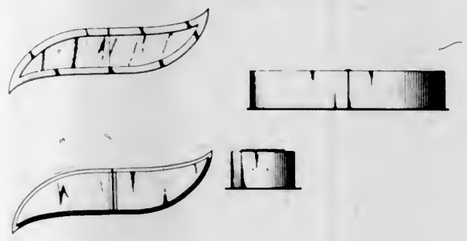
The ornamental design for a lady's handbag, substantially as shown.

165,737
STEERING WHEEL
Robert E. Bourke, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application February 23, 1951, Serial No. 14,297
Term of patent 14 years
(Cl. D14—30)



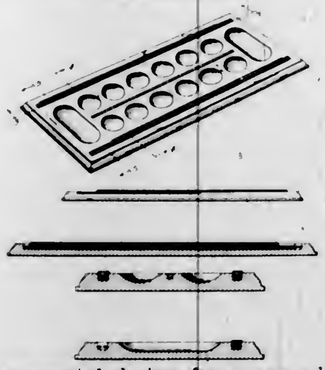
The ornamental design for a steering wheel, as shown.

165,738
LIGHT FIXTURE
Isaac S. Brochstein, Houston, Tex.
Application May 24, 1951, Serial No. 15,302
Term of patent 14 years
(Cl. D48—23)



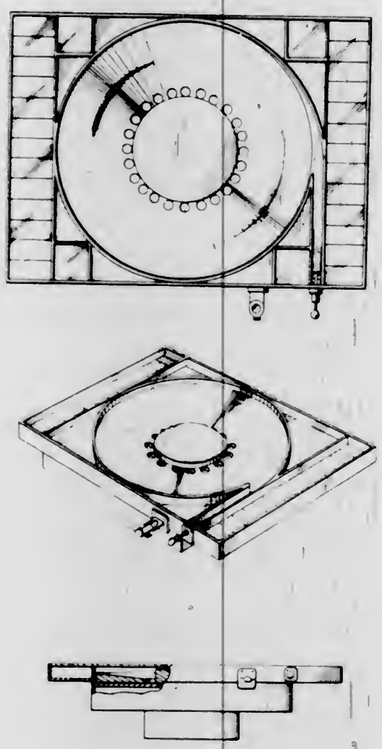
The ornamental design of a light fixture, substantially as shown and described.

165,739
GAME BOARD
William J. Champion, Mystic, Conn.
Application June 27, 1951, Serial No. 15,689
Term of patent 14 years
(Cl. D34—5)



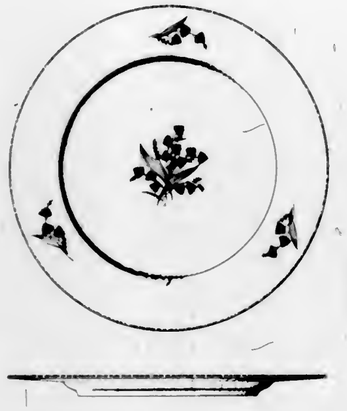
The ornamental design for a game board, as shown and described.

165,740
PLAYING UNIT FOR GAME TABLES OR SIMILAR ARTICLES
Sidney T. Cooper, Plainview, Tex.
Application August 16, 1949, Serial No. 4,523
Term of patent 3½ years
(Cl. D34—5)



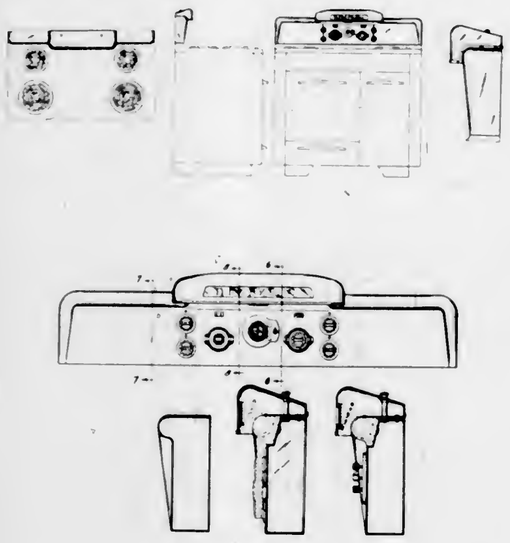
The ornamental design for a playing unit for game tables or similar articles, as shown.

165,741
PLATE OR THE LIKE
Philip R. Costigan, Hamburg, Pa., assignor to Castleton China Incorporated, New York, N. Y., a corporation of New York
Application July 17, 1951, Serial No. 15,921
Term of patent 14 years
(Cl. D44—15)



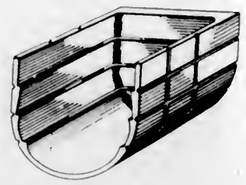
The ornamental design for a plate or the like, as shown.

165,742
ELECTRIC RANGE
Edwin R. Culver, Jr., St. Louis, Mo., assignor to Wrought Iron Range Company, St. Louis, Mo., a corporation of Missouri
Application March 28, 1951, Serial No. 14,651
Term of patent 3½ years
(Cl. D81—4)



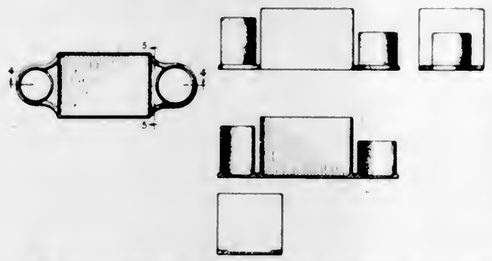
The ornamental design for an electric range, substantially as shown and described.

165,743
MEASURING DEVICE FOR SEMISOLIDS
Otto Dieckmann, Cincinnati, Ohio
Application September 28, 1949, Serial No. 5,199
Term of patent 3½ years
(Cl. D52—1)



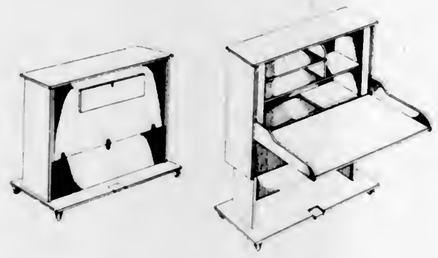
The ornamental design for a measuring device for semisolids, as shown.

165,744
COMBINED HOLDER FOR OYSTERETTES AND SEA FOOD CONDIMENTS
Isidor Fishman, Brooklyn, N. Y.
Application December 29, 1950, Serial No. 13,625
Term of patent 3½ years
(Cl. D44—10)



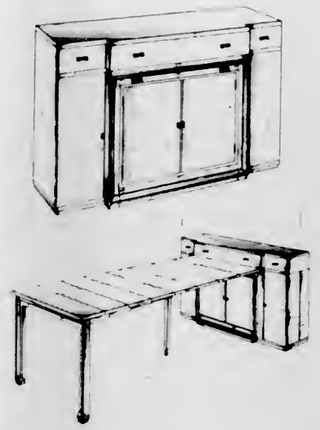
The ornamental design for a combined holder for oysterettes and sea food condiments, substantially as shown.

165,745
VERTICALLY ADJUSTABLE COMBINATION CABINET AND DESK
Boad S. L. Freitag, Balboa Island, Calif.
Application August 23, 1949, Serial No. 4,653
Term of patent 14 years
(Cl. D33—19)



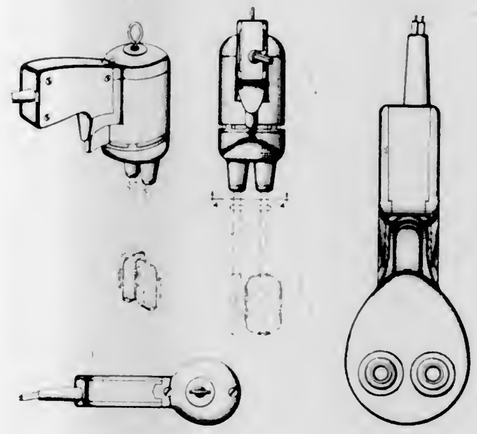
The ornamental design for a vertically adjustable combination cabinet and desk, as shown.

165,746
EXTENSION COMMODE
Harry B. Gaines, Chicago, Ill., assignor to Saginaw Furniture Shops, Inc., Chicago, Ill., a corporation of Michigan
Application March 15, 1951, Serial No. 14,510
Term of patent 14 years
(Cl. D33—19)



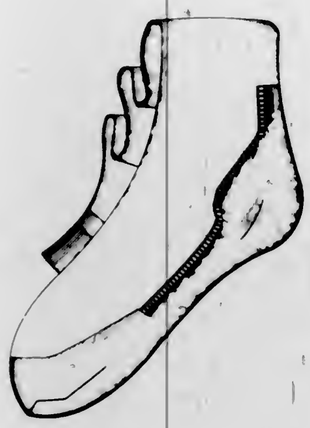
The ornamental design for an extension commode, substantially as shown and described.

165,747
ELECTRIC FOOD MIXER
Clark H. Gemmill, Chicago, Ill.; City National Bank and Trust Company, administrator of Clark H. Gemmill, deceased
Application June 20, 1950, Serial No. 10,638
Term of patent 14 years
(Cl. D44—8)



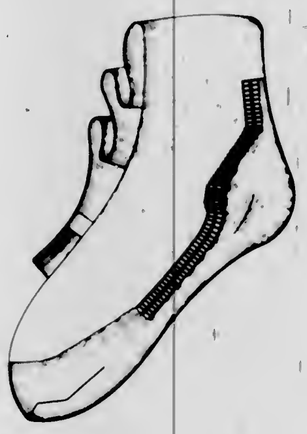
The ornamental design for an electric food mixer, as shown and described.

165,748
STOCKING
Clarence David Goff, Philadelphia, Pa.
Application October 20, 1950, Serial No. 12,637
Term of patent 14 years
(Cl. D47—7)



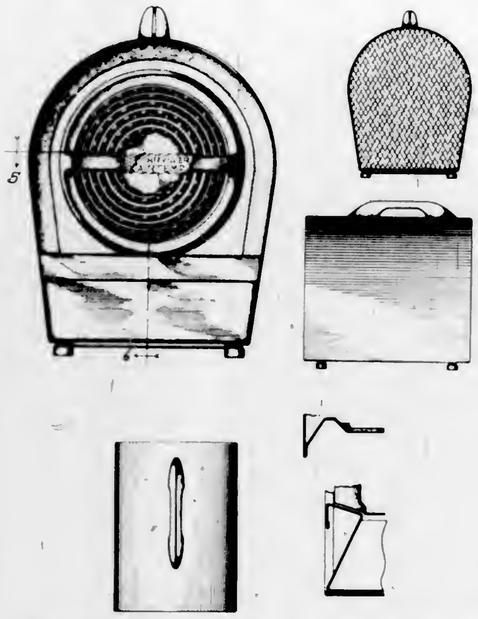
The ornamental design for a stocking, as shown.

165,749
STOCKING
Clarence David Goff, Philadelphia, Pa.
Application October 20, 1950, Serial No. 12,638
Term of patent 14 years
(Cl. D47—7)



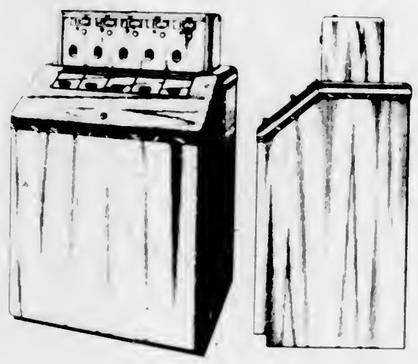
The ornamental design for a stocking, as shown.

165,750
DEHUMIDIFIER
John F. Halbeisen, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 14, 1951, Serial No. 15,171
Term of patent 14 years
(Cl. D62—4)



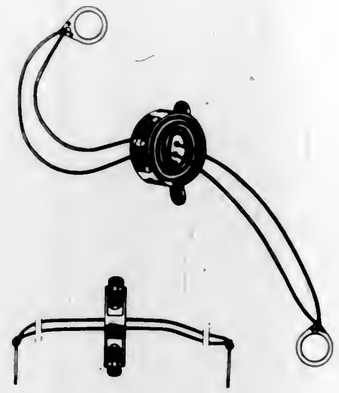
The ornamental design for a dehumidifier, substantially as shown and described.

165,751
VENDING MACHINE OR SIMILAR ARTICLE
Fred Hebel, Chicago, Ill., assignor to Fred Hebel Corporation, Chicago, Ill., a corporation of Illinois
Application July 13, 1950, Serial No. 11,109
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a vending machine or similar article, as shown and described.

165,752
SPINNING TOY
Jan Heim, New York, N. Y.
Application July 3, 1951, Serial No. 15,754
Term of patent 7 years
(Cl. D34—15)



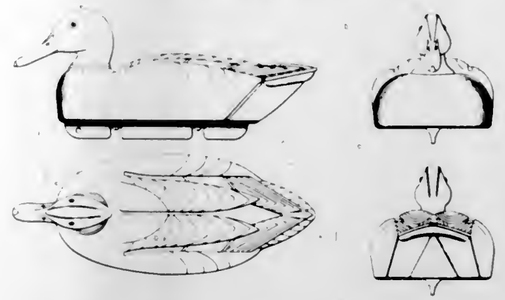
The ornamental design for a spinning toy, substantially as shown and described.

165,753
BRUSH CLEANER FOR FLOORS AND WALLS
Marshall Herron, Sacramento, Calif.
Application October 6, 1950, Serial No. 12,475
Term of patent 14 years
(Cl. D9—2)



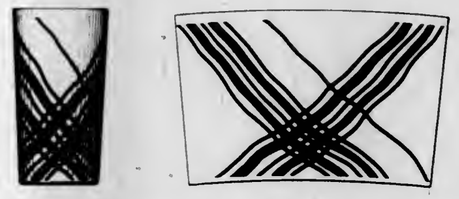
The ornamental design for a brush cleaner for floors and walls, as shown and described.

165,754
DUCK DECOY
George L. Herter, Waseca, Minn.
Application January 25, 1951, Serial No. 13,951
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a duck decoy, substantially as shown.

165,755
TUMBLER OR SIMILAR ARTICLE
Willard R. Horne, New York, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application January 23, 1951, Serial No. 13,919
Term of patent 7 years
(Cl. D36—8)



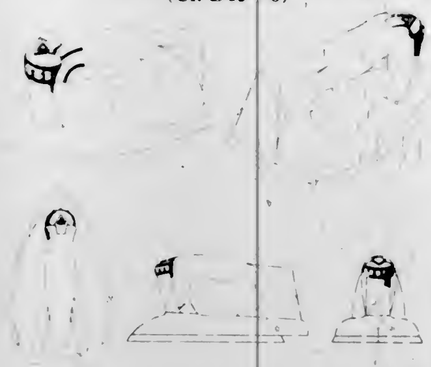
The ornamental design for a tumbler or similar article, substantially as shown.

165,756
LAWN SPRINKLER
Herbert S. Ingham, Roslyn Estates, and Charles K. Wilson, East Williston, N. Y., assignors to Metallizing Engineering Co. Inc., Long Island City, N. Y., a corporation of New Jersey
Application September 25, 1951, Serial No. 16,742
Term of patent 14 years
(Cl. D91—1)



The ornamental design for a lawn sprinkler, as shown and described.

165,757
ELECTRIC SADIRON
Murray Ireland, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application November 30, 1949, Serial No. 6,342
Term of patent 14 years
(Cl. D49—6)



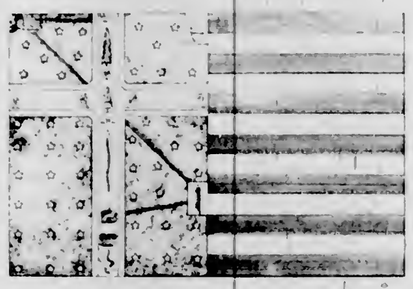
The ornamental design for an electric sadiron, substantially as shown and described.

165,758
NESTING CART
Samu-El Ish-Shalom, New York, N. Y.
Application July 29, 1950, Serial No. 11,483
Term of patent 14 years
(Cl. D14—3)



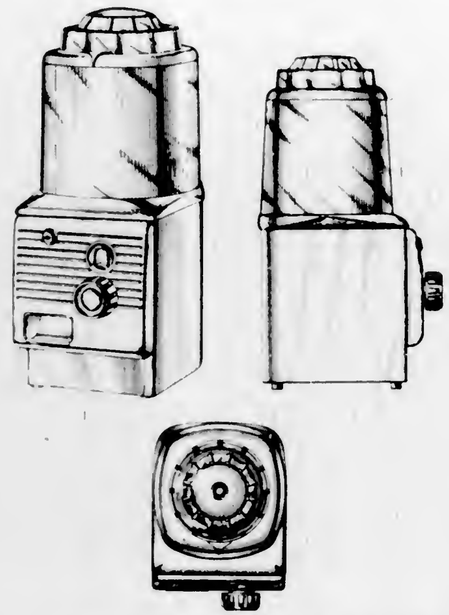
The ornamental design for a nesting cart, substantially as shown.

165,759
CHRISTIAN FLAG
Carl L. Jensen, Telluride, Colo.
Application December 28, 1949, Serial No. 6,862
Term of patent 7 years
(Cl. D29—17)



The ornamental design for a Christian flag, as shown.

165,760
SELECTIVE MERCHANDISE VENDING MACHINE
Alva R. Jones, Morris, Ill., assignor to The Northwestern Corporation, Morris, Ill.
Application August 18, 1951, Serial No. 16,370
Term of patent 14 years
(Cl. D52—3)



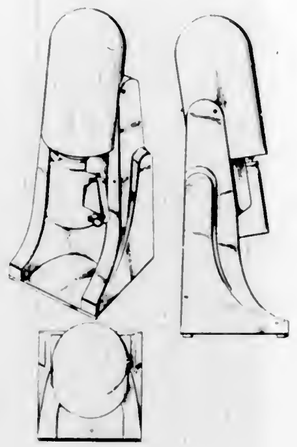
The ornamental design for a selective merchandise vending machine, substantially as shown and described.

165,761
MANICURE KIT
Stuart S. Joslyn, Chester, Conn., assignor to C. J. Bates & Son, Chester, Conn., a firm
Application October 31, 1950, Serial No. 12,787
Term of patent 7 years
(Cl. D87—3)



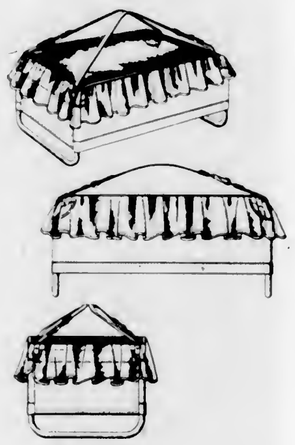
The ornamental design for a manicure kit, as shown and described.

165,762
MIXER FOR FROZEN DESSERTS
Walter C. Kelley and Herbert C. Phillips, Los Angeles, Calif., assignors to Minick's Ice Cream Co., Inc., Los Angeles, Calif., a corporation of California
Application November 2, 1951, Serial No. 17,238
Term of patent 7 years
(Cl. D44—8)



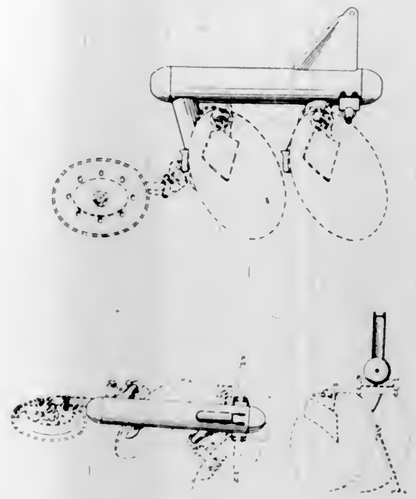
The ornamental design for a mixer for frozen desserts, substantially as shown.

165,763
BASSINET OR SIMILAR ARTICLE
Harold L. Kirby, Glendale, Calif.
Application June 8, 1950, Serial No. 10,409
Term of patent 14 years
(Cl. D5—4)



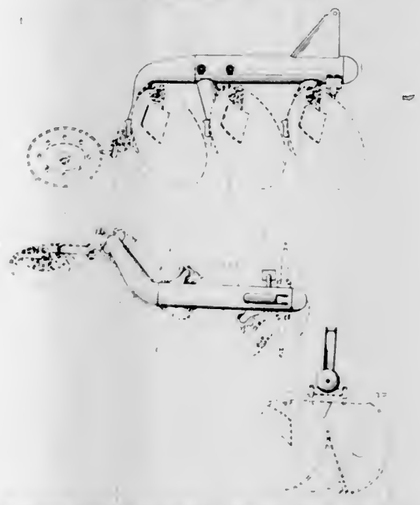
The ornamental design for a bassinet or similar article, as shown.

165,764
DISK PLOW
Herman G. Klemm, Birmingham, Mich., assignor to Harry Ferguson, Inc., Detroit, Mich., a corporation of Delaware
Application April 11, 1949, Serial No. 1,895
Term of patent 14 years
(Cl. D39—1)



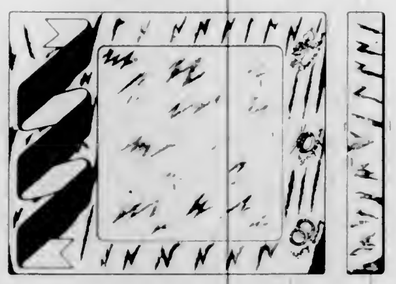
The ornamental design for a disk plow, substantially as shown and described.

165,765
DISK PLOW
Herman G. Klemm, Birmingham, and Noral A. Nelson, Royal Oak, Mich., assignors to Harry Ferguson, Inc., Detroit, Mich., a corporation of Delaware
Application April 11, 1949, Serial No. 1,896
Term of patent 14 years
(Cl. D39—1)



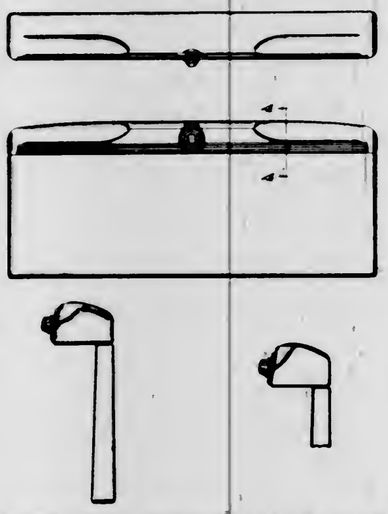
The ornamental design for a disk plow, substantially as shown and described.

165,766
LADY'S UNDERGARMENT CONTAINER
Irving Kornblau, New York, N. Y.
Application April 24, 1951, Serial No. 14,941
Term of patent 3½ years
(Cl. D58—12.6)



The ornamental design for a lady's undergarment container, substantially as shown and described.

165,767
BACK GUARD FOR A RANGE
Ralph E. Kruck, Clinton, Conn., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application May 5, 1950, Serial No. 9,746
Term of patent 14 years
(Cl. D81—25)



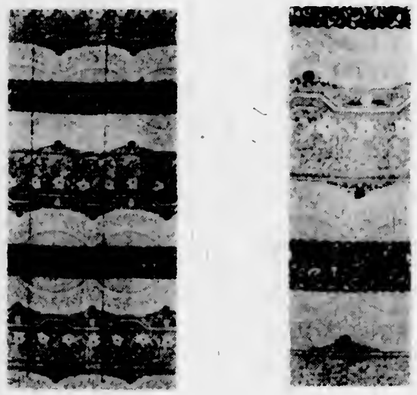
The ornamental design for a back guard for a range, as shown.

165,768
LADY'S STOCKING
Otto E. Kuehnert, Selinsgrove, Pa., assignor of fifty per cent to Nellie Kuehnert, Selinsgrove, Pa.
Application May 3, 1949, Serial No. 2,410
Term of patent 3½ years
(Cl. D47—7)



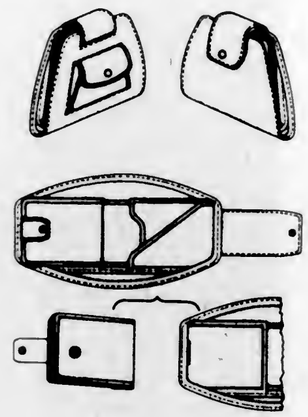
The ornamental design for a lady's stocking, as shown and described.

165,769
TEXTILE FABRIC
Ben Leerer, New York, N. Y.
Application March 8, 1951, Serial No. 14,429
Term of patent 3½ years
(Cl. D92—1)



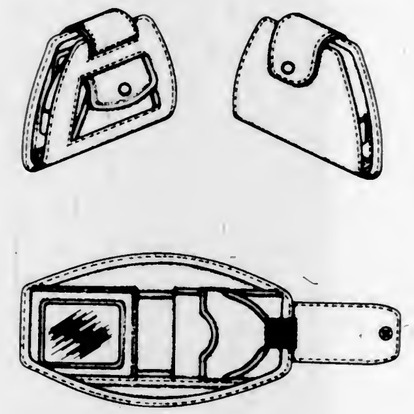
The ornamental design for a textile fabric, substantially as shown and described.

165,770
COMBINED BILLFOLD AND PICTURE HOLDER OR THE LIKE
William Lipp, New York, N. Y.
Application July 9, 1951, Serial No. 15,793
Term of patent 7 years
(Cl. D87—3)



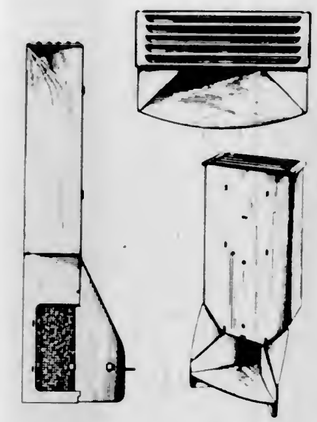
The ornamental design for a combined billfold and picture holder or the like, substantially as shown.

165,771
BILLFOLD OR THE LIKE
William Lipp, New York, N. Y.
Application July 9, 1951, Serial No. 15,794
Term of patent 7 years
(Cl. D87—3)



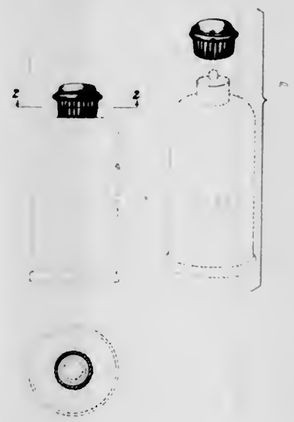
The ornamental design for a billfold or the like, substantially as shown.

165,772
BUILDING MOUNTED COMBINATION AIR INTAKE AND EXHAUST VENT FOR HEATERS
Allan W. Lundstrum, Carmel, Ind.
Application May 4, 1950, Serial No. 9,693
Term of patent 14 years
(Cl. D81—1)



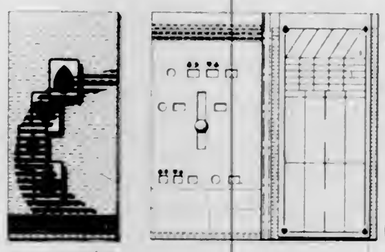
The ornamental design for a building mounted combination air intake and exhaust vent for heaters, as shown and described.

165,773
COMBINED BOTTLE AND BOTTLE CAP
Paul A. Marchant, Jackson County, Mo., assignor to Injection Molding Company, Kansas City, Mo., a corporation of Missouri
Application April 12, 1951, Serial No. 14,805
Term of patent 14 years
(Cl. D58—26)



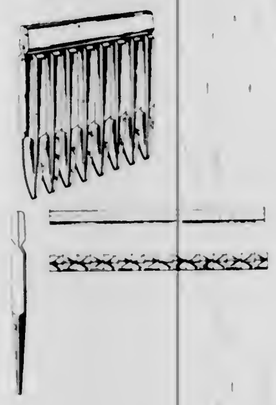
The ornamental design for a combined bottle and bottle cap, as shown and described.

165,774
BRIDGE TALLY
Vernon Martin, Paris, Ontario, Canada, assignor to The Walker Press Limited, Paris, Ontario, Canada, a company of Ontario
Application February 13, 1950, Serial No. 7,919
Term of patent 14 years
(Cl. D34—13)



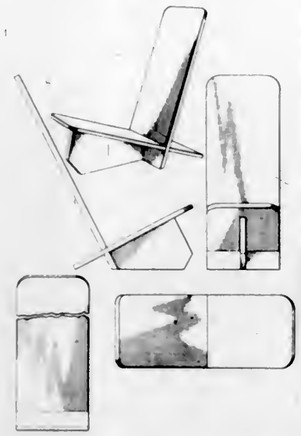
The ornamental design for a bridge tally, as shown and described.

165,775
DETACHABLE TOOTHPICK ASSEMBLY
Glen E. Millard, St. Paul, Minn., assignor to Lactona Incorporated, St. Paul, Minn., a corporation of Minnesota
Application August 13, 1949, Serial No. 4,490
Term of patent 14 years
(Cl. D86—1)



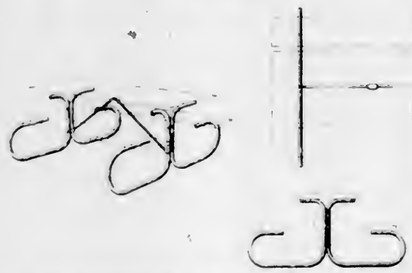
The ornamental design for a detachable toothpick assembly, as shown.

165,776
CHAIR
Robert M. Nelson, Lombard, Ill.
Application March 14, 1951, Serial No. 14,482
Term of patent 14 years
(Cl. D15—8)



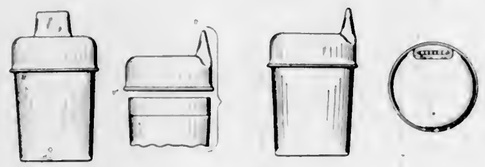
The ornamental design for a chair, as shown.

165,777
PICNIC TABLE
Glenn Offutt, Warren, and Warren Daum, Niles, Ohio
Application October 17, 1949, Serial No. 5,536
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a picnic table, substantially as shown and described.

165,778
SPILLPROOF GLASS
Edward F. Olsen, Hillman, Mich.
Application November 17, 1950, Serial No. 13,029
Term of patent 14 years
(Cl. D36—8)



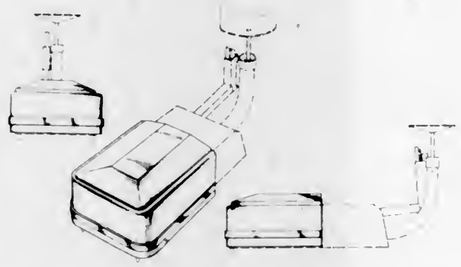
The ornamental design for a spillproof glass, substantially as shown and described.

165,779
ADJUSTABLE CLASP FOR NECKLACES OR THE LIKE
Michael Pagliuca, New York, N. Y., assignor to Alcore Novelty Company, New York, N. Y.
Application March 29, 1950, Serial No. 8,853
Term of patent 3½ years
(Cl. D45—4)



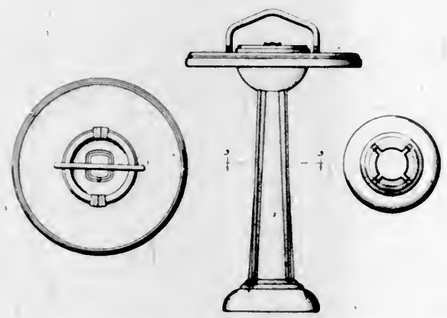
The ornamental design for an adjustable clasp for necklaces or the like, substantially as shown.

165,780
GAS BURNER
David L. Painter, Evanston, Ill., assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application April 7, 1951, Serial No. 14,752
Term of patent 14 years
(Cl. D81—1)



The ornamental design for a gas burner, as shown and described.

165,781
SMOKER'S STAND OR SIMILAR ARTICLE
William C. Panzer, Chicago, Ill.
Application January 31, 1951, Serial No. 14,052
Term of patent 14 years
(Cl. D85—2)



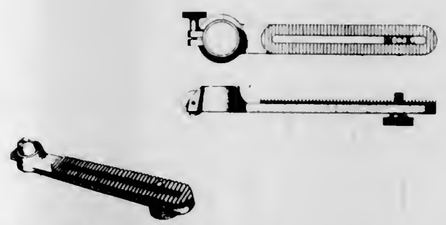
The ornamental design for a smoker's stand or similar article, substantially as shown and described.

165,782
CUP
Glidden McLellan Parker, Jr., Alfred, N. Y.
Application June 7, 1950, Serial No. 10,395
Term of patent 7 years
(Cl. D44—9)



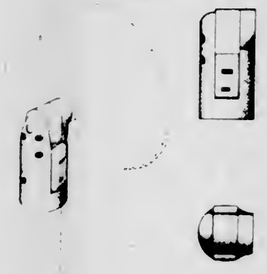
The ornamental design for a cup, as shown and described.

165,783
COMBINED FLASHGUN AND CAMERA MOUNT
Robert L. Pennock, Jr., Denver, and Raymond J. Breer, Littleton, Colo., assignors to Heiland Research Corporation, Denver, Colo., a corporation of Colorado
Application December 7, 1950, Serial No. 13,311
Term of patent 7 years
(Cl. D61—1)



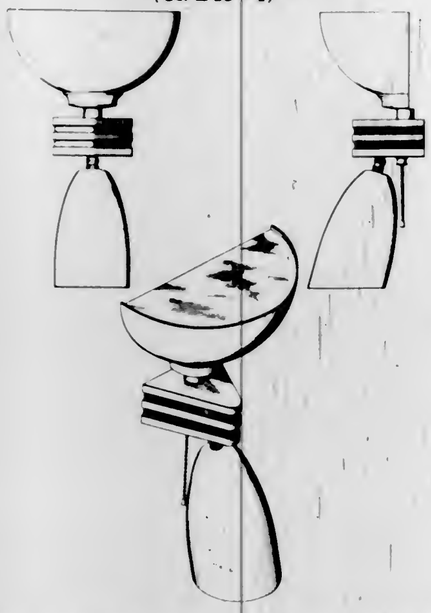
The ornamental design for a combined flashgun and camera mount, as shown and described.

165,784
FLASHGUN
Robert L. Pennock, Jr., Denver, and Raymond J. Breer, Littleton, Colo., assignors to Heiland Research Corporation, Denver, Colo., a corporation of Colorado
Application December 7, 1950, Serial No. 13,312
Term of patent 7 years
(Cl. D61—1)



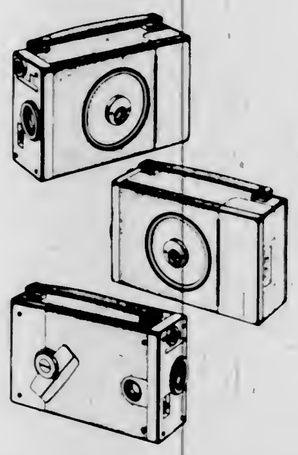
The ornamental design for a flashgun, as shown and described.

165,785
WALL LIGHTING FIXTURE
William H. Pollard, Jr., Oakland, Calif.
Application June 1, 1951, Serial No. 15,377
Term of patent 7 years
(Cl. D48—4)



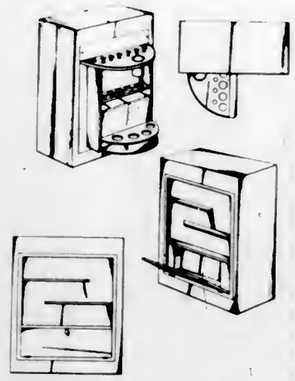
The ornamental design for a wall lighting fixture, substantially as shown.

165,786
PHOTOGRAPHIC CAMERA CASE
Jean O. Reinecke, Oak Park, Ill., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application May 5, 1951, Serial No. 15,081
Term of patent 14 years
(Cl. D61—1)



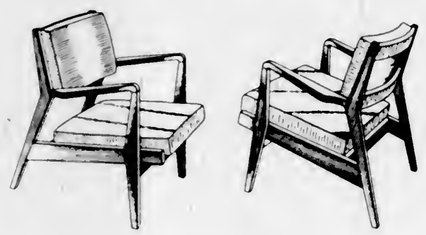
The ornamental design for a photographic camera case, as shown.

165,787
BAR CABINET
Michele Renna, Los Angeles, Calif.
Application March 31, 1951, Serial No. 14,680
Term of patent 14 years
(Cl. D33—19)



The ornamental design for a bar cabinet, as shown.

165,788
ARMCHAIR
Jens Risom, New Canaan, Conn., assignor to Jens Risom Design Inc., New York, N. Y.
Application May 13, 1950, Serial No. 9,921
Term of patent 14 years
(Cl. D15—1)



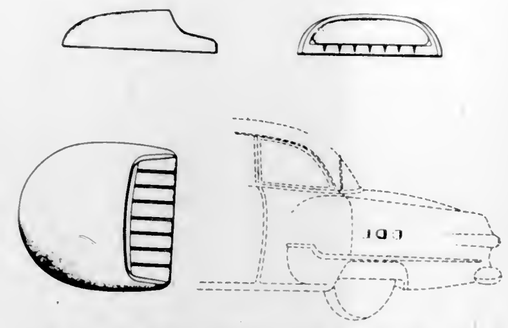
The ornamental design for an armchair, substantially as shown.

165,789
MUSICAL HAIRBRUSH OR SIMILAR ARTICLE
Celia Robbins, New York, N. Y.
Application November 25, 1950, Serial No. 13,127
Term of patent 7 years
(Cl. D56—1)



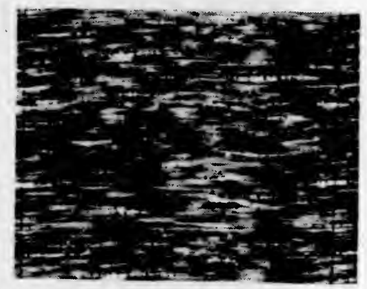
The ornamental design for a musical hair brush or similar article, as shown and described.

165,790
VEHICLE TRIM LOUVER OR SIMILAR ARTICLE
William E. Robinson, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 26, 1951, Serial No. 14,616
Term of patent 7 years
(Cl. D14—6)



The ornamental design for a vehicle trim louver or similar article, substantially as shown and described.

165,791
FABRIC
Henry Rose, New York, N. Y.
Application December 12, 1950, Serial No. 13,387
Term of patent 7 years
(Cl. D92—1)





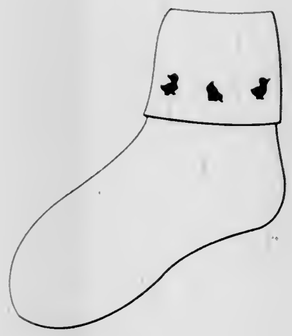
The ornamental design for a fabric, substantially as shown and described.

165,792
SOCK OR SIMILAR ARTICLE
Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application June 5, 1950, Serial No. 10,351
Term of patent 3½ years
(Cl. D47—7)



The ornamental design for a sock or similar article, as shown and described.

165,793
SOCK OR SIMILAR ARTICLE
Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application June 5, 1950, Serial No. 10,352
Term of patent 3½ years
(Cl. D47—7)



The ornamental design for a sock or similar article, as shown and described.

165,794
SOCK OR SIMILAR ARTICLE
Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application June 5, 1950, Serial No. 10,357
Term of patent 3½ years
(Cl. D47—7)



The ornamental design for a sock or similar article, as shown and described.

165,795
SOCK OR SIMILAR ARTICLE
Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application June 5, 1950, Serial No. 10,358
Term of patent 3½ years
(Cl. D47—7)



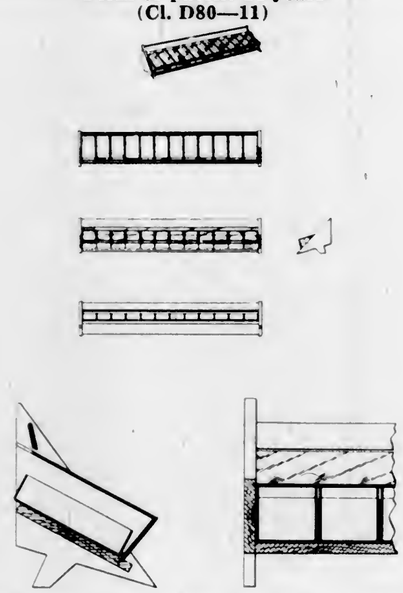
The ornamental design for a sock or similar article, as shown and described.

165,796
SOCK OR SIMILAR ARTICLE
Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application June 5, 1950, Serial No. 10,359
Term of patent 3½ years
(Cl. D47—7)



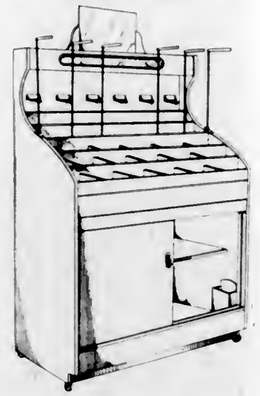
The ornamental design for a sock or similar article, as shown and described.

165,797
MERCHANDISE DISPLAY CASE
Maurice L. Shanahan, Los Angeles, Calif.
Application September 10, 1951, Serial No. 16,587
Term of patent 14 years
(Cl. D80—11)



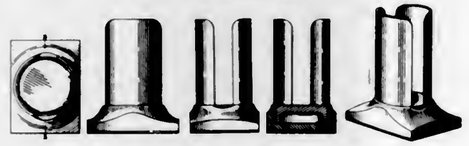
The ornamental design for a merchandise display case, as shown.

165,798
DISPLAY CABINET OR SIMILAR ARTICLE
Abe Shilin, New York, N. Y., and Harry Denworth, Mount Holly, N. J., assignors to Holly Mills, Inc., a corporation of New Jersey
Application September 15, 1950, Serial No. 12,202
Term of patent 14 years
(Cl. D80—11)



The ornamental design for a display cabinet or similar article, as shown.

165,799
POKER CHIP RACK
Clarence H. Stedman, Decatur, Ill.
Application December 5, 1950, Serial No. 13,269
Term of patent 7 years
(Cl. D34—13)



The ornamental design for a poker chip rack, as shown.

165,800
STOCKING
George C. Tait, Shillington, Pa.
Application December 12, 1950, Serial No. 13,384
Term of patent 14 years
(Cl. D47—7)



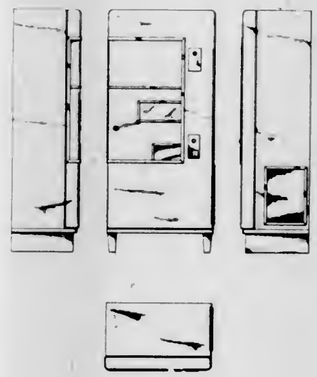
The ornamental design for a stocking, as shown.

165,801
STOCKING
George C. Tait, Shillington, Pa.
Application December 12, 1950, Serial No. 13,385
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

165,802
VENDING MACHINE
Otto W. Timm, Van Nuys, and Harry R. Greene, Pasadena, Calif., assignors to Timm Industries, Inc., Los Angeles, Calif., a corporation of California
Application July 20, 1951, Serial No. 15,965
Term of patent 14 years
(Cl. D52—3)



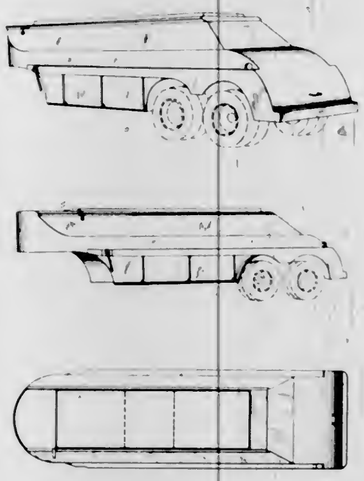
The ornamental design for a vending machine, substantially as shown.

165,803
BRASSIÈRE SLIP
Jess Train, New York, N. Y., assignor to Tranel, Inc., New York, N. Y., a corporation of New York
Application September 12, 1951, Serial No. 16,610
Term of patent 3½ years
(Cl. D3—26)



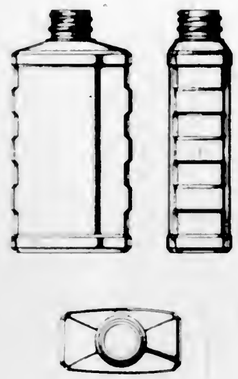
The ornamental design for a brassière slip, substantially as shown.

165,804
DUMP TRAILER
Herbert H. Turner, Boscobel, Wis.
Application April 7, 1949, Serial No. 1,849
Term of patent 14 years
(Cl. D14—3)



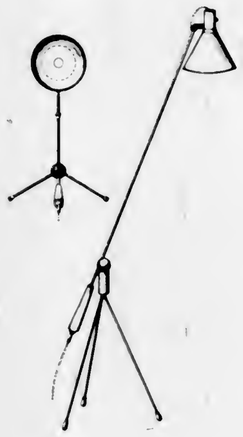
The ornamental design for a dump trailer, as shown and described.

165,805
BOTTLE
Frank L. Twitty, Bronxville, N. Y.
Application December 15, 1949, Serial No. 6,642
Term of patent 14 years
(Cl. D58—6)



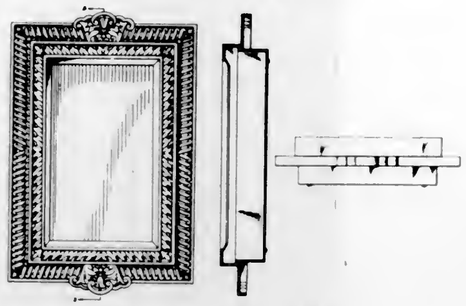
The ornamental design for a bottle, substantially as shown.

165,806
LAMP
Gilbert A. Watrous, Chicago, Ill.
Application March 31, 1951, Serial No. 14,681
Term of patent 14 years
(Cl. D48—20)



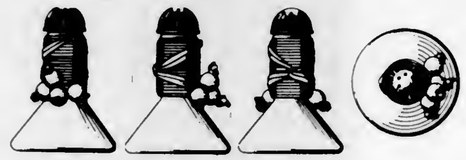
The ornamental design for a lamp, as shown and described.

165,807
JEWELRY BOX
Milton Weill, New York, N. Y., assignor to Arrow Manufacturing Company, Incorporated, West New York, N. J., a corporation of New Jersey
Application May 17, 1951, Serial No. 15,224
Term of patent 3½ years
(Cl. D80—5)



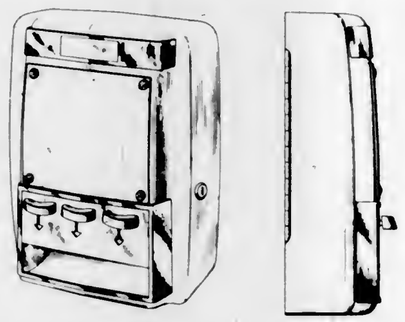
The ornamental design for a jewelry box, as shown.

165,808
CONDIMENT SHAKER
Max A. Weisbrot, Chicago, Ill.
Application June 26, 1950, Serial No. 10,758
Term of patent 14 years
(Cl. D44—22)



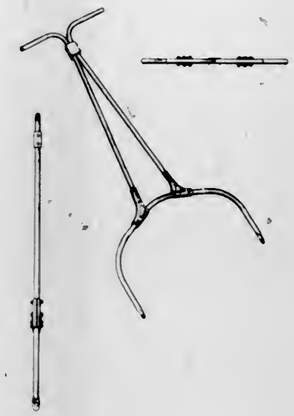
The ornamental design for a condiment shaker, substantially as shown.

165,809
GUM-VENDING MACHINE
David B. Wheeler, Independence, Mo., assignor to The Vendo Company, Kansas City, Mo., a corporation of Missouri
Application October 15, 1951, Serial No. 16,937
Term of patent 14 years
(Cl. D52—3)



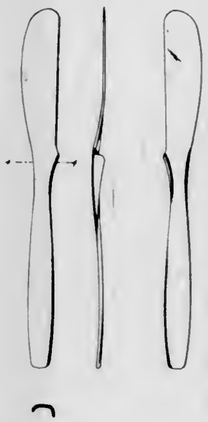
The ornamental design for a gum vending machine, as shown.

165,810
MOWER HANDLE
Ellsworth D. Wilkin, Ottumwa, Iowa, assignor to Johnston Lawn Mower Corporation, Ottumwa, Iowa, a corporation of Iowa
Application August 26, 1950, Serial No. 11,954
Term of patent 14 years
(Cl. D40—1)



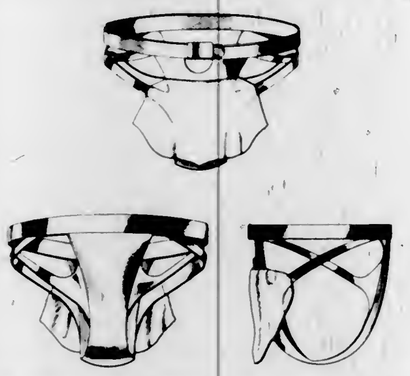
The ornamental design for a mower handle, substantially as shown.

165,811
KNIFE
Russel Wright, New York, N. Y.
Application October 25, 1950, Serial No. 12,714
Term of patent 14 years
(Cl. D44—29)



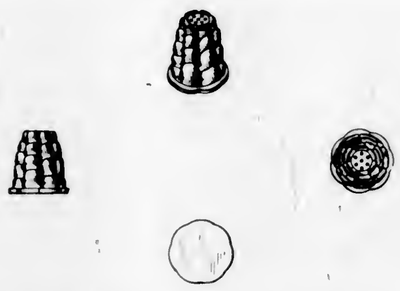
The ornamental design for a knife, as shown.

165,812
SWIMMING TRUNKS
Alfred O. Wupperman, Fort Worth, Tex.
Application January 15, 1951, Serial No. 13,803
Term of patent 14 years
(Cl. D3—17)



The ornamental design for swimming trunks, as shown.

165,813
CONDIMENT DISPENSER
William H. Youngerman, Chicago, Ill., assignor to Merchants Sales Corp., Chicago, Ill., a corporation of Illinois
Application January 13, 1951, Serial No. 13,784
Term of patent 3½ years
(Cl. D44—22)



The ornamental design for a condiment dispenser, substantially as shown.

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UNITED STATES PATENT OFFICE

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February 5, 1952 Volume 655 Number 1

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Aircraft-Marine Products Inc., Harrisburg, Pa. Hand tools and pneumatically and hydraulically operated portable tools, etc. Serial No. 616,197, Feb. 5. Class 23.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dielectric heating units. Serial No. 611,391, Feb. 5. Class 21.

Aluminum Goods Manufacturing Company, Manitowoc, Wis. Electric percolators. Serial No. 612,723, Feb. 5. Class 21.

American Cyanamid Company, New York, N. Y. Thread and yarn. Serial No. 616,071, Feb. 5. Class 43.

American Cyanamid Company, New York, N. Y. Thread and yarn. Serial No. 616,074, Feb. 5. Class 43.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Electrical wires and cables. Serial No. 612,108, Feb. 5. Class 21.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Electrical transmission lines. Serial No. 612,577, Feb. 5. Class 21.

Anderson, Milton, Co., Atlantic City, N. J. Canned fruits, canned vegetables, canned fish, etc. Serial No. 607,974, Feb. 5. Class 46.

Autogas Company, Chicago, Ill. Gas operated incinerators. Serial No. 589,552, Feb. 5. Class 34.

Answer Man, The, New York, N. Y. General advertising services. Serial No. 540,693, Feb. 5. Class 101.

Ayres and Roberts, doing business under the fictitious name and style of Quality Frozen Co., San Francisco, Calif. Frozen green peas. Serial No. 616,538, Feb. 5. Class 46.

Bachelors of Music, The, Chicago, Ill. Musical entertainment. Serial No. 598,122, Feb. 5. Class 107.

Bailey Meter Company, Cleveland, Ohio. Cellular filtering material. Serial No. 605,543, Feb. 5. Class 31.

Barnstead Still and Sterilizer Co., Boston, Mass. Laboratory sterilizers and autoclaves. Serial No. 614,035, Feb. 5. Class 44.

Barron, Anderson Company, Boston, Mass. Men's topcoats and overcoats. Serial No. 610,667, Feb. 5. Class 39.

Bartmann & Bixer, Inc., New York, N. Y. Window curtains. Serial Nos. 614,533–4, Feb. 5. Class 42.

Batlin, L., & Son, Inc., New York, N. Y. Pinking shears, scissors, cutlery knives, etc. Serial No. 611,633, Feb. 5. Class 23.

Belk Brothers Company, The, Charlotte, N. C. Men's suits, top coats, leather and cotton jackets, etc. Serial No. 613,952, Feb. 5. Class 39.

Bernat, Emile, & Sons Company, Jamaica Plain, Mass. Knitting yarn. Serial No. 613,495, Feb. 5. Class 43.

Best Food Products Company, Milwaukee, Wis. Potato salad dressing. Serial No. 593,707, Feb. 5. Class 46.

Bigelow-Sanford Carpet Company, Inc. (1951), assignee: *See*—
Bigelow-Sanford Carpet Company, Inc.

Bigelow-Sanford Carpet Company, Inc., doing business under the name and style Universal Rugs and Carpets, Thompsonville, Conn., assignor to Bigelow-Sanford Carpet Company, Inc. (1951), New York, N. Y. Textile rugs. Serial Nos. 613,968–9, Feb. 5. Class 42.

Bishop & Babcock Manufacturing Company, The, Cleveland, Ohio. Heating, ventilating, and air conditioning fans and blowers, and air washers. Serial No. 592,801, Feb. 5. Class 34.

Blackhawk Mfg. Co., Milwaukee, Wis. Hydraulic equipment. Serial No. 538,864, Feb. 5. Class 23.

Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Spark plug cleaner and tester. Serial No. 573,526, Feb. 5. Class 26.

Brantford Industries Limited, Brantford, Ontario, Canada. Floor polishing wax. Serial No. 603,338, Feb. 5. Class 4.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Ultra-violet ray germicidal lamp. Serial No. 613,114, Feb. 5. Class 21.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. Serial No. 618,480, Feb. 5. Class 42.

Burney & Felder, San Antonio, Tex. Masonry material. Serial Nos. 609,070–1, Feb. 5. Class 12.

Canadian International Paper Company, Montreal, Quebec, Canada. Paper products. Serial No. 576,444, Feb 5. Class 37.

Carew & Powers Co.: *See*—
Powers, Harold W.

Cincinnati Milling Machine Co., The, Cincinnati, Ohio. Machine for the heat-treating of metal parts. Serial No. 574,210, Feb. 5. Class 34.

Colorado Milling & Elevator Co., The, Denver, Colo., and elsewhere, doing business as The Wilson Flour Mills, Wilson, Kans. Wheat flour. Serial No. 553,771, Feb. 5. Class 46.

Colorversion Co., Chicago, Ill. Eyeglasses. Serial No. 615,971, Feb. 5. Class 26.

Columbia River Packers Association, Inc., Astoria, Oreg. Canned salmon. Serial No. 608,785, Feb. 5. Class 46.

Consolidated Orange Growers, Orange, Calif. Fresh citrus fruits. Serial No. 571,515, Feb. 5. Class 46.

Core, John C., Jr., Huntington, W. Va. Cocoa base powder. Serial No. 611,764, Feb. 5. Class 46.

Cornell-Dubilier Electric Corp., South Plainfield, N. J. Electrical condensers. Serial No. 611,689, Feb. 5. Class 21.

Cussins and Fearn Company, The, Columbus, Ohio. Carpenters' and mechanics' tools. Serial No. 551,776, Feb. 5. Class 23.

Davis Plywood Corporation, The, Cleveland, Ohio. Laminated and veneered plywood. Serial No. 600,240, Feb. 5. Class 12.

Delkote, Inc., Wilmington, Del. Quick-drying coatings. Serial No. 611,344, Feb. 5. Class 16.

Diameter, Inc., Brooklyn, N. Y. Periodical. Serial No. 612,793, Feb. 5. Class 38.

Drew, E. F., & Co., Inc., New York, N. Y. Margarine. Serial No. 597,672, Feb. 5. Class 46.

Encore Inc., Los Angeles and Hollywood, Calif. Cameras. Serial No. 615,976, Feb. 5. Class 26.

Etiwanda Citrus Fruit Association, Etiwanda, Calif. Fresh citrus fruits. Serial No. 571,126, Feb. 5. Class 46.

Fairfax Bread Company: *See*—
Safeway Stores, Incorporated.

Federal Loose Leaf Corp., New York, N. Y. Loose leaf binders. Serial No. 603,880, Feb. 5. Class 37.

Finney Company, The, assignee: *See*—
Finney Corporation.

Finney Corporation, assignor to The Finney Company, Cleveland, Ohio. Television, broadcasting and receiving antennas and parts therefor. Serial No. 613,125, Feb. 5. Class 21.

Firmenich & Co., Geneva, Switzerland. Flavoring extracts. Serial No. 550,799, Feb. 5. Class 46.

Florida Coffee Company, Miami, Fla. Coffee. Serial No. 612,735, Feb. 5. Class 46.

Flour Mills of America, Inc., doing business as Valier & Spies Milling Company, Kansas City and St. Louis, Mo. Wheat flour. Serial No. 553,593, Feb. 5. Class 46.

Formfit Company, The, Chicago, Ill. Bust pads, shoulder pads, shoulder straps, etc. Serial No. 615,449, Feb. 5. Class 40.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial Nos. 613,442–7, Feb. 5. Class 42.

Francis-Louise Full Fashion Mills, Inc., Valdese, N. C. Women's hosiery. Serial No. 614,201, Feb. 5. Class 39.

Fuller, D. H., & Co., Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 614,047, Feb. 5. Class 42.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Monosodium glutamate used to intensify the flavor of foods. Serial No. 614,085, Feb. 5. Class 46.

Georges-George De Met & Bros., Inc. Chicago, Ill. Candy. Serial No. 617,397, Feb. 5. Class 46.

Glen Raven Cotton Mills, Inc., Glen Raven, N. C. Awning fabrics. Serial No. 613,063, Feb. 5. Class 42.

Globe-Union Inc., Milwaukee, Wis. Electronic inter-stage audio coupling units. Serial No. 614,141, Feb. 5. Class 21.

Goodman, H., & Sons, Inc., Jersey City, N. J., and New York, N. Y. Barrettes and hair combs. Serial No. 614,659, Feb. 5. Class 40.

Gordon Sanitary Systems Corporation, Chicago, Ill. Sewage disposal systems and parts thereof. Serial Nos. 575,209–10, Feb. 5. Class 13.

Grainger, W. W., Inc., Chicago, Ill. Compressors for lubrication, tire inflation, paint spraying and dusting jobs. Serial No. 608,758, Feb. 5. Class 23.

Graves Brothers Company, Wabasso, Fla. Fresh citrus fruits. Serial No. 614,769, Feb. 5. Class 46.

Gray Company, Inc., Minneapolis, Minn. Portable air-powered pumps. Serial No. 583,197, Feb. 5. Class 23.

Hadley, Charles R., Company, Los Angeles, Calif. Partially printed forms. Serial No. 601,724, Feb. 5. Class 37.

Haloid Company, The, Rochester, N. Y. Leasing of copying machines and equipment. Serial No. 610,557, Feb. 5. Class 101.

Harco Laboratories: *See*—
Harris, George J.

Harris, George J., doing business as Harco Laboratories, Stamford, Conn. Covers or caps of rubber or other insulating material for terminals of electric appliances. Serial No. 613,070, Feb. 5. Class 21.

Harris, Kent, doing business under the name Travelworld, Los Angeles, Calif. Travel services. Serial No. 563,550, Feb. 5. Class 105.

Hawley Products Company, St. Charles, Ill. Electrical apparatus. Serial No. 582,426, Feb. 5. Class 21.
Herrero Hermanos S. A., La Coruna, Spain. Canned, pickled, and salted fish. Serial No. 566,586, Feb. 5. Class 46.
Hill, A. B., Company, The, Memphis, Tenn. Chemical wetting agent. Serial No. 616,032, Feb. 5. Class 6.
Innis, Speiden & Co.: *See*—
International Minerals & Chemical Corporation.
International Minerals & Chemical Corporation, New York, N. Y., assignee of Innis, Speiden & Co. Tannic acid, insecticidal aerosols, bleaching powder, etc. Serial Nos. 600,834–5, Feb. 5. Class 6.
International Paper Company, New York, N. Y. Unbleached and bleached kraft papers and paper-boards. Serial No. 574,836, Feb. 5. Class 37.
J & L Steel Barrel Company, New York, N. Y. Shipping pails, garbage cans, and waste baskets. Serial No. 600,726, Feb. 5. Class 2.
Joyal and Van Dale Co., Pawtucket, R. I. Rayon shoelaces. Serial No. 614,989, Feb. 5. Class 40.
King Milling Company, Lowell, Mich. Plain and self-rising wheat flour. Serial No. 549,554, Feb. 5. Class 46.
Langendorf Clothes, Inc., Chicago, Ill. Military and industrial uniforms. Serial No. 613,818, Feb. 5. Class 39.
Laurel Soap Manufacturing Co., Inc., Philadelphia, Pa. Cresylic acid, red oil mixture. Serial No. 592,111, Feb. 5. Class 6.
Linen Guild, Inc., trading as Mead & Montague, New York, N. Y. Drapery and upholstery fabrics. Serial No. 612,809, Feb. 5. Class 42.
Livingston & Livingston, New York, N. Y. Ladies' and misses' shirt blouses. Serial No. 615,459, Feb. 5. Class 39.
Lorraine Lighting Products Co., Brooklyn, N. Y. Automatic feeder. Serial No. 600,385, Feb. 5. Class 50.
Manufacture de Caoutchouc Michelin, Clarmont-Ferrand (Puy-de-Dôme), France. Pneumatic tires and inner tubes for vehicles. Serial No. 606,619, Feb. 5. Class 35.
Massengill, S. E., Company, The, Bristol, Tenn. Ointment. Serial No. 587,887, Feb. 5. Class 18.
Mead & Montague: *See*
Linen Guild, Inc.
Mechanical Marine Co., Inc., New York, N. Y. Angle suction valves, suction bell mouths and suction strainers. Serial No. 610,086, Feb. 5. Class 13.
Mid-Continent Supply Co., Fort Worth, Tex. Oil and gas well equipment. Serial No. 598,861, Feb. 5. Class 23.
Millville Manufacturing Company, The, Philadelphia, Pa. Finished cotton fabrics. Serial No. 609,488, Feb. 5. Class 42.
Minneapolis, St. Paul & Sault Ste. Marie Railroad Company, Minneapolis, Minn. Railroad passenger and freight transportation service. Serial No. 601,271, Feb. 5. Class 105.
Moland & Son Manufacturing Co., Okeene, Okla. Cooked and seasoned fish product. Serial No. 605,171, Feb. 5. Class 46.
Moloney Electric Company, St. Louis, Mo. Oil for use in electrical apparatus. Serial No. 612,409, Feb. 5. Class 21.
Munsingwear, Inc., Minneapolis, Minn. Men's knitted underwear. Serial No. 614,565, Feb. 5. Class 39.
Murray Hill Restaurant, Inc., New York, N. Y. Men's and boys' neckties, women's and girls' scarves, men's and boys' belts, etc. Serial No. 611,188, Feb. 5. Class 39.
Murray Ohio Manufacturing Company, The, Cleveland, Ohio. Baby walkers. Serial No. 604,019, Feb. 5. Class 22.
National Automotive Fibres, Inc., Oakland, Calif. Textile carpeting. Serial No. 598,492, Feb. 5. Class 42.
National Cylinder Gas Company, Chicago, Ill. Electrode carrying cases. Serial No. 566,998, Feb. 5. Class 2.
Nedick's, Inc., New York, N. Y. Doughnuts. Serial No. 598,923, Feb. 5. Class 46.
Norgren, C. A., Co., Denver, Colo. Fluid and gas conducting hose. Serial No. 617,050, Feb. 5. Class 35.
Ohmite Manufacturing Company, Chicago, Ill. Electrical circuit control elements. Serial No. 602,284, Feb. 5. Class 21.
Palmer Wellock Tool Corporation, Meadville, Pa. Tools. Serial No. 613,343, Feb. 5. Class 23.
Pearce, Zeb, & Sons, Mesa, Ariz. Poultry and stock feeds. Serial No. 596,638, Feb. 5. Class 46.
Pollak, Henry, Inc., New York, N. Y. Hat braids. Serial No. 614,512, Feb. 5. Class 40.
Portland Woolen Mills, Inc., doing business as "Wool O' The West," Portland, Oreg. Laprobes. Serial No. 562,665, Feb. 5. Class 42.
Powers, Harold W., doing business as Carew & Powers Co., Boston, Mass. Candies. Serial No. 563,215, Feb. 5. Class 46.
Progress Lithographing Co., The, Reading, Ohio. Writing paper and correspondence envelopes. Serial No. 603,941, Feb. 5. Class 37.
Quality Frozen Co.: *See*—
Ayres and Roberts.
Rego Hosiery Co., New York, N. Y. Women's hosiery. Serial No. 614,315, Feb. 5. Class 39.
Rendezvous Restaurant, The, Monroe, La. Balkan salad dressing. Serial No. 617,511, Feb. 5. Class 46.
Richards, Willard R., Warren, Ohio. Shuttlecocks. Serial No. 602,913, Feb. 5. Class 22.
Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif., also doing business as Fairfax Bread Company, Washington, D. C., and various other places. Bakery goods. Serial No. 578,169, Feb. 5. Class 46.
Samica-Société des Applications du Mica, Paris, France. Electrical insulating material. Serial No. 612,181, Feb. 5. Class 21.
Schneider, C. J., Manufacturing Company: *See*—
Schneider, Cale J.
Schneider, Cale J., doing business as C. J. Schneider Manufacturing Company, Toledo, Ohio. Sweet corn holders. Serial No. 610,994, Feb. 5. Class 23.
Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. Serial No. 613,785, Feb. 5. Class 39.
Sealy, Incorporated, Chicago, Ill. Insulator pads and protector pads used in construction of mattresses and box springs. Serial No. 571,748, Feb. 5. Class 32.
Selected Risks Indemnity Company, Branchville, N. J. Services namely, the underwriting of casualty, fire, etc., insurance. Serial No. 569,481, Feb. 5. Class 102.
Silent Maid Co., Hollywood, Calif. Electric garbage disposal units. Serial No. 612,565, Feb. 5. Class 21.
Smith, Alexander, Incorporated: *See*—
Smith, Alexander, & Sons Carpet Company.
Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y., now by change of name Alexander Smith, Incorporated. Processing fibers. Serial No. 611,154, Feb. 5. Class 106.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. Serial No. 616,976, Feb. 5. Class 2.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. Serial No. 616,982, Feb. 5. Class 2.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. Serial No. 616,985, Feb. 5. Class 2.
Standard Toykraft Products, Inc., Brooklyn, N. Y. Toy crayon, embroidery and paint sets. Serial No. 611,153, Feb. 5. Class 22.
Stein, Hall & Company, Inc., New York, N. Y. Corn starch. Serial No. 575,098, Feb. 5. Class 46.
Struve, Roland J., Bell Gardens, Calif. Scoring or imprinting a wet concrete or plaster surface with lines, etc. Serial No. 589,602, Feb. 5. Class 106.
Sun Rubber Company, The, Barberton, Ohio. Athletic balls or carcasses therefor. Serial No. 597,238, Feb. 5. Class 22.
Sutton Shirt Corp., New York, N. Y. Men's dress and sport shirts. Serial No. 598,224, Feb. 5. Class 39.
Thorens Company, New Hyde Park, N. Y. Pyrophoric cigar lighters. Serial No. 570,134, Feb. 5. Class 8.
Travelworld: *See*—
Harris, Kent.
Union Bottling Company, Memphis, Tenn. Non-alcoholic maltless carbonated beverages. Serial No. 566,899, Feb. 5. Class 45.
Universal Oil Products Company, Chicago, Ill. Chemicals and chemical compositions. Serial No. 611,983, Feb. 5. Class 6.
Universal Rugs and Carpets: *See*—
Bigelow-Sanford Carpet Company, Inc.
Universal Wire Spring Company, The, Bedford, Ohio. Wire springs for upholstered automobile seats. Serial No. 616,213, Feb. 5. Class 19.
V-M Corporation, Benton Harbor, Mich. Electric phonographs. Serial No. 617,423, Feb. 5. Class 21.
Valier & Spies Milling Company: *See*—
Flour Mills of America, Inc.
Video Products Corporation, Red Bank, N. J. Television receivers, combination radio and television sets, and television receiving systems. Serial No. 563,801, Feb. 5. Class 21.
Virginia-Carolina Chemical Corporation, Richmond, Va. Quaternary ammonium tablets. Serial No. 617,002, Feb. 5. Class 6.
Vitramon Incorporated, Easton and Stepney, Conn. Capacitors. Serial No. 609,520, Feb. 5. Class 21.
Walton, Izaak, League of America, Inc., Chicago, Ill. Magazine publication. Serial No. 608,389, Feb. 5. Class 38.
Wayne Pump Company, The, Fort Wayne, Ind. Mechanical hose reels. Serial No. 619,125, Feb. 5. Class 23.
Western Corral Industries, Chicago, Ill. Toy holsters and toy holster sets. Serial No. 597,031, Feb. 5. Class 22.
Western Stamp & Stencil Co., Omaha, Nebr. Rubber stamps. Serial No. 591,706, Feb. 5. Class 23.
Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Trays, and fibrous dust collecting bags. Serial No. 606,098, Feb. 5. Class 2.
Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Electrical insulation. Serial No. 615,199, Feb. 5. Class 21.

West Point Lawn Products, West Point, Pa. Turf-retaining member for the soil penetrating elements of a cultivating apparatus. Serial No. 592,588, Feb. 5. Class 23.
White Tower Management Corporation, Stamford, Conn. Serving and dispensing food and beverages in restaurants. Serial No. 605,186, Feb. 5. Class 100.
Willow Fabrics, Incorporated, New York, N. Y. Rayon fabrics. Serial No. 611,988, Feb. 5. Class 42.
Wilson Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.
"Wool O' The West": *See*—
Portland Woolen Mills, Inc.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Precipitated calcium carbonate. Serial No. 604,245, Feb. 5. Class 6.
Zendman, I., Inc., New York, N. Y. Lace fabrics in the piece. Serial No. 614,327, Feb. 5. Class 42.

LIST OF REGISTRANTS OF TRADE-MARKS

Acclaim Hosiery Mills, Inc., High Point, N. C. Ladies' hosiery. 554,434, Feb. 5; Serial No. 607,613, published Oct. 23, 1951. Class 39.
Ace Paint Products Co., by Simon B. Green, Chicago, Ill. Ready mixed paints and varnishes. 364,678, Feb. 14, 1939. Republished Feb. 5. Class 16.
Adam Hat Stores, Inc., New York, N. Y. Men's hats. 288,674, renewed Nov. 3, 1951. O. G. Feb. 5. Class 39.
Adams-Millis Corporation: *See*—
Textile Mills Corporation, The.
Admiral Corporation, Chicago, Ill. Built-in antennas. 554,399, Feb. 5; Serial No. 586,262, published July 3, 1951. Class 21.
Aeroglide Corporation, Raleigh, N. C. Electric air sterilizing machine. 554,353, Feb. 5; Serial No. 574,605, published June 27, 1950. Class 21.
Aktiebolaget Hässle, Apotekare Paul Nordströms Fabriker, Hasslehölm, Sweden. Cosmetic preparations and toilet preparations. 554,412, Feb. 5; Serial No. 602,078, published Oct. 23, 1951. Class 51.
Aktiebolaget Kanthal, Stockholm and Hallstahammar, Sweden, to Aktiebolaget Kanthal, Hallstahammar, Sweden. Heat resistant iron and steel alloys. 288,571, renewed Nov. 3, 1951. O. G. Feb. 5. Class 14.
Algemeene Kunstzijde Unie N. V., Arnhem, Netherlands. Yarns and threads. 554,404, Feb. 5; Serial No. 587,923, published Nov. 6, 1951. Class 43.
Algemeene Kunstzijde Unie N. V., Arnhem, Netherlands. Synthetic yarns and threads. 554,406, Feb. 5; Serial No. 588,837, published Nov. 6, 1951. Class 43.
Alper Blouse Co. Inc., Philadelphia, Pa. Women's and misses' blouses. 554,460–2, Feb. 5; Serial Nos. 610,947–9, published Nov. 6, 1951. Class 39.
American Fluresit Company, The, Cincinnati, Ohio. Mined raw material classified as quartz sand. 280,435, Feb. 17, 1931. Corrected. O. G. Feb 5 Class 1.
American Hospital Association, Chicago, Ill. Distribution of hospital care on a prepayment financing basis. 554,488, Feb. 5; Serial No. 536,214, published Feb. 21, 1950. Class 102.
American Hospital Association, Chicago, Ill. Distribution of hospital care on a prepayment financing basis. 554,492, Feb. 5; Serial No. 549,601, published Feb. 21, 1950. Class 102.
American Seating Company, Grand Rapids, Mich. Classroom desks and tables. 554,482, Feb. 5; Serial No. 609,711, published Nov. 13, 1951. Class 32.
American Turpentine & Tar Company, Ltd., New Orleans, La. Fly repellent and soothing wound dressing. 292,497, renewed Mar. 15, 1952. O. G. Feb. 5. Class 18.
American Woolen Company, New York, N. Y., and Boston, Mass., to American Woolen Company, New York, N. Y. Woolen piece goods. 293,155, renewed Apr. 12, 1952. O. G. Feb. 5. Class 42.
Amerpro Machine Products, Inc., Brooklyn and New York, N. Y. Custom molding of plastics. 554,491, Feb. 5; Serial No. 549,207, published Nov. 13, 1951. Class 106.
Aqua Electric Scale Control Incorporated, Cleveland, Ohio. Water or liquid conditioners employing electric current. 554,505, Feb. 5; Serial No. 585,822. Class 21.
Armstrong Daily Sports, Inc.: *See*—
Triumph Distributing Co. Inc.
Arnold Products, Inc., Opa-locka, Fla. Louver type windows and jalousies. 554,455, Feb. 5; Serial No. 610,400, published Oct. 9, 1951. Class 12.
Arrowhead Rubber Co., Vernon, Calif. Motor mountings, nonmetallic rollers, flex joints. 554,339, Feb. 5; Serial No. 565,221, published Oct. 23, 1951. Class 23.
Art-Cement Mfg. Co.: *See*—
Davis, Benjamin F.
Art-Cement Manufacturing Co.: *See*—
Davis, Benjamin F.
Artcrest Products Co. Inc., Chicago, Ill. Plastic tile. 554,457, Feb. 5; Serial No. 610,666, published Oct. 9, 1951. Class 12.
Askin Brothers Company, Inc., Baltimore, Md. Hosiery, sweaters, bathing suits, etc. 554,398, Feb. 5; Serial No. 584,309, published Oct. 23, 1951. Class 39.
Associated Brands, Inc.: *See*—
Vadsco Sales Corporation.
Avery, B. F., & Sons Company, Louisville, Ky., assignor to Minneapolis-Moline Company. Lime broadcasters, manure broadcasters, cultivators, etc. 554,416, Feb. 5; Serial No. 602,484, published Oct. 16, 1951. Class 23.
B & B Coffee Shop: *See*—
Losero, John.
B. M. C. Manufacturing Corp., Binghamton, N. Y. Wheels used for juvenile vehicles. 554,470, Feb. 5; Serial No. 613,698, published Nov. 13, 1951. Class 22.
Baker Castor Oil Company, The, Jersey City, N. J. Compositions comprising soluble soaps. 554,401, Feb. 5; Serial No. 586,564, published Nov. 13, 1951. Class 52.
Barnes Manufacturing Co., Mansfield, Ohio. Plumbers' brass goods. 554,463, Feb. 5; Serial No. 611,070, published Nov. 20, 1951. Class 13.
Barr, G., and Company, Chicago, Ill. Bleaching peroxide, nail polish remover, brilliantine, etc. 554,377, Feb. 5; Serial No. 595,934, published Oct. 30, 1951. Class 51.
Baur, O. P., Confectionery Company, The, Denver, Colo. Hard candies. 554,328, Feb. 5; Serial No. 550,891, published Oct. 23, 1951. Class 46.
Bell & Gossett Company, Morton Grove, Ill. Flow control valves, pipe fittings, dual unit valves, etc. 554,429, Feb. 5; Serial No. 606,203, published Nov. 20, 1951. Class 13.
Bendix Aviation Corportion, Detroit, Mich. Aircraft cockpit radio control panels. 554,354, Feb. 5; Serial No. 574,814, published Nov. 13, 1951. Class 21.
Berkshire Knitting Mills, Wyomissing, Pa. Women's hosiery. 554,378, Feb. 5; Serial No. 596,554, published Oct. 23, 1951. Class 39.
Bird & Son, Inc., East Walpole, Mass. Flexible mineral-surfaced asphalt-saturated felt siding. 292,624, renewed Mar. 22, 1952. O. G. Feb. 5. Class 12.
Bird, Virgil W., doing business as Stimulene Mfg. Co., Gallatin, Tenn. Chemical preparation. 554,345, Feb. 5; Serial No. 568,778, published Oct. 9, 1951. Class 18.
Blaine-Roper Co., Ivanhoe, Calif. Fresh grapes. 554,390, Feb. 5; Serial No. 600,161, published Nov. 13, 1951. Class 46.
Blake, Moffitt & Towne, San Francisco, Calif. Mimeograph paper. 292,461, renewed Mar. 15, 1952. O. G. Feb. 5. Class 37.
Blanchard Electric Mfg. Co., Chicago, Ill., now by change of name Sealine Manufacturing Corp. Electrically heated sealing tools. 554,480, Feb. 5; Serial No. 609,530, published Oct. 30, 1951. Class 21.
Bobst Pharmacal Co., Inc.: *See*—
Warner, William R., & Co., Inc.
Bodie-Hoover Petroleum Corporation, Chicago, Ill. Lubricating oil. 554,317, Feb. 5; Serial No. 538,488, published Oct. 23, 1951. Class 15.
Boker, H., & Company, Inc., New York, N. Y. Scissors and shears. 554,425, Feb. 5; Serial No. 605,508, published Oct. 16, 1951. Class 23.
Bonded Foam Latex Company, Inc., Cleveland, Ohio. Portable foam rubber combination back and seat rest. 554,371, Feb. 5; Serial No. 592,695, published Nov. 13, 1951. Class 32.
Braski, Thomas E., Pontiac, Mich. Game. 554,383, Feb. 5; Serial No. 598,058, published Nov. 13, 1951. Class 22.
Brewer-Titchener Corporation, The, Cortland, N. Y. Tables and folding chairs and benches. 554,336, Feb. 5; Serial No. 563,721, published Nov. 13, 1951. Class 32.
Bristol Chemical Corporation, Long Island City, N. Y. Chemical composition, in vaporizable liquid form. 554,514, Feb. 5; Serial No. 606,070. Class 6.
Brown-Brockmeyer Company, The, Dayton, Ohio. Electrical motors. 554,362, Feb. 5; Serial No. 579,965, published Oct. 30, 1951. Class 21.
Buchman, L., Co. Incorporated, The, New York and Brooklyn, N. Y. Pillows. 554,376, Feb. 5; Serial No. 595,491, published Nov. 13, 1951. Class 32.
Bulova Watch Company, Inc., New York, N. Y. Wrist or strap watches. 290,379–80, renewed Jan. 5, 1952. O. G. Feb. 5. Class 27.
Bulova Watch Company, Inc., New York, N. Y. Wrist or strap watches. 290,534, renewed Jan. 5, 1952. O. G. Feb. 5. Class 27.
Bulova Watch Company, Inc., New York, N. Y. Watches and clocks. 290,932, renewed Jan. 19, 1952. O. G. Feb. 5. Class 27.
Bundy Tubing Company, Detroit, Mich. Metal tubing, shaped tube lengths, etc. 289,329, renewed Nov. 24, 1951. O. G. Feb. 5. Class 13.
Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Bath room cabinets. 554,329, Feb. 5; Serial No. 556,285, published Nov. 6, 1951. Class 32.
Carpenter & Co.: *See*—
White, Garrett R.
Carter Products, Inc.: *See*—
Holmes, T. J., Co., Inc.
Carter, Ralph B., Company, New York, N. Y. Pumps of all kinds and parts thereof, internal-combustion engines and parts thereof. 195,714, Mar. 3, 1925. Amended. O. G. Feb. 5. Class 23.

Cascio, Louis L., doing business as Clown Toy Manufacturing Company, Brooklyn, N. Y. Toys. 554,475, Feb. 5; Serial No. 616,081, published Nov. 13, 1951. Class 22.

Catalina Island Soap Co.: *See*—
Catalina Island Soap Corporation.

Catalina Island Soap Corporation, assignee of R. S. Willard, doing business as Catalina Island Soap Co., Los Angeles, Calif. Bar soap. 554,338, Feb. 5; Serial No. 564,236, published Nov. 13, 1951. Class 52.

Cerbini & Co., New York, N. Y. Medicinal preparation. 554,387–8, Feb. 5; Serial Nos. 599,695–6, published Oct. 23, 1951. Class 18.

Certain-teed Products Corporation, New York, N. Y., to Certain-teed Products Corporation, Ardmore, Pa. Protective siding. 292,422, renewed Mar. 15, 1952. O. G. Feb. 5. Class 12.

Certain-teed Products Corporation, New York, N. Y., to Certain-teed Products Corporation, Ardmore, Pa. Plaster of calcined gypsum for making casts and moulds for dental purposes. 292,473, renewed Mar. 15, 1952. O. G. Feb. 5. Class 44.

Cetra Foundations Inc., New York, N. Y., and Perth Amboy, N. J. Brassières and corsets. 554,459, Feb. 5; Serial No. 610,888, published Nov. 6, 1951. Class 39.

Chaffin Optical Co., Inc., Boston, Mass. Optical frames, mountings, and parts thereof, and lenses and blanks therefor. 554,509, Feb. 5; Serial No. 593,398. Class 26.

Champ Hats, Inc., Philadelphia, Pa. Hats and caps. 554,396, Feb. 5; Serial No. 582,817, published Oct. 24, 1950. Class 39.

Chemical Sundries Co., Chicago, Ill. Liquid bubble blowing compositions, plastic bubble blowing compositions, bubble blowing devices, etc. 554,476, Feb. 5; Serial No. 616,762, published Nov. 13, 1951. Class 22.

Chicago Mill and Lumber Company: *See*—
Chicago Mill and Lumber Corporation.

Chicago Mill and Lumber Corporation, by Chicago Mill and Lumber Company, Chicago, Ill. Rough and finished lumber. 287,381, Sept. 22, 1931. Republished Feb. 5. Class 12.

Christiansen, Jack: *See*—
Flying Chicken, The.

Clown Toy Manufacturing Company: *See*—
Cascio, Louis L.

Coast Fishing Co., Wilmington, Calif., to The Quaker Oats Company, Chicago, Ill. Dog and cat food. 288,208, renewed Oct. 20, 1951. O. G. Feb. 5. Class 46.

Colorcraft Dye-Finishing Works Inc.: *See*—
Crest Dye Works, Inc.

Colorcraft Dye-Finishing Works, Inc., New York, N. Y. Pre-boarding, boarding and dyeing hosiery. 554,520, Feb. 5; Serial No. 586,522. Class 106.

Combined Industries: *See*—
Gould, Sidney S.

Comet Rice Mills: *See*—
Seaboard Rice Milling Co.

Comics Novelty Candy Corp., New York, N. Y. Packages containing candy and a toy. 554,436, Feb. 5; Serial No. 608,104, published Nov. 13, 1951. Class 46.

Consolidated Cosmetics, Chicago, Ill. Dry cologne, face powder, lipstick, and hand lotion. 554,451, Feb. 5; Serial No. 610,164, published Oct. 30, 1951. Class 51.

Consolidated Cosmetics, Chicago, Ill. Toilet soap. 554,452, Feb. 5; Serial No. 610,165, published Nov. 13, 1951. Class 52.

Cotwool Manufacturing Corporation, The: *See*—
Farnsworth Company, The.

Courtney, Nicholas P., New York, N. Y. Device for opening cans or like receptacles. 312,713, May 8, 1934. Republished Feb. 5. Class 23.

Cowles Chemical Company: *See*—
Cowles Detergent Company, The.

Cowles Detergent Company, The, to Cowles Chemical Company, Cleveland, Ohio. Laundry blue. 291,129, renewed Jan. 26, 1952. O. G. Feb. 5. Class 6.

Crescent Insulated Wire & Cable Co., Trenton, N. J. Electrical cables and insulation. 554,474, Feb. 5; Serial No. 614,688, published Nov. 13, 1951. Class 21.

Crescent Tool Company, Jamestown, N. Y. Wrenches, pliers, nail pullers, etc. 554,467, Feb. 5; Serial No. 611,561, published Nov. 6, 1951. Class 23.

Crest Dye Works, Inc., New York, N. Y., now by change of name Colorcraft Dye-Finishing Works Inc. Dyeing hosiery. 554,519, Feb. 5; Serial No. 577,710. Class 106.

Dainty Maid, Inc.: *See*—
Mon Docteur Importing Co., Inc.

Dalby, Thomas, Company, to Thomas Dalby, Inc., Watertown, Mass. Children's underwear. 287,848, renewed Oct. 13, 1951. O. G. Feb. 5. Class 39.

Dalby, Thomas, Inc.: *See*—
Dalby, Thomas, Company.

Davies, William, Co., Inc., Chicago, Ill. Cooked hams and pork shoulder picnics. 554,324, Feb. 5; Serial No. 547,623, published Nov. 13, 1951. Class 46.

Davis, Benjamin F., doing business as Art-Cement Mfg. Co., by Art-Cement Manufacturing Co., Miami, Fla. Paints. 293,736, May 3, 1932. Republished Feb. 5. Class 16.

Davis Leather Company Limited, Newmarket, Ontario, Canada. Leather. 285,166, renewed July 14, 1951. O. G. Feb. 5. Class 1.

Dawe's Products Company, Chicago, Ill. Concentrated compound containing vitamins and antibiotics. 554,456, Feb. 5; Serial No. 610,417, published Oct. 16, 1951. Class 18.

Decca Record Company Limited, The, London, England. Mechanically grooved gramophone records. 554,332, Feb. 5; Serial No. 558,871, published Nov. 13, 1951. Class 36.

Decca Records, Inc., New York, N. Y. Mechanically grooved phonograph records. 554,315, Feb. 5; Serial No. 536,740, published Nov. 13, 1951. Class 36.

Deep Rock Refining Co.: *See*—
Yacenda, Thomas J.

Double Duty Products, Inc., by Products Packaging, Inc., Cleveland, Ohio. Closure caps for various containers. 395,555, June 2, 1942. Republished Feb. 5. Class 50.

Doughty Research and Development Corporation, assignor to The Miraculoy Corporation, New York, N. Y. Steel hardening compounds. 554,501, Feb. 5; Serial No. 578,680. Class 6.

Duet Hosiery Corp., assignor to Warren Knitting Mills, Inc., New York, N. Y. Hosiery. 554,405, Feb. 5; Serial No. 588,753, published Nov. 7, 1950. Class 39.

Dunhill, Alfred, of London, Inc., New York, N. Y. Compacts containing powder. 554,374, Feb. 5; Serial No. 594,634, published Oct. 30, 1951. Class 51.

Eagle Lock Company, The, Terryville, Conn. Packaged screw products. 554,517, Feb. 5; Serial No. 608,269. Class 13.

Eagle Pencil Company, New York, N. Y. Lead pencils, crayons, pencil leads, etc. 290,856, renewed Jan. 19, 1952. O. G. Feb. 5. Class 37.

Ecusta Paper Corporation, Pisgah Forest, N. C. Cigarette paper. 554,458, Feb. 5; Serial No. 610,675, published Nov. 6, 1951. Class 8.

Edelstein, Gus, Bro. & Co., New York, N. Y. Men's, women's, and children's hosiery and underwear. 264,756, Dec. 3, 1929. Amended. O. G. Feb. 5. Class 39.

Elastic Stop Nut Corporation of America, Union, N. J. Nuts, bolts, clips, etc. 554,340, Feb. 5; Serial No. 565,692, published Nov. 20, 1951. Class 13.

Electric Cord Company, New York, N. Y. Battery operated flood-lights and spot-lights, battery operated warning lights. 554,421, Feb. 5; Serial No. 604,147, published Nov. 13, 1951. Class 21.

Elliott, B. K., Company, Pittsburgh, Pa. Sensitized printing paper. 288,193, renewed Oct. 20, 1951. O. G. Feb. 5. Class 26.

Emerson Drug Company of Baltimore City, The: *See*—
Emerson, Isaac E.

Emerson, Isaac E., by The Emerson Drug Company of Baltimore City, Baltimore, Md. Granular effervescent salt for the cure of headache, nervousness, etc. 16,599, May 21, 1889. Republished Feb. 5. Class 18.

Empeco Merchandise Co., Inc., New York, N. Y. Wearing apparel for men and boys. 554,326, Feb. 5; Serial No. 550,131, published Apr. 25, 1950. Class 39.

Euclid Candy Company of California, Inc., San Francisco, Calif. Candy. 554,316, Feb. 5; Serial No. 537,302, published Nov. 6, 1951. Class 46.

Even-Pul Foundations, Inc., New York, N. Y. Brassières, girdles, corselets, and foundation garments. 554,375, Feb. 5; Serial No. 595,457, published Nov. 13, 1951. Class 39.

Ex-Lax, Inc.: *See*—
Ex-Lax Mfg. Co.

Ex-Lax Mfg. Co., New York, to Ex-Lax, Inc., Brooklyn, N. Y. Laxative preparation. 83,823, re-renewed Oct. 17, 1951. O. G. Feb. 5. Class 18.

Factors To You Furniture Corporation, Philadelphia, Pa. China closets, buffets, serving tables, etc. 554,350, Feb. 5; Serial No. 572,169, published Nov. 13, 1951. Class 32.

Farnsworth Company, The, Lisbon, Maine, to The Cotwool Manufacturing Corporation, Wilmington, Del. Woolen piece goods. 274,895, renewed Sept. 9, 1950. O. G. Feb. 5. Class 42.

Feeders Supply and Manufacturing Company: *See*—
Feeders' Supply Company.

Feeders' Supply Company, to Feeders Supply and Manufacturing Company, Kansas City, Mo. Stock feed. 84,951, re-renewed Jan. 16, 1952. O. G. Feb. 5. Class 46.

Ferguson, R. A., Co.: *See*—
Ferguson, Roy A.

Ferguson, Roy A., doing business under the firm name and style of R. A. Ferguson Co., Hollywood, Calif. Make-up mirrors. 554,352, Feb. 5; Serial No. 572,964, published Oct. 30, 1951. Class 32.

Ferrar Radio & Television Corp., New York, N. Y. Electronic voice transmitter. 554,410, Feb. 5; Serial No. 601,352, published Nov. 6, 1951. Class 21.

Fillmore Citrus Association, Fillmore, Calif. Fresh citrus fruits. 292,757, renewed Mar. 29, 1952. O. G. Feb. 5. Class 46.

Fine Products Corp.: *See*—
Nunnally Company, The.

Firelure Corporation, The, San Francisco, Calif. Fishing rods, fishing reels, fishing plugs, etc. 554,407, Feb. 5; Serial No. 589,205, published Nov. 13, 1951. Class 22.

Fire Master Corporation, Brooklyn, N. Y. Portable automatic sprinkler type fire extinguishers. 554,331, Feb. 5; Serial No. 558,223, published Oct. 23, 1951. Class 23.

Florasynth Laboratories, Incorporated, New York, N. Y., and Chicago, Ill. Perfumes, colognes, essences, and aromatic chemicals used as bases for cosmetics and toilet preparations. 554,484, Feb. 5; Serial No. 609,853, published Oct. 30, 1951. Class 51.

Flucker, Bill, Good Water, Ala. Liniment and salve. 554,477, Feb. 5; Serial No. 608,865, published Oct. 23, 1951. Class 18.

Flying Chicken, The, Albuquerque, N. Mex., by Jack Christiansen, doing business as The Flying Chicken, Glendale, Calif. Packaged cooked chicken. 439,183, June 8, 1948. Republished Feb. 5. Class 46.

French Sardine Company of California, The, Terminal Island, Calif. Canned fish. 554,381, Feb. 5; Serial No. 597,520, published Nov. 13, 1951. Class 46.

Garin Company, The: *See*—
Garin, H. P., Co.

Garin, H. P., Co., San Francisco, to The Garin Company, Salinas, Calif. Fresh vegetables. 291,842, renewed Feb. 23, 1952. O. G. Feb. 5. Class 46.

Garod Radio Corporation, Brooklyn, N. Y. Combined radio receivers and alarm clocks. 554,321, Feb. 5; Serial No. 546,093, published Nov. 13, 1951. Class 21.

General Strapping Corporation, New York, N. Y. Machines used for applying metal flat band strapping. 554,382, Feb. 5; Serial No. 598,012, published Aug. 8, 1950. Class 23.

Gilbert & Barker Manufacturing Company, West Springfield, Mass. Coolant pumps. 554,464, Feb. 5; Serial No. 611,269, published Oct. 23, 1951. Class 23.

Globe Slicing Machine Co., Inc., Stamford, Conn. Food comminuting machines. 554,445, Feb. 5; Serial No. 609,922, published Nov. 13, 1951. Class 23.

Globe Slicing Machine Co., Inc., Stamford, Conn. Food preparing machines. 554,481, Feb. 5; Serial No. 609,592, published Nov. 13, 1951. Class 23.

Gold Seal Co., assignor to Gold Seal Company, Bismarck, N. Dak. Glass cleaner and polish. 444,653, Feb. 5; Serial No. 492,040, published Mar. 25, 1947. Class 4.

Gold Seal Company, assignee: *See*—
Gold Seal Co.

Goldsmith Bros., New York, N. Y. Combination filing and storage cabinets. 554,391, Feb. 5; Serial No. 600,263, published Nov. 13, 1951. Class 32.

Gould, Sidney S., doing business as Combined Industries, Brooklyn, N. Y. Collapsible combination clothes rack, hat rack, and shoe rack. 554,367, Feb. 5; Serial No. 591,292, published Nov. 13, 1951. Class 32.

Gourock Ropework Company Limited, The, Port Glasgow, Scotland. Linen and hemp piece goods. 84,957, re-renewed Jan. 6, 1952. O. G. Feb. 5. Class 42.

Green, Simon B.: *See*—
Ace Paint Products Co.

Grey Iron Casting Company, Mount Joy, Pa. Sets of carpenters' tools. 554,360, Feb. 5; Serial No. 578,972, published Nov. 13, 1951. Class 23.

H & B American Machine Company, South Attleboro, Mass. Anti-friction spindles and parts thereof. 554,432, Feb. 5; Serial No. 607,124, published Oct. 30, 1951. Class 23.

Hainke, Paul, doing business as The Paul Hainke Mfg. Co., Hutchinson, Kans. Hand and power operated garden plows and tractors and parts thereof. 554,369, Feb. 5; Serial No. 591,677, published Nov. 6, 1951. Class 23.

Hainke, Paul, Mfg. Co., The: *See*—
Hainke, Paul.

Hanger, J. E., Inc., Washington, D. C. Artificial limbs. 280,717, Dec. 1, 1931. Republished Feb. 5. Class 44.

Hartmann Company: *See*—
Hartmann Trunk Company.

Hartmann Trunk Company, to Hartmann Company, Racine, Wis. Wardrobe trunks, taxi and steamer trunks, etc. 291,891, renewed Feb. 23, 1952. O. G. Feb. 5. Class 3.

Hastings, G., & Co. Limited, Leicester, England. Men's socks. 554,370, Feb. 5; Serial No. 592,566, published Oct. 23, 1951. Class 39.

Hawley Products Company, St. Charles, Ill. Empty radio cabinets, empty phonograph cabinets, and bureau drawers. 554,395, Feb. 5; Serial No. 582,428, published Nov. 13, 1951. Class 32.

Hearst Corporation, The, New York, N. Y. Facsimile transmitting and receiving apparatus. 554,511, Feb. 5; Serial No. 600,049. Class 21.

Herculean Appliance Corporation, New York, N. Y. Toilet seats. 554,503, Feb. 5; Serial No. 585,706. Class 13.

Hettrick Manufacturing Company, The, Toledo, Ohio. Gliders. 554,485–6, Feb. 5; Serial Nos. 609,859–60, published Nov. 13, 1951. Class 32.

Hibdon Brothers Medicine Co., Morrison, Tenn. Medicinal preparation. 554,420, Feb. 5; Serial No. 603,683, published Oct. 23, 1951. Class 18.

Hick'ry Pit, The: *See*—
Hirschenfeld, Henry J.

Hick'ry Pit Enterprises, Inc.: *See*—
Hirschenfeld, Henry J.

Hirschenfeld, Henry J., doing business as The Hick'ry Pit, to Hick'ry Pit Enterprises, Inc., Oakland, Calif. Prepared and barbecued spareribs. 341,567, Dec. 15, 1936. New certificate. O. G. Feb. 5. Class 46.

Hirsh, S. A., Manufacturing Co., Chicago, Ill. Steel shelving supports. 554,337, Feb. 5; Serial No. 564,199, published Nov. 13, 1951. Class 32.

Holley Carburetor Company, Detroit, Mich. Distributors and parts thereof. 554,356, Feb. 5; Serial No. 576,209, published Nov. 13, 1951. Class 21.

Holmes, T. J., Co., Inc., Chartley, Mass., to Carter Products, Inc., New York, N. Y. Antiseptic compound. 290,229, renewed Dec. 22, 1951. O. G. Feb. 5. Class 18.

Hoover Hosiery Company, Concord, N. C. Hosiery. 287,800, renewed Oct. 13, 1951. O. G. Feb. 5. Class 39.

Horton Manufacturing Company, Fort Wayne, Ind. Laundry washing machines. 292,796, renewed Mar. 29, 1952. O. G. Feb. 5. Class 24.

Imperial Molded Products Corporation, Chicago, Ill. Engineering, designing, and the custom molding of products. 554,489–90, Feb. 5; Serial Nos. 539,058–9, published Nov. 13, 1951. Class 106.

Independent Oil and Gas Company, Tulsa, Okla., by Standard Oil Company, Chicago, Ill. Gasoline, kerosene, and other liquid motor fuel. 213,586, June 1, 1926. Republished Feb. 5. Class 15.

International Projector Corporation, Bloomfield, N. J. Cameras and parts thereof and accessories thereto, etc. 287,315, Sept. 22, 1931. Republished Feb. 5. Class 26.

Jahn, Henry R., & Son, Inc., New York, N. Y. Electric generating sets. 554,515, Feb. 5; Serial No. 606,707. Class 21.

Jamestown Table Company, Jamestown, N. Y. Dressers, vanity dressers, men's chests, etc. 554,366, Feb. 5; Serial No. 591,168, published Nov. 13, 1951. Class 32.

Jamison Classics, Inc., New York, N. Y. Ladies' and misses' dresses, slacks, outer shorts, etc. 554,433, Feb. 5; Serial No. 607,129, published Nov. 13, 1951. Class 39.

Johnson & Johnson, New Brunswick, N. J. Antiseptics; cosmetics. 554,342, Feb. 5; Serial No. 568,628, published Oct. 30, 1951. Class 51.

Johnson & Johnson, New Brunswick, N. J. Antiseptics; cosmetics. 554,343, Feb. 5; Serial No. 568,631, published Oct. 30, 1951. Class 51.

Karnes Sweeper Co.: *See*—
Karnes, Paul R.

Karnes, Paul R., doing business as Karnes Sweeper Co., Marion, Ind. Electric vacuum sweepers. 554,497, Feb. 5; Serial No. 566,708. Class 21.

Kell Lock Co., Inc., Charlestown, N. H. Key cutting and key duplicating machinery. 554,333, Feb. 5; Serial No. 559,519, published July 24, 1951. Class 23.

Kerfoot, Thos., & Co., Ashton-under-Lyne, England, to Thomas Kerfoot & Co., Limited, Bardsley, England. Perfumed lozenges. 37,298, re-renewed Nov. 12, 1951. O. G. Feb. 5. Class 46.

Kerfoot, Thomas, & Co., Limited: *See*—
Kerfoot, Thos., & Co.

Kern & Co. Ltd., Aarau, Switzerland. Precision drawing instruments and parts thereof. 554,510, Feb. 5; Serial No. 596,730. Class 26.

King, Geo. W., Limited, Hitchin, England. Chain pulley blocks. 554,380, Feb. 5; Serial No. 597,341, published Nov. 6, 1951. Class 23.

Kopel, Irving J., doing business as Kopel Filter Paper Co., Chicago, Ill. Electric iron rest. 554,408, Feb. 5; Serial No. 590,163, published Nov. 13, 1951. Class 21.

Kopel Filter Paper Co.: *See*—
Kopel, Irving J.

Lane Bryant Inc., New York, N. Y. Girls', young women's and women's dresses, suits, coats, etc. 554,441, Feb. 5; Serial No. 608,710, published Nov. 6, 1951. Class 39.

Ledeen, Hyman, doing business as Ledeen Manufacturing Co., Los Angeles, Calif. Pneumatic and hydraulic cylinders, belt and slat conveyors, etc. 554,379, Feb. 5; Serial No. 596,672, published Oct. 30, 1951. Class 23.

Ledeen Manufacturing Co.: *See*—
Ledeen, Hyman.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Front surface mirrors, rear surface mirrors, and transparent mirrors. 554,411, Feb. 5; Serial No. 602,040, published Nov. 6, 1951. Class 32.

Lily Mills Company, Shelby, N. C. Yarn. 554,439, Feb. 5; Serial No. 608,556, published Nov. 13, 1951. Class 43.

Liquinet Corporation, Chicago, Ill. Soft wave retaining preparation. 554,454, Feb. 5; Serial No. 610,368, published Oct. 30, 1951. Class 51.

Logansport Machine Co., Inc., Logansport, Ind. Centrifugal pumps. 554,344, Feb. 5; Serial No. 568,644, published Oct. 16, 1951. Class 23.

Lorraine Novelty Manufacturing Company, Incorporated, Bridgeport, Conn. Folding chairs. 554,423, Feb. 5; Serial No. 604,977, published Nov. 6, 1951. Class 32.

Losero, John, doing business as B & B Coffee Shop, Fort Worth, Tex. Salad dressing, food seasoning powder, cocktail sauce, etc. 554,506, Feb. 5; Serial No. 589,978. Class 46.

M. K. M. Hosiery Mills, Inc., Boston, Mass. Hosiery. 554,323, Feb. 5; Serial No. 547,019, published July 26, 1949. Class 39.

Magnolia Metal Company, New York, N. Y., to Magnolia Metal Company, Elizabeth, N. J. Bearing alloys. 292,998, renewed Apr. 5, 1932. O. G. Feb. 5. Class 14.

Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Toilet bowls and tanks, urinals, etc. 554,363, Feb. 5; Serial No. 581,273, published Nov. 20, 1951. Class 13.

Marine Craft of America, Chicago, Ill. Sporting goods and equipment. 550,269, Oct. 30, 1951. Corrected. O. G. Feb. 5. Class 22.

Markwell Manufacturing Co., Inc., New York, N. Y. Machine applied and cohered staples. 554,469, Feb. 5; Serial No. 613,515, published Nov. 20, 1951. Class 13.

Martony, Edward, doing business as Natural Health Products, Sarasota, Fla. Electrical liquefying machine. 554,437, Feb. 5; Serial No. 608,171, published Nov. 13, 1951. Class 21.

Mason Can Company, East Providence, R. I. Serving trays, cookie sheets, and top of stove ovens. 554,500, Feb. 5; Serial No. 577,895. Class 13.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 554,364, Feb. 5; Serial No. 590,671, published Oct. 23, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 554,365, Feb. 5; Serial No. 590,688, published Oct. 23, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Medicinal preparation. 554,402, Feb. 5; Serial No. 587,879, published Oct. 23, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Medicinal preparation. 554,403, Feb. 5; Serial No. 587,898, published Oct. 23, 1951. Class 18.

Maussener, S. & J. W., New York, N. Y. Package or kit containing soap and tissue wipers. 554,504, Feb. 5; Serial No. 585,803. Class 52.

Mayflower Mills, Fort Wayne, Ind. Wheat flour and prepared biscuit mixes. 554,385, Feb. 5; Serial No. 598,425, published Nov. 13, 1951. Class 46.

McCloskey Varnish Co., Philadelphia, Pa. Oil varnish. 285,888, renewed Aug. 11, 1951. O. G. Feb. 5. Class 16.

McDonald, A. L., Milford, Utah. Tooth and denture powder. 554,430, Feb. 5; Serial No. 606,559, published Oct. 30, 1951. Class 51.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Medicinal preparation. 554,443, Feb. 5; Serial No. 608,825, published Oct. 23, 1951. Class 18.

Meck, John, Industries, Inc., Plymouth, Ind. Electrical apparatus. 554,389, Feb. 5; Serial No. 599,714, published Nov. 6, 1951. Class 21.

Metals Refining Company, by Metals Refining Company, Inc., Hammond, Ind. Pig lead and lead alloys. 323,616, Apr. 23, 1935. Republished Feb. 5. Class 14.

Metals Refining Company Inc.: *See*—
Metals Refining Company.

Michigan Salt Company, St. Louis, Mich. Table salt. 554,312, Feb. 5; Serial No. 508,541, published Nov. 13, 1951. Class 46.

Mine and Smelter Supply Company, The, Denver, Colo. Rock bit grinders, pulverizers, hot millers, etc. 554,413, Feb. 5; Serial No. 602,208, published Oct. 30, 1951. Class 23.

Minneapolis-Moline Company, assignee: *See*—
Avery, B. F., & Sons Company.

Miracalov Corporation, The, assignee: *See*—
Doughty Research and Development Corporation.

Mitchell Industries, Inc., Mineral Wells, Tex. Electric soldering irons. 554,448, Feb. 5; Serial No. 610,133, published Nov. 13, 1951. Class 21.

Mon Docteur Importing Co., Inc., by Dainty Maid, Inc., Middlefield, Conn. Medication for antiseptic purposes. 272,464, July 8, 1930. Republished Feb. 5. Class 18.

Monroe Auto Equipment Company, Monroe, Mich. Vehicle lift. 554,335, Feb. 5; Serial No. 563,076, published Oct. 30, 1951. Class 23.

Morse-Starrett Products Company, Oakland, Calif. Cable bands. 554,419, Feb. 5; Serial No. 603,494, published Nov. 20, 1951. Class 13.

Multi-Clean Products, Incorporated, St. Paul, Minn. Steel wool pads. 554,372, Feb. 5; Serial No. 593,576, published Nov. 13, 1951. Class 4.

Musicolor Inc., Chicago, Ill. Electrical apparatus. 554,466, Feb. 5; Serial No. 611,483, published Nov. 13, 1951. Class 21.

Nancy, Gale, Ltd., assignee: *See*—
Terry Hill, Inc.

Naranjo Packing House Company, Woodlake, Calif. Fresh citrus fruits. 554,318, Feb. 5; Serial No. 540,439, published Nov. 6, 1951. Class 46.

National Puff Company, Brooklyn, N. Y. Furniture slip covers. 554,427, Feb. 5; Serial No. 605,966, published Nov. 6, 1951. Class 32.

National Steel Corporation, Pittsburgh, Pa. Zinc coated ferrous base sheets and strip. 414,613, June 19, 1945. Republished Feb. 5. Class 14.

Natural Health Products: *See*—
Martony, Edward.

Neptune Meter Company, New York, N. Y. Meters. 281,675, Mar. 24, 1931. Corrected. O. G. Feb. 5. Class 26.

Nestle-LeMur Company, The: *See*—
Vivaudou, V., Inc.

Nestor Johnson Manufacturing Company, Chicago, Ill. Playing card shufflers. 554,516, Feb. 5; Serial No. 607,182. Class 22.

Nopco Chemical Company, Harrison, N. J. Fat-soluble vitamin-containing glyceride oils. 554,431, Feb. 5; Serial No. 606,793, published Oct. 23, 1951. Class 18.

Northrop Aircraft, Inc., Hawthorne, Calif. Gas filled cold cathode glow tubes. 554,446, Feb. 5; Serial No. 609,984, published July 17, 1951. Class 21.

Nunnally Company, The, Atlanta, to Fine Products Corp., Augusta, Ga. All kinds of candies. 287,172, renewed Sept. 15, 1951. O. G. Feb. 5. Class 46.

Ohio Roller Company, Cleveland, Ohio. Ink carrying surfaces and rollers for printing and graining. 554,508, Feb. 5; Serial No. 592,926. Class 23.

Ohmite Manufacturing Company, Chicago, Ill. Electrical circuit control elements. 554,414–15, Feb. 5; Serial Nos. 602,282–3, published Nov. 13, 1951. Class 21.

Oil Well Supply Company, Dallas, Tex. 554,428, Feb. 5. Electric generators, Serial No. 606,165, published Sept. 11, 1951. Class 21; internal combustion engines, Serial No. 606,166, published Oct. 16, 1951. Class 23. (Consolidated certificate, Classes 21 and 23.)

Pacific Grape Products Company, Modesto, Calif. Canned frozen fresh deciduous fruits. 554,313, Feb. 5; Serial No. 513,680, published Oct. 30, 1951. Class 46.

Palmer, S. A., Limited, Leeds, England. Herbal medicine. 287,523, renewed Sept. 29, 1951. O. G. Feb. 5. Class 18.

Park & Shop, Inc., Allentown, Pa. Board game. 554,472, Feb. 5; Serial No. 614,310, published Nov. 13, 1951. Class 22.

Parker Appliance Company, The, Cleveland, Ohio. Couplings for metal tubes and pipes; couplings for rubber hose, etc. 554,341, Feb. 5; Serial No. 567,426, published Nov. 20, 1951. Class 13.

Petersen & Dekke A/S, Hop, near Bergen, Norway. Underwear, stockings, and socks. 554,424, Feb. 5; Serial No. 605,262, published Nov. 6, 1951. Class 39.

Pfanstiehl Chemical Company, Chicago and Waukegan, Ill. Metal phonograph needles and phonograph styli. 554,327, Feb. 5; Serial No. 550,549, published Oct. 30, 1951. Class 36.

Pharma-Craft Corporation, The, New York, N. Y. Cream deodorant. 554,440, Feb. 5; Serial No. 608,621, published Oct. 9, 1951. Class 51.

Philadelphia and Reading Coal and Iron Company, The, Philadelphia, Pa. Pamphlets. 554,442, Feb. 5; Serial No. 608,218, published Nov. 13, 1951. Class 38.

Pierce, S. S., Co., Boston, Mass. Smoking pipes. 554,478, Feb. 5; Serial No. 608,948, published Oct. 16, 1951. Class 8.

Pilot Full Fashion Mills, Inc., Valdese, N. C., and New York, N. Y. Men's, women's, and children's hosiery. 554,417, Feb. 5; Serial No. 602,968, published Oct. 23, 1951. Class 39.

Plumbing and Drainage Institute, Detroit, Mich. Plumbing and drainage products. 554,495, Feb. 5; Serial No. 588,388, published Nov. 20, 1951. Class 13.

Portage Hosiery Company, Portage, Wis. Athletic socks, hosiery, and mittens. 367,379, May 16, 1939. Republished Feb. 5. Class 39.

Products Packaging, Inc.: *See*—
Double Duty Products, Inc.

Protectowire Co., The, Pembroke, Mass. Equipment for use in electric protective signalling systems. 554,325, Feb. 5; Serial No. 548,693, published Nov. 13, 1951. Class 21.

Quaker Oats Company, The: *See*—
Coast Fishing Co.

Radiator Specialty Company, Charlotte, N. C. Safety latches. 554,518, Feb. 5; Serial No. 612,178. Class 25.

Ray, Donald R., doing business as Roll-A-Whirl Co., St. James, Mo. Amusement apparatus. 554,361, Feb. 5; Serial No. 579,891, published Nov. 13, 1951. Class 22.

Reliance Regulator Corporation, Alhambra, Calif. Regulators. 554,319, Feb. 5; Serial No. 542,488, published Nov. 20, 1951. Class 13.

Richards, Harper, Chicago, Ill. Child's collapsible toilet seat. 554,409, Feb. 5; Serial No. 601,233, published Nov. 20, 1951. Class 13.

Richkraft Company, The, Chicago, Ill. Coated building paper. 554,465, Feb. 5; Serial No. 611,453, published Oct. 30, 1951. Class 12.

Rilling Company, New York, N. Y. Hair waving solutions. 554,438, Feb. 5; Serial No. 608,222, published Oct. 9, 1951. Class 51.

Robbins Incubator Company, Denver, Colo. Boats. 554,498, Feb. 5; Serial No. 567,433. Class 19.

Roberts Industries, Incorporated, Durham, Conn. Prefabricated boats. 554,512, Feb. 5; Serial No. 604,163. Class 19.

Rockwell Manufacturing Company, Pittsburgh, Pa. Valves. 554,357, Feb. 5; Serial No. 577,225, published Nov. 20, 1951. Class 13.

Rockwell Manufacturing Company, Pittsburgh, Pa. Plug valves. 554,358, Feb. 5; Serial No. 577,226, published Nov. 20, 1951. Class 13.

Roll-A-Whirl Co.: *See*—
Ray, Donald R.

Rollins Hosiery Mills, Inc., Des Moines, Iowa. Hosiery. 319,286, Nov. 20, 1934. Corrected. O. G. Feb. 5. Class 39.

Romac Industries, Audubon, N. J. Closure controlled automatic sprayer. 554,487, Feb. 5; Serial No. 609,883, published Oct. 23, 1951. Class 23.

Russell, Mazie, Newark, N. J. Mixture of dried aromatic leaves for use as an inhalator. 554,435, Feb. 5; Serial No. 608,020, published Oct. 23, 1951. Class 18.

Sandhill Furniture Corporation, West End, N. C. Furniture. 554,355, Feb. 5; Serial No. 575,440, published Oct. 16, 1951. Class 32.

Sankey, Joseph, & Sons, Ltd., Bilston, England. Sheet-metal transformer and dynamo plates. 79,791, Oct. 4, 1910. Republished Feb. 5. Class 21.

Sankey, Joseph, & Sons, Ltd., Bilston, England. Iron and steel blooms, billets, bars, etc. 80,086, Nov. 1, 1910. Republished Feb. 5. Class 14.

Schack's, Inc., Chicago, Ill. Electric lighting apparatus. 554,394, Feb. 5; Serial No. 581,831, published Oct. 30, 1951. Class 21.

Schaeffer Mfg. Co., St. Louis, Mo. Toilet bowl cleaner. 554,449, Feb. 5; Serial No. 610,147, published Nov. 13, 1951. Class 52.

School Photo Service, Inc., Kansas City, Mo. Photographic services. 554,493, Feb. 5; Serial No. 555,567, published Nov. 13, 1951. Class 106.

Schulmerich Electronics, Incorporated, Sellersville, Pa. Musical instruments. 554,351, Feb. 5; Serial No. 572,456, published Nov. 13, 1951. Class 36.

Seaboard Rice Milling Co., Galveston, to Comet Rice Mills, Beaumont, Tex. Rice. 86,093, re-renewed Apr. 9, 1952. O. G. Feb. 5. Class 46.

Sealine Manufacturing Corp.: *See*—
Blanchard Electric Mfg. Co.

Sears, Roebuck and Co., Chicago, Ill. Hose nozzles and lawn sprinklers. 554,348, Feb. 5; Serial No. 570,516, published Nov. 20, 1951. Class 13.

Selmer, H. & A., Incorporated, Elkhart, Ind. Saxophone-supporting neck straps and musical instrument swabs. 554,320, Feb. 5; Serial No. 543,228, published Nov. 13, 1951. Class 36.

Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Toilet bowl force cups and plumber friends. 554,450, Feb. 5; Serial No. 610,148, published Nov. 6, 1951. Class 23.

Shankel Mill Company, Incorporated, Bristol, Va. Wheat flour, corn meal, dairy feed, etc. 554,314, Feb. 5; Serial No. 534,379, published Nov. 6, 1951. Class 46.

Signal Publications: *See*—
Signal Publishing Corporation.

Signal Publishing Corporation, to Signal Publications, Huntington Park, Calif. Newspaper. 288,025, renewed Oct. 20, 1951. O. G. Feb. 5. Class 38.

Silicote Corporation, The, Oshkosh, Wis. Gun and reel lubricants. 554,447, Feb. 5; Serial No. 610,032, published Oct. 23, 1951. Class 15.

Singing Needles, Inc., Lititz and Millersville, Pa. Women's, misses', and children's slips and undergarments. 554,468, Feb. 5; Serial No. 611,814, published Nov. 6, 1951. Class 39.

Sleep Pure Company, Chicago, Ill. Pillows. 554,392, Feb. 5; Serial No. 600,310, published Nov. 13, 1951. Class 32.

Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Hard surface floor and wall coverings of linoleum and linoleum substitutes. 554,373, Feb. 5; Serial No. 593,836, published Nov. 6, 1951. Class 20.

Société Anonyme Petitjean, Gay & Cie, Le Pre-Saint-Germain, Seine, France. Canned food. 554,496, Feb. 5; Serial No. 563,435. Class 46.

Southern States Iron Roofing Company, Savannah, Ga. Prefabricated houses. 554,479, Feb. 5; Serial No. 609,320, published Oct. 30, 1951. Class 12.

Sprague Electric Company, North Adams, Mass. Electrical resistors. 554,471, Feb. 5; Serial No. 613,790, published Nov. 13, 1951. Class 21.

Standard Oil Company: *See*—
Independent Oil and Gas Company.

Standard Oil Company, Chicago, Ill. Petroleum-pitch. 84,416, Dec. 12, 1911. Republished Feb. 5. Class 1.

Standard Oil Company, Chicago, Ill. Engine-oil, turbine-oil, transformer-oil, etc. 91,522, May 6, 1913. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Cylinder-oil, engine-oil, and gas-engine oil. 92,839, July 29, 1913. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Asphalt. 93,566, Sept. 23, 1913. Republished Feb. 5. Class 12.

Standard Oil Company, Chicago, Ill. Petroleum-pitch. 93,770, Oct. 14, 1913. Republished Feb. 5. Class 1.

Standard Oil Company, Chicago, Ill. Gas-engine tractor-oil. 95,169, Feb. 3, 1914. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Kerosene-oil. 105,504, July 27, 1915. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Cleaning and polishing oil. 121,016, Mar. 19, 1918. Republished Feb. 5. Classes 4 and 52.

Standard Oil Company, Chicago, Ill. Lubricating oils. 128,177, Dec. 23, 1919. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Cutting-oil. 136,646, Nov. 2, 1920. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Gasoline, candles, liquid paraffin, etc. 168,756, May 29, 1923. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Asphalt and paving filler. 169,351, June 12, 1923. Republished Feb. 5. Class 12.

Standard Oil Company, Chicago, Ill. Petrolatum. 172,712, Sept. 11, 1923. Republished Feb. 5. Class 6.

Standard Oil Company, Chicago, Ill. Candles. 177,894–5, Jan. 1, 1924. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Candles. 179,749, Feb. 12, 1924. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Petroleum oil for spraying livestock. 193,535, Dec. 30, 1924. Republished Feb. 5. Class 6.

Standard Oil Company, Chicago, Ill. Candles. 196,872, Mar. 31, 1925. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Candles. 197,047, Apr. 7, 1925. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Candles. 197,065, Apr. 7, 1925. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Candles. 199,786, June 16, 1925. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Petroleum wax. 210,867, Mar. 23, 1926. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Dry-cleaning fluid. 218,776, Oct. 5, 1926. Republished Feb. 5. Class 52.

Standard Oil Company, Chicago, Ill. Lubricating oils. 219,365, Oct. 19, 1926. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Candles and candle bases, paraffin wax, gasoline, etc. 223,708, Feb. 8, 1927. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Lubricating oils. 248,399, Oct. 23, 1928. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Hydrocarbon cleaning fluid. 253,627, Mar. 5, 1929. Republished Feb. 5. Class 52.

Standard Oil Company, Chicago, Ill. Rust preventing oils and greases. 286,188, Aug. 18, 1931. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Lubricating oils and greases. 287,741, Oct. 6, 1931. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Lubricating oils and greases. 295,925, July 19, 1932. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Lubricating oils, oil compounds. 321,906, Feb. 19, 1935. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Plasticizers. 430,251, June 10, 1947. Republished Feb. 5. Class 6.

Standard Oil Company, Chicago, Ill. Petroleum sulfonates, viscous oil-soluble liquids, etc. 432,401, Sept. 2, 1947. Republished Feb. 5. Class 6.

Standard Oil Company, Chicago, Ill. Insecticides. 434,508, Nov. 18, 1947. Republished Feb. 5. Class 6.

Standard Oil Company, Chicago, Ill. Lubricating oils. 434,832, Dec. 9, 1947. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Butylene polymers. 436,150, Jan. 27, 1948. Republished Feb. 5. Class 1.

Standard Oil Company, Chicago, Ill. Asphalt. 436,759, Feb. 17, 1948. Republished Feb. 5. Class 12.

Standard Oil Company, Chicago, Ill. Candles. 439,125, June 1, 1948. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Lubricating oils. 439,127, June 1, 1948. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Fuel oils. 439,128, June 1, 1948. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Lubricating oils. 439,129, June 1, 1948. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Candles. 439,131, June 1, 1948. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Lubricating oil. 439,934, July 27, 1948. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Naphtha. 439,935, July 27, 1948. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Lubricating oils. 439,936, July 27, 1948. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Candles. 440,010, Aug. 3, 1948. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Lubricating oils. 440,027–8, Aug. 3, 1948. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. High-boiling aromatic oils and their fractions, as ingredients in the manufacture of paints and varnishes. 440,544, Sept. 14, 1948. Republished Feb. 5. Class 16.

Standard Oil Company, Chicago, Ill. High-boiling aromatic oils and their fractions, used as solvents and thinners in oleo-resinous paints, varnishes, etc. 440,951, Oct. 12, 1948. Republished Feb. 5. Class 16.

Standard Oil Company, Chicago, Ill. Insecticides. 441,806, Jan. 4, 1949. Republished Feb. 5. Class 6.

Standard Oil Company, Chicago, Ill. Mineral oils for medicinal purposes, and insecticides. 442,572, Apr. 26, 1949. Republished Feb. 5. Classes 18 and 6.

Standard Oil Company, Chicago, Ill. Petroleum and products of petroleum; mineral wax, and candles. 443,855, Mar. 21, 1950. Republished Feb. 5. Class 15.

Standard Oil Company, Chicago, Ill. Polish or gloss. 444,038, June 13, 1950. Republished Feb. 5. Class 4.

Standard Oil Company, Chicago, Ill. Harness oils, belt dressings, metal polish, or gloss, etc. 444,047, June 20, 1950. Republished Feb. 5. Classes 4, 6, and 52.

Standard Oil Company, The, Cleveland, Ohio. Pipe couplings. 554,334, Feb. 5; Serial No. 563,028, published Nov. 20, 1951. Class 13.

Standish Pewter Co., Inc., Brooklyn, N. Y. Flat and hollow ware of base metal. 554,507, Feb. 5; Serial No. 591,753. Class 13.

Stauffer Chemical Company, San Francisco, Calif. Insecticide paste. 554,502, Feb. 5; Serial No. 581,053. Class 6.

Stead, J., & Company Limited, Sheffield, England. Phonograph needles, phonograph pick-up needles, and sound boxes. 554,349, Feb. 5; Serial No. 571,060, published Oct. 30, 1951. Class 36.

Stimulene Mfg. Co.: *See*—
Bird, Virgil W.

Strawbridge & Clothier, Philadelphia, Pa. Women's and children's shoes. 287,535, renewed Sept. 29, 1951. O. G. Feb. 5. Class 39.

Sturdi-Bilt Steel Products, Inc., Chicago, Ill. Plug and switch units for motor controls. 554,513, Feb. 5; Serial No. 605,241. Class 21.

Sun Oil Company, Philadelphia, Pa. Motor oil. 554,444, Feb. 5; Serial No. 609,888, published Oct. 23, 1951. Class 15.

Swift & Company: *See*—
Swift and Company.

Swift and Company, to Swift & Company, Chicago, Ill. Vegetable shortening. 290,059, renewed Dec. 22, 1951. O. G. Feb. 5. Class 46.

Telanserphone, Incorporated, New York, N. Y. Radio receiving sets. 554,499, Feb. 5; Serial No. 571,759. Class 21.

Television Maintenance Master Antenna Division, Inc., New York, N. Y. Erection and maintenance of master television antennas. 554,494, Feb. 5; Serial No. 600,556, published Nov. 13, 1951. Class 103.

Terry Hill, Inc., New York and Astoria, assignor to Nancy Gale, Ltd., New York, N. Y. Ladies' dresses. 554,393, Feb. 5; Serial No. 600,958, published Nov. 13, 1951. Class 39.

Textile Mills Corporation, The, to Adams-Millis Corporation, High Point, N. C. Hosiery. 291,647, renewed Feb. 23, 1952. O. G. Feb. 5. Class 39.

Totem Distributing Co., Seattle, Wash. Electric cords, plugs, sockets, and mechanic's light shields. 554,418, Feb. 5; Serial No. 603,465, published Nov. 13, 1951. Class 21.

Transparent Package Company, Chicago, Ill. Ribbon. 554,322, Feb. 5; Serial No. 546,737, published Nov. 13, 1951. Class 7.

Triumph Distributing Co. Inc., to Armstrong Daily Sports, Inc., New York, N. Y. Daily publication. 282,726, renewed Apr. 28, 1951. O. G. Feb. 5. Class 38.

Union Trading Company Ltd., Basel, Switzerland. Knives, spoons, forks, etc. 554,400, Feb. 5; Serial No. 586,379, published Oct. 16, 1951. Class 23.

United States Rubber Company, New York, N. Y. Vaginal douches. 288,982, renewed Nov. 10, 1951. O. G. Feb. 5. Class 44.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 554,422, Feb. 5; Serial No. 604,554, published Oct. 16, 1951. Class 18.

Vadsco Sales Corporation, New York and Long Island City, to Associated Brands, Inc., Brooklyn, N. Y. Astringents, astringent cerates, bleach creams, etc. 291,109, renewed Jan. 26, 1952. O. G. Feb. 5. Class 51.

Vineburgh, Lawrence H. M., Hartford, Conn. Carbonators. 554,347, Feb. 5; Serial No. 569,919, published Oct. 16, 1951. Class 23.

Vitalic Battery Company, Inc., Dallas, Tex. Storage batteries and storage battery cases. 554,426, Feb. 5; Serial No. 605,820, published Nov. 13, 1951. Class 21.

Vivaudou, V., Inc., New York and Long Island City, to The Nestle-LeMur Company, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 292,869, renewed Mar. 29, 1952. O. G. Feb. 5. Class 51.

Viviano Foods, Inc.: *See*—
Viviano, G., Inc.

Viviano, G., Inc., to Viviano Foods, Inc., Detroit, Mich. Fish paste; fish products, etc. 287,022, renewed Sept. 8, 1951. O. G. Feb. 5. Class 46.

Walton, Izaak, League of America, Inc., Chicago, Ill. Monthly publication. 277,478, Nov. 11, 1930. Republished Feb. 5. Class 38.

Warner, William R., & Co., Inc., to Bobst Pharmacal Co., Inc., New York, N. Y. Medicinal preparation. 292,819, renewed Mar. 29, 1952. O. G. Feb. 5. Class 18.

Warren Knitting Mills, Inc., assignee: *See*—
Duet Hosiery Corp.

Washington Planograph Company, Inc., The, Washington, D. C. Completely printed literature. 287,959, renewed Oct. 20, 1951. O. G. Feb. 5. Class 38.

Webster Electric Company, Racine, Wis. Pumps, and thermostatically controlled variable diameter pulleys, and V-pulleys. 554,368, Feb. 5; Serial No. 591,390, published Nov. 6, 1951. Class 23.

Welch, Margetson & Co. Ltd., London, England. Men's, women's, boys' and girls' wearing apparel. 444,654, Feb. 5; Serial No. 496,117, published Dec. 12, 1950. Class 39.

Wellco Shoe Corporation, Waynesville, N. C. Shoes, boots, sandals, slippers. 554,346, Feb. 5; Serial No. 568,818, published Oct. 23, 1951. Class 39.

Western Auto Supply Company, Kansas City, Mo. Linseed oil, turpentine, paint and enamel coloring, etc. 293,073, renewed Apr. 5, 1952. O. G. Feb. 5. Class 16.

Western Tool and Stamping Co., Des Moines, Iowa. Lawn mowers, hand-operated lawn sweepers. 554,386, Feb. 5; Serial No. 599,403, published Oct. 16, 1951. Class 23.

Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Molybdenum disulphide used as a lubricant. 554,397, Feb. 5; Serial No. 583,458, published Oct. 16, 1951. Class 15.

White, Garrett R., doing business as Carpenter & Co., Cleveland, Ohio. Hair pomade. 554,330, Feb. 5; Serial No. 558,089, published Oct. 9, 1951. Class 51.

White Laboratories, Inc., Newark, N. J. Antibiotic preparation. 554,483, Feb. 5; Serial No. 609,753, published Oct. 16, 1951. Class 18.

Willard, Ralph S.: *See*—
Catalina Island Soap Corporation.

Wolfram & Molybdene Société Anonyme, Nyon, Switzerland, Tools. 554,359, Feb. 5; Serial No. 577,851, published June 5, 1951. Class 23.

Wyeth Incorporated, Philadelphia, Pa. Multiple vitamin preparations. 554,473, Feb. 5; Serial No. 614,601, published Dec. 4, 1951. Class 18.

Yacenda, Thomas J., trading as Deep Rock Refining Co., Richmond, Va. Lubricating oils. 554,453, Feb. 5; Serial No. 610,353, published Oct. 23, 1951. Class 15.

Yellow Pine Medicine Company, Inc., Montgomery, Ala. Medicinal liniment. 554,384, Feb. 5; Serial No. 598,231, published Oct. 23, 1951. Class 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Butylene polymers. Standard Oil Company. 436,150, Jan. 27, 1948. Republished Feb. 5.

Leather. Davis Leather Company Limited. 285,166, renewed July 14, 1951. O. G. Feb. 5.

Mined raw material classified as quartz sand. The American Fluresit Company. 280,435, Feb. 17, 1931. Corrected. O. G. Feb. 5.

Petroleum-pitch. Standard Oil Company. 84,416, Dec. 12, 1911. Republished Feb. 5.

Petroleum-pitch. Standard Oil Company. 93,770, Oct. 14, 1913. Republished Feb. 5.

CLASS 3

Trunks, Wardrobe, taxi and steamer trunks, etc. Hartmann Trunk Company. 291,891, renewed Feb. 23, 1952. O. G. Feb. 5.

CLASS 4

Cleaner and polish, Glass. Gold Seal Co. 444,653, Feb. 5; Serial No. 492,040, published Mar. 25, 1947.

Cleaning and polishing oil. Standard Oil Company. 121,016, Mar. 19, 1918. Republished Feb. 5.

Harness oils, belt dressings, metal polish, or gloss, etc. 444,047, June 20, 1950. Republished Feb. 5.

Polish or gloss. Standard Oil Company. 444,038, June 13, 1950. Republished Feb. 5.

Steel wool pads. Multi-Clean Products, Incorporated. 554,372, Feb. 5; Serial No. 593,576, published Nov. 13, 1951.

CLASS 6

Chemical composition, in vaporizable liquid form. Bristol Chemical Corporation. 554,514, Feb. 5; Serial No. 606,070.

Harness oils, belt dressings, metal polish, or gloss, etc. Standard Oil Company. 444,047, June 20, 1950. Republished Feb. 5.

Insecticide paste. Stauffer Chemical Company. 554,502, Feb. 5; Serial No. 581,053.

Insecticides. Standard Oil Company. 434,508, Nov. 18, 1947. Republished Feb. 5.

Insecticides. Standard Oil Company. 441,806, Jan. 4, 1949. Republished Feb. 5.

Laundry blue. The Cowles Detergent Company. 291,129, renewed Jan. 26, 1952. O. G. Feb. 5.

Mineral oils for medicinal purposes, and insecticides. Standard Oil Company. 442,572, Apr. 26, 1949. Republished Feb. 5.

Petrolatum. Standard Oil Company. 172,712, Sept. 11, 1923. Republished Feb. 5.

Petroleum oil for spraying livestock. Standard Oil Company. 193,535, Dec. 30, 1924. Republished Feb. 5.

Petroleum sulfonates, viscous oil-soluble liquids, etc. Standard Oil Company. 432,401, Sept. 2, 1947. Republished Feb. 5.

Plasticizers. Standard Oil Company. 430,251, June 10, 1947. Republished Feb. 5.

Steel hardening compounds. Doughty Research and Development Corporation. 554,501, Feb. 5; Serial No. 578,680.

CLASS 7

Ribbon. Transparent Package Company. 554,322, Feb. 5; Serial No. 546,737, published Nov. 13, 1951.

CLASS 8

Cigarette paper. Ecusta Paper Corporation. 554,458, Feb. 5; Serial No. 610,675, published Nov. 6, 1951.

Pipes, Smoking. S. S. Pierce Co. 554,478, Feb. 5; Serial No. 608,948, published Oct. 16, 1951.

CLASS 12

Asphalt. Standard Oil Company. 93,566, Sept. 23, 1913. Republished Feb. 5.

Asphalt. Standard Oil Company. 436,759, Feb. 17, 1948. Republished Feb. 5.

Asphalt and paving filler. Standard Oil Company. 169,351, June 12, 1923. Republished Feb. 5.

Coated building paper. The Richkraft Company. 554,465, Feb. 5; Serial No. 611,453, published Oct. 30, 1951.

Flexible mineral-surfaced asphalt-saturated felt siding. Bird & Son, Inc. 292,624, renewed Mar. 22, 1952. O. G. Feb. 5.

Lumber, Rough and finished. Chicago Mill and Lumber Corporation. 287,381, Sept. 22, 1931. Republished Feb. 5.

Prefabricated houses. Southern States Iron Roofing Company. 554,479, Feb. 5; Serial No. 609,320, published Oct. 30, 1951.

Protective siding. Certain-teed Products Corporation. 292,422, renewed Mar. 15, 1952. O. G. Feb. 5.

Tile, Plastic. Arterest Products Co. Inc. 554,457, Feb. 5; Serial No. 610,666, published Oct. 9, 1951.

Windows and jalousies, Louver type. Arnold Products, Inc. 554,455, Feb. 5; Serial No. 610,400, published Oct. 9, 1951.

CLASS 13

Brass goods, Plumbers'. Barnes Manufacturing Co. 554,463, Feb. 5; Serial No. 611,070, published Nov. 20, 1951.

Cable bands. Morse-Starrett Products Company. 554,419, Feb. 5; Serial No. 603,494, published Nov. 20, 1951.

Couplings for metal tubes and pipes; couplings for rubber hose, etc. The Parker Appliance Company. 554,341, Feb. 5; Serial No. 567,426, published Nov. 20, 1951.

Flat and hollow ware of base metal. Standish Pewter Co., Inc. 554,507, Feb. 5; Serial No. 591,753.

Hose nozzles and lawn sprinklers. Sears, Roebuck and Co. 554,348, Feb. 5; Serial No. 570,516, published Nov. 20, 1951.

Machine applied and colored staples. Markwell Manufacturing Co., Inc. 554,469, Feb. 5; Serial No. 613,515, published Nov. 20, 1951.

Nuts, bolts, clips, etc. Elastic Stop Nut Corporation of America. 554,340, Feb. 5; Serial No. 565,692, published Nov. 20, 1951.

Pipe couplings. The Standard Oil Company. 554,334, Feb. 5; Serial No. 563,028, published Nov. 20, 1951.

Plumbing and drainage products. Plumbing and Drainage Institute. 554,495, Feb. 5; Serial No. 588,388, published Nov. 20, 1951.

Regulators. Reliance Regulator Corporation. 554,319, Feb. 5; Serial No. 542,488, published Nov. 20, 1951.

Screw products, Packaged. The Eagle Lock Company. 554,517, Feb. 5; Serial No. 608,269.

Serving trays, cookie sheets, and top of stove ovens. Mason Can Company. 554,500, Feb. 5; Serial No. 577,895.

Toilet bowls and tanks, urinals, etc. Mansfield Sanitary Pottery, Inc. 554,363, Feb. 5; Serial No. 581,273, published Nov. 20, 1951.

Toilet seat, Child's collapsible. H. Richards. 554,409, Feb. 5; Serial No. 601,233, published Nov. 20, 1951.

Toilet seats. Herculean Appliance Corporation. 554,503, Feb. 5; Serial No. 585,706.

Tubing, Metal, shaped tube lengths, etc. Bundy Tubing Company. 289,329, renewed Nov. 24, 1951. O. G. Feb. 5.

Valves. Rockwell Manufacturing Company. 554,357, Feb. 5; Serial No. 577,225, published Nov. 20, 1951.

Valves, Flow control, pipe fittings, dual unit valves, etc. Bell & Gossett Company. 554,429, Feb. 5; Serial No. 606,203, published Nov. 20, 1951.

Valves, Plug. Rockwell Manufacturing Company. 554,358, Feb. 5; Serial No. 577,226, published Nov. 20, 1951.

CLASS 14

Bearing alloys. Magnolia Metal Company. 292,998, renewed Apr. 5, 1952. O. G. Feb. 5.

Heat resistant iron and steel alloys. Aktiebolaget Kanthal. 288,571, renewed Nov. 3, 1951. O. G. Feb. 5.

Iron and steel blooms, billets, bars, etc. Joseph Sankey & Sons, Ltd. 80,086, Nov. 1, 1910. Republished Feb. 5.

Pig lead and lead alloys. Metals Refining Company. 323,616, Apr. 23, 1935. Republished Feb. 5.

Zinc coated ferrous base sheets and strip. National Steel Corporation. 414,613, June 19, 1945. Republished Feb. 5.

CLASS 15

Candles. Standard Oil Company. 177,894–5, Jan. 1, 1924. Republished Feb. 5.

Candles. Standard Oil Company. 179,749, Feb. 12, 1924. Republished Feb. 5.

Candles. Standard Oil Company. 196,872, Mar. 31, 1925. Republished Feb. 5.

Candles. Standard Oil Company. 197,047, Apr. 7, 1925. Republished Feb. 5.

Candles. Standard Oil Company. 197,065, Apr. 7, 1925. Republished Feb. 5.

Candles. Standard Oil Company. 199,786, June 16, 1925. Republished Feb. 5.

Candles. Standard Oil Company. 439,125, June 1, 1948. Republished Feb. 5.

Candles. Standard Oil Company. 439,131, June 1, 1948. Republished Feb. 5.

Candles. Standard Oil Company. 440,010, Aug. 3, 1948. Republished Feb. 5.

Candles and candle bases, paraffin wax, gasoline, etc. Standard Oil Company. 223,708, Feb. 8, 1927. Republished Feb. 5.

Cutting-oil. Standard Oil Company. 136,646, Nov. 2, 1920. Republished Feb. 5.

Cylinder-oil, engine-oil, and gas-engine oil. Standard Oil Company. 92,839, July 29, 1913. Republished Feb. 5.

Engine-oil, turbine-oil, transformer-oil, etc. Standard Oil Company. 91,522, May 6, 1913. Republished Feb. 5.

Gas-engine tractor-oil. Standard Oil Company. 95,169, Feb. 3, 1914. Republished Feb. 5.

Gasoline, candles, liquid paraffin, etc. Standard Oil Company. 168,756, May 29, 1923. Republished Feb. 5.

Gasoline, kerosene, and other liquid motor fuel. Independent Oil and Gas Company. 213,586, June 1, 1926. Republished Feb. 5.

Kerosene-oil. Standard Oil Company. 105,504, July 27, 1915. Republished Feb. 5.

Lubricants, Gun and reel. The Silicote Corporation. 554,447, Feb. 5; Serial No. 610,032, published Oct. 23, 1951.

Molybdenum disulphide used as a lubricant. Westinghouse Electric Corporation. 554,397, Feb. 5; Serial No. 583,458, published Oct. 16, 1951.

Naphtha. Standard Oil Company. 439,935, July 27, 1948. Republished Feb. 5.

Oil, Lubricating. Bodie-Hoover Petroleum Corporation. 554,317, Feb. 5; Serial No. 538,488, published Oct. 23, 1951.

Oil, Lubricating. Standard Oil Company. 439,934, July 27, 1948. Republished Feb. 5.

Oil, Motor. Sun Oil Company. 554,444, Feb. 5; Serial No. 609,888, published Oct. 23, 1951.

Oils and greases, Lubricating. Standard Oil Company. 287,741, Oct. 6, 1931. Republished Feb. 5.

Oils and greases, Lubricating. Standard Oil Company. 295,925, July 19, 1932. Republished Feb. 5.

Oils and greases, Rust preventing. Standard Oil Company. 286,188, Aug. 18, 1931. Republished Feb. 5.

Oils, Fuel. Standard Oil Company. 439,128, June 1, 1948. Republished Feb. 5.

Oils, Lubricating. Standard Oil Company. 128,177, Dec. 23, 1919. Republished Feb. 5.

Oils, Lubricating. Standard Oil Company. 219,365, Oct. 19, 1926. Republished Feb. 5.

Oils, Lubricating. Standard Oil Company. 248,399, Oct. 23, 1928. Republished Feb. 5.

Oils, Lubricating, Standard Oil Company. 434,832, Dec. 9, 1947. Republished Feb. 5.

Oils, Lubricating. Standard Oil Company. 439,127, June 1, 1948. Republished Feb. 5.

Oils, Lubricating. Standard Oil Company. 439,129, June 1, 1948. Republished Feb. 5.

Oils, Lubricating. Standard Oil Company. 439,936, July 27, 1948. Republished Feb. 5.

Oils, Lubricating. Standard Oil Company. 440,027–8, Aug. 3, 1948. Republished Feb. 5.

Oils, Lubricating. T. J. Yacenda. 554,453, Feb. 5; Serial No. 610,353, published Oct. 23, 1951.

Oils, Lubricating, oil compounds. Standard Oil Company. 321,906, Feb. 19, 1935. Republished Feb. 5.

Petroleum and products of petroleum; mineral wax, and candles. Standard Oil Company. 443,855, Mar. 21, 1950. Republished Feb. 5.

Petroleum wax. Standard Oil Company. 210,867, Mar. 23, 1926. Republished Feb. 5.

CLASS 16

High-boiling aromatic oils and their fractions, as ingredients in the manufacture of paints and varnishes. Standard Oil Company. 440,544, Sept. 14, 1948. Republished Feb. 5.

High-boiling aromatic oils and their fractions, used as solvents and thinners in oleo-resinous paints, varnishes, etc. Standard Oil Company. 440,951, Oct. 12, 1948. Republished Feb. 5.

Linseed oil, turpentine, paint and enamel coloring, etc. Western Auto Supply Company. 293,073, renewed Apr. 5, 1952. O. G. Feb. 5.

Paints. B. F. Davis. 293,736, May 3, 1932. Republished Feb. 5.

Paints and varnishes, Ready mixed. Ace Paint Products Co. 364,678, Feb. 14, 1939. Republished Feb. 5.
Varnish, Oil. McCloskey Varnish Co. 285,888, renewed Aug. 11, 1951. O. G. Feb. 5.

CLASS 18

Antibiotic preparation. White Laboratories, Inc. 554,483, Feb. 5; Serial No. 609,753, published Oct. 16, 1951.
Antiseptic compound. T. J. Holmes Co., Inc. 290,229, renewed Dec. 22, 1951. O. G. Feb. 5.
Chemical preparation. V. W. Bird. 554,345, Feb. 5; Serial No. 568,778, published Oct. 9, 1951.
Concentrated compound containing vitamins and antibiotics. Dawe's Products Company. 554,456, Feb. 5; Serial No. 610,417, published Oct. 16, 1951.
Fat-soluble vitamin-containing glyceride oils. Nopco Chemical Company. 554,431, Feb. 5; Serial No. 606,793, published Oct. 23, 1951.
Fly repellent and soothing wound dressing. American Turpentine & Tar Company, Ltd. 292,497, renewed Mar. 15, 1952. O. G. Feb. 5.
Granular effervescent salt for the cure of headache, nervousness, etc. I. E. Emerson. 16,599, May 21, 1889. Republished Feb. 5.
Herbal medicine. S. A. Palmer, Limited. 287,523, renewed Sept. 29, 1951. O. G. Feb. 5.
Laxative preparation. Ex-Lax Mfg. Co. 83,823, renewed Oct. 17, 1951. O. G. Feb. 5.
Liniment and salve. B. Flucker. 554,477, Feb. 5; Serial No. 608,865, published Oct. 23, 1951.
Medication for antiseptic purposes. Mon Docteur Importing Co., Inc. 272,464, July 8, 1930. Republished Feb. 5.
Medicinal liniment. Yellow Pine Medicine Company, Inc. 554,384, Feb. 5; Serial No. 598,231, published Oct. 23, 1951.
Medicinal preparation. Cerbini & Co. 554,387–8, Feb. 5; Serial Nos. 599,695–6, published Oct. 23, 1951.
Medicinal preparation. Hibden Brothers Medicine Co. 554,420, Feb. 5; Serial No. 603,683, published Oct. 23, 1951.
Medicinal preparation. The S. E. Massengill Company. 554,402, Feb. 5; Serial No. 587,879, published Oct. 23, 1951.
Medicinal preparation. The S. E. Massengill Company. 554,403, Feb. 5; Serial No. 587,898, published Oct. 23, 1951.
Medicinal preparation. McNeil Laboratories, Incorporated. 554,443, Feb. 5; Serial No. 608,825, published Oct. 23, 1951.
Medicinal preparation. The Upjohn Company. 554,422, Feb. 5; Serial No. 604,554, published Oct. 16, 1951.
Medicinal preparation. William R. Warner & Co., Inc. 292,819, renewed Mar. 29, 1952. O. G. Feb. 5.
Mineral oils for medicinal purposes, and insecticides. Standard Oil Company. 442,572, Apr. 26, 1949. Republished Feb. 5.
Mixture of dried aromatic leaves for use as an inhalator. M. Russell. 554,435, Feb. 5; Serial No. 608,020, published Oct. 23, 1951.
Pharmaceutical preparation. The S. E. Massengill Company. 554,364, Feb. 5; Serial No. 590,671, published Oct. 23, 1951.
Pharmaceutical preparation. The S. E. Massengill Company. 554,365, Feb. 5; Serial No. 590,688, published Oct. 23, 1951.
Vitamin preparations, Multiple. Wyeth Incorporated. 554,473, Feb. 5; Serial No. 614,601, published Dec. 4, 1951.

CLASS 19

Boats. Robbins Incubator Company. 554,498, Feb. 5; Serial No. 567,433.
Boats, Prefabricated. Roberts Industries, Incorporated. 554,512, Feb. 5; Serial No. 604,163.

CLASS 20

Hard surface floor and wall coverings of linoleum and linoleum substitutes. Sloane-Blabon Corporation. 554,373, Feb. 5; Serial No. 593,836, published Nov. 6, 1951.

CLASS 21

Air sterilizing machine, Electric. Aeroglide Corporation. 554,353, Feb. 5; Serial No. 574,605, published June 27, 1950.
Antennas, Built-in. Admiral Corporation. 554,399, Feb. 5; Serial No. 586,262, published July 3, 1951.
Batteries, Storage, and storage battery cases. Vitalic Battery Company, Inc. 554,426, Feb. 5; Serial No. 605,820, published Nov. 13, 1951.
Cables and insulation, Electrical. Crescent Insulated Wire & Cable Co. 554,474, Feb. 5; Serial No. 614,688, published Nov. 13, 1951.
Circuit control elements, Electrical. Ohmite Manufacturing Company. 554,414–15, Feb. 5; Serial Nos. 602,282–3, published Nov. 13, 1951.
Cords, plugs, sockets, and mechanic's light shields, Electric. Totem Distributing Co. 554,418, Feb. 5; Serial No. 603,465, published Nov. 13, 1951.
Distributors and parts thereof. Holley Carburetor Company. 554,356, Feb. 5; Serial No. 576,209, published Nov. 13, 1951.
Electric generating sets. Henry R. Jahn & Son, Inc. 554,515, Feb. 5; Serial No. 606,707.
Electric lighting apparatus. Schack's, Inc. 554,394, Feb. 5; Serial No. 581,831, published Oct. 30, 1951.
Electric vacuum sweepers. P. R. Karnes. 554,497, Feb. 5; Serial No. 566,708.
Electrical apparatus. John Meck Industries, Inc. 554,389, Feb. 5; Serial No. 599,714, published Nov. 6, 1951.
Electrical apparatus. Musicolor Inc. 554,466, Feb. 5; Serial No. 611,483, published Nov. 13, 1951.
Electrical resistors. Sprague Electric Company. 554,471, Feb. 5; Serial No. 613,790, published Nov. 13.
Equipment for use in electric protective signalling systems. The Protectowire Co. 554,325, Feb. 5; Serial No. 548,693, published Nov. 13, 1951.
Facsimile transmitting and receiving apparatus. The Hearst Corporation. 554,511, Feb. 5; Serial No. 600,049.
Flood-lights and spot-lights, Battery operated, battery operated warning lights. Electric Cord Company. 554,421, Feb. 5; Serial No. 604,147, published Nov. 13, 1951.
Gas filled cold cathode glow tubes. Northrop Aircraft Inc. 554,446, Feb. 5; Serial No. 609,984, published July 17, 1951.
Generators, Electric. Oil Well Supply Company. 554,428 Feb. 5; Serial No. 606,165, published Sept. 11, 1951. (Consolidated certificate, Classes 21 and 23.)
Iron rest, Electric. I. J. Kopel. 554,408, Feb. 5; Serial No. 590,163, published Nov. 13, 1951.
Liquefying machine, Electrical. E. Martony. 554,437, Feb. 5; Serial No. 608,171, published Nov. 13, 1951.
Motors, Electrical. The Brown-Brockmeyer Company. 554,362, Feb. 5; Serial No. 579,965, published Oct. 30, 1951.
Plug and switch units for motor controls. Sturdi-Bilt Steel Products, Inc. 554,513, Feb. 5; Serial No. 605,241.
Radio control panels, Aircraft cockpit. Bendix Aviation Corporation. 554,354, Feb. 5; Serial No. 574,814, published Nov. 13, 1951.
Radio receivers and alarm clocks, Combined. Garod Radio Corporation. 554,321, Feb. 5; Serial No. 546,093, published Nov. 13, 1951.
Radio receiving sets. Telanserphone, Incorporated. 554,499, Feb. 5; Serial No. 571,759.
Sealing tools, Electrically heated. Blanchard Electric Mfg. Co. 554,480, Feb. 5; Serial No. 609,530, published Oct. 30, 1951.
Sheet-metal transformer and dynamo plates. Joseph Sankey & Sons, Ltd. 79,791, Oct. 4, 1910. Republished Feb. 5.
Soldering irons, Electric. Mitchell Industries, Inc. 554,448, Feb. 5; Serial No. 610,133, published Nov. 13, 1951.
Transmitter, Electronic voice. Ferrar Radio & Television Corp. 554,410, Feb. 5; Serial No. 601,352, published Nov. 6, 1951.
Water or liquid conditioners employing electric current. Aqua Electric Scale Control Incorporated. 554,505, Feb. 5; Serial No. 585,822.

CLASS 22

Amusement apparatus. D. R. Ray. 554,361, Feb. 5; Serial No. 579,891, published Nov. 13, 1951.
Fishing rods, fishing reels, fishing plugs, etc. The Firelure Corporation. 554,407, Feb. 5; Serial No. 589,205, published Nov. 13, 1951.
Game. T. E. Braski. 554,383, Feb. 5; Serial No. 598,058, published Nov. 13, 1951.
Game, Board. Park & Shop, Inc. 554,472, Feb. 5; Serial No. 614,310, published Nov. 13, 1951.
Liquid bubble blowing compositions, plastic bubble blowing compositions, bubble blowing devices, etc. Chemical Sundries Co. 554,476, Feb. 5; Serial No. 616,762, published Nov. 13, 1951.
Playing card shufflers. Nestor Johnson Manufacturing Company. 554,516, Feb. 5; Serial No. 607,182.
Sporting goods and equipment. Marine Craft of America. 550,269, Oct. 30, 1951. Corrected. O. G. Feb. 5.
Toys. L. L. Cascio. 554,475, Feb. 5; Serial No. 616,081, published Nov. 13, 1951.
Wheels used for juvenile vehicles. B. M. C. Manufacturing Corp. 554,470, Feb. 5; Serial No. 613,698, published Nov. 13, 1951.

CLASS 23

Carbonators. L. H. M. Vineburgh. 554,347, Feb. 5; Serial No. 569,919, published Oct. 16, 1951.
Chain pulley blocks. Geo. W. King, Limited. 554,380, Feb. 5; Serial No. 597,341, published Nov. 6, 1951.
Cylinders, Pneumatic and hydraulic, belt and slat conveyors, etc. H. Ledeen. 554,379, Feb. 5; Serial No. 596,672, published Oct. 30, 1951.
Device for opening cans or like receptacles. N. P. Courtney. 312,713, May 8, 1934. Republished Feb. 5.
Fire extinguishers, Portable automatic sprinkler type. Fire Master Corporation. 554,331, Feb. 5; Serial No. 558,223, published Oct. 23, 1951.

Food comminuting machines. Globe Slicing Machine Co., Inc. 554,445, Feb. 5; Serial No. 609,922, published Nov. 13, 1951.
Food preparing machines. Globe Slicing Machine Co., Inc. 554,481, Feb. 5; Serial No. 609,592, published Nov. 13, 1951.
Grinders, Rock bit, pulverizers, hot millers, etc. The Mine and Smelter Supply Company. 554,413, Feb. 5; Serial No. 602,208, published Oct. 30, 1951.
Ink carrying surfaces and rollers for printing and graining., Ohio Roller Company. 554,508, Feb. 5; Serial No. 592,926.
Internal combustion engines. Oil Well Supply Company. 554,428, Feb. 5; Serial No. 606,166, published Oct. 16, 1951. (Consolidated certificate, Classes 21 and 23.)
Key cutting and key duplicating machinery. Kell Lock Co., Inc. 554,333, Feb. 5; Serial No. 559,519, published July 24, 1951.
Knives, spoons, forks, etc. Union Trading Company Ltd. 554,400, Feb. 5; Serial No. 586,379, published Oct. 16, 1951.
Lawn mowers, hand-operated lawn sweepers. Western Tool and Stamping Co. 554,386, Feb. 5; Serial No. 599,403, published Oct. 16, 1951.
Lime broadcasters, manure broadcasters, cultivators, etc. B. F. Avery & Sons Company. 554,416, Feb. 5; Serial No. 602,484, published Oct. 16, 1951.
Machines used for applying metal flat band strapping. General Strapping Corporation. 554,382, Feb. 5; Serial No. 598,012, published Aug. 8, 1950.
Motor mountings, nonmetallic rollers, flex joints. Arrowhead Rubber Co. 554,339, Feb. 5; Serial No. 565,221, published Oct. 23, 1951.
Plows and tractors and parts thereof. Hand and power operated garden. P. Hainke. 554,369, Feb. 5; Serial No. 591,677, published Nov. 6, 1951.
Pumps, and thermostatically controlled variable diameter pulleys, and V-pulleys. Webster Electric Company. 554,368, Feb. 5; Serial No. 591,390, published Nov. 6, 1951.
Pumps, Centrifugal. Logansport Machine Co., Inc. 554,344, Feb. 5; Serial No. 568,644, published Oct. 16, 1951.
Pumps, Coolant. Gilbert & Barker Manufacturing Company. 554,464, Feb. 5; Serial No. 611,269, published Oct. 23, 1951.
Pumps of all kinds and parts thereof, internal-combustion engines and parts thereof. Ralph B. Carter Company. 195,714, Mar. 3, 1925. Amended. O. G. Feb. 5.
Scissors and shears. H. Boker & Company, Inc. 554,425, Feb. 5; Serial No. 605,508, published Oct. 16, 1951.
Sets of carpenters' tools. Grey Iron Casting Company. 554,360, Feb. 5; Serial No. 578,972, published Nov. 13, 1951.
Spindles and parts thereof, Anti-friction. H & B American Machine Company. 554,432, Feb. 5; Serial No. 607,124, published Oct. 30, 1951.
Sprayer, Closure controlled automatic. Romac Industries. 554,487, Feb. 5; Serial No. 609,883, published Oct. 23, 1951.
Toilet bowl force cups and plumber friends. J. A. Sexauer Mfg. Co., Inc. 554,450, Feb. 5; Serial No. 610,148, published Nov. 6, 1951.
Tools. Wolfram & Molybdene Société Anonyme. 554,359, Feb. 5; Serial No. 577,851, published June 5, 1951.
Vehicle lift. Monroe Auto Equipment Company. 554,335, Feb. 5; Serial No. 563,076, published Oct. 30, 1951.
Wrenches, pliers, nail pullers, etc. Crescent Tool Company. 554,467, Feb. 5; Serial No. 611,561, published Nov. 6, 1951.

CLASS 24

Laundry washing machines. Horton Manufacturing Company. 292,796, renewed Mar. 29, 1952. O. G. Feb. 5.

CLASS 25

Latches, Safety. Radiator Specialty Company. 554,518, Feb. 5; Serial No. 612,178.

CLASS 26

Cameras and parts thereof and accessories thereto, etc. International Projector Corporation. 287,315, Sept. 22, 1931. Republished Feb. 5.
Meters. Neptune Meter Company. 281,675, Mar. 24, 1931. Corrected. O. G. Feb. 5.
Optical frames, mountings and parts thereof, and lenses and blanks therefor. Chaffin Optical Co., Inc. 554,509, Feb. 5; Serial No. 593,398.
Precision drawing instruments and parts thereof. Kern & Co. Ltd. 554,510, Feb. 5; Serial No. 596,730.
Sensitized printing paper. B.K. Elliott Company. 288,193, renewed Oct. 20, 1951. O. G. Feb. 5.

CLASS 27

Watches and clocks. Bulova Watch Company, Inc. 290,932, renewed Jan. 19, 1952. O. G. Feb. 5.
Watches, Wrist or strap. Bulova Watch Company, Inc. 290,379–80, renewed Jan. 5, 1952. O. G. Feb. 5.
Watches, Wrist or strap. Bulova Watch Company, Inc. 290,534, renewed Jan. 5, 1952. O. G. Feb. 5.

CLASS 32

Back and seat rest, Portable foam rubber combination. Bonded Foam Latex Company, Inc. 554,371, Feb. 5; Serial No. 592,695, published Nov. 13, 1951.
Cabinets, Bath room. The Philip Carey Manufacturing Company. 554,329, Feb. 5; Serial No. 556,285, published Nov. 6, 1951.
Cabinets, Combination filing and storage. Goldsmith Bros. 554,391, Feb. 5; Serial No. 600,263, published Nov. 13, 1951.
Cabinets, Empty radio, empty phonograph cabinets, and bureau drawers. Hawley Products Company. 554,395, Feb. 5; Serial No. 582,428, published Nov. 13, 1951.
Chairs, Folding. Lorraine Novelty Manufacturing Company, Incorporated. 554,423, Feb. 5; Serial No. 604,977, published Nov. 6, 1951.
China closets, buffets, serving tables, etc. Factors To You Furniture Corporation. 554,350, Feb. 5; Serial No. 572,169, published Nov. 13, 1951.
Clothes rack, hat rack, and shoe rack, Collapsible combination. S. S. Gould. 554,367, Feb. 5; Serial No. 591,292, published Nov. 13, 1951.
Desks and tables, Classroom. American Seating Company. 554,482, Feb. 5; Serial No. 609,711, published Nov. 13, 1951.
Dressers, vanity dressers, men's chests, etc. Jamestown Table Company. 554,366, Feb. 5; Serial No. 591,168, published Nov. 13, 1951.
Furniture. Sandhill Furniture Corporation. 554,355, Feb. 5; Serial No. 575,440, published Oct. 16, 1951.
Furniture slip covers. National Puff Company. 554,427, Feb. 5; Serial No. 605,966, published Nov. 6, 1951.
Gliders. The Hettrick Manufacturing Company. 554,485–6, Feb. 5; Serial Nos. 609,859–60, published Nov. 13, 1951.
Mirrors, Front surface, rear surface mirrors, and transparent mirrors. Libbey-Owens-Ford Glass Company. 554,411, Feb. 5; Serial No. 602,040, published Nov. 6, 1951.
Mirrors, Make-up. R. A. Ferguson. 554,352, Feb. 5; Serial No. 572,964, published Oct. 30, 1951.
Pillows. The L. Buchman Co. Incorporated. 554,376, Feb. 5; Serial No. 595,491, published Nov. 13, 1951.
Pillows. Sleep Pure Company. 554,392, Feb. 5; Serial No. 600,310, published Nov. 13, 1951.
Shelving supports, Steel. S. A. Hirsh Manufacturing Co. 554,337, Feb. 5; Serial No. 564,199, published Nov. 13, 1951.
Tables and folding chairs and benches. The Brewer-Titchener Corporation. 554,336, Feb. 5; Serial No. 563,721, published Nov. 13, 1951.

CLASS 36

Gramophone records, Mechanically grooved. The Decca Record Company Limited. 554,332, Feb. 5; Serial No. 558,871, published Nov. 13, 1951.
Musical instruments. Schulmerich Electronics, Incorporated. 554,351, Feb. 5; Serial No. 572,456, published Nov. 13, 1951.
Phonograph needles, Metal, and phonograph styli. Pfanstiehl Chemical Company. 554,327, Feb. 5; Serial No. 550,549, published Oct. 30, 1951.
Phonograph needles, phonograph pick-up needles, and sound boxes. J. Stead & Company Limited. 554,349, Feb. 5; Serial No. 571,060, published Oct. 30, 1951.
Phonograph records, Mechanically grooved. Decca Records, Inc. 554,315, Feb. 5; Serial No. 536,740, published Nov. 13, 1951.
Saxophone-supporting neck straps and musical instrument swabs. H. & A. Selmer, Incorporated. 554,320, Feb. 5; Serial No. 543,228, published Nov. 13, 1951.

CLASS 37

Paper, Mimeograph. Blake, Moffitt & Towne. 292,461, renewed Mar. 15, 1952. O. G. Feb. 5.
Pencils, Lead, crayons, pencil leads, etc. Eagle Pencil Company. 290,856, renewed Jan. 19, 1952. O. G. Feb. 5.

CLASS 38

Newspaper. Signal Publishing Corporation. 288,025, renewed Oct. 20, 1951. O. G. Feb. 5.
Pamphlets. The Philadelphia and Reading Coal and Iron Company. 554,442, Feb. 5; Serial No. 608,218, published Nov. 13, 1951.
Printed literature, Completely. The Washington Planograph Company, Inc. 287,959, renewed Oct. 20, 1951. O. G. Feb. 5.
Publication, Daily. Triumph Distributing Co. Inc. 282,726, renewed Apr. 28, 1951. O. G. Feb. 5.
Publication, Monthly. Izaak Walton League of America, Inc. 277,478, Nov. 11, 1930. Republished Feb. 5.

CLASS 39

Blouses, Women's and misses'. Alper Blouse Co. Inc. 554,460–2, Feb. 5; Serial Nos. 610,947–9, published Nov. 6, 1951.
Brassières and corsets. Cetra Foundations Inc. 554,459, Feb. 5; Serial No. 610,888, published Nov. 6, 1951.
Brassières, girdles, corselets, and foundation garments. Even-Pul Foundations, Inc. 554,375, Feb. 5; Serial No. 595,457, published Nov. 13, 1951.

Dresses, Ladies'. Terry Hill, Inc. 554,393, Feb. 5; Serial No. 600,958, published Nov. 13, 1951.
Dresses, slacks, outer shorts, etc., Ladies' and misses'. Jamison Classics, Inc. 554,433, Feb. 5; Serial No. 607,129, published Nov. 13, 1951.
Dresses, suits, coats, etc., Girls', young women's, and women's. Lane Bryant Inc. 554,441, Feb. 5; Serial No. 608,710, published Nov. 6, 1951.
Hats and caps. Champ Hats, Inc. 554,396, Feb. 5; Serial No. 582,817, published Oct. 24, 1950.
Hats, Men's. Adam Hat Stores, Inc. 288,674, renewed Nov. 3, 1951. O. G. Feb. 5.
Hosiery. Duet Hosiery Corp. 554,405, Feb. 5; Serial No. 588,753, published Nov. 7, 1950.
Hosiery. Hoover Hosiery Company. 287,800, renewed Oct. 13, 1951. O. G. Feb. 5.
Hosiery. M. K. M. Hosiery Mills, Inc. 554,323, Feb. 5; Serial No. 547,019, published July 26, 1949.
Hosiery. Rollins Hosiery Mills, Inc. 319,286, Nov. 20, 1934. Corrected. O. G. Feb. 5.
Hosiery and underwear, Men's, women's, and children's. Gus Edelstein Bro. & Co. 264,756, Dec. 3, 1929. Amended. O. G. Feb. 5.
Hosiery, Ladies'. Acclaim Hosiery Mills, Inc. 554,434, Feb. 5; Serial No. 607,613, published Oct. 23, 1951.
Hosiery, Men's, women's, and children's. Pilot Full Fashion Mills, Inc. 554,417, Feb. 5; Serial No. 602,968, published Oct. 23, 1951.
Hosiery, sweaters, bathing suits, etc. Askin Brothers Company, Inc. 554,398, Feb. 5; Serial No. 584,309, published Oct. 23, 1951.
Hosiery. The Textile Mills Corporation. 291,647, renewed Feb. 23, 1952. O. G. Feb. 5.
Hosiery, Women's. Berkshire Knitting Mills. 554,378, Feb. 5; Serial No. 596,554, published Oct. 23, 1951.
Shoes, boots, sandals, slippers. Wellco Shoe Corporation. 554,346, Feb. 5; Serial No. 568,818, published Oct. 23, 1951.
Shoes, Women's and children's. Strawbridge & Clothier. 287,535, renewed Sept. 29, 1951. O. G. Feb. 5.
Slips and undergarments, Women's, misses', and children's. Singing Needles, Inc. 554,468, Feb. 5; Serial No. 611,814, published Nov. 6, 1951.
Socks, hosiery, and mittens, Athletic. Portage Hosiery Company. 367,379, May 16, 1939. Republished Feb. 5.
Socks, Men's. G. Hastings & Co. Limited. 554,370, Feb. 5; Serial No. 592,566, published Oct. 23, 1951.
Underwear, Children's. Thomas Dalby Company. 287,848, renewed Oct. 13, 1951. O. G. Feb. 5.
Underwear, stockings, and socks. Petersen & Dekke A/S. 554,424, Feb. 5; Serial No. 605,262, published Nov. 6, 1951.
Wearing apparel for men and boys. Empeco Merchandise Co., Inc. 554,326, Feb. 5; Serial No. 550,131, published Apr. 25, 1950.
Wearing apparel, Men's, women's, boys' and girls'. Welch, Margetson & Co. Ltd. 444,654, Feb. 5; Serial No. 496,117, published Dec. 12, 1950.

CLASS 42

Piece goods, Linen and hemp. The Gourock Ropework Company Limited. 84,957, re-renewed Jan. 6, 1952. O. G. Feb. 5.
Piece goods, Woolen. American Woolen Company. 293,155, renewed Apr. 12, 1952. O. G. Feb. 5.
Piece goods, Woolen. The Farnsworth Company. 274,895, renewed Sept. 9, 1950. O. G. Feb. 5.

CLASS 43

Yarn. Lily Mills Company. 554,439, Feb. 5; Serial No. 608,556, published Nov. 13, 1951.
Yarns and threads. Algemeene Kunstzijde Unie N. V. 554,404, Feb. 5; Serial No. 587,923, published Nov. 6, 1951.
Yarns and threads, Synthetic. Algemeene Kunstzijde Unie N. V. 554,406, Feb. 5; Serial No. 588,837, published Nov. 6, 1951.

CLASS 44

Artificial limbs. J. E. Hanger, Inc. 289,717, Dec. 1, 1931. Republished Feb. 5.
Plaster of calcined gypsum for making casts and moulds for dental purposes. Certain-teed Products Corporation 292,473, renewed Mar. 15, 1952. O. G. Feb. 5.
Vaginal douches. United States Rubber Company. 288,982, renewed Nov. 10, 1951. O. G. Feb. 5.

CLASS 46

Candies, All kinds of. The Nunnally Company. 287,172, renewed Sept. 15, 1951. O. G. Feb. 5.
Candies, Hard. The O. P. Baur Confectionery Company. 554,328, Feb. 5; Serial No. 550,891, published Oct. 23, 1951.
Candy. Euclid Candy Company of California, Inc. 554,316, Feb. 5; Serial No. 537,302, published Nov. 6, 1951.
Canned fish. The French Sardine Company of California. 554,381, Feb. 5; Serial No. 597,520, published Nov. 13, 1951.
Canned food. Société Anonyme Petitjean, Gay & Cie. 554,496, Feb. 5; Serial No. 563,435.
Canned frozen fresh deciduous fruits. Pacific Grape Products Company. 554,313, Feb. 5; Serial No. 513,680, published Oct. 30, 1951.
Chicken, Packaged cooked. The Flying Chicken. 439,183, June 8, 1948. Republished Feb. 5.
Feed, Stock. Feeders' Supply Company. 84,951, re-renewed Jan. 16, 1952. O. G. Feb. 5.
Fish paste; fish products, etc. G. Viviano, Inc. 287,022, renewed Sept. 8, 1951. O. G. Feb. 5.
Flour, Wheat, and prepared biscuit mixes. Mayflower Mills. 554,385, Feb. 5; Serial No. 598,425, published Nov. 13, 1951.
Flour, Wheat, corn meal, dairy feed, etc. Shankel Mill Company, Incorporated. 554,314, Feb. 5; Serial No. 534,379, published Nov. 6, 1951.
Food, Dog and cat. Coast Fishing Co. 288,208, renewed Oct. 20, 1951. O. G. Feb. 5.
Fresh vegetables. H. P. Garin Co. 291,842, renewed Feb. 23, 1952. O. G. Feb. 5.
Fruits, Fresh citrus. Fillmore Citrus Association. 292,757, renewed March 29, 1952. O. G. Feb. 5.
Fruits, Fresh citrus. Naranjo Packing House Company. 554,318, Feb. 5; Serial No. 540,439, published Nov 6, 1951.
Grapes, Fresh. Blaine-Roper Co. 554,390, Feb. 5; Serial No. 600,161, published Nov. 13, 1951.
Hams, Cooked and pork shoulder picnics. William Davies Co., Inc. 554,324, Feb. 5; Serial No. 547,623, published Nov. 13, 1951.
Packages containing candy and a toy. Comics Novelty Candy Corp. 554,436, Feb. 5; Serial No. 608,104, published Nov. 13, 1951.
Perfumed lozenges. Thos. Kerfoot & Co. 37,298, re-renewed Nov. 12, 1951. O. G. Feb. 5.
Rice. Seaboard Rice Milling Co. 86,093, re-renewed Apr. 9, 1952. O. G. Feb. 5.
Salad dressing, food seasoning powder, cocktail sauce, etc. J. Losero. 554,506, Feb. 5; Serial No. 589,978.
Salt, Table. Michigan Salt Company. 554,312, Feb. 5; Serial No. 508,541, published Nov. 13, 1951.
Shortening, Vegetable. Swift and Company. 290,059, renewed Dec. 22, 1951. O. G. Feb. 5.
Spareribs, Prepared and barbecued. H. J. Hirschenfeld. 341,567, Dec. 15, 1936. New certificate. O. G. Feb. 5.

CLASS 50

Closure caps for various containers. Double Duty Products, Inc. 395,555, June 2, 1942. Republished Feb. 5.

CLASS 51

Antiseptics; cosmetics. Johnson & Johnson. 554,342, Feb. 5; Serial No. 568,628, published Oct. 30, 1951.
Antiseptics; cosmetics. Johnson & Johnson. 554,343, Feb. 5; Serial No. 568,631, published Oct. 30, 1951.
Astringents, astringent cerates, bleach creams, etc. Vadsco Sales Corporation. 291,109, renewed Jan. 26, 1952. O. G. Feb. 5.
Astringents, astringent cerates, bleach creams, etc. V. Vivandou, Inc. 292,869, renewed Mar. 29, 1952. O. G. Feb. 5.
Bleaching peroxide, nail polish remover, brilliantine, etc. G. Barr and Company. 554,377, Feb. 5; Serial No. 595,934, published Oct. 30, 1951.
Cologne, Dry, face powder, lipstick, and hand lotion. Consolidated Cosmetics. 554,451, Feb. 5; Serial No. 610,164, published Oct. 30, 1951.
Compacts containing powder. Alfred Dunhill of London, Inc. 554,374, Feb. 5; Serial No. 594,634, published Oct. 30, 1951.
Cosmetic preparations and toilet preparations. Aktiebolaget Hässle, Apotekare Paul Nordströms Fabriker. 554,412, Feb. 5; Serial No. 602,078, published Oct. 23, 1951.
Cream deodorant. The Pharma-Craft Corporation. 554,440, Feb. 5; Serial No. 608,621, published Oct. 9, 1951.
Hair pomade. G. R. White. 554,330, Feb. 5; Serial No. 558,089, published Oct. 9, 1951.
Hair waving solutions. Rilling Company. 554,438, Feb. 5; Serial No. 608,222, published Oct. 9, 1951.
Perfumes, colognes, essences, and aromatic chemicals used as bases for cosmetics and toilet preparations. Florasynth Laboratories, Incorporated. 554,484, Feb. 5; Serial No. 609,853, published Oct. 30, 1951.
Soft wave retaining preparation. Liquinet Corporation. 554,454, Feb. 5; Serial No. 610,368, published Oct. 30, 1951.
Tooth and denture powder. A. L. McDonald. 554,430, Feb. 5; Serial No. 606,559, published Oct. 30, 1951.

CLASS 52

Cleaning and polishing oil. Standard Oil Company. 121,016, Mar. 19, 1918. Republished Feb. 5.
Compositions comprising soluble soaps. The Baker Castor Oil Company. 554,401, Feb. 5; Serial No. 586,564, published Nov. 13, 1951.
Dry cleaning fluid. Standard Oil Company. 218,776, Oct. 5, 1926. Republished Feb. 5.

Harness oils, belt dressings, metal polish, or gloss, etc. Standard Oil Company. 444,047, June 20, 1950. Republished Feb. 5.
Hydrocarbon cleaning fluid. Standard Oil Company. 253,627, Mar. 5, 1929. Republished Feb. 5.
Package or kit containing soap and tissue wipers. S. & J. W. Maussenet. 554,504, Feb. 5; Serial No. 585,803.
Soap, Bar. Catalina Island Soap Corporation. 554,338, Feb. 5; Serial No. 564,236, published Nov. 13, 1951.
Soap, Toilet. Consolidated Cosmetics. 554,452, Feb. 5; Serial No. 610,165, published Nov. 13, 1951.
Toilet bowl cleaner. Schaeffer Mfg. Co. 554,449, Feb. 5; Serial No. 610,147, published Nov. 13, 1951.

CLASS 102

Distribution of hospital care on a prepayment financing basis. American Hospital Association. 554,488, Feb. 5; Serial No. 536,214, published Feb. 21, 1950.
Distribution of hospital care on a prepayment financing basis. American Hospital Association. 554,492, Feb. 5; Serial No. 549,601, published Feb. 21, 1950.

CLASS 103

Erection and maintenance of master television antennas. Television Maintenance Master Antenna Division, Inc. 554,494, Feb. 5; Serial No. 600,556, published Nov. 13, 1951.

CLASS 106

Custom molding of plastics. Amerpro Machine Products, Inc. 554,491, Feb. 5; Serial No. 549,207, published Nov. 13, 1951.
Dyeing hosiery. Crest Dye Works, Inc. 554,519, Feb. 5; Serial No. 577,710.
Engineering, designing and the custom molding of products. Imperial Molded Products Corporation. 554,489–90, Feb. 5; Serial Nos. 539,058–9, published Nov. 13, 1951.
Photographic services. School Photo Service, Inc. 554,493, Feb. 5; Serial No. 555,567, published Nov. 13, 1951.
Pre-boarding, boarding and dyeing hosiery. Colorcraft Dye-Finishing Works, Inc. 554,520, Feb. 5; Serial No. 586,522.

LIST OF PLANT PATENTEES

Raffel, Frank C., Stockton, Calif. Hybrid tea rose plant. 1,071, Feb. 5.

LIST OF DESIGN PATENTEES

Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Radio cabinet. 165,814, Feb. 5.
Admiral Corporation, assignee: *See*—
Adler, Samuel E.
Agee, Charles W.: *See*—
Solomon, Ralph E., Shelton, and Agee.
Allen, Ruth B., Elizabeth, N. J. Child's diaper suit or similar article. 165,815, Feb. 5.
Aluminum Goods Manufacturing Company, assignee: *See*—
Jagemann, Nicholas B.
Alwell, Murry, New York, N. Y. Dress. 165,816, Feb. 5.
Armbrust Chain Company, assignee: *See*—
Jager, Christian F.
Bargen, William J., Waukegan, Ill. Bookholder. 165,817, Feb. 5.
Betner, Thomas E., Wayne, Pa. Coaster. 165,818, Feb. 5.
Bliss, Charles O., Los Angeles, Calif. Cracker tray. 165,819, Feb. 5.
Blumenthal, Alexander E., Pittsburgh, Pa. Lamp. 165,820, Feb. 5.
Bolta Products Sales, Inc., assignee: *See*—
Hogan, Daniel E., Jr.
Brahm, Johannes, Los Angeles, Calif. Combined bowl and cover. 165,821, Feb. 5.
Brown & Bigelow, assignee: *See*—
Reiner, Donald A.
Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Atomizer. 165,822, Feb. 5.
Casselberry, Wm. S., assignee: *See*—
Mytinger, Lee S.
Cencer, Peter F., and F. Whiteman, assignors to F. M. Gidion, Detroit, Mich. Sewing machine. 165,823, Feb. 5.
Collins, Oswald W., Jacksonville, Fla. Juice dispenser. 165,824, Feb. 5.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Sugar bowl. 165,825, Feb. 5.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Cover for sugar bowl. 165,826, Feb. 5.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Cream pitcher. 165,827, Feb. 5.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Tea pot. 165,828, Feb. 5.
Dorr, Robert, Jr., Beverly Hills, Calif., assignor, by mesne assignments, to International Furniture Company. Swivel table. 165,829, Feb. 5.
Dworkin, Louis H., Philadelphia, Pa. Combination cooky jar and bank. 165,830, Feb. 5.
Etkin, Simon, New York, N. Y. Jacket. 165,831, Feb. 5.
Fostoria Glass Company, assignee: *See*—
Sakier, George.
Franklin, Burton, Toledo, Ohio, assignor, by mesne assignments, to Tropic-Aire, Inc., Chicago, Ill. Electric fan. 165,832, Feb. 5.
Gaither, Cicero C., assignor of one-half to R. G. Pugh, Birmingham, Ala. Utility dresser. 165,833, Feb. 5.
Gardner, Charles N., Suitland, Md. Cup. 165,834, Feb. 5.
Gidion, Frank M., assignee: *See*—
Cencer, Peter F., and Whiteman.
Glass, Henry P., Chicago, Ill., assignor to Goshen Manufacturing Company, Goshen, Ind. Lawn seat. 165,835, Feb. 5.
Goshen Manufacturing Company, assignee: *See*—
Glass, Henry P.
Gressitt, Tillman J., Monkton, assignor to Hedwin Corporation, Baltimore, Md. Plastic coaster. 165,836, Feb. 5.
Hanson, Arnold E., Evanston, Ill. Spray and polishing head or similar article. 165,837, Feb. 5.
Hedwin Corporation, assignee: *See*—
Gressitt, Tillman J.
Shewell, George F.
Higginson, George J., Bronxville, N. Y., assignor to Johnson Bros. (Hanley) Limited, Hanley, Stoke-on-Trent, England. Plate or similar article. 165,838, Feb. 5.
Hill, Don R., deceased, Warren, Ohio; M. H. Hill, executrix of said D. R. Hill. Combined air motor and hydraulic pump. 165,839, Feb. 5.
Hill, Martha H., executrix: *See*—
Hill, Don R.
Hogan, Daniel E., Jr., Andover, assignor to Bolta Products Sales, Inc., Lawrence, Mass. Quilted plastic film material or the like. 165,840, Feb. 5.
Hogan, Daniel E., Jr., Andover, assignor to Bolta Products Sales, Inc., Lawrence, Mass. Quilted plastic film material or the like. 165,841, Feb. 5.
Holz, Nathan, Long Island City, N. Y. Medal. 165,842, Feb. 5.
Hooven, Florence S., executrix: *See*—
Hooven, Howard D.
Hooven, Howard D., deceased, Doylestown, Pa., by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,843, Feb. 5.
Hooven, Howard D., deceased, Doylestown, Pa., by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,844, Feb. 5.
Hughes, George E., Columbus, assignor to Surface Combustion Corporation, Toledo, Ohio. Unit heater. 165,845, Feb. 5.
International Furniture Company, assignee: *See*—
Dorr, Robert, Jr.
Jacoby-Bender, Inc., assignee: *See*—
Rodriguez, Emil.
Jagemann, Nicholas B., assignor to Aluminum Goods Manufacturing Company, Manitowoc, Wis. Percolator top. 165,846, Feb. 5.
Jager, Chrisitian F., Cranston, R. I., assignor to Armbrust Chain Company. Ornamental chain. 165,847, Feb. 5.
Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Food mixer or the like. 165,848, Feb. 5.
Johnson Bros. (Hanley) Limited, assignee: *See*—
Higginson, George J.
Jordan, Rush, Dillon, Mont. Drafting template. 165,849, Feb. 5.
Kandarian, Samuel M., Fowler, Calif. Toilet paper holder. 165,850, Feb. 5.
Kansas City Products Company, assignee: *See*—
Potts, Russell A.
Kaufman, Sarah, New York, N. Y. Brassière. 165,851, Feb. 5.
King-Seeley Corporation, assignee: *See*—
Sivacek, Emil E.
Knapp-Monarch Company, assignee: *See*—
McCarron, Donald F.
Lewis, Earl, Philadelphia, Pa. Combined ash tray and writing instrument. 165,852, Feb. 5.
Lydon, Matthias A., Des Plaines, Ill. Child's chair. 165,853, Feb. 5.
Man-Sew Corporation, assignee: *See*—
Sigoda, Merton A.
McCarron, Donald F., assignor to Knapp-Monarch Company, St. Louis, Mo. Circulator fan or similar device. 165,854, Feb. 5.
Miller, Beatrice L., Cleveland, and G. Parker, Alliance, assignors to Royal China Inc., Sebring, Ohio. Plate or the like. 165,855, Feb. 5.
Mytinger, Lee S., assignor of one-half to W. S. Casselberry, Long Beach, Calif. Transparent capsule and tablet pocket carrier. 165,856, Feb. 5.
Nelson, Carlton L., East Aurora, N. Y., assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Saucer or similar article. 165,857, Feb. 5.
Nelson, Carlton L., East Aurora, N. Y., assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Cup or similar article. 165,858, Feb. 5.
Nemes, Stephen, Chicago, Ill. Photograph frame. 165,859, Feb. 5.
Onondaga Pottery Company, assignee: *See*—
Cowan, R. Guy.
Orvedahl, Roy E., Minneapolis, Minn. Photograph album. 165,860, Feb. 5.
Ox Fibre Brush Company, Inc., assignee: *See*—
Partridge, Melvin H.
Paige, Richard E., New York, N. Y. Merchandise receptacle. 165,861, Feb. 5.
Parker, Gordon: *See*—
Miller, Beatrice L., and Parker.
Partridge, Melvin H., assignor to Ox Fibre Brush Company, Inc., Frederick, Md. Brush. 165,862, Feb. 5.
Paulson, Thomas V., Fallbrook, Calif. Goggle or similar article. 165,863, Feb. 5.
Peters, Mary W., Boulder, Colo. Child's bassock. 165,864, Feb. 5.

Potts, Russell A., Wichita, Kans., assignor to Kansas City Products Compnay, Kansas City, Mo. Front for underwater goggles. 165,865, Feb. 5.
Pugh, R. Glenn, assignee: *See*— Gaither, Cicero C.
Quaker Lace Company, assignee: *See*— Hooven, Howard D.
Rathke, Clark E., Seattle, Wash. Combined milk cooler and stand. 165,866, Feb. 5.
Rauff, Benjamin H., Brooklyn, N. Y. Safety razor. 165,867, Feb. 5.
Redlin Productions, Inc., assignee: *See*— Redlin, William A.
Redlin, William A., Encino, assignor to Redlin Productions, Inc., Los Angeles, Calif. Mask for disguise or the like. 165,868, Feb. 5.
Refrigeration Engineering, Inc., assignee: *See*— Wile, Daniel D.
Reiner, Donald A., Minneapolis, assignor to Brown & Bigelow, St. Paul, Minn. Kitchen tongs. 165,869, Feb. 5.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 165,870, Feb. 5.
Roth, Irving, New York, N. Y. Dress. 165,871, Feb. 5.
Royal China Inc., assignee: *See*— Miller, Beatrice L., and Parker.
Royce, Sherry, New York, N. Y. Panties or similar article. 165,872, Feb. 5.
Rudd, George, assignor to The Walker China Company, Bedford, Ohio. Plate or similar article. 165,873, Feb. 5.
Russell, Linus E., Springfield, Ohio. Exhaust deflector. 165,874, Feb. 5.
Sakler, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Tumbler. 165,875, Feb. 5.
Sakler, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Cup. 165,876, Feb. 5.
Samuel Stamping & Enameling Company, assignee: *See*— Solomon, Ralph E., Shelton, and Agee.
Scace, Steven E., Cicero, Ill., assignor to Speedway Manufacturing Company. Rubbing machine. 165,877, Feb. 5.
Schottland, Archibald H., Butler, Pa. Grilled glass panel. 165,878, Feb. 5.
Shelton, Roy: *See*— Solomon, Ralph E., Shelton, and Agee.
Shewell, George F., assignor to Hedwin Corporation, Baltimore, Md. Embossed plastic table mat. 165,879, Feb. 5.
Sigoda, Merton A., Brooklyn, assignor to Man-Sew Corporation, New York, N. Y. Casing for strip material feeder for attachment to sewing machines or the like. 165,880, Feb. 5.
Sivacek, Emil E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Electric corn popper. 165,881, Feb. 5.
Solomon, Mortimer, New York, N. Y. Bathing suit. 165,882, Feb. 5.
Solomon, Ralph E., R. Shelton, and C. W. Agee, assignors to Samuel Stamping & Enameling Company, Chattanooga, Tenn. Gas burner. 165,883, Feb. 5.
Spanel, Abraham N., Princeton, N. J. Holder for hair cutter or the like. 165,884, Feb. 5.
Speedway Manufacturing Company, assignee: *See*— Scace, Steven E.
Sunbeam Corporation, assignee: *See*— Jepson, Ivar.
Surface Combustion Corporation, assignee: *See*— Hughes, George E.
Taylor, William E., Long Beach, Calif. Supporting rack for a vacuum coffee-maker upper bowl. 165,885, Feb. 5.
Thompson, Roland B., Lincoln, Nebr. Necktie rack. 165,886, Feb. 5.
Troccoli, Frank, assignor to Waco Products, Inc., Chicago, Ill. Luggage rack or similar article. 165,887, Feb. 5.
Tropic-Aire, Inc., assignee: *See*— Franklin, Burton.
Truesdale, Eddie P., Rock Hill, S. C. Game board. 165,888, Feb. 5.
Turnbull, Frederick M., assignee: *See*— Brown, Frank E.
Waco Products, Inc., assignee: *See*— Troccoli, Frank.
Waite Carpet Company, assignee: *See*— Waite, Stanley E.
Waite, Stanley E., assignor to Waite Carpet Company, Oshkosh, Wis. Woven screen or similar article. 165,889, Feb. 5.
Walker China Company, The, assignee: *See*— Rudd, George.
Wanamaker, John, Philadelphia, assignee: *See*— Nelson, Carlton L.
Weissman, Carl, Bronx, N. Y. Combination jewelry display tray and tissue paper container. 165,890, Feb. 5.
Whiteman, Fred: *See*— Cencer, Peter F., and Whiteman.
Wile, Daniel D., Whittier, assignor to Refrigeration Engineering, Inc., Los Angeles, Calif. Air cooler. 165,891, Feb. 5.
Zimmerman, Nettie, Los Angeles, Calif. Dinner plate or similar article. 165,892, Feb. 5.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF FEBRUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A/B Svenska Maskinverken, assignee: *See*— Dalin, David.
Aasland, John L., Moline, Ill., assignor to International Harvester Company. Snapping roll with mating spiral rubber ribs. 2,584,180, Feb. 5.
Abbott, Abbott: *See*— Abbott, Alfred and Abbott.
Abbott, Alfred and Abbott Abbott, Albany, N. Y. Spray gun. 2,584,178, Feb. 5.
Ablett, Charles A., King's Lynn, England. Roller thrust bearing. 2,584,652, Feb. 5.
Abuey, William G., Drexel, Mo., assignor of forty per cent to S. J. Hruska, Paola, Kans. Adjustable tractor wheel mounting. 2,584,410, Feb. 5.
Acro Manufacturing Co., The, assignee: *See*— Jacobs, Philip C., Jr.
Acumuladores Vulcania S. A., assignee: *See*— Viarengo, João P.
Adams, Dennis A. W., and G. Fawthrop, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Pyrazolopyridines. 2,584,314, Feb. 5.
Adams, Stephen J., Swoyersville Borough, Luzerne County, assignor of one-half to A. J. Kane, Wilkes-Barre, Pa. Adjustable cardholder support. 2,584,179, Feb. 5.
Adolfson, George S., Jersey City, N. J. Clearance indicating arm. 2,584,777, Feb. 5.
Aeberhard, Rudolf, Bern, Switzerland. Indicating device for periodical measurings. 2,584,778, Feb. 5.
Agnew, Robert J., Pawling, assignor to The Texas Company, New York, N. Y. Polyester copolymers. 2,584,315, Feb. 5.
Agnew, Robert J., Pawling, assignor to The Texas Company, New York, N. Y. Copolymers of diallyl endomethylene tetrahydrophthalate and an unsaturated mixed polyester. 2,584,316, Feb. 5.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*— Beckel, Arthur C., and Cowan. Daul, George C., and Reid. Morris, Herman J.
Airtoys, Inc., assignee: *See*— Butler, Joseph E.
Aitken, Ian M. E., Banstead, England. Mixing machine. 2,584,525, Feb. 5.
Ajinomoto Kabushiki Kaisha, assignee: *See*— Ogawa, Tetsuwo.
Albertoli, John, San Francisco, Calif. Positioner for hemispherical fruit halves. 2,584,526, Feb. 5.
Albisetti, Charles J., Jr., and N. G. Fisher, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Unsaturated dicarboxylic acids and esters and their preparation. 2,584,527, Feb. 5.
Alden, Carroll R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Heater for moving electrolytes. 2,584,654, Feb. 5.
Alexander, Harry S., assignor to Keystone View Company, Meadville, Pa. Device for supporting transparent stereoscopic slides. 2,584,245, Feb. 5.
Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of alkaline earth metal hydrides and use thereof in reducing refractory oxides. 2,584,411, Feb. 5.
Alexander, Robert H., Warren, Pa., assignor to Sylvania Electric Products Inc. Socket contact of spring wire. 2,584,528, Feb. 5.
Alginate Industries Limited, assignee: *See*— Speakman, John B., Chamberlain, and Dorkin.
Aller, Claës B., Copenhagen, Denmark. Producing bimetallic printing forms. 2,584,317, Feb. 5.
Allen, Howard G., Niagara Falls, N. Y., assignor to Savannah Sugar Refining Corporation, Savannah, Ga. Packaging machine. 2,584,529, Feb. 5.
Allis-Chalmers Manufacturing Company, assignee: *See*— Newhouse, Ray C.
Allyn, Charles S., Jr., assignor to The National Cash Register Company, Dayton, Ohio. Marking member containing magnetized material. 2,584,318, Feb. 5.
Alpert, Daniel, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Window construction. 2,584,653, Feb. 5.
Alpert, Daniel, East Pittsburgh, S. Krasik and T. D. Holstein, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Forming a cavity resonator. 2,584,717, Feb. 5.
American Brake Shoe Company, assignee: *See*— Dalrymple, William P.
American Can Company, assignee: *See*— Pechy, William.
American Cyanamid Company, assignee: *See*— Boothe, James H. Wohnsiedler, Henry P., Kropa, and Thomas.
American Optical Company, assignee: *See*— Moulton, Harold R., and Tillyer. Splaine, Edward M.
American Steel Foundries, assignee: *See*— Tack, Carl E.
American Telephone and Telegraph Company, assignee: *See*— Perry, Donald B.
American Time Products, Inc., assignee: *See*— Dostal, Frank.
American Tool Works Company, The, assignee: *See*— Hoelscher, William G.
American Viscose Corporation, assignee: *See*— Pearson, Frank G.
American Zinc, Lead & Smelting Company, assignee: *See*— MacIntire, Walter H.
Amo, Claude J., Ogdensburg, N. Y. Combination lock. 2,584,655, Feb. 5.
Anchor Brake Corporation, assignee: *See*— Stocker, Alfred E.
Anderson, Boyd C., St. Marys, Ohio. Fishnet. 2,584,530, Feb. 5.
Anderson, Carl H., Minneapolis, Minn. Toilet accessory for house pets. 2,584,656, Feb. 5.
Anderson, Emitt S., and A. B. Haley, Kenora, Ontario, Canada, assignors to Minnesota and Ontario Paper Company, Minneapolis, Minn. Pulp screen flow pipe. 2,584,247, Feb. 5.
Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Percussion tool. 2,584,246, Feb. 5.
Anderson, Roger, Seattle, Wash. Occipital patient supporting device. 2,584,412, Feb. 5.
Appel, William G., Chicago, Ill. Key for musical instruments. 2,584,319, Feb. 5.
Arcidiacono, Peter, Maplewood, N. J., assignor, by mesne assignments, to Harvel Research Corporation. Coated base, the coating being in macrocrystalline form and composed of normally solid film forming material and trioxane. 2,584,657, Feb. 5.
Armenti, James, Maplewood, N. J. Bobbin winder. 2,584,320, Feb. 5.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*— Lloyd, William R., and Sotres.
Army, United States of America as represented by the Secretary of the, assignee: *See*— Bartlett, Paul D., and McKusick. Maresca, Peter T.
Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Paperboard partitioned article carrier. 2,584,658, Feb. 5.
Arnold, Herrick R., Wilmington, and J. E. Carnahan, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal molybdite catalyzed hydrogenation process. 2,584,531, Feb. 5.
Arvey Corporation, assignee: *See*— Decker, Charles A., and Scaturro.
Ashton Brothers & Company Limited, assignee: *See*— Smallshaw, Francis E.
Aske, Irving E., Muskegon, Mich. Solution mixer and distributor. 2,584,104, Feb. 5.
Atlas Imperial Diesel Engine Co., assignee: *See*— Waters, Laurence W.
Atlas Manufacturing and Sales Company, The, assignee: *See*— Jenkins, Wallace A.
Audemar, Pierre G. J. M., La Garenne-Colombes, and P. L. J. Gerard, assignors to Olaer-Marine, Paris, France. Hydraulic transmission system for reproducing rotary movements at a distance. 2,584,659, Feb. 5.
Auer, Edmund: *See*— Fonken, William A., and Auer.
Auer, Louis J., Berkley, Mich. Forming tool. 2,584,321, Feb. 5.
Auto-Go, Incorporated, assignee: *See*— Lindenmuth, Henry W.
Automatic Electric Laboratories, Inc., assignee: *See*— Kessler, Frank.
Automatic Equipment Manufacturing Company, assignee: *See*— McIntosh, Harold J.
Avco Manufacturing Corporation, assignee: *See*— Reid, John D.

Averns, Harry M., Allesley, Coventry, and J. Straw, Longford, Coventry, assignors to Courtaulds Limited, London, England. Production of threads of thermoplastic cellulose derivatives. 2,584,779, Feb. 5.

Ayerst, McKenna & Harrison Limited, assignee: *See*— Stevenson, William G., and MacKinnon.

Babcock & Wilcox Company, The, assignee: *See*— Elrod, Harold G., Jr.

Baer, Maurice E., Boston, and L. E. Concannon, Waban, Mass., said Baer assignor to said Concannon. Cleaning and polishing composition. 2,584,413, Feb. 5.

Bagur, Pierre E., New Orleans, La. Miniature cotton bale receptacle. 2,584,414, Feb. 5.

Bailey, Arnold B., Scotch Plains, N. J. Modulation system. 2,584,532, Feb. 5.

Bailey, James, West Hartford, assignor to Plax Corporation, Hartford, Conn. Crossover homogenizing apparatus. 2,584,827, Feb. 5.

Baker, David B., Kennewick, Wash. Pressure equalizing valve. 2,584,533, Feb. 5.

Baker, Perkins, Inc., assignee: *See*— Riordan, Albert O.

Baldwin, Arthur N.: *See*— Baldwin, Henry J., A. N., and Mihara.

Baldwin, Henry J., and A. N., and T. Mihara, Paia, assignors to Maui Pineapple Company, Ltd., Honolulu, Territory of Hawaii. Mechanized seed distributor. 2,584,322, Feb. 5.

Ballou, B. A., & Co., Incorporated, assignee: *See*— Ballou, Frederick A., Jr.

Ballou, Frederick A., Jr., Providence, R. I., assignor to B. A. Ballou & Co., Incorporated. Button back. 2,584,828, Feb. 5.

Bancroft, George H., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Vacuum coating process and apparatus therefor. 2,584,660, Feb. 5.

Barleau, Robert E., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Recovery of sulfur compounds from petroleum. 2,584,248, Feb. 5.

Barker, Frank, and W. E. Dean, Conway, Wash. Spray nozzle. 2,584,661, Feb. 5.

Barnes, James F., Chicago, Ill. Hand mirror and supporting handle. 2,584,829, Feb. 5.

Barnett, John W., Detroit, Mich. Punch and die set. 2,584,415, Feb. 5.

Barnhardtson, George E., North Providence, R. I. Drop hammer safety device. 2,584,534, Feb. 5.

Bartlett, Paul D., Weston, Mass., and B. C. McKusick, Wilmington, Del., assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,584,105, Feb. 5.

Bascom, Henry M., New York, N. Y., assignor to Stromberg-Carlson Company, Telephone substation equipment with variable antisidetone circuit. 2,584,830, Feb. 5.

Bashara, Samuel F., Houston, Tex. Cushion for foot pedals. 2,584,831, Feb. 5.

Batchelder, George E., Pittsburgh, Pa., and W. E. Macnell, Dorchester, Mass., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Timer. 2,584,106, Feb. 5.

Bauman, William C., Harward, Calif. Antiglare housing for head lamps. 2,584,181, Feb. 5.

Baxter, James G., and H. M. Kascher, assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Concentration of vitamin A esters. 2,584,662, Feb. 5.

Beam, James R., assignor to Universal-Rundle Corporation, New Castle, Pa. Lavatory hanger. 2,584,107, Feb. 5.

Beam, Jon, Blue Ridge, Ga., assignor to Universal Oil Products Company, Chicago, Ill. Flow control of particles in fluidized processing. 2,584,378, Feb. 5.

Beard, Joseph G., Haddonfield, and N. J. Oman, Merchantville, N. J., assignors to Radio Corporation of America. Frequency control circuit. 2,584,780, Feb. 5.

Beardsell, Wallace A., East Natick, and W. H. Hay, Beverly, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Liquid distributing device. 2,584,960, Feb. 5.

Beaton & Cadwell Mfg. Co., Inc., The, assignee: *See*— Work, Erich W.

Beatty, Brook, Kansas City, Mo. Bracket and holder for inverted container of bulk material with means for dispensing measured quantities of said material. 2,584,781, Feb. 5.

Bechtold, Robert H.: *See*— Rees, Frank X., and Bechtold.

Beck, Derwood A., Seville, and E. A. Eddy, Massillon, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Jet-propelled airplane with jettisonable wing-tip fuel tanks. 2,584,961, Feb. 5.

Beckel, Arthur C., and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Continuous recycling of an alcoholic oil solvent in oil extraction. 2,584,108, Feb. 5.

Beckemeier, George W. P.: *See*— Murphy, John E., Beckemeier, and Couture.

Becker, Stephen P.: *See*— Schoonmaker, Raymond B., Becker, and Wongen.

Beckman, August H., Sciota, Pa. Guard or protector for poultry service utensils. 2,584,782, Feb. 5.

Beech-Nut Packing Company, assignee: *See*— Morrison, Laurence B.

Behensky, Charles: *See*— Spiegel, Lawrence, Behensky, and Druck.

Belamin, Michael, Nuremberg, assignor to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. System for reducing contact arcing in synchronous switching apparatus. 2,584,535, Feb. 5.

Bell & Howell Company, assignee: *See*— Good, Paul J.

Bell Telephone Laboratories, Incorporated, assignee: *See*— Davis, Richard C., Fogarty, and Rippere.

Belt, Augustus H., Bloomington, Ill. Making hamburgers. 2,584,536, Feb. 5.

Bendix Aviation Corporation, assignee: *See*— Beringer, George E. Konet, Henry.

Benfield, John D., Detroit, Mich. Pipe and tubing bender. 2,584,537, Jan. 5.

Bensen, Igor B., Schenectady, N. Y., assignor to General Electric Company. Variable warp airfoil. 2,584,663, Feb. 5.

Berg, O. Magnus, Houston, Tex. Snatch block. 2,584,783, Feb. 5.

Beringer, George E., assignor to Bendix Aviation Corporation, South Bend, Ind. Making a trunnion for aircraft landing gear. 2,584,832, Feb. 5.

Bernstein, Joseph R., Chicago, Ill. Shoe spike. 2,584,182, Feb. 5.

Berry Asphalt Company, assignee: *See*— Pullar, Harold B.

Berry, Norton E., Newburgh, Ind., assignor to Servel, Inc., New York, N. Y. Solution preheater for absorption refrigeration systems. 2,584,250, Feb. 5.

Berterottiere, René, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Multicellular velocity-modulated tube. 2,584,323, Feb. 5.

Bethlehem Steel Company, assignee: *See*— Hayward, Carle R. Richards, Ward F. Worthen, Eugene P., and Fox.

Beucler, Marcel, Paris, France. Laundry machine. 2,584,833, Feb. 5.

Bevins, F. W. & H. J., Limited, assignee: *See*— Bevins, Frank W. and H. J.

Bevins, Frank W. and H. J., assignors to F. W. & H. J. Bevins Limited, Leicester, England. Turndown collar. 2,584,834, Feb. 5.

Bevins, Herbert J.: *See*— Bevins, Frank W. and H. J.

Bidaud, Auguste F., Serezin-du-Rhone, and L. Ceyzeriat, Lyon, assignors to Societe Des Usines Chimiques Rhone-Poulenc, Paris, France. Preparation of stable alkyl polysiloxane resins. 2,584,835, Feb. 5.

Birmingham Small Arms Company Limited, The, assignee: *See*— Roll, Herman J. W.

Biswell, Charles B., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Salts of 1-salicylalaminoguanidine. 2,584,784, Feb. 5.

Blackburn, Andrew R., and R. E. Steele, Columbus, Ohio, assignors to Ram, Inc., Detroit, Mich. Mold and molding ceramic ware. 2,584,109, Feb. 5.

Blackburn, Andrew R., and R. E. Steele, Columbus, Ohio, assignors to Ram, Inc., Detroit, Mich. Mold for pottery ware. 2,584,110, Feb. 5.

Blomquist, Alfred T., and R. D. Spencer, Ithaca, N. Y. Synthesis of many-membered cyclic ketones. 2,584,664, Feb. 5.

Bloom, Gertrude and I., New York, N. Y., assignors to Gluv-Gard Mfg. Co., Inc. Glove holder. 2,584,251, Feb. 5.

Bloom, Israel: *See*— Bloom, Gertrude and I.

Bluestein, Ben A., Schenectady, N. Y., assignor to General Electric Company. Pyridylchlorosilanes. 2,584,665, Feb. 5.

Blumauer, Ernst, assignor to L. A. Polzer, Graz, Styria, Austria. Bottle attachment device for use in preparing sparkling beverages. 2,584,183, Feb. 5.

Blumensaadt, Svend G., Beachwood Village, assignor to The Universal Wire Spring Company, Cleveland, Ohio. Transfer device. 2,584,836, Feb. 5.

Bobenmyer, Corson E., assignee: *See*— McOmber, Loren W.

Bockrath, George E., Long Beach, Calif. Aircraft gust alleviating control means. 2,584,666, Feb. 5.

Bockrath, George E., Long Beach, Calif. Gust alleviating control means for airplanes. 2,584,667, Feb. 5.

Boehringer, Samuel J., Milwaukee, Wis. Dipper. 2,584,416, Feb. 5.

Bookhultz, Donald H., and G. E. Zweifel, assignors to George E. Zweifel & Company, Portland, Oreg. Hydraulic resaw setwork. 2,584,837, Feb. 5.

Boothe, James H., Pearl River, assignor to American Cyanamid Company, New York, N. Y. 6 and 7-bromomethyl pteridines and preparing same. 2,584,538, Feb. 5.

Borck, Charles C.: *See*— Sachs, Hans W., and Borck.

Bordenca, Carl, and W. A. Lazier, Birmingham, Ala., assignors to Food Machinery and Chemical Corporation. Reaction of limonene with carbon monoxide and hydrogen. 2,584,539, Feb. 5.

Borg-Warner Corporation, assignee: *See*— Hannum, John A. Kelbel, Donald W.

Botvin, Irving E., and T. Torman, Providence, R. I. Colostomy pouch. 2,584,540, Feb. 5.

Bourgeois, Valrie E., Baton Rouge, La., assignor to Standard Oil Development Company. Packing gland. 2,584,252, Feb. 5.

Bousky, Samuel, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America. Ceramic dielectric materials and making. 2,584,324, Feb. 5.

Bowen, Bertram E. V., and J. Howlett, Tonbridge, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Purification of alcohols. 2,584,325, Feb. 5.

Bowman, John R., Pittsburgh, and M. T. Cichelli, Forest Hills, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Process and apparatus for separation of mixtures. 2,584,785, Feb. 5.

Bowser, Inc., assignee: *See*— Harvuot, Frank B. Marvel, Harvey E.

Boyd, J. Aubrey, assignee: *See*— Murrell, Ernest B.

Boyle, Robert S., assignor to The Cube Drawer Corporation, Akron, Ohio. Freezing tray. 2,584,838, Feb. 5.

Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Mixing valve. 2,584,417, Feb. 5.

Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Constant flow valve. 2,584,418, Feb. 5.

Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Thermostatically actuated pilot operated valve. 2,584,419, Feb. 5.

Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Mixing valve. 2,584,420, Feb. 5.

Braun, Moodie E., Sr., assignor of thirty-three and one-third per cent to S. Braun, Phoenix, Ariz., and thirty-three and one-third per cent to R. T. Fickett. Three-dimensional sign letter. 2,584,253, Feb. 5.

Braun, Suzanne, assignee: *See*— Braun, Moodie E., Sr.

Brenchley, George S., and S. Gorwitz, Oshkosh, Wis. Automatic slide projector. 2,584,421, Feb. 5.

Brenner, Ray A., and M. J. Planeaux, assignors, by mesne assignments, to New Castle Products, Inc., New Castle, Ind. Foldable closure. 2,584,111, Feb. 5.

Brett, Robert J.: *See*— Woznuk, Edward A., and Brett.

Brobeck, William M., Berkeley, Calif. Variable-speed transmission. 2,584,541, Feb. 5.

Brodbeck, Caroline M., Bridgeport, Conn. Ornament. 2,584,254, Feb. 5.

Brown, Alexander R., Portage la Prairie, Manitoba, Canada. Merchandising and display stand. 2,584,255, Feb. 5.

Brown, Eugene H. C.: *See*— Capstack, Eugene J., and Brown.

Brown, Gerald G.: *See*— Cardwell, Harland W., Brown, and Hobbs.

Brown, Herbert C., West Lafayette, Ind., assignor to Standard Oil Company, Chicago, Ill. Organic phosphines. 2,584,112, Feb. 5.

Brown, Herman E., Owensboro, Ky. Platform rocking chair. 2,584,184, Feb. 5.

Brown, John H., Jr., Sands Point, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Apparatus for making tubular paper containers. 2,584,542, Feb. 5.

Brown, Luther E., Greggton, Tex. Sprinkler hose holder. 2,584,543, Feb. 5.

Brown, Oren G., Seattle, Wash. Roller type ratchet structure. 2,584,256, Feb. 5.

Brown, Percy A., Quantico, Va. Eyelash curler. 2,584,668, Feb. 5.

Brunton, Donald A.: *See*— Hoover, Paul L., and Brunton.

Bryant, Joseph A., Lehigh, Iowa. Tile forming machine. 2,584,669, Feb. 5.

Buc, Saul R.: *See*— Randall, David I., and Buc.

Buckley, Jay S., Jr., Groton, Conn., assignor to Chas. Pfizer & Co., Inc. Decreasing fluorescence of synthetic caffeine. 2,584,839, Feb. 5.

Buckman, Edward A., Los Angeles, and T. F. Morson, San Diego, Calif.; said Buckman assignor to said Morson. Multiple rate valve. 2,584,422, Feb. 5.

Buerosse, Henry P.: *See*— Huebl, Clarence G., and Buerosse.

Bunnell, Raymond H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Organo-silicon compounds. 2,584,544, Feb. 5.

Burch, James R.: *See*— Jarvis, Samuel F., and Burch.

Burghoff, Louis R., Forestville, assignor to The E. Ingraham Company, Bristol, Conn. Providing timepieces with spiral-helix hairsprings. 2,584,786, Feb. 5.

Burns, William E.: *See*— Swenson, James A., Burns, and Stead.

Burris, John C., Mission, Tex. Display device. 2,584,840, Feb. 5.

Butler, Joseph E., assignor to Airtoys, Inc., Bethesda, Md. Educational apparatus for simulating the operation of aircraft. 2,584,113, Feb. 5.

Caferro, Edward M., assignor to Columbia Electric and Manufacturing Company, Spokane, Wash. Manipulator for starter plugs. 2,584,545, Feb. 5.

Cahill, Arthur T., Weehawken, N. J., and L. V. Merrill, Brooklyn, N. Y. Light-beam projecting means for projecting pictures, floodlighting, spotlighting, etc. 2,584,546, Feb. 5.

Cahn, Benjamin, Paris, France. Hair tweezers with automatic traction. 2,584,547, Feb. 5.

Cain, Robert M., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Automatic phonograph. 2,584,257, Feb. 5.

California Packing Corporation, assignee: *See*— Morine, Charles V.

California Research Corporation, assignee: *See*— Barleau, Robert E.

Calissi, Paul C., Darby, Pa. Lamp construction having column switching means. 2,584,548, Feb. 5.

Campbell, Shirley P., assignor to The Coleman Company, Inc., Wichita, Kans. Stack draft booster and control device for combustion apparatus. 2,584,326, Feb. 5.

Caprez, Hans, and E. Kruse, assignors to Landis & Gyr, A. G., Zug, Switzerland. Object of pressed or sprayed material fitted with a sign. 2,584,841, Feb. 5.

Capstack, Eugene J., and E. H. C. Brown, Louisville, assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky. Sorting apparatus. 2,584,327, Feb. 5.

Carbary, Richard J., Erie, Pa., assignor to General Electric Company. Drip tray assembly. 2,584,670, Feb. 5.

Cardwell, Harland W., G. G. Brown, and E. V. Hobbs, assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans. Spudder attachment. 2,584,328, Feb. 5.

Cardwell Manufacturing Company, Inc., assignee: *See*— Cardwell, Harland W., Brown, and Hobbs.

Carhart, Arthur H., Denver, Colo. Deer call. 2,584,549, Feb. 5.

Carnahan, James E.: *See*— Arnold, Herrick R., and Carnahan.

Carnes, Samuel J., Camden, Ark. Casting mechanism. 2,584,550, Feb. 5.

Casaroli, Eugene A., trustee, assignee: *See*— Crane, Neil.

Case, J. I., Company, assignee: *See*— Heth Sherman C.

Caster, William F., West St. Paul, Minn., assignor to B. E. Siegel. Mattress handle. 2,584,842, Feb. 5.

Castle, Ell N., South Orange, N. J. Collapsible sheet metal bottle carrier. 2,584,787, Feb. 5.

Cate, Paul E.: *See*— Giesler, Jean V., and Cate.

Cator, Frederick L., Olton, and F. W. Thorpe, Birmingham, England, assignors to General Electric Company. Electric lighting fitting having the lamp and control elements therefor removable as a unit. 2,584,671, Feb. 5.

Celanese Corporation of America, assignee: *See*— Plungian, Mark, and Riley. Pool, William.

Černý, Jaroslav, Dolni Kralovice, Czechoslovakia. Fountain pen. 2,584,843, Feb. 5.

Ceyzeriat, Louis: *See*— Bidaud, Auguste F., and Ceyzeriat.

Chamberlain, Norman H.: *See*— Speakman, John B., Chamberlain, and Dorkin.

Chambers, Herbert I., and L. B. Ehrlich, Toledo, Ohio. Filtering apparatus. 2,584,551, Feb. 5.

Chance, A. B., Company, assignee: *See*— Hubbard, David C.

Chelf, Clarence C.: *See*— Moffitt, Ralph C., and Chelf.

Cheney, Leslie W., North Attleboro, Mass., assignor to Swank, Inc. Ornament mounting device. 2,584,185, Feb. 5.

Chicago Carton Company, assignee: *See*— Watson, Nathan J., and Roche.

Chicago Hardware Foundry Company, The, assignee: *See*— Oliver, Conrad J., and Kupski.

Chmielewski, Catherine A., Trenton, N. J. Pie plate. 2,584,379, Feb. 5.

Christensen, Leo M., Lincoln, Nebr., and L. A. Underkofler, Ames, Iowa. Processing of grains for the production of alcohol. 2,584,258, Feb. 5.

Chrysler Corporation, assignee: *See*— Janeway, Robert N. Syrovy, Augustin J., Dunn, and Iavelli.

Cich, Albert J., assignor to Elrae Pressed Metals, Inc., Buffalo, N. Y. Chain guard. 2,584,788, Feb. 5.

Cichelli, Mario T.: *See*— Bowman, John R., and Cichelli.

Ciciva, John H., Hohokus, N. J. Clamp and pin tenter clip. 2,584,553, Feb. 5.

Clapper, Clyde E., Kansas City, Mo. Hot-air deflector for tractors. 2,584,329, Feb. 5.

Clardige Food Co. Inc., assignee: *See*— Hoffman, Julian, and Gruff.

Clark, James T., assignee: *See*—
Ginter, John R.

Clark, Lloyd K., Owego, assignor to International Business Machines Corporation, New York, N. Y. Automatic clamping device. 2,584,789, Feb. 5.

Clausen, Heriberto E. G. J., assignee: *See*—
Fabia, Manuel A. G., and Clausen.

Clay Products Association, assignee: *See*—
Keck, George F.

Clayton, Everett H. W., Long Island City, N. Y. Multipurpose rhythm device. 2,584,554, Feb. 5.

Cleave, Edgar S., Chigwell, and D. R. Trowbridge, Hornchurch, assignors to The Plessey Company Limited, Ilford, England. Speed control means for gas turbines used as starting turbines. 2,584,555, Feb. 5.

Cleaver-Brooks Company, assignee: *See*—
Loebel, Frederick A.

Clemons, Everett B., Columbus, Ohio. Differential steering mechanism for vehicles. 2,584,672, Feb. 5.

Coca-Cola Bottling Works Co., The, assignee: *See*—
Kanaval, Stephen W.

Coda Electric Corporation, assignee: *See*—
Cole, Robert M.

Cole, Robert M., assignor to Coda Electric Corporation, Tigard, Oreg. Delayed-action switch. 2,584,673, Feb. 5.

Coleman Company, Inc., The, assignee: *See*—
Campbell, Shirley P.
Giwosky, Harry L.

Collison, William J., Pasadena, Calif. Garbage disposal and sink soil fitting. 2,584,423, Feb. 5.

Columbia Electric and Manufacturing Company, assignee: *See*—
Caferro, Edward M.

Columbia Records Inc., assignee: *See*—
MacDonald, James R.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Skelly, John S.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Berterottiere, René.
Lecuir, René.

Concannon, Leo E.: *See*—
Baer, Maurice E., and Concannon.

Conmar Products Corporation, assignee: *See*—
Jones, Lester L.

Conn, C. G., Ltd., assignee: *See*—
Long, Thomas H.

Constable, James M., Ozone Park, N. Y. Geiger tube radiation meter. 2,584,844, Feb. 5.

Container Corporation of America, assignee: *See*—
Foster, Thomas W.

Cooper, Charles P., Chelmsford, and G. E. Williamson-Noble, London, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Switching circuit. 2,584,790, Feb. 5.

Cornell Machine Company, The, assignee: *See*—
Cornell, Mead.

Cornell, Mead, assignor to The Cornell Machine Company, Cleveland, Ohio. Method and apparatus for treating fluid materials. 2,584,424, Feb. 5.

Coss, Ezekiel, Brooklyn, N. Y. Clothesline support. 2,584,186, Feb. 5.

Courtaulds Limited, assignee: *See*—
Averns, Harry M., and Straw.

Cousins, Sydne, Long Beach, N. Y. Diaphragm control slip. 2,584,556, Feb. 5.

Couture, Edward C.: *See*—
Murphy, John E., Beckemeier, and Couture.

Cowan, John C.: *See*—
Beckel, Arthur C., and Cowan.

Cox, Robert H., Modesto, Calif. Irrigation signal. 2,584,425, Feb. 5.

Craig, Ernest, Lakefield, Ontario, Canada. Percussion rock drill. 2,584,330, Feb. 5.

Craig, Ernest, Lakefield, Ontario, Canada. Rotary percussion drill. 2,584,331, Feb. 5.

Crane, Neil, assignor to Eugene A. Casaroll, Detroit, Mich., as trustee. Variable delivery vane-type hydraulic pump. 2,584,426, Feb. 5.

Crane, Robert, Jr., Chappaqua, and G. R. Gamertsfelder, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Interoffice telephone system. 2,584,259, Feb. 5.

Craston, John L., Malvern, England. Sealing glass to sapphire. 2,584,427, Feb. 5.

Crawley, Charles H., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Pipe fitting. 2,584,845, Feb. 5.

Crist, Jack W., Beachwood, N. J. Electric stove with portable grill. 2,584,187, Feb. 5.

Crooker, Robert M., and G. J. Heisig, assignors to Motorola, Inc., Chicago, Ill. Video amplifier having variable gain and variable band width. 2,584,332, Feb. 5.

Cross, Ralph E., Grosse Pointe Shores, Mich. Hydraulic cylinder construction and mounting arrangement. 2,584,428, Feb. 5.

Crot, André, North Hollywood, Calif. Fruit press. 2,584,333, Feb. 5.

Croxall, Willard J., Bryn Athyn, Pa., and J. W. Dawson, Huntsville, Ala., assignors to Rohm & Haas Company, Philadelphia, Pa. 1,1-diphenyl-4-tert.-amino-2-butyne-1-ols. 2,584,429, Feb. 5.

Cube Drawer Corporation, The, assignee: *See*—
Boyle, Robert S.

Cuccia, Carmen L., Princeton, N. J., assignor to Radio Corporation of America. Cathode for magnetrons. 2,584,791, Feb. 5.

Cunningham, James, Son & Company, assignee: *See*—
De Mato, Samuel P.

Curtis Automotive Devices, Inc., assignee: *See*
Curtis, Russell R.

Curtis, Russell R., assignor, by mesne assignments, to Curtis Automotive Devices, Inc., Dayton, Ohio. Drain valve. 2,584,188, Feb. 5.

Curtiss-Wright Corporation, assignee: *See*
Galliers, Marshall W.

Cushman Chuck Company, The, assignee: *See*—
Sloan, Harry E.

Cusic, John W., Skokie, and A. L. Raymond, Northfield, assignors to G. D. Searle & Co., Skokie, Ill. Trihaloethyl esters of dibasic aliphatic acids and the production thereof. 2,584,846, Feb. 5.

Custer, Carl M., Cincinnati, Ohio. Quoit. 2,584,260, Feb. 5.

Cuthbertson, Willis E., Plymouth, Ind. Adjustably secured tray for motor vehicles. 2,584,557, Feb. 5.

Da Costa, Bartholomew, Sunnyside, N. Y. Recapturing useful fuel from the exhaust gases of internal-combustion engines. 2,584,674, Feb. 5.

Da Costa, Harry, Sharesbrook, assignor to The Plessey Company Limited, Ilford, England. Intermittent drive mechanism. 2,584,558, Feb. 5.

Da Fano, Ettore, Raritan, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Diphenyl and phenyl orthosilicates. 2,584,334, Feb. 5.

Dahl, George W., Barrington, R. I., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass. Automatically operated valve with continuously connected handwheel. 2,584,847, Feb. 5.

Dahly, Haj W., Chicago, Ill. Parallel thrust drive. 2,584,335, Feb. 5.

Dalin, David, Stenkullen, Ronninge, assignor to A/B Svenska Maskinverken, Sodertalje, Sweden. Making extended surface heat exchangers. 2,584,189, Feb. 5.

Dalrymple, William P., Rochester, assignor to American Brake Shoe Company, New York, N. Y. Reel. 2,584,559, Feb. 5.

Dangerfield, George W., Mount Holly, S. C. Plow for leveling ballast of railway tracks. 2,584,675, Feb. 5.

Danly, George I.: *See*—
Danly, Philo H., G. I., and Georgeff.

Danly Machine Specialties, Inc., assignee: *See*—
Danly, Philo H., G. I., and Georgeff.
Georgeff, Vasil.

Danly, Philo H., Hinsdale, G. I. Danly, Elmhurst, and V. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Air-cooled press brake and clutch assembly. 2,584,190, Feb. 5.

Danly, Philo H., Hinsdale, G. I. Danly, Elmhurst, and V. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Brake assembly for presses. 2,584,191, Feb. 5.

Danly, Philo H., Hinsdale, G. I. Danly, Elmhurst, and V. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Fluid pressure released brake. 2,584,192, Feb. 5.

Darche, Albert A. A., Bondy, France. Cooling explosion engines. 2,584,560, Feb. 5.

Daul, George C., and J. D. Reid, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Making partially carboxymethylated or phosphorylated cellulosic fibrous materials crease resistant and dye resistant. 2,584,114, Feb. 5.

Daum, Harold, New York, N. Y., and D. L. Rugen, Bound Brook, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Adhesive applying means for coating the flaps of cartons. 2,584,848, Feb. 5.

Davis, Richard C., Great Neck, N. Y., E. J. Fogarty, Rutherford, N. J., and R. O. Rippere, Massapequa, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground trainer for aircraft crew. 2,584,261, Feb. 5.

Dawant, A., assignee: *See*—
Elias, Kurt.

Dawson, John W.: *See*—
Croxall, Willard J., and Dawson.

Dayton, Ervis B., and A. P. Swem, Indianapolis, Ind. Fishhook holder. 2,584,430, Feb. 5.

Dean, Walter E.: *See*—
Barker, Frank, and Dean.

Deane, Cecil F., Wichita, Kans. Depth gauge for drill presses. 2,584,676, Feb. 5.

Dearsley, Irwin E., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Expansible wall receptacle. 2,584,431, Feb. 5.

Decker, Charles A., and P. S. Scaturro, Jersey City, N. J., assignors to Arvey Corporation, Chicago, Ill. Collapsible step display stand. 2,584,849, Feb. 5.

Deen, Levi, Alma, Ga. Mattress carrier and support. 2,584,792, Feb. 5.

De Lamater, Boyd E., Sr., Cincinnati, Ohio. Rotary cutter. 2,584,262, Feb. 5.

Delaplane, Raymond C., Denver, Colo. Water control roller for offset. 2,584,380, Feb. 5.

Delman Corporation, The, assignee: *See*—
Neufeld, Leonard C.

De Marco, Joseph C., St. Paul, Minn. Combined beach bag and sunshade. 2,584,432, Feb. 5.

De Mato, Samuel P., assignor to James Cunningham, Son & Company, Rochester, N. Y. Gear member. 2,584,793, Feb. 5.

De Mers, Edward F., Urbana, Ill., assignor to Stromberg-Carlson Company. Frequency- and voltage-stabilized oscillator. 2,584,850, Feb. 5.

Denham Manufacturing Company, assignee: *See*—
Manting, Jack F.

Denny, Oscar W., Greensboro, N. C. Auxiliary steering device for toy vehicles. 2,584,561, Feb. 5.

Den Outer, Marius, Rotterdam, Netherlands. Alphabetic index system. 2,584,193, Feb. 5.

De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Lamp socket for elongated tubular lamps. 2,584,677, Feb. 5.

De Ruiz, Josephine H., assignee: *See*—
Healy, John A.

Dewey, Ray T., Watonga, Okla. Bait casting device. 2,584,678, Feb. 5.

Diepen, Frederick R., San Jose, Calif. Optical pliers. 2,584,433, Feb. 5.

Dinsmoor, Theodore E., Silver Spring, Md. Torque equalizer for counterrotating propellers. 2,584,115, Feb. 5.

Distillers Company Limited, The, assignee: *See*—
Bowen, Bertram E. V., and Howlett.

Dixie Cup Company, assignee: *See*—
Taubert, George.

Dobrosavljevic, Stojimir, Paris, France, assignor, by mesne assignments, to International Engineering General Research & Licensing Company, Wilmington, Del. Reversible packing. 2,584,679, Feb. 5.

Dodd, Bertha A., Hot Springs, Ark. Hair straightening machine. 2,584,434, Feb. 5.

Dodge, Barnett F., Hamden, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Low-pressure gaseous O_2 cycle with no chemical air purification. 2,584,381, Feb. 5.

Doerr, Norman B., Los Angeles, Calif. Baby supply cabinet. 2,584,435, Feb. 5.

Dolch, George E., assignee: *See*—
Reitz, Paul J.

Dole Valve Company, The, assignee: *See*—
Sanborn, Frank E.

D'Ollier, George: *See*—
Yocom, Alvin M., and D'Ollier.

Donais, Mrs. W. F., assignee: *See*—
Healy, John A.

Donaldson, Joseph G., assignor of one-half to A. S. Van Denburgh, Los Angeles, Calif. Valve device. 2,584,436, Feb. 5.

Doncyson, Robert A., Syracuse, N. Y., assignor to General Electric Company. Automatic testing apparatus. 2,584,680, Feb. 5.

Donovan, Barry J.: *See*—
Garner, Philip J., and Donovan.

Dooley, Thomas H.: *See*—
Du Boff, Philip L., and Dooley.

Dorkin, Catherine M. C.: *See*—
Speakman, John B., Chamberlain, and Dorkin.

Dostal, Frank, Great Neck, assignor to American Time Products, Inc., New York, N. Y. Apparatus for timing hairsprings. 2,584,562, Feb. 5.

Douglass, Charles H., Eureka, Kans. Sanitary cover for drink mixers. 2,584,437, Feb. 5.

Dow Chemical Company, The, assignee: *See*—
Williams, Bill M.

Dow Corning Corporation, assignee: *See*—
Goodwin, John T., Jr., and Hunter.
Hunter, Melvin J., and Rauner.
Speier, John L., Jr.

Druck, Maurice: *See*—
Spiegel, Lawrence, Behensky, and Druck.

Drury, Cooper C., Dallas, Tex. Securing device. 2,584,194, Feb. 5.

Du Boff, Philip L., New York, N. Y., and T. H. Dooley, Bayonne, N. J., assignors, by mesne assignments, to P. L. Du Boff, Scarsdale, N. Y. Wall cabinet and support therefor. 2,584,438, Feb. 5.

Duncan, Dwight W., Santa Ana, Calif. Display candle. 2,584,563, Feb. 5.

Dunipace, Donald W., Perrysburg, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for cutting and breaking glass. 2,584,851, Feb. 5.

Dunlop, Andrew P., Riverside, and P. R. Stout, Chicago, Ill., assignors to The Quaker Oats Company. Potentially reactive furan impregnating solutions. 2,584,681, Feb. 5

Dunn, William T.: *See*—
Syrovy, Augustin J., Dunn, and Iavelli.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Albisetti, Charles J., Jr., and Fisher.
Arnold, Herrick R., and Carnahan.
Biswell, Charles B.
Hanford, William E.
Jenner, Edward L.
Theobald, Clement W.

Dustin, John E., Kalamazoo, Mich. Safety fixture for gas service pipes. 2,584,439, Feb. 5.

Duyck, Georges, Tanger, Morocco. Electromagnetic synchronizer. 2,584,116, Feb. 5.

Earle, Guyon L. C., Forest Hills, N. Y. Kitchen cabinet incinerator. 2,584,382, Feb. 5.

Eastman Kodak Company, assignee: *See*—
Bancrott, George H.
Baxter, James G., and Kascher.

Eclipse Sleep Products Inc., assignee: *See*—
Martin, Joseph.

Economy Faucet Company, assignee: *See*—
Gordinier, Ralph E.

Eddy, Edwyn A.: *See*—
Beck, Derwood A., and Eddy.

Eddy, Jason A., assignee: *See*—
Rilea, Howard P.

Ehrlich, Louis B.: *See*—
Chambers, Herbert I., and Ehrlich.

Eimermann, Lloyd R., assignor to Perfex Corporation, Milwaukee, Wis. Switching mechanism. 2,584,682, Feb. 5.

Eisenhardt, Raymond, Ridgewood, N. J., and J. J. Gordon, Winnetka, Ill. Container and draw cord combination. 2,584,336, Feb. 5.

Electric & Musical Industries Limited, assignee: *See*—
Fisk, Ernest T., and Wood.
Johnson, Leonard R. J.
Lord, William E.

Electric Eye Equipment Company, assignee: *See*—
Wenger, Wiley D.

Elias, Kurt, Paris, assignor of one-half to A. Dawant, St. Ouen, Seine, France. Fluidifying mixtures mainly comprising highly polymerized polyvinyl acetates. 2,584,852, Feb. 5.

Elliott, Harmon P., Watertown, Mass. Combined stencil-moistening and stencil-blotting apparatus. 2,584,683, Feb. 5.

Ellis, Belvin B., Jamestown, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic core member. 2,584,564, Feb. 5.

Elrae Pressed Metals, Inc., assignee: *See*—
Cleh, Albert J.

Elrod, Harold G., Jr., Alliance, Ohio, assignor to The Babcock & Wilcox Company, Jersey City, N. J. Circulation of cell electrolyte. 2,584,117, Feb. 5.

Elsey, Walter H., Marble, Ark. Grapple. 2,584,853, Feb. 5.

Embart Manufacturing Company, assignee: *See*—
Hillery, Arthur M., Jr.
Rideout, Arthur E.

Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Binder. 2,584,854, Feb. 5.

Empire Box Corporation, assignee: *See*—
Kowal, Michael H.

Erson, Erik G., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake apparatus. 2,584,794, Feb. 5.

Etablissements Merlin & Gerin, assignee: *See*—
Latour, André.

Etling, Betty J., trustee, assignee: *See*—
Etling, Harold A.

Etling, Harold A., assignor of twenty-fortieths to B. J. Etling, five-fortieths to B. J. Etling as trustee for T. D. Etling, five-fortieths to B. J. Etling as trustee for H. A. Etling, five-fortieths to B. J. Etling as trustee for M. A. Etling, and one-fortieth to J. C. Etling, Marshallville, Ohio. Window construction having both pivotal and sliding movement. 2,584,684, Feb. 5.

Etling, Harold A.: *See*—
Etling, Harold A.

Etling, Jefferson C.: *See*—
Etling, Harold A.

Etling, Milissa A.: *See*—
Etling, Harold A.

Etling, Terry D.: *See*—
Etling, Harold A.

Eureka Williams Corporation, assignee: *See*—
Osborn, Ralph C.

Evans, Albert, assignor to W. H. Smith & Son Limited, London, England. Stationary feed mechanism for imprinting machines. 2,584,195, Feb. 5.

Evans Case Co., assignee: *See*—
Reilly, Alfred F.

Evans, Harry W., assignee: *See*—
Mefford, Cash O., and Massey.

Evans, Owen, assignee: *See*—
Verreet, Joseph.

Evert, William J., Burbank, Calif. Sectional and portable boat structure. 2,584,685, Feb. 5.

Ex-Cell-O Corporation, assignee: *See*—
Alden, Carroll R.

Fabia, Manuel A. G., and H. E. G. J. Clausen, assignors to Tecnica Industrial y Commercial Sociedad Anonima Tecosa, Buenos Aires, Argentina. Cyclone furnace with separated combustion and heat exchange chambers. 2,584,686, Feb. 5.

Fafnir Bearing Company, The, assignee: *See*—
Potter, Howell L.
Reynolds, Harry R.

Famulener, Keith, Owego, and H. Hoerlin, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Antistatic treating composition for photographic film supports. 2,584,337, Feb. 5.

Fargo Mfg. Company, Inc., assignee: *See*—
Schoonmaker, Raymond B., Becker, and Wengen.

Faries Manufacturing Company, assignee: *See*—
Laystrom, Carl A., and Sigler.

Faulkner, Richard D.: *See*—
Kissinger, Robert W., and Faulkner.
Fawthrop, George: *See*—
Adams, Dennis A. W., and Fawthrop.
Fazenbaker, Norris E., West New York, N. J. Dry rendering of sewer grease. 2,584,795, Feb. 5.
Feck, John F., Norwood, Ohio. Fowl drinking fountain. 2,584,383, Feb. 5.
Federal Products Corporation, assignee: *See*—
Kirkpatrick, Donald N.
Fereday, Frederick F., Sr., Louisville, Ky., assignor to Westinghouse Air Brake Company. Traffic protection apparatus. 2,584,566, Feb. 5.
Fergnani, Walter P., assignor to Post Machinery Company, Beverly, Mass. Box blank folding machine. 2,584,855, Feb. 5.
Ferguson, J. L., Company, assignee: *See*—
Ferguson, John L., and Talbot.
Ferguson, John L., and R. C. Talbot, assignors to J. L. Ferguson Company, Joliet, Ill. Machine which fills groups of containers, a group at a time, with conveyer which stops during filling operation. 2,584,338, Feb. 5.
Fernandes, Alvin E., Eureka, Calif. Adjustable ironing board. 2,584,196, Feb. 5.
Ferrand, Louis, Paris, France. Fused bath electrolytic cell for the production and refining of metals. 2,584,565, Feb. 5.
Fickett, Ruth T., assignee: *See*—
Braun, Moodie E., Sr.
Fidler, Robert E., Royal Oak, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Adjustable tie rod. 2,584,687, Feb. 5.
Fischer, Harald, Braunau a/Inn, Upper-Austria. Apparatus for determining map references in navigation according to the hyperbola method. 2,584,688, Feb. 5.
Fisher, Harold G., San Diego, Calif., assignor to Radio Corporation of America. Stabilized oscillator. 2,584,796, Feb. 5.
Fisher, Norman G.: *See*—
Albisetti, Charles J., Jr., and Fisher.
Fisk, Ernest T., London, and A. Wood, Cambridge, assignors to Electric & Musical Industries Limited, Hayes, England. Wall with sound absorbing material positioned behind an array of sound reflectors. 2,584,797, Feb. 5.
Fitchett, Carlton B., assignee: *See*—
Hopp, Robert E.
Fitz Gerald, Alan S., Wynnewood, Pa., assignor to Warren Webster & Company, Camden, N. J. Electromagnetic system. 2,584,856, Feb. 5.
Fogarty, Edward J.: *See*—
Davis, Richard C., Fogarty, and Rippere.
Fogle, Marlin E., West Orange, N. J. Exposure meter. 2,584,440, Feb. 5.
Fonken, William A., and E. Auer, assignors to Smith Cannery Machines Company, Seattle, Wash. Fish processing apparatus. 2,584,567, Feb. 5.
Food machinery and Chemical Corporation, assignee: *See*—
Bordenca, Carl, and Lazier.
Krueger, Frank W.
Ford, De Graffenried G., Scarsdale, N. Y. Frame member locating device. 2,584,263, Feb. 5.
Forster, John O., Long Island City, assignor to Heli-Coil Corporation, Queens County, N. Y. Tool for inserting screw thread linings. 2,584,118, Feb. 5.
Foster, Thomas W., assignor to Container Corporation of America, Chicago, Ill. Bottle carrier. 2,584,689, Feb. 5.
Fouiks, William S., Philadelphia, Pa., assignor to Thiokol Corporation. Curing coatings of polysulfide polymers. 2,584,264, Feb. 5.
Fox, Benjamin: *See*—
Worthen, Eugene P., and Fox.
Frank, William R.: *See*—
Rasmussen, Clarence T., Frank, and Hagen.
Frankel, Theodore, Rochester, N. Y., assignor to Stromberg-Carlson Company. Alarm system for unattended automatic exchanges. 2,584,857, Feb. 5.
Frazier, Bert, Pittsburgh, Pa. Combination tool. 2,584,568, Feb. 5.
Fredendall, Gordon L., Feasterville, Pa., assignor to Radio Corporation of America. Viewing screen. 2,584,441, Feb. 5.
Freeway Washer and Stamping Company, assignee: *See*—
Sutowski, Walter S.
Frentzel, Herman C., Milwaukee, assignor to The Parker Pen Company, Janesville, Wis. Ball point writing instrument. 2,584,569, Feb. 5.
Fresolone, Vito, Jr., Union, N. J. Lubricating fitting for vehicle springs. 2,584,119, Feb. 5.
Frie, George, assignor to Kramer Trenton Company, Trenton, N. J. Evaporating unit for heat exchange apparatus. 2,584,442, Feb. 5.
Frink, Russell E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,584,570, Feb. 5.
Fritz, William H., Mamaroneck, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Photoflash ignition apparatus and method. 2,584,858, Feb. 5.
Frowe, Eugene, Houston, Tex., assignor to Robert H. Ray Co. Magnetometer. 2,584,571, Feb. 5.
Funck, William G., Florissant, Mo. Picket fence construction. 2,584,690, Feb. 5.
Fyler, George W., Lombard, and R. R. Wingert, assignors to Mortorola, Inc., Chicago, Ill. Tuner. 2,584,120, Feb. 5.
Gaiser, Romey A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass structure and making the same. 2,584,859, Feb. 5.
Galeazi, Walter, San Francisco, Calif. Automatic temperature regulation. 2,584,691, Feb. 5.
Galley, Andrew H., York Mills, assignor, by mesne assignments, to Luxene of Canada Limited, Toronto, Ontario, Canada. Sink and deck assembly. 2,584,860, Feb. 5.
Gaillers, Marshall W., Radburn, N. J., assignor to Curtiss-Wright Corporation. Vibration damper. 2,584,384, Feb. 5.
Gamertsfelder, George R.: *See*—
Crane, Robert, Jr., and Gamertsfelder.
Gannett, Wright K.: *See*—
Mast, Gifford M., Gannett, and Shuh.
Garand, John C., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Device for contour dressing grinding wheels. 2,584,121, Feb. 5.
Garner, Herbert L., Sheridan, Ark. Convertible ladder. 2,584,197, Feb. 5.
Garner, Philip J., Hooton, Wirral, and B. J. Donovan, Wallasey, England, assignors to Shell Development Company, San Francisco, Calif. Separating organic carboxylic acids from hydrocarbon oil compositions. 2,584,861, Feb. 5.
Garrison, Clifford L., assignor to Oliver Instrument Company, Adrian, Mich. Forming grinding wheels. 2,584,862, Feb. 5.
Gaukstern, Joseph, Maplewood, assignor to Chris Kratt Company, Union, N. J. Musical instrument. 2,584,572, Feb. 5.
Gay, Frazer W., Metuchen, N. J. House heating. 2,584,573, Feb. 5.
Geary, Edward S., Nutley, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for stripping insulation from wires. 2,584,692, Feb. 5.
Geddes, Walter H.: *See*—
Hoffman, Allan C., Geddes, and Olcott.
Gelatin Research Society of America, Inc., assignee: *See*—
Tice, Linwood F.
General Aniline & Film Corporation, assignee: *See*—
Famulener, Keith, and Hoerlin.
Gross, Siegfried T.
Heimbach, Newton.
Jacobson, Carl H.
Mueller, Fritz W. H.
Randall, David I., and Buc.
Strobel, Albert F., and Williams.
General Binding Corporation, assignee: *See*—
Emmer, Charles E.
General Electric Company, assignee: *See*—
Bensen, Igor B.
Bluestein, Ben A.
Carbary, Richard J.
Cator, Frederick L., and Thorpe.
De Reamer, Frank C.
Doncyson, Robert A.
Jarvis, Samuel F., and Burch.
Jones, Benjamin W.
Lawson, James L.
McNairy, Jacob W.
Michel, Philip C.
Swenson, Alfred G.
Warrington, Albert R. V.
Wilcock, Donald F.
Smith, Wolcott M.
General Precision Laboratory Incorporated, assignee: *See*—
Crane, Robert, Jr., and Gamertsfelder.
Gillette, Frank N.
Gray, John W.
Hayek, Arthur F.
Hodder, Wayne K., Pourciau, and Lee.
General Railway Signal Company, assignee: *See*—
Larry, Edwin C.
Rees, Frank X., and Bechtold.
Georgeff, Vasil: *See*—
Danly, Philo H., G. L., and Georgeff.
Georgeff, Vasil, assignor to Danly Machine Specialties, Inc., Chicago, Ill. Hydropneumatic locking cushion for power presses. 2,584,339, Feb. 5.
Gerard, George A., Short Hills, assignor to Jiffy Manufacturing Company, Hillside, N. J. Making fiber products. 2,584,693, Feb. 5.
Gerard, Paul L. J.: *See*—
Audemar, Pierre G. J. M., and Gerard.
Gesner, Carleton P., New Haven, Conn. Radial saw. 2,584,863, Feb. 5.
Giesler, Jean V., and P. E. Cate, assignors to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Mounting means for bellows type thermostatically operated valve mechanisms. 2,584,443, Feb. 5.
Gill, Donald G.: *See*—
Mattie, William A.
Gill, John G.: *See*—
Rawnsley, David W., Green, and Gill.

Gillette, Frank N., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Film to television translator. 2,584,265, Feb. 5.
Gilmore, William E., U. S. Army, Lyndhurst, N. J. Stabilizing mechanism for vehicles. 2,584,122, Feb. 5.
Ginter, John R., Denver, assignor to J. T. Clark, Fort Morgan, Colo. Aerating minnow bucket. 2,584,385, Feb. 5.
Glwosky, Harry L., assignor to The Coleman Company, Inc., Wichita, Kans. Liner support in hot-air furnace. 2,584,694, Feb. 5.
Glatstein, Byrdie, assignee: *See*—
Mast, Gifford M., Gannett, and Shuh.
Glenbard Tool Mfrs., assignee: *See*—
McDonald, John H., and Novak.
Gluv-Gard Mfg. Co., Inc., assignee: *See*—
Bloom, Gertrude, and Bloom.
Goerditz, Hans, New City, N. Y. Multiple faced doll. 2,584,798, Feb. 5.
Goldberg, Maximilian M., assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,584,864, Feb. 5.
Goldwasser, Maurice, Brooklyn, N. Y. Safety antijimmy window lock. 2,584,575, Feb. 5.
Good, Paul J., Webster, N. Y., assignor, by mesne assignments, to Bell & Howell Company, Chicago, Ill. Electrostatic reproduction process and apparatus. 2,584,695, Feb. 5.
Goodwin, George I., assignee: *See*—
Narrin, Austin R.
Goodwin, John T., Jr., and M. J. Hunter, assignors to Dow Corning Corporation, Midland, Mich. Reaction of organosilane with glycerine-dicarboxylic acid ester and dicarboxylic acid. 2,584,340, Feb. 5.
Goodwin, John T., Jr., and M. J. Hunter, assignors to Dow Corning Corporation, Midland, Mich. Reacting an organosilane, glycerine, and glycerine-dicarboxylic acid ester. 2,584,341, Feb. 5.
Goodwin, John T., Jr., and M. J. Hunter, assignors to Dow Corning Corporation, Midland, Mich. Reacting siloxane-glycerine ester with acid ester of dicarboxylic acid and glycerine. 2,584,342, Feb. 5.
Goodwin, John T., Jr., and M. J. Hunter, assignors to Dow Corning Corporation, Midland, Mich. Reacting polysiloxane with glycerine and thereafter with dicarboxylic acid and product. 2,584,343, Feb. 5.
Goodwin, John T., Jr., and M. J. Hunter, assignors to Dow Corning Corporation, Midland, Mich. Reacting siloxane with glycerine-dicarboxylic acid ester and thereafter with dicarboxylic acid. 2,584,344, Feb. 5.
Goodyear Aircraft Corporation, assignee: *See*—
Beck, Derwood A., and Eddy.
Gordinier, Ralph E., Quakertown, Pa., assignor to Economy Faucet Company, Newark, N. J. Liquid pump. 2,584,865, Feb. 5.
Gordon, Jerome J.: *See*—
Eisenhardt, Raymond, and Gordon.
Gorwitz, Sam: *See*—
Brenchley, George S., and Gorwitz.
Gotham Hosiery Company, Inc., assignee: *See*—
Tilles, Roy E.
Gould, Byron C., assignor to The Murray Corporation of America, Detroit, Mich. Automobile hood, fender, and lamp contruction. 2,584,576, Feb. 5.
Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Rod and tube assembly. 2,584,696, Feb. 5.
Graham, William O.: *See*—
Hand, Frederick E., and Graham.
Granert, Robert O., Minonk, Ill. Garment. 2,584,577, Feb. 5.
Gray, John W., White Plains, N. Y., assignor to General Precision Laboratory Incorporated. Frequency measuring device. 2,584,866, Feb. 5.
Green, Carl J., Oak Ridge, Tenn. Variable ratio power transmission. 2,584,799, Feb. 5.
Green, Edward R.: *See*—
Rawnsley, David W., Green, and Gill.
Gregory Industries, Inc., assignee: *See*—
Nelson, Ted.
Griffith, Alan A., assignor to Rolls-Royce Limited, Derby, England. Supersonic aircraft and wing structure therefor. 2,584,198, Feb. 5.
Grisdale, George L., Great Baddow, Chelmsford, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Overload protection device for electrical instruments. 2,584,800, Feb. 5.
Gross, Siegfried T., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Series X-ray camera. 2,584,962, Feb. 5.
Grossman, Harry, Cleveland, Ohio. Skirt hanger. 2,584,199, Feb. 5.
Grueneberg, Walter A., assignor to Jackson & Church Company, Saginaw, Mich. Vibrating incremental mold charger or feeder. 2,584,444, Feb. 5.
Gruenwald, Louis A., New York, N. Y. Dispersing and emulsifying compositions. 2,584,123, Feb. 5.
Gruff, Alexis: *See*—
Hoffman, Julian, and Gruff.
Guarin, Paul L., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Floatable breakwater. 2,584,867, Feb. 5.
Guess, Taylor A., Kensington, Ga. Grubbing attachment for tractors. 2,584,868, Feb. 5.
Gulf Research & Development Company, assignee: *See*—
Bowman, John R., and Cichelli.
Wyckoff, Ralph D.
Gull, Roy A., Buffalo, assignor, by mesne assignments, to Sylvania Electric Products, Inc., New York, N. Y. Variable delay control circuit for motor-driven signal seeking receivers. 2,584,578, Feb. 5.
Gunder, Robert J., assignor to Hamilton Watch Company, Lancaster, Pa. Combination unit showcase. 2,584,869, Feb. 5.
Gunther, Roland E., Newark, N. J. Light projection apparatus. 2,584,697, Feb. 5.
Guss, William A.: *See*—
Hart, Norman E., and Guss.
Gustafson, Edwin E., Vallejo, Calif. Lifting device. 2,584,124, Feb. 5.
Haas, William, assignor to John Widdicomb Company, Grand Rapids, Mich. Sliding door mounting. 2,584,874, Feb. 5.
Hagen, Hobart I.: *See*—
Rasmussen, Clarence T., Frank, and Hagen.
Haglund, Howard H., Pelham, N. Y., assignor to The Sperry Corporation. Angular rate gyroscope. 2,584,125, Feb. 5.
Hajek, William J., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Temperature controller for air-conditioning systems. 2,584,445, Feb. 5.
Haley, Archie B.: *See*—
Anderson, Emitt S., and Haley.
Hall, Charles F., Berkeley, Calif. Convection-compensating centrifuge. 2,584,345, Feb. 5.
Hally, John J., Columbus, Ohio. Attachment for fork lift trucks. 2,584,870, Feb. 5.
Hamilton Watch Company, assignee: *See*—
Gunder, Robert J.
Hammerschmidt, Erwin, Wyomissing, Pa. Hair curler. 2,584,698, Feb. 5.
Hanchett, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Electronic timer circuits. 2,584,871, Feb. 5.
Hand, Frederick E., Canton, and W. O. Graham, Lewistown, Ill., assignors to International Harvester Company. Tractor-mounted implement and marker. 2,584,200, Feb. 5.
Handforth, Stanley L., Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pipe extractor. 2,584,801, Feb. 5.
Hanford, William E., Short Hills, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of dichlorodifluoroethylene and ethylene. 2,584,126, Feb. 5.
Hannum, John A., Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Mono fuel. 2,584,803, Feb. 5.
Hanover, Robert, Philadelphia, Pa. Electrode saving attachment for carbon arc lamps. 2,584,579, Feb. 5.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Very high-frequency electron tube. 2,584,802, Feb. 5.
Hansen, Daniel F., Eagle Grove, Iowa. Ornamental house number. 2,584,699, Feb. 5.
Hansen, Fred G., Toledo, Ohio Variable speed transmission. 2,584,201, Feb. 5.
Harcum, William M., Mineola, and J. M. Slater, Garden City, N. Y., assignors to The Sperry Corporation. Servo system. 2,584,127, Feb. 5.
Hardy, Maurice E., Chicago, Ill., assignor to Zenith Radio Corporation. Multispeed phonograph drive. 2,584,580, Feb. 5.
Hare, Donald G. C., Roslyn, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Band-pass filter network. 2,584,386, Feb. 5.
Harnly, David S., Jr., Scottdale, Pa. Double rolling attachment for printing presses. 2,584,266, Feb. 5.
Harp, Lloyd C., Sr., Waterloo, Iowa. Raw milk aerator. 2,584,202, Feb. 5.
Harris, George R., Montrose, Calif. Kitchen sink mounting. 2,584,581, Feb. 5.
Hart, Charlie B., Odessa, Tex. Dual engine manifold pressure balancing device. 2,584,872, Feb. 5.
Hart, Norman E., and W. A. Guss, assignors to Toledo Scale Company, Toledo, Ohio. Bearing retaining means. 2,584,873, Feb. 5.
Hart, Robert K., Croswell, Mich. Forearm fracture traction applicator. 2,584,203, Feb. 5.
Hartley, Eugene F., assignee: *See*—
Smith, Clarence C.
Harvel Research Corporation, assignee: *See*—
Arcidiacono, Peter.
Harvuot, Frank B., assignor to Bowser, Inc., Fort Wayne, Ind. Expendible cartridge filter and making same. 2,584,387, Feb. 5.
Hasche, Rudolph L., Johnson City, Tenn. Solid acetylene. 2,584,875, Feb. 5.
Haskins, Robert, Jr., Garden City, N. Y., assignor to The Sperry Corporation. Gyro instrument. 2,584,876, Feb. 5.
Hastings Manufacturing Company, assignee: *See*—
Wilkinson, James W.

Hastings, Warren W., and R. A. Tollefsen, Brighton, assignors to Rochester Manufacturing Company, Rochester, N. Y. Liquid level gauge. 2,584,446, Feb. 5.

Hatfield, Cleburne B., Cookeville, Tenn. Fluid pump or motor. 2,584,582, Feb. 5.

Havely, William J., Los Angeles, assignor to Mekuna Strip Company, Inc., Arcadia, Calif. Magazine cover-removing machines. 2,584,346, Feb. 5.

Hay, Warren H.: *See* Beardsell, Wallace A., and Hay.

Hayek, Arthur F., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Automatic plotting board and projecting means. 2,584,267, Feb. 5.

Hayot, Louis A., Paris, France. Variable-speed chain driving device. 2,584,447, Feb. 5.

Hayward, Carle R., Quincy, Mass., assignor to Bethlehem Steel Company. Treatment of iron ore containing impurities, including nickel and chromium. 2,584,700, Feb. 5.

Hazard, Allyn B., Albuquerque, N. Mex. Hydrofoil boat. 2,584,347, Feb. 5.

Hazeltine Research, Inc., assignee: *See* James, Emrys G., and Lindell

Healy, Edward J., assignee: *See* Healy, John A.

Healy, John A., assignor of 25 percent to J. A. Healy, Jr., and 25 percent to E. J. Healy, St. Paul, and 25 percent to Mrs. W. F. Donais, Newport, Minn., and 25 percent to J. Healy de Ruiz, Mexico City, Mexico. Self-cleaning hand rake. 2,584,348, Feb. 5.

Healy, John A., Jr., assignee: *See* Healy, John A.

Helmbach, Newton, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Color forming development with an aromatic primary amino developer and o-[4-sulfophenylazo]-acetonaret-2'4-dichloroanilide. 2,584,349, Feb. 5.

Helninger, Charles R.: *See* Hurlbut, James H., and Helninger.

Helsig, Garth J.: *See* Crooker, Robert M., and Helsig.

Hell-Coil Corporation, assignee: *See* Forster, John O.

Henry, Ronald A., China Lake, Calif., assignor to The Procter & Gamble Company. Surface-active compounds. 2,584,701, Feb. 5.

Hern, Carl, Whittier, Calif. Packer and slip assembly expanded by internal pressure. 2,584,448, Feb. 5.

Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Corn snapping and husking rolls. 2,584,204, Feb. 5.

Hicks, Nell S., Decatur, Ga. Curtain. 2,584,205, Feb. 5.

Hildyard, Joseph M., United States Army, Arlington County, Va. Liquid level indicating apparatus. 2,584,128, Feb. 5.

Hillery, Arthur M., Jr., Hartford, Conn., assignor to Embart Manufacturing Company. Optically determining relative thickness of surface coatings on glass articles and the like. 2,584,583, Feb. 5.

Hobbs, Edward V.: *See* Cardwell, Harland W., Brown, and Hobbs.

Hockett, Robert C., Larchmont, N. Y., assignor to Heinz M. Wiest, Montclair, N. J. Production of L-xylose. 2,584,129, Feb. 5.

Hodder, Wayne K., Pasadena, Calif., L. L. Pourciau, and R. W. Lee, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Television sweep circuits. 2,584,268, Feb. 5.

Hodges, Linnie P., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Separation of oxygenated organic compounds from synthetic naphtha. 2,584,269, Feb. 5.

Hodsdon, Floyd G., Milwaukee, Wis., assignor to International Harvester Company. Milk strainer. 2,584,206, Feb. 5.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Feed indicating dials for lathe carriages. 2,584,963, Feb. 5.

Hoerlin, Herman: *See* Famulener, Keith, and Hoerlin.

Hoffman, Allan C., Yellow Springs, W. H. Geddes, and J. D. Olcott, assignors to United Aircraft Products, Inc., Dayton, Ohio. Oil tank and system. 2,584,877, Feb. 5.

Hoffman, Julian, New York, and A. Gruff, Flushing, assignors to Claridge Food Co. Inc., Murray Hill, N. Y. Cooking and canning meat patties. 2,584,584, Feb. 5.

Hoffmann-La Roche Inc., assignee: *See* Steiger, Norbert, and Keller.

Hogendobler, Henry R., Toledo, Ohio, assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for the production of glass fiber mats. 2,584,702, Feb. 5.

Höglund, Stig P. G., assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. End mill cutter. 2,584,449, Feb. 5.

Holl, Charles, New York, N. Y. Gem setting and articles of jewelry made therefrom. 2,584,207, Feb. 5.

Holland, George C., Hollins, Va. Fruit basket. 2,584,350, Feb. 5.

Hollerith, Charles, assignor to Lake State Products, Inc., Jackson, Mich. Combination coupling and governor for producing axial movement. 2,584,703, Feb. 5.

Holley, Earl, assignee: *See* Orr, Andrew W., Jr.

Holley, George M., assignee: *See* Orr, Andrew W., Jr.

Hollingsworth, John W., assignor to Walker Manufacturing Company, Philadelphia, Pa. Supporting hook for heddle bars. 2,584,585, Feb. 5.

Holmgren, Eric L., assignor to Kuhlman Electric Co., Bay City, Mich. Apparatus for winding and producing coils. 2,584,208, Feb. 5.

Holstein, Theodore D.: *See* Alpert, Daniel, Krasik, and Holstein.

Holt, George W., Minneapolis, and W. G. Kubicek, Rosemount, assignors to Regents of The University of Minnesota, Minneapolis, Minn. Tracheotomy inhaler apparatus. 2,584,450, Feb. 5.

Hoover, Daniel S., Mansfield, Ohio. Rotary swinging high lift loader. 2,584,804, Feb. 5.

Hoover, Paul L., Cleveland, Ohio, and D. A. Brunton, Needham, Mass. Reel driving device. 2,584,453, Feb. 5.

Hopp, Robert E., assignor to C. B. Fitchett, Poughkeepsie, N. Y. Latch and pivot for folding rules. 2,584,451, Feb. 5.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel cover. 2,584,452, Feb. 5.

Horn, Harry L., Dallas, Tex. Strip casting machine. 2,584,704, Feb. 5.

Hornschuch, Hanns, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Sealing device for pumps. 2,584,705, Feb. 5.

Houdaille-Hershey Corporation, assignee: *See* O'Connor, Bernard E.

Houdry Process Corporation, assignee: *See* Mills, George A.

House Beautiful Curtains, Inc., assignee: *See* Spiegel, Lawrence, Behensky, and Druck.

Howard, Charles W., Franklin, Ohio. Brake for planetary drives. 2,584,454, Feb. 5.

Howell, Alun R., Neath, assignor to Power Jets (Research and Development) Ltd., London, England. Constant pressure cycle continuous flow combustion gas turbine power plant. 2,584,878, Feb. 5.

Howlett, John: *See* Bowen, Bertram E. V., and Howlett.

Hruska, Stephen J., assignee: *See* Abney, William G.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Fuse drop-out cutout. 2,584,586, Feb. 5.

Hucknall, Richard H., Bayside, N. Y. Wrist watch guard. 2,584,270, Feb. 5.

Huebl, Clarence G., Milwaukee, and H. P. Buerosse, Pewaukee, Wis. Container with trap chamber operated by tipping. 2,584,130, Feb. 5.

Huffman, Max N., Dallas, Tex., assignor to G. D. Searle & Co., Chicago, Ill. Sterold derivatives and producing the same. 2,584,271, Feb. 5.

Hughart, Charles R., Fort Wayne, Ind. Two-man portable power saw. 2,584,209, Feb. 5.

Hughes, Walter J., assignor to Infilco Incorporated, Chicago, Ill. Pneumatic telemetering transmitter. 2,584,455, Feb. 5.

Hulsey, Jesse W., Jr., St. Louis, Mo. Adjustable window guard. 2,584,706, Feb. 5.

Humphreys, Marion W., Euclid, Ohio. Machine tool. 2,584,456, Feb. 5.

Hunter, Fred, Lancaster, S. C.; assignor to Precision Gear & Machine Company, Charlotte, N. C. Lap pin and calender rack. 2,584,457, Feb. 5.

Hunter, James H., assignor to The Upjohn Company, Kalamazoo, Mich. Pyrrolidyl thiolesters. 2,584,131, Feb. 5.

Hunter Manufacturing Corporation, assignee: *See* Renton, Henry N.

Hunter, Melvin J.: *See* Goodwin, John T., Jr., and Hunter.

Hunter, Melvin J., and L. A. Rauner, assignors to Dow Corning Corporation, Midland, Mich. Condensation of an organo silane with a polyhydric alcohol and thereafter with a polycarboxylic acid and product. 2,584,351, Feb. 5.

Hupcey, Joseph V.: *See* Sensiper, Samuel, Muchmore, and Hupcey.

Hurlbut, James H., and C. R. Helninger, Stockton, Calif., assignors, by mesne assignments, to Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostat safety control. 2,584,458, Feb. 5.

Husband, Robert M., Fort Wayne, Ind. Toy railroad track. 2,584,388, Feb. 5.

Huvett, Robert B., assignor to Pangborn Corporation, Hagerstown, Md. Blasting machine. 2,584,587, Feb. 5.

Hyatt, Darwin E., Roscoe, Calif. Landing gear and flap control for tethered model airplanes. 2,584,588, Feb. 5.

Hyde, Richard W.: *See* Meissner, Herman P., and Hyde.

Hyman, Julius: *See* Lidov, Rex E., Hyman, and Segel.
Segel, Edward, Lidov, and Hyman.

Iavelli, Teno: *See* Syrovy, Augustin J., Dunn, and Iavelli.

Illinois Tool Works, assignee: *See* Poupitch, Ougljesa J.

Imperial Chemical Industries Limited, assignee: *See* Adams, Dennis A. W., and Fawthrop.

Industrial Equipment Co., assignee: *See* Pearson, Carl F.

Infilco Incorporated, assignee: *See* Hughes, Walter J.

Ingersoll-Rand Company, assignee: *See* Anderson, James H.
Hornschuch, Hanns.

Ingraham, E., Company, The, assignee: *See* Burghoff, Louis R.

Ingwer, Carl H., and C. E. Wright, Elyria, Ohio. Threading die. 2,584,463, Feb. 5.

International Business Machines Corporation, assignee: *See* Clark, Lloyd K.
Phelps, Byron E.
Sill, John E.

International Engineering General Research & Licensing Company, assignee: *See* Dobrosavljevic, Stojimir.

International Harvester Company, assignee: *See* Aasland, John L.
Hand, Frederick E., and Graham.
Hodsdon, Floyd G.
Morkoski, James.
Selzer, John.
Sonneman, Paul R.

Ipatieff, Vladimir N.: *See* Pines, Herman, and Ipatieff.

Iron Fireman Manufacturing Company, assignee: *See* Webb, Ernest C.

Ivers-Lee Company, assignee: *See* Salfisberg, Leroy L.

Jackson Vibrators, Inc., assignee: *See* Jackson, Corwill.

Jackson & Church Company, assignee: *See* Grueneberg, Walter A.

Jackson, Corwill, assignor to Jackson Vibrators, Inc., Ludington, Mich. Machine for placing concrete and the like. 2,584,459, Feb. 5.

Jacobs, James D., Wauseon, Ohio. Occupant propelled exercising toy horse. 2,584,879, Feb. 5.

Jacobs Manufacturing Company, The, assignee: *See* Stoner, Arthur M.

Jacobs, Philip C., Jr., Newtonville, Mass., assignor, by mesne assignments, to The Acro Manufacturing Co., Columbus, Ohio. Snap action switch. 2,584,460, Feb. 5.

Jacobson, Carl H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Film advancing means for cameras, including film pawls or curtain shutters. 2,584,964, Feb. 5.

James, Emrys G., and A. O. E. Lindell, Wembley, England, assignors to Hazeltine Research, Inc., Chicago, Ill. Electrical crystal-contact device. 2,584,461, Feb. 5.

Jamo, John N., Grand Rapids, Mich. Pocket comb. 2,584,462, Feb. 5.

Janeway, Robert N., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Suspension for railway trucks. 2,584,880, Feb. 5.

Jarvis, Samuel F., and J. R. Burch, Schenectady, N. Y., assignors to General Electric Company. Self-aligning armature. 2,584,707, Feb. 5.

Jenkins, Wallace A., Lakewood, assignor to The Atlas Manufacturing and Sales Company, Cleveland, Ohio. Portable vending machine. 2,584,708, Feb. 5.

Jenner, Edward L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of diacyl 1,3-amino alcohols and their hydrolyzed products, 1,3-amino alcohols. 2,584,589, Feb. 5.

Jet Shaft Seals, Inc., assignee: *See* Summers, Orran B.

Jiffy Manufacturing Company, assignee: *See* Gerard, George A.

Jobbins, William F., Incorporated, assignee: *See* Willmore, Charles B.

Johns-Manville Corporation, assignee: *See* Daum, Harold, and Rugen.
Simmers, Charles D.

Johnson, Charles E., and G. O. Johnson, Portland, Oreg. Gaff hook. 2,584,881, Feb. 5.

Johnson, Edward P., West Haven, and F. E. Runge, Branford, assignors to The Soundscriber Corporation, New Haven, Conn. Protective groove dictating apparatus. 2,584,464, Feb. 5.

Johnson, Edwin J., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Adjustable tie rod. 2,584,709, Feb. 5.

Johnson, Floyd D., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective system for series capacitors. 2,584,710, Feb. 5.

Johnson, George O.: *See* Johnson, Charles E. and G. O.

Johnson, Leonard R. J., Middlesex, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Integrating circuits. 2,584,882, Feb. 5.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Circuit breaker. 2,584,711, Feb. 5.

Jones, Lester L., Orndell, assignor to Conmar Products Corporation, Newark, N. J. Molding machine and process. 2,584,612, Feb. 5.

Julian, Ralph J., Spokane, Wash. Electric shaver. 2,584,590, Feb. 5.

Käll, Oscar E., Ljungby, Sweden. Level control apparatus relating to filling of receptacles which are closed by flaps. 2,584,465, Feb. 5.

Kanaval, Stephen W., Deer Park, assignor to The Coca-Cola Bottling Works Co., Cincinnati, Ohio. Sign supporting structure. 2,584,713, Feb. 5.

Kane, Al. J., assignee: *See* Adams, Stephen J.

Karsch, Eugene J., Sparta, Ill. Accessory for automotive vehicles. 2,584,883, Feb. 5.

Kascher, Henry M.: *See* Baxter, James G., and Kascher.

Kaserman, John A., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Feed hopper and feed mechanism. 2,584,466, Feb. 5.

Kaufmann, Stephen: *See* Rosenkranz, George, Kaufmann, and Pataki.

Kaye, John W., San Antonio, Tex. Comb. 2,584,467, Feb. 5.

Keck, George F., assignor to Clay Products Association, Chicago, Ill. Radiant heating system. 2,584,591, Feb. 5.

Kehbel, Heinz G., Bavaria, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electric oscillatory circuit device. 2,584,592, Feb. 5.

Kelser, John, Windsor, Colo. Ratcheting jaw for plier-type wrenches. 2,584,353, Feb. 5.

Keizer, Eugene O., and V. D. Landon, Princeton, N. J., assignors to Radio Corporation of America. Radio-frequency bolometer wattmeter. 2,584,272, Feb. 5.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,584,468, Feb. 5.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,584,469, Feb. 5.

Keller, Oscar: *See* Steiger, Norbert, and Keller.

Kennedy, Thomas J.: *See* Reynolds, William B., Wicklatz, and Kennedy.

Kenwood Manufacturing Company Limited, assignee: *See* Laurence, Roger F.

Kern, Albert H., Birmingham, Ala. Card holder. 2,584,352, Feb. 5.

Kessler, Frank, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic telephone and code call. 2,584,210, Feb. 5.

Keystone View Company, assignee: *See* Alexander, Harry S.

Killefer, John Deere, Company, assignee: *See* Rasmussen, Clarence T., Frank, and Hagen.

Kimberlin, Charles N., Jr.: *See* Pierce, Jerry A., and Kimberlin.

Kingsley, David G., Mountain Lakes, assignor to Stapling Machines Co., Rockaway, N. J. Apparatus for cutting wires in making wire-bound boxes. 2,584,593, Feb. 5.

Kirby, Harold L., Glendale, assignor to H. V. Peez, Beverley Hills, Calif. Life raft. 2,584,884, Feb. 5.

Kirkman, Robert A., Elberon, N. J. Radio receiving system. 2,584,132, Feb. 5.

Kirkpatrick, Donald N., Livingston, N. J., assignor to Federal Products Corporation, Providence, R. I. Differential measuring gauge. 2,584,714, Feb. 5.

Kissinger, Robert W., State College, and R. D. Faulkner, Lancaster, Pa., assignors to Radio Corporation of America. Sealing a glass facing to a surface of a metal body. 2,584,354, Feb. 5.

Kuliecik, Leo J., assignor, by mesne assignments, to McDonnell & Miller, Inc., Chicago, Ill. Pop-type safety valve. 2,584,715, Feb. 5.

Knight, Harold E., Jr.: *See* Sprinkel, Robert B., Umstott, and Knight.

Knowlton, Cutler D., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,584,273, Feb. 5.

Knutson, Gothard H., Pelican Rapids, Minn. Lock link chain. 2,584,134, Feb. 5.

Koegler, Milton, Jacksonville, Fla., assignor to Remuzit Home Products Co., Philadelphia, Pa. Liquid dispensing and filling machine. 2,584,355, Feb. 5.

Kohen, Jack J., South Bend, Ind. Table leg mounting. 2,584,471, Feb. 5.

Kohn, Leo, assignor to Morris Moskowitz Corporation, New York, N. Y. Pocketbook with resilient interengageable edges for closure of same. 2,584,594, Feb. 5.

Konet, Henry, Hohokus, assignor to Bendix Aviation Corporation, Teterboro, N. J. End play adjusting arrangement. 2,584,472, Feb. 5.

Koochembere, Chris T., Aldan, Pa. Insert fastener. 2,584,133, Feb. 5.

Koppel, Noah, Bronx, N. Y. Nondrip valve. 2,584,716, Feb. 5.

Korenblit, Szalom, Tel Aviv, Palestine. Bed. 2,584,135, Feb. 5.

Kowal, Michael H., Clifton, assignor to Empire Box Corporation, Garfield, N. J. Egg carton. 2,584,595, Feb. 5.

Kraft, Wheaton W., Searsdale, assignor to The Lummus Company, New York, N. Y. Vacuum control system. 2,584,211, Feb. 5.

Kramer Trenton Company, assignee: *See*—
Frie, George.

Krasik, Sidney: *See*—
Alpert, Daniel, Krasik, and Holstein.

Kratt, Chris, Company, assignee: *See*
Gaukstern, Joseph.

Kropa, Edward L.: *See*—
Wohnsiedler, Henry P., Kropa, and Thomas.

Krueger, Frank W., Saratoga, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Food processing apparatus. 2,584,473, Feb. 5.

Krueger, Frank W., Saratoga, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Food processing apparatus. 2,584,474, Feb. 5.

Kruger, Henry E., assignor to The Perfection Steel Body Company, Galion, Ohio. Panel for box type vehicle bodies. 2,584,885, Feb. 5.

Kruse, Ernst: *See*—
Caprez, Hans, and Kruse.

Kubicek, William G.: *See*—
Holt, George W., and Kubicek.

Kuhlman Electric Co., assignee: *See*—
Holmgren, Eric L.

Kuhn, Lee B., Brooklyn, N. Y. Book-page and letter sheet marker. 2,584,389, Feb. 5.

Kupski, Joseph: *See*—
Oliver, Conrad J., and Kupski.

Laabs, Gustave H., Morris, assignor to Morris Paper Mills, Chicago, Ill. Container assembling apparatus. 2,584,718, Feb. 5.

Laferriere, Joseph E., Boston, Mass. Semiautomatic pin-setting-up and ball-returning apparatus for bowling alleys. 2,584,596, Feb. 5.

Laguzzi, Mario, Long Island City, N. Y. Refrigerator cabinet. 2,584,886, Feb. 5.

Lake State Products, Inc., assignee: *See*—
Hollerith, Charles.

Lambach, Fritz, Tenafly, assignor to Robert Reiner, Inc., Weehawken, N. J. Straight bar knitting machine and operating same. 2,584,136, Feb. 5.

Landauer, Rolf W., New York, N. Y., assignor to Sylvania Electric Products Inc. Traveling wave tube. 2,584,597, Feb. 5.

Landis & Gyr, A. G., assignee: *See*
Caprez, Hans, and Kruse.

Landon, Vernon D.: *See*—
Kelzer, Eugene O., and Landon.

Lanegan, Frederick E., and P. Maguire, assignors to W. H. Smith & Son Limited, London, England. Autographic register and the like. 2,584,212, Feb. 5.

Larry, Edwin C., Greece, assignor to General Railway Signal Company, Rochester, N. Y. Railway switch point connection. 2,584,719, Feb. 5.

Larson, Karl R., Aitkin, Minn. Variable weight sinker. 2,584,356, Feb. 5.

Latour, André, Grenoble, France. Operating means for electric switches. 2,584,888, Feb. 5.

Latour, André, assignor to Etablissements Merlin & Gerin, Grenoble, France. Device for preventing humidity in enclosures containing insulating parts. 2,584,889, Feb. 5.

Lauder, Wallace A., West Nyack, assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Safety cabinet switch. 2,584,390, Feb. 5.

Laurence, Roger F., Guildford, assignor to Kenwood Manufacturing Company Limited, Old Woking, Surrey, England. Domestic mixing apparatus. 2,584,887, Feb. 5.

Lawson, James L., Schenectady, N. Y., assignor to General Electric Company. Electronic counter. 2,584,720, Feb. 5.

Laystrom, Carl A., Decatur, and H. R. Sigler, Argenta, assignors to Farles Manufacturing Company, Decatur, Ill. Cabinet with removable shelf. 2,584,274, Feb. 5.

Lazier, Wilbur A.: *See*—
Bordenca, Carl, and Lazier.

Lecnir, René, Paris, France, assignor to Compagnie Generale de Telegraphie, Sans Fil. Manufacture of refractory articles. 2,584,475, Feb. 5.

Lee, Richard W.: *See*—
Hodder, Wayne K., Pourciau, and Lee.

Lee, William S.: *See*—
Snyder, Richard F., and Lee.

Leeds and Northrup Company, assignee: *See*—
Williams, Albert J., Jr.

Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for effecting fluidized contact between solid particles and fluid mediums. 2,584,391, Feb. 5.

Leftwich, Robert F., Greenwich, Conn. Method and apparatus for producing an emulsion, including water, fuel oil, and finely divided solids for combustion. 2,584,805, Feb. 5.

Leggate, Esther K., assignee: *See*—
McDowell, Esther K.

Leisenring, Arthur E., Denver, Colo. Flatwork ironing machine. 2,584,598, Feb. 5.

Leonard, John T., Evanston, Ill. Lubricant measuring valve. 2,584,890, Feb. 5.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 3-acyloxy-5,7,9(11)-androstatrien-17-one adducts. 2,584,137, Feb. 5.

Lewis, Maggi: *See*—
Lewis, Margaret.

Lewis, Margaret, also known as Maggi Lewis, New York, N. Y. Plateau. 2,584,392, Feb. 5.

Lewis, Robert J.: *See*—
Longo, John, Tourshou, and Lewis.

Liaci, Angelo R., West Long Branch, N. J. Electric terminal and conductor mounting. 2,584,476, Feb. 5.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Bunnell, Raymond H.
Dunipace, Donald W.
Gaiser, Romey A.

Libby, Carl F., Stoughton, Mass. Narrow web with locked selvage and making same. 2,584,891, Feb. 5.

Lichtman, Samuel W., Oxon Hill, Md. Radio activity detector and discriminator. 2,584,138, Feb. 5.

Lidov, Rex E.: *See*—
Segel, Edward, Lidov, and Hyman.

Lidov, Rex E., J. Hyman, and E. Segel, Denver, Colo.; said Lidov and said Segel assignors to Velsicol Corporation, Chicago, Ill. Diels-Alder adducts of hexahalocyclopentadiene with quinones. 2,584,139, Feb. 5.

Liebling, Rose, Atlanta, Ga. Toilet seat. 2,584,141, Feb. 5.

Lile, Walter L., Roswel, N. Mex. Cigarette extinguisher. 2,584,275, Feb. 5.

Lily-Tulip Cup Corporation, assignee: *See*—
Brown, John H., Jr.

Lindell, Aubrey O. E.: *See*—
James, Emrys G., and Lindell.

Lindenmuth, Henry W., Dearborn, Mich., assignor to Auto-Go, Incorporated. Automobile self-starter with safety cutout. 2,584,477, Feb. 5.

Lindenmuth, Henry W., Dearborn, Mich., assignor to Auto-Go, Incorporated. Automobile self-starter safety switch. 2,584,478, Feb. 5.

Linneman, Richard, Atlanta, Ga. Case with spring-urged pivoted sliding closure. 2,584,721, Feb. 5.

Lipp, Rudolf W., Graz, Austria. Circle dividing machine. 2,584,393, Feb. 5.

Lisbon, Joseph C., Haverhill, and H. S. Lyness, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Making slip lasted shoes. 2,584,276, Feb. 5.

Lloyd, William R., Austin, Tex., and R. M. Sotres, Mexico City, Mexico, assignors to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Making a tortilla flour. 2,584,893, Feb. 5.

Loebel, Frederick A., Milwaukee, Wis., assignor to Cleaver-Brooks Company. Regenerative evaporator. 2,584,357, Feb. 5.

London, Emmanuel M., assignor to A. L. Siegel Co., Inc., New York, N. Y. Mothproofing resistant plastic garment bag. 2,584,722, Feb. 5.

Long, Thomas H., assignor to C. G. Conn, Ltd., Elkhart, Ind. Electronic tuning device. 2,584,277, Feb. 5.

Longo, John, and S. I. Tourshou, Philadelphia, Pa., and R. J. Lewis, Audubon, N. J., assignors to Radio Corporation of America. Amplifying system. 2,584,213, Feb. 5.

Lord, William E., Harlington, assignor to Electric and Musical Industries Limited, Hayes, England. Manufacturing sound recording disks. 2,584,892, Feb. 5.

Luck, David G. C., Princeton, N. J., assignor to Radio Corporation of America. Radio aid to navigation. 2,584,599, Feb. 5.

Lummus Company, The, assignee: *See*—
Kraft, Wheaton W.

Lundholm, Carl H., Stockholm, Sweden. Adjusting buckle for the suspension straps leading from a parachute harness to the parachute. 2,584,358, Feb. 5.

Luther, William P. and G. Rudat, assignors to John Oster Manufacturing Company, Racine, Wis. Brush holder for electric motors and the like. 2,584,214, Feb. 5.

Luxene of Canada Limited, assignee: *See*—
Galley, Andrew H.

Lyness, Horatio S.: *See*—
Lisbon, Joseph C., and Lyness.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,584,142, Feb. 5.

Lyon, George A., Detroit, Mich. Wheel structure. 2,584,143, Feb. 5.

MacDonald, James R., assignor to Columbia Records Inc., Bridgeport, Conn. Phonograph record cutting machine. 2,584,479, Feb. 5.

MacIntire, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Treatment of fluoric effluents to obtain magnesium silicofluoride and/or hydrofluoric acid. 2,584,894, Feb. 5.

MacIntire, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Treatment of fluoric effluents to obtain ammonium fluoride. 2,584,895, Feb. 5.

Mackey, Donald, Haddon Heights, N. J., assignor to Radio Corporation of America. Variable inductance device. 2,584,723, Feb. 5.

MacKimmie, George B., Montreal, Quebec, Canada, assignor to Radio Corporation of America. Radio-frequency phase shift network. 2,584,600, Feb. 5.

MacKinnon, William E.: *See*—
Stevenson, William G., and MacKinnon.

Macnell, William E.: *See*—
Batchelder, George E., and Macnell.

Maffris, Annebelle, Chicago, Ill. Lady's hearing aid hat construction. 2,584,896, Feb. 5.

Maguire, Patrick: *See*—
Lanegan, Frederick E., and Maguire.

Mansfield Sanitary Pottery, Inc., assignee: *See*—
Smith, Harry F.

Manting, Jack F., assignor to Denham Manufacturing Company, Big Rapids, Mich. Magnetic latch for doors. 2,584,480, Feb. 5.

Marco, Salvatore M., Columbus, assignor to Toledo Scale Company, Toledo, Ohio. Electric computing mechanism. 2,584,897, Feb. 5.

Marcotte, Raymond J.: *See*—
Smith, Russell J., and Marcotte.

Maresca, Peter T., Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of the Army. Positive pedestal switched video tube. 2,584,144, Feb. 5.

Marien, Clement S., Attleboro, Mass., assignor to Swank, Inc. Cravat clasp. 2,584,215, Feb. 5.

Marquette Metal Products Company, The, assignee: *See*—
Sacchini, Columbus R.

Martin, Joseph, Laurelton, assignor to Eclipse Sleep Products Inc., Brooklyn, N. Y. Foldable sofa bed. 2,584,145, Feb. 5.

Martin, Joseph, Laurelton, assignor to Eclipse Sleep Products Inc., Brooklyn, N. Y. Couch bed linkage for folding, unfolding, and positioning a full length mattress in couch or bed formation. 2,584,146, Feb. 5.

Marvel, Harvey E., assignor to Bowser, Inc., Fort Wayne, Ind. Filter. 2,584,394, Feb. 5.

Marvel, Harvey E., assignor to Bowser, Inc., Fort Wayne, Ind. Filter aid feeder. 2,584,395, Feb. 5.

Massey, Granvel D.: *See*—
Mefford, Cash O., and Massey.

Mast, Gifford M., W. K. Gannett, and L. M. Shuh, Davenport, assignors to B. Glatstein, Muscatine, Iowa. Infant's convertible seat and bed. 2,584,481, Feb. 5.

Mattie, William A., Chesterland, Ohio, assignor, by mesne assignments, of one-half to K. R. Proctor and one-half to D. G. Gill, New York, N. Y. Paint applicator. 2,584,724, Feb. 5.

Maui Pineapple Company, Ltd., assignee: *See*—
Baldwin, Henry J., A. N., and Mihara.

Mauser, Francis P., Parkersburg, W. Va. Alphabet- and numeral-teaching guide. 2,584,601, Feb. 5.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Supported phosphoric acid catalyst and its preparation. 2,584,102, Feb. 5.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Oven burner control mechanism. 2,584,147, Feb. 5.

McCabe, Ira E., Chicago, Ill. Electric refrigeration and defroster controller. 2,584,482, Feb. 5.

McCarthy, Thomas F., Washington, D. C. Mimeograph stencil signature shield. 2,584,806, Feb. 5.

McConnell, Margaret O., Punta Gorda, Fla. Combination diaper and moistureproof cover. 2,584,898, Feb. 5.

McCracken, John H., Tulsa, Okla, assignor to Socony-Vacuum Oil Company, Incorporated. N(thiophenalkyl)-arylamines. 2,584,278, Feb. 5.

McDonald, John H., and J. Novak, assignors, by mesne assignments, to Glenbard Tool Mfrs., Chicago, Ill. Relieving fixture. 2,584,483, Feb. 5.

McDonnell & Miller, Inc., assignee: *See*—
Kmiecik, Leo J.

McDowell, Esther K., Minneapolis, Minn., assignor to E. K. Leggate, New Galilee, Pa. Surgical garment. 2,584,279, Feb. 5.

McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Transmission. 2,584,965, Feb. 5.

McIntosh, A Vern, Jr.: *See*—
Levin, Robert H., McIntosh, and Spero.

McIntosh, Harold J., assignor to Automatic Equipment Manufacturing Company, Pender, Nebr. Sprayer. 2,584,484, Feb. 5.

McKee, Percil C., Downers Grove, Ill. Inside gauge. 2,584,602, Feb. 5.

McKusick, Blaine C.: *See*—
Bartlett, Paul D., and McKusick.

McLeod, Roderick C., Leicester, assignor to Power Jets (Research & Development) Limited, London, England. Construction of stator elements of turbines, compressors, or like machines. 2,584,899, Feb. 5.

McMillan, Elmer E. and G. E., Mansfield, Mo. Shears with interchangeable cutting blade. 2,584,603, Feb. 5.

McMillan, George E.: *See*—
McMillan, Elmer E. and G. E.

McNairy, Jacob W., Westport, Conn., assignor to General Electric Company. Tonster timing mechanism. 2,584,725, Feb. 5.

McNeel, Jess M., San Antonio, Tex. Blade adjuster for brush clearing mechanisms. 2,584,485, Feb. 5.

McOmber, Loren W., assignor to C. E. Bohenmyer, Peoria, Ill. Dispensing apparatus for vending machines. 2,584,726, Feb. 5.

Mefford, Cash O., Sapulpa, and G. D. Massey, Tulsa, assignors of one-third to H. W. Evans, Sapulpa, Okla. Combination check and block valve. 2,584,900, Feb. 5.

Meissner, Herman P., Watertown, and R. W. Hyde, Arlington, Mass., assignors, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Preparing substantially iron-free ammonium sulfate from spent pickle liquor. 2,584,280, Feb. 5.

Mekana Strip Company, Inc., assignee: *See*—
Havely, William J.

Mellen, Joseph G., Gulfport, Miss. Storage system for treating material. 2,584,727, Feb. 5.

Mendius, Carl, Riverside, Ill. Making strong, hard silica-lime brick. 2,584,604, Feb. 5.

Merck & Co., Inc., assignee: *See*—
Pierson, Earl, and Tishler.

Merriam, Edmund S., Marietta, Ohio, and F. Squires, Champaign, Ill. Thermal drive method for recovery of oil. 2,584,605, Feb. 5.

Merriam, Edmund S., Marietta, Ohio, and F. Squires, Champaign, Ill. Thermal drive method for recovery of oil. 2,584,606, Feb. 5.

Merrill, Lawrence V.: *See*—
Cahill, Arthur T., and Merrill.

Merrow Machine Company, The, assignee: *See*—
Washburn, John M.

Metal Hydrides Incorporated, assignee: *See*—
Alexander, Peter P.

Metzger, William J., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Retractable car coupler. 2,584,486, Feb. 5.

Michel, Philip C., Schenectady, N. Y., assignor to General Electric Company. Electronic relay. 2,584,728, Feb. 5.

Micromatic Hone Corporation, assignee: *See*—
Peden, Douglas T.

Mihara, Tetsuo: *See*—
Baldwin, Henry J., A. N., and Mihara.

Miles, Lawrence D., Baltimore, Md. Nipple and dispensing device. 2,584,359, Feb. 5.

Miller, Bernard, Sheffield, England. Making knife blades. 2,584,470, Feb. 5.

Miller, Charles F., Frederick, and C. J. Murphy, Baltimore, assignors to Price Electric Corporation, Frederick, Md. Coaxial relay. 2,584,901, Feb. 5.

Miller, George W., Cedars, Pa. Device for extracting pipes from wells. 2,584,902, Feb. 5.

Miller, Harold V., Arlington, Va. Door check. 2,584,903, Feb. 5.

Miller, Mathias J., Evansville, Ind. Telephone attachment. 2,584,807, Feb. 5.

Mills, George A., Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Production of a catalyst from clay. 2,584,148, Feb. 5.

Minnesota and Ontario Paper Company, assignee: *See*—
Anderson, Emitt S., and Haley.

Mischke, Alice, Zurich, Switzerland. Sheet-cutting machine having a traveling cutter-carriage and a motor-driven reciprocating cutter. 2,584,487, Feb. 5.

Mitchell, Charles, Longview, Wash., assignor to H. Mitchell. Logger's pike. 2,584,488, Feb. 5.

Mitchell, Helen, assignee: *See*—
Mitchell, Charles.

Modine Manufacturing Company, assignee: *See*—
Spieth, Benjamin.

Moffitt, Ralph C., Louisville, and C. C. Chelf, Lebanon, Ky., assignors of one-third to said Moffitt and two-thirds to said Chelf. Vehicle operation recorder. 2,584,149, Feb. 5.

Monger, James F., Chicago, Ill. Hinge mechanism for swinging barriers. 2,584,904, Feb. 5.

Monsanto Chemical Company, assignee: *See*—
Beardsell, Wallace A., and Hay.

Montanus, Richard C., Dayton, assignor to The Springfield Machine Tool Co., Springfield, Ohio. Indicating and setting mechanism for machine tools. 2,584,360, Feb. 5.

Morine, Charles V., Wahiawa, Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Harvesting machine. 2,584,361, Feb. 5.

Morkoski, James, Canton, Ill., assignor to International Harvester Company. Tractor mounted cultivator. 2,584,217, Feb. 5.

Morlock, Harry E., Medina, Ohio. Pot type burner apparatus. 2,584,281, Feb. 5.

Morris, Herman J., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of nutlike products from dry beans. 2,584,150, Feb. 5.

Morris Paper Mills, assignee: *See*—
Arneson, Edwin L.
Laabs, Gustave H.

Morrison, Floyd L., Weirton, W. Va., assignor to National Steel Corporation. Blowing ferrous metal. 2,584,151, Feb. 5.

Morrison, Floyd L., Trenton, Mich., assignor to National Steel Corporation. Blowing iron. 2,584,152, Feb. 5.

Morrison, Gilbert H., Peotone, Ill. Funnel with spout and vent closure. 2,584,216, Feb. 5.

Morrison, Laurence B., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Display stand. 2,584,489, Feb. 5.

Morson, Terrill F.: *See*—
Buckman, Edward A., and Morson.

Morton, Henry C.: *See*—
Walters, Gustav, and Morton.

Moskowitz, Morris, Corporation, assignee: *See*—
Kohn, Leo.

Motor Wheel Corporation, assignee: *See*—
Horn, Harry J.

Motorola, Inc., assignee: *See*—
Crooker, Robert M., and Heisig.
Fyler, George W., and Wingert.
Wingert, Raymond R.

Moulton, Harold R., and E. D. Tillyer, assignors to American Optical Company, Southbridge, Mass. Surface reflection modifying solutions. 2,584,905, Feb. 5.

Mozal, William H., trustee, assignee: *See*
Nardulli, Michael J.

Muchmore, Robert B.: *See*—
Sensiper, Samuel, Muchmore, and Hupdey.

Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Antistatic photographic film. 2,584,362, Feb. 5.

Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Electronic counting device. 2,584,363, Feb. 5.

Murphy, Charles J.: *See*
Miller, Charles F., and Murphy.

Murphy, John E., and G. W. P. Beckemeier, Spokane, and E. C. Couture, Colbert, assignors of fifty per cent to F. N. Norton, North Richland, Wash. Can punch. 2,584,490, Feb. 5.

Murray Corporation of America, The, assignee: *See*—
Gould, Byron C.

Murrell, Ernest B., assignor of one-half to J. A. Boyd, Little Rock, Ark. Broom and mop rack. 2,584,219, Feb. 5.

Naeked, Charles E., Valley City, N. Dak. Loading and unloading chute for vehicles. 2,584,396, Feb. 5.

Naples, Angelo F., trustee, assignee: *See*
Nardulli, Michael J.

Nardulli, Michael J., Elmwood Park, Ill., assignor to M. J. Nardulli, A. F. Naples, P. F. Nardulli, and W. H. Mozal, as trustees, under a trust known as "Western Engineering Trust." Venetian blind. 2,584,607, Feb. 5.

Nardulli, Peter F., trustee, assignee: *See*—
Nardulli, Michael J.

Narrin, Austin R., Lake Orion, assignor to G. I. Goodwin, Birmingham, Mich. Clutch driven plate. 2,584,906, Feb. 5.

National Automotive Fibres, Inc., assignee: *See*—
Olsen, Burton A.

National Cash Register Company, The, assignee: *See*—
Allyn, Charles S., Jr.
Goldberg, Maximilian M.
Mumma, Robert E.
Oblinger, William F.

National Electric Instrument Co., Inc., assignee: *See*—
Rubens, Harry S., and Suwa.

National Malleable and Steel Castings Company, assignee: *See*—
Metzger, William J.

National Novelty Company, assignee: *See*—
Schleenbaker, Jack P.

National Steel Corporation, assignee: *See*—
Morrison, Floyd L.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Dodge, Barnett F.
Hare, Donald G. C.
Preston, William M.
Thralls, Marvin A.
Witzky, Julius E.

Nelson, Frederick, Lakewood, Ohio. Distributor. 2,584,907, Feb. 5.

Nelson, Oscar G., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Holding apparatus for testing cable. 2,584,282, Feb. 5.

Nelson, Ted, San Leandro, Calif., assignor to Gregory Industries, Inc. Spot welding. 2,584,491, Feb. 5.

Neufeld, Leonard C., assignor to The Delman Corporation, Des Moines, Iowa. Diaphragm pump. 2,584,552, Feb. 5.

New Castle Products, Inc., assignee: *See*—
Brenner, Ray A., and Plaineaux.

Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Method of and apparatus for nodulization of iron ore. 2,584,808, Feb. 5.

Newton, Herman S., Temple, Tex. Dowel cutting head. 2,584,192, Feb. 5.

New York Air Brake Company, The, assignee: *See*—
Silcox, Lewis K.

Nezamis, Frank E., Kalamazoo, Mich. Mophead with quick releasing mop clamp. 2,584,729, Feb. 5.

Nihon, Alexis, Montreal, Quebec, Canada. Lubricating and cooling means for bearings. 2,584,220, Feb. 5.

Norden Laboratories Corporation, The, assignee: *See*—
Schaefer, Carl F.

Norton, Fred N., assignee: *See*—
Murphy, John E., Beckemeier, and Couture.

Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Stabilization of microwave oscillators. 2,584,608, Feb. 5.

Novak, John: *See*—
McDonald, John H., and Novak.

Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co. Inc., New York, N. Y. Envelope feeding mechanism. 2,584,730, Feb. 5.

NuTone, Inc., assignee: *See*—
Spear, Walter A.

Oberlin, Lyman M., Dewey, Okla., assignor to Phillips Petroleum Company. Computer for solving simultaneous equations. 2,584,809, Feb. 5.

Oberman, Roelof M. M., The Hague, Netherlands. Zero voltage identification device for selector positioning. 2,584,153, Feb. 5.

Oblinger, William F., assignor to The National Cash Register Company, Dayton, Ohio. Hand stamp printing device. 2,584,908, Feb. 5.

Ockenfels, Leo, Watkins, Iowa. Poultry nest. 2,584,909, Feb. 5.

O'Connor, Bernard E., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Rotary hydraulic shock absorber. 2,584,221, Feb. 5.

O'Connor, Bernard E., Buffalo, N. Y., assignor to Houdaille Hershey Corporation, Detroit, Mich. Auxiliary mass and viscose damping for free and self-excited vibrations. 2,584,222, Feb. 5.

Office of Scientific Research and Development, United States of America as represented by the Executive Secretary of the, assignee: *See*—
Volkmann, John.

Ogawa, Tetsuwo, Kawasaki, Kanagawa Prefecture, assignor to Ajinomoto Kabushiki Kaisha, Tokyo, Japan. Manufacturing method of solid L-mono-sodium glutamate monohydrate. 2,584,731, Feb. 5.

Ohlwiler, Clarence H., Southbridge, Mass. Dissolving soluble solids in liquids. 2,584,910, Feb. 5.

O'Kane, Le Roy T. D., Pittsburgh, Pa. Perpetual calendar. 2,584,810, Feb. 5.

Okun, Jack, assignor of one-half to J. Velick, Chicago, Ill. Adjustable armrest. 2,584,732, Feb. 5.

Olaer-Marine, assignee: *See*—
Audemar, Pierre G. J. M., and Gerard.

Olcott, James D.: *See*
Hoffman, Allan C., Geddes, and Olcott.

Olin Industries, Inc., assignee: *See*—
Sefried, Harry H., II.

Oliver, Conrad J., Waukegan, and J. Kupski, assignors to The Chicago Hardware Foundry Company, North Chicago, Ill. Fastening means for telescoping tubular members. 2,584,283, Feb. 5.

Oliver, Emerson T., Marblehead, Mass. Coiling device and attachment for drill presses or the like. 2,584,154, Feb. 5.

Oliver Instrument Company, assignee: *See*—
Garrison, Clifford L.

Olsen, Burton A., Oakland, Calif., assignor to National Automotive Fibres, Inc., Detroit, Mich. Looped pile rug. 2,584,493, Feb. 5.

Olson, Walter A., Kendall, Fla. Perishable product processing cabinet. 2,584,494, Feb. 5.

Oman, Nils J.: *See*—
Beard, Joseph G., and Oman.

Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Pressure carburetor. 2,584,911, Feb. 5.

Osborn, Milo K., Loveland, Colo. Automatically opening head gate. 2,584,364, Feb. 5.

Osborn, Ralph C., assignor to Eureka Williams Corporation, Bloomington, Ill. Conversion arrangement for suction cleaners. 2,584,495, Feb. 5.

Osborne, Le Roy M.: *See*—
Stockfleth, Berger, and Osborne.

Oster, John, Manufacturing Company, assignee: *See*—
Luther William P., and Rudat.

Our Savior's Evangelical Lutheran Church, assignee: *See*
Sundholm, Edwin P.

Owen, Gayle G., Minden, La. Awning. 2,584,609, Feb. 5.

Owens-Corning Fiberglas Corporation, assignee: *See*
Hogendobler, Henry R.
Waggoner, Jack H.

Owens, Freeman H., New York, N. Y. Fader for radio receiving or other apparatus. 2,584,155, Feb. 5.

Owens, Freeman H., New York, N. Y. Magazine having spool rotation inhibiting means. 2,584,733, Feb. 5.

Owens, Freeman H., New York, N. Y. Control mechanism. 2,584,734, Feb. 5.

Packard Motor Car Company, assignee: *See*—
McFarland, Forest R.

Packer, Donald M., Alexandria, Va. Abrasion resistance tester. 2,584,156, Feb. 5.

Pálffy, L. Alphonso, Kispest, Hungary, assignor to Albert Strojan, New York, N. Y. Electric motor. 2,584,365, Feb. 5.

Palmer, William J. G., Surbiton, England. Camera. 2,584,912, Feb. 5.

Pancoast, William G., Evanston, Ill. Dispensing applicator and massaging device. 2,584,735, Feb. 5.

Pangborn Corporation, assignee: *See*—
Huyett, Robert B.

Parish, Frank P., assignor to Sanitary Products Corporation, Taneytown, Md. Coiling article attached string. 2,584,913, Feb. 5.

Parker Pen Company, The, assignee: *See*—
Frentzel, Herman C.

Pataki, John: *See*—
Rosenkranz, George, Kaufmann, and Pataki.

Paternoster, Eric S., Queens Village, N. Y. Radiator designed to permit regulation of active heat radiation surface thereof. 2,584,914, Feb. 5.

Pearson, Carl F., assignor to Industrial Equipment Co., Chicago, Ill. Removable head axle. 2,584,610, Feb. 5.

Pearson, Frank G., Bryn Mawr, Pa., assignor to American Viscose Corporation, Wilmington, Del. Copolymers of trifluorochloroethylene and styrene. 2,584,284, Feb. 5.

Pechy, William, Manasquan, N. J., assignor to American Can Company, New York, N. Y. Transfer mechanism for articles. 2,584,157, Feb. 5.

Peden, Douglas T., Ann Arbor, assignor to Micromatic Hone Corporation, Detroit, Mich. Alignment mandrel. 2,584,611, Feb. 5.

Pedersen, Svend L., Copenhagen, Denmark. Strain relief for electrical connectors. 2,584,285, Feb. 5.

Peez, Helen V., assignee: *See*—
Kirby, Harold L.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Sprauer, Jerome W., and Sprout.

Perfection Steel Body Company, The, assignee: *See*—
Kruger, Henry E.

Perfex Corporation, assignee: *See*—
Elmermann, Lloyd R.

Perry, Claude R., Waco, Tex. Combined vehicle bumper and trailer hitch. 2,584,366, Feb. 5.

Perry, Donald B., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Telegraph switching system. 2,584,736, Feb. 5.

Petelinsek, Frank, Milwaukee, Wis. Bell. 2,584,223, Feb. 5.

Pfaffko, Charles H., Lymansville, R. I. Fastening device. 2,584,224, Feb. 5.

Pfizer, Chas., & Co., Inc., assignee: *See*—
Buckley, Jay S., Jr.

Phelps, Byron E., Chatham, N. J., assignor to International Business Machines Corporation, New York, N. Y. Electronic counting circuit. 2,584,811, Feb. 5.

Philco Corporation, assignee: *See*—
Tiley, John W.

Phillips Petroleum Company, assignee: *See*—
Oberlin, Lyman M.
Piety, Raymond G.
Reynolds, William B., Wicklatz, and Kennedy.
Ryan, Martin A.
Tucker, Charles M., and Wells.

Pierce, Jerry A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Preparation and drying of catalytic hydrogel beads. 2,584,286, Feb. 5.

Pierce, John B., Foundation, assignee: *See*—
Da Fano, Ettore.

Pierson, Earl, Harrisonburg, Va., and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of β-methylmercaptopropionaldehyde. 2,584,496, Feb. 5.

Piety, Raymond G., Tuckahoe, N. Y., assignor to Phillips Petroleum Company. Spring. 2,584,612, Feb. 5.

Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatic hydrocarbons. 2,584,103, Feb. 5.

Pitman, Louis K., New York, N. Y. Apparatus for transferring liquid from one container to another. 2,584,397, Feb. 5.

Plaineaux, Marvin J.: *See*—
Brenner, Ray A., and Plaineaux.

Plax Corporation, assignee: *See*—
Bailey, James.

Pledger, William A., San Francisco, Calif. Kitchen stove ventilator. 2,584,613, Feb. 5.

Plessey Company Limited, The, assignee: *See*—
Cleave, Edgar S., and Trowbridge.
Da Costa, Harry.

Plunguian, Mark, Gillette, and J. L. Riley, East Orange, N. J., assignors to Celanese Corporation of America, New York, N. Y. Mixing apparatus. 2,584,225, Feb. 5.

Pogacsnik, Leopold, Cleveland, Ohio. Bowling pin refinishing lathe. 2,584,915, Feb. 5.

Pollard, Leon G., Southampton, assignor to The Western Union Telegraph Company, New York, N. Y. Combined facsimile transmitting and receiving equipment. 2,584,398, Feb. 5.

Polzer, Leopold A., assignee: *See*—
Blumauer, Ernst.

Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Apparatus for the delivering of liquids under pressure. 2,584,226, Feb. 5.

Poole, Winfred O., Thomasville, assignor of fifty per cent to W. H. Scales, High Point, N. C. Bag filler having an adjustably mounted pivot for bag engaging plate members. 2,584,497, Feb. 5.

Popeil, Samuel J., Chicago, Ill. Food slicer. 2,584,737, Feb. 5.

Porsche Konstruktionen Ges. m. b. H., assignee: *See*—
Rabe, Karl.

Posey, Frank E., Lancaster, Calif. Rodent trap and exterminator. 2,584,498, Feb. 5.

Post Machinery Company, assignee: *See*—
Fergnani, Walter P.

Potter, Howell L., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing. 2,584,227, Feb. 5.

Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Drive fastener. 2,584,812, Feb. 5.

Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastener for securing molding trims. 2,584,813, Feb. 5.

Pourciau, Louis L.: *See*—
Hodder, Wayne K., Pourciau, and Lee.

Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Making die-cast sliders. 2,584,916, Feb. 5.

Powell, Edward D., Middleboro, Mass. Level. 2,584,917, Feb. 5.

Power Jets (Research and Development) Ltd., assignee: *See*—
Howell, Alun R.
McLeod, Roderick C.

Pratt, William J., East Paterson, N. J., H. F. Seibert and R. C. Stribley, Mason, Mich., assignors to Wyeth Incorporated, Philadelphia, Pa. Recovery of lactose from mother liquor. 2,584,158, Feb. 5.

Precision Gear & Machine Company, assignee: *See*—
Hunter, Fred.

Preston, William M., Lincoln, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Rotatable wave guide joint. 2,584,399, Feb. 5.

Price Electric Corporation, assignee: *See*—
Miller, Charles F., and Murphy.

Procter & Gamble Company, The, assignee: *See*—
Henry, Ronald A.

Proctor, K. R., assignee: *See*—
Mattie, William A.

Przybylski, Daniel F., Winona, Minn. Digging adjustment for endless type trench excavators. 2,584,287, Feb. 5.

Przybylski, Daniel F., Winona, Minn. Endless conveyer of the belt type. 2,584,288, Feb. 5.

Puig Salsas, Anastasio, Badalona, Spain. Elevator conveyer truck. 2,584,918, Feb. 5.

Pullar, Harold B., assignor to Berry Asphalt Company, Magnolia, Ark. Pulverent asphaltic composition. 2,584,919, Feb. 5.

Pulverizing Machinery Company, assignee: *See*—
Sheldon, William M.

Punch Engineering Pty. Limited, assignee: *See*—
Skillman, Thomas S.

Pyne, Roger S., Longmeadow, assignor to Van Norman Company, Springfield, Mass. Apparatus for precision bore grinding. 2,584,499, Feb. 5.

Quaker Oats Company, The, assignee: *See*—
Dunlop, Andrew P., and Stout.

Rabe, Karl, Gmund on Karnten, assignor to Porsche Konstruktionen Ges. m. b. H., Gmund/Karnten, Austia. Cylinder head. 2,584,289, Feb. 5.

Radio Corporation of America, assignee: *See*—
Beard, Joseph G., and Oman.
Bousky, Samuel.
Cooper, Charles P., and Williamson-Noble.
Cuccia, Carmen L.
Fisher, Harold G.
Fredendall, Gordon L.
Grisdale, George L.
Hanchett, George D., Jr.
Hansell, Clarence W.
Keizer, Eugene O., and Landon.
Kissinger, Robert W., and Faulkner.
Longo, John, Tourshou, and Lewis.
Luck, David G. C.
Mackey, Donald.
MacKimmie, George B.
Norton, Lowell E.
Rosenberg, Milton, and Rajchman.
Snyder, Richard F., and Lee.

Rahn, Rudolph J., Dayton, Ohio. Alarm control for alarm clocks. 2,584,920, Feb. 5.

Rajchman, Jan A.: *See*—
Rosenberg, Milton, and Rajchman.

Ram, Inc., assignee: *See*—
Blackburn, Andrew R., and Steele.

Rand, H. J., Washing Machine Corp., assignee: *See*—
Rand, Henry J.

Rand, Henry J., assignor to H. J. Rand Washing Machine Corp., Bratenahl, Ohio. Water system protection for vacuum type washing. 2,584,290, Feb. 5.

Rand, Henry J., assignor to H. J. Rand Washing Machine Corp., Bratenahl, Ohio. Pulsator washer with vacuum drying. 2,584,291, Feb. 5.

Randall, David I., and S. R. Buc, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparing 3-halo-9-phthalimidomethyl benzanthrone. 2,584,367, Feb. 5.

Randall, David I., and S. R. Buc, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparing 3-phthalimidomethyl benzanthrone. 2,584,368, Feb. 5.

Rasmussen, Clarence T., Los Angeles, W. R. Frank, Bell, and H. I. Hagen, Long Beach, assignors to John Deere Killefer Company, Los Angeles, Calif. Tool clamping means. 2,584,614, Feb. 5.

Rauner, Lawrence A.: *See*—
Hunter, Melvin J., and Rauner.

Rawnsley, David W., South Kensington, London, E. R. Green, Guildford, and J. G. Gill, Rotherham, England. Counterbalancing a pivoted arm or member. 2,584,921, Feb. 5.

Ray, Robert H., Co., assignee: *See*—
Frowe, Eugene.

Raybestos-Manhattan, Inc., assignee: *See*—
Yocom, Alvin M., and D'Oller.

Raymond, Albert L.: *See*—
Cusic, John W., and Raymond.

Raytheon Manufacturing Company, assignee: *See*—
Spencer, Percy L.
Stutsman, Paul W.

Reconstruction Finance Corporation, assignee: *See*—
Dahl, George W.
Lauder, Wallace A.

Rees, Frank X., Chili, and R. H. Bechtold, Irondequoit, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system. 2,584,739, Feb. 5.

Reeves, Eugene J., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Chilling of oils. 2,584,966, Feb. 5.

Reid, John D.: *See*—
Daul, George C., and Reid.

Reid, John D., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Universal reproducing stylus. 2,584,922, Feb. 5.

Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Cigarette case retaining arm. 2,584,923, Feb. 5.

Reiner, Robert, Inc., assignee: *See*—
Laubach, Fritz.

Reingruber, Frank and J., New York, N. Y. Thermostat. 2,584,924, Feb. 5.

Reingruber, Joseph: *See*—
Reingruber, Frank and J.

Reitz, Paul J., Hamilton, Ohio, assignor of forty-nine per cent to G. E. Dolch, Portland, Ind. Portable power-operated surface abrader. 2,584,738, Feb. 5.

Remington Rand Inc., assignee: *See*
Sachs, Hans W.

Remington Rand Inc., assignee: *See*—
Sachs, Hans W., and Borck.

Renton, Henry N., Germantown, assignor to Hunter Manufacturing Corporation, Bristol, Pa. Screen attachment for windows. 2,584,369, Feb. 5.

Renuzit Home Products Co., assignee: *See*
Koegler, Milton.

Republic Steel Corporation, assignee: *See*—
Meissner, Herman P., and Hyde.

Reynolds, Harry R., assignor to The Fafnir Bearing Company, New Britain, Conn. Self-locking bearing collar. 2,584,740, Feb. 5.

Reynolds, William B., J. E. Wicklatz, and T. J. Kennedy, Bartlesville, Okla., assignors to Phillips Petroleum Company. Emulsion polymerization of vinylidene compounds in the presence of hydroperoxides of alkyltetrahydronaphthalenes. 2,584,773, Feb. 5.

Richards, Ward F., Bethlehem, Pa., assignor to Bethlehem Steel Company. Thermocouple device. 2,584,615, Feb. 5.

Richards, Ward F., Bethlehem, Pa., assignor to Bethlehem Steel Company. Thermocouple device. 2,584,616, Feb. 5.

Rickles, William T., Oneonta, Ala. Laundry iron support. 2,584,370, Feb. 5.

Rideout, Arthur E., Chicago, Ill., assignor, by mesne assignments, to Embart Manufacturing Company. Machine for closing cartons. 2,584,925, Feb. 5.

Ridings, Garvice H.: *See*—
Wise, Raleigh J., and Ridings.

Riepe, Herbert C., Fort Worth, Tex. Key holder. 2,584,617, Feb. 5.

Riley, Howard P., Barnum, assignor of one-half to J. A. Eddy, Minneapolis, Minn. Record device. 2,584,228, Feb. 5.

Riley, Jesse L.: *See*—
Plunguian, Mark, and Riley.

Riordan, Albert O., assignor to Baker Perkins Inc., Saginaw, Mich. Closure mechanism for pressure vessels. 2,584,500, Feb. 5.

Rippere, Robert O.: *See*—
Davis, Richard C., Fogarty, and Rippere.

Roberts, Robert E., Ridgefield, Conn. Making flexible corrugated tubes. 2,584,501, Feb. 5.

Robertshaw-Fulton Controls Company, assignee: *See*—
Branson, Charles D.
Giesler, Jean V., and Cate.
Hajek, William J.
Hurlbut, James H., and Helninger.
Kaserman, John A.

Roble, Raymond A., Outremont, Montreal, Quebec, Canada. Humidifier and evaporative cooler. 2,584,618, Feb. 5.

Roche, John C.: *See*—
Watson, Nathan J., and Roche.

Rochester Manufacturing Company, assignee: *See*—
Hastings, Warren W., and Tollefsen.

Rockwell Manufacturing Company, assignee: *See*—
Batcheider, George E., and Macneil.
Scherer, George F.

Rogers, Harvey R., Springfield, Ill. Stop light mechanism for motor vehicles. 2,584,292, Feb. 5.

Rohm & Haas Company, assignee: *See*—
Croxall, Willard J., and Dawson.

Roll, Herman J. W., Dorridge, assignor to The Birmingham Small Arms Company Limited, Birmingham, England. Plunger for inflating pumps. 2,584,926, Feb. 5.

Rolls-Royce Limited, assignee: *See*—
Griffith, Alan A.

Rosenberg, Milton, Trenton, and J. A. Rajchman, Princeton, N. J., assignors to Radio Corporation of America. Color television picture tube. 2,584,814, Feb. 5.

Rosenkranz, George, S. Kaufmann, and J. Pataki, assignors to Syntex, S. A., Mexico City, Mexico. Producing 2-halo-allopregnane-17α-ol-3,20-dione. 2,584,159, Feb. 5.

Rossier, Michel: *See*—
Vanharen, Lambert, Rossier, and Vandeur.

Rubens, Harry S., Manhasset, and I. Suwa, Jackson Heights, assignors to National Electric Instrument Co., Inc., Elmhurst, N. Y. Obturator lock of endoscopic instrument. 2,584,619, Feb. 5.

Rubin, Julius, New York, N. Y. Garment trimming machine. 2,584,620, Feb. 5.

Rudat, George: *See*—
Luther, William P., and Rudat.

Rugen, Daniel L.: *See*—
Daum, Harold, and Rugen.

Runge, Frank E.: *See*—
Johnson, Edward P., and Runge.

Russell Manufacturing Company, The, assignee: *See*—
Walters, Gustav and Morton.

Russell, Ray A., Santa Ana, Calif. Garden and beach umbrella. 2,584,502, Feb. 5.

Ryan, Martin A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater. 2,584,621, Feb. 5.

SKF Industries, Inc., assignee: *See*—
Sandström, Nils J. L.

Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Fluid operated reciprocating piston type windshield wiper motor. 2,584,229, Feb. 5.

Sachs, Hans W., Binghamton, N. Y., and C. C. Borck, Chicago, Ill., assignors to Remington Rand Inc., Buffalo, N. Y. Drive for continuous processing machines. 2,584,293, Feb. 5.

Sachs, Hans W., Binghamton, assignor to Remington Rand Inc., New York, N. Y. Photographic film processing apparatus. 2,584,294, Feb. 5.

Saco-Lowell Shops, assignee: *See*—
Taylor, Merton W.

Sahyun, Melville, St. Johns, Mich. Dialkylammoalkyl esters of phenyl halogenated ortho-hydroxybenzoic acids. 2,584,160, Feb. 5.

St. Clair Machine Products Company, assignee: *See*—
Spang, William H.

Salfisberg, Leroy L., South Orange, assignor, by mesne assignments, to Ivers-Lee Company, Newark, N. J. Power-operated hydraulic sealer and crimper. 2,584,815, Feb. 5.

Sanborn, Frank E., assignor to The Dole Valve Company, Chicago, Ill. Base construction for dispensers. 2,584,927, Feb. 5.

Sands, Matthew L., Everett, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electroplating control system. 2,584,816, Feb. 5.

Sandström, Nils J. L., Goteborg, Sweden, assignor to SKF Industries, Inc., Philadelphia, Pa. Adjustable gauge. 2,584,741, Feb. 5.

Sandvikens Jernverks Aktiebolag, assignee: *See*—
Höglund, Stig P. G.

Sanitary Products Corporation, assignee: *See*—
Parish, Frank P.

Santos, Bernardino, Rio Piedras, P. R. Louver type window. 2,584,928, Feb. 5.

Sanzenbacher, Donald L., Toledo, Ohio. Culinary accessory. 2,584,295, Feb. 5.

Savannah Sugar Refining Corporation, assignee: *See*—
Allen, Howard G.

Scales, Wilbur H., assignee: *See*—
Poole, Winfred O.

Scaturro, Peter S.: *See*—
Decker, Charles A., and Scaturro.

Schnefer, Carl F., Port Washington, assignor to The Norden Laboratories Corporation, New York, N. Y. Reciprocal integrator gearing. 2,584,230, Feb. 5.

Scheeline, Harold W., West Orange, N. J., assignor to Standard Oil Development Company. Countercurrent contacting of solids and gases. 2,584,296, Feb. 5.

Schenley Industries, assignee: *See*—
Wolf, Standford J.

Scherer, George F., San Francisco, Calif., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Producing crack free hard facing metal coatings. 2,584,161, Feb. 5.

Scherer, John O.: *See*—
Scherer, Robert P. and J. O.

Scherer, R. P., Corporation, assignee: *See*—
Scherer, Robert P. and J. O.

Scherer, Robert P., Detroit, and J. O. Scherer, Grosse Pointe Park, assignors to R. P. Scherer Corporation, Detroit, Mich. Process of and mechanism for fabricating filled capsules. 2,584,622, Feb. 5.

Schilling, Philip R., Benton Harbor, Mich. Combined high chair and ladder. 2,584,742, Feb. 5.

Schleenbaker, Jack P., assignor to National Novelty Company, Lancaster, Pa. Bottle brush with pivoted handle. 2,584,503, Feb. 5.

Schmidt, Frank G., San Jose, Calif. Fishhook baiter. 2,584,231, Feb. 5.

Schmuidt, Karl A., Emmaus, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for guiding lead wires to be soldered to crystals. 2,584,297, Feb. 5.

Schneider, William R., Berkeley, Calif. System and method for protecting pipes and other current conducting structures against electrolytic corrosion. 2,584,623, Feb. 5.

Schoenberger, W. J., Company, The, assignee: *See*—
Stuckenholt, Casper S.

Schoonmaker, Raymond B., S. P. Becker, and H. R. Wengen, assignors to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y. Messenger wire clamp. 2,584,743, Feb. 5.

Schwab, Emil P., Mount Lebanon, Pittsburgh, Pa. Antiskid and traction appliance for motor vehicle wheels. 2,584,625, Feb. 5.

Schwartz, Leonard W., Henrietta, N. Y. Infant's bathing and dressing stand. 2,584,744, Feb. 5.

Seagram, Joseph E., & Sons, Inc., assignee: *See*—
Capstack, Eugene J., and Brown.

Searle, G. D., & Co., assignee: *See*—
Cusic, John W., and Raymond.
Huffman, Max N.

Seay, James I., Jr., Memphis, Tenn. Antistall mechanism for airplanes. 2,584,298, Feb. 5.

Sédille, Marcel H. L., assignor to Societe Rateau (Société Anonyme), Paris, France. Gas turbine power plant, including means to treat combustion products between sucessive stages of expansion. 2,584,232, Feb. 5.

Seeber, Eugene A., Rochester, N. Y. Paintbrush guard. 2,584,504, Feb. 5.

Seeger Refrigerator Company, assignee: *See*—
Swedman, Enoch.

Sefried, Harry H., II, assignor to Olin Industries, Inc., New Haven, Conn. Fire-control mechanism for firearms. 2,584,299, Feb. 5.

Segel, Edward: *See*—
Lidov, Rex E., Hyman, and Segel.

Segel, Edward, R. E. Lidov, and J. Hyman, Denver, Colo.; said Segel and said Lidov assignors to Velsicol Corporation, Chicago, Ill. Isomers of Diels-Alder adducts of hexahalocyclopentadiene with quinones. 2,584,140, Feb. 5.

Seibert, Howard F.: *See*—
Pratt, William J., Seibert, and Stribley.

Seliber, Joseph, Brooklyn, N. Y. Pilot injection nozzle. 2,584,745, Feb. 5.

Selzer, John, Fort Wayne, Ind., assignor to International Harvester Company. Tire carrier. 2,584,233, Feb. 5.

Seneca Falls Machine Company, assignee: *See*—
Smith, Edwin R.

Sensiper, Samuel, Cambridge, Mass., R. B. Muchmore, Los Angeles County, Calif., and J. V. Hupcey, Hempstead, assignors to The Speery Corporation, Great Neck, N. Y. Impedance matching device for wave guide junctions. 2,584,162, Feb. 5.

Servel, Inc., assignee: *See*—
Berry, Norton E.

Severson, Ole C., Derby, assignor to The Viking Tool Company, Shelton, Conn. Toolholder. 2,584,505, Feb. 5.

Sewell, Dora, Canal Point, Fla. Hem marker. 2,584,929, Feb. 5.

Shackel, Joseph T., Detroit, Mich. Fishing gaff. 2,584,371, Feb. 5.

Sharp & Dohme, Incorporated, assignee: *See*—
Skeggs, Helen R.

Sheldon, William M., Elizabeth, assignor to Pulverizing Machinery Company, Summit, N. J. Reversing drive mechanism for cleaning-air tubes in self-cleaning filters. 2,584,746, Feb. 5.

Shell Development Company, assignee: *See*—
Garner, Philip J., and Donovan.
Guarin, Paul L.
Shinouda, Henry.

Shellmar Products Corporation, assignee: *See*—
Southwick, Charles A., Jr.

Sherron, Percival H., Jamaica, N. Y. Door. 2,584,624, Feb. 5.

Sherron, Percival H., Jamaica, N. Y. Telephone booth. 2,584,626, Feb. 5.

Shinouda, Henry, Cairo, Egypt, assignor to Shell Development Company, San Francisco, Calif. Oil base drilling fluid. 2,584,930, Feb. 5.

Shreve, Earl W., Indianapolis, Ind. Freight support structure for trucking vans and the like. 2,584,506, Feb. 5.

Shuh, Lewis M.: *See*—
Mast, Gifford M., Gannett, and Shuh.

Siegel, A. L., Co., Inc., assignee: *See*—
London, Emanuel M.

Siegel, Benjamin E., assignee: *See*—
Caster, William F.

Siemens - Schuckertwerke, Aktiengesellschaft, assignee: *See*—
Belamin, Michael.
Kehbel, Heinz G.

Sigler, Howard R.: *See*—
Laystrom, Carl A., and Sigler.

Sill, John E., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Line spacing control for typewriters. 2,584,817, Feb. 5.

Silleox, Lewis K., Watertown, N. Y., assignor to The New York Air Brake Company. Safety device for accessory apparatus on railway trains. 2,584,234, Feb. 5.

Simmers, Charles D., Hopatcong, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Liquid binder. 2,584,300, Feb. 5.

Sinclair Industries, Inc., assignee: *See*—
Sinclair, Melroy.

Sinclair, Melroy, Richmond Heights, assignor to Sinclair Industries, Inc., St. Louis, Mo. Mounted dog feeder. 2,584,301, Feb. 5.

Skeggs, Helen R., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Stabilized vitamin B_{12} composition. 2,584,627, Feb. 5.

Skelly, John S., Monongahela, Pa., assignor to Combustion Engineering-Superheater, Inc. Automatic control means for stokers. 2,584,235, Feb. 5.

Skillman, Thomas S., Mosman, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Stock distribution system. 2,584,628, Feb. 5.

Skoog, John A., Grastorp, Sweden. Grip tongs. 2,584,236, Feb. 5.

Slater, John M.: *See*—
Harcum, William M., and Slater.

Sloan, Harry E., assignor to The Cushman Chuck Company, Hartford, Conn. Swivel connection for air operated chucks. 2,584,747, Feb. 5.

Smallshaw, Francis E., assignor to Ashton Brothers & Company Limited, Hyde, England. Traverse mechanism of spinning machines. 2,584,237, Feb. 5.

Smith Cannery Machines Company, assignee: *See*—
Fonken, William A., and Auer.

Smith, Carl T.: *See*—
Widmer, John H., and Smith.

Smith, Clarence C., Flushing, N. Y., assignor of one-half to E. F. Hartley, Onancock, Va. Lens coupled range finder for cameras. 2,584,818, Feb. 5.

Smith, Edwin R., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Power-operated mechanism for moving a tool slide and tool slide carriage. 2,584,629, Feb. 5.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Flush tank lever. 2,584,931, Feb. 5.

Smith, Russell J., Houghton, and R. J. Marcotte, Lake Linden, assignors to Square D. Company, Detroit, Mich. Silver solder alloy. 2,584,774, Feb. 5.

Smith, W. H., & Son Limited, assignee: *See*—
Evans, Albert.
Lanegan, Frederick E., and Maguire.

Smith, Wolcott M., Springfield, Mass., assignor, by mesne assignments, to General Instrument Corporation, Elizabeth, N. J. Vacuum tube regulating apparatus. 2,584,748, Feb. 5.

Smithe, F. L., Machine Co., Inc., assignee: *See*—
Novick, Abraham.

Smits, Wytze B., Voorburg, assignor to Smitsvonk N. V., Rijswijk (Z. H.), Netherlands. Electrical ignition system. 2,584,507, Feb. 5.

Smitsvonk N. V., assignee: *See*—
Smits, Wytze B.

Snavely, Clarence S., Churchill Borough, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Electrical relay. 2,584,749, Feb. 5.

Snyder, Richard F., Oreland, and W. S. Lee, Ivyland, Pa., assignors to Radio Corporation of America. Television kinescope projection circuit. 2,584,932, Feb. 5.

Societe des Usines Chemiques Rhone-Poulenc, assignee: *See*—
Bidaud, Auguste F., and Ceyzeriat.

Societe Rateau (Société Anonyme), assignee: *See*—
Sédille, Marcel H. L.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
McCracken, John H.
Reeves, Eugene J.
Stine, Harrison M.

Solvay & Cie, assignee: *See*—
Vanharen, Lambert, Rossier, and Vandeur.

Sonneman, Paul R., Chicago, Ill., assignor to International Harvester Company. Disk harrow. 2,584,238, Feb. 5.

Sonnino, Carlo, Milan, Italy. Anodic oxidation of aluminum and its alloys. 2,584,400, Feb. 5.

Soss, Mark, Spokane, Wash. Window washing fountain brush. 2,584,630, Feb. 5.

Soss, Mark, Spokane, Wash. Window washing mixture fountain brush. 2,584,631, Feb. 5.

Sotres, Ricardo M.: *See*—
Lloyd, William R., and Sotres.

Soundscriber Corporation, The, assignee: *See*—
Johnson, Edward P., and Runge.

Southwick, Charles A., Jr., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Making containers. 2,584,632, Feb. 5.

Southwick, Charles A., Jr., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Container with fused reinforced seam. 2,584,633, Feb. 5.

Spang, William H., assignor to St. Clair Machine Products Company, Cleveland, Ohio. Resiliently expanded scraper device for removing carbon from valve guides. 2,584,634, Feb. 5.

Spanski, Leo, Chicago, Ill. Vending machine for bulk material. 2,584,750, Feb. 5.

Speakman, John B., and N. H. Chamberlain, Leeds, and C. M. C. Dorkin, York, assignors to Alginate Industries Limited, London, England. Production of compounds of alginic acid and its derivatives. 2,584,508, Feb. 5.

Spear, Walter A., assignor to NuTone, Inc., Cincinnati, Ohio. Grill for ventilating fans. 2,584,933, Feb. 5.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Silylphenoxyalcohols. 2,584,751, Feb. 5.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Trimethylsilylphenoxy esters. 2,584,752, Feb. 5.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Radio object-locating system. 2,584,509, Feb. 5.

Spencer, Ralph D.: *See*—
Blomquist, Alfred T., and Spencer.

Spero, George B.: *See*—
Levin, Robert H., McIntosh, and Spero.

Sperry Corporation, The, assignee: *See*—
Haglund, Howard H.
Harcum, William M., and Slater.
Haskins, Robert, Jr.
Sensiper, Samuel, Muchmore, and Hupcey.

Spiegel, Lawrence, Bronx, C. Behensky, Rockland Lake, and M. Druck, Lido Beach, assignors to House Beautiful Curtains, Inc., New York, N. Y. Curtain. 2,584,635, Feb. 5.

Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Heat transfer element. 2,584,239, Feb. 5.

Spiaine, Edward M., assignor to American Optical Company, Southbridge, Mass., Eye protection device. 2,584,934, Feb. 5.

Spooner Dryer & Engineering Company Limited, The, assignee: *See*—
Spooner, William W.

Spooner, William W., Ilkley, England. Treatment of textiles. 2,584,753, Feb. 5.

Spooner, William W., assignor to The Spooner Dryer & Engineering Company Limited, Ilkley, England. Machine for the treating of web material. 2,584,754, Feb. 5.

Spraner, Jerome W., Niagara Falls, N. Y., and O. S. Sprout, Jr., North Hills, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Handling of fluoboric acid. 2,584,819, Feb. 5.

Springfield Machine Tool Co., The, assignee: *See*—
Montanus, Richard C.

Sprinkel, Robert B., Takoma Park, Md., H. D. Umstott, Washington, D. C., and H. E. Knight, Jr., Arlington, Va. Detachable auxiliary steering wheel for dual control assemblies. 2,584,636, Feb. 5.

Sprinkle, Eugene, St. Paul, Minn. Hair clip. 2,584,637, Feb. 5.

Sprout, Oliver S., Jr.: *See*—
Spraner, Jerome W., and Sprout.

Square D Company, assignee: *See*—
Smith, Russell J., and Marcotte.

Squires, Fred H., Arcadia, Calif. Boat loading and carrying means. 2,584,163, Feb. 5.

Squires, Frederick: *See*—
Merriam, Edmund S., and Squires.

Stallan, William J., Cambridge, England. Rip cord operating device for parachutes. 2,584,164, Feb. 5.

Standard Oil Company, assignee: *See*—
Brown, Herbert C.

Standard Oil Development Company, assignee: *See*—
Bourgeois, Vairie E.
Hodges, Linnie P.
Pierce, Jerry A., and Kimberlin.
Scheeline, Harold W.

Stapling Machines Co., assignee: *See*—
Kingsley, David G.

Starr, Alfred R., New York, N. Y. Interference prevention circuit. 2,584,165, Feb. 5.

Stande, Edwin G., Minneapolis, Minn. Unloading valve mechanism for fluid pressure pumps. 2,584,638, Feb. 5.

Stead, Richard H.: *See*—
Swenson, James A., Burns, and Stead.

Steele, Richard E.: *See*—
Blackburn, Andrew R., and Steele.

Steiger, Norbert, Nutley, and O. Keller, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Carboxyalkylmercapto stibonic acid compounds. 2,584,639, Feb. 5.

Stein, Shachno, Brooklyn, N. Y. Electric heating device. 2,584,302, Feb. 5.

Steinhoff, Raymond J., Alhambra, Calif. Double-acting hydraulic jack. 2,584,820, Feb. 5.

Stennitt, Thomas, Lansdowne, Ontario, Canada. Portable sawing machine. 2,584,821, Feb. 5.

Stevenson, William G., Lakeside, and W. E. MacKinnon, Montreal, assignors to Ayerst, McKenna & Harrison Limited, St. Laurent, Quebec, Canada. Suppository. 2,584,166, Feb. 5.

Stewart, James E., Minneapolis, Minn. Lateral loading and unloading attachment for forked lift trucks. 2,584,240, Feb. 5.

Stewart, James E., Minneapolis, Minn. Reinforced and protectively coated unit lumber package and forming the same. 2,584,241, Feb. 5.

Stewart, William G., Covington, Ky. Display bin assembly. 2,584,755, Feb. 5.

Stine, Harrison M., East Cleveland, Ohio, assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated. Catalysis and process for reforming hydrocarbons. 2,584,756, Feb. 5.

Stocker, Alfred E., Mercer Island, Wash., assignor to Anchor Brake Corporation, Oakland, Calif. Brake wear take-up. 2,584,510, Feb. 5.

Stockfleth, Berger, Paradise Cove, and L. M. Osborne, San Rafael, Calif. Indicator board. 2,584,511, Feb. 5.

Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Toggle-acting collet and making same. 2,584,303, Feb. 5.

Stout, Paul R.: *See*—
Dunlop, Andrew P., and Stout.

Strait, Claude A., St. Paul, Minn. Caterpillar attachment for trucks. 2,584,512, Feb. 5.

Straw, Joel: *See*—
Averns, Harry M., and Straw.

Stribley, Rexford C.: *See*—
Pratt, William J., Seibert, and Stribley.

Strobel, Albert F., Phillipsburg, N. J., and W. W. Williams, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Unsymmetrical disazo dyestuffs. 2,584,935, Feb. 5.

Strojan, Albert, assignee: *See*—
Palffy, L. Alphonso.

Stromberg-Carlson Company, assignee: *See*—
Bascom, Henry M.
De Mers, Edward F.
Frankel, Theodore.

Stroth, Irvine C., Wellston, Ohio. Ball bearing swing hanger. 2,584,757, Feb. 5.

Stuckenholt, Casper S., South Euclid, assignor to The W. J. Schoenberger Company, Cleveland, Ohio. Gas control valve. 2,584,936, Feb. 5.

Stuckenholt, Casper S., South Euclid, assignor to The W. J. Schoenberger Company, Cleveland, Ohio. Floor furnace valve. 2,584,937, Feb. 5.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,584,758, Feb. 5.

Summers, Orran B., assignor to Jet Shaft Seals, Inc., Phoenix, Ariz. Sealing device for shafts. 2,584,513, Feb. 5.

Sundholm, Edwin P., assignor to Our Savior's Evangelical Lutheran Church, Albert City, Iowa. Base for supporting and puncturing a fluid container and means to withdraw the fluid from said container. 2,584,167, Feb. 5.

Sutowski, Walter S., Garfield Heights, Ohio, assignor to Freeway Washer and Stamping Company. Ejecting mechanism. 2,584,168, Feb. 5.

Suwa, Ignaz: *See*—
Rubens, Harry S., and Suwa.

Swank, Inc., assignee: *See*—
Cheney, Leslie W.
Marien, Clement S.

Swedman, Enoch, assignor to Seeger Refrigerator Company, St. Paul, Minn. Hinge. 2,584,372, Feb. 5.

Sweeney, Alfred A., Denver, and M. F. Sweeney, Silt, Colo. Brake release signal for autos. 2,584,938, Feb. 5.

Sweeny, Maurice F.: *See*—
Sweeny, Alfred A. and M. F.

Swem, Audria P.: *See*—
Dayton, Ervis B., and Swem.

Swenson, Alfred G., Ontario, Calif., assignor to General Electric Company. Cover securing means for pressure cookers and the like. 2,584,759, Feb. 5.

Swenson, James A., Waltham, W. E. Burns, Norfolk, and R. H. Stead, Revere, Mass. Apparatus for waving hair. 2,584,760, Feb. 5.

Sylvania Electric Products Inc., assignee: *See*—
Alexander, Robert H.
Gull, Roy A.
Landauer, Rolf W.

Symons, Arthur H., assignor to Symons Clamp and Mfg. Company, Chicago, Ill. Wall form spreader tie. 2,584,822, Feb. 5.

Symons Clamp and Mfg. Company, assignee: *See*—
Symons, Arthur H.

Syntex, S. A., assignee: *See*—
Rosenkranz, George, Kaumann, and Pataki.

Syrovy, Augustin J., W. T. Dunn, and T. Iavelli, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,584,939, Feb. 5.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Duplex brake. 2,584,940, Feb. 5.

Talbot, Richard C.: *See*—
Ferguson, John L., and Talbot.

Talon, Inc., assignee: *See*—
Poux, Noel J.

Tappan Stove Company, The, assignee: *See*—
Mayer, Charles M.

Taubert, George, Mount Vernon, N. Y., assignor to Dixie Cup Company, Easton, Pa. Cup dispenser. 2,584,941, Feb. 5.

Taylor, Merritt I., Richmond, Va. Moisture eliminator for beehives. 2,584,304, Feb. 5.

Taylor, Merritt I., Richmond, Va. Temperature responsive ventilator for beehives. 2,584,305, Feb. 5.

Taylor, Merton W., Kennebunk Beach, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Textile drawing roll. 2,584,640, Feb. 5.

Taylor, Paul H.: *See*—
Wales, George F., and Taylor.

Tecnica Industrial y Commercial Sociedad Anonima Tecosa, assignee: *See*—
Fabia, Manuel A. G., and Clausen.

Terry, Clifford R., San Diego, Calif. Lathe chuck support. 2,584,169, Feb. 5.

Texaco Development Corporation, assignee: *See*—
Weiss, Walter J.

Texas Company, The, assignee: *See*—
Agnew, Robert J.

Thearle, Ernest L., Palo Alto, Calif. Dynamically balanced rotor. 2,584,942, Feb. 5.

Theobald, Clement W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of ethylenically unsaturated compounds. 2,584,306, Feb. 5.

Thiokol Corporation, assignee: *See*—
Foulks, William S.

Thomas, Albert G., Lynchburg, Va. Ground speed indicator. 2,584,641, Feb. 5.

Thomas, Frank, Weirton, W. Va. Faucet attached laundry spray. 2,584,943, Feb. 5.

Thomas, Walter M.: *See*—
Wohnsiedler, Henry P., Kropa, and Thomas.

Thompson, Daniel T.: *See*—
Thompson, Meyer and D. T.

Thompson, Meyer and D. T., Los Angeles, Calif. Apparatus for making a toroid. 2,584,514, Feb. 5.

Thompson Products, Inc., assignee: *See*—
Fidler, Robert E.
Graham, Matthew P.
Johnson, Edwin J.

Thompson, William D., San Diego, Calif. Multiple roll film camera. 2,584,373, Feb. 5.

Thorner, Robert H., Detroit, Mich. Governor mechanism. 2,584,170, Feb. 5.

Thorpe, Frederick W.: *See*—
Cator, Frederick L., and Thorpe.

Thralls, Marvin A., Kingston, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Transparent vacuum back. 2,584,401, Feb. 5.

Tice, Linwood F., Salem, N. J., assignor to Gelatin Research Society of America, Inc., New York, N. Y. Preparing solutions of gelatin in polyhydric alcohols. 2,584,307, Feb. 5.

Tiffany, Daniel W., Great Falls, Mont. Refrigerating system for trailers. 2,584,242, Feb. 5.

Tiley, John W., assignor to Philco Corporation, Philadelphia, Pa. Electronic tube of the traveling wave type. 2,584,308, Feb. 5.

Tilles, Roy E., assignor to Gotham Hosiery Company, Inc., New York, N. Y. Reinforced stocking. 2,584,944, Feb. 5.

Tillyer, Edgar D.: *See*—
Moulton, Harold R., and Tillyer.

Tishler, Max: *See*—
Pierson, Earl, and Tishler.

Todd, Floyd, Springfield, Pa. Vacuum gauge. 2,584,945, Feb. 5.

Toledo Scale Company, assignee: *See*—
Hart, Norman E., and Guss.
Marco, Salvatore M.
Weckerly, Mark A.
Williams, Lawrence S.

Tollefsen, Reidar A.: *See*—
Hastings, Warren W., and Tollefsen.

Torman, Theodore: *See*—
Botvin, Irving E., and Torman.

Tourshou, Simeon I.: *See*—
Longo, John, Tourshou, and Lewis.

Tousey, Richard, Forest Heights, Md. Gun sight having a plurality of illuminated reticles. 2,584,171, Feb. 5.

Trowbridge, David R.: *See*—
Cleave, Edgar S., and Trowbridge.

Tucker, Charles M., Phillips, and W. E. Wells, Borger, Tex., assignors to Phillips Petroleum Company. Stepwise addition of a diazo thioether in emulsion polymerization. 2,584,823, Feb. 5.

Tuttle, Lauren T., San Francisco, Calif. Convertible high and low chair. 2,584,642, Feb. 5.

Udell, Bettie A., La Junta, Colo. Suction nozzle with brush and wiper. 2,584,515, Feb. 5.

Umstott, Haven D.: *See*—
Sprinkel, Robert B., Umstott, and Knight.

Underkofler, Leland A.: *See*—
Christensen, Leo M., and Underkofler.

Underwood, Burl R., Ypsilanti, Mich. Antifriction thrust bearing for electric socket wrenches. 2,584,172, Feb. 5.

Union Carbide and Carbon Corporation, assignee: *See*—
Fritz, William H.

United Aircraft Products, Inc., assignee: *See*—
Hoffman, Allan C., Geddes, and Olcott.

United Shoe Machinery Corporation, assignee: *See*—
Knowlton, Cutler D.
Lisbon, Joseph C., and Lyness.
Woodman, Charles K.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Handforth, Stanley L.
Sands, Matthew L.

Universal Oil Products Company, assignee: *See*—
Beam, Jon.
Leffer, Frederick W.
Mavity, Julian M.
Pines, Herman and Ipatieff.
West, James P.

Universal-Rundle Corporation, assignee: *See*—
Beam, James R.

Universal Wire Spring Company, The, assignee: *See*—
Blumensaadt, Svend G.

University of Minnesota, Regents of The, assignee: *See*—
Holt, George W., and Kubicek.

Upjohn Company, The, assignee: *See*—
Hunter, James H.
Levin, Robert H., McIntosh, and Spero.

Van Denburgh, A. S., assignee: *See*—
Donaldson, Joseph G.

Vander Clute Corporation, assignee: *See*—
Vander Clute, William W.

Vander Clute, William W., Elizabeth, N. J., assignor to Vander Clute Corporation. Trap. 2,584,643, Feb. 5.

Vandeur, Louis: *See*—
Vanharen, Lambert, Rossier, and Vandeur.

Van Fowler, Jess, San Diego, Calif. Tiltable panel assembly. 2,584,173, Feb. 5.

Vanharen, Lambert, Ixelles-Brussels, M. Rossier, Uccle-Brussels, and L. Vandeur, Watermael-Brussels, assignors to Solvay & Cie, Ixelles-Brussels, Belgium. Electrolytic preparation of alkali metal chlorites. 2,584,824, Feb. 5.

Van Norman Company, assignee: *See*—
Pyne, Roger S.

Veatch, Dale S., San Francisco, Calif. Hosiery protecting insert for shoes. 2,584,516, Feb. 5.

Velcher, Virginia G., Reno, Nev. Colostomy apron. 2,584,249, Feb. 5.

Velick, Joseph, assignee: *See*—
Okun, Jack.

Velsicol Corporation, assignee: *See*—
Lidov, Rex E., Hyman, and Segel.
Segel, Edward, Lidov, and Hyman.

Verdi, Carlo J., Brooklyn, N. Y. Mop and broom bracket support. 2,584,644, Feb. 5.

Verreet, Joseph, Saint-Gilles, Belgium, assignor to Owen Evans, London, England. Continuous method for the manufacture of twistless glass fiber assemblies. 2,584,517, Feb. 5.

Viarengo, João P., Sao Paulo, assignor to Acumuladores Vulcania, S. A., S. Paulo, Brazil. Battery lid. 2,584,946, Feb. 5.

Viking Tool Company, The, assignee: *See*—
Severson, Ole C.

Visirecord, Inc., assignee: *See*—
Weston, Herbert.

Volkmann, John, Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Acoustic coupler for earphones. 2,584,402, Feb. 5.

Volpin, Alexander S., Houston, Tex. Lubricated globe valve. 2,584,761, Feb. 5.

Voorhees, Daniel W., Quincy, Ill. Pressed metal vehicle wheel. 2,584,309, Feb. 5.

Vosgenberg, Frank A., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Pallet. 2,584,762, Feb. 5.

Waggoner, Jack H., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Colored glass fiber products and producing them. 2,584,763, Feb. 5.

Wagner, Joseph A., assignor to Wagneradio Company, Verona, Pa. Synchronizing mechanism. 2,584,645, Feb. 5.

Wagneradio Company, assignee: *See*—
Wagner, Joseph A.

Wagstaff, James A., Roanoke, Va. Combined automobile tray and receptacle-supporting device. 2,584,646, Feb. 5.

Wales, George F., Kenmore, and P. H. Taylor, North Tonawanda, N. Y., said Taylor assignor to said Wales. Driving mechanism and supporting structure for machines. 2,584,403, Feb. 5.

Walker Manufacturing Company of Wisconsin, assignee: *See*—
Dearsley, Irwin E.

Walker Manufacturing Company, assignee: *See*—
Hollingsworth, John W.

Wallace, James M., Braddock, Pa., assignor to Westinghouse Electric Corporation. Circuit interrupter. 2,584,764, Feb. 5.

Wallerowitz, John, Marion, Ill. Display device for merchandise. 2,584,947, Feb. 5.

Walters, Gustav, Middletown, and H. C. Morton, Branford, assignors to The Russell Manufacturing Company, Middletown, Conn. Brake lining and making the same. 2,584,825, Feb. 5.

Walton, George W., Dallas, Tex. Pump liner. 2,584,518, Feb. 5.

Walton, Richard R., United States Army, Washington, D. C. Combined garment form and hanger. 2,584,218, Feb. 5.

War, United States of America as represented by the Secretary of, assignee: *See*—
Garand, John C.

Warner, Douglas K., Sarasota, Fla. Boat propulsion device. 2,584,766, Feb. 5.

Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Distance relay protective system. 2,584,765, Feb. 5.

Washburn, John M., assignor to The Morrow Machine Company, Hartford, Conn. Lubricating system. 2,584,243, Feb. 5.

Wasselle, Joseph A., Queens Village, N. Y. Hickey for canopy switches. 2,584,767, Feb. 5.

Waters, Laurence W., Ontario, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Peach pitting apparatus. 2,584,519, Feb. 5.

Watson, Nathan J., Sioux City, Iowa, and J. C. Roche, assignors to Chicago Carton Company, Chicago, Ill. Packaging tray. 2,584,967, Feb. 5.

Weatherhead, Albert J., Jr., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Making hose ends. 2,584,948, Feb. 5.

Weatherhead Company, The, assignee: *See*—
Crawley, Charles H.
Weatherhead, Albert J., Jr.

Webb, Ernest C., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Furnace door structure with spring and cam retention means. 2,584,404, Feb. 5.

Webber, Thomas A., Hyattsville, Md. Sandblasting machine for cleaning inlays or the like. 2,584,647, Feb. 5.

Webster, Warren & Company, assignee: *See*—
Fitz Gerald, Alan S.

Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Flexure plate weighing scale. 2,584,949, Feb. 5.

Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Sensitivity adjustment for weighing scales. 2,584,950, Feb. 5.

Weinberg, Marvin, New York, N. Y. Adjustable arm support means. 2,584,310, Feb. 5.

Weiss, Walter J., Rolling Hills Area, Calif., assignor to Texaco Development Corporation, New York, N. Y. Drilling fluid. 2,584,768, Feb. 5.

Wells, Wayne E.: *See*—
Tucker, Charles M., and Wells.

Wells, William M., II, Columbia, S. C. Sliding back for press type cameras. 2,584,311, Feb. 5.

Welsh, Alrena L., executrix: *See*—
Welsh, John T.

Welsh, John T., deceased, Highland Park, N. J.: A. L. Welsh, executrix. Universal joint having one center of deflection. 2,584,648, Feb. 5.

Wengen, Henry R.: *See*—
Schoonmaker, Raymond B., Becker, and Wengen.

Wenger, Wiley D., assignor to Electric Eye Equipment Company, Danville, Ill. Apparatus and circuit for heating articles. 2,584,951, Feb. 5.

West, James P., Westmont, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of silica-boria catalysts containing alumina or magnesia. 2,584,405, Feb. 5.

Westerman, Albert and D., Traill County, N. Dak. Pivoted jaw wrench having jaw adjusting means. 2,584,952, Feb. 5.

Westerman, Donald: *See*—
Westerman, Albert and D.

Western Electric Company, Incorporated, assignee: *See*—
Geary, Edward S.
Nelson, Oscar G.
Schmuldt, Karl A.

"Western Engineering Trust," trustee, assignee: *See*—
Nardulli, Michael J.

Western Union Telegraph Company, The, assignee: *See*—
Pollard, Leon G.
Wise, Raleigh J., and Ridings.

Westinghouse Air Brake Company, assignee: *See*—
Erson, Erik G.
Fereday, Frederick T., Sr.
Snavely, Clarence S.

Westinghouse Electric Corporation, assignee: *See*—
Alpert, Daniel, Krasik, and Holstein.
Alpert, Daniel.
Ellis, Belvin B.
Frink, Russell E.
Johnson, Floyd D.
Wallace, James M.

Westlake, Edward B., Jr., Havertown, Pa. Telephone card holder. 2,584,769, Feb. 5.

Weston, Herbert, New York, assignor to Visirecord, Inc., Long Island City, N. Y. Accounting and filing system. 2,584,174, Feb. 5.

White, Frank S., Westport, Conn. Reactor furnace. 2,584,312, Feb. 5.

Wicklatz, John E.: *See*—
Reynolds, William B., Wicklatz, and Kennedy.

Wickstrom, Milford L., Kansas City, Kans. Bowling time clock. 2,584,374, Feb. 5.

Widdicomb, John, Company, assignee: *See*—
Haas, William.

Widmer, John H., and C. T. Smith, St. Paul Park, Minn. Storm window fastener. 2,584,375, Feb. 5.

Wiggins, John H., Chicago, Ill. Sealing element ventilating means for dry seal gas holders. 2,584,953, Feb. 5.

Wilcock, Donald F., Marblehead, Mass., assignor to General Electric Company. Journal bearing with self-energized hydraulically loaded segment. 2,584,770, Feb. 5.

Wilcox-Gay Corporation, assignee: *See*—
Cain, Robert M.

Wilkins, Walter, Jacksonville, Fla. Physician's venous blood letting and collecting instrument. 2,584,520, Feb. 5.

Wilkinson, James W., assignor to Hastings Manufacturing Company, Hastings, Mich. Making filter cartridges. 2,584,771, Feb. 5.

Willcox, Frederick P., Vestal, N. Y. Exposure meter dial structure. 2,584,406, Feb. 5.

Williams, Albert J., Jr., assignor to Leeds and Northrup Company, Philadelphia, Pa. Self-balancing electrical system and method. 2,584,954, Feb. 5.

Williams, Bill M., assignor to The Dow Chemical Company, Midland, Mich. Purification of benzene hexachloride. 2,584,376, Feb. 5.

Williams, Carl, Cornell, Wis. Clamp for outboard motors. 2,584,955, Feb. 5.

Williams, Everard M., Dayton, Ohio. Photographic waveform recorder for cathode-ray tube indicators. 2,584,175, Feb. 5.

Williams, Harry E., Chicago, Ill., assignor to Williams Patent Corporation. Ball return and projecting mechanism for amusement game apparatuses. 2,584,956, Feb. 5.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Electrical positioning mechanism. 2,584,957, Feb. 5.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Dial scale indicator. 2,584,958, Feb. 5.

Williams Patent Corporation, assignee: *See*—
Williams, Harry E.

Williams, William W.: *See*—
Strobel, Albert F., and Williams.

Williamson-Noble, Guy E.: *See*—
Cooper, Charles P., and Williamson-Noble.

Willmore, Charles B., North Aurora, assignor to William F. Jobbins, Incorporated, Aurora, Ill. Aluminum base alloys. 2,584,772, Feb. 5.

Wingert, Raymond R.: *See*—
Fyler, George W., and Wingert.

Wingert, Raymond R., assignor to Motorola, Inc., Chicago, Ill. Television tuner. 2,584,176, Feb. 5.

Wise, Raleigh J., Dunellen, and G. H. Ridings, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile transmitter and recorder with automatic sheet mounting. 2,584,775, Feb. 5.

Wittke, Dale R., Minneapolis, Minn. Tank ball, stem, and guide for water closet tanks. 2,584,407, Feb. 5.

Witzky, Julius E., Royal Oak, Mich., assignor to the United States of America as represented by the Secretary of the Navy. Injection pump for internal-combustion engines. 2,584,408, Feb. 5.

Wohnsiedler, Henry P., Darien, E. L. Kropa, Old Greenwich, and W. M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Modified aminoplasts and products prepared therefrom. 2,584,177, Feb. 5.

Wolf, Stanford J., San Mateo, Calif., assignor to Schenley Industries, Inc., New York, N. Y. Bottle and closure. 2,584,522, Feb. 5.

Wood, Alexander: *See*—
Fisk, Ernest T., and Wood.

Woodbury, Clare R., East Orange, N. J. Finger applicator or massaging device. 2,584,649, Feb. 5.

Woodman, Charles K., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pad box. 2,584,313, Feb. 5.

Woodruff, Clarence A., Evanston, Ill. Humidifier for heated air ducts. 2,584,650, Feb. 5.

Woodsworth, Leland A., Roxbury, Mass. Emergency control for brakes. 2,584,521, Feb. 5.

Wordeman, John G., Martin, S. Dak. Fulcrum type can opener. 2,584,244, Feb. 5.

Work, Erich W., Hartford, assignor to The Beaton & Cadwell Mfg. Co., Inc., New Britain, Conn. Pressure relief valve. 2,584,523, Feb. 5.

Worthen, Eugene P., Braintree, and B. Fox, Wollaston, Mass., assignors to Bethlehem Steel Company. Low-pressure steam generating system. 2,584,651, Feb. 5.

Woznuk, Edward A., and R. J. Brett, Cleveland, Ohio. Mold for pressure forming of compositions. 2,584,776, Feb. 5.

Wright, Clyde E.: *See*—
Ingwer, Carl H., and Wright.

Wuest, Heinz M., assignee: *See*—
Hockett, Robert C.

Wunderlich, John H., Lebanon, Pa. Support and shackle for fowl. 2,584,377, Feb. 5.

Vyckoff, Ralph D., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Aerodynamic surface for dirigible bombs. 2,584,826, Feb. 5.

Wyeth Incorporated, assignee: *See*—
Pratt, William J., Seibert, and Stribley.

Wyss, Alphons, Bottmingen, near Basel, Switzerland. Single mold machine for the manufacture of hollow glass articles. 2,584,524, Feb. 5.

Wystrach, Vernon P., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of aromatic nitriles. 2,584,409, Feb. 5.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Vossenberg, Frank A.

Yocom, Alvin M., Detroit, Mich., and G. D'Olier, Devon, Conn., assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Cork containing composite sheet material. 2,584,959, Feb. 5.

Zenith Radio Corporation, assignee: *See*—
Hardy, Maurice E.

Zweifel, George E.: *See*—
Bookhultz, Donald H., and Zweifel.

Zweifel, George E., & Company, assignee: *See*—
Bookhultz, Donald H., and Zweifel.

LIST OF PLANT INVENTIONS

Hybrid tea rose plant. F. C. Raffel. 1,071, Feb. 5.

LIST OF DESIGN INVENTIONS

Air motor and hydraulic pump, Combined. D. R. Hill. 165,839, Feb. 5.
Ash tray and writing instrument, Combined. E. Lewis. 165,852, Feb. 5.
Atomizer. F. E. Brown. 165,822, Feb. 5.
Bathing suit. M. Solomon. 165,882, Feb. 5.
Board, Game. E. P. Truesdale. 165,888, Feb. 5.
Bookholder. W. J. Bargen. 165,817, Feb. 5.
Bowl and cover, Combined. J. Brahm. 165,821, Feb. 5.
Bowl, Sugar. R. G. Cowan. 165,825, Feb. 5.
Brassière. S. Kaufman. 165,851, Feb. 5.
Brush. M. H. Partridge. 165,862, Feb. 5.
Burner, Gas. R. E. Solomon, R. Shelton, and C. W. Agee. 165,883, Feb. 5.
Cabinet, Radio. S. E. Adler. 165,814, Feb. 5.
Casing for strip material feeder for attachment to sewing machines or the like. M. A. Sigoda. 165,880, Feb. 5.
Chain, Ornamental. C. F. Jager. 165,847, Feb. 5.
Chair, Child's. M. A. Lydon. 165,853, Feb. 5.
Coaster. T. E. Betner. 165,818, Feb. 5.
Coaster, Plastic. T. J. Gressitt. 165,836, Feb. 5.
Cooler, Air. D. D. Wile. 165,891, Feb. 5.
Cooler and stand, Combined milk. C. E. Rathke. 165,866, Feb. 5.
Corn popper, Electric. E. E. Sivacek. 165,881, Feb. 5.
Cover for sugar bowl. R. G. Cowan. 165,826, Feb. 5.
Cup. C. N. Gardner. 165,834, Feb. 5.
Cup. G. Sakler. 165,876, Feb. 5.
Cup or similar article. C. L. Nelson. 165,858, Feb. 5.
Diaper suit or similar article, Child's. R. B. Allen. 165,815, Feb. 5.
Dispenser, Juice. O. W. Collins. 165,824, Feb. 5.
Drafting template. R. Jordan. 165,849, Feb. 5.
Dress. M. Alwell. 165,816, Feb. 5.
Dress. I. Roth. 165,871, Feb. 5.
Dresser, Utility. C. C. Gaither. 165,833, Feb. 5.
Exhaust deflector. L. E. Russell. 165,874, Feb. 5.
Fan, Electric. B. Franklin. 165,832, Feb. 5.
Fan or similar device, Circulator. D. F. McCarron. 165,854, Feb. 5.
Frame, Photograph. S. Nemes. 165,859, Feb. 5.
Front for underwater goggles. R. A. Potts. 165,865, Feb. 5.
Glass panel, Grilled. A. H. Schottland. 165,878, Feb. 5.
Goggle or similar article. T. V. Paulson. 165,863, Feb. 5
Hassock, Child's. M. W. Peters. 165,864, Feb. 5.
Heater, Unit. G. E. Hughes. 165,845, Feb. 5.
Holder, Toilet paper. S. M. Kandarian. 165,850, Feb. 5.
Holder for hair cutter or the like. A. N. Spanel. 165,884, Feb. 5.

Jacket. S. Etkin. 165,831, Feb. 5.
Jar and bank, Combination cooky. L. H. Dworkin. 165,830, Feb. 5.
Lamp. A. E. Blumenthal. 165,820, Feb. 5.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 165,870, Feb. 5.
Mask for disguise or the like. W. A. Redlin. 165,868, Feb. 5.
Mat, Embossed plastic table. G. F. Shewell. 165,879, Feb. 5.
Medal. N. Holz. 165,842, Feb. 5.
Mixer or the like, Food. I. Jepson. 165,848, Feb. 5.
Panties or similar article. S. Royce. 165,872, Feb. 5.
Percolator top. N. B. Jagemann. 165,846, Feb. 5.
Photograph album. R. E. Orvedahl. 165,860, Feb. 5.
Pitcher, Cream. R. G. Cowan. 165,827, Feb. 5.
Plastic film material or the like, Quilted. D. E. Hogan, Jr. 165,840–1, Feb. 5.
Plate or similar article. G. J. Higginson. 165,838, Feb. 5.
Plate or similar article. G. Rudd. 165,873, Feb. 5.
Plate or the like. B. L. Miller and G. Parker. 165,855, Feb. 5.
Plate or similar article, Dinner. N. Zimmerman. 165,892, Feb. 5.
Rack for a vacuum coffeemaker upper bowl, Supporting. W. E. Taylor. 165,885, Feb. 5.
Rack, Necktie. R. B. Thompson. 165,886, Feb. 5.
Rack or similar article, Luggage. F. Troccoli. 165,887, Feb. 5.
Razor, Safety. B. H. Rauff. 165,867, Feb. 5.
Receptacle, Merchandise. R. E. Paige. 165,861, Feb. 5.
Rubbing machine. S. E. Scace. 165,877, Feb. 5.
Saucer or similar article. C. L. Nelson. 165,857, Feb. 5.
Screen or similar article, Woven. S. E. Waite. 165,889, Feb. 5.
Seat, Lawn. H. P. Glass. 165,835, Feb. 5.
Sewing machine. P. F. Cencer and F. Whiteman. 165,823, Feb. 5.
Spray and polishing head or similar article. A. E. Hanson. 165,837, Feb. 5.
Tablecloth. H. D. Hooven. 165,843–4, Feb. 5.
Table, Swivel. R. Dorr, Jr. 165,829, Feb. 5.
Tea pot. R. G. Cowan. 165,828, Feb. 5.
Tongs, Kitchen. D. A. Reiner. 165,869, Feb. 5.
Transparent capsule and tablet pocket carrier. L. S. Mytinger. 165,856, Feb. 5.
Tray and tissue paper container, Combination jewelry display. C. Weissman. 165,890, Feb. 5.
Tray, Cracker. C. O. Bliss. 165,819, Feb. 5.
Tumbler. G. Sakler. 165,875, Feb. 5.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF FEBRUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasion resistance tester. D. M. Packer. 2,584,156, Feb. 5.
Accessory for automotive vehicles. E. J. Karsch. 2,584,883, Feb. 5.
Accounting and filing system. H. Weston. 2,584,174, Feb. 5.
Accounting machine. M. M. Goldberg. 2,584,864, Feb. 5.
Acetylene, Solid. R. L. Hasche. 2,584,875, Feb. 5.
Acoustic coupler for earphones. J. Volkmann. 2,584,402, Feb. 5.
Adhesive applying means for coating the flaps of cartons. H. Daum and D. L. Rugen. 2,584,848, Feb. 5.
Adjustable cardholder support. S. J. Adams. 2,584,179, Feb. 5.
Adjustable gauge. N. J. L. Sandström. 2,584,741, Feb. 5.
Adjustable ironing board. A. E. Fernandes. 2,584,196, Feb. 5.
Adjustable tie rod. R. E. Fidler. 2,584,687, Feb. 5.
Adjustable tie rod. E. J. Johnson. 2,584,709, Feb. 5.
Adjustable tractor wheel mounting. W. G. Abney. 2,584,410, Feb. 5.
Aerator, Raw milk. L. C. Harp, Sr. 2,584,202, Feb. 5.
Aerodynamic surface for dirigible bombs. R. D. Wyckoff. 2,584,826, Feb. 5.
Air-cooled press brake and clutch assembly. P. H. and G. I. Danly, and V. Georgeff. 2,584,190, Feb. 5.
Aircraft and wing structure therefor, Supersonic. A. A. Griffith. 2,584,198, Feb. 5.
Aircraft gust alleviating control means. G. E. Bockrath. 2,584,666, Feb. 5.
Airplane with jettisonable wing-tip fuel tanks, Jet-propelled. D. A. Beck and E. A. Eddy. 2,584,961, Feb. 5.
Alarm control for alarm clocks. R. J. Rahn. 2,584,920, Feb. 5.
Alarm system for unattended automatic exchanges. T. Frankel. 2,584,857, Feb. 5.
Alignment mandrel. D. T. Peden. 2,584,611, Feb. 5.
Alkaline earth metal hydrides and use thereof in reducing refractory oxides, Production of. P. P. Alexander. 2,584,411, Feb. 5.
Alkylation of aromatic hydrocarbons. H. Pines and V. N. Ipatieff. 2,584,103, Feb. 5.
Alloy: *See*—
Silver solder alloy.
Alphabet- and numeral-teaching guide. F. P. Mauser. 2,584,601, Feb. 5.
Aluminum base alloys. C. B. Willmore. 2,584,772, Feb. 5.
Amplifier having variable gain and variable band width, Video. R. M. Crooker and G. J. Heisig. 2,584,332, Feb. 5.
Amplifying system. J. Longo, S. I. Tourshou, and R. J. Lewis. 2,584,213, Feb. 5.
Anodic oxidation of aluminum and its alloys. C. Sonnino. 2,584,400, Feb. 5.
Antifriction thrust bearing for electric socket wrenches. B. R. Underwood. 2,584,172, Feb. 5.
Antiskid and traction appliance for motor vehicle wheels. E. P. Schwab. 2,584,625, Feb. 5.
Antistall mechanism for airplanes. J. I. Seay, Jr. 2,584,298, Feb. 5.
Antistatic treating composition for photographic film supports. K. Famulener and H. Hoerlin. 2,584,337, Feb. 5.
Apparatus and circuit for heating articles. W. D. Wenger. 2,584,951, Feb. 5.
Apparatus for cutting wires in making wire-bound boxes. D. G. Kingsley. 2,584,593, Feb. 5.
Apparatus for determining map references in navigation according to the hyperbola method. H. Fischer. 2,584,688, Feb. 5.
Apparatus for effecting fluidized contact between solid particles and fluid mediums. F. W. Leffer. 2,584,391, Feb. 5.
Apparatus for guiding lead wires to be soldered to crystals. K. A. Schmuldt. 2,584,297, Feb. 5.
Apparatus for making a toroid. M. and D. T. Thompson. 2,584,514, Feb. 5.
Apparatus for making tubular paper containers. J. H. Brown, Jr. 2,584,542, Feb. 5.
Apparatus for precision bore grinding. R. S. Pyne. 2,584,499, Feb. 5.
Apparatus for stripping insulation from wires. E. S. Geary. 2,584,692, Feb. 5.
Apparatus for the delivering of liquids under pressure. W. Pool. 2,584,226, Feb. 5.
Apparatus for timing hairsprings. F. Dostal. 2,584,562, Feb. 5.
Apparatus for transferring liquid from one container to another. L. K. Pitman. 2,584,397, Feb. 5.
Apparatus for waving hair. J. A. Swenson, W. E. Burns, and R. H. Stead. 2,584,760, Feb. 5.
Apparatus for winding and producing coils. E. L. Holmgren. 2,584,208, Feb. 5.
Apron, Colostomy. V. G. Velcher. 2,584,249, Feb. 5.
Armrest, Adjustable. J. Okun. 2,584,732, Feb. 5.
Arm support means, Adjustable. M. Weinberg. 2,584,310, Feb. 5.
Aromatic nitriles, Preparation of. V. P. Wystrach. 2,584,409, Feb. 5.
Attachment for fork lift trucks. J. J. Hally. 2,584,870, Feb. 5.
Automatic control means for stokers. J. S. Skelly. 2,584,235, Feb. 5.
Automatic plotting board and projecting means. A. F. Hayek. 2,584,267, Feb. 5.
Automatic testing apparatus. R. A. Doncyson. 2,584,680, Feb. 5.
Automatically opening head gate. M. K. Osborn. 2,584,364, Feb. 5.
Automobile hood, fender and lamp construction. B. C. Gould. 2,584,576, Feb. 5.
Automobile self-starter safety switch. H. W. Lindenmuth. 2,584,478, Feb. 5.
Auxiliary mass and viscose damping for free and self-excited vibrations. B. E. O'Connor. 2,584,222, Feb. 5.
Awning. G. G. Owen. 2,584,609, Feb. 5.
Axle, Removable head. C. F. Pearson. 2,584,610, Feb. 5.
Baby supply cabinet. N. B. Doerr. 2,584,435, Feb. 5.
Bag: *See*—
Mothproofing resistant plastic garment bag.
Bag filler having an adjustably mounted pivot for bag engaging plate members. W. O. Poole. 2,584,497, Feb. 5.
Bait casting device. R. T. Dewey. 2,584,678, Feb. 5.
Ball bearing swing hanger. I. C. Stroth. 2,584,757, Feb. 5.
Ball return and projecting mechanism for amusement game apparatuses. H. E. Williams. 2,584,956, Feb. 5.
Band-pass filter network. D. G. C. Hare. 2,584,386, Feb. 5.
Base construction for dispensers. F. E. Sanborn. 2,584,927, Feb. 5.
Base for supporting and puncturing a fluid container and means to withdraw the fluid from said container. E. P. Sundholn. 2,584,167, Feb. 5.
Basket, Fruit. G. C. Holland. 2,584,350, Feb. 5.
Battery lid. J. P. Viarengo. 2,584,946, Feb. 5.
Beach bag and sunshade, Combined. J. C. De Marco. 2,584,432, Feb. 5.
Bearing: *See*—
Roller thrust bearing.
Bearing. H. L. Potter. 2,584,227, Feb. 5.
Bearing collar, Self-locking. H. R. Reynolds. 2,584,740, Feb. 5.
Bearing retaining means. N. E. Hart and W. A. Guss. 2,584,873, Feb. 5.
Bed. S. Korenblit. 2,584,135, Feb. 5.
Bell. F. Petelinsek. 2,584,223, Feb. 5.
β-methylmercaptopropionaldehyde, Preparation of. E. Pierson and M. Tishler. 2,584,496, Feb. 5.
Bimetallic printing forms, Producing. C. B. Aller. 2,584,317, Feb. 5.
Binder. C. E. Emmer. 2,584,854, Feb. 5.
Blade adjuster for brush clearing mechanisms. J. M. McNeel. 2,584,485, Feb. 5.
Blasting machine. R. B. Huyett. 2,584,587, Feb. 5.
Block: *See*—
Snatch block.
Blowing ferrous metal. F. L. Morrison. 2,584,151, Feb. 5.
Blowing iron. F. L. Morrison. 2,584,152, Feb. 5.
Board: *See*—
Adjustable ironing board. Indicator board.
Boat, Hydrofoil. A. B. Hazard. 2,584,347, Feb. 5.
Boat loading and carrying means. F. H. Squires. 2,584,163, Feb. 5.
Boat propulsion device. D. K. Warner. 2,584,766, Feb. 5.
Boat structure, Sectional and portable. W. J. Evert. 2,584,685, Feb. 5.
Bobbin winder. J. Armenti. 2,584,320, Feb. 5.
Book-page and letter sheet marker. L. B. Kuhn. 2,584,389, Feb. 5.
Booth, Telephone. P. H. Sherron. 2,584,626, Feb. 5.
Bottle and closure. S. J. Wolf. 2,584,522, Feb. 5.

Bottle attachment device for use in preparing sparkling beverages. E. Blumauer. 2,584,183, Feb. 5.
Bottle carrier. T. W. Foster. 2,584,689, Feb. 5.
Bowling pin refinishing lathe. L. Pogacsnik. 2,584,915, Feb. 5.
Box: *See*
Pad box.
Bracket and holder for inverted container of bulk material with means for dispensing measured quantities of said material. B. Beatty. 2,584,781, Feb. 5.
Brake: *See*—
Duplex brake.
Fluid pressure released brake.
Brake assembly for presses. P. H. and G. I. Danly, and V. Georgeff. 2,584,191, Feb. 5.
Brake for planetary drives. C. W. Howard. 2,584,454, Feb. 5.
Brake lining and making the same. G. Walters and H. C. Morton. 2,584,825, Feb. 5.
Brake wear take-up. A. E. Stocker. 2,584,510, Feb. 5.
Broom and mop rack. E. B. Murrell. 2,584,219, Feb. 5.
Brush holder for electric motors and the like. W. P. Luther and G. Rudat. 2,584,214, Feb. 5.
Brush, Window washing fountain. M. Soss. 2,584,630, Feb. 5.
Brush, Window washing mixture fountain. M. Soss. 2,584,631, Feb. 5.
Brush with pivoted handle, Bottle. J. P. Schleenbaker. 2,584,503, Feb. 5.
Bucket, Aerating minnow. J. R. Ginter. 2,584,385, Feb. 5.
Buckle for the suspension straps leading from a parachute harness to the parachute, Adjusting. C. H. Lundholm. 2,584,358, Feb. 5.
Button back. F. A. Ballou, Jr. 2,584,828, Feb. 5.
Cabinet: *See*—
Baby supply cabinet.
Refrigerator cabinet.
Perishable product processing cabinet.
Cabinet and support therefor, Wall. P. L. Du Boff and T. H. Dooley. 2,584,438, Feb. 5.
Cabinet with removable shelf. C. A. Laystrom and H. R. Sigler. 2,584,274, Feb. 5.
Calendar, Perpetual. L. R. T. D. O'Kane. 2,584,810, Feb. 5.
Camera. W. J. G. Palmer. 2,584,912, Feb. 5.
Camera, Multiple roll film. W. D. Thompson. 2,584,373, Feb. 5.
Can punch. J. E. Murphy, G. W. P. Beckemeier, and E. C. Couture. 2,584,490, Feb. 5.
Candle, Display. D. W. Duncan. 2,584,563, Feb. 5.
Carboxyalkylmercapto stibonic acid compounds. N. Steiger and O. Keller. 2,584,639, Feb. 5.
Car coupler, Retractable. W. J. Metzger. 2,584,486, Feb. 5.
Card holder. A. H. Kern. 2,584,352, Feb. 5.
Carrier: *See*—
Bottle carrier.
Collapsible sheet metal bottle carrier.
Paperboard partitioned article carrier.
Tire carrier.
Carrier and support, Mattress. L. Deen. 2,584,792, Feb. 5.
Carton, Egg. M. H. Kowal. 2,584,595, Feb. 5.
Case with spring-urged pivoted sliding closure. R. Linneman. 2,584,721, Feb. 5.
Casting mechanism. S. J. Carnes. 2,584,550, Feb. 5.
Catalysis and process for reforming hydrocarbons. H. M. Stine. 2,584,756, Feb. 5.
Catalyst from clay, Production of a. G. A. Mills. 2,584,148, Feb. 5.
Catalytic hydrogel beads, Preparation and drying of. J. A. Pierce and C. N. Kimberlin, Jr. 2,584,286, Feb. 5.
Caterpillar attachment for trucks. C. A. Strait. 2,584,512, Feb. 5.
Cathode for magnetrons. C. L. Cuccia. 2,584,791, Feb. 5.
Centralized traffic controlling system. F. X. Rees and R. H. Bechtold. 2,584,739, Feb. 5.
Ceramic dielectric materials and making. S. Bousky. 2,584,324, Feb. 5.
Chain: *See*—
Lock link chain.
Chain guard. A. J. Cich. 2,584,788, Feb. 5.
Chair: *See*—
Convertible high and low chair.
Platform rocking chair.
Chilling of oils. E. J. Reeves. 2,584,966, Feb. 5.
Chute for vehicles, Loading and unloading. C. E. Naekel. 2,584,396, Feb. 5.
Cigarette case retaining arm. A. F. Reilly. 2,584,923, Feb. 5.
Cigarette extinguisher. W. L. Lile. 2,584,275, Feb. 5.
Circle dividing machine. R. W. Lipp. 2,584,393, Feb. 5.
Circuit: *See*
Electronic counting circuit.
Frequency control circuit.
Interference prevention circuit.
Switching circuit.
Television kinescope projection circuit.
Circuit breaker. R. W. Jones. 2,584,711, Feb. 5.
Circuit for motor-driven signal seeking receivers, Variable delay control. R. A. Gull. 2,584,578, Feb. 5.
Circuit interrupter. R. E. Frink. 2,584,570, Feb. 5.
Circuit interrupter. J. M. Wallace. 2,584,764, Feb. 5.
Circuits, Electronic timer. G. D. Hanchett, Jr. 2,584,871, Feb. 5.
Circuits, Integrating. L. R. J. Johnson. 2,584,882, Feb. 5.
Circulation of cell electrolyte. H. G. Elrod, Jr. 2,584,117, Feb. 5.
Clamp: *See*—
Messenger wire clamp.
Clamp and pin tenter clip. J. H. Ciciva. 2,584,553, Feb. 5.
Clamp for outboard motors. C. Williams. 2,584,955, Feb. 5.
Clamping device, Automatic. L. K. Clark. 2,584,789, Feb. 5.
Clasp, Cravat. C. S. Marien. 2,584,215, Feb. 5.
Cleaning and polishing composition. M. E. Baer and L. E. Concannon. 2,584,413, Feb. 5.
Clearance indicating arm. G. S. Adolfson. 2,584,777, Feb. 5.
Clip: *See*—
Hair clip.
Clock, Bowling time. M. L. Wickstrom. 2,584,374, Feb. 5.
Closure mechanism for pressure vessels. A. O. Riordan. 2,584,500, Feb. 5.
Clothesline support. E. Coss. 2,584,186, Feb. 5.
Clutch driven plate. A. R. Narrin. 2,584,906, Feb. 5.
Coated base, the coating being in macrocrystalline form and composed of normally solid film forming material and trioxane. P. Arcidiacono. 2,584,657, Feb. 5.
Coaxial relay. C. F. Miller and C. J. Murphy. 2,584,901, Feb. 5.
Coiling article attached string. F. P. Parish. 2,584,913, Feb. 5.
Coiling device and attachment for drill presses or the like. E. T. Oliver. 2,584,154, Feb. 5.
Collapsible sheet metal bottle carrier. E. N. Castle. 2,584,787, Feb. 5.
Collapsible step display stand. C. A. Decker and P. S. Scaturro. 2,584,849, Feb. 5.
Color forming development with an aromatic primary amino developer and α-[4-sulfophenylazo]-acetoacet-2-4-dichloroanilide. N. Heimbach. 2,584,349, Feb. 5.
Color television picture tube. M. Rosenberg and J. A. Rajchman. 2,584,814, Feb. 5.
Colostomy pouch. I. E. Botvin and T. Torman. 2,584,540, Feb. 5.
Comb. J. W. Kaye. 2,584,467, Feb. 5.
Comb, Pocket. J. N. Jamo. 2,584,462, Feb. 5.
Combination check and block valve. C. O. Mefford and G. D. Massey. 2,584,900, Feb. 5.
Combination coupling and governor for producing axial movement. C. Hollerith. 2,584,703, Feb. 5.
Combination lock. C. J. Amo. 2,584,655, Feb. 5.
Combination tool. B. Frazier. 2,584,568, Feb. 5.
Combined facsimile transmitting and receiving equipment. L. G. Pollard. 2,584,398, Feb. 5.
Compounds of alginic acid and its derivatives, Production of. J. B. Speakman, N. H. Chamberlain, and C. M. C. Dorkin. 2,584,508, Feb. 5.
Computer for solving simultaneous equations. L. M. Oberlin. 2,584,809, Feb. 5.
Concentration of vitamin A esters. J. G. Baxter and H. M. Kascher. 2,584,662, Feb. 5.
Condensation of an organo silane with a polyhydric alcohol and thereafter with a polycarboxylic acid and product. M. J. Hunter and L. A. Rauner. 2,584,351, Feb. 5.
Constant flow valve. C. D. Branson. 2,584,418, Feb. 5.
Constant pressure cycle continuous flow combustion gas turbine power plant. A. R. Howell. 2,584,878, Feb. 5.
Construction of stator elements of turbines, compressors, or like machines. R. C. McLeod. 2,584,899, Feb. 5.
Container and draw cord combination. R. Eisenhardt. 2,584,336, Feb. 5.
Container assembling apparatus. G. H. Laabs. 2,584,718, Feb. 5.
Container with fused reinforced seam. C. A. Southwick, Jr. 2,584,633, Feb. 5.
Container with trap chamber operated by tipping. C. G. Huebl and H. P. Buerosse. 2,584,130, Feb. 5.
Containers, Making. C. A. Southwick, Jr. 2,584,632, Feb. 5.
Continuous recycling of an alcoholic oil solvent in oil extraction. A. C. Beckel and J. C. Cowan. 2,584,108, Feb. 5.
Continuous method for the manufacture of twistless glass fiber assemblies. J. Verreet. 2,584,517, Feb. 5.
Control mechanism. F. H. Owens. 2,584,734, Feb. 5.
Convection compensating centrifuge. C. F. Hall. 2,584,345, Feb. 5.
Conversion arrangement for suction cleaners. R. C. Osborn. 2,584,495, Feb. 5.
Convertible high and low chair. L. T. Tuttle. 2,584,642, Feb. 5.
Conveyer of the belt type, Endless. D. F. Przybylski. 2,584,288, Feb. 5.
Cooking and canning meat patties. J. Hoffman and A. Gruff. 2,584,584, Feb. 5.
Cooling explosion engines. A. A. A. Darche. 2,584,560, Feb. 5.

Copolymers of diallyl endomethylene tetrahydrophthalate and an unsaturated mixed polyester. R. J. Agnew. 2,584,316, Feb. 5.
Copolymers of dichlorodifluoroethylene and ethylene. W. E. Hanford. 2,584,126, Feb. 5.
Copolymers of trifluorochloroethylene and styrene. F. G. Pearson. 2,584,284, Feb. 5.
Cork containing composite sheet material. A. M. Yocom and G. D'Oller. 2,584,959, Feb. 5.
Corn snapping and husking rolls. S. C. Heth. 2,584,204, Feb. 5.
Couch bed linkage for folding, unfolding, and positioning a full length mattress in couch or bed formation. J. Martin. 2,584,146, Feb. 5.
Counterbalancing a pivoted arm or member. D. W. Rawnsley, E. R. Green, and J. G. Gill. 2,584,921, Feb. 5.
Countercurrent contacting of solids and gases. H. W. Scheeline. 2,584,296, Feb. 5.
Cover: *See*—
Vehicle wheel cover.
Wheel cover.
Cover for drink mixers, Sanitary. C. H. Douglass. 2,584,437, Feb. 5.
Cover securing means for pressure cookers and the like. A. G. Swenson. 2,584,759, Feb. 5.
Crossover homogenizing apparatus. J. Bailey. 2,584,827, Feb. 5.
Culinary accessory. D. L. Sandzenbacher. 2,584,295, Feb. 5.
Cultivator, Tractor mounted. J. Morkoski. 2,584,217, Feb. 5.
Cup dispenser. G. Taubert. 2,584,941, Feb. 5.
Curing coatings of polysulfide polymers. W. S. Foulks. 2,584,264, Feb. 5.
Curler, Eyelash. P. A. Brown. 2,584,668, Feb. 5.
Curler, Hair. E. Hammerschmidt. 2,584,698, Feb. 5.
Curtain. N. S. Hicks. 2,584,205, Feb. 5.
Curtain. L. Spiegel, C. Behensky, and M. Druck. 2,584,635, Feb. 5.
Cushion for foot pedals. S. F. Bashara. 2,584,831, Feb. 5.
Cutter: *See*—
End mill cutter.
Rotary cutter.
Cutting and breaking glass, Method and apparatus for. D. W. Dunipace. 2,584,851, Feb. 5.
Cyclone furnace with separated combustion and heat exchange chambers. M. A. G. Fabia and H. E. G. J. Clausen. 2,584,686, Feb. 5.
Cylinder head. K. Rabe. 2,584,289, Feb. 5.
Decreasing fluorescence of synthetic caffeine. J. S. Buckley, Jr. 2,584,839, Feb. 5.
Deer call. A. H. Carhart. 2,584,549, Feb. 5.
Deflector for tractors, Hot-air. C. E. Clapper. 2,584,329, Feb. 5.
Delayed-action switch. R. M. Cole. 2,584,673, Feb. 5.
Device for contour dressing grinding wheels. J. C. Garand. 2,584,121, Feb. 5.
Device for extracting pipes from wells. G. W. Miller. 2,584,902, Feb. 5.
Device for preventing humidity in enclosures containing insulating parts. A. Latour. 2,584,889, Feb. 5.
Device for supporting transparent stereoscopic slides. H. S. Alexander. 2,584,245, Feb. 5.
Diacyl 1,3-amino alcohols and their hydrolyzed products, 1,3-amino alcohols, Preparation of. E. L. Jenner. 2,584,589, Feb. 5.
Dial scale indicator. L. S. Williams. 2,584,958, Feb. 5.
Dialkylammoalkyl esters of phenyl halogenated ortho-hydroxybenzoic acids. M. Sahyun. 2,584,160, Feb. 5.
Dials for lathe carriages, Feed indicating. W. G. Hoelscher. 2,584,963, Feb. 5.
Diaper and moistureproof cover, Combination. M. O. McConnell. 2,584,898, Feb. 5.
Diaphragm control slip. S. Cousins. 2,584,556, Feb. 5.
Diaphragm pump. L. C. Neufeld. 2,584,552, Feb. 5.
Dicarboxylic acids and esters and their preparation, Unsaturated. C. J. Albisetti, Jr., and N. G. Fisher. 2,584,527, Feb. 5.
Die: *See*—
Threading die.
Die-cast sliders, Making. N. J. Poux. 2,584,916, Feb. 5.
Diels-Alder adducts of hexahalocyclopentadiene with quinones. R. E. Lidov, J. Hyman and E. Segel. 2,584,139, Feb. 5.
Differential measuring gauge. D. N. Kirkpatrick. 2,584,714, Feb. 5.
Differential steering mechanism for vehicles. E. B. Clemons. 2,584,672, Feb. 5.
Digging adjustment for endless type trench excavators. D. F. Przybylski. 2,584,287, Feb. 5.
Diphenyl and phenyl orthosilicates. E. Da Fano. 2,584,334, Feb. 5.
Dipper. S. J. Boehringer. 2,584,416, Feb. 5.
Disk harrow. P. R. Sonneman. 2,584,238, Feb. 5.
Dispenser: *See*—
Cup dispenser.
Dispensing apparatus for vending machines. L. W. McOmber. 2,584,726, Feb. 5.
Dispensing applicator and massaging device. W. C. Pancoast. 2,584,735, Feb. 5.
Dispersing and emulsifying compositions. L. A. Gruenwald. 2,584,123, Feb. 5.
Display bin assembly. W. G. Stewart. 2,584,755, Feb. 5.
Display device. J. C. Burris. 2,584,840, Feb. 5.
Display device for merchandise. J. Wallerowitz. 2,584,947, Feb. 5.
Display stand. L. B. Morrison. 2,584,489, Feb. 5.
Dissolving soluble solids in liquids. C. H. Ohlwiler. 2,584,910, Feb. 5.
Distance relay protective system. A. R. V. Warrington. 2,584,765, Feb. 5.
Distributor. F. Nelson. 2,584,907, Feb. 5.
Doll, Multiple faced. H. Goerditz. 2,584,798, Feb. 5.
Domestic mixing apparatus. R. F. Laurence. 2,584,887, Feb. 5.
Door. P. H. Sherron. 2,584,624, Feb. 5.
Door check. H. V. Miller. 2,584,903, Feb. 5.
Double-acting hydraulic jack. R. J. Steinhoff. 2,584,820, Feb. 5.
Double rolling attachment for printing presses. D. S. Harnly, Jr. 2,584,266, Feb. 5.
Dowel cutting head. H. S. Newton. 2,584,492, Feb. 5.
Drain valve. R. R. Curtis. 2,584,188, Feb. 5.
Drill: *See*—
Percussion rock drill.
Rotary percussion drill.
Drilling fluid, Oil base. H. Shinouda. 2,584,930, Feb. 5.
Drilling fluid. W. J. Weiss. 2,584,768, Feb. 5.
Drip tray assembly. R. J. Carbary. 2,584,670, Feb. 5.
Drive fastener. O. J. Poupitch. 2,584,812, Feb. 5.
Drive for continuous processing machines. H. W. Sachs and C. C. Borek. 2,584,293, Feb. 5.
Driving mechanism and supporting structure for machines. G. F. Wales and P. H. Taylor. 2,584,403, Feb. 5.
Drop hammer safety device. G. E. Barnhardtson. 2,584,534, Feb. 5.
Dry rendering of sewer grease. N. E. Fazenbaker. 2,584,795, Feb. 5.
Dual engine manifold pressure balancing device. C. B. Hart. 2,584,872, Feb. 5.
Duplex brake. C. E. Tack. 2,584,940, Feb. 5.
Dynamically balanced rotor. E. L. Thearle. 2,584,942, Feb. 5.
Educational apparatus for simulating the operation of aircraft. J. E. Butler. 2,584,113, Feb. 5.
Ejecting mechanism. W. S. Sutowski. 2,584,168, Feb. 5.
Electric computing mechanism. S. M. Marco. 2,584,897, Feb. 5.
Electric lighting fitting having the lamp and control elements therefor removable as a unit. F. L. Cator and F. W. Thorpe. 2,584,671, Feb. 5.
Electric motor. L. A. Palffy. 2,584,365, Feb. 5.
Electric oscillatory circuit device. H. G. Kehbel. 2,584,592, Feb. 5.
Electric refrigeration and defroster controller. I. E. McCabe. 2,584,482, Feb. 5.
Electric terminal and conductor mounting. A. R. Liaci. 2,584,476, Feb. 5.
Electrical crystal-contact device. E. G. James and A. O. E. Lindell. 2,584,461, Feb. 5.
Electrical ignition system. W. B. Smits. 2,584,507, Feb. 5.
Electrical positioning mechanism. L. S. Williams. 2,584,957, Feb. 5.
Electrical relay. C. S. Snavely. 2,584,749, Feb. 5.
Electrode saving attachment for carbon arc lamps. R. Hanover. 2,584,579, Feb. 5.
Electrolytic preparation of alkali metal chlorites. L. Vanharen, M. Rossier, and L. Vandeur. 2,584,824, Feb. 5.
Electromagnetic synchronizer. G. Duyck. 2,584,116, Feb. 5.
Electromagnetic system. A. S. Fitz Gerald. 2,584,856, Feb. 5.
Electronic counter. J. L. Lawson. 2,584,720, Feb. 5.
Electronic counting circuit. B. E. Phelps. 2,584,811, Feb. 5.
Electronic counting device. R. E. Mumma. 2,584,363, Feb. 5.
Electronic relay. P. C. Michel. 2,584,728, Feb. 5.
Electronic tuning device. T. H. Long. 2,584,277, Feb. 5.
Electroplating control system. M. L. Sands. 2,584,816, Feb. 5.
Electrostatic reproduction process and apparatus. P. J. Good. 2,584,695, Feb. 5.
Emergency control for brakes. L. A. Woodsworth. 2,584,521, Feb. 5.
Emulsion, including water, fuel oil, and finely divided solids for combustion, Method and apparatus for producing an. R. F. Leftwich. 2,584,805, Feb. 5.
Emulson polymerization of vinylidene compounds in the presence of hydroperoxides of alkyltetrahydronaphthalenes. W. B. Reynolds, J. E. Wicklatz, and T. J. Kennedy. 2,584,773, Feb. 5.
End mill cutter. S. P. G. Höglund. 2,584,449, Feb. 5.
End play adjusting arrangement. H. Konet. 2,584,472, Feb. 5.
Envelope feeding mechanism. A. Novick. 2,584,730, Feb. 5.
Evaporating unit for heat exchange apparatus. G. Frie. 2,584,442, Feb. 5.
Evaporator, Regenerative. F. A. Loebel. 2,584,357, Feb. 5.
Expansible wall receptacle. I. E. Dearsley. 2,584,431, Feb. 5.
Expendible cartridge filter and making same. F. B. Harvuot. 2,584,387, Feb. 5.
Exposure meter. M. E. Fogle. 2,584,440, Feb. 5.
Exposure meter dial structure. F. P. Wilcox. 2,584,406, Feb. 5.
Extended surface heat exchangers, Making. D. Dalin. 2,584,189, Feb. 5.

Extractor: *See*—
Pipe extractor.
Eye protection device. E. M. Splaine. 2,584,934, Feb. 5.
Fabricating filled capsules, Process of and mechanism for. R. P. and J. O. Scherer. 2,584,622, Feb. 5.
Fader for radio receiving or other apparatus. F. H. Owens. 2,584,155, Feb. 5.
Fastener: *See*—
Drive fastener.
Insert fastener.
Storm window fastener.
Fastener for securing molding trims. O. J. Poupitch. 2,584,813, Feb. 5.
Fastening device. C. H. Pfaffko. 2,584,224, Feb. 5.
Fastening inserting machine. C. D. Knowlton. 2,584,273, Feb. 5.
Fastening means for telescoping tubular members. C. J. Oliver and J. Kupski. 2,584,283, Feb. 5.
Faucet attached laundry spray. F. Thomas. 2,584,943, Feb. 5.
Feed hopper and feed mechanism. J. A. Kaserman. 2,584,466, Feb. 5.
Feeder: *See*—
Filter aid feeder.
Moated dog feeder.
Fiber products, Making. G. A. Gerard. 2,584,693, Feb. 5.
Film advancing means for cameras, including film pawls or curtain shutters. C. H. Jacobson. 2,584,964, Feb. 5.
Film to television translator. F. N. Gillette. 2,584,265, Feb. 5.
Filter. H. E. Marvel. 2,584,394, Feb. 5.
Filter aid feeder. H. E. Marvel. 2,584,395, Feb. 5.
Filter cartridges, Making. J. W. Wilkinson. 2,584,771, Feb. 5.
Filtering apparatus. H. I. Chambers and L. B. Ehrlich. 2,584,551, Feb. 5.
Finger applicator or massaging device. C. R. Woodbury. 2,584,649, Feb. 5.
Fire-control mechanism for firearms. H. H. Sefried, II. 2,584,299, Feb. 5.
Fishhook baiter. F. G. Schmidt. 2,584,231, Feb. 5.
Fishhook holder. E. B. Dayton and A. P. Swem. 2,584,430, Feb. 5.
Fishnet. B. C. Anderson. 2,584,530, Feb. 5.
Fish processing apparatus. W. A. Fonken and E. Auer. 2,584,567, Feb. 5.
Fishing gaff. J. T. Shackel. 2,584,371, Feb. 5.
Flexible corrugated tubes, Making. R. E. Roberts. 2,584,501, Feb. 5.
Floatable breakwater. P. L. Guarin. 2,584,867, Feb. 5.
Floor furnace valve. C. S. Stuckenholt. 2,584,937, Feb. 5.
Flow control of particles in fluidized processing. J. Beam. 2,584,378, Feb. 5.
Fluid operated reciprocating piston type windshield wiper motor. C. R. Sacchini. 2,584,229, Feb. 5.
Fluid pressure brake apparatus. E. G. Erson. 2,584,794, Feb. 5.
Fluid pressure released brake. P. H. and G. I. Danly, and V. Georgeff. 2,584,192, Feb. 5.
Fluidifying mixtures mainly comprising highly polymerized polyvinyl acetates. K. Elias. 2,584,852, Feb. 5.
Flush tank lever. H. F. Smith. 2,584,931, Feb. 5.
Foldable closure. R. A. Brenner and M. J. Planeaux. 2,584,111, Feb. 5.
Folding machine, Box blank. W. P. Fergnani. 2,584,855, Feb. 5.
Food processing apparatus. F. W. Krueger. 2,584,473–4, Feb. 5.
Forearm fracture traction applicator. R. K. Hart. 2,584,203, Feb. 5.
Forming a cavity resonator. D. Alpert, S. Krasik, and T. D. Holstein. 2,584,717, Feb. 5.
Forming grinding wheels. C. L. Garrison. 2,584,862, Feb. 5.
Forming tool. L. J. Auer. 2,584,321, Feb. 5.
Fountain, Fowl drinking. J. F. Feck. 2,584,383, Feb. 5.
Frame member locating device. D. G. G. Ford. 2,584,263, Feb. 5.
Freight support structure for trucking vans and the like. E. W. Shreve. 2,584,506, Feb. 5.
Frequency control circuit. J. G. Beard and N. J. Oman. 2,584,780, Feb. 5.
Frequency measuring device. J. W. Gray. 2,584,866, Feb. 5.
Fruit press. A. Crot. 2,584,333, Feb. 5.
Funnel with spout and vent closure. G. H. Morrison. 2,584,216, Feb. 5.
Furnace: *See*—
Reactor furnace.
Furnace door structure with spring and cam retention means. E. C. Webb. 2,584,404, Feb. 5.
Fuse drop-out cutout. D. C. Hubbard. 2,584,586, Feb. 5.
Fused bath electrolytic cell for the production and refining of metals. L. Ferrand. 2,584,565, Feb. 5.
Gaff hook. C. E. and G. O. Johnson. 2,584,881, Feb. 5.
Garbage disposal and sink soil fitting. W. J. Collison. 2,584,423, Feb. 5.
Garment. R. O. Granert. 2,584,577, Feb. 5.
Garment form and hanger, Combined. R. R. Walton. 2,584,218, Feb. 5.
Garment, Surgical. E. K. McDowell. 2,584,279, Feb. 5.
Garment trimming machine. J. Rubin. 2,584,620, Feb. 5.
Gas control valve. C. S. Stuckenholt. 2,584,936, Feb. 5.
Gas turbine power plant, including means to treat combustion products between successive stages of expansion. M. H. L. Sédille. 2,584,232, Feb. 5.
Gaseous discharge device. P. W. Stutsman. 2,584,758, Feb. 5.
Gate: *See*—
Automatically opening head gate.
Gauge: *See*—
Adjustable gauge.
Differential measuring gauge.
Inside gauge.
Liquid level gauge.
Vacuum gauge.
Gauge for drill presses, Depth. C. F. Deane. 2,584,676, Feb. 5.
Gear member. S. P. De Mato. 2,584,793, Feb. 5.
Geiger tube radiation meter. J. M. Constable. 2,584,844, Feb. 5.
Gem setting and articles of jewelry made therefrom. C. Holl. 2,584,207, Feb. 5.
Glass fiber mats, Method and apparatus for the production of. H. R. Hogendobler. 2,584,702, Feb. 5.
Glass fiber products and producing them, Colored. J. H. Waggoner. 2,584,763, Feb. 5.
Glove holder. G. and I. Bloom. 2,584,251, Feb. 5.
Governor mechanism. R. H. Thorner. 2,584,170, Feb. 5.
Grapple. W. H. Elsey. 2,584,853, Feb. 5.
Grill for ventilating fans. W. A. Spear. 2,584,933, Feb. 5.
Ground speed indiactor. A. G. Thomas. 2,584,641, Feb. 5.
Ground trainer for aircraft crew. R. C. Davis, E. J. Fogarty, and R. O. Rippere. 2,584,261, Feb. 5.
Grubbing attachment for tractors. T. A. Guess. 2,584,868, Feb. 5.
Guard or protector for poultry service utensils. A. H. Beckman. 2,584,782, Feb. 5.
Gun sight having a plurality of illuminated reticles. R. Tousey. 2,584,171, Feb. 5.
Gust alleviating control means for airplanes. G. E. Bockrath. 2,584,667, Feb. 5.
Gyroscope, Angular rate. H. H. Haglund. 2,584,125, Feb. 5.
Hair clip. E. Sprinkle. 2,584,637, Feb. 5.
Hair straightening machine. B. A. Dodd. 2,584,434, Feb. 5.
Handle: *See*—
Mattress handle.
Handling of fluoboric acid. J. W. Sprauer and O. S. Sprout, Jr. 2,584,819, Feb. 5.
Hanger: *See*—
Ball bearing swing hanger.
Lavatory hanger.
Skirt hanger.
Harvesting machine. C. V. Morine. 2,584,361, Feb. 5.
Hearing aid hat construction, Lady's. A. Maffris. 2,584,896, Feb. 5.
Heat transfer element. B. Spieth. 2,584,239, Feb. 5.
Heater: *See*—
Pebble heater.
Heater for moving electrolytes. C. R. Alden. 2,584,654, Feb. 5.
Heating device, Electric. S. Stein. 2,584,302, Feb. 5.
Hem marker. D. Sewell. 2,584,929, Feb. 5.
Hickey for canopy switches. J. A. Wasselie. 2,584,767, Feb. 5.
High chair and ladder, Combined. P. R. Schilling. 2,584,742, Feb. 5.
Hinge. E. Swedman. 2,584,372, Feb. 5.
Hinge mechanism for swinging barriers. J. F. Monger. 2,584,904, Feb. 5.
Holder: *See*—
Card holder.
Fishhook holder.
Glove holder.
Key holder.
Sprinkler hose holder.
Telephone card holder.
Holding apparatus for testing cable. O. G. Nelson. 2,584,282, Feb. 5.
Hook: *See*—
Gaff hook.
Hose ends, Making. A. J. Weatherhead, Jr. 2,584,948, Feb. 5.
Hosiery protecting insert for shoes. D. S. Veatch. 2,584,516, Feb. 5.
House heating. F. W. Gay. 2,584,573, Feb. 5.
House Number, Ornamental. D. F. Hansen. 2,584,699, Feb. 5.
Housing for head lamps, Antiglare. W. C. Bauman. 2,584,181, Feb. 5.
Humidifier and evaporative cooler. R. A. Robic. 2,584,618, Feb. 5.
Humidifier for heated air ducts. C. A. Woodruff. 2,584,650, Feb. 5.
Hydraulic cylinder construction and mounting arrangement. R. E. Cross. 2,584,428, Feb. 5.
Hydraulic resaw setwork. D. H. Bookhultz and G. E. Zweifel. 2,584,837, Feb. 5.
Hydraulic transmission system for reproducing rotary movements at a distance. P. G. J. M. Audemar and P. L. J. Gerard. 2,584,659, Feb. 5.
Hydropneumatic locking cushion for power presses. V. Georgeff. 2,584,339, Feb. 5.
Impedance matching device for wave guide junctions. S. Sensiper, R. B. Muchmore, and J. V. Hupcey. 2,584,162, Feb. 5.
Implement and marker, Tractor-mounted. F. E. Hand and W. O. Graham. 2,584,200, Feb. 5.

Incinerator, Kitchen cabinet. G. L. C. Earle. 2,584,382, Feb. 5.
Index system, Alphabetic. M. den Outer. 2,584,193, Feb. 5.
Indicating and setting mechanism for machine tools. R. C. Montanus. 2,584,360, Feb. 5.
Indicating device for periodical measurings. R. Aeberhard. 2,584,778, Feb. 5.
Indicator: *See*—
Dial scale indicator.
Ground speed indicator.
Indicator board. B. Stockfleth and L. R. M. Osborne. 2,584,511, Feb. 5.
Infant's bathing and dressing stand. L. W. Schwartz. 2,584,744, Feb. 5.
Injection pump for internal-combustion engines. J. E. Witzky. 2,584,408, Feb. 5.
Insect repellents. P. D. Bartlett and B. C. McKusick. 2,584,105, Feb. 5.
Insert fastener. C. T. Koochembere. 2,584,133, Feb. 5.
Inside gauge. P. C. McKee. 2,584,602, Feb. 5.
Instrument, Ball point writing. H. C. Frentzel. 2,584,569, Feb. 5.
Instrument, Gyro. R. Haskins, Jr. 2,584,876, Feb. 5.
Instrument, Musical. J. Gaukstern. 2,584,572, Feb. 5.
Instrument, Physician's venous blood letting and collecting. W. Wilkins. 2,584,520, Feb. 5.
Interference prevention circuit. A. R. Starr. 2,584,165, Feb. 5.
Intermittent drive mechanism. H. da Costa. 2,584,558, Feb. 5.
Ironing machine, Flatwork. A. E. Leisenring. 2,584,598, Feb. 5.
Irrigation signal. R. H. Cox. 2,584,425, Feb. 5.
Isomers of Diels-Alder adducts of hexahalocyclopentadiene with quinones. E. Segel, R. E. Lidov, and J. Hyman. 2,584,140, Feb. 5.
Jack: *See*—
Double-acting hydraulic jack.
Joint: *See*—
Rotatable wave guide joint.
Joint having one center of deflection, Universal. J. T. Welsh. 2,584,648, Feb. 5.
Journal bearing with self-energized hydraulically loaded segment. D. F. Wilcock. 2,584,770, Feb. 5.
Key for musical instruments. W. G. Appel. 2,584,319, Feb. 5.
Key holder. H. C. Riepe. 2,584,617, Feb. 5.
Kitchen sink mounting. G. R. Harris. 2,584,581, Feb. 5.
Knife blades, Making. B. Miller. 2,584,470, Feb. 5.
Knitting machine and operating same, Straight bar. F. Lambach. 2,584,136, Feb. 5.
L-xylose, Production of. R. C. Hockett. 2,584,129, Feb. 5.
Ladder, Convertible. H. L. Garner. 2,584,197, Feb. 5.
Laminated safety glass structure and making the same. R. A. Gaiser. 2,584,859, Feb. 5.
Lamp construction having column switching means. P. C. Calissi. 2,584,548, Feb. 5.
Lamp socket for elongated tubular lamps. F. C. de Reamer. 2,584,677, Feb. 5.
Landing gear and flap control for tethered model airplanes. D. E. Hyatt. 2,584,588, Feb. 5.
Lap pin and calender rack. F. Hunter. 2,584,457, Feb. 5.
Latch and pivot for folding rules. R. E. Hopp. 2,584,451, Feb. 5.
Latch for doors, Magnetic. J. F. Manting. 2,584,480, Feb. 5.
Lathe chuck support. C. R. Terry. 2,584,169, Feb. 5.
Laundry iron support. W. T. Rickles. 2,584,370, Feb. 5.
Laundry machine. M. Beucler. 2,584,833, Feb. 5.
Lavatory hanger. J. R. Beam. 2,584,107, Feb. 5.
Level. E. D. Powell. 2,584,917, Feb. 5.
Level control apparatus relating to filling of receptacles which are closed by flaps. O. E. Kall. 2,584,465, Feb. 5.
Life raft. H. L. Kirby. 2,584,884, Feb. 5.
Lifting device. E. E. Gustafson. 2,584,124, Feb. 5.
Light-beam projecting means for projecting pictures, floodlighting, spotlighting, etc. A. T. Cahill and L. V. Merrill. 2,584,546, Feb. 5.
Light projection apparatus. R. E. Gunther. 2,584,697, Feb. 5.
Line spacing control for typewriters. J. E. Sill. 2,584,817, Feb. 5.
Liner support in hot-air furnace. H. L. Glwosky. 2,584,694, Feb. 5.
Liquid binder. C. D. Simmers. 2,584,300, Feb. 5.
Liquid dispensing and filling machine. M. Koegler. 2,584,355, Feb. 5.
Liquid distributing device. W. A. Beardsell and W. H. Hay. 2,584,960, Feb. 5.
Liquid level gauge. W. W. Hastings and R. A. Tollefsen. 2,584,446, Feb. 5.
Liquid level indicating apparatus. J. M. Hildyard. 2,584,128, Feb. 5.
Liquid pump. R. E. Gordinier. 2,584,865, Feb. 5.
Loading and unloading attachment for forked lift trucks, Lateral. J. E. Stewart. 2,584,240, Feb. 5.
Lock: *See*—
Combination lock.
Safety antijimmy window lock.
Lock for endoscopic instrument, Obturator. H. S. Rubens and I. Suwa. 2,584,619, Feb. 5.
Lock link chain. G. H. Knutson. 2,584,134, Feb. 5.
Logger's pike. C. Mitchell. 2,584,488, Feb. 5.
Low-pressure gaseous O_2 cycle with no chemical air purification. B. F. Dodge. 2,584,381, Feb. 5.
Lubricant measuring valve. J. T. Leonard. 2,584,890, Feb. 5.
Lubricated globe valve. A. S. Volpin. 2,584,761, Feb. 5.
Lubricating and cooling means for bearings. A. Nihon. 2,584,220, Feb. 5.
Lubricating fitting for vehicle springs. V. Fresolone, Jr. 2,584,119, Feb. 5.
Lubricating system. J. M. Washburn. 2,584,243, Feb. 5.
Machine for closing cartons. A. E. Rideout. 2,584,925, Feb. 5.
Machine for placing concrete and the like. C. Jackson. 2,584,459, Feb. 5.
Machine for treating of web material. W. W. Spooner. 2,584,754, Feb. 5.
Machine tool. M. W. Humphreys. 2,584,456, Feb. 5.
Machine which fills groups of containers, a group at a time, with conveyer which stops during filling operation. J. L. Ferguson and R. C. Talbot. 2,584,338, Feb. 5.
Magazine cover-removing machines. W. J. Havely. 2,584,346, Feb. 5.
Magazine having spool rotation inhibiting means. F. H. Owens. 2,584,733, Feb. 5.
Magnetic core member. B. B. Ellis. 2,584,564, Feb. 5.
Magnetometer. E. Frowe. 2,584,571, Feb. 5.
Making a tortilla flour. W. R. Lloyd and R. M. Sotres. 2,584,893, Feb. 5.
Making hamburgers. A. H. Belt. 2,584,536, Feb. 5.
Making partially carboxymethylated or phosphorylated cellulosic fibrous materials crease resistant and dye resistant. G. C. Daul and J. D. Reid. 2,584,114, Feb. 5.
Making slip lasted shoes. J. C. Lisbon and H. S. Lyness. 2,584,276, Feb. 5.
Making strong, hard silica-lime brick. C. Mendius. 2,584,604, Feb. 5.
Manipulator for starter plugs. E. M. Caferro. 2,584,545, Feb. 5.
Manufacturing method of solid L-mono-sodium glutamate monohydrate. T. Ogawa. 2,584,731, Feb. 5.
Manufacturing sound recording disks. W. E. Lord. 2,584,892, Feb. 5.
Marking member containing magnetized material. C. S. Allyn, Jr. 2,584,318, Feb. 5.
Mattress handle. W. F. Caster. 2,584,842, Feb. 5.
Mechanized seed distributor. H. J. and A. N. Baldwin and T. Mihara. 2,584,322, Feb. 5.
Merchandising and display stand. A. R. Brown. 2,584,255, Feb. 5.
Messenger wire clamp. R. B. Schoonmaker, S. P. Becker, and H. R. Wengen. 2,584,743, Feb. 5.
Metal molybdite catalyzed hydrogenation process. H. R. Arnold and J. E. Carnahan. 2,584,531, Feb. 5.
Meter: *See*—
Exposure meter.
Geiger tube radiation meter.
Mimeograph stencil signature shield. T. F. McCarthy. 2,584,806, Feb. 5.
Miniature cotton bale receptacle. P. E. Bagur. 2,584,414, Feb. 5.
Mirror and supporting handle, Hand. J. F. Barnes. 2,584,829, Feb. 5.
Mixing apparatus. M. Plunguian and J. L. Riley. 2,584,225, Feb. 5.
Mixing machine. I. M. E. Aitken. 2,584,525, Feb. 5.
Mixing valve. C. D. Branson. 2,584,417, Feb. 5.
Mixing valve. C. D. Branson. 2,584,420, Feb. 5.
Moated dog feeder. M. Sinclair. 2,584,301, Feb. 5.
Modified aminoplasts and products prepared therefrom. H. P. Wohnsiedler, E. L. Kropa and W. M. Thomas. 2,584,177, Feb. 5.
Modulation system. A. B. Bailey. 2,584,532, Feb. 5.
Moisture eliminator for beehives. M. I. Taylor. 2,584,304, Feb. 5.
Mold and molding ceramic ware. A. R. Blackburn and R. E. Steele. 2,584,109, Feb. 5.
Mold for pottery ware. A. R. Blackburn and R. E. Steele. 2,584,110, Feb. 5.
Mold for pressure forming of compositions. E. A. Woznuk and R. J. Brett. 2,584,776, Feb. 5.
Mold machine for the manufacture of hollow glass articles, Single. A. Wyss. 2,584,524, Feb. 5.
Molding machine and process. L. L. Jones. 2,584,712, Feb. 5.
Mono-fuel. J. A. Hannum. 2,584,803, Feb. 5.
Mop and broom bracket support. C. J. Verdi. 2,584,644, Feb. 5.
Mophead with quick releasing mop clamp. F. E. Nezamis. 2,584,729, Feb. 5.
Mothproofing resistant plastic garment bag. E. M. London. 2,584,722, Feb. 5.

Motor: *See*—
Electric motor.
Fluid operated reciprocating piston type windshield wiper motor.
Mounting: *See*—
Adjustable tractor wheel mounting.
Electric terminal and conductor mounting.
Kitchen sink mounting.
Sliding door mounting.
Table leg mounting.
Mounting means for bellows type thermostatically operated valve mechanisms. J. V. Giesler and P. E. Cate. 2,584,443, Feb. 5.
Multicellular velocity-modulated tube. R. Berterottiere. 2,584,323, Feb. 5.
Multiple rate valve. E. A. Buckman and T. F. Morson. 2,584,422, Feb. 5.
Multipurpose rhythm device. E. H. W. Clayton. 2,584,554, Feb. 5.
Multispeed phonograph drive. M. E. Hardy. 2,584,580, Feb. 5.
N(thiophenalkyl)arylamines. J. H. McCracken. 2,584,278, Feb. 5.
Narrow web with locked selvage and making same. C. F. Libby. 2,584,891, Feb. 5.
Nipple and dispensing device. L. D. Miles. 2,584,359, Feb. 5.
Nodulization of iron ore, Method of and apparatus for. R. C. Newhouse. 2,584,808, Feb. 5.
Nondrip valve. N. Koppel. 2,584,716, Feb. 5.
Nozzle, Pilot injection. J. Seliber. 2,584,745, Feb. 5.
Nozzle, Spray. F. Barker and W. E. Dean. 2,584,661, Feb. 5.
Nozzle with brush and wiper, Suction. B. A. Udell. 2,584,515, Feb. 5.
Nutlike products from dry beans, Preparation of. H. J. Morris. 2,584,150, Feb. 5.
Object of pressed or sprayed material fitted with a sign. H. Caprez and E. Kruse. 2,584,841, Feb. 5.
Occipital patient supporting device. R. Anderson. 2,584,412, Feb. 5.
Oil burner apparatus, Pot type. H. E. Morlock. 2,584,281, Feb. 5.
Oil tank and system. A. C. Hoffman, W. H. Geddes, and J. D. Olcott. 2,584,877, Feb. 5.
1,1-diphenyl-4-tert.-amino-2-butyne-1-ols. W. J. Croxall and J. W. Dawson. 2,584,429, Feb. 5.
Opener, Fulcrum type can. J. G. Wordeman. 2,584,244, Feb. 5.
Operating means for electric switches. A. Latour. 2,584,888, Feb. 5.
Optically determining relative thickness of surface coatings on glass articles and the like. A. M. Hillery, Jr. 2,584,583, Feb. 5.
Organic phosphines. H. C. Brown. 2,584,112, Feb. 5
Organo-silicon compounds. R. H. Bunnell. 2,584,544, Feb. 5.
Ornament. C. M. Brodbeck. 2,584,254, Feb. 5.
Ornament mounting device. L. W. Cheney. 2,584,185, Feb. 5.
Oscillator, Frequency- and voltage-stabilized. E. F. De Mers. 2,584,850, Feb. 5
Oscillator, Stabilized. H. G. Fisher. 2,584,796, Feb. 5.
Oven burner control mechanism. C. M. Mayer. 2,584,147, Feb. 5.
Overload protection device for electrical instruments. G. L. Grisdale. 2,584,800, Feb. 5.
Packaging machine. H. G. Allen. 2,584,529, Feb. 5.
Packer and slip assembly expanded by internal pressure. C. Hern. 2,584,448, Feb. 5.
Packing gland. V. E. Bourgeois. 2,584,252, Feb. 5.
Pad box. C. K. Woodman. 2,584,313, Feb. 5.
Paint applicator. W. A. Martle. 2,584,724, Feb. 5.
Paintbrush guard. E. A. Seiber. 2,584,504, Feb. 5.
Pallet. F. A. Vossenberg. 2,584,762, Feb. 5.
Panel assembly, Tiltable. J. Van Fowler. 2,584,173, Feb. 5.
Panel for box type vehicle bodies. H. E. Kruger. 2,584,885, Feb. 5.
Paperboard partitioned article carrier. E. L. Arneson. 2,584,658, Feb. 5.
Parallel thrust drive. H. W. Dahly. 2,584,335, Feb. 5.
Peach pitting apparatus. L. W. Waters. 2,584,519, Feb. 5.
Pebble heater. M. A. Ryan. 2,584,621, Feb. 5.
Pen, Fountain. J. Černý. 2,584,843, Feb. 5.
Percussion rock drill. E. Craig. 2,584,330, Feb. 5.
Percussion tool. J. H. Anderson. 2,584,246, Feb. 5.
Perishable product processing cabinet. W. A. Olson. 2,584,494, Feb. 5.
Phonograph, Automatic. R. M. Cain. 2,584,257, Feb. 5.
Phonograph record cutting machine. J. R. MacDonald. 2,584,479, Feb. 5.
Photoflash ignition apparatus and method. W. H. Fritz. 2,584,858, Feb. 5.
Photographic film, Antistatic. F. W. H. Mueller. 2,584,362, Feb. 5.
Photographic film processing apparatus. H. W. Sachs. 2,584,294, Feb. 5.
Photographic waveform recorder for cathode-ray tube indicators. E. M. Williams. 2,584,175, Feb. 5.
Picket fence construction. W. G. Funck. 2,584,690, Feb. 5.
Pipe: *See*—
Pulp screen flow pipe.
Pipe and tubing bender. J. D. Benfield. 2,584,537, Feb. 5.
Pipe extractor. S. L. Handforth. 2,584,801, Feb. 5.
Pipe fitting. C. H. Crawley. 2,584,845, Feb. 5.
Plate, Pie. C. A. Chmielewski. 2,584,379, Feb. 5.
Plateau. M. Lewis. 2,584,392, Feb. 5.
Platform rocking chair. H. E. Brown. 2,584,184, Feb. 5.
Pliers, Optical. F. R. Diepen. 2,584,433, Feb. 5.
Plow for leveling ballast of railway tracks. G. W. Dungerfield. 2,584,675, Feb. 5.
Plunger for inflating pumps. H. J. W. Roll. 2,584,926, Feb. 5.
Pocketbook with resilient interengageable edges for closure of same. L. Kohn. 2,584,594, Feb. 5.
Polyester copolymers. R. J. Agnew. 2,584,315, Feb. 5.
Polymerization of ethylenically unsaturated compounds. C. W. Theobald. 2,584,306, Feb. 5.
Pop-type safety valve. L. J. Kmiecik. 2,584,715, Feb. 5.
Positioner for hemispherical fruit halves. J. Albertoll. 2,584,526, Feb. 5.
Positive pedestal switched video tube. P. T. Maresca. 2,584,144, Feb. 5.
Potentially reactive furan impregnating solutions. A. P. Dunlop and P. R. Stout. 2,584,681, Feb. 5.
Poultry nest. L. Ockenfels. 2,584,909, Feb. 5.
Power-operated mechanism for moving a tool slide and tool slide carriage. E. R. Smith. 2,584,629, Feb. 5.
Power-operated surface abrader, Portable. P. J. Reitz. 2,584,738, Feb. 5.
Power transmission. A. J. Syrovy, W. T. Dunn, and T. Iavelli. 2,584,939, Feb. 5.
Preparing solutions of gelatin in polyhydric alcohols. L. F. Tice. 2,584,307, Feb. 5.
Preparing substantially iron-free ammonium sulfate from spent pickle liquor. H. P. Meissner and R. W. Hyde. 2,584,280, Feb. 5.
Press: *See*—
Fruit press.
Pressed metal vehicle wheel. D. W. Voorhees. 2,584,309, Feb. 5.
Pressure carburetor. A. W. Orr, Jr. 2,584,911, Feb. 5.
Pressure equalizing valve. D. B. Baker. 2,584,533, Feb. 5.
Pressure relief valve. E. W. Work. 2,584,523, Feb. 5.
Printing device, Hand stamp. W. F. Oblinger. 2,584,908, Feb. 5.
Processing of grains for the production of alcohol. L. M. Christensen and L. A. Underkofler. 2,584,258, Feb. 5.
Producing crack free hard facing metal coatings. G. F. Scherer. 2,584,161, Feb. 5.
Projector, Automatic slide. G. S. Brenchley and S. Gorwitz. 2,584,421, Feb. 5.
Protective groove dictating apparatus. E. P. Johnson and F. E. Runge. 2,584,464, Feb. 5.
Protective system for series capacitors. F. D. Johnson. 2,584,710, Feb. 5.
Providing timepieces with spiral-helix hairsprings. L. R. Burghoff. 2,584,786, Feb. 5.
Pulp screen flow pipe. E. S. Anderson and A. B. Haley. 2,584,247, Feb. 5.
Pulsator washer with vacuum drying. H. J. Rand. 2,584,291, Feb. 5.
Pulverent asphaltic composition. H. B. Pullar. 2,584,919, Feb. 5.
Pump: *See*—
Diaphragm pump.
Liquid pump.
Variable delivery vane-type hydraulic pump.
Pump liner. G. W. Walton. 2,584,518, Feb. 5.
Pump or motor, Fluid. C. B. Hatfield. 2,584,582, Feb. 5.
Punch and die set. J. W. Barnett. 2,584,415, Feb. 5.
Purification of alcohols. B. E. V. Bowen and J. Howlett. 2,584,325, Feb. 5.
Purification of benzene hexachloride. B. M. Williams. 2,584,376, Feb. 5.
Pyrazolopyridines. D. A. W. Adams and G. Fawthrop. 2,584,314, Feb. 5.
Pyridylchlorosilanes. B. A. Bluestein. 2,584,665, Feb. 5.
Pyrrolidyl thiolesters. J. H. Hunter. 2,584,131, Feb. 5.
Quoit. C. M. Custer. 2,584,260, Feb. 5.
Rack: *See*—
Broom and mop rack.
Radiant heating system. G. F. Keck. 2,584,591, Feb. 5.
Radiator designed to permit regulation of active heat radiation surface thereof. E. S. Paternoster. 2,584,914, Feb. 5.
Radio activity detector and discriminator. S. W. Lichtman. 2,584,138, Feb. 5.
Radio aid to navigation. D. G. C. Luck. 2,584,599, Feb. 5.
Radio-frequency bolometer wattmeter. E. O. Keizer and V. D. Landon. 2,584,272, Feb. 5.
Radio-frequency phase shift network. G. B. MacKimmie. 2,584,600, Feb. 5.
Radio object-locating system. P. L. Spencer. 2,584,509, Feb. 5.
Radio receiving system. R. A. Kirkman. 2,584,132, Feb. 5.
Railway switch point connection. E. C. Larry. 2,584,719, Feb. 5.
Rake, Self-cleaning hand. J. A. Healy. 2,584,348, Feb. 5.
Range finder for cameras, Lens coupled. C. C. Smith. 2,584,818, Feb. 5.

Ratchet structure, Roller type. O. G. Brown. 2,584,256, Feb. 5.
Ratcheting jaw for plier-type wrenches. J. Keiser. 2,584,353, Feb. 5.
Reacting an organosilane, glycerine, and glycerine-dicarboxylic acid ester. J. T. Goodwin, Jr. and M. J. Hunter. 2,584,341, Feb. 5.
Reacting polysiloxane with glycerine and thereafter with dicarboxylic acid and product. J. T. Goodwin, Jr. and M. J. Hunter. 2,584,343, Feb. 5.
Reacting siloxane-glycerine ester with acid ester of dicarboxylic acid and glycerine. J. T. Goodwin, Jr. and M. J. Hunter. 2,584,342, Feb. 5.
Reacting siloxane with glycerine-dicarboxylic acid ester and thereafter with dicarboxylic acid. J. T. Goodwin, Jr. and M. J. Hunter. 2,584,344, Feb. 5.
Reaction of limonene with carbon monoxide and hydrogen. C. Bordenca and W. A. Lazier. 2,584,539, Feb. 5.
Reaction of organosilane with glycerine-dicarboxylic acid ester and dicarboxylic acid. J. T. Goodwin, Jr., and M. J. Hunter. 2,584,340, Feb. 5.
Reactor furnace. F. S. White. 2,584,312, Feb. 5.
Recapturing useful fuel from the exhaust gases of internal-combustion engines. B. Da Costa. 2,584,674, Feb. 5.
Receptacle: *See*—
Expansible wall receptacle.
Miniature cotton bale receptacle.
Reciprocal integrator gearing. C. F. Schaefer. 2,584,230, Feb. 5.
Record device. H. P. Rilea. 2,584,228, Feb. 5.
Recorder, Vehicle operation. R. C. Moffitt and C. C. Cheif. 2,584,149, Feb. 5.
Recovery of lactose from mother liquor. W. J. Pratt, H. F. Seibert, and R. C. Stribley. 2,584,158, Feb. 5.
Recovery of sulfur compounds from petroleum. R. E. Barieau. 2,584,248, Feb. 5.
Reel. W. P. Dalrymple. 2,584,559, Feb. 5.
Reel driving device. P. L. Hoover and D. A. Brunton. 2,584,453, Feb. 5.
Refractory articles, Manufacture of. R. Lecuir. 2,584,475, Feb. 5.
Refrigerating system for trailers. D. W. Tiffany. 2,584,242, Feb. 5.
Refrigerator cabinet. M. Laguzzi. 2,584,886, Feb. 5.
Register and the like, Autographic. F. E. Lanegan and P. Maguire. 2,584,212, Feb. 5.
Reinforced and protectively coated unit lumber package and forming the same. J. E. Stewart. 2,584,241, Feb. 5.
Relieving fixture. J. H. McDonald and J. Novak. 2,584,483, Feb. 5.
Reversible packing. S. Dobrosavljevic. 2,584,679, Feb. 5.
Reversing drive mechanism for cleaning-air tubes in self-cleaning filters. W. M. Sheldon. 2,584,746, Feb. 5.
Rip cord operating device for parachutes. W. J. Stallan. 2,584,164, Feb. 5.
Rod: *See*—
Adjustable tie rod.
Rod and tube assembly. M. P. Graham. 2,584,696, Feb. 5.
Roller thrust bearing. C. A. Ablett. 2,584,652, Feb. 5.
Rotary cutter. B. E. De Lamater, Sr. 2,584,262, Feb. 5.
Rotary percussion drill. E. Craig. 2,584,331, Feb. 5.
Rotary swinging high lift loader. D. S. Hoover. 2,584,804, Feb. 5.
Rotatable wave guide joint. W. M. Preston. 2,584,399, Feb. 5.
Rug, Looped pile. B. A. Olsen. 2,584,493, Feb. 5.
Safety antijimmy window lock. M. Goldwasser. 2,584,575, Feb. 5.
Safety cabinet switch. W. A. Lauder. 2,584,390, Feb. 5.
Safety device for accessory apparatus on railway trains. L. K. Silcox. 2,584,234, Feb. 5.
Safety fixture for gas service pipes. J. E. Dustin. 2,584,439, Feb. 5.
Salts of 1-salicylalaminoguanidine. C. B. Biswell. 2,584,784, Feb. 5.
Sandblasting machine for cleaning inlays or the like. T. A. Webber. 2,584,647, Feb. 5.
Saw, Radial. C. P. Gesner. 2,584,863, Feb. 5.
Saw, Two-man portable power. C. R. Hughart. 2,584,209, Feb. 5.
Sawing machine, Portable. T. Stennitt. 2,584,821, Feb. 5.
Scale, Flexure plate weighing. M. A. Weckerly. 2,584,949, Feb. 5.
Scraper device for removing carbon from valve guides, Resiliently expanded. W. H. Spang. 2,584,634, Feb. 5.
Screen: *See*—
Viewing screen.
Screen attachment for windows. H. N. Renton. 2,584,369, Feb. 5.
Sealer and crimper, Power-operated hydraulic. L. L. Salfisberg. 2,584,815, Feb. 5.
Sealing a glass facing to a surface of a metal body. R. W. Kissinger and R. D. Faulkner. 2,584,354, Feb. 5.
Sealing device for pumps. H. Hornschuch. 2,584,705, Feb. 5.
Sealing device for shafts. O. B. Summers. 2,584,513, Feb. 5.
Sealing element ventilating means for dry seal gas holders. J. H. Wiggins. 2,584,953, Feb. 5.
Sealing glass to sapphire. J. L. Craston. 2,584,427, Feb. 5.
Seat: *See*—
Toilet seat.
Seat and bed, Infant's convertible. G. M. Mast, W. K. Gannett, and L. M. Shuh. 2,584,481, Feb. 5.
Securing device. C. C. Drury. 2,584,194, Feb. 5.
Self-aligning armature. S. F. Jarvis and J. R. Burch. 2,584,707, Feb. 5.
Self-balancing electrical system and method. A. J. Williams, Jr. 2,584,954, Feb. 5.
Self-starter with safety cutout, Automobile. H. W. Lindenmuth. 2,584,477, Feb. 5.
Semiautomatic pin-setting-up and ball-returning apparatus for bowling alleys. J. E. Laferriere. 2,584,596, Feb. 5.
Sensitivity adjustment for weighing scales. M. A. Weckerly. 2,584,950, Feb. 5.
Separating organic carboxylic acids from hydrocarbon oil compositions. P. J. Garner and B. J. Donovan. 2,584,861, Feb. 5.
Separation of mixtures, Process and apparatus for. J. R. Bowman and M. T. Cichelli. 2,584,785, Feb. 5.
Separation of oxygenated organic compounds from synthetic naphtha. L. P. Hodges. 2,584,269, Feb. 5.
Servo system. W. M. Harcum and J. M. Slater. 2,584,127, Feb. 5.
Shaver, Electric. R. J. Julian. 2,584,590, Feb. 5.
Shears with interchangeable cutting blade. E. E. and G. E. McMillan. 2,584,603, Feb. 5.
Sheet-cutting machine having a traveling cutter-carriage and a motor-driven reciprocating cutter. A. Mischke. 2,584,487, Feb. 5.
Shock absorber, Rotary hydraulic. B. E. O'Connor. 2,584,221, Feb. 5.
Shoe spike. J. R. Bernstein. 2,584,182, Feb. 5.
Showcase, Combination unit. R. J. Gunder. 2,584,869, Feb. 5.
Sign letter, Three-dimensional. M. E. Braun, Sr. 2,584,253, Feb. 5.
Sign supporting structure. S. W. Kanaval. 2,584,713, Feb. 5.
Signal: *See*—
Irrigation signal.
Signal for autos, Brake release. A. A. and M. F. Sweeny. 2,584,938, Feb. 5.
Silica-boria catalysts containing alumina or magnesia, Preparation of. J. P. West. 2,584,405, Feb. 5.
Silver solder alloy. R. J. Smith and R. J. Marcotte. 2,584,774, Feb. 5.
Silylphenoxyalcohols. J. L. Speier, Jr. 2,584,751, Feb. 5.
Sink and deck assembly. A. H. Galley. 2,584,860, Feb. 5.
6 and 7-bromomethyl pteridines and preparing same. J. H. Boothe. 2,584,538, Feb. 5.
Skirt hanger. H. Grossman. 2,584,199, Feb. 5.
Slicer, Food. S. J. Popell. 2,584,737, Feb. 5.
Sliding back for press type cameras. W. M. Wells, II. 2,584,311, Feb. 5.
Sliding door mounting. W. Haas. 2,584,874, Feb. 5.
Snap action switch. P. C. Jacobs, Jr. 2,584,460, Feb. 5.
Snapping roll with mating spiral rubber ribs. J. L. Aasland. 2,584,180, Feb. 5.
Snatch block. O. M. Berg. 2,584,783, Feb. 5.
Socket contact of spring wire. R. H. Alexander. 2,584,528, Feb. 5.
Sofa bed, Foldable. J. Martin. 2,584,145, Feb. 5.
Solution mixer and distributor. I. E. Aske. 2,584,104, Feb. 5.
Solution preheater for absorption refrigeration systems. N. E. Berry. 2,584,250, Feb. 5.
Sorting apparatus. E. J. Capstack and E. H. C. Brown. 2,584,327, Feb. 5.
Speed control means for gas turbines used as starting turbines. E. S. Cleave and D. R. Trowbridge. 2,584,555, Feb. 5.
Spot welding. T. Nelson. 2,584,491, Feb. 5.
Spray gun. Alfred and Abbott Abbott. 2,584,178, Feb. 5.
Sprayer. H. J. McIntosh. 2,584,484, Feb. 5.
Spring. R. G. Plety. 2,584,612, Feb 5.
Sprinkler hose holder. L. E. Brown. 2,584,543, Feb. 5.
Spudder attachment. H. W. Cardwell, G. G. Brown, and E. V. Hobbs. 2,584,328, Feb. 5.
Stabilization of microwave oscillators. L. E. Norton. 2,584,608, Feb. 5.
Stabilizing mechanism for vehicles. W. E. Gilmore. 2,584,122, Feb. 5.
Stable alkyl polysiloxane resins, Preparation of. A. F. Bidaud and L. Ceyzeriat. 2,584,835, Feb. 5.
Stack draft booster and control device for combustion apparatus. S. P. Campbell. 2,584,326, Feb. 5.
Stand: *See*—
Collapsible step display stand.
Display stand.
Infant's bathing and dressing stand.
Merchandising and display stand.
Stationary feed mechanism for imprinting machines. A. Evans. 2,584,195, Feb. 5.
Steam generating system, Low-pressure. E. P. Worthen and B. Fox. 2,584,651, Feb. 5.
Steering device for toy vehicles, Auxiliary. O. W. Denny. 2,584,561, Feb. 5.
Steering wheel for dual control assemblies, Detachable auxiliary. R. B. Sprinkel, H. D. Umstott, and H. E. Knight, Jr. 2,584,636, Feb. 5.

Stencil-moistening and stencil-blotting apparatus, Combined. H. P. Elliott. 2,584,683, Feb. 5.
Stepwise addition of a diazo thioether in emulsion polymerization. C. M. Tucker and W. E. Wells. 2,584,823, Feb. 5.
Steroid derivatives and producing the same. M. N. Huffman. 2,584,271, Feb. 5.
Stock distribution system. T. S. Skillman. 2,584,628, Feb. 5.
Stocking, Reinforced. R. E. Tilles. 2,584,944, Feb. 5.
Stop light mechanism for motor vehicles. H. R. Rogers. 2,584,292, Feb. 5.
Storage system for treating material. J. G. Mellen. 2,584,727, Feb. 5.
Storm window fastener. J. H. Widmer and C. T. Smith. 2,584,375, Feb. 5.
Stove with portable grill, Electric. J. W. Crist. 2,584,187, Feb. 5.
Strain relief for electrical connectors. S. L. Pedersen. 2,584,285, Feb. 5.
Strainer, Milk. F. G. Hodsdon. 2,584,206, Feb. 5.
Strip casting machine. H. L. Horn. 2,584,704, Feb. 5.
Support: *See*—
- Adjustable cardholder support.
- Clothesline support.
- Lathe chuck support.
- Laundry iron support.
- Mop and broom bracket support.

Support and shackle for fowl. J. H. Wunderlich. 2,584,377, Feb. 5.
Supported phosphoric acid catalyst and its preparation. J. M. Mavity. 2,584,102, Feb. 5.
Supporting hook for heddle bars. J. W. Hollingsworth. 2,584,585, Feb. 5.
Suppository. W. G. Stevenson and W. E. MacKinnon. 2,584,166, Feb. 5.
Surface-active compounds. R. A. Henry. 2,584,701, Feb. 5.
Surface reflection modifying solutions. H. R. Moulton and E. D. Tillyer. 2,584,905, Feb. 5.
Suspension for railway trucks. R. N. Janeway. 2,584,880, Feb. 5.
Switch: *See*—
- Automobile self-starter safety switch.
- Delayed-action switch.
- Safety cabinet switch.
- Snap action switch.

Switching circuit. C. P. Cooper and G. E. Williamson-Noble. 2,584,790, Feb. 5.
Switching mechanism. L. R. Elmermann. 2,584,682, Feb. 5.
Swivel connection for air operated chucks. H. E. Sloan. 2,584,747, Feb. 5.
Synchronizing mechanism. J. A. Wagner. 2,584,645, Feb. 5.
Synthesis of many-membered cyclic ketones. A. T. Blomquist and R. D. Spencer. 2,584,664, Feb. 5.
System and method for protecting pipes and other current conducting structures against electrolytic corrosion. W. R. Schneider. 2,584,623, Feb. 5.
System for reducing contact arcing in synchronous switching apparatus. M. Belamin. 2,584,535, Feb. 5.
Table leg mounting. J. J. Kohen. 2,584,471, Feb. 5.
Tank ball, stem, and guide for water closet tanks. D. R. Wittke. 2,584,407, Feb. 5.
Telegraph switching system. D. B. Perry. 2,584,736, Feb. 5.
Telephone and code call system, Automatic. F. Kessler. 2,584,210, Feb. 5.
Telephone attachment. M. J. Miller. 2,584,807, Feb. 5.
Telephone card holder. E. B. Westlake, Jr. 2,584,769, Feb. 5.
Telephone substation equipment with variable antisidetone circuit. H. M. Bascom. 2,584,830, Feb. 5.
Telephone system, Interoffice. R. Crane, Jr. and G. R. Gamertsfelder. 2,584,259, Feb. 5.
Television kinescope projection circuit. R. F. Snyder and W. S. Lee. 2,584,932, Feb. 5.
Television sweep circuits. W. K. Hodder, L. L. Pourciau, and R. W. Lee. 2,584,268, Feb. 5.
Television tuner. R. R. Wingert. 2,584,176, Feb. 5.
Temperature controller for air-conditioning systems. W. J. Hajek. 2,584,445, Feb. 5.
Temperature regulation, Automatic. W. Galenzi. 2,584,691, Feb. 5.
Textile drawing roll. M. W. Taylor. 2,584,640, Feb. 5.
Thermal drive method for recovery of oil. E. S. Merriam and F. Squires. 2,584,605–06, Feb. 5.
Thermocouple device. W. F. Richards. 2,584,615–16, Feb. 5.
Thermostat. F. and J. Reingruber. 2,584,924, Feb. 5.
Thermostat safety control. J. H. Hurlbut and C. R. Helfinger. 2,584,458, Feb. 5.
Thermostatically actuated pilot operated valve. C. D. Branson. 2,584,419, Feb. 5.
Threading die. C. H. Ingwer and C. E. Wright. 2,584,463, Feb. 5.
Threads of thermoplastic cellulose derivatives, Production of. H. M. Averns and J. Straw. 2,584,779, Feb. 5.
3-acyloxy-5,7,9(11)-androstatrien-17-one adducts. R. H. Levin, A. V. McIntosh, Jr. and G. B. Spero. 2,584,137, Feb. 5.
3-halo-9-phthalimidomethyl benzanthrone, Preparing. D. I. Randall and S. R. Buc. 2,584,367, Feb. 5.
3-phthalimidomethyl benzanthrone, Preparing. D. I. Randall and S. R. Buc. 2,584,368, Feb. 5.
Tile forming machine. J. A. Bryant. 2,584,669, Feb. 5.
Timer. G. E. Batcheider and W. E. Macneil. 2,584,106, Feb. 5.
Timing mechanism, Toaster. J. W. McNairy. 2,584,725, Feb. 5.
Tire carrier. J. Selzer. 2,584,233, Feb. 5.
Toggle-acting collet and making same. A. M. Stoner. 2,584,303, Feb. 5.
Toilet accessory for house pets. C. H. Anderson. 2,584,656, Feb. 5.
Toilet seat. R. Liebling. 2,584,141, Feb. 5.
Tongs, Grip. J. A. Skoog. 2,584,236, Feb. 5.
Tool: *See*—
- Combination tool.
- Forming tool.
- Machine tool.
- Percussion tool.

Tool clamping means. C. T. Rasmussen, W. R. Frank and H. I. Hagen. 2,584,614, Feb. 5.
Tool for inserting screw thread linings. J. O. Forster. 2,584,118, Feb. 5.
Toolholder. O. C. Severson. 2,584,505, Feb. 5.
Torque equalizer for counterrotating propellers. T. E. Dinsmoor. 2,584,115, Feb. 5.
Toy horse, Occupant propelled exercising. J. D. Jacobs. 2,584,879, Feb. 5.
Toy railroad track. R. M. Husband. 2,584,388, Feb. 5.
Tracheotomy inhaler apparatus. G. W. Holt and W. G. Kubicek. 2,584,450, Feb. 5.
Traffic protection apparatus. F. T. Fereday, Sr. 2,584,566, Feb. 5.
Transfer device. S. G. Blumensaadt. 2,584,836, Feb. 5.
Transfer mechanism for articles. W. Pechy. 2,584,157, Feb. 5.
Transmission. D. W. Kelbel. 2,584,468–9, Feb. 5.
Transmission. F. R. McFarland. 2,584,965, Feb. 5.
Transmitter and recorder with automatic sheet mounting, Facsimile. R. J. Wise and G. H. Ridings. 2,584,775, Feb. 5.
Transmitter, Pneumatic telemetering. W. J. Hughes. 2,584,455, Feb. 5.
Transparent vacuum back. M. A. Thralls. 2,584,401, Feb. 5.
Trap. W. W. Vander Clute. 2,584,643, Feb. 5.
Trap and exterminator, Rodent. F. E. Posey. 2,584,498, Feb. 5.
Traveling wave tube. R. W. Landauer. 2,584,597, Feb. 5.
Traverse mechanism of spinning machines. F. E. Smallshaw. 2,584,237, Feb. 5.
Tray and receptacle-supporting device, Combined automobile. J. A. Wagstaff. 2,584,646, Feb. 5.
Tray for motor vehicles, Adjustably secured. W. E. Cuthbertson. 2,584,557, Feb. 5.
Tray, Freezing. R. S. Boyle. 2,584,838, Feb. 5.
Tray, Packaging. N. J. Watson and J. C. Roche. 2,584,967, Feb. 5.
Treating fluid materials, Method and apparatus for. M. Cornell. 2,584,424, Feb. 5.
Treatment of fluoric effluents to obtain ammonium fluoride. W. H. MacIntire. 2,584,895, Feb. 5.
Treatment of fluoric effluents to obtain magnesium silicofluoride and/or hydrofluoric acid. W. H. MacIntire. 2,584,894, Feb. 5.
Treatment of iron ore containing impurities, including nickel and chromium. C. R. Hayward. 2,584,700, Feb. 5.
Treatment of textiles. W. W. Spooner. 2,594,753, Feb. 5.
Trihaloethyl esters of dibasic aliphatic acids and the production thereof. J. W. Cusic and A. L. Raymond. 2,584,846, Feb. 5.
Trimethylsilylphenoxy esters. J. L. Speier, Jr. 2,584,752, Feb. 5.
Truck, Elevator conveyer. A. Puig Salsas. 2,584,918, Feb. 5.
Trunnion for aircraft landing gear, Making a. G. E. Beringer. 2,584,832, Feb. 5.
Tube: *See*—
- Color television picture tube.
- Multicellular velocity-modulated tube.
- Positive pedestal switched video tube.
- Traveling wave tube.
- Very high-frequency electron tube.

Tube of the traveling wave type, Electronic. J. W. Tiley. 2,584,308, Feb. 5.
Tuner. G. W. Fyler and R. R. Wingert. 2,584,120, Feb. 5.
Turndown collar. F. W. and H. J. Bevins. 2,584,834, Feb. 5.
Tweezers with automatic traction, Hair. B. Cahn. 2,584,547, Feb. 5.
2-halo-allopregnane-17α-ol-3,20-dione, Producing. G. Rosenkranz, S. Kaufman, and J. Pataki. 2,584,159, Feb. 5.
Umbrella, Garden and beach. R. A. Russell. 2,584,502, Feb. 5.
Universal reproducing stylus. J. D. Reid. 2,584,922, Feb. 5.
Unsymmetrical disazo dyestuffs. A. F. Strobel and W. W. Williams. 2,584,935, Feb. 5.
Vacuum coating process and apparatus therefor. G. H. Bancroft. 2,584,660, Feb. 5.
Vacuum control system. W. W. Kraft. 2,584,211, Feb. 5.
Vacuum gauge. F. Todd. 2,584,945, Feb. 5.

Vacuum tube regulating apparatus. W. M. Smith. 2,584,748, Feb. 5.
Valve: *See*—
- Combination check and block valve.
- Constant flow valve.
- Drain valve.
- Floor furnace valve.
- Gas control valve.
- Lubricant measuring valve.
- Lubricated globe valve.
- Mixing valve.
- Multiple rate valve.
- Nondrip valve.
- Pop-type safety valve.
- Pressure equalizing valve.
- Pressure relief valve.
- Thermostatically actuated pilot operated valve.

Valve device. J. G. Donaldson. 2,584,436, Feb. 5.
Valve mechanism for fluid pressure pumps, Unloading. E. G. Staude. 2,584,638, Feb. 5.
Valve with continuously connected hand-wheel, Automatically operated. G. W. Dahl. 2,584,847, Feb. 5.
Variable delivery vane-type hydraulic pump. N. Crane. 2,584,426, Feb. 5.
Variable inductance device. D. Mackey. 2,584,723, Feb. 5.
Variable ratio power transmission. C. J. Green. 2,584,799, Feb. 5.
Variable-speed chain driving device. L. A. Hayot. 2,584,447, Feb. 5.
Variable-speed transmission. W. M. Brobeck. 2,584,541, Feb. 5.
Variable speed transmission. F. G. Hansen. 2,584,201, Feb. 5.
Variable warp airfoil. I. B. Bensen. 2,584,663, Feb. 5.
Variable weight sinker. K. R. Larson. 2,584,356, Feb. 5.
Vehicle bumper and trailer hitch, Combined. C. R. Perry. 2,584,366, Feb. 5.
Vehicle wheel cover. H. J. Horn. 2,584,452, Feb. 5.
Vending machine for bulk material. L. Spanski. 2,584,750, Feb. 5.
Vending machine, Portable. W. A. Jenkins. 2,584,708, Feb. 5.
Venetian blind. M. J. Mardulli. 2,584,607, Feb. 5.
Ventilator for beehives, Temperature responsive. M. I. Taylor. 2,584,305, Feb. 5.
Ventilator, Kitchen stove. W. A. Pledger. 2,584,613, Feb. 5.
Very high-frequency electron tube. C. W. Hansell. 2,584,802, Feb. 5.
Vibrating incremental mold charger or feeder. W. A. Grueneberg. 2,584,444, Feb. 5.
Vibration damper. M. W. Galliers. 2,584,384, Feb. 5.
Viewing screen. G. L. Fredendall. 2,584,441, Feb. 5.
Vitamin B_{12} composition, Stabilized. H. R. Skeggs. 2,584,627, Feb. 5.
Wall form spreader tie. A. H. Symons. 2,584,822, Feb. 5.
Wall with sound absorbing material positioned behind an array of sound reflectors. E. T. Fisk and A. Wood. 2,584,797, Feb. 5.
Water control roller for offset presses. R. C. Delaplane. 2,584,380, Feb. 5.
Water system protection for vacuum type washing. H. J. Rand. 2,584,290, Feb. 5.
Wheel: *See*—
- Pressed metal vehicle wheel.

Wheel cover. G. A. Lyon. 2,584,142, Feb. 5.
Wheel structure. G. A. Lyon. 2,584,143, Feb. 5.
Window construction. D. Alpert. 2,584,653, Feb. 5.
Window construction having both pivotal and sliding movement. H. A. Etling. 2,584,684, Feb. 5.
Window guard, Adjustable. J. W. Hulsey, Jr. 2,584,706, Feb. 5.
Window, Louver type. B. Santos. 2,584,928, Feb. 5.
Wrench having jaw adjusting means, Pivoted jaw. A. and D. Westerman. 2,584,952, Feb. 5.
Wrist watch guard. R. H. Hucknall. 2,584,270, Feb. 5.
X-ray camera, Series. S. T. Gross. 2,584,962, Feb. 5.
Zero voltage identification device for selector positioning. R. M. M. Oberman. 2,584,153, Feb. 5.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 5, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Des. 165,877:	D9—2	2,584,312:	263—52	2,584,444:	198—65	2,584,589:	260—490	2,584,748:	321—18	2,584,861:	260—404
2,584,118:	29—240	2,584,318:	252—62.5	2,584,451:	287—99	2,584,597:	179—171	2,584,750:	222—2	2,584,874:	160—214
2,584,124:	294—97	2,584,334:	252—75	2,584,453:	242—54	2,584,599:	178—5.6	2,584,754:	134—122	2,584,887:	259—108
2,584,140:	260—619	2,584,355:	226—97	2,584,456:	10—136	2,584,628:	62—89	2,584,756:	196—50	2,584,902:	294—104
2,584,154:	153—65	2,584,361:	214—42	2,584,465:	53—43	2,584,646:	224—42.43	2,584,789:	101—7	2,584,903:	292—264
2,584,166:	167—53.2	2,584,364:	61—25	2,584,473:	214—17	2,584,661:	269—130	2,584,791:	313—270	2,584,913:	28—72
2,584,176:	336—138	2,584,369:	160—28	2,584,487:	30—166	2,584,683:	118—106	2,584,795:	260—412.5	2,584,915:	142—49
2,584,178:	299—86	2,584,392:	211—133	2,584,492:	142—29	2,584,684:	20—50	2,584,802:	179—171	2,584,943:	299—136
2,584,185:	40—143	2,584,411:	75—84	2,584,507:	315—179	2,584,697:	313—114	2,584,814:	313—68	2,584,945:	73—395
2,584,190:	192—18	2,584,412:	128—84	2,584,512:	305—8	2,584,713:	248—121	2,584,819:	206—2	2,584,947:	211—102
2,584,196:	38—124	2,584,415:	164—110	2,584,517:	19—1	2,584,716:	251—137	2,584,833:	68—18	2,584,965:	74—645
2,584,199:	223—88	2,584,424:	252—370	2,584,522:	215—40	2,584,720:	250—27	2,584,840:	40—126		
2,584,202:	31—4	2,584,427:	49—81	2,584,531:	260—309	2,584,723:	336—136	2,584,841:	40—2.2		
2,584,228:	281—8	2,584,430:	43—25.2	2,584,536:	17—32	2,584,731:	260—534	2,584,848:	118—223		
2,584,286:	23—141	2,584,437:	259—122	2,584,574:	235—92	2,584,735:	15—118	2,584,851:	49—77		
2,584,308:	315—3	2,584,439:	312—199	2,584,575:	292—282	2,584,744:	4—177	2,584,856:	323—61		

Classification of Designs

D 2— 3: Des. 165,824	D15— 8: Des. 165,864	D34— 5: Des. 165,888	D44—10: Des. 165,825	D52— 1: Des. 165,849	D81—10: Des. 165,881		
D 3— 4: Des. 165,831	11: Des. 165,835	15: Des. 165,868	Des. 165,836	D56— 4: Des. 165,814	Des. 165,883		
17: Des. 165,815	D20— 4: Des. 165,851	D36— 8: Des. 165,875	15: Des. 165,826	D57— 1: Des. 165,863	D83— 1: Des. 165,822		
Des. 165,872	D22— 3: Des. 165,867	11: Des. 165,878	Des. 165,838	Des. 165,865	D87— 3: Des. 165,840		
Des. 165,882	D23— 1: Des. 165,866	D41— 1: Des. 165,839	Des. 165,855	D58—12: Des. 165,861	Des. 165,841		
26: Des. 165,816	D26— 7: Des. 165,832	D44— 1: Des. 165,848	Des. 165,873	Des. 165,884	D92— 4: Des. 165,889		
Des. 165,871	Des. 165,854	4: Des. 165,869	Des. 165,892	13: Des. 165,856	26: Des. 165,843		
D 4— 3: Des. 165,850	D29— 2: Des. 165,842	9: Des. 165,834	21: Des. 165,827	25: Des. 165,830	Des. 165,844		
D 6— 2: Des. 165,860	20: Des. 165,859	Des. 165,857	25: Des. 165,828	D62— 4: Des. 165,891	Des. 165,879		
D 9— 2: Des. 165,837	33— 2: Des. 165,817	Des. 165,858	26: Des. 165,846	D70— 1: Des. 165,823			
Des. 165,862	8: Des. 165,886	Des. 165,876	Des. 165,885	2: Des. 165,880			
Des. 165,877	14: Des. 165,829	10: Des. 165,818	D45— 4: Des. 165,870	D74— 1: Des. 165,852			
D14— 6: Des. 165,874	Des. 165,887	Des. 165,819	16: Des. 165,847	D80— 5: Des. 165,890			
D15— 8: Des. 165,853	19: Des. 165,833	Des. 165,821	D48—20: Des. 165,820	D81—10: Des. 165,845			

U. S. GOVERNMENT PRINTING OFFICE : O—1952

Condition of Applications Under Examination at Close of Business January 18, 1952

Total number of patent applications awaiting action, 105,143. Date of oldest new application, March 19, 1951; date of oldest amended application, March 19, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	3-24-51	3-20-51	2178
2. HERRMAN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	6-22-51	6-18-51	1152
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	6-5-51	6-4-51	1601
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	3-31-51	3-28-51	1948
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	5-29-51	6-4-51	1249
6. SURLE, H., Carbon Chemistry (part)	4-26-51	4-18-51	2013
7. GONSALVES, J. E., Optics; Photography (part)	5-24-51	5-3-51	1253
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	4-3-51	4-3-51	1803
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	3-27-51	3-27-51	1564
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	3-26-51	3-21-51	1147
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	4-17-51	4-21-51	1041
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	5-18-51	4-13-51	1117
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	3-30-51	4-2-51	1287
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	4-4-51	4-5-51	1645
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	6-2-21	6-9-51	1215
16. LOVEWELL, N. N., Television, Telephony	3-20-51	3-20-51	1264
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	3-30-51	3-29-51	1948
18. KURZ, J. A., Power Plants; Speed Responsive Devices	3-24-51	3-24-51	1510
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	4-12-51	4-12-51	1133
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking, Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	4-20-51	4-20-51	1422
21. MADER, R. C., Textiles	3-27-51	3-30-51	1420
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	3-29-51	3-28-51	1274
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	3-26-51	3-30-51	862
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	5-23-51	5-18-51	1600
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	5-5-51	5-4-51	1268
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	4-7-51	4-3-51	1230
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	4-5-51	4-3-51	1762
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-3-51	4-3-51	1468
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	4-9-51	4-4-51	1480
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	5-19-51	5-23-51	1586
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-8-51	5-2-51	2056
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	4-30-51	4-18-51	1281
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-6-51	4-2-51	2132
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	4-18-51	4-14-51	1341
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	3-27-51	3-28-51	1616
36. McFADYEN, A. D., Measuring and Testing	3-19-51	3-19-51	1399
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	5-10-51	5-5-51	1226
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	4-18-51	4-10-51	1516
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	5-7-51	5-7-51	2240
40. DRUMMOND, E. J., Receptacles (part); Packages	4-20-51	4-18-51	2524
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	3-27-51	3-29-51	1207

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 105,143. Date of oldest new application, March 19, 1951; date of oldest amended application, March 19, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	4-16-51	4-19-51	1307
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	5-11-51	2-8-51	1242
44. HARVEY, L. P., Beds; Chairs, Seats	4-11-51	4-11-51	1463
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-3-51	4-3-51	1486
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	4-28-51	4-21-51	933
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	5-8-51	4-7-51	1439
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	4-17-51	4-11-51	1526
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	3-23-51	3-26-51	1624
50. LEVIN, S., Synthetic Resins	6-22-51	6-26-51	1642
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-13-51	4-5-51	1089
52. WHITNEY, F. 1., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	4-3-51	4-2-51	2157
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	5-11-51	4-17-51	1102
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-19-51	4-10-51	1709
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	5-16-51	5-8-51	1168
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	5-3-51	5-2-51	1777
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	4-24-51	4-25-51	1859
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	4-7-51	4-12-51	1226
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	5-1-51	4-16-51	1184
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-24-51	4-24-51	1082
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-30-51	3-31-51	1306
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	5-1-51	4-20-51	1393
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	5-1-51	4-16-51	1735
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	6-19-51	6-14-51	1801
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	4-30-51	4-30-51	1415
66. LISANN, L., Geometrical Instruments; Automatic Weighers; Weighing Scales	3-27-51	3-23-51	1107
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	4-27-51	4-24-51	1216
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	4-2-51	4-2-51	1771
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	4-7-51	4-9-51	1324
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	3-28-51	3-20-51	1548
DESIGNS: A. BREHM, G. L., Industrial Arts	9-1-51	10-2-51	934
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	9-8-51	10-4-51	600

Total number of trade-mark applications awaiting action (including renewals and republications), 16,008. Date of oldest new application, June 25, 1951; date of oldest amended application, June 25, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	6-25-51	6-25-51	5081
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	7-26-51	7-25-51	3212
Renewals (All Classes)	11-9-51	12-13-51	564
Republications (All Classes)	11-29-51	12-13-51	224
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	7-12-51	7-10-51	3929
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	7-24-51	7-23-51	2998

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

2,083,442. (See 2,382,937.)

2,187,666, W. H. Schumann, Artificial fish bait, D. C., N. D. Ohio (Toledo), Doc. 6459, *Fly Fish Kit Co., Inc.* v. *Russell Vannatta Bait.* Judgment holding claims 8 to 12, inclusive, infringed; injunction Jan. 3, 1952.

2,213,113, A. M. Youngs, Method for testing thin rubber articles; 2,244,591, Youngs & Ballantine, Apparatus for testing prophylactic articles of thin rubber, filed Dec. 29, 1951, D. C. Mo. (Kansas City), Doc. 7304, *Youngs Rubber Corp.* v. *Dean Rubber Mfg. Co.*

2,244,591. (See 2,213,113.)

2,281,215, C. M. Van Auken, Grille guard; Des. 160,788, H. M. Jenkins, Jr., Automobile grille guard, filed Jan. 2, 1952, D. C., E. D. Mich. (Detroit), Doc. 11177, *Van Auken, Inc.* v. *Budd Barr Industries.*

2,298,373, Hansen & Hurst, Slow speed synchronous motor, D. C., S. D. Ind. (Indianapolis), Doc. 381, *General Time Instruments Corp.* v. *Hansen Mfg. Co., Inc.* Claims 4, 9, 10, and 11 held valid and infringed; injunction granted; complaint dismissed Dec. 26, 1951.

2,324,913, J. F. Daukus, Clutch plate; 2,448,879, 2,448,880, D. E. Gamble, Friction clutch plate, D. C., E. D. Mich. (Detroit), Doc. 8408, *Detroit Trust Co. et al.* v. *Joint Clutch & Gear Service, Inc., et al.* Stipulation and order of dismissal (notice Jan. 2, 1952).

2,382,937, Caulk & Davis, Open refrigerated display case; Des. 132,475, J. S. Hill, Self service display case; Des. 144,380, C. F. Hoffman, same, 2,083,442, L. C. Gardner, Humidifying display cabinet, C. C. A., 6th Cir., Doc. 11274–11275, *C. V. Hill & Co., Inc.* v. *Weber Showcase & Fixture Co., Inc.* Judgment affirmed holding design patents not infringed, dismissing action and counterclaim holding all claims of 2,382,937 and claim 1 of 2,083,442 invalid for lack of invention Dec. 10, 1951.

2,412,506, O. W. Greene et al., Means for blending fibers, filed Dec. 15, 1951, D. C., W. D. S. C. (Greenville), Doc. 1218, *Marion Textile Specialty Co. et al.* v. *Proctor & Schwartz, Inc.*

2,448,879. (See 2,324,913.) 2,448,880. (See 2,324,913.)

2,480,093, C. R. Anderson, Method of and apparatus for pumping liquid oxygen, C. A. A., 4th Cir., Doc. 6347, *Boston Metals Co.* v. *Air Products, Inc.* Decree reversing judgment of lower court Jan. 4, 1952.

2,531,234, P. H. Seckel, Longitudinally separable extruded thermoplastic strip and process of producing same, D. C., S. D. N. Y., Doc. 64/333, *R. A. Fisch* v. *World Plaster, Inc.* Consent judgment, defendant enjoined Dec. 28, 1951.

2,534,991, H. V. Reed, Clutch plate, D. C., E. D. Mich. (Detroit), Doc. 10410, *Borg-Warner Corp.* v. *Joint Clutch & Gear Service, Inc., et al.* Stipulation and order of dismissal (notice Jan. 2, 1952).

2,561,270, P. W. Felt, Liquefied petroleum gas lighter; 2,571,435, A. L. Flamm, Gas fuel cigar lighter, D. C., S. D. N. Y., Doc. 72/133, *Ronson Art Metal Works, Inc.* v. *Brown & Bigelow, Inc.* Declaratory judgment holding defendant's patent invalid, and plaintiff's patent infringed (notice Dec. 21, 1951).

2,571,435. (See 2,561,270.)

Des. 132,475. (See 2,382,937.)

Des. 144,380. (See 2,382,937.)

Des. 151,732, W. G. Bley, Lady's stocking, D. C., E. D. Pa., Doc. 12754, *Samson Hosiery Mills, Inc., et al.* v. *Smart Hosiery Shoppe.* Consent judgment favor plaintiff and granting injunction Dec. 26, 1951.

Des. 160,788. (See 2,281,215.)

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 280,380, Sasieni London, Ltd., Smokers' pipes, D. C., S. D. N. Y., Doc. 70/316, *John Hudson Moore, Inc., et al.* v. *D. A. Schulte, Inc* Stipulation and order of discontinuance (notice Jan 3, 1952).

T. M. 381,897, Mission Dry Corp., Non-alcoholic maltless beverage, filed Nov. 21, 1951, D. C. Del., Doc. 1417, *Nchi-Corp.* v. *Mission Dry Corp.*

T. M. 383,398, T. M. 399,872, Burlington Mills Corp., Hosiery; T. M. 383,495, T. M. 520,368, T. M. 520,369, same, Piece goods; T. M. 506,306, same, Cotton yarns; T. M. 514,411, T. M. 519,409, same, Men's hose, D. C., S. D. N. Y., Doc. 68/381, *Burlington Mills Corp.* v. *Burkhil, Inc., et al.* Consent judgment, defendants enjoined Jan. 2, 1952.

T. M. 383,495. (See T. M. 383,398.)

T. M. 399,872. (See T. M. 383,398.)

T. M. 403,126, Quality Fruit Wines Corp., Wines, D. C., S. D. N. Y., Doc. 65/99, *Quality Fruit Wines Corp.* v. *Atlas Import & Export Corp. et al.* Consent judgment, defendants enjoined Dec. 28, 1951.

T. M. 506,306. (See T. M. 383,398.)

T. M. 514,411. (See T. M. 383,398.)

T. M. 519,409. (See T. M. 383,398.)

T. M. 520,368. (See T. M. 383,398.)

T. M. 520,369. (See T. M. 383,398.)

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PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

The TRADE-MARK SUPPLEMENT to the OFFICIAL GAZETTE, issued weekly, subscription price, $22.75 per annum; single copies, 45 cents each. DECISION LEAFLETS, subscription price, $3.75 per year; single copies, 10 cents each.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

NOTICES

Adjudicated Patent

(C. A. Md.) Pott Patent No. 2,012,916, for an impact tool. Claims 3 and 4 *Held* invalid. *Ingersoll-Rand Co.* v. *Black & Decker Mfg. Co.*, 192 F.2d 270; 91 USPQ 255.

Classification Bulletin No. 402

Classification Bulletin No. 402 containing Classification Order No. 116 pertaining to the classification of subjects of invention revised by the Classification Group of the U. S. Patent Office is now available and includes: Class 53, Package Making. Copies may be obtained from the Commissioner of Patents at 40¢ each.

Cancellation Notices

George Hess Co. Inc., his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Finchley, Inc., 564 Fifth Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of George Hess Co. Inc., 1385 Broadway, New York, N. Y., No. 352,546, dated November 30, 1937, and the notice of such proceeding sent by registered mail to the said George Hess Co. Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said George Hess Co. Inc., his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—Jan. 29, 1952.)

ERNEST F. KLINGE,
Jan. 9, 1952. *Assistant Commissioner of Patents.*

Constantine J. Skouras, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by C. G. Paris, 204 Stewart Building, Baltimore, Maryland, to effect the cancellation of trade-mark registration of Constantine J. Skouras, 271 West 125th St., New York, New York, No. 391,053, dated October 21, 1941, and the notice of such proceeding sent by registered mail to the said Constantine J. Skouras at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Constantine J. Skouras, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—Feb. 5, 1952.)

ERNEST F. KLINGE,
Jan. 16, 1952. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,559,286. Lumber Dipping Apparatus. Patented July 3, 1951. Dipping tank for rapidly impregnating lumber is operated entirely by gravity, thereby eliminating the use of any machinery or power for forcing the lumber through the liquid. Adjustments may be quickly made to accommodate lumber of various sizes. Successive pieces of lumber are continuously fed into the upper end of a vertical channel extending downwardly into the tank along one side. Superposed pieces of lumber in the channel descend by gravity into the liquid in the tank. As each piece of lumber emerges from the channel, it is directed outwardly by a curved guide into the central zone of the tank. The lumber rises in successive layers to the top of the liquid and is fully treated when removed. (Owner) Arthur E. Downes, 7 Park Ave., Old Greenwich, Conn. Groups 24—21; 25—94. Reg. No. 46,397.

Pat. 2,420,805. Pack Stand. Patented May 20, 1947. A stand supporting a box or crate for packing fruit, vegetables, and the like may be wheeled to deposit filled box on a conveyor. A base on casters carries braced upright posts of angle metal welded at rear of base. A horizontal shaft rotatably mounted between the uprights near the top has bent ends forming forward-projecting arms which carry the box. Arms are held in horizontal position by a U-shaped yoke controlled by a keeper. When box is filled, the stand is moved to position the base under and the arms above a conveyor, and contact with side of conveyor releases trigger of keeper, allowing arms to tilt downwardly depositing box on conveyor. (Owner) Claude O. Westover, 2008 South Westmoreland Drive, Orlando, Fla. Group 35—62—63. Reg. No. 46,398.

Pat. 2,566,883. Paper Roll Holder. Patented Sept. 4, 1951. Paper roll holder and dispenser has a base to be connected to a support. A pair of recesses in the base have wide tapering mouths terminating in transverse inclined cut-outs. A pair of rocker arms pivoted to base have one end positioned in mouth of recess and other end shaped to form a hook for insertion in end of a roll of paper. A pair of springs connected to the cut-outs and rocker arms urge the arms toward each other and rotatably support the roll of paper. (Owner) Herman J. Gove, 323 South Vine St., Marion, Ohio. Groups 25—99; 32—61; 39—81; 40. Reg. No. 46,399.

Pat. 2,541,863. Building Block Lifting Tool. Patented Feb. 13, 1951. Adjustable lifting tool for handling building blocks. A horizontal handle has a fixed jaw depending from one end. A shorter slidable jaw on handle is spaced a distance from the fixed jaw. The facing sides of the two jaws are slightly curved inwardly. The slidable jaw may be adjusted toward the fixed jaw, and the jaws straddled over the outer end wall of a building block. When the handle is raised to lift the block, the wall will be engaged between the lower ends of the two jaws, or between the slidable jaw and a transverse rib on the fixed jaw. (Co-owner) Ralph Deans, Route 3, Box 100, Abbeville, S. C. Groups 33—52; 35—69. Reg. No. 46,400.

Pat. 2,537,396. Form for Casting Concrete Steps. Patented Jan. 9, 1951. This invention relates to a re-usable form for pre-casting concrete steps. The steps may be manufactured and conveyed to various points for installation. The form includes a pair of spaced side members and an inwardly spaced continuous center section or stepped concrete support with treads and falls. A riser plate is provided forwardly of each fall, the lowest of which is the widest to provide for anchorage and allow for walk approaches. The risers have integral ends curved rearwardly and removably attached to the side members. Concrete is poured into the center section and, when set, the form is removed. (Owner) Ernest Earl Cato, 5914 Fort Worth Pike, Dallas 11, Tex. Groups 32—71; 39—98. Reg. No. 46,401.

Pat. 2,558,994. Tool for Applying Antiskid Chains. Patented July 3, 1951. Tool may be used in applying tire chains, or as a traction element to aid in moving a car out of a ditch or away from a curb in ice or snow. A pair of angularly shaped levers have side arms to grip the sides of a tire. The lower arms of each lever are pivotally attached and have rounded corners to contact the ground. A clip is provided on outer side of each upper arm to receive a link of the chains. A heavy flat spring extends over the pivot and forces the free ends of the arms against the sides of the tire. (Owner) Dale G. Trowbridge, 115 Atlantic St., Stamford, Conn. Groups 33—52; 38—31. Reg. No. 46,402.

Pat. 2,561,062. Pressure Casting Apparatus. Patented July 17, 1951. A divided mold is provided with a pouring gate communicating with a pouring opening and a riser communicating with a vent opening. The riser comprises a hollow refractory liner slidably surrounded by a metallic shell of less height than the liner. A sheet of paper or other combustible material is interposed between the mold and the lower end of the liner with a quantity of heat-retaining material placed inside the liner on the paper. Quickly releasable attaching members are provided for simultaneously securing the shell to the mold and clamping the parts of the mold together. A cap for closing the upper end of the liner is removably clamped to the shell by bolts (welded to the shell) and nuts. After completion of the pouring operation, the pouring gate is sealed and air under pressure admitted through the cap into the riser. Modifications are shown. (Owner) Walter R. Ling, Route 3, Box 861, Bessemer, Ala. Groups 33—21—22—23; 34—41—91. Reg. No. 46,403.

Pat. 2,563,514. Bale Elevator. Patented Aug. 7, 1951. Elevator for loading and unloading bales of hay and the like may be detachably secured to either side of a truck and swung to upright operative position, and downwardly to inoperative position. Elevator has a motor for driving an endless sprocket chain for raising and lowering a carriage slidably mounted on a pivoted upright tubular frame. A load carrier is hinged to the carriage for horizontal swinging movement about the carriage. A lifting pawl pivoted to the carriage may be manually pressed into engagement with the ascending flight of the chain to raise the carriage, and automatically disengaged from the chain by a pin on an adjustably mounted stop bar to limit upward movement of the carriage. As the pawl is disengaged, a lug on the stop bar is simultaneously engaged by a suspending hook pivoted to the carriage. The lug may be disengaged to permit the hook to engage the descending flight of the chain to lower the carriage. (Owner) Jacob V. Brosamer, 117 South Songomon St., Lincoln, Ill. Group 35—22—62. Reg. No. 46,404.

Pat. 2,505,526. Inflated Elastic Body Within Another Inflated Elastic Body. Patented Apr. 25, 1950. Reg. No. 46,405.

Pat. 2,549,428. Inflatable Jet-Propelled Elastic Toy. Patented Apr. 17, 1951. Reg. No. 46,406.

Toys of inflatable material are constructed to be jet-propelled. In Pat. 2,505,526 an outer body simulating an aircraft, etc., with a nose, and a rear constricted neck and orifice, may be pre-inflated. Within outer body is an inner inflatable bag, with a neck lying within outer neck and vulcanized thereto. When flight is desired, the inner bag is inflated, and toy released. Air is exhausted in a jet, and toy glides to a final stop. Pat. 2,549,428 shows a single inflatable body simulating aircraft, in which a valve fitting into the orifice acts automatically to shut off the exhaust. The valve is attached to free end of a rod within the body, which is fastened at other end to nose of craft. As body is inflated, it elongates, pulling the rod and valve out of the orifice. As air exhausts, propelling toy forward, length of the body decreases, and the valve is again pushed into the orifice. Toys may be collapsed for packing. (Owner) Louis Costea, 401 East Alder, Brea, Calif. Groups 30—51; 39—41; 40.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Pat. 2,522,239. Visual Alignment Signal Generator. Sept. 12, 1950. Group 36—13—19. Reg. No. 46,407.

Pat. 2,547,614. Saturable Reactor Arc Prevention Circuits. Apr. 3, 1951. Group 36—19. Reg. No. 46,408.

Pat. 2,547,615. Saturable Core Reactors. Apr. 3, 1951. Group 36—19. Reg. No. 46,409.

Pat. 2,563,568. Fluxmeter. Aug. 7, 1951. Group 36—13. Reg. No. 46,410.

Pat. 2,565,297. Compensating Arrangement for Transmission Lines. Aug. 21, 1951. Group 36—19. Reg. No. 46,411.

Pat. 2,565,325. Automatic Mandrel for Capacitor Winding Machines. Aug. 21, 1951. Groups 35—59; 36—19. Reg. No. 46,412.

The majority of the following 28 patents relate to internal combustion engines and controls therefor; electric discharge apparatus and circuits; transformers and fans. Groups 34—61; 35—19—69; 36—19; 37—11; 38—31. Reg. Nos. 46,413 through 46,440.

Pat. 1,996,710. Regulation Means for Internal Combustion Engines With Injection Without Air and Variable Speed. Apr. 2, 1935.

Pat. 2,018,472. Multicylinder Combustion Engine. Oct. 22, 1935.

Pat. 2,019,321. Combustion Engine. Oct. 29, 1935.

Pat. 2,025,471. Correction of Power Factor. Dec. 24, 1935.

Pat. 2,029,189. Double Acting Internal Combustion Engine. Jan. 28, 1936.

Pat. 2,042,551. Reversing Mechanism for Power Engines. June 2, 1936.

Pat. 2,044,605. Two-Cycle Combustion Engine. June 16, 1936.

Pat. 2,077,185. Internal Combustion Engine. Apr. 13, 1937.

Pat. 2,077,224. Combustion Engine. Apr. 13, 1937.

Pat. 2,077,225. Combustion Engine. Apr. 13, 1937.

Pat. 2,083,397. Internal-Combustion Engine. June 8, 1937.

Pat. 2,122,436. Lighting System Including Electrical Discharge Tubes. July 5, 1938.

Pat. 2,123,065. Air Inlet Arrangement for Two-Cycle Internal Combustion Engines. July 5, 1938.

Pat. 2,133,842. Internal Combustion Engine. Oct. 18, 1938.

Pat. 2,142,837. Discharge Lamp System. Jan. 3, 1939.

Pat. 2,170,446. Electric Discharge Apparatus. Aug. 22, 1939.

Pat. 2,170,456. Electric Discharge Apparatus. Aug. 22, 1939.

Pat. 2,205,902. Reversible Fan. June 25, 1940.

Pat. 2,256,242. Gaseous Electric Discharge Apparatus. Sept. 16, 1941.

Pat. 2,260,042. Ventilating System. Oct. 21, 1941.

Pat. 2,265,700. Transformer. Dec. 9, 1941.

Pat. 2,268,231. Lamp Regulating System. Dec. 30, 1941.

Pat. 2,278,256. Electric Discharge Lamp Circuit. Mar. 31, 1942.

Pat. 2,316,608. Centrifugal Fan. Apr. 13, 1943.

Pat. 2,332,916. Internal Combustion Engine Arrangement. Oct. 26, 1943.

Pat. 2,438,556. Circuit for Electric Discharge Devices. Mar. 30, 1948.

Pat. 2,438,564. Multiple Discharge Lamp Circuit. Mar. 30, 1948.

Pat. 2,476,787. Current Transformer. July 19, 1949.

United States Government Owned Patents

The following 12 patents (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757) are the property of the United States of America as represented by the Secretary of Agriculture by virtue of assignment by the inventors. Licenses to practice the inventions are issued on a royalty-free, non-exclusive, non-transferable, revocable basis. Applications for licenses should be addressed to the Bureau of Agricultural and Industrial Chemistry, U. S. Department of Agriculture, Washington 25, D. C.

Pat. 2,537,053. Rotary Blancher or Cooker. Patented Jan. 9, 1951. The device includes a rotor within a closely fitting housing. The rotor is provided with several pockets for receiving material to be blanched and later discharging the blanched material. Means is also provided for automatically introducing steam into the pockets between the time the material is fed into and discharged from the pockets. Groups 35—51; 36—21. Reg. No. 46,441.

Pat. 2,538,007. Stabilization of Brown Rice. Patented Jan. 16, 1951. Brown rice is extracted with a fat solvent such as hexane to remove part of its oil content. The resulting product is much more resistant to development of rancidity on storage than the original brown rice. Group 20—44. Reg. No. 46,442.

Pat. 2,539,428. Dithiolisobutyric Acid. Patented Jan. 30, 1951. The patent describes several methods for preparing 3,3'-dithiolisobutyric acid; for example, by reacting 3,3'-diiodoisobutyric acid with sodium hydrosulphide. The product is useful as an intermediate for organic syntheses and as a regulator for enzymic reactions. Group 28—31—89. Reg. No. 46,443.

Pat. 2,542,031. Fermentor for Submerged Cultures. Patented Feb. 20, 1951. This patent concerns a device useful for carrying out microbiological cultures under aerated and submerged conditions. The novel features include a rotating vaned disc as a foam breaker and means for drawing air into the system and thoroughly dispersing the air throughout the culture. Group 35—51. Reg. No. 46,444.

Pat. 2,542,052. Polyvalent Metal Pectinate Films and Process of Producing Same. Patented Feb. 20, 1951. A solution of a pectinate is extruded through a nozzle having a rectangular orifice into a bath of a polyvalent metal salt such as zinc chloride or calcium chloride to produce a water-insoluble pectinate film. The film is useful for packaging purposes. Groups 20—99; 35—51. Reg. No. 46,445.

Pat. 2,542,068. Sucrose Polyhydrate Glazing of Fruit. Patented Feb. 20, 1951. Fruit is coated with a suspension of sucrose polyhydrate crystals in sucrose syrup, then frozen. The resulting frozen coating consists mostly of sucrose polyhydrate which is hard and so protects the fruit during storage and handling. Group 20—37—71. Reg. No. 46,446.

Pat. 2,542,984. Method of Solubilizing Keratin. Patented Feb. 27, 1951. Chicken feathers or other natural keratinous material is heated with a mixture of water, alcohol, and acid to effect a solubilization of most of the keratin material. The resulting product can be used as a plastic for forming buttons, containers, fibers, and other articles. Groups 28—83; 39—81. Reg. No. 46,447.

Pat. 2,548,895. Extraction of Citrus Peel. Patented Apr. 17, 1951. Pectin is extracted from citrus peel by a continuous process which involves moving the sliced peel through a trough counter-current to a stream of dilute acid. Group 20—34—99. Reg. No. 46,448.

Pat. 2,549,763. Process of Isolating Betaine From Guayule Extract. Patented Apr. 24, 1951. The extract obtained in deresinating guayule rubber is treated to remove resin and waxes, then admixed with alcohol and phosphoric acid to precipitate betaine as its phosphate. Group 28—89. Reg. No. 46,449.

Pat. 2,550,705. Method for Obtaining Pectinic Acids of Low Methyl Ester Content in Concentrated Form. Patented May 1, 1951. Low-methoxyl pectins are prepared from dilute aqueous solutions of pectin by adding a polyvalent metal salt to the solution, separating the precipitated pectin-polyvalent metal complex, and subjecting it to partial de-methoxylation by the use of an acid or alkaline medium. Group 20—99. Reg. No. 46,450.

Pat. 2,555,364. Subtilin-Pectin Derivative. Patented June 5, 1951. The antibiotic, subtilin, is combined with pectin to produce a complex which exhibits the biological activity of subtilin and has greatly enhanced solubility in water and biological sera. Group 28—31. Reg. No. 46,451.

Pat. 2,557,155. Drying of Fruit or Vegetable Materials. Patented June 19, 1951. A fatty acid ester of a polyhydric alcohol, glyceryl monostearate, for example, is incorporated in a fruit or vegetable juice prior to spray drying in order to reduce the hygroscopicity of the dried product. Group 20—33. Reg. No. 46,452.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 5, 1952

[VOL. 655. NO. 1]

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 566,998. National Cylinder Gas Company, Chicago, Ill. Filed Oct. 14, 1948.

NCG

The drawing is lined to indicate yellow.

For Electrode Carrying Cases, Sold Empty, and Made of Leather and Metal, Fabric and Metal, or Leather, Fabric, and Metal; Welders' Carrying Cases, Sold Empty, and Made Principally of Metal; and Cylinders for Compressed Gases, Made of Metal, and Sold or Rented Empty.

Claims use since November 1946; and since 1935 as to the letters "NCG."

Ser. No. 600,726. J & L Steel Barrel Company, New York, N. Y. Filed July 15, 1950.

J&L WARE

The word "Ware" is disclaimed.

For Shipping Pails, Shipping Pails Provided With Marks Indicating Approximate Contents at Various Levels, Garbage Cans, and Waste Baskets Made of Sheet Metal.

Claims use since Mar. 1, 1950.

Ser. No. 606,098. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Nov. 8, 1950. (Sec. 2f.)

WESTINGHOUSE

Applicant claims ownership of Registrations Nos. 103,016, 103,017, and others.

For Trays Constructed of Fibrous Material With a Heat-Hardened Binder; and Fibrous Dust Collecting Bags for Vacuum Cleaners.

Claims use since June 1, 1941.

Ser. No. 616,976. Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Filed July 26, 1951.

Applicant claims ownership of Registration No. 209,845.

For Paper Bags.

Claims use since 1915.

Ser. No. 616,982. Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Filed July 26, 1951.

SCOUT

Applicant claims ownership of Registration No. 420,905.

For Paper Bags.

Claims use since 1925.

Ser. No. 616,985. Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Filed July 26, 1951.

MOLESKIN

Applicant claims ownership of Registration No. 209,712.

For Paper Bags.

Claims use since Jan. 25, 1924.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 603,338. Brantford Industries Limited, Brantford, Ontario, Canada. Filed Aug. 29, 1950.

ROLEAS

Applicant claims ownership of Canadian Registration No. 30715/119, dated Oct. 9, 1948.

For Floor Polishing Wax—Namely, Paste Floor Wax and Liquid Floor Wax.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 592,111. Laurel Soap Manufacturing Co., Inc., Philadelphia, Pa. Filed Jan. 4, 1950.

HYDROSOL

For Cresylic Acid, Red Oil Mixture Used Primarily for Scouring of All Classes of Textile Materials.
Claims use since 1921.

Ser. No. 600,834. International Minerals & Chemical Corporation, New York, N. Y., assignee of Innis, Speiden & Co. Filed July 18, 1950.

ISCO

For Tannic Acid, Insecticidal Aerosols, Bleaching Powder, Chloride of Lime, Chlorpicrin, Ethylene Dibromide, Ferric Chloride, Methyl Bromide, Hydrated Lime, Magnesium Carbonate, Naphthalene, Ortho-Dichlorobenzene, Para-Dichlorobenzene, Calcined Potassium Carbonate, Hydrated Potassium Carbonate, Potassium Carbonate Solution, Solid Potassium Hydroxide, Potassium Hydroxide Walnut, Potassium Hydroxide Flake, Potassium Hydroxide Solution, Solid Sodium Hydroxide, Sodium Hydroxide Flake, Sodium Hydroxide Solution, and Sodium Silicofluoride.
Claims use since Sept. 17, 1948, as to the mark shown: and since 1911 as to "Isco."

Ser. No. 600,835. International Minerals & Chemical Corporation, New York, N. Y., assignee of Innis, Speiden & Co. Filed July 18, 1950.



For Tannic Acid, Insecticidal Aerosols, Bleaching Powder, Chloride of Lime, Chlorpicrin, Ethylene Dibromide, Ferric Chloride, Methyl Bromide, Hydrated Lime, Magnesium Carbonate, Naphthalene, Ortho-Dichlorobenzene, Para-Dichlorobenzene, Calcined Potassium Carbonate, Hydrated Potassium Carbonate, Potassium Carbonate Solution, Solid Potassium Hydroxide, Potassium Hydroxide Walnut, Potassium Hydroxide Flake, Potassium Hydroxide Solution, Solid Sodium Hydroxide, Sodium Hydroxide Flake, Sodium Hydroxide Solution, and Sodium Silicofluoride.
Claims use since 1911 as to "Isco"; and since Mar. 10, 1949, as to the mark shown.

Ser. No. 604,245. Wyandotte Chemicals Corporation, Wyandotte, Mich. Filed Sept. 29, 1950.

PURECAL

For Precipitated Calcium Carbonate.
Claims use since May 1, 1950.

Ser. No. 611,983. Universal Oil Products Company, Chicago, Ill. Filed Mar. 29, 1951.

UOP

Applicant claims ownership of Registrations Nos. 543,284 and 534,802.
For Chemicals and Chemical Compositions Comprising Silica-Phosphoric Acid, Silica-Nickel, Silica-Alumina, Alumina-Chromia, and Alumina-Platinum-Halogen Used as Catalysts in the Conversion of Organic Compounds Including Hydrocarbons, Hydroxy Compounds, Carboxy Compounds, Alkoxy Compounds, Halogen Compounds, Nitrogen Compounds, Oxygen Compounds, and Sulfur Compounds.
Claims use since June 8, 1949.

Ser. No. 616,032. The A. B. Hill Company, Memphis, Tenn. Filed July 3, 1951.

XL

For Chemical Wetting Agent.
Claims use since June 28, 1951.

Ser. No. 617,002. Virginia-Carolina Chemical Corporation, Richmond, Va. Filed July 26, 1951.

VC CHEMICALS
BACATS

The word "Chemicals" is disclaimed. Applicant claims ownership of Registrations Nos. 348,486 and 348,487.
For Quaternary Ammonium Tablets, for Use in Sanitizing, Deodorizing, and Disinfecting Eating and Drinking Utensils, Food Industry Equipment, and the Like.
Claims use since Mar. 31, 1949.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 570,134. Thorens Company, New Hyde Park, N. Y. Filed Dec. 7, 1948. (Sec. 2f.)

THORENS

Applicant claims ownership of Registration No. 407,379.
For Pyrophoric Cigar Lighters.
Claims use since 1914.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 600,240. The Davis Plywood Corporation, Cleveland, Ohio. Filed May 11, 1950. (Sec. 2f.)

BEST DOR

For Laminated and Veneered Plywood, Used in Displays, Show Window Backgrounds, Store Fixtures, Wall Paneling, Cupboard Doors, Furniture, and Similar Items.
Claims use since June 1, 1937.

Ser. No. 609,070. Burney & Felder, San Antonio, Tex. Filed Jan. 22, 1951.

HOLIDAY

For Masonry Material Formed by Processing Natural Stone Aggregates, or Other Aggregates, and Forming Same Into Various Shapes and Sizes, Mortar Imbedding Mix.
Claims use since Apr. 1, 1950.

Ser. No. 609,071. Burney & Felder, San Antonio, Tex. Filed Jan. 22, 1951.

HOLIDAY HILL

For Masonry Material Formed by Processing Natural Stone Aggregates, or Other Aggregates, and Forming Same Into Various Shapes and Sizes, Mortar Imbedding Mix.
Claims use since Apr. 1, 1950.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 575,209. Gordon Sanitary Systems Corporation, Chicago, Ill. Filed Mar. 10, 1949.



For Sewage Disposal Systems and Parts Thereof—Namely, Separators for Grease, Greasy Sludge, By-Products, and Waste Matter; Floor, Gutter, and Tank Drains; Combination Drains and Separators; and Parts Thereof.
Claims use since 1938.

Ser. No. 575,210. Gordon Sanitary Systems Corporation, Chicago, Ill. Filed Mar. 10, 1949. (Sec. 2f.)

GORDON

For Sewage Disposal Systems and Parts Thereof—Namely, Separators for Grease, Greasy Sludge, By-Products, and Waste Matter; Floor, Gutter, and Tank Drains; Combination Drains and Separators; and Parts Thereof.
Claims use since 1938.

Ser. No. 610,086. Mechanical Marine Co., Inc., New York, N. Y. Filed Feb. 14, 1951.

MEMARCO

For Angle Suction Valves, Suction Bell Mouths, and Suction Strainers.
Claims use since Jan. 2, 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 611,344. Delkote, Inc., Wilmington, Del. Filed Mar. 15, 1951.



For Quick-Drying Coatings for the Outer Bindings of Books.
Claims use since Jan. 8, 1950.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 587,887. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 16, 1949.

MORUMIDE

For Ointment. It Is Recommended in the Treatment of Burns, Ulcers, Pyogenic Skin Infections, Clean and Infected Wounds, Minor Skin Abrasions and Similar Conditions.
Claims use since Jan. 1, 1945.

CLASS 19

VEHICLES

Ser. No. 616,213. The Universal Wire Spring Company, Bedford, Ohio. Filed July 7, 1951.

UWS

For Wire Springs for Upholstered Automobile Seats.
Claims use since Jan. 14, 1949.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 563,801. Video Products Corporation, Red Bank, N. J. Filed Aug. 20, 1948.

VIDEOLA

For Television Receivers, Combination Radio and Television Sets, and Television Receiving Systems Including a Main Receiver and One or More Repeater Receivers.
Claims use since July 22, 1948.

Ser. No. 582,426. Hawley Products Company, St. Charles, Ill. Filed July 23, 1949.

HAWLITE

For Electrical Apparatus—Namely, Loud Speaker Chassis and Phonograph Chassis.
Claims use since May 1949.

Ser. No. 602,284. Ohmite Manufacturing Company, Chicago, Ill. Filed Aug. 16, 1950.

"LITTLE DEVIL"

For Electrical Circuit Control Elements—Namely, Resistors.
Claims use since December 1945.

Ser. No. 609,520. Vitramon Incorporated, Easton and Stepney, Conn. Filed Feb. 1, 1951.

V

For Capacitors.
Claims use since December 1948.

Ser. No. 611,391. Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Filed Mar. 16, 1951.

FOUNDROMATIC

For Dielectric Heating Units Comprising an Industrial Oven and an Electric Current Converter for Supplying High Frequency Current to the Oven, Parts Thereof.
Claims use since Oct. 26, 1950.

Ser. No. 611,689. Cornell-Dubilier Electric Corp., South Plainfield, N. J. Filed Mar. 23, 1951.

FIXFIL

For Electrical Condensers.
Claims use since Feb. 2, 1951.

Ser. No. 612,108. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed Apr. 2, 1951.

AMERGLASS

For Electrical Wires and Cables.
Claims use since July 12, 1938.

Ser. No. 612,181. Samica-Société des Applications du Mica, Paris, France. Filed Apr. 3, 1951.

SAMICA

Applicant claims ownership of French Registration No. 402,328, dated Dec. 26, 1946.
For Electrical Insulating Material—Namely, Mica, Micaceous Paper, and Micaceous Cardboard.

Ser. No. 612,409. Moloney Electric Company, St. Louis, Mo. Filed Apr. 9, 1951.

" INHIBITOL "

For Oil for Use in Electrical Apparatus—Namely, Transformer Oil.
Claims use since Jan. 16, 1951.

Ser. No. 612,565. Silent Maid Co., Hollywood, Calif. Filed Apr. 12, 1951.

SILENT MAID

The word "Silent" is disclaimed.
For Electric Garbage Disposal Units.
Claims use since Feb. 26, 1951.

Ser. No. 612,577. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed Apr. 13, 1951.

AMERSTEEL

For Electrical Transmission Lines.
Claims use since July 17, 1942.

Ser. No. 612,723. Aluminum Goods Manufacturing Company, Manitowoc, Wis. Filed Apr. 17, 1951.

MIRRO-MATIC

Applicant claims ownership of Registration No. 422,215.
For Electric Percolators.
Claims use since Nov. 15, 1949.

Ser. No. 613,070. George J. Harris, doing business as Harco Laboratories, Stamford, Conn. Filed Apr. 24, 1951.

TERMI-CAP

The word "Cap" is disclaimed.
For Covers or Caps of Rubber or Other Insulating Material for Terminals of Electric Appliances.
Claims use since Apr. 15, 1950.

Ser. No. 613,114. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed Apr. 25, 1951.

STERISHU

For Ultra-Violet Ray Germicidal Lamp.
Claims use since July 1, 1950.

Ser. No. 613,125. Finney Corporation, Cleveland, Ohio, assignor to The Finney Company, Cleveland, Ohio, a partnership. Filed Apr. 25, 1951.

FINCO

For Television, Broadcasting and Receiving Antennas and Parts Therefor.
Claims use since Aug. 14, 1950.

Ser. No. 614,141. Globe-Union Inc., Milwaukee, Wis. Filed May 21, 1951.

COUPLATE

For Electronic Inter-Stage Audio Coupling Units for Television and Radio Receivers Comprised of Electrically Connected Capacitors and Resistors Bonded to a High Dielectric Ceramic Base Plate.
Claims use since November 1946.

Ser. No. 615,199. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed June 14, 1951.

THERMALASTIC

For Electrical Insulation—Namely, Electrical Insulation Basically Comprising Mica and Resin Which Is Applied to Electrical Conductors.
Claims use since June 1950.

Ser. No. 617,423. V-M Corporation, Benton Harbor, Mich. Filed Aug. 7, 1951.

Siesta Switch

The word "Switch" is disclaimed.
For Electric Phonographs With Automatic Record Changers and Control Means Whereby Operation Is Automatically Stopped Upon Playing of the Last Record.
Claims use since July 2, 1951.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 597,031. Western Corral Industries, Chicago, Ill. Filed May 6, 1950.



The representation of the cowboy figure is fanciful.
For Toy Holsters and Toy Holster Sets.
Claims use since July 1949.

Ser. No. 597,238. The Sun Rubber Company, Barberton, Ohio. Filed May 10, 1950.

VITA-WELD

The word "Weld" is disclaimed.
For Athletic Balls, or Carcasses Therefor—Namely, Basketballs, Footballs, Soccer Balls, Volley Balls, and Water Polo Balls.
Claims use since Apr. 26, 1950.

Ser. No. 602,913. Willard R. Richards, Warren, Ohio. Filed Aug. 29, 1950.

Bandy Ball

For Shuttlecocks.
Claims use since May 1, 1949.

Ser. No. 604,019. The Murray Ohio Manufacturing Company, Cleveland, Ohio. Filed Sept. 26, 1950.

MURRAY GO ROUND

The word "Murray" is disclaimed. The lining of the two dots separating the words is used to indicate shading.
For Baby Walkers.
Claims use since Jan. 10, 1950.

Ser. No. 611,155. Standard Toykraft Products, Inc., Brooklyn, N. Y. Filed Mar. 10, 1951.

"ALICE IN WONDERLAND"

For Toy Crayon, Embroidery, and Paint Sets.
Claims use since March 1937.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 538,864. Blackhawk Mfg. Co., Milwaukee, Wis. Filed Oct. 24, 1947.



The words "Dependability," "Performance," "Service Proved," and "Quality" are disclaimed.
For Hydraulic Equipment—Namely, Hydraulic Jacks; Hydraulic Rams; Hydraulic Pumps; Swivel Joints; Portable Service Jacks; Hydraulic Lifts; Metal Straightening, Bending, Clamping, and Spreading Mechanisms and Tools; Pipe, Tube, and Rod Benders; Spreading Wedges; Wheel Pullers; Machine Element Pullers and Pushers for Removing and Inserting Parts; and Driving Mechanisms for Portable Hydraulically Actuated Tools.
Claims use since Sept. 1, 1939.

Ser. No. 551,776. The Cussins and Fearn Company, Columbus, Ohio. Filed Mar. 12, 1948.

RELIANCE

For Carpenters' and Mechanics' Tools — Namely, Wrenches, Pliers, Pincers, Hammers, Hatchets, Wrecking Bars and Irons, Bolt Cutters, Axes, Sledge Hammers, Wedges, C-Clamps, Vises, Braces, Bits, Drills and Stands Therefor, Scrapers, Putty Knives, Glass Cutters, Band Saws, Screw Drivers, Chisels, Spoke Shavers, Augers, Drift Punches, Mitre Boxes, Files, Rasps, Ratchet Drivers, Scribers, Planes, Trowels, Edgers, and Wire and Tin Snips; Pocket Knives, Jack Knives, Hunting Knives, Fishing Knives, Lawnmowers; Garden and Farm Tools—Namely, Spades, Hoes, Forks, Rakes, Hand-Operated Cultivators, Mattocks, Shovels, Potato Hooks, Trowels, Weed Diggers, Grass Shears, Grass Hooks, Grass Scythes,

Broom-Type Lawn Rakes, Lawn Edgers, Post Hole Diggers, and Scoops; Electric Motor-Driven Bench Tools—Namely, Grinders, Abrasive and Polishing Wheel Machines, Jig Saws, Band Saws, Circular Saws, Wood and Metal-Working Lathes, and Drill Presses; Paint and Floor Scrapers, Spray Guns and Air Compressors for Spray Guns, Graining Tools, Enameled and Aluminum Ladles, Electric Motor Driven Water Pumps, Sump Pumps, Jet Pumps, and Hydraulic Rams.
Claims use since May 1931.

Ser. No. 583,197. Gray Company, Inc., Minneapolis, Minn. Filed Aug. 9, 1949.

Paintmaster

For Portable Air-Powered Pumps for Handling Paint or the Like and Parts and Accessories Therefor—Namely, Housings, Bases, Pump-Gears, Filters, Hoses, Couplings, Shut-Off Valves and Regulator-Valves and Gages, Sold as a Unit, and Portable Air-Powered Pumps.
Claims use since Nov. 11, 1948.

Ser. No. 591,706. Western Stamp & Stencil Co., Omaha, Nebr. Filed Jan. 30, 1950.

WESSCO

For Rubber Stamps.
Claims use since Mar. 1, 1943.

Ser. No. 592,588. West Point Lawn Products, West Point, Pa. Filed Feb. 16, 1950.

FLEXI-PRESS

For Turf-Retaining Member for the Soil Penetrating Elements of a Cultivating Apparatus for Holding the Turf in Place During Operation of the Penetrating Elements.
Claims use since Dec. 9, 1949.

Ser. No. 598,861. Mid-Continent Supply Co., Fort Worth, Tex. Filed June 9, 1950.



The representation of the goods is disclaimed.
For Oil and Gas Well Equipment—Namely, Drilling Rigs, Vacuum-Actuated Mud Mixers for Mixing Mud for Rotary Drilling, Rotary Pumps, Rotary Drilling Auxiliary Units Each Comprised of Pump, Engine, and Complete V-Belt Drive Mounted on a Steel Base, Steel Protective Safety Guards for Moving Machine Parts, and Air-Gas Starting Units for Internal Combustion Engines.
Claims use since Dec. 10, 1947.

Ser. No. 608,758. W. W. Grainger, Inc., Chicago, Ill. Filed Jan. 13, 1951.

SPEEDAIRE

For Compressors for Lubrication, Tire Inflation, Paint Spraying, and Dusting Jobs.
Claims use since June 1, 1949.

Ser. No. 610,994. Cale J. Schnelder, doing business as C. J. Schnelder Manufacturing Company, Toledo, Ohio. Filed Mar. 7, 1951. (Sec. 2f.)

KOB-KNOBS

The word "Kob" is disclaimed.
For Sweet Corn Holders.
Claims use since July 1, 1935.

Ser. No. 611,633. L. Batlin & Son, Inc., New York, N. Y. Filed Mar. 22, 1951.

Thames

For Pinking Shears, Scissors, Cutlery Knives, Hair Clippers, Carving Knives and Forks, Razor Blades, and Razors.
Claims use since Dec. 3, 1950.

Ser. No. 613,343. Palmer Wellcet Tool Corporation, Meadville, Pa. Filed Apr. 30, 1951. (Sec. 2f.)

WELLCET

For Tools—Namely, Pliers, Hammers, and Drawer Shavers.
Claims use since June 1, 1945.

Ser. No. 616,197. Aircraft-Marine Products Inc., Harrisburg, Pa. Filed July 7, 1951. (Sec. 2f.)

AMP

Applicant claims ownership of Registrations Nos. 515,577 and 405,714.
For Hand Tools of the Pliers Type and of the Compound Leverage Type, and Pneumatically and Hydraulically Operated Portable Tools and Power Operated Machine Tools for Pressure Application of Electrical Connectors and the Like, for Cutting Wire, for Stripping Insulation From Wire, for Shearing Threaded Bolts, Studs, and the Like, and for Embossing Wire, and Dies for the Said Various Purposes for Use in Hand and Power Operated Tools and Machines.
Claims use since 1941.

Ser. No. 619,125. The Wayne Pump Company, Fort Wayne, Ind. Filed July 10, 1951. (Sec. 2f.)

Retriever

For Mechanical Hose Reels, Comprising Stand, Casing, and Re-Wind Mechanism.
Claims use since May 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 573,526. Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Filed Feb. 9, 1949. (Sec. 2f.)

BOWES SEAL FAST

The drawing is lined for red. Applicant claims ownership of United States Registrations Nos. 329,168, 236,271, 366,508, and 150,667; Canadian Registration No. 198, Folio 43,538; Norway Registration No. 27,389; Holland Registration No. 55,399; Denmark Registration No. 605 (1939); and British Registration No. 566,231.
For Spark Plug Cleaner and Tester of That Construction Embodying an Air-Sand Blast Cleaning Chamber, and a Pressurized Chamber Into Which the Spark Plugs May Be Screwed To Have the Electrode End Visible Through a Window, and Embodying a Transformer Coil Stepping Up the Voltage From an Outside Source of Current Such as a Storage Battery Through a Vibrated Circuit Breaker In Order To Cause a Spark To Jump the Gap Between the Two Electrodes.
Claims use since Aug. 1, 1939.

Ser. No. 615,971. Colorversion Co., Chicago, Ill. Filed July 2, 1951.

GLOW

For Eyeglasses for Night Driving of Automobiles, for Shading the Eyes From Glare of the Sun, and for Viewing Television Programs.
Claims use since May 15, 1951.

Ser. No. 615,976. Encore Inc., Los Angeles and Hollywood, Calif. Filed July 2, 1951.

Encore

For Cameras.
Claims use since Feb. 24, 1950.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 605,543. Bailey Meter Company, Cleveland, Ohio. Filed Oct. 28, 1950.

FILPAK

For Cellular Filtering Material Used To Remove Foreign Matter From Fluids in Control Systems and Devices.
Claims use since Sept. 29, 1950.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 571,748. Sealy, Incorporated, Chicago, Ill. Filed Jan. 6, 1949.

MIRACLE MESH

The word "Mesh" is disclaimed.
For Insulator Pads and Protector Pads Made Up of Flexible Wire and Fibre Net and Used in the Construction of Mattresses and Box Springs.
Claims use since Feb. 1, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 574,210. The Cincinnati Milling Machine Co., Cincinnati, Ohio. Filed Feb. 21, 1949.

Flamatic

For Machine for the Heat-Treating of Metal Parts.
Claims use since Dec. 1, 1946.

Ser. No. 589,532. Autogas Company, Chicago, Ill. Filed Dec. 19, 1949.

DUO-WAY

For Gas Operated Incinerators for Domestic Use.
Claims use since January 1947.

Ser. No. 592,801. The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Filed Feb. 21, 1950. (Sec. 2f.)

THE MASSACHUSETTS LINE

The words "The" and "Line" are disclaimed. Applicant claims ownership of Registration No. 268,937.
For Heating, Ventilating, and Air Conditioning Fans and Blowers, and Air Washers.
Claims use since Jan. 1, 1907.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 606,619. Manufacture de Caoutchouc Michelin, Clermont-Ferrand (Puy-de-Dôme), France. Filed Nov. 18, 1950.

X

Applicant claims ownership of French Registration No. 3154, dated July 31, 1950.
For Pneumatic Tires and Inner Tubes for Vehicles.

Ser. No. 617,050. C. A. Norgren Co., Denver, Colo. Filed July 27, 1951. (Sec. 2f.)

Norgren

For Fluid and Gas Conducting Hose.
Claims use since Mar. 1, 1926.

CLASS 37

PAPER AND STATIONERY

Ser. No. 574,836. International Paper Company, New York, N. Y. Filed Mar. 3, 1949.

INTERNATIONAL PAPER COMPANY · SOUTHERN KRAFT DIVISION ·

The words "Paper" and "Kraft" are disclaimed. Applicant claims ownership of Registrations Nos. 50,974, 257,198, 302,034, 388,013, 390,803, 397,661, and 428,885.
For Unbleached and Bleached Kraft Papers and Paperboards.
Claims use since August 1948.

Ser. No. 576,444. Canadian International Paper Company, Montreal, Quebec, Canada. Filed Apr. 1, 1949.

CANADIAN INTERNATIONAL PAPER CO

The words "Canadian," "Paper," "Number" and "Weight" are disclaimed. Applicant claims ownership of Canadian Registration No. 237, folio 51,258, dated Jan. 9, 1931, and United States Registration No. 220,551.
For Paper Products—Namely, Newsprint, Kraft Paper, and Book Paper.

Ser. No. 601,724. Charles R. Hadley Company, Los Angeles, Calif. Filed Aug. 4, 1950. (Sec. 2f.)

MULTIRECORD

For Partially Printed Forms.
Claims use since Dec. 31, 1942.

Ser. No. 603,880. Federal Loose Leaf Corp., New York, N. Y. Filed Sept. 22, 1950.

The drawing is lined for shading.
For Loose Leaf Binders.
Claims use since Aug. 1, 1949.

Ser. No. 603,941. The Progress Lithographing Co., Reading, Ohio. Filed Sept. 23, 1950.

Styled By NOVELART

The words "Styled By" are disclaimed.
For Writing Paper and Correspondence Envelopes.
Claims use since 1932.

CLASS 38

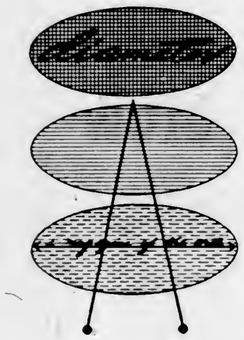
PRINTS AND PUBLICATIONS

Ser. No. 608,389. Izaak Walton League of America, Inc., Chicago, Ill. Filed Jan. 4, 1951.

OUTDOOR AMERICA

The word "America" is disclaimed.
For Magazine Publication.
Claims use since June 15, 1948.

Ser. No. 612,793. Diameter, Inc., Brooklyn, N. Y. Filed Apr. 18, 1951.



The drawing is lined for black, blue, and gray, but no claim is made to color as a part of the mark. The words "A Magazine of the Arts" are disclaimed.
For Periodical.
Claims use since Jan. 15, 1951.

CLASS 39

CLOTHING

Ser. No. 598,224. Sutton Shirt Corp., New York, N. Y. Filed May 26, 1950. (Sec. 2f.)

Sutton OF CALIFORNIA

The words "Of California" are disclaimed. Applicant claims ownership of Registrations Nos. 508,947, 508,980, and 510,045.
For Men's Dress and Sport Shirts Made of Cotton, Rayon, Nylon, Silk, or Wool.
Claims use since April 1947, as shown; and since August 1936 as to "Sutton."

Ser. No. 610,667. Barron, Anderson Company, Boston, Mass. Filed Mar. 1, 1951.

BRUCE SHELTON

The name "Bruce Shelton" is fanciful.
For Men's Topcoats and Overcoats.
Claims use since Oct. 16, 1950.

Ser. No. 611,188. Murray Hill Restaurant, Inc., New York, N. Y. Filed Mar. 12, 1951.

Jack & Charlie's "21"

For Men's and Boys' Neckties, Women's and Girls' Scarves, Men's and Boys' Belts, Men's and Boys' Socks, Men's and Boys' Suspenders.
Claims use since Jan. 2, 1935.

Ser. No. 613,785. J. Schoeneman, Inc., Baltimore, Md. Filed May 11, 1951.

Dynella

For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.
Claims use since May 1, 1951.

Ser. No. 613,818. Langendorf Clothes, Inc., Chicago, Ill. Filed May 12, 1951.

NORTH CREST

For Military and Industrial Uniforms for Men and Women, and for Men's Suits and Coats.
Claims use since July 7, 1949.

Ser. No. 613,952. The Belk Brothers Company, Charlotte, N. C. Filed Apr. 9, 1951.

FAVORTEX

For Men's Suits, Top Coats, Leather and Cotton Jackets, Coats, Sweaters, Lounging and Bath Robes, and Trousers.
Claims use since Apr. 12, 1947.

Ser. No. 614,201. Francis-Louise Full Fashion Mills, Inc., Valdese, N. C. Filed May 22, 1951.

Francis-Louise

For Women's Hosiery.
Claims use since May 18, 1949.

Ser. No. 614,315. Rego Hosiery Co., New York, N. Y. Filed May 24, 1951.

Four Roses

For Women's Hosiery.
Claims use since Feb. 6, 1951.

Ser. No. 614,565. Munsingwear, Inc., Minneapolis, Minn. Filed May 31, 1951.

Twinplex

Applicant claims ownership of Registration No. 119,240.
For Men's Knitted Underwear.
Claims use since Nov. 15, 1950.

Ser. No. 615,459. Livingston & Livingston, New York, N. Y. Filed June 20, 1951.

RIDE & RANCH

For Ladies' and Misses' Shirt Blouses.
Claims use since Apr. 28, 1951.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 614,512. Henry Pollak, Inc., New York, N. Y. Filed May 29, 1951.

NEPTUNE

For Hat Braids.
Claims use since Apr. 19, 1951.

Ser. No. 614,659. H. Goodman & Sons, Inc., Jersey City, N. J., and New York, N. Y. Filed June 2, 1951.

Neonite

For Barrettes and Hair Combs.
Claims use since May 24, 1951.

Ser. No. 614,989. Joyal and Van Dale Co., Pawtucket, R. I. Filed June 9, 1951.

JOY-BRITE

For Rayon Shoelaces.
Claims use since Apr. 20, 1951.

Ser. No. 615,449. The Formfit Company, Chicago, Ill. Filed June 20, 1951. (Sec. 2f.)

Formfit

Applicant claims ownership of Registrations Nos. 327,595, 409,442, and 542,658.
For Bust Pads, Shoulder Pads, Shoulder Straps, and Corset Accessories—Namely, Corset Stays, Corset Adjustors, Hook and Eye Tape, Detachable Garters, and Corset Laces.
Claims use since January 1917.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 562,665. Portland Woolen Mills, Inc., doing business as "Wool O' The West," Portland, Oreg. Filed Aug. 2, 1948.

Siesta

For Laprobes Made of Blanket Material.
Claims use since Mar. 27, 1930.

Ser. No. 598,492. National Automotive Fibres, Inc., Oakland, Calif. Filed June 2, 1950.

BURTWIST

For Textile Carpeting.
Claims use since Jan. 23, 1950.

Ser. No. 609,488. The Millville Manufacturing Company, Philadelphia, Pa. Filed Feb. 1, 1951.

BROADGLO

For Finished Cotton Fabrics in the Piece.
Claims use since Jan. 10, 1951.

Ser. No. 611,988. Willow Fabrics, Incorporated, New York, N. Y. Filed Mar. 29, 1951.

ALLUR-SHEEN

The word "Sheen" is disclaimed.
For Rayon Fabrics in the Piece.
Claims use since Nov. 29, 1950, as to the mark shown; and since Aug. 9, 1950, as to the mark in the form "Allursheen."

Ser. No. 612,809. Linen Guild, Inc., trading as Mead & Montague, New York, N. Y. Filed Apr. 18, 1951.

DURA-FAILLE

The word "Faille" is disclaimed.
For Drapery and Upholstery Fabrics Made of Cotton.
Claims use since Dec. 18, 1950.

Ser. No. 613,063. Glen Raven Cotton Mills, Inc., Glen Raven, N. C. Filed Apr. 24, 1951.

Glen Raven

Applicant claims ownership of Registration No. 279,711.
For Awning Fabrics.
Claims use since Sept. 10, 1948.

Ser. No. 613,442. Forstmann Woolen Co., Passaic, N. J. Filed May 3, 1951.

CAMIRAK

Applicant claims ownership of Registration No. 299,278.
For Woolen Piece Goods.
Claims use since Apr. 19, 1951.

Ser. No. 613,443. Forstmann Woolen Co., Passaic, N. J. Filed May 3, 1951.

DULCINETTE

Applicant claims ownership of Registration No. 537,162.
For Woolen Piece Goods.
Claims use since Apr. 19, 1951.

Ser. No. 613,444. Forstmann Woolen Co., Passaic, N. J. Filed May 3, 1951.

FORTESSA

Applicant claims ownership of Registration No. 229,144.
For Woolen Piece Goods.
Claims use since Apr. 19, 1951.

Ser. No. 613,445. Forstmann Woolen Co., Passaic, N. J. Filed May 3, 1951.

MIRRAK

Applicant claims ownership of Registrations Nos. 299,278 and 215,668.
For Woolen Piece Goods.
Claims use since Apr. 25, 1951.

Ser. No. 613,446. Forstmann Woolen Co., Passaic, N. J. Filed May 3, 1951.

NORDELLA

Applicant claims ownership of Registration No. 240,063.
For Woolen Piece Goods.
Claims use since Apr. 19, 1951.

Ser. No. 613,447. Forstmann Woolen Co., Passaic, N. J. Filed May 3, 1951.

SILVANETTE

Applicant claims ownership of Registration No. 178,058.
For Woolen Piece Goods.
Claims use since Apr. 19, 1951.

Ser. No. 613,968. Bigelow-Sanford Carpet Company, Inc., doing business under the name and style Universal Rugs and Carpets, Thompsonville, Conn., assignor to Bigelow-Sanford Carpet Company, Inc. (1951), New York, N. Y., a corporation of Delaware. Filed May 17, 1951.

Manorcrest

The words "Color Keyed to Modern Living," "Rugs" and "Carpets" are disclaimed.
For Textile Rugs.
Claims use since Jan. 25, 1951.

Ser. No. 613,969. Bigelow-Sanford Carpet Company, Inc., doing business under the name and style Universal Rugs and Carpets, Thompsonville, Conn., assignor to Bigelow-Sanford Carpet Company, Inc. (1951), New York, N. Y., a corporation of Delaware. Filed May 17, 1951.

Manorcrest

For Textile Rugs.
Claims use since Jan. 25, 1951.

Ser. No. 614,047. D. B. Fuller & Co., Inc., New York, N. Y. Filed May 18, 1951.

CASUALAIRE

For Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres, and Mixtures Thereof.
Claims use since Apr. 3, 1950.

Ser. No. 614,327. I. Zendman, Inc., New York, N. Y. Filed May 24, 1951.

ACRILACE

For Lace Fabrics in the Piece.
Claims use since Mar. 1, 1951.

Ser. No. 614,533. Bartmann & Bixer, Inc., New York, N. Y. Filed May 31, 1951.

KENBARK

For Window Curtains.
Claims use since Mar. 15, 1951.

Ser. No. 614,534. Bartmann & Bixer, Inc., New York, N. Y. Filed May 31, 1951.

MODESTY

For Window Curtains.
Claims use since May 14, 1951.

Ser. No. 618,480. Burlington Mills Corporation, Greensboro, N. C. Filed Sept. 7, 1951.

CURVESHAPER

For Textile Fabrics in the Piece Made of Synthetic Fibers.
Claims use since Aug. 29, 1951.

CLASS 43

THREAD AND YARN

Ser. No. 613,495. Emile Bernat & Sons Company, Jamaica Plain, Mass. Filed May 4, 1951.

Super Nylo Worsted

The words "Super" and "Worsted" are disclaimed.
For Knitting Yarn Made of a Combination of Synthetic and Animal Fibers.
Claims use since Jan. 1, 1951.

Ser. No. 616,071. American Cyanamid Company, New York, N. Y. Filed July 5, 1951.

CRESLAN

For Thread and Yarn Containing Synthetic Fiber.
Claims use since June 21, 1951.

Ser. No. 616,074. American Cyanamid Company, New York, N. Y. Filed July 5, 1951.

CYANA

For Thread and Yarn Containing Synthetic Fiber.
Claims use since June 21, 1951.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 614,035. Barnstead Still and Sterilizer Co., Boston, Mass. Filed May 18, 1951. (Sec. 2f.)

Barnstead

Applicant claims ownership of Registrations Nos. 153,658, 158,604, and others.
For Laboratory Sterilizers and Autoclaves for Sterilizing Surgical and Dental Instruments, Glassware, Utensils, Specimens, Solutions, and Ampoules.
Claims use since 1881.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 566,899. Union Bottling Company, Memphis, Tenn. Filed Oct. 12, 1948.



The portraits shown are fanciful. Applicant claims ownership of Registration No. 419,785.

For Non-Alcoholic Maltless Carbonated Beverages Sold as Soft Drinks.

Claims use since June 1, 1948, as to the mark shown; and since Jan. 15, 1914, as to the word "Graport."

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 549,554. King Milling Company, Lowell, Mich. Filed Feb. 12, 1948. CONCURRENT USE with Registration No. 257,336 for the area of Michigan, Virginia, and North Carolina.

PURE GOLD

For Plain and Self-Rising Wheat Flour.
Claims use since Oct. 16, 1891.

Ser. No. 550,799. Firmenich & Co., Geneva, Switzerland. Filed Feb. 28, 1948.

TETRAROME

Applicant claims ownership of Swiss Registration No. 98,233, dated July 11, 1940.

For Flavoring Extracts in Liquid Form for Flavoring Foodstuffs.

Ser. No. 553,593. Flour Mills of America, Inc., doing business as Valier & Spies Milling Company, Kansas City and St. Louis, Mo. Filed Apr. 1, 1948.



The figure shown on the drawing is fanciful. The words "I Wish I Was in Dixie, Hoo-Ray Hoo-Ray" are disclaimed.

For Wheat Flour.
Claims use since January 1947.

Ser. No. 553,771. The Colorado Milling & Elevator Co., Denver, Colo., and elsewhere, doing business as The Wilson Flour Mills, Wilson, Kans. Filed Apr. 3, 1948. (Sec. 2f.)



The drawing is lined for the colors red, brown and blue, however color is not claimed as a feature of the mark.

For Wheat Flour.
Claims use since 1931.

Ser. No. 563,215. Harold W. Powers, doing business as Carew & Powers Co., Boston, Mass. Filed Aug. 11, 1948.

Rose Blossoms

For Candies.
Claims use since 1945.

Ser. No. 566,586. Herrero Hermanos S. A., La Coruna, Spain. Filed Oct. 7, 1948.



The expression 'La Peña "Furada"' means in Spanish "The Hollow Rock." Applicant claims ownership of Spanish Registration No. 82,359, dated Dec. 4, 1930.

For Canned, Pickled, and Salted Fish.

Ser. No. 571,126. Etiwanda Citrus Fruit Association, Etiwanda, Calif. Filed Dec. 27, 1948.

GOLDEN PRIZE

For Fresh Citrus Fruits.
Claims use since 1925.

Ser. No. 571,515. Consolidated Orange Growers, Orange, Calif. Filed Jan. 3, 1949.

XLO

For Fresh Citrus Fruits.
Claims use since 1916.

Ser. No. 575,098. Stein, Hall & Company, Inc., New York, N. Y. Filed Mar. 8, 1949.

CALUMET

For Corn Starch for Food Purposes and Grated and Shredded Coconut Both Sold in Bulk.
Claims use since 1914.

Ser. No. 578,169. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif., also doing business as Fairfax Bread Company, Washington, D. C., and various other places. Filed May 3, 1949.

Dinner Quik

The word "Dinner" is disclaimed.
For Bakery Goods—Namely, Pan Rolls.
Claims use since Mar. 7, 1949.

Ser. No. 593,707. Best Food Products Company, Milwaukee, Wis. Filed Mar. 10, 1950.

Grandma Best's

The word "Best's" is disclaimed.
For Potato Salad Dressing Composed of Flour, Sugar, Salt, and Pepper.
Claims use since Feb. 10, 1950.

Ser. No. 596,638. Zeb Pearce & Sons, Mesa, Ariz. Filed Mar. 14, 1950.



The words "Vita-Gro" are disclaimed. The drawing is lined for the colors green, red and orange.

For Poultry and Stock Feeds.
Claims use since Nov. 25, 1949.

Ser. No. 597,672. E. F. Drew & Co., Inc., New York, N. Y. Filed May 18, 1950.

COUNTRY PRIDE

For Margarine.
Claims use since May 5, 1950.

Ser. No. 598,923. Nedick's, Inc., New York, N. Y. Filed June 10, 1950.

Nedicks

The drawing is lined for the color green, but the color is disclaimed. Applicant claims ownership of Registrations Nos. 108,387, 107,900, and 418,088.

For Doughnuts.
Claims use since May 1950.

Ser. No. 605,171. Moland & Son Manufacturing Co., Okeene, Okla. Filed Oct. 19, 1950.

Fish-n-Poles

The word "Fish" is disclaimed.

For Cooked and Seasoned Fish Product, Comprising Ground or Flaked Fish Mixed With a Food Binder, Including Seasoning, and Formed Into a Substantial Cylinder, Then Cooked in Deep Fat.
Claims use since Oct. 9, 1950.

Ser. No. 607,974. Milton Anderson Co., Atlantic City, N. J. Filed Dec. 22, 1950.

BOARDWALK

For Canned Fruits, Canned Vegetables, Canned Fish; Canned Fruit Juices—Namely, Prune Juice, Pineapple Juice, Orange Juice, Grapefruit Juice, and Blended Orange and Grapefruit Juice; Coffee, Tea, Cinnamon, and Black Pepper.
Claims use since Jan. 13, 1950.

Ser. No. 608,785. Columbia River Packers Association, Inc., Astoria, Oreg. Filed Jan. 15, 1951.



The representation of the "Eskimo" is fanciful. The representation of the fish is disclaimed. Applicant claims ownership of Registration No. 76,680.

For Canned Salmon.
Claims use since 1896.

Ser. No. 611,764. John Calvin Core, Jr., Huntington, W. Va. Filed Mar. 26, 1951.

YOGI BLEND

The word "Blend" is disclaimed.

For Cocoa Base Powder Used in Making Chocolate-Flavored Food Drink.
Claims use since Mar. 15, 1951.

Ser. No. 612,735. Florida Coffee Company, Miami, Fla. Filed Apr. 17, 1951.



The representation of the coffee and all wording are disclaimed.
For Coffee.
Claims use since June 30, 1944.

Ser. No. 614,085. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Filed May 19, 1951.

aMaiSinG

For Monosodium Glutamate Used To Intensify the Flavor of Foods.
Claims use since Apr. 16, 1951.

Ser. No. 614,769. Graves Brothers Company, Wabasso, Fla. Filed June 5, 1951. (Sec. 2f as to "Wabasso.")



The words "Indian River" and the representation of the fruit are disclaimed. The representation of the Indian girl is fanciful. The drawing is lined for the colors brown, red, green and purple and stippled for shading purposes.
For Fresh Citrus Fruits.
Claims use since 1938.

Ser. No. 616,538. Ayres and Roberts, doing business under the fictitious name and style of Quality Frozen Co., San Francisco, Calif. Filed July 16, 1951.



For Frozen Green Peas.
Claims use since Mar. 12, 1951.

Ser. No. 617,397. Georges-George De Met & Bros., Inc., Chicago, Ill. Filed Aug. 7, 1951.

POLLIES

For Candy.
Claims use since 1939.

Ser. No. 617,511. The Rendezvous Restaurant, Monroe, La. Filed Aug. 9, 1951.



For Balkan Salad Dressing.
Claims use since Apr. 15, 1950.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 600,385. Lorraine Lighting Products Co., Brooklyn, N. Y. Filed July 8, 1950.

KUM-PET

The word "Pet" is disclaimed.
For Automatic Feeder for Animals and Birds.
Claims use since June 7, 1950.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 605,186. White Tower Management Corporation, Stamford, Conn. Filed Oct. 19, 1950.



For Serving and Dispensing Food and Beverages in Restaurants.
Claims use since Sept. 7, 1950.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 540,693. The Answer Man, New York, N. Y. Filed Nov. 10, 1947. (Sec. 2f.)

THE ANSWER MAN

For General Advertising Services—Namely, Supplying Ideas for Newspaper, Radio, Television, Motion Picture, Sound Recordings, Magazine, Outdoor, and Bus Card Advertising; Preparation of the Initial Layouts and Finished Art Work and Copy for Clients; Preparation of Radio, Television, and Motion Picture Scripts for Clients; Contracting for and Buying Advertising Space and Radio and Television Time for Clients.
Claims use since Mar. 16, 1937.

Ser. No. 610,557. The Haloid Company, Rochester, N. Y. Filed Feb. 27, 1951.

XeroX

Applicant claims ownership of Registrations Nos. 522,665, 523,874, 523,875, and 546,414.
For Leasing of Copying Machines and Equipment Used in the Reproduction of Documents, Drawings, Maps, Printed, Typewritten and Written Matter by an Electro-Copying Process.
Claims use since June 22, 1949.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 569,481. Selected Risks Indemnity Company, Branchville, N. J. Filed Nov. 26, 1948. (Sec. 2f.)

Safety Rules Incorporated

The word "Incorporated" is disclaimed.
For Services—Namely, the Underwriting of Casualty, Fire, Liability, Compensation, and Indemnity Insurance.
Claims use since June 1933.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 563,550. Kent Harris, doing business under the name Travelworld, Los Angeles, Calif. Filed July 31, 1948.

TRAVELWORLD

For Travel Services—Namely, the Planning and Conducting of Excursions, Tours, and Charter Parties; Chartering All Forms of Transportation Facilities; Arranging Hotel and Resort Reservations; and Procuring for Travellers Railroad, Motor, Steamship, and Airplane Tickets.
Claims use since Mar. 18, 1946.

Ser. No. 601,271. Minneapolis, St. Paul & Sault Ste. Marie Railroad Company, Minneapolis, Minn. Filed July 26, 1950.

THE MOUNTAINEER

For Railroad Passenger and Freight Transportation Service.
Claims use since Aug. 1, 1923.

CLASS 106

MATERIAL TREATMENT

Ser. No. 589,602. Roland J. Struve, Bell Gardens, Calif. Filed Dec. 19, 1949.

KEMI-STONE

The word "Stone" is disclaimed.
For Scoring or Imprinting a Wet Concrete or Plaster Surface With Lines so That It Resembles the Surface of a Structure Made Up of Natural Stone and Chemically Staining Each of the Artificially Imprinted Stones in Different Colors To Achieve an Artistic Impression of a Natural Stone Masonry Wall or Floor.
Claims use since Jan. 8, 1948.

Ser. No. 611,154. Alexander Smith & Sons Carpet Company, Yonkers, N. Y., now by change of name Alexander Smith, Incorporated. Filed Mar. 10, 1951.

Textralized

For Processing Fibers To Impart an Artificial Crimp Thereto.
Claims use since May 25, 1950.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 598,122. The Bachelors of Music, Chicago, Ill. Filed May 25, 1950.

The Bachelors OF MUSIC

The words "Of Music" are disclaimed.
For Musical Entertainment by a Group of Instrumentalists Entertaining by Personal Appearances in Public Establishments, at Private Gatherings, and on Public Radio Programs.
Claims use since May 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,653. Glass Cleaner and Polish. Gold Seal Co., Bismarck, N. Dak., assignor to Gold Seal Company, Bismarck, N. Dak., a corporation of North Dakota.
Filed Nov. 22, 1945, Serial No. 492,040. Published Mar. 25, 1947. Class 4.

444,654. Men's, Women's, Boys', and Girls' Wearing Apparel, Etc. Welch, Margetson & Co. Ltd., London, England.
Filed Feb. 6, 1946, Serial No. 496,117. Published Dec. 12, 1950. Class 39.

ACT OF 1946, PRINCIPAL REGISTER

554,312. Table Salt. Michigan Salt Company, St. Louis, Mich.
Original filed, act of 1905, Sept. 5, 1946; amended to application under act of 1946, Principal Register, Jan. 17, 1949, Serial No. 508,541. Published Nov. 13, 1951. Class 46.

554,313. Canned Frozen Fresh Deciduous Fruits. Pacific Grape Products Company, Modesto, Calif.
Original filed, act of 1905, Dec. 4, 1946; amended to application under act of 1946, Principal Register, Jan. 30, 1950, Serial No. 513,680. Published Oct. 30, 1951. Class 46.

554,314. Wheat Flour, Both Plain and Self-Rising; Corn Meal, Dairy Feed, and Hog Feed. Shankel Mill Company, Incorporated, Bristol, Va.
Filed Sept. 12, 1947, Serial No. 534,379. Published Nov. 6, 1951. Class 46.

554,315. Mechanically Grooved Phonograph Records. Decca Records, Inc., New York, N. Y.
Filed July 26, 1947, Serial No. 536,740. Published Nov. 13, 1951. Class 36.

554,316. Candy. Euclid Candy Company of California, Inc., San Francisco, Calif.
Filed Oct. 9, 1947, Serial No. 537,302. Published Nov. 6, 1951. Class 46.

554,317. Lubricating Oil. Bodie-Hoover Petroleum Corporation, Chicago, Ill.
Filed Oct. 21, 1947, Serial No. 538,488. Published Oct. 23, 1951. Class 15.

554,318. Fresh Citrus Fruits. Naranjo Packing House Company, Woodlake, Calif.
Filed Nov. 7, 1947, Serial No. 540,439. Published Nov. 6, 1951. Class 46.

554,319. Regulators for Controlling the Flow and Pressure of Gas. Reliance Regulator Corporation, Alhambra, Calif.
Filed Nov. 26, 1947, Serial No. 542,488. Published Nov. 20, 1951. Class 13.

554,320. Saxophone-Supporting Neck Straps and Musical Instrument Swabs, Said Swabs Being Used for Cleaning Bores of Woodwind and Brasswind Instruments. H. & A. Selmer, Incorporated, Elkhart, Ind.
Filed Dec. 3, 1947, Serial No. 543,228. Published Nov. 13, 1951. Class 36.

554,321. Combined Radio Receivers and Alarm Clocks. Garod Radio Corporation, Brooklyn, N. Y.
Filed Jan. 3, 1948, Serial No. 546,093. Published Nov. 13, 1951. Class 21.

554,322. Ribbon Made From a Cellulose Composition Material, Used for Decorative Packaging and Festive Decorations. Transparent Package Company, Chicago, Ill.
Filed Jan. 10, 1948, Serial No. 546,737. Published Nov. 13, 1951. Class 7.

554,323. Hosiery. M. K. M. Hosiery Mills, Inc., Boston, Mass.
Filed Jan. 14, 1948, Serial No. 547,019. Published July 26, 1949. Class 39.

554,324. Cooked Hams and Pork Shoulder Picnics. William Davies Co., Inc., Chicago, Ill.
Filed Jan. 21, 1948, Serial No. 547,623. Published Nov. 13, 1951. Class 46.

554,325. Equipment for Use in Electric Protective Signalling Systems, Etc. The Protectowire Co., Pembroke, Mass.
Filed Feb. 3, 1948, Serial No. 548,693. Published Nov. 13, 1951. Class 21.

554,326. Wearing Apparel for Men and Boys—Namely, Underwear, Leather and Fabric Gloves, Shirts, Sweaters, Jackets, Coats, Suits, and Hosiery. Empeco Merchandise Co. Inc., New York, N. Y.
Filed Feb. 19, 1948, Serial No. 550,131. Published Apr. 25, 1950. Class 39.

554,327. Metal Phonograph Needles, Both for Home Phonographs and for Coin Phonograph Machines; and Phonograph Styli, All Having Special Hard Metal Tips. Pfanstiehl Chemical Company, Chicago and Waukegan, Ill.
Filed Feb. 25, 1948, Serial No. 550,549. Published Oct. 30, 1951. Class 36.

554,328. Hard Candies. The O. P. Baur Confectionery Company, Denver, Colo.
Filed Mar. 1, 1948, Serial No. 550,891. Published Oct. 23, 1951. Class 46.

554,329. Bath Room Cabinets. The Philip Carey Manufacturing Company, Cincinnati, Ohio.
Filed May 5, 1948, Serial No. 556,285. Published Nov. 6, 1951. Class 32.

554,330. Hair Pomade. Garrett R. White, doing business as Carpenter & Co., Cleveland, Ohio.
Filed May 28, 1948, Serial No. 558,089. Published Oct. 9, 1951. Class 51.

554,331. Portable Automatic Sprinkler Type Fire Extinguishers. Fire Master Corporation, Brooklyn, N. Y.
Filed June 1, 1948, Serial No. 558,223. Published Oct. 23, 1951. Class 23.

554,332. Mechanically Grooved Gramophone Records. The Decca Record Company Limited, London, England.
Filed June 10, 1948, Serial No. 558,871. Published Nov. 13, 1951. Class 36.

554,333. Key Cutting and Key Duplicating Machinery. Keil Lock Co., Inc., Charlestown, N. H.
Filed June 17, 1948, Serial No. 559,519. Published July 24, 1951. Class 23.

554,334. Pipe Couplings. The Standard Oil Company, Cleveland, Ohio.
Filed Aug. 7, 1948, Serial No. 563,028. Published Nov. 20, 1951. Class 13.

554,335. Vehicle Lift for Use With Agricultural Implements. Monroe Auto Equipment Company, Monroe, Mich.
Filed Aug. 9, 1948, Serial No. 563,076. Published Oct. 30, 1951. Class 23.

554,336. Tables—Namely, Folding Card Tables, Folding Banquet Tables, and Folding Chairs and Benches. The Brewer-Titchener Corporation, Cortland, N. Y.
Filed Aug. 19, 1948, Serial No. 563,721. Published Nov. 13, 1951. Class 32.

554,337. Steel Shelving Supports, Consisting of Bases, Uprights, and Shelving Brackets. S. A. Hirsh Manufacturing Co., Chicago, Ill.
Filed Aug. 26, 1948, Serial No. 564,199. Published Nov. 13, 1951. Class 32.

554,338. Bar Soap. Catalina Island Soap Corporation, assignee of Ralph S. Willard, doing business as Catalina Island Soap Co., Los Angeles, Calif.
Filed July 26, 1948, Serial No. 564,236. Published Nov. 13, 1951. Class 52.

554,339. The Following Items, Made Wholly or in Part From Rubber or Rubber Substitutes or From Synthetic Resins: Motor Mountings, Nonmetallic Rollers, Etc. Arrowhead Rubber Co., Vernon, Calif.
Filed Sept. 16, 1948, Serial No. 565,221. Published Oct. 23, 1951. Class 23.

554,340. Nuts, Bolts, Clips, Clamps, Metal Bushings, Screws, and Metal Brackets; and Fastening Units—Namely, Nuts and Bolts, in Combination With Metal Channels and/or Brackets, and/or Baskets for Joining and Fastening Adjoining Metallic Parts. Elastic Stop Nut Corporation of America, Union, N. J.
Filed Sept. 23, 1948, Serial No. 565,692. Published Nov. 20, 1951. Class 13.

554,341. Couplings for Metal Tubes and Pipes; Etc. The Parker Appliance Company, Cleveland, Ohio.
Filed Oct. 21, 1948, Serial No. 567,426. Published Nov. 20, 1951. Class 13.

554,342. Antiseptics; Cosmetics—Namely, Creams, Lotions, Oils, Powders, and Talcum, All for Medical, Surgical, Pharmaceutical, and Nursery Uses. Johnson & Johnson, New Brunswick, N. J.
Filed Nov. 12, 1948, Serial No. 568,628. Published Oct. 30, 1951. Class 51.

554,343. Antiseptics; Cosmetics—Namely, Creams, Lotions, Oils, Powders, and Talcum, All for Medical, Surgical, Pharmaceutical, and Nursery Uses. Johnson & Johnson, New Brunswick, N. J.
Filed Nov. 12, 1948, Serial No. 568,631. Published Oct. 30, 1951. Class 51.

554,344. Centrifugal Pumps Designed for Pumping Coolants and Cutting Oils on Machine Tools; for Circulating Cooling Liquids, Water or Quenching Oil; for Deep Well Drilling or Chip Flushing Applications and for General Liquid Transfer Service. Logansport Machine Co., Inc., Logansport, Ind.
Filed Nov. 12, 1948, Serial No. 568,644. Published Oct. 16, 1951. Class 23.

554,345. Chemical Preparation for the Treatment of Muscular Aches in the Human Body. Virgil Watson Bird, doing business as Stimulene Mfg. Co., Gallatin, Tenn.
Filed Nov. 15, 1948, Serial No. 568,778. Published Oct. 9, 1951. Class 18.

554,346. Shoes, Boots, Sandals, Slippers. Wellco Shoe Corporation, Waynesville, N. C.
Filed Nov. 15, 1948, Serial No. 568,818. Published Oct. 23, 1951. Class 39.

554,347. Carbonators, Including a Carbonating Unit for Carbonating Water for Beverage Purposes. Lawrence H. M. Vineburgh, Hartford, Conn.
Filed Dec. 3, 1948, Serial No. 569,919. Published Oct. 16, 1951. Class 23.

554,348. Hose Nozzles, Lawn Sprinklers. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 14, 1948, Serial No. 570,516. Published Nov. 20, 1951. Class 13.

554,349. Phonograph Needles, Phonograph Pick-Up Needles, and Sound Boxes for Phonographs and Talking Machines. J. Stead & Company Limited, Sheffield, England.
Filed Dec. 23, 1948, Serial No. 571,060. Published Oct. 30, 1951. Class 36.

554,350. China Closets, Buffets, Serving Tables, Etc. Factors To You Furniture Corporation, Philadelphia, Pa.
Filed Jan. 14, 1949, Serial No. 572,169. Published Nov. 13, 1951. Class 32.

554,351. Musical Instruments—Namely, Keyboard Operated or Roll Operated Chime or Bell Instruments for Producing Tunes; Mechanically Grooved Phonographic Records; and Rolls Used in Said Chime or Bell Instruments. Schulmerich Electronics, Incorporated, Sellersville, Pa.
Filed Jan. 19, 1949, Serial No. 572,456. Published Nov. 13, 1951. Class 36.

554,352. Make-Up Mirrors. Roy A. Ferguson, doing business under the firm name and style of R. A. Ferguson Co., Hollywood, Calif.
Filed Jan. 28, 1949, Serial No. 572,964. Published Oct. 30, 1951. Class 32.

554,353. Electric Air Sterilizing Machine for Dispersing Into Air a Chemical Absorbed by a Wick Partially Immersed in the Chemical and Heated by the Machine. Aeroglide Corporation, Raleigh, N. C.
Filed Feb. 28, 1949, Serial No. 574,605. Published June 27, 1950. Class 21.

554,354. Aircraft Cockpit Radio Control Panels. Bendix Aviation Corporation, Detroit, Mich.
Filed Mar. 3, 1949, Serial No. 574,814. Published Nov. 13, 1951. Class 21.

554,355. Furniture—Namely, Beds, Chairs, Night Stands, Dressers, Chests of Drawers, Vanities, Vanity Benches, Mirrors, and Commodes. Sandhill Furniture Corporation, West End, N. C.
Filed Mar. 14, 1949, Serial No. 575,440. Published Oct. 16, 1951. Class 32.

554,356. Distributors and Parts Thereof for Engines. Holley Carburetor Company, Detroit, Mich.
Filed Mar. 28, 1949, Serial No. 576,209. Published Nov. 13, 1951. Class 21.

554,357. Valves for Control of Fluids and Component Parts Thereof. Rockwell Manufacturing Company, Pittsburgh, Pa.
Filed Apr. 15, 1949, Serial No. 577,225. Published Nov. 20, 1951. Class 13.

554,358. Plug Valves for Control of Fluids and Component Parts Thereof. Rockwell Manufacturing Company, Pittsburgh, Pa.
Filed Apr. 15, 1949, Serial No. 577,226. Published Nov. 20, 1951. Class 13.

554,359. Tools—Namely, Tipped or Non-Tipped of Cemented or Cast Carbides of Great Hardness, Reamers, Drills, Cutters, and Lathe Tools, Drawing Tools, and Dies. Wolfram & Molybdene Société Anonyme, Nyon, Switzerland.
Filed Mar. 31, 1949, Serial No. 577,851. Published June 5, 1951. Class 23.

554,360. Sets of Carpenters' Tools Comprising a Steel Chisel, Gimlet, Carpenters' Chalk, Box of Nails, Hammer, Plane, Plier, Sand Paper, Screw Driver, Hand Saw With Blade, Try Square, and Cast Iron Vise Sold as a Unit. Grey Iron Casting Company, Mount Joy, Pa.
Filed May 17, 1949, Serial No. 578,972. Published Nov. 13, 1951. Class 23.

554,361. Amusement Apparatus in the Form of a Ride for Adults and Children. Donald R. Ray, doing business as Roll-A-Whirl Co., St. James, Mo.
Filed June 2, 1949, Serial No. 579,891. Published Nov. 13, 1951. Class 22.

554,362. Electrical Motors. The Brown-Brockmeyer Company, Dayton, Ohio.
Filed June 4, 1949, Serial No. 579,965. Published Oct. 30, 1951. Class 21.

554,363. Toilet Bowls and Tanks, Urinals, Lavatories and Lavatory Basins, Sinks, and Metal Fittings for Each—Namely, Ball Cocks and Flush Valves. Mansfield Sanitary Pottery, Inc., Perrysville, Ohio.
Filed June 29, 1949, Serial No. 581,273. Published Nov. 20, 1951. Class 13.

554,364. Pharmaceutical Preparation Containing Vitamin A and Indicated for the Treatment of Vitamin A Deficiencies. The S. E. Massengill Company, Bristol, Tenn.
Filed Jan. 11, 1950, Serial No. 590,671. Published Oct. 23, 1951. Class 18.

554,365. Pharmaceutical Preparation Having Anodyne, Hemostatic, Astringent, and Antipruritic Action. The S. E. Massengill Company, Bristol, Tenn.
Filed Jan. 11, 1950, Serial No. 590,688. Published Oct. 23, 1951. Class 18.

554,366. Dressers, Vanity Dressers, Men's Chests, Chifforobes, Toilet Tables, Night Tables, and Beds (Not Including Springs), Mirrors, Benches, Buffets, Servers, Cupboards, and Chairs. Jamestown Table Company, Jamestown, N. Y.
Filed Jan. 20, 1950, Serial No. 591,168. Published Nov. 13, 1951. Class 32.

554,367. Collapsible Combination Clothes Rack, and Shoe Rack. Sidney S. Gould, doing business as Combined Industries, Brooklyn, N. Y.
Filed Jan. 23, 1950, Serial No. 591,292. Published Nov. 13, 1951. Class 32.

554,368. Pumps—Namely, Oil Burner Fuel Pumps Including Fuel Strainers and Pressure Regulating Valves and Parts Thereof, Lubricating Pumps, and Pumps for Use in Power Hydraulic Apparatus; and Thermostatically Controlled Variable Diameter Pulleys, and V-Pulleys. Webster Electric Company, Racine, Wis.
Filed Jan. 24, 1950, Serial No. 591,390. Published Nov. 6, 1951. Class 23.

554,369. Hand and Power Operated Garden Plows and Tractors and Parts Thereof. Paul Hainke, doing business as The Paul Hainke Mfg. Co., Hutchinson, Kans.
Filed Jan. 30, 1950, Serial No. 591,677. Published Nov. 6, 1951. Class 23.

554,370. Men's Socks (for Wear). G. Hastings & Co. Limited, Leicester, England.
Filed Feb. 14, 1950, Serial No. 592,566. Published Oct. 23, 1951. Class 39.

554,371. Portable Foam Rubber Combination Back and Seat Rest. Bonded Foam Latex Company, Inc., Cleveland, Ohio.
Filed Feb. 18, 1950, Serial No. 592,695. Published Nov. 13, 1951. Class 32.

554,372. Steel Wool Pads. Multi-Clean Products, Incorporated, St. Paul, Minn.
Filed Mar. 4, 1950, Serial No. 593,576. Published Nov. 13, 1951. Class 4.

554,373. Hard Surface Floor and Wall Coverings of Linoleum and Linoleum Substitutes—Namely, Those Containing a Synthetic or Natural Plastic Ingredient, Sold in Rolls or Cut Into Rugs, Strips, Mats, or Tiles. Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa.
Filed Mar. 11, 1950, Serial No. 593,836. Published Nov. 6, 1951. Class 20.

554,374. Compacts Containing Powder. Alfred Dunhill of London, Inc., New York, N. Y.
Filed Mar. 25, 1950, Serial No. 594,634. Published Oct. 30, 1951. Class 51.

554,375. Brassières, Girdles, Corselets, and Foundation Garments. Even-Pul Foundations, Inc., New York, N. Y.
Filed Apr. 8, 1950, Serial No. 595,457. Published Nov. 13, 1951. Class 39.

554,376. Pillows. The L. Buchman Co. Incorporated, New York and Brooklyn, N. Y.
Filed Apr. 10, 1950, Serial No. 595,491. Published Nov. 13, 1951. Class 32.

554,377. Bleaching Peroxide, Nail Polish Remover, Brilliantine, Hair Wave Lotion, Hair Oil. G. Barr and Company, Chicago, Ill.
Filed Apr. 19, 1950, Serial No. 595,934. Published Oct. 30, 1951. Class 51.

554,378. Women's Hosiery. Berkshire Knitting Mills, Wyomissing, Pa.
Filed Apr. 29, 1950, Serial No. 596,554. Published Oct. 23, 1951. Class 39.

554,379. Pneumatic and Hydraulic Cylinders, Belt and Slat Conveyors, Diesel Hoists, Marine Winches, and Concrete Block Molding Machines. Hyman Ledeen, doing business as Ledeen Manufacturing Co., Los Angeles, Calif.
Filed May 1, 1950, Serial No. 596,672. Published Oct. 30, 1951. Class 23.

554,380. Chain Pulley Blocks. Geo. W. King Limited, Hitchin, England.
Filed May 12, 1950, Serial No. 597,341. Published Nov. 6, 1951. Class 23.

554,381. Canned Fish. The French Sardine Company of California, Terminal Island, Calif.
Filed May 16, 1950, Serial No. 597,520. Published Nov. 13, 1951. Class 46.

554,382. Machines Used for Applying Metal Flat Band Strapping to Boxes, Bales, Packages, and the Like. General Strapping Corporation, New York, N. Y.
Filed May 24, 1950, Serial No. 598,012. Published Aug. 8, 1950. Class 23.

554,383. Game Played Upon a Board Marked To Define Paths Along Which Game Pieces Are Moved in Response to the Throw of Dice. Thomas E. Braski, Pontiac, Mich.
Filed May 25, 1950, Serial No. 598,058. Published Nov. 13, 1951. Class 22.

554,384. Medicinal Liniment. Yellow Pine Medicine Company, Inc., Montgomery, Ala.
Filed May 26, 1950, Serial No. 598,231. Published Oct. 23, 1951. Class 18.

554,385. Wheat Flour and Prepared Biscuit Mixes. Mayflower Mills, Fort Wayne, Ind.
Filed June 1, 1950, Serial No. 598,425. Published Nov. 13, 1951. Class 46.

554,386. Lawn Mowers, i. e., Hand Lawn Mowers and Power Lawn Mowers (Both Gas Motor Driven Power Lawn Mowers and Electric Motor Driven Power Lawn Mowers) and for Hand Operated Lawn Sweepers. Western Tool and Stamping Co., Des Moines, Iowa.
Filed June 19, 1950, Serial No. 599,403. Published Oct. 16, 1951. Class 23.

554,387. Medicinal Preparation for the Treatment of Arthritic Conditions. Cerbini & Co., New York, N. Y.
Filed June 24, 1950, Serial No. 599,695. Published Oct. 23, 1951. Class 18.

554,388. Medicinal Preparation for the Treatment of Cancer. Cerbini & Co., New York, N. Y.
Filed June 24, 1950, Serial No. 599,696. Published Oct. 23, 1951. Class 18.

554,389. Electrical Apparatus—Namely, Television Receiving Sets, Combination Television Receiving and Radio Receiving Sets, and Combination Television Receiving Sets, Radio Receiving Sets, and Record Players. John Meck Industries, Inc., Plymouth, Ind.
Filed June 24, 1950, Serial No. 599,714. Published Nov. 6, 1951. Class 21.

554,390. Fresh Grapes. Blaine-Roper Co., Ivanhoe, Calif.
Filed July 3, 1950, Serial No. 600,161. Published Nov. 13, 1951. Class 46.

554,391. Combination Filing and Storage Cabinets. Goldsmith Bros., New York, N. Y.
Filed July 6, 1950, Serial No. 600,263. Published Nov. 13, 1951. Class 32.

554,392. Pillows. Sleep Pure Company, Chicago, Ill.
Filed July 6, 1950, Serial No. 600,310. Published Nov. 13, 1951. Class 32.

554,393. Ladies' Dresses. Terry Hill, Inc., New York and Astoria, N. Y., assignor to Nancy Gale, Ltd., New York, N. Y., a corporation of New York.
Filed July 20, 1950, Serial No. 600,958. Published Nov. 13, 1951. Class 39.

554,394. Electric Lighting Apparatus for Energizing Light Bulbs and Designed To Energize the Lights, Etc. Schack's, Inc., Chicago, Ill.
Filed July 12, 1949, Serial No. 581,831. Published Oct. 30, 1951. Class 21.

554,395. Empty Radio Cabinets, Empty Phonograph Cabinets, and Bureau Drawers. Hawley Products Company, St. Charles, Ill.
Filed July 23, 1949, Serial No. 582,428. Published Nov. 13, 1951. Class 32.

554,396. Hats and Caps for Men and Boys. Champ Hats, Inc., Philadelphia, Pa.
Filed Aug. 2, 1949, Serial No. 582,817. Published Oct. 24, 1950. Class 39.

554,397. Molybdenum Disulphide Used as a Lubricant and as an Additive to Lubricating Oils and Lubricating Greases. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa.
Filed Aug. 13, 1949, Serial No. 583,458. Published Oct. 16, 1951. Class 15.

554,398. Hosiery, Sweaters, Bathing Suits, Leather, Fabric, and Wool Gloves for Men, Women, and Children, and Work Shirts. Askin Brothers Company, Inc., Baltimore, Md.
Filed Sept. 1, 1949, Serial No. 584,309. Published Oct. 23, 1951. Class 39.

554,399. Built-in Antennas for Television Receiving Sets. Admiral Corporation, Chicago, Ill.
Filed Oct. 14, 1949, Serial No. 586,262. Published July 3, 1951. Class 21.

554,400. Knives, Spoons, Forks, Razors, Razor Blades, Tin Openers, Corkscrews, Axes, Hatchets, Hoes, Machetes, Spades, Shovels, Hammers, Pincers, Files, Saws, Planes, Chisels, and Drills. Union Trading Company Ltd., Basel, Switzerland.
Filed Oct. 15, 1949, Serial No. 586,379. Published Oct. 16, 1951. Class 23.

554,401. Compositions Comprising Soluble Soaps (Sodium, Potassium, Ammonium, and Amine) of Castor Oil, Etc. The Baker Castor Oil Company, Jersey City, N. J.
Filed Oct. 19, 1949, Serial No. 586,564. Published Nov. 13, 1951. Class 52.

554,402. Medicinal Preparation Providing Analgesic, Antipyretic, and Sedative Action, Having Wide Application in the Relief of Pain. The S. E. Massengill Company, Bristol, Tenn.
Filed Nov. 16, 1949, Serial No. 587,879. Published Oct. 23, 1951. Class 18.

554,403. Medicinal Preparation Designed for Use in the Treatment of Asthmatic Paroxysm and Prophylactically in Warding Off Seizures. The S. E. Massengill Company, Bristol, Tenn.
Filed Nov. 16, 1949, Serial No. 587,898. Published Oct. 23, 1951. Class 18.

554,404. Yarns and Threads of Rayon, Spun Rayon, Protein, Nylon, and Mixtures Thereof. Algemeene Kunstzijde Unie N. V., Arnhem, Netherlands.
Priority under Sec. 44(d). Dutch application filed July 6, 1949, Registration No. 101,970, dated July 16, 1949.
Filed Nov. 17, 1949, Serial No. 587,923. Published Nov. 6, 1951. Class 43.

554,405. Hosiery. Duet Hosiery Corp., New York, N. Y., assignor to Warren Knitting Mills, Inc., New York, N. Y., a corporation of New Jersey.
Filed Dec. 3, 1949, Serial No. 588,753. Published Nov. 7, 1950. Class 39.

554,406. Synthetic Yarns and Threads. Algemeene Kunstzijde Unie N. V., Arnhem, Netherlands.
Filed Nov. 17, 1949, Serial No. 588,837. Published Nov. 6, 1951. Class 43.

554,407. Fishing Rods, Fishing Reels, Fishing Plugs, Artificial Fishing Flies, Artificial Fishing Lures, Fishing Spinners, Fishing Hooks, Fishing Leaders, Fishing Line, Artificial Fly-Tying Fibre, and Rod Wrapping Thread. The Fireiure Corporation, San Francisco, Calif.
Filed Dec. 12, 1949, Serial No. 589,205. Published Nov. 13, 1951. Class 22.

554,408. Electric Iron Rest. Irving J. Kopel, doing business as Kopel Filter Paper Co., Chicago, Ill.
Filed Dec. 30, 1949, Serial No. 590,163. Published Nov. 13, 1951. Class 21.

554,409. Child's Collapsible Toilet Seat. Harper Richards, Chicago, Ill.
Filed July 25, 1950, Serial No. 601,233. Published Nov. 20, 1951. Class 13.

554,410. Electronic Voice Transmitter for Use in Conjunction With a Radio Receiver Whereby the Voice Transmitted Is Reproduced by the Receiver Without the Aid of Interconnecting Wired Circuits. Ferrar Radio & Television Corp., New York, N. Y.
Filed July 28, 1950, Serial No. 601,352. Published Nov. 6, 1951. Class 21.

554,411. Front Surface Mirrors, Rear Surface Mirrors, and Transparent Mirrors. Libbey-Owens-Ford Glass Company, Toledo, Ohio
Filed Aug. 10, 1950, Serial No. 602,040. Published Nov. 6, 1951. Class 32.

554,412. Cosmetic Preparations and Toilet Preparations—Namely, Perfumes, Etc. Aktiebolaget Hässle, Apotekare Paul Nordströms Fabriker, Hasslelholm, Sweden.
Filed Aug. 11, 1950, Serial No. 602,078. Published Oct. 23, 1951. Class 51.

554,413. Rock Bit Grinders, Pulverizers, Hot Millers, Etc. The Mine and Smelter Supply Company, Denver, Colo.
Filed Aug. 15, 1950, Serial No. 602,208. Published Oct. 30, 1951. Class 23.

554,414. Electrical Circuit Control Elements—Namely, Resistors. Ohmite Manufacturing Company, Chicago, Ill.
Filed Aug. 16, 1950, Serial No. 602,282. Published Nov. 13, 1951. Class 21.

554,415. Electrical Circuit Control Elements—Namely, Resistors. Ohmite Manufacturing Company, Chicago, Ill.
Filed Aug. 16, 1950, Serial No. 602,283. Published Nov. 13, 1951. Class 21.

554,416. Lime Broadcasters, Manure Broadcasters, Cultivators, Fertilizer Distributors, Etc. B. F. Avery & Sons Company, Louisville, Ky., assignor to Minneapolis-Moline Company, a corporation of Minnesota.
Filed Aug. 21, 1950, Serial No. 602,484. Published Oct. 16, 1951. Class 23.

554,417. Men's, Women's and Children's Hosiery. Pilot Full Fashion Mills, Inc., Valdese, N. C., and New York, N. Y.
Filed Aug. 30, 1950, Serial No. 602,968. Published Oct. 23, 1951. Class 39.

554,418. Electric Cords, Plugs, Sockets, and Mechanic's Light Shields. Totem Distributing Co., Seattle, Wash.
Filed Sept. 12, 1950, Serial No. 603,465. Published Nov. 13, 1951. Class 21.

554,419. Cable Bands Used in the Cutting of Wire Cables So That the Cut End of the Wire Cables Do Not Unravel. Morse Starrett Products Company, Oakland, Calif.
Filed Sept. 13, 1950, Serial No. 603,494. Published Nov. 20, 1951. Class 13.

554,420. Medicinal Preparation for the Relief of Skin Diseases, Eczema, Poison Oak, Minor Burns, Fresh Cuts, Old Sores and Toe Itch. Hibdon Brothers Medicine Co., Morrison, Tenn.
Filed Sept. 18, 1950, Serial No. 603,683. Published Oct. 23, 1951. Class 18.

554,421. Battery Operated Flood-Lights and Spotlights Designed To Operate Automatically Upon an Electrical Power Failure in a Specifically Designated Area; Battery Operated Warning Lights. Electric Cord Company, New York, N. Y.
Filed Sept. 28, 1950, Serial No. 604,147. Published Nov. 13, 1951. Class 21.

554,422. Medicinal Preparation for the Treatment of Bacterial Infections. The Upjohn Company, Kalamazoo, Mich.
Filed Oct. 6, 1950, Serial No. 604,554. Published Oct. 16, 1951. Class 18.

554,423. Folding Chairs. Lorraine Novelty Manufacturing Company, Incorporated, Bridgeport, Conn.
Filed Oct. 16, 1950, Serial No. 604,977. Published Nov. 6, 1951. Class 32.

554,424. Underwear, Stockings, and Socks for Men, Women, and Children. Petersen & Dekke A/S, Hop, near Bergen, Norway.
Filed Oct. 21, 1950, Serial No. 605,262. Published Nov. 6, 1951. Class 39.

554,425. Scissors and Shears. H. Boker & Company, Inc., New York, N. Y.
Filed Oct. 26, 1950, Serial No. 605,508. Published Oct. 16, 1951. Class 23.

554,426. Storage Batteries and Storage Battery Cases. Vitalic Battery Company, Inc., Dallas, Tex.
Filed Nov. 2, 1950, Serial No. 605,820. Published Nov. 13, 1951. Class 21.

554,427. Furniture Slip Covers. National Puff Company, Brooklyn, N. Y.
Filed Nov. 6, 1950, Serial No. 605,966. Published Nov. 6, 1951. Class 32.

554,428. CONSOLIDATED CERTIFICATE. Oil Well Supply Company, Dallas, Tex.
Electric Generators Powered by Internal Combustion Engines. Filed Nov. 9, 1950, Serial No. 606,165. Published Sept. 11, 1951. Class 21.
Internal Combustion Engines. Filed Nov. 9, 1950, Serial No. 606,166. Published Oct. 16, 1951. Class 23.

554,429. Flow Control Valves, Pipe Fittings for Hot Water Heating Systems, Dual Unit Valves Consisting of Pressure Reducing and Pressure Relief Valves, Pressure Reducing Valves, and Pressure Relief Valves. Bell & Gossett Company, Morton Grove, Ill.
Filed Nov. 10, 1950, Serial No. 606,203. Published Nov. 20, 1951. Class 13.

554,430. Tooth and Denture Powder. A. L. McDonald, Milford, Utah.
Filed Nov. 17, 1950, Serial No. 606,559. Published Oct. 30, 1951. Class 51.

554,431. Fat-Soluble Vitamin-Containing Glyceride Oils. Nopco Chemical Company, Harrison, N. J.
Filed Nov. 22, 1950, Serial No. 606,793. Published Oct. 23, 1951. Class 18.

554,432. Anti-Friction Spindles and Parts Thereof for Use in Spinning Frames and Twisting Frames in the Textile Industry. H & B American Machine Company, South Attleboro, Mass.
Filed Nov. 30, 1950, Serial No. 607,124. Published Oct. 30, 1951. Class 23.

554,433. Ladies' and Misses' Dresses, Slacks, Outer Shorts, Blouses, Jumpers, Suits, Sun-Suits, Sun Dresses, Tennis Dresses, Playsuits Jamison Classics, Inc., New York, N. Y.
Filed Nov. 30, 1950, Serial No. 607,129. Published Nov. 13, 1951. Class 39.

554,434. Ladies' Hosiery. Acclaim Hosiery Mills, Inc., High Point, N. C.
Filed Dec. 13, 1950, Serial No. 607,613. Published Oct. 23, 1951. Class 39.

554,435. Mixture of Dried Aromatic Leaves Enclosed in a Bag-Shaped Textile Container for Use as an Inhalator. Mazie Russell, Newark, N. J.
Filed Dec. 22, 1950, Serial No. 608,020. Published Oct. 23, 1951. Class 18.

554,436. Packages Containing Candy and a Toy. Comics Novelty Candy Corp., New York, N. Y.
Filed Dec. 27, 1950, Serial No. 608,104. Published Nov. 13, 1951. Class 46.

554,437. Electrical Liquefying Machine for Liquefying All Types of Fruits and Vegetables. Edward Martony, doing business as Natural Health Products, Sarasota, Fla.
Filed Dec. 28, 1950, Serial No. 608,171. Published Nov. 13, 1951. Class 21.

554,438. Hair Waving Solutions. Rilling Company, New York, N. Y.
Filed Dec. 29, 1950, Serial No. 608,222. Published Oct. 9, 1951. Class 51.

554,439. Yarn Formed of Nylon and "Vicara" ("Vicara" is the Registered Trade-Mark of Virginia-Carolina Chemical Corporation for Synthetic Fibers Made From Zein, a Protein Extracted From Corn). Lily Mills Company, Shelby, N. C.
Filed Jan. 9, 1951, Serial No. 608,556. Published Nov. 13, 1951. Class 43.

554,440. Cream Deodorant for Personal Use. The Pharma-Craft Corporation, New York, N. Y.
Filed Jan. 10, 1951, Serial No. 608,621. Published Oct. 9, 1951. Class 51.

554,441. Girls', Young Women's, and Women's Dresses, Suits, Coats, Hosiery, Slips, Half-Slips, Nightgowns, Pajamas, Panties, Girdles, Brassières, and Foundation Garments. Lane Bryant Inc., New York, N. Y.
Filed Jan. 12, 1951, Serial No. 608,710. Published Nov. 6, 1951. Class 39.

554,442. Pamphlets Issued From Time to Time. The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa.
Filed Dec. 29, 1950, Serial No. 608,218. Published Nov. 13, 1951. Class 38.

554,443. Medicinal Preparation To Correct Central Nervous System Imbalance. McNeil Laboratories, Incorporated, Philadelphia, Pa.
Filed Jan. 16, 1951, Serial No. 608,825. Published Oct. 23, 1951. Class 18.

554,444. Motor Oil. Sun Oil Company, Philadelphia, Pa.
Filed Feb. 9, 1951, Serial No. 609,888. Published Oct. 23, 1951. Class 15.

554,445. Food Comminuting Machines—Namely, Meat Choppers, Meat Grinders, and Parts Thereof. Globe Slicing Machine Co., Inc., Stamford, Conn.
Filed Feb. 10, 1951, Serial No. 609,922. Published Nov. 13, 1951. Class 23.

554,446. Gas Filled Cold Cathode Glow Tubes. Northrop Aircraft, Inc., Hawthorne, Calif.
Filed Feb. 12, 1951, Serial No. 609,984. Published July 17, 1951. Class 21.

554,447. Gun and Reel Lubricants. The Silicote Corporation, Oshkosh, Wis.
Filed Feb. 13, 1951, Serial No. 610,032. Published Oct. 23, 1951. Class 15.

554,448. Electric Soldering Irons. Mitchell Industries, Inc., Mineral Wells, Tex.
Filed Feb. 15, 1951, Serial No. 610,133. Published Nov. 13, 1951. Class 21.

554,449. Toilet Bowl Cleaner. Schaeffer Mfg. Co., St. Louis, Mo.
Filed Feb. 15, 1951, Serial No. 610,147. Published Nov. 13, 1951. Class 52.

554,450. Toilet Bowl Force Cups and Plumber Friends. J. A. Sexauer Mfg. Co., Inc., New York, N. Y.
Filed Feb. 15, 1951, Serial No. 610,148. Published Nov. 6, 1951. Class 23.

554,451. Dry Cologne, Face Powder, Lipstick, and Hand Lotion. Consolidated Cosmetics, Chicago, Ill.
Filed Feb. 16, 1951, Serial No. 610,164. Published Oct. 30, 1951. Class 51.

554,452. Toilet Soap. Consolidated Cosmetics, Chicago, Ill.
Filed Feb. 16, 1951, Serial No. 610,165. Published Nov. 13, 1951. Class 52.

554,453. Lubricating Oils. Thomas J. Yacenda, trading as Deep Rock Refining Co., Richmond, Va.
Filed Feb. 20, 1951, Serial No. 610,353. Published Oct. 23, 1951. Class 15.

554,454. Soft Wave Retaining Preparation for Treating the Hair, in Liquid Form. Liquinet Corporation, Chicago, Ill.
Filed Feb. 21, 1951, Serial No. 610,368. Published Oct. 30, 1951. Class 51.

554,455. Louver Type Windows and Jalousies. Arnold Products, Inc., Opa-locka, Fla.
Filed Feb. 23, 1951, Serial No. 610,400. Published Oct. 9, 1951. Class 12.

554,456. Concentrated Compound Containing Vitamins and Antibiotics Used as a Feed Supplement. Dawe's Products Company, Chicago, Ill.
Filed Feb. 23, 1951, Serial No. 610,417. Published Oct. 16, 1951. Class 18.

554,457. Plastic Tile. Artcrest Products Co. Inc., Chicago, Ill.
Filed Mar. 1, 1951, Serial No. 610,666. Published Oct. 9, 1951. Class 12.

554,458. Cigarette Paper. Ecusta Paper Corporation, Pisgah Forest, N. C.
Filed Mar. 1, 1951, Serial No. 610,675. Published Nov. 6, 1951. Class 8.

554,459. Brassières and Corsets. Cetra Foundations Inc., New York, N. Y., and Perth Amboy, N. J.
Filed Mar. 6, 1951, Serial No. 610,888. Published Nov. 6, 1951. Class 39.

554,460. Women's and Misses' Blouses. Alper Blouse Co. Inc., Philadelphia, Pa.
Filed Mar. 7, 1951, Serial No. 610,947. Published Nov. 6, 1951. Class 39.

554,461. Women's and Misses' Blouses. Alper Blouse Co. Inc., Philadelphia, Pa.
Filed Mar. 7, 1951, Serial No. 610,948. Published Nov. 6, 1951. Class 39.

554,462. Women's and Misses' Blouses. Alper Blouse Co. Inc., Philadelphia, Pa.
Filed Mar. 7, 1951, Serial No. 610,949. Published Nov. 6, 1951. Class 39.

554,463. Plumbers' Brass Goods—Namely, Faucets and Drains for Kitchen, Bathroom, and Laundry, Tub and Shower Fillers and Drains, Vacuum Breaking Valves, Fuel Servicing Nozzles, Pipe Flanges, and Y-Strainers for Water Lines. Barnes Manufacturing Co., Mansfield, Ohio.
Filed Mar. 9, 1951, Serial No. 611,070. Published Nov. 20, 1951. Class 13.

554,464. Coolant Pumps. Gilbert & Barker Manufacturing Company, West Springfield, Mass.
Filed Mar. 14, 1951, Serial No. 611,269. Published Oct. 23, 1951. Class 23.

554,465. Coated Building Paper. The Richkraft Company, Chicago, Ill.
Filed Mar. 16, 1951, Serial No. 611,453. Published Oct. 30, 1951. Class 12.

554,466. Electrical Apparatus—Namely, an Amplifier Including a Microphone and Relays for Reproducing Music in Conjunction With an Electric Motor Operated Vari-Colored-Light Projector, the Whole Synchronized by the Volume of the Music. Musicolor Inc., Chicago, Ill.
Filed Mar. 17, 1951, Serial No. 611,483. Published Nov. 13, 1951. Class 21.

554,467. Wrenches, Pliers, Nail Pullers, Hack Saw Frames, Hack Saw Blades, Screwdrivers, Tinners' Snips, Punches and Chisels, Scratch Awls, and Parts for Wrenches and Pliers. Crescent Tool Company, Jamestown, N. Y.
Filed Mar. 20, 1951, Serial No. 611,561. Published Nov. 6, 1951. Class 23.

554,468. Women's, Misses', and Children's Slips and Undergarments. Singing Needles, Inc., Lititz and Millersville, Pa.
Filed Mar. 26, 1951, Serial No. 611,814. Published Nov. 6, 1951. Class 39.

554,469. Machine Applied and Covered Staples Used in Automatic Desk Type Stapling Machines for Fastening Papers, Cardboard, and Fabrics Together. Markwell Manufacturing Co., Inc., New York, N. Y.
Filed May 4, 1951, Serial No. 613,515. Published Nov. 20, 1951. Class 13.

554,470. Wheels Under Fourteen Inches in Diameter and Used for Juvenile Vehicles Such as Coasters, Wagons, Wheelbarrows, Toy Automobiles, Scooters, Bicycles, and Tricycles. B.M.C. Manufacturing Corp., Binghamton, N. Y.
Filed May 10, 1951, Serial No. 613,698. Published Nov. 13, 1951. Class 22.

554,471. Electrical Resistors. Sprague Electric Company, North Adams, Mass.
Filed May 11, 1951, Serial No. 613,790. Published Nov. 13, 1951. Class 21.

554,472. Board Game. Park & Shop, Inc., Allentown, Pa.
Filed May 24, 1951, Serial No. 614,310. Published Nov. 13, 1951. Class 22.

554,473. Multiple Vitamin Preparations. Wyeth Incorporated, Philadelphia, Pa.
Filed May 31, 1951, Serial No. 614,601. Published Dec. 4, 1951. Class 18.

554,474. Electrical Cables and Insulation and Covering Materials for Same. Crescent Insulated Wire & Cable Co., Trenton, N. J.
Filed June 4, 1951, Serial No. 614,688. Published Nov. 13, 1951. Class 21.

554,475. Toys—Namely, Dancing Dolls. Louis Lo Cascio, doing business as Clown Toy Manufacturing Company, Brooklyn, N. Y.
Filed July 5, 1951, Serial No. 616,081. Published Nov. 13, 1951. Class 22.

554,476. Liquid Bubble Blowing Compositions, Plastic Bubble Blowing Compositions, Bubble Blowing Devices, and Bubble Blowing Kits. Chemical Sundries Co., Chicago, Ill.
Filed July 21, 1951, Serial No. 616,762. Published Nov. 13, 1951. Class 22.

554,477. Liniment and Salve for External Medicinal Use. Bill Flucker, Good Water, Ala.
Filed Jan. 17, 1951, Serial No. 608,865. Published Oct. 23, 1951. Class 18.

554,478. Smoking Pipes. S. S. Pierce Co., Boston, Mass.
Filed Jan. 18, 1951, Serial No. 608,948. Published Oct. 16, 1951. Class 8.

554,479. Prefabricated Houses. Southern States Iron Roofing Company, Savannah, Ga.
Filed Jan. 26, 1951, Serial No. 609,320. Published Oct. 30, 1951. Class 12.

554,480. Electrically Heated Sealing Tools for Sealing Plastic Films. Blanchard Electric Mfg. Co., Chicago, Ill., now by change of name Sealine Manufacturing Corp.
Filed Feb. 2, 1951, Serial No. 609,530. Published Oct. 30, 1951. Class 21.

554,481. Food Preparing Machines—Namely, Slicing Machines for Slicing Meat, Etc. Globe Slicing Machine Co., Inc., Stamford, Conn.
Filed Feb. 3, 1951, Serial No. 609,592. Published Nov. 13, 1951. Class 23.

554,482. Classroom Desks and Tables. American Seating Company, Grand Rapids, Mich.
Filed Feb. 7, 1951, Serial No. 609,711. Published Nov. 13, 1951. Class 32.

554,483. Antibiotic Preparation in the Form of Tablets, Capsules, Lozenges, and Troches. White Laboratories, Inc., Newark, N. J.
Filed Feb. 7, 1951, Serial No. 609,753. Published Oct. 16, 1951. Class 18.

554,484. Perfumes, Colognes, Essences, and Aromatic Chemicals Used as Bases for Cosmetics and Toilet Preparations. Florasynth Laboratories, Incorporated, New York, N. Y., and Chicago, Ill.
Filed Feb. 9, 1951, Serial No. 609,853. Published Oct. 30, 1951. Class 51.

554,485. Gliders. The Hettrick Manufacturing Company, Toledo, Ohio.
Filed Feb. 9, 1951, Serial No. 609,859. Published Nov. 13, 1951. Class 32.

554,486. Gliders. The Hettrick Manufacturing Company, Toledo, Ohio.
Filed Feb. 9, 1951, Serial No. 609,860. Published Nov. 13, 1951. Class 32.

554,487. Closure Controlled Automatic Sprayer for Producing Insecticide, Germicide, Fungicide, or Deodorizing Aerosols. Romac Industries, Audubon, N. J.
Filed Feb. 9, 1951, Serial No. 609,883. Published Oct. 23, 1951. Class 23.

Service Marks

554,488. Distribution of Hospital Care on a Prepayment Financing Basis. American Hospital Association, Chicago, Ill.
Filed Sept. 30, 1947, Serial No. 536,214. Published Feb. 21, 1950. Class 102.

554,489. Engineering, Designing, and the Custom Molding of Products Made of Thermoplastic and Thermosetting Materials. Imperial Molded Products Corporation, Chicago, Ill.
Filed Oct. 25, 1947, Serial No. 539,058. Published Nov. 13, 1951. Class 106.

554,490. Engineering, Designing, and the Custom Molding of Products Made of Thermoplastic and Thermosetting Materials. Imperial Molded Products Corporation, Chicago, Ill.
Filed Oct. 25, 1947, Serial No. 539,059. Published Nov. 13, 1951. Class 106.

554,491. Custom Molding of Plastics. Amerpro Machine Products, Inc., Brooklyn and New York, N. Y.
Filed Feb. 10, 1948, Serial No. 549,207. Published Nov. 13, 1951. Class 106.

554,492. Distribution of Hospital Care on a Financing Basis. American Hospital Association, Chicago, Ill.
Filed Feb. 13, 1948, Serial No. 549,601. Published Feb. 21, 1950. Class 102.

554,493. Photographic Services—Namely, Taking, Developing, and Printing Photographs. School Photo Service, Inc., Kansas City, Mo.
Filed Apr. 24, 1948, Serial No. 555,567. Published Nov. 13, 1951. Class 106.

554,494. Erection and Maintenance of Master Television Antennas. Television Maintenance Master Antenna Division, Inc., New York, N. Y.
Filed July 12, 1950, Serial No. 600,556. Published Nov. 13, 1951. Class 103.

Certification Mark

554,495. Plumbing and Drainage Products—Namely, Access Covers, Etc. Plumbing and Drainage Institute, Detroit, Mich.
Filed Nov. 26, 1949, Serial No. 588,388. Published Nov. 20, 1951. Class 13.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

554,496. (Class 46. Foods and Ingredients of Foods.) Société Anonyme Petitjean, Gay & Cie, Le Pre-Saint-Germain, Seine, France. Filed Aug. 14, 1948, Serial No. 563,435.

PETITJEAN

Applicant claims ownership of French Registration No. 294,453, dated June 15, 1934.
For Canned Food—Namely, Canned Fish, Canned Vegetables, Canned Meat—Namely, Pork, Beef, Veal, Lamb, Fowl; Game—Namely, Venison, Hare, Pheasant, Partridge; and Canned Sauce for the Aforesaid.

554,497. (Class 21. Electrical Apparatus, Machines, and Supplies.) Paul R. Karnes, doing business as Karnes Sweeper Co., Marion, Ind. Original filed, act of 1946, Principal Register, Oct. 8, 1948; amended to application, Supplemental Register, Dec. 2, 1950, Serial No. 566,708.

The Karnes MARION

For Electric Vacuum Sweepers.
Claims use since Aug. 5, 1948.

554,498. (Class 19. Vehicles.) Robbins Incubator Company, Denver, Colo. Original filed, act of 1946, Principal Register, Oct. 21, 1948; amended to application, Supplemental Register, Nov. 1, 1950, Serial No. 567,433.

ROBBINS

For Boats—Namely, Boats Adapted for Use With Outboard Motors.
Claims use since June 22, 1948.

554,499. (Class 21. Electrical Apparatus, Machines, and Supplies.) Telanserphone, Incorporated, New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 6, 1949; amended to application, Supplemental Register, Nov. 19, 1951, Serial No. 571,759.

AIRCALL

For Radio Receiving Sets.
Claims use since Nov. 26, 1948.

554,500. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Mason Can Company, East Providence, R. I. Original filed, act of 1946, Principal Register, Apr. 28, 1949; amended to application, Supplemental Register, Nov. 24, 1951, Serial No. 577,895.

Masonware

For Serving Trays, Cookie Sheets, and Top of Stove Ovens Made of Metal.
Claims use since Jan. 21, 1949.

554,501. (Class 6. Chemicals and Chemical Compositions.) Doughty Research and Development Corporation, New York, N. Y., assignor to The Miracaloy Corporation, New York, N. Y., a corporation of New York. Original filed, act of 1946, Principal Register, May 12, 1949; amended to application, Supplemental Register, Mar. 27, 1951, Serial No. 578,680.



For Steel Hardening Compounds.
Claims use since Feb. 9, 1949.

554,502. (Class 6. Chemicals and Chemical Compositions.) Stauffer Chemical Company, San Francisco, Calif. Original filed, act of 1946, Principal Register, May 24, 1949; amended to application, Supplemental Register, Sept. 27, 1951, Serial No. 581,053.



The phrase "DDT Paste 50" is disclaimed.
For Insecticide Paste Including Dichloro-Diphenyl-Trichloroethane for Use as an Insecticide.
Claims use since Feb. 24, 1949.

554,503. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Herculean Appliance Corp., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 3, 1949; amended to application, Supplemental Register, Dec. 9, 1950, Serial No. 585,706.



The drawing is lined for shading.
For Toilet Seats.
Claims use since June 15, 1949.

554,504. (Class 52. Detergents and Soaps.) S. & J. W. Maussenet, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 5, 1949; amended to application, Supplemental Register, Dec. 9, 1950, Serial No. 585,803.



For Package or Kit Containing Soap and Tissue Wipers.
Claims use since Sept. 21, 1949.

554,505. (Class 21. Electrical Apparatus, Machines, and Supplies.) Aqua Electric Scale Control Incorporated, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Oct. 6, 1949; amended to application, Supplemental Register, Jan. 10, 1951, Serial No. 585,822.

Aqua Electric

For Water or Liquid Conditioners Employing Electric Current Flowing Through the Water or Liquid for Treating Same To Prevent Formation of Boiler Scale.
Claims use since Jan. 1, 1949.

554,506. (Class 46. Foods and Ingredients of Foods.) John Losero, doing business as B & B Coffee Shop, Fort Worth, Tex. Original filed, act of 1946, Principal Register, Dec. 27, 1949; amended to application, Supplemental Register, Oct. 24, 1951, Serial No. 589,978.

Losero's

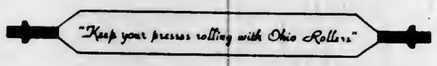
For Salad Dressing, Food Seasoning Powder Consisting of Mono Sodium Glutamate To Be Used on Meat, Fowl and Vegetable Dishes, Cocktail Sauce To Be Used on Oyster Cocktail, Shrimp Cocktails and Similar Appetizers, Chili Sauce, Tartar Sauce and Remoulade Sauce.
Claims use since Jan. 15, 1949.

554,507. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Standish Pewter Co., Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Jan. 31, 1950; amended to application, Supplemental Register, Nov. 21, 1951, Serial No. 591,753.



For Flat and Hollow Ware of Base Metal—Namely, Tea Pots, Sugar Bowls, Cream Pitchers, Coffee Pots, Bowls, Vegetable Dishes, Well and Tree Platters, Meat Platters, Trays, Porringers, Gravy Dishes, Silent Butlers, Lazy Susans, and Candy and Nut Dishes.
Claims use since Jan. 16, 1950.

554,508. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Ohio Roller Company, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Feb. 23, 1950; amended to application, Supplemental Register, Mar. 17, 1951, Serial No. 592,926.



All wording is disclaimed.

For Ink Carrying Surfaces and Rollers for Printing and Graining.

Claims use since Oct. 2, 1948.

554,509. (Class 26. Measuring and Scientific Appliances.) Chaffin Optical Co. Inc., Boston, Mass. Original filed, act of 1946, Principal Register, Mar. 4, 1950; amended to application, Supplemental Register, Nov. 19, 1951, Serial No. 593,398.

WIDE-VUE

Applicant claims ownership of Registration No. 308,114.

For Optical Frames, Mountings, and Parts Thereof, and Lenses and Blanks Therefor.

Claims use since Aug. 10, 1932.

554,510. (Class 26. Measuring and Scientific Appliances.) Kern & Co. Ltd., Aarau, Switzerland. Original filed, act of 1946, Principal Register, May 2, 1950; amended to application, Supplemental Register, Apr. 19, 1951, Serial No. 596,730.

Kern

Priority is claimed under Sec. 44(d). Swiss application filed Dec. 6, 1949. Registration No. 131,676, dated Dec. 6, 1949.

For Precision Drawing Instruments and Parts Thereof—Namely, Drawing Pens, Bow Pens, Bow Pencils, Bow Dividers, Sheath Dividers, Automatic Hatching Apparatus, Pricking Devices, Protractors, Set Squares, Bow Compasses, Spring Bow Compasses, Compasses With Wing, Engraver Compasses, Combination Compasses With Fixed Needle Points and With Detachable Legs, Beam Compasses, Reducing Compasses; Theodolites, Levelling Instruments, Binoculars, Prism Magnifying Glasses, Stroboscopes; Objective Lenses for Photographic and Cinematographic Apparatus; Polarimeters; and Apparatus for Micro-Electrophoresis for Use in Biochemistry, Physiology and Organic Chemistry.

554,511. (Class 21. Electrical Apparatus, Machines, and Supplies.) The Hearst Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, June 30, 1950; amended to application, Supplemental Register, Nov. 1, 1951, Serial No. 600,049.

SPEEDPHOTO

For Facsimile Transmitting and Receiving Apparatus.

Claims use since Apr. 15, 1950.

554,512. (Class 19. Vehicles.) Roberts Industries, Incorporated, Durham, Conn. Original filed, act of 1946, Principal Register, Sept. 28, 1950; amended to application, Supplemental Register, Oct. 30, 1951, Serial No. 604,163.

Roberts Kit-Craft

For Prefabricated Boats—Namely, Rowboats, Dinghies, Sailing Dinghies, and Outboard Runabouts.

Claims use since May 1, 1950.

554,513. (Class 21. Electrical Apparatus, Machines, and Supplies.) Sturdi-Bilt Steel Products, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 20, 1950; amended to application, Supplemental Register, Sept. 28, 1951, Serial No. 605,241.

POWR-PANL

For Plug and Switch Units for Motor Controls.

Claims use since Sept. 6, 1950.

554,514. (Class 6. Chemicals and Chemical Compositions.) Bristol Chemical Corporation, Long Island City, N. Y. Original filed, act of 1946, Principal Register, Nov. 8, 1950; amended to application, Supplemental Register, Dec. 1, 1951, Serial No. 606,070.



The words "Process" and "See and Feel the Difference" are disclaimed.

For Chemical Composition, in Vaporizable Liquid Form, Which Is Combined With the Steam, Used in the Process of Pressing Clothing To Improve the Finish and Retain the Body Thereof.

Claims use since Oct. 19, 1950.

554,515. (Class 21. Electrical Apparatus, Machines, and Supplies.) Henry R. Jahn & Son, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 21, 1950; amended to application, Supplemental Register, Nov. 9, 1951, Serial No. 606,707.

JASON

For Electric Generating Sets, Both Housed and Unhoused With Gasoline, Kerosene, or Diesel Engines.

Claims use since Oct. 17, 1950.

554,516. (Class 22. Games, Toys, and Sporting Goods.) Nestor Johnson Manufacturing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Dec. 1, 1950; amended to application, Supplemental Register, Oct. 20, 1951, Serial No. 607,182.

JOHNSON

For Playing Card Shufflers.

Claims use since June 6, 1950.

554,517. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) The Eagle Lock Company, Terryville, Conn. Original filed, act of 1946, Principal Register, Jan. 2, 1951; amended to application, Supplemental Register, Nov. 30, 1951, Serial No. 608,269.

"EVER-HANDY"

For Packaged Screw Products—Namely, Metal Screws

Claims use since Nov. 1, 1950.

554,518. (Class 25. Locks and Safes.) Radiator Specialty Company, Charlotte, N. C. Original filed, act of 1946, Principal Register, Apr. 3, 1951; amended to application, Supplemental Register, Dec. 3, 1951, Serial No. 612,178.

SAFTLOK

For Safety Latches for Preventing the Accidental Opening of Automobile Doors.

Claims use since Feb. 8, 1939.

Service Marks

554,519. (Class 106. Material Treatment.) Crest Dye Works, Inc., New York, N. Y., now by change of name Colorcraft Dye-Finishing Works Inc. Original filed, act of 1946, Principal Register, Apr. 26, 1949; amended to application, Supplemental Register, Mar. 22, 1950, Serial No. 577,710.

colordul

For Dyeing Hosiery.

Claims use since Mar. 1, 1949.

554,520. (Class 106. Material Treatment.) Colorcraft Dye-Finishing Works, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 19, 1949; amended to application, Supplemental Register, Sept. 20, 1950, Serial No. 586,522.

COLORCRAFT

For Pre-Boarding, Boarding, and Dyeing Hosiery.

Claims use since Aug. 3, 1949.

TRADE-MARK REGISTRATIONS RENEWED

37,298. SWEET LIPS. Registered Nov. 12, 1901. Thos. Kerfoot & Co., Ashton-under-Lyne, England. Re-renewed Nov. 12, 1951, to Thomas Kerfoot & Co., Limited, Bardsley, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Perfumed Lozenges. Class 46.

83,823. EX-LAX. Registered Oct. 17, 1911. Ex-Lax Mfg. Co., New York, N. Y. Re-renewed Oct. 17, 1951, to Ex-Lax, Inc., Brooklyn, N. Y., a corporation of New York. Laxative Preparation. Class 18.

84,951. EQUITY. Registered Jan. 16, 1912. Feeders' Supply Company. Re-renewed Jan. 16, 1952, to Feeders Supply and Manufacturing Company, Kansas City, Mo., a corporation of Missouri. Stock Feed. Class 46.

84,957. BIRKMYRE. Registered Jan. 16, 1912. The Gourock Ropework Company Limited, Port Glasgow, Scotland, a company incorporated under the laws of the United Kingdom of Great Britain and Northern Ireland. Re-renewed Jan. 16, 1952. Linen and Hemp Piece Goods. Class 42.

86,093. "ATLAS" AND DRAWING. Registered Apr. 9, 1912. Seaboard Rice Milling Co., Galveston, Tex. Re-renewed Apr. 9, 1952, to Comet Rice Mills, Beaumont, Tex., a corporation of Texas. Rice. Class 46.

274,895. LISBON FABRICS. Registered Sept. 9, 1930. The Farnsworth Company, Lisbon, Maine. Renewed Sept. 9, 1950, to The Cotwool Manufacturing Corporation, Wilmington, Del., a corporation of Delaware. Woolen Piece Goods. Class 42.

282,726. Daily Green Sheet. Registered Apr. 28, 1931. Triumph Distributing Co. Inc. Renewed Apr. 28, 1951, to Armstrong Daily Sports, Inc., New York, N. Y., a corporation of Delaware. Daily Publication. Class 38.

285,166. "THE ORIGINAL BABY CALF LEATHER" AND DRAWING. Registered July 14, 1931. Davis Leather Company Limited, Newmarket, Ontario, Canada, a corporation organized under the laws of Canada. Renewed July 14, 1951. Leather. Class 1.

285,888. NUSEAL. Registered Aug. 11, 1931. McCloskey Varnish Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Aug. 11, 1951. Oil Varnish. Class 16.

287,022. "LA VIVIAN" AND DRAWING. Registered Sept. 8, 1931. G. Viviano, Inc. Renewed Sept. 8, 1951, to Viviano Foods, Inc., Detroit, Mich., a corporation of Michigan. Fish Paste; Fish Products—Namely, Canned Tunuy Fish, Hors d'Oeuvre Fish Cocktail, Etc. Class 46.

287,172. FRESHIDOR. Registered Sept. 15, 1931. The Nunnally Company, Atlanta, Ga. Renewed Sept. 15, 1951, to Fine Products Corp., Augusta, Ga., a corporation of Georgia. All Kinds of Candies. Class 46.

287,523. "VITADATIO" ETC. AND DRAWING. Registered Sept. 29, 1931. S. A. Palmer Limited, Leeds, England, a share company organized under the laws of England. Renewed Sept. 29, 1951. Herbal Medicine for Human Use. Class 18.

287,535. "S & C FOOT GRACE" ETC. AND DESIGN. Registered Sept. 29, 1931. Strawbridge & Clothier, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Sept. 29, 1951. Women's and Children's Shoes Made of Leather, Etc. Class 39.

287,800. LÓ LENE. Registered Oct. 13, 1931. Hoover Hosiery Company, Concord, N. C., a corporation of North Carolina. Renewed Oct. 13, 1951. Hosiery. Class 39.

287,848. "ME DO" AND REPRESENTATION OF HAND. Registered Oct. 13, 1931. Thomas Dalby Company. Renewed Oct. 13, 1951, to Thomas Dalby, Inc., Watertown, Mass., a corporation of Massachusetts. Children's Underwear. Class 39.

287,959. PLANOPRINTING. Registered Oct. 20, 1931. The Washington Planograph Company, Inc., Washington, D. C., a corporation of Maryland. Renewed Oct. 20, 1951. Completely Printed Literature Sold to the Trade as Such—Namely, Printed Blanks, Etc. Class 38.

288,025. "HUNTINGTON PARK SIGNAL" ETC. AND DRAWING. Registered Oct. 20, 1931. Signal Publishing Corporation. Renewed Oct. 20, 1951, to Signal Publications, Huntington Park, Calif., a partnership. Newspaper Published Every Evening Except Sunday. Class 38.

288,193. LIN-O. Registered Oct. 20, 1931. B. K. Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Oct. 20, 1951. Sensitized Printing Paper. Class 26.

288,208. SPOT. Registered Oct. 20, 1931. Coast Fishing Co., Wilmington, Calif. Renewed Oct. 20, 1951, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey. Dog and Cat Food. Class 46.

288,571. KANTHAL. Registered Nov. 3, 1931. Aktiebolaget Kanthal, Stockholm and Hallstahammar, Sweden. Renewed Nov. 3, 1951, to Aktiebolaget Kanthal, Hallstahammar, Sweden, a corporation organized under the laws of Sweden. Heat Resistant Iron and Steel Alloys. Class 14.

288,674. "FETHE-FLEX" ETC. AND DESIGN. Registered Nov. 3, 1931. Adam Hat Stores, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 3, 1951. Men's Hats. Class 39.

288,982. VALESSE. Registered Nov. 10, 1931. United States Rubber Company, New York, N. Y., a corporation of New Jersey. Renewed Nov. 10, 1951. Vaginal Douches. Class 44.

289,329. BUNDYWELD. Registered Nov. 24, 1931. Bundy Tubing Company, Detroit, Mich., a corporation of Michigan. Renewed Nov. 24, 1951. Metal Tubing, Shaped Tube Lengths With and Without Fittings for Connecting Purposes Attached, Copper Welded and Coated Tube. Class 13.

290,059. FORMAY. Registered Dec. 22, 1931. Swift and Company. Renewed Dec. 22, 1951, to Swift & Company, Chicago, Ill., a corporation of Illinois. Vegetable Shortening. Class 46.

290,229. "AROMIST" AND DESIGN LINED FOR GREEN AND RED. Registered Dec. 22, 1931. T. J. Holmes Co., Inc., Chartley, Mass. Renewed Dec. 22, 1951, to Carter Products, Inc., New York, N. Y., a corporation of Maryland. Antiseptic Compound. Class 18.

290,379. PRINCESS EUGENIE. Registered Jan. 5, 1932. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 5, 1952. Wrist or Strap Watches. Class 27.

290,380. MARTHA WASHINGTON. Registered Jan. 5, 1932. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 5, 1952. Wrist or Strap Watches. Class 27.

290,534. EMPRESS EUGENIE. Registered Jan. 5, 1932. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 5, 1952. Wrist or Strap Watches. Class 27.

290,856. PRESTIGE. Registered Jan. 19, 1932. Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Renewed Jan. 19, 1952. Lead Pencils, Crayons, Pencil Leads, Lumber Leads, Pencil Point Protectors, Etc. Class 37.

290,932. MERMAID. Registered Jan. 19, 1932. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 19, 1952. Watches and Clocks. Class 27.

291,109. DELETTREZ. Registered Jan. 26, 1932. Vadsco Sales Corporation, New York and Long Island City, N. Y. Renewed Jan. 26, 1952, to Associated Brands, Inc., Brooklyn, N. Y., a corporation of New York. Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Etc. Class 51.

291,129. ESCOMO. Registered Jan. 26, 1932. The Cowles Detergent Company. Renewed Jan. 26, 1952, to Cowles Chemical Company, Cleveland, Ohio, a corporation of Ohio. Laundry Blue. Class 6.

291,647. SPONSOR. Registered Feb. 23, 1932. The Textile Mills Corporation. Renewed Feb. 23, 1952, to Adams-Millis Corporation, High Point, N. C., a corporation of North Carolina. Hosiery. Class 39.

291,842. O-GEE! Registered Feb. 23, 1932. H. P. Garin Co., San Francisco, Calif. Renewed Feb. 23, 1952, to The Garin Company, Salinas, Calif., a corporation of California. Fresh Vegetables—Namely, Fresh Lettuce. Class 46.

291,891. REPRESENTATION OF TRUNK WITH ALTERNATE LIGHT AND BROWN STRIPES. Registered Feb. 23, 1932. Hartmann Trunk Company. Renewed Feb. 23, 1952, to Hartmann Company, Racine, Wis., a corporation of Wisconsin. Wardrobe Trunks, Taxi and Steamer Trunks, Etc. Class 3.

292,422. WOODTEX. Registered Mar. 15, 1932. Certain-teed Products Corporation, New York, N. Y. Renewed Mar. 15, 1952, to Certain-teed Products Corporation, Ardmore, Pa., a corporation of Maryland. Protective Siding for Buildings, Walls, Etc. Class 12.

292,461. RITEWELL. Registered Mar. 15, 1932. Blake, Moffitt & Towne, San Francisco, Calif., a corporation of California. Renewed Mar. 15, 1952. Mimeograph Paper. Class 37.

292,497. PINE-TREL. Registered Mar. 15, 1932. American Turpentine & Tar Company, Ltd., New Orleans, La., a corporation of Louisiana. Renewed Mar. 15, 1952. Fly Repellent and Soothing Wound Dressing. Class 18.

292,473. DENSITE. Registered Mar. 15, 1932. Certain-teed Products Corporation, New York, N. Y. Renewed Mar. 15, 1952, to Certain-teed Products Corporation, Ardmore, Pa., a corporation of Maryland. Plaster of Calcined Gypsum for Making Casts and Moulds for Dental Purposes. Class 44.

292,624. "ART-BRIC" WITH HEAVY UNDERLINE. Registered Mar. 22, 1932. Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts. Renewed Mar. 22, 1952. Flexible Mineral-Surfaced Asphalt-Saturated Felt Siding. Class 12.

292,757. GLIDER. Registered Mar. 29, 1932. Fillmore Citrus Association, Fillmore, Calif., a corporation of California. Renewed Mar. 29, 1952. Fresh Citrus Fruits. Class 46.

292,796. PIONEER. Registered Mar. 29, 1932. Horton Manufacturing Company, Fort Wayne, Ind., a corporation of Indiana. Renewed Mar. 29, 1952. Laundry Washing Machines. Class 24.

292,819. THEO-NITRAL. Registered Mar. 29, 1932. William R. Warner & Co., Inc. Renewed Mar. 29, 1952, to Bobst Pharmacal Co., Inc., New York, N. Y., a corporation of New York. Medicinal Preparation Used in the Treatment of Conditions of the Vascular System and Also as a Diuretic. Class 18.

292,869. SIVAM. Registered Mar. 29, 1932. V. Vivaudou, Inc., New York and Long Island City, N. Y. Renewed Mar. 29, 1952, to The Nestle-LeMur Company, New York, N. Y., a corporation of Ohio. Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Etc. Class 51.

292,998. CP-12. Registered Apr. 5, 1932. Magnolia Metal Company, New York, N. Y. Renewed Apr. 5, 1952, to Magnolia Metal Company, Elizabeth, N. J., a corporation of West Virginia. Bearing Alloys. Class 14.

293,073. "COL-O-TEC" AND DRAWING. Registered Apr. 5, 1932. Western Auto Supply Company, Kansas City, Mo., a corporation of Missouri. Renewed Apr. 5, 1952. Linseed Oil, Turpentine, Paint and Enamel Coloring, Pigments, Wood Stain, Etc. Class 16.

293,155. THE GREATEST NAME. Registered Apr. 12, 1932. American Woolen Company, New York, N. Y., and Boston, Mass. Renewed Apr. 12, 1952, to American Woolen Company, New York, N. Y., a corporation of Massachusetts. Woolen Piece Goods. Class 42.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

195,714. "CARTER" AND DESIGN. Registered Mar. 3, 1925. Ralph B. Carter Company, New York, N. Y. Pumps of All Kinds and Parts Thereof, Internal-Combustion Engines and Parts Thereof. Class 23. Amended as follows: In the statement, line 12, after "thereof," *excluding the parts of the fuel supply system of internal combustion engines* is inserted.

264,756. "BRYN MAWR" AND DRAWING. Registered Dec. 3, 1929. Gus Edelstein Bro. & Co., New York, N. Y. Men's, Women's, and Children's Hosiery and Underwear Made of Knitted, Netted, and Textile Fabrics and/or Combinations Thereof. Class 39. Amended as follows: In the statement, lines 11, 12, 13, and 14, "and underwear made of knitted, netted, and textile fabrics and/or combinations thereof" is deleted.

280,435. DUROMIT. Registered Feb. 17, 1931. The American Fluresit Company, Cincinnati, Ohio. Mined Raw Material Classified as Quartz Sand. Class 1. Corrected as follows: In the renewal certificate, line 2, "The" should be deleted.

281,675. REPRESENTATION OF TRIDENT. Registered Mar. 24, 1931. Neptune Meter Company, New York, N. Y. Meters for Measuring Liquids. Class 26. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "New York" should be *New Jersey*.

319,286. FLEXIBLES. Registered Nov. 20, 1934. Rollins Hosiery Mills, Inc., Des Moines, Iowa. Hosiery. Class 39. Corrected as follows: In the certificate, line 3, second occurrence; and in the statement, line 2, "Iowa" should be *Delaware*.

550,269. CITATION. Registered Oct. 30, 1951. Marine Craft of America, Chicago, Ill. Sporting Goods and Equipment—Namely, Golf Balls. Class 22. Corrected as follows: In the certificate, lines 2 and 13; in the heading to the statement; in line 1 of the statement; and in the printed signature, "Marine Craft of America" should be *Marine Craft Corporation of America*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

341,567. "HICK'RY PIT." Registered Dec. 15, 1936. Henry J. Hirschenfeld, doing business as The Hick'ry Pit. Prepared and Barbecued Spareribs. Class 46. New certificate under section 7(c) issued Feb. 5, 1952, to Hick'ry Pit Enterprises, Inc., Oakland, Calif., a corporation of California.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 84,416. Registered Dec. 12, 1911. Standard Oil Company, Whiting, Ind., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

KORITE

For Petroleum-Pitch.
Claims use since Jan. 1, 1909.

Reg. No. 93,770. Registered Oct. 14, 1913. Standard Oil Company, Whiting, Ind., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

PAROLITE

For Petroleum-Pitch.
Claims use since the month of January, 1905.

Reg. No. 436,150. Registered Jan. 27, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

INDOPOL

For Butylene Polymers for Use as Components of Paint, Resin, Adhesives, and Rubber Compositions and Chemical Raw Materials.
Claims use since Apr. 10, 1946.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Reg. No. 121,016. Registered Mar. 19, 1918. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

FINOL

For Cleaning and Polishing Oil.
Claims use since Nov. 23, 1916.

Reg. No. 444,038. Registered June 13, 1950. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address, Chicago, Ill.



For Polish or Gloss for Cleaning and Polishing Automobile Bodies and the Like, and a Polish or Gloss for Cleaning, Brightening, and Polishing All Kinds of Furniture and Finished Woodwork.
Claims use since Jan. 29, 1947.

Reg. No. 444,047. Registered June 20, 1950. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.



For Harness Oils, Belt Dressings, Metal Polish, or Gloss for Cleaning, Brightening, or Polishing All Kinds of Metal-Finished Surfaces, and for Dry Cleaning Fluids.
Claims use since Jan. 29, 1947.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 172,712. Registered Sept. 11, 1923. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address, Chicago, Ill.

STANOLIND

For Petrolatum.
Claims use since Mar. 13, 1913.

Reg. No. 193,535. Registered Dec. 30, 1924. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address, Chicago, Ill.

BOVINOL

For Petroleum Oil for Spraying Livestock.
Claims use since Aug. 20, 1923.

Reg. No. 430,251. Registered June 10, 1947. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

INDONEX

For Plasticizers for Rubber and Other Elastomers or Plastics.
Claims use since Feb. 1, 1946.

Reg. No. 432,401. Registered Sept. 2, 1947. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

INDOIL

For Petroleum Sulfonates, Viscous Oil-Soluble Liquids for Use as Emulsifying Agents, Solubilizing, Wetting, and Dispersion Agents, Plasticizers, Rust Preventives, De-Inking Compositions, Fat Splitting and Soluble Oils.
Claims use since Jan. 28, 1946.

Reg. No. 434,508. Registered Nov. 18, 1947. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

STANOLIND

For Insecticides.
Claims use since Nov. 19, 1936.

Reg. No. 441,806. Registered Jan. 4, 1949. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

DENDROL

For Insecticides.
Claims use since Dec. 13, 1926.

Reg. No. 442,572. Registered Apr. 26, 1949. (Classified in Class 18.) Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chinago, Ill.



For Mineral Oils for Medicinal Purposes, and Insecticides.
Claims use since Apr. 1, 1946.

Reg. No. 444,047. Registered June 20, 1950. (Classified in Class 4.) Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.



For Harness Oils, Belt Dressings, Metal Polish, or Gloss for Cleaning, Brightening, or Polishing All Kinds of Metal-Finished Surfaces, and for Dry Cleaning Fluids.
Claims use since Jan. 29, 1947.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 93,566. Registered Sept. 23, 1913. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

STANOLITE

For Asphalt.
Claims use since Apr. 13, 1913.

Reg. No. 169,351. Registered June 12, 1923. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

STANOLIND

For Asphalt and Paving Filler.
Claims use since Mar. 13, 1913.

Reg. No. 287,381. Registered Sept. 22, 1931. Chicago Mill and Lumber Corporation, Chicago, Ill. Republished by Chicago Mill and Lumber Company, Chicago, Ill., a corporation of Delaware.



For Rough and Finished Lumber.
Claims use since about the year 1900.

Reg. No. 436,759. Registered Feb. 17, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.



For Asphalt.
Claims use since June 9, 1947.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 80,086. Registered Nov. 1, 1910. Joseph Sankey & Sons, Ltd., Bilston, England, a corporation organized under the laws of Great Britain. Republished by registrant.



For Iron and Steel Blooms, Billets, Bars, and Sheets.
Claims use since May 1906.

Reg. No. 323,616. Registered Apr. 23, 1935. Metals Refining Company, Hammond, Ind. Republished by Metals Refining Company Inc., Hammond, Ind., a corporation of Indiana.

MRCO

For Pig Lead and Lead Alloys.
Claims use since Jan. 1, 1920.

Reg. No. 414,613. Registered June 19, 1945. National Steel Corporation, Wilmington, Del., and Pittsburgh, Pa., a corporation of Delaware. Republished by registrant, present address Pittsburgh, Pa.

Weirzin

For Zinc Coated Ferrous Base Sheets and Strip.
Claims use since Jan. 28, 1944.

CLASS 15

OILS AND GREASES

Reg. No. 91,522. Registered May 6, 1913. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

STANOLEX

For Engine-Oil, Turbine-Oil, Transformer-Oil, and Gas-Engine Oil.
Claims use since Sept. 10, 1912.

Reg. No. 92,839. Registered July 29, 1913. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

GYLVALETTE

For Cylinder-Oil, Engine-Oil, and Gas-Engine Oil.
Claims use since Sept. 10, 1912.

Reg. No. 95,169. Registered Feb. 3, 1914. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

STANOLIND

For Gas-Engine Tractor-Oil.
Claims use since Mar 13, 1913.

Reg. No. 105,504. Registered July 27, 1915. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

-FORTNITE-

For Kerosene-Oil.
Claims use since on or about Dec. 29, 1914.

Reg. No. 128,177. Registered Dec. 23, 1919. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address, Chicago, Ill.

FiNoL

For Lubricating Oils.
Claims use since Nov. 23, 1916.

Reg. No. 136,646. Registered Nov. 2, 1920. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

THIO

For Cutting-Oil.
Claims use since on or about Feb. 1, 1920.

Reg. No. 168,756. Registered May 29, 1923. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

STANOLIND

For Gasoline, Candles, Liquid Paraffin, and Lubricating Oils and Greases.
Claims use since Mar. 13, 1913.

Reg. No. 177,894. Registered Jan. 1, 1924. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

ROLY CHROME

For Candles.
Claims use since May 5, 1921.

Reg. No. 177,895. Registered Jan. 1, 1924. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

TUDOR

For Candles.
Claims use since Apr. 17, 1922.

Reg. No. 179,749. Registered Feb. 12, 1924. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

STANOLIND

For Candles.
Claims use since May 13, 1913.

Reg. No. 196,872. Registered Mar. 31, 1925. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

VICTORY

For Candles.
Claims use since Oct. 13, 1924.

Reg. No. 197,047. Registered Apr. 7, 1925. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

BōKAY

For Candles.
Claims use since Nov. 6, 1924.

Reg. No. 197,065. Registered Apr. 7, 1925. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

MONOLITH

For Candles.
Claims use since Oct. 15, 1924.

Reg. No. 199,786. Registered June 16, 1925. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

VICTORY TWIST

The word "Twist" is disclaimed apart from the mark as claimed.
For Candles.
Claims use since Oct. 13, 1924.

Reg. No. 210,867. Registered Mar. 23, 1926. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

SYNCERA

For Petroleum Wax.
Claims use since Nov. 13, 1925.

Reg. No. 213,586. Registered June 1, 1926. Independent Oil and Gas Company, Tulsa, Okla. Republished by Standard Oil Company, Chicago, Ill., a corporation of Indiana.

IndOlene

For Gasoline, Kerosene, and Other Liquid Motor Fuel.
Claims use since May 1925.

Reg. No. 219,365. Registered Oct. 19, 1926. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

Iso-Vis

For Lubricating Oils.
Claims use since May 26, 1926.

Reg. No. 223,708. Registered Feb. 8, 1927. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.



For Candles and Candle Bases, Paraffin Wax, Gasoline, Kerosene, and Lubricating Oils and Lubricating Greases.
Claims use since June 21, 1926.

Reg. No. 248,399. Registered Oct. 23, 1928. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.



The drawing is lined for blue and red.
For Lubricating Oils.
Claims use since Aug. 15, 1927.

Reg. No. 286,188. Registered Aug. 18, 1931. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

STANORUST

For Rust Preventing Oils and Greases.
Claims use since Mar. 17, 1931.

Reg. No. 287,741. Registered Oct. 6, 1931. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

Stanocyl

For Lubricating Oils and Greases.
Claims use since Mar. 28, 1931.

Reg. No. 295,925. Registered July 19, 1932. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

STANOGEAR

For Lubricating Oils and Greases.
Claims use since Jan. 19, 1932.

Reg. No. 321,906. Registered Feb. 19, 1935. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

POUREX

For Lubricating Oils, Oil Compounds for Pour Point Depressors for Lubricating Oils, Oil Compounds for Filter Aids, and Oil Compounds for Reducing Cold Tests and Viscosity in Oils and for Controlling Wax Crystallization in Oils.
Claims use since Nov. 22, 1933.

Reg. No. 434,832. Registered Dec. 9, 1947. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.



For Lubricating Oils for Nonmedicinal Purposes.
Claims use since Jan. 10, 1946.

Reg. No. 439,125. Registered June 1, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

CONIFER

For Candles.
Claims use since June 23, 1938.

Reg. No. 439,127. Registered June 1, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

STANODRIP

For Lubricating Oils.
Claims use since Feb. 7, 1939.

Reg. No. 439,128. Registered June 1, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

STANOLEX

For Fuel Oils for Heating, Illuminating, and Power.
Claims use since May 1, 1932.

Reg. No. 439,129. Registered June 1, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

STANOSTAMP

For Lubricating Oils.
Claims use since Aug. 5, 1931.

Reg. No. 439,131. Registered June 1, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

WAYSIDE

For Candles.
Claims use since Nov. 27, 1933.

Reg. No. 439,934. Registered July 27, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

INDOCYL

For Lubricating Oil.
Claims use since June 6, 1946.

Reg. No. 439,935. Registered July 27, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

INDOSOLVENT

For Naphtha.
Claims use since Apr. 8, 1946.

Reg. No. 439,936. Registered July 27, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

INDOVIS

For Lubricating Oils.
Claims use since Apr. 25, 1944.

Reg. No. 440,010. Registered Aug. 3, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

twi-lite

The term "Lite" is disclaimed apart from the mark as shown.
For Candles.
Claims use since Dec. 22, 1936.

Reg. No. 440,027. Registered Aug. 3, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

INDOIL

For Lubricating Oils.
Claims use since Jan. 9, 1940.

Reg. No. 440,028. Registered Aug. 3, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

INDOLUBE

For Lubricating Oils.
Claims use since Feb. 28, 1946.

Reg. No. 443,855. Registered Mar. 21, 1950. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.



For Petroleum and Products of Petroleum With or Without Admixtures of Other Substances for Lubricating, Greasing, Heating, Power, Burning, Illuminating, Cutting, Tempering, Quenching, Flushing, Cleaning, and Rust Preventing; Mineral Wax, and Candles.
Claims use since January 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 293,736. Registered May 3, 1932. Benjamin Franklin Davis, doing business as Art-Cement Mfg. Co., Miami, Fla. Republished by Art-Cement Manufacturing Co., Miami, Fla., a corporation of Florida.

GALVOLITE

For Paints in Dry Powdered Form.
Claims use since July 1930.

Reg. No. 364,678. Registered Feb. 14, 1939. Ace Paint Products Co., Chicago, Ill. Republished by Simon B Green, Chicago, Ill.



The word "Fine" is disclaimed apart from the mark as shown.
For Ready Mixed Paints and Varnishes.
Claims use since May 19, 1932.

Reg. No. 440,544. Registered Sept. 14, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

INDOIL

For High-Boiling Aromatic Oils and Their Fractions for Use as Liquid Petroleum Solvents and Plasticizers as Ingredients in the Manufacture of Paints and Varnishes.
Claims use since Jan. 29, 1946.

Reg. No. 440,951. Registered Oct. 12, 1948. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

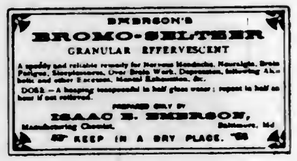
INDOCENE

For High-Boiling Aromatic Oils and Their Fractions, Used as Solvents and Thinners in Oleo-Resinous Paints, Varnishes, and Enamels.
Claims use since Jan. 29, 1946.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 16,599. Registered May 21, 1889. Isaac E. Emerson, Baltimore, Md. Republished by The Emerson Drug Company of Baltimore City, Baltimore, Md., a corporation of Maryland.



For Granular Effervescent Salt for the Cure of Headache, Nervousness, Etc.
Claims use since Jan. 15, 1889.

Reg. No. 272,464. Registered July 8, 1930. Mon Docteur Importing Co., Inc., Middlefield, Conn. Republished by Dainty Maid, Inc., Middlefield, Conn., a corporation of Connecticut.



For Medication for Antiseptic Purposes.
Claims use since Dec. 6, 1929.

Reg. No. 442,572. Registered Apr. 26, 1949. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.



For Mineral Oils for Medicinal Purposes, and Insecticides.
Claims use since Apr. 1, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 79,791. Registered Oct. 4, 1910. Joseph Sankey & Sons, Ltd., Bilston, England, a corporation organized under the laws of Great Britain. Republished by registrant.



For Sheet-Metal Transformer and Dynamo Plates.
Claims use since May 1906.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 312,713. Registered May 8, 1934. Nicholas P. Courtney, New York, N. Y. Republished by registrant.

LEV-A-LIFT

For Device for Opening Cans or Like Receptacles.
Claims use since Aug. 7, 1933.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 287,315. Registered Sept. 22, 1931. International Projector Corporation, New York, N. Y., a corporation of Delaware. Republished by registrant, present address Bloomfield, N. J.

POCKETTE

The name "Pocket" is disclaimed apart from the mark as shown.
For Cameras and Parts Thereof and Accessories Thereto, Combinations of Picture Recording and Sound Recording Apparatus, Combinations of Picture Reproducing and Sound Reproducing Apparatus, Combinations of Sound Recording Apparatus and View Reproducing Apparatus, and Any and All Combinations of Sound Picture Recording and Reproducing Apparatus for Entertainment, Educational, and Industrial Purposes.
Claims use since about Mar. 30, 1931.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 277,478. Registered Nov. 11, 1930. Izaak Walton League of America, Inc., Chicago, Ill., a corporation of Illinois. Republished by registrant.



For Monthly Publication.
Claims use since August 1929.

CLASS 39

CLOTHING

Reg. No. 367,379. Registered May 16, 1939. Portage Hosiery Company, Portage, Wis., a corporation of Wisconsin. Republished by registrant.



For Athletic Socks, Hosiery, and Mittens Made of Knitted Fabric.
Claims use since Apr. 8, 1939.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 289,717. Registered Dec. 1, 1931. J. E. Hanger, Inc., Washington, D. C., a corporation of Delaware. Republished by registrant.



The words "Artificial Limbs" and the representations of artificial limbs are disclaimed apart from the mark as shown.
For Artificial Limbs.
Claims use since Mar. 5, 1928.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 439,183. Registered June 8, 1948. The Flying Chicken, Albuquerque, N. Mex. Republished by Jack Christiansen, doing business as The Flying Chicken, Glendale, Calif.

The Flying Chicken

The word "Chicken" is disclaimed apart from the mark as shown.
For Packaged Cooked Chicken.
Claims use since Mar. 17, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE

Reg. No. 395,555. Registered June 2, 1942. Double Duty Products, Inc., Cleveland, Ohio. Republished by Products Packaging, Inc., Cleveland, Ohio, a corporation of Ohio.

FLEXI-CAP

The word "Cap" is disclaimed apart from the mark as shown.
For Closure Caps for Various Containers.
Claims use since Sept. 1, 1940.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 121,016. Registered Mar. 19, 1918. (Classified in Class 4.) Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.



For Cleaning and Polishing Oil.
Claims use since Nov. 23, 1916.

Reg. No. 218,776. Registered Oct. 5, 1926. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

STANISOL

For Dry-Cleaning Fluid.
Claims use since Apr. 7, 1926.

Reg. No. 253,627. Registered Mar. 5, 1929. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.

IANA

For Hydrocarbon Cleaning Fluid.
Claims use since Aug. 15, 1928.

Reg. No. 444,047. Registered June 20, 1950. (Classified in Class 4.) Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Republished by registrant, present address Chicago, Ill.



For Harness Oils, Belt Dressings, Metal Polish, or Gloss for Cleaning, Brightening, or Polishing All Kinds of Metal-Finished Surfaces, and for Dry Cleaning Fluids.
Claims use since Jan. 29, 1947.

PLANT PATENTS

GRANTED FEBRUARY 5, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,071
HYBRID TEA ROSE PLANT
Frank C. Raffel, Stockton, Calif.
Application October 21, 1950, Serial No. 191,348
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant, substantially as described and illustrated, characterized, in comparison to the Charlotte Armstrong, by flowers having rose red petals distinctly striped pink to pinkish white, with yellow at the base of the petals; and further distinguished by buds and flowers which are more perfect in form when grown in a cool, damp climate, and by greater resistance to fading or discoloration under such conditions of growth; the plant being bush type, vigorous, and having leaves narrower than those of the Charlotte Armstrong.

PATENTS

GRANTED FEBRUARY 5, 1952

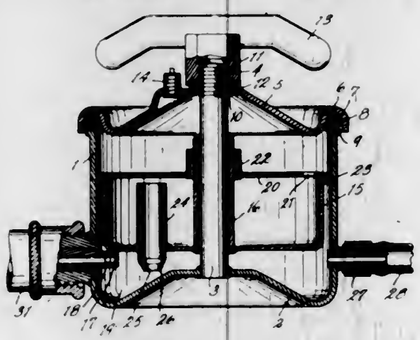
2,584,102
SUPPORTED PHOSPHORIC ACID CATALYST AND ITS PREPARATION
Julian M. Mavity, Hinsdale, Ill., assignor to Universal Oil Products, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 17, 1949, Serial No. 121,907
12 Claims. (Cl. 252—435)

1. A process for improving the catalytic activity of a calcined composite of an acid of phosphorus and a solid supporting material which comprises treating said composite with from about 1 to about 10% by weight of a volatile halogen compound of phosphorus selected from the group consisting of phosphorus pentachloride, phosphorus oxychloride and phosphorus trichloride, and further calcining the resultant composite at a temperature of from about 100° to about 550° C. to form a solid catalytic material with greater hydrocarbon conversion activity than that of the original calcined composite of phosphoric acid and carrier.

2,584,103
ALKYLATION OF AROMATIC HYDROCARBONS
Herman Pines and Vladimir N. Ipatieff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 16, 1949, Serial No. 105,266
14 Claims. (Cl. 260—671)

1. A process for producing alkylated aromatic hydrocarbons which comprises reacting an aromatic hydrocarbon having a replaceable nuclear hydrogen atom with an olefin-acting compound at alkylating conditions in the presence of a preformed reaction product of alumina with a hydrogen halide, said reaction product containing from about 0.5% to about 30% by weight of halogen chemically combined with the alumina.

2,584,104
SOLUTION MIXER AND DISTRIBUTOR
Irving E. Aske, Muskegon, Mich.
Application September 3, 1948, Serial No. 47,736
13 Claims. (Cl. 299—83)

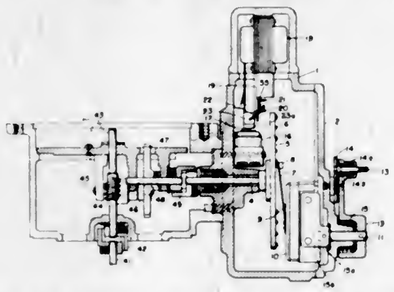


2. In an apparatus of the class described the combination of a cylindrical tank provided with a centrally positioned post, a receptacle having a central open ended tube projecting upwardly from the bottom thereof and loosely engageable over said post, a cover for said receptacle provided with an upwardly projecting central collar loosely embracing said tube on said receptacle with the upper end of the collar below the top of the tube, the cover being provided with an opening in a plane below the upper end of the collar, a tubular discharge for said receptacle disposed with its upper end adjacent the top of the receptacle and its lower end projecting below the bottom of the receptacle and terminating in a relatively restricted discharge opening surrounded by a thin edge, a water supply nozzle projecting into said tank and having a laterally directed discharge acting to induce a swirling movement of the water in said tank below the receptacle, the receptacle being of such dimension as to permit water to pass therearound upwardly into the tank above the receptacle, the nozzle constituting a support for said receptacle, and a valved discharge for said tank communicating therewith below the bottom of the receptacle.

2,584,105
INSECT REPELLENTS
Paul D. Bartlett, Weston, Mass., and Blaine C. McKusick, Wilmington, Del., assignors to the United States of America as represented by the Secretary of the Army
No Drawing. Application January 7, 1949, Serial No. 69,837
6 Claims. (Cl. 167—30)

2. An insect-repellent composition comprising dimethyl-hexahydrophthalate in an inert non-gaseous organic carrier.

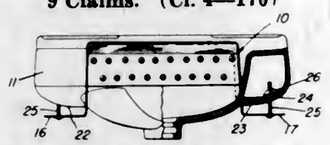
2,584,106
TIMER
George E. Batchelder, Pittsburgh, Pa., and William E. Macneil, Dorchester, Mass., assignors to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 12, 1946, Serial No. 715,886
5 Claims. (Cl. 175—335)



1. In an electric timing system for the periodic energization of a motor device responsive to the flow of electric current, an electric circuit including in series arrangement a voltage source, a motor device responsive to the flow of electric current, a first switch having a single

contact normally biased to open position, a second switch having two contacts one of which is connected to said first switch and a switch arm normally biased to engage said one contact and connect it to said voltage source but movable to disengage said one contact and to engage the other of said two contacts and connect it to said voltage source; an electromotive device having one connection to one side of said voltage source and another connection to the other side of said voltage source through said other contact in said second switch when said other contact is engaged by said switch arm; a power driven device operable to momentarily shift said switch arm from its biased engagement with said one contact into engagement with the other of said two contacts in the second switch at a rate proportional to the speed of said power driven device; and means connecting said electromotive device to said first switch and effective to close said first switch in response to the energization of said electromotive device, said last named means also being operable to open said first switch after said power driven device has released said switch arm and said switch arm has reengaged said one contact.

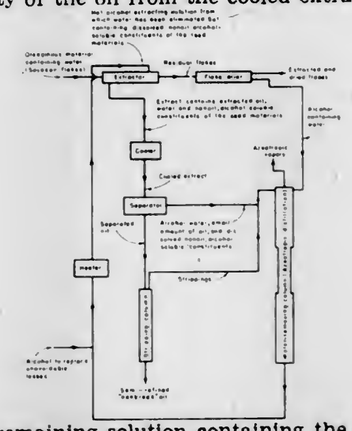
2,584,107
LAVATORY HANGER
James R. Beam, New Castle, Pa., assignor to Universal-Rundle Corporation, New Castle, Pa., a corporation of Delaware
Application July 14, 1949, Serial No. 104,759
9 Claims. (Cl. 4—170)



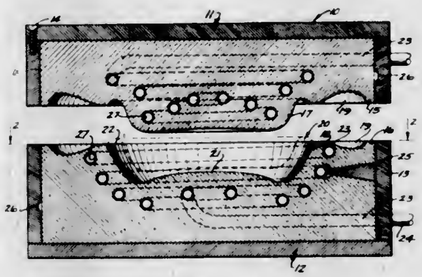
1. A hold-down hanger for a lavatory or the like comprising a central portion, and integral side portions turned outwardly and downwardly from each end of said central portion, each of said side portions having an end turned outwardly thereof, said central portion being perforated to accommodate screws or the like for attaching the hanger to a wall and having an upper outwardly-turned longitudinal flange for hanging a lavatory or the like thereon, and the end of each of said side portions having a hole therein through which a bolt may project for holding the lavatory or the like down upon the hanger.

2,584,108
PROCESS FOR THE CONTINUOUS RECYCLING OF AN ALCOHOLIC OIL SOLVENT IN OIL EXTRACTION
Arthur C. Beckel and John C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture
Application November 9, 1948, Serial No. 59,122
4 Claims. (Cl. 260—412.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A continuous process of separating oil from oleaginous seed material containing water, comprising continuously feeding the material into an extractor and continuously extracting it with an extracting solution comprising alcohol sufficiently concentrated to have good oil solvent characteristics, and dissolved, nonoil, alcohol-soluble constituents of the material, at a temperature sufficiently high to dissolve substantial quantities of the oil from the material into the extracting solution, whereby the resulting extract will contain in solution the extracted oil, water removed from the material, and nonoil, alcohol-soluble constituents of the material; continuously cooling the extract to cause separation of the oil therefrom; continuously separating a substantial quantity of the oil from the cooled extract leaving a remaining solution containing the alcohol, water, and the nonoil, alcohol-soluble constituents; continuously recovering the separated oil; continuously eliminating water from the remaining solution leaving an extracting solution corresponding to the extracting solution first mentioned; and continuously recycling this extracting solution to the extractor for extracting the material.

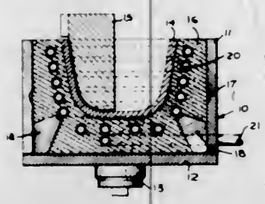


2,584,109
MOLD AND METHOD FOR MOLDING CERAMIC WARE
Andrew R. Blackburn and Richard E. Steele, Columbus, Ohio, assignors to Ram, Inc., Detroit, Mich.
Application March 12, 1947, Serial No. 734,174
7 Claims. (Cl. 25—129)



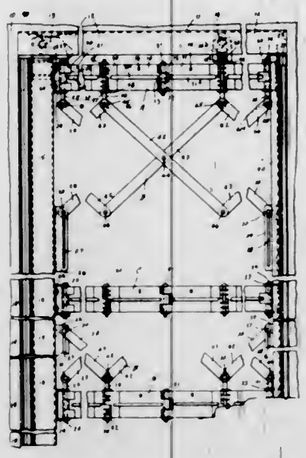
3. Apparatus for the manufacture of asymmetrically shaped pottery ware of varying thickness comprising cooperable means for shaping a wet clay mass to form a clay object, at least one of said cooperable means comprising a porous mold having a contoured face for receiving and forming a face of the asymmetrically shaped object, and means in said porous mold for applying fluid pressure against the face of the object adjacent the mold face to remove the object therefrom, said fluid pressure means having portions positioned closer to the mold surface opposite thicker portions of the ware body to provide pressure at points along the said object face controlled in degree in accordance with the relative thickness of the object at said point.

2,584,110
MOLD FOR POTTERY WARE
Andrew R. Blackburn and Richard E. Steele, Columbus, Ohio, assignors to Ram, Inc., Detroit, Mich.
Application March 27, 1947, Serial No. 737,544
5 Claims. (Cl. 25—129)



1. A mold comprising a porous mold body having a molding face and fluid pressure supply means embedded within the permeable body and extending therethrough to provide a source of fluid pressure extending opposite all portions of the mold face, selected portions of the fluid supply means being more deeply embedded in the porous mold body than other portions to modify the fluid pressure emanating from the mold face opposite the said selected portions, thereby providing a controlled fluid pressure flow characterized by selected areas of relatively high and low fluid pressure emanating from the molding face.

2,584,111
FOLDABLE CLOSURE
Ray A. Brenner and Marvin J. Planeaux, New Castle, Ind., assignors, by mesne assignments, to New Castle Products, Inc., New Castle, Ind., a corporation
Application August 27, 1945, Serial No. 612,816
15 Claims. (Cl. 160—84)

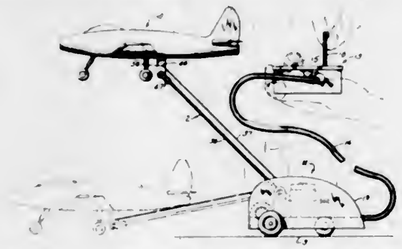


6. In a foldable closure having a lead post structure and a parallel rear post structure, the combination of a horizontally collapsible series of articulated rigid members disposed in a horizontal zone, secured at opposite ends to the structures, and a horizontally collapsible series of articulated rigid members disposed in a vertical zone operatively secured to the series disposed in a horizontal zone and collapsible and extensible therewith.

2,584,112
ORGANIC PHOSPHINES
Herbert C. Brown, West Lafayette, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application August 30, 1950, Serial No. 182,413
19 Claims. (Cl. 260—607)

1. A process for producing an organic phosphine which comprises contacting an olefin with phosphine and a strong non-oxidizing acid catalyst under reaction conditions of temperature and pressure.

2,584,113
EDUCATIONAL APPARATUS FOR SIMULATING THE OPERATION OF AIRCRAFT
Joseph E. Butler, Bethesda, Md., assignor to Airtoys, Inc., Bethesda, Md., a corporation of Maryland
Application March 6, 1950, Serial No. 147,848
19 Claims. (Cl. 35—12)

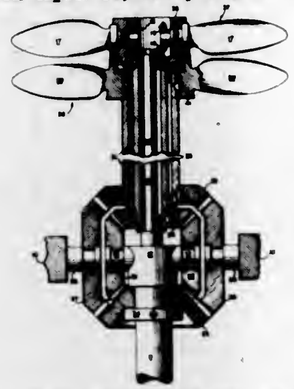


1. In apparatus of the class described, a crab adapted for steerable movement on a horizontal surface, supporting means extending from the crab and movable relative to the crab in a vertical plane, a model aircraft, means for mounting the aircraft on the extended end of the supporting means, means for moving the supporting means in said vertical plane so that the aircraft may be elevated between the horizontal surface and predetermined heights above the surface, means including the supporting means for banking the aircraft relative to the crab, means to propel the crab, means including control means connected to steer the crab, and means interconnecting the crab steering means and the banking means whereby the bank of the aircraft is coordinated with the steering of the crab on the horizontal surface.

2,584,114
METHOD OF MAKING PARTIALLY CARBOXYMETHYLATED OR PHOSPHORYLATED CELLULOSIC FIBROUS MATERIALS CREASE RESISTANT AND DYE RESISTANT
George C. Daul and John D. Reid, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application April 14, 1950, Serial No. 156,032
7 Claims. (Cl. 117—139.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

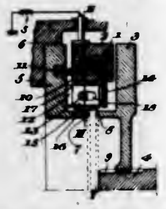
5. The process of making a crease-resistant, dye-resistant cellulosic fibrous textile from cellulosic fibrous textile material in which a portion of the hydrogens of the —OH groups are substituted by radicals having a substituent group taken from the class consisting of free acid radicals and of such acid radicals neutralized by ammonia, which comprises: impregnating the said substituted cellulosic fibrous textile material with a polymerizable substance of the group consisting of melamine-formaldehyde and urea-formaldehyde, and heating to polymerize the substance in the absence of added acidic catalyst.

2,584,115
TORQUE EQUALIZER FOR COUNTER-ROTATING PROPELLERS
Theodore E. Dinsmoor, Silver Spring, Md.
Application March 16, 1948, Serial No. 15,174
12 Claims. (Cl. 170—135.28)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



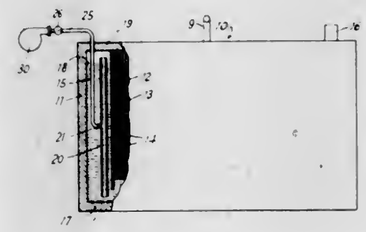
1. A propeller driving system for a torpedo comprising, in combination, a pair of propellers, one of said propellers having variable pitch blades, a pair of coaxially disposed propeller shafts individual to said pair of propellers, a drive shaft coaxially arranged with respect to said propeller shafts and having a speed changing shaft connected coaxially thereto and extending within said propeller shafts, driving connections including differential gearing between said drive shaft and said pair of propeller shafts for driving the propellers in opposite directions and at the speed of the drive shaft when the propellers have equal torques applied thereto, one of the propeller shafts being driven in same direction as the drive shaft, and gear connections between said variable pitch blades and the speed changing shaft and responsive to a difference in speed of rotation between the drive shaft and said one of the shafts due to unequal torque on the propellers for adjusting the pitch of the blades sufficiently to equalize the torques on the propellers thereby to bring the speed of said one of the propellers into conformity with the speed of rotation of the drive and speed changing shafts.

2,584,116
ELECTROMAGNETIC SYNCHRONIZER
Georges Duyck, Tanger, Morocco
Application April 2, 1948, Serial No. 18,638
In France October 22, 1947
11 Claims. (Cl. 192—53)



1. A synchronous coupling device between two relatively rotatable members which comprises in combination: two magnetic armatures each rigid in rotation with one of said members and cooperating coupling means on each of said armatures, electro-magnetic means adapted when energized to axially displace at least one of said armatures to cause synchronization and to cause coupling of said cooperating means, blocking means for retarding said coupling axial displacement of said armature until said members are rotating at the same speed, and means for energizing said electro-magnetic means.

2,584,117
CIRCULATION OF CELL ELECTROLYTE
Harold G. Elrod, Jr., Alliance, Ohio, assignor to The Babcock & Wilcox Company, Jersey City, N. J., a corporation of New Jersey
Application December 28, 1949, Serial No. 135,495
10 Claims. (Cl. 136—159)

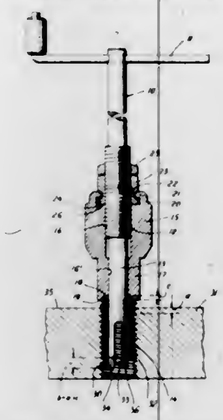


1. In a cell comprising a vessel containing a body of electrolyte of the type tending to settle in vertically superposed layers of differing densities, and electrodes disposed in the electrolyte, the method of circulating the electrolyte to establish a substantially uniform density thereof comprising establishing a vertically extending laterally confined zone of electrolyte, the zone extending to the surface of the electrolyte and communicating at its lower end with the lower strata of electrolyte; and applying a gas to electrolyte in at least the upper portion of such zone at a pressure just sufficiently greater than the electrolyte head at the point of gas introduction to assure flow of gas into the confined electrolyte to aerate the latter to decrease the average density of the confined electrolyte relative to the average density of the main body of electrolyte to effect circulation of electrolyte from the lower strata thereof through such zone to the surface of the body of electrolyte.

2,584,118
TOOL FOR INSERTING SCREW THREAD LININGS
John O. Forster, Long Island City, N. Y., assignor to Heli-Coil Corporation, Queens County, N. Y., a corporation of Delaware
Application May 27, 1950, Serial No. 164,779
7 Claims. (Cl. 10—1)

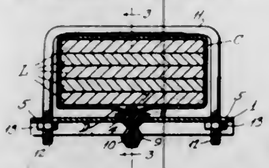
1. A tool of the type described comprising a mandrel having one end axially slotted, its other end formed for the application of a torque, and an intermediate threaded portion, a sleeve surrounding said mandrel intermediate its ends and having the one of its end faces from which said slotted mandrel end projects inwardly tapered, said mandrel being freely rotatable in said sleeve, and a nut in engagement with said mandrel thread, said nut and said sleeve including pe-

ripherally interengaging portions whereby said nut is held to said sleeve in the axial direction



but free to rotate with said mandrel relatively to said sleeve.

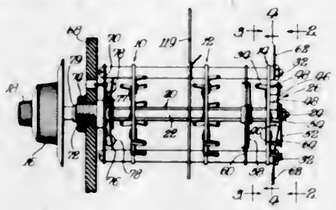
2,584,119
LUBRICATING FITTING FOR VEHICLE SPRINGS
Vito Fresolone, Jr., Union, N. J.
Application May 17, 1950, Serial No. 162,555
2 Claims. (Cl. 184—1)



1. A grease fitting for automobile springs enclosed in metal spring covers provided with a lubrication hole comprising: a channel section the web of which is provided with a central hole in which is mounted a stud having a grease passage therethrough, one end of the stud projecting beyond one face of the web to extend into the lubrication hole of the spring cover and the other end of the stud having a head to engage with a grease gun, and a U shaped yoke to extend over the spring and downwardly along the sides thereof and through holes in the ends of the web of the channel section, the ends of said yoke being threaded, and nuts screwed on to the yoke for clamping the spring cover and spring tightly between the channel section and the yoke to maintain the plug of the stud firmly seated in the lubrication hole of the cover.

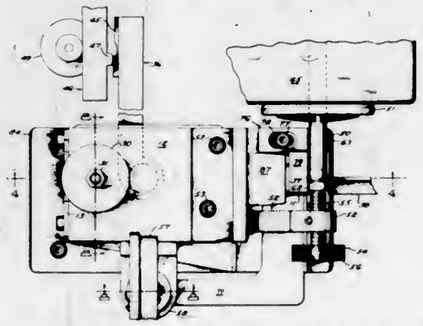
2,584,120
TUNER
George W. Fyler, Lombard, and Raymond R. Wingert, Chicago, Ill., assignors to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application December 20, 1948, Serial No. 66,164
8 Claims. (Cl. 250—40)

1. In a television tuner having a plurality of main tuning elements respectively allocated to various frequency channels, a channel-selecting switch having a rotatable contact surrounded by a stationary insulating ring, a stationary wiper contact mounted on said ring and engaging said rotatable contact, a stationary capacitor plate mounted on said ring and having a direct electrical connection of negligible impedance to said wiper contact, a rotatable capacitor plate disposed in proximity to said stationary capacitor plate, a plurality of stationary contacts on said ring each constituting a terminal of a main tuning element and being selectively engaged by said rotatable contact in accordance with the setting of said switch, conductive means for electrically connecting the other terminal of each main tuning element to said rotatable capacitor plate



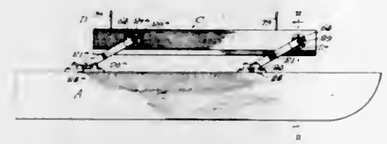
and means for rotating said rotatable capacitor plate, both of said plates constituting a trimmer capacitor having a capacitance which varies as said rotatable plate is moved relative to said stationary plate, thereby to place a variable amount of capacitance in circuit with the main tuning element in any selected frequency channel corresponding to the position of said rotary switch member.

2,584,121
DEVICE FOR CONTOUR DRESSING GRINDING WHEELS
John C. Garand, Springfield, Mass., assignor to the United States of America as represented by the Secretary of War
Application January 29, 1948, Serial No. 5,156
6 Claims. (Cl. 125—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a grinding machine having an abrasive wheel for simultaneously grinding the diameter and length of a work-piece, a device for dressing the wheel comprising, in combination, a housing arranged to reciprocate in a direction parallel to the peripheral surface of the wheel, a cylindrical tool holder slidably mounted in said housing and arranged to fixedly receive a diamond dressing tool, said tool projecting forwardly from said housing in position to dress the wheel upon completion of grinding the work to the required dimensions, said tool holder having a bifurcated rear end portion of enlarged diameter, spring means in said housing arranged to surround said tool holder and disposed forwardly of and in abutting relationship with said enlarged diameter portion for normally biasing said tool holder rearwardly into said housing, pin means in said tool holder extending across said bifurcated portion, a lever pivotally mounted in said bifurcated portion on said pin means, said lever having an arcuate front end terminating in a rearwardly extending hook-like portion, a sleeve fixedly secured within said housing and arranged to surround said bifurcated portion of said tool holder, said sleeve having a longitudinal slot therein for receiving said hook-like end of said lever, screw means extending into said housing and through said sleeve to contact the rear end of said lever, a rotating cylindrical cap fixedly secured to the upper end of said screw means, a plurality of vertically disposed serrations equally spaced about the interior surface of said cap, and spring-biased detent means disposed in yielding engagement with said serrations for obtaining increments of rotation of said screw means, all adapted and arranged whereby rotation of said screw means in one direction pivots said lever about said pin means and against said fixed sleeve to advance said tool holder and thereby said diamond forwardly, said spring means being arranged to bias said tool holder rearwardly into the housing upon rotation of said screw means in the opposite direction whereby the existence of backlash in said screw means is eliminated.

2,584,122
STABILIZING MECHANISM FOR VEHICLES
William E. Gilmore, United States Army, Lyndhurst, N. J.
Application September 27, 1946, Serial No. 699,653
17 Claims. (Cl. 114—0.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



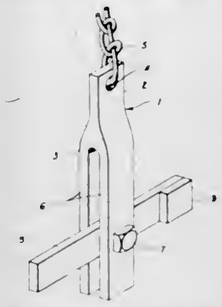
17. A vehicle comprising a pair of spaced, parallel pontons, a load-carrying platform vertically spaced therefrom, arms pivotally connected to the pontons at spaced points therealong, and motion-reversing transmission means extending transversely of said platform and spaced longitudinally thereof, each of said transmission means interconnecting respective pairs of oppositely disposed, spaced arms on the pontons, the said arms being symmetrically disposed in opposition relative to the pontons.

2,584,123
DISPERSING AND EMULSIFYING COMPOSITIONS
Louis A. Gruenwald, New York, N. Y.
No Drawing. Application August 6, 1948, Serial No. 42,997
8 Claims. (Cl. 106—142)

1. A dispersing and emulsifying agent consisting of a complex of the following materials in the following proportions:

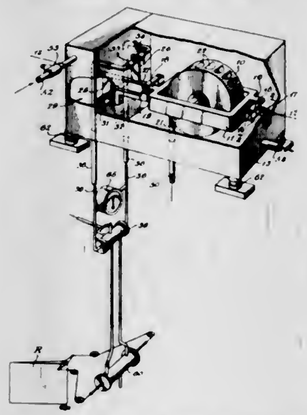
Partially hydrolyzed keratin	lbs.	65 to 105
2-methyl 2-amino propanol	lbs.	140 to 208
Morpholine	lbs.	140 to 208
Pyridine	lbs.	5 to 35
Linolenic acid	lbs.	250 to 400

2,584,124
LIFTING DEVICE
Edwin E. Gustafson, Vallejo, Calif.
Application June 11, 1946, Serial No. 676,052
5 Claims. (Cl. 294—93)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for lifting an article having a substantially vertically extending opening through a portion thereof comprising a body, means on said body adapted for engagement with a hoisting element, and a link pivoted to said body about a normally horizontal axis, the center of gravity of said link being substantially displaced from said axis toward one end thereof to cause said link normally to hang in substantial alignment with said body, said link and body being of such size as to easily pass, when in alignment with each other, through said opening, the mass of said body being substantially at least as great as the mass of said link, and said link being so proportioned as to length and location of pivot point as to be capable of engaging, from beneath, opposite areas of said portion of said article forming said opening when said link extends substantially at right angles to said body.

2,584,125
ANGULAR RATE GYROSCOPE
Howard H. Haglund, Pelham, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application July 2, 1945, Serial No. 602,834
9 Claims. (Cl. 74—5.6)



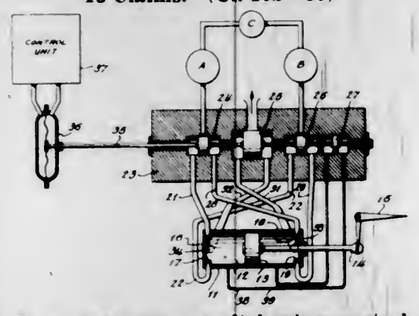
1. In an angular rate gyroscope a support, a rotor, a gimbal ring for the rotor, and resilient suspension means for the gimbal ring comprising a leaf spring fixed at one end to the support adjacent an end of the gimbal ring and extend-

ing in a direction away from the rotor axis, a second leaf spring fixed at opposite end to the end of the gimbal ring and extending generally in the direction of the first leaf spring, and spacer means secured to the unfixed ends of said leaf springs; whereby a precession axis is provided and defined for the gimbal ring and rotor under resilient restraint.

2,584,126
COPOLYMERS OF DICHLORODIFLUOROETHYLENE AND ETHYLENE
William E. Hanford, Short Hills, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 27, 1947, Serial No. 782,457
3 Claims. (Cl. 260—87.5)

1. A macromolecular copolymer of a dichlorodifluoroethylene and ethylene which copolymer consists of, by weight, about 5% to 81% of said dichlorodifluoroethylene.

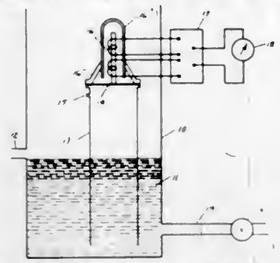
2,584,127
SERVO SYSTEM
William M. Harcum, Mineola, and John M. Slater, Garden City, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application December 5, 1946, Serial No. 714,282
13 Claims. (Cl. 102—50)



1. In a rocket-type craft having control surfaces and sources of chemical agents for producing a motive force, the combination therewith of a servomotor including means defining an expansible chamber, means operatively connected with said chamber defining means for supplying a force to said control surfaces in accordance with expansion and contraction of said chamber, and means for supplying at least one of said agents in a regulatable quantity as an input to said chamber to produce therein, by the reaction products of said chemicals, a motive force of a substantially steady magnitude dependent upon the rate of supply of said agents to said chamber.

2,584,128
LIQUID LEVEL INDICATING APPARATUS
Joseph M. Hildyard, United States Army, Arlington County, Va.
Application July 3, 1946, Serial No. 681,274
2 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an apparatus of the nature described, a pipe extending downwardly into a body of liquid and communicating at the lower end therewith, an oscillator including an electron tube having a plate circuit, a vibrating device adjacent the upper end of said pipe, a magnet adjacent said vibrating device, an armature operatively related to said virbrating device and partly within the field of said magnet, a winding within the field of said magnet energizable by said oscillator for



varying the flux of said magnet to drive said armature and thereby said vibrating device, and a second winding within the said field of said magnet said second winding being arranged within the plate circuit of said tube.

2,584,129
PRODUCTION OF L-XYLOSE
Robert C. Hockett, Larchmont, N. Y., assignor to Heinz M. Wuest, Montclair, N. J.
No Drawing. Application February 15, 1950, Serial No. 144,377
5 Claims. (Cl. 260—209)

2. In the production of L-xylose from D-sorbitol, the improvements which comprise reacting D-sorbitol and furfural at a temperature not above 50° C. in the presence of an amount of mineral acid such that the concentration thereof in the entire reaction mixture is less than 1.0 N and in the presence of an amount of water such that the molar ratio of water to sorbitol is at least 2, whereby monofurfurylidene sorbitol is produced, oxidizing the monofurfurylidene sorbitol thus obtained to monofurfurylidene L-xylose and recovering L-xylose therefrom.

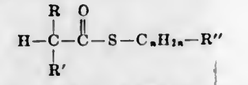
2,584,130
CONTAINER WITH TRAP CHAMBER OPERATED BY TIPPING
Clarence G. Huebl, Milwaukee, and Henry P. Buerosse, Pewaukee, Wis.
Application August 1, 1946, Serial No. 687,752
3 Claims. (Cl. 222—455)



1. A dispensing device of the character described, comprising: a hollow body; means on the body for mounting the device in an upright position on the mouth of a bottle; a partition wall in the interior of the body defining a measuring chamber inside the upper portion thereof for holding a quantity of liquid in an inverted position of the device but communicated with the lower portion of the body to transfer its contents thereinto in the upright position of the device; a filler tube carried by the body for communicating the interior of the bottle with the measuring chamber; a vent tube carried by the body with its inlet end curved around said partition wall and facing the bottom of the measuring chamber substantially centrally thereof, said vent tube having a degree of resiliency whereby said curved inner end thereof is capable of flexure in a direction to carry said inlet end of the tube toward and from the bottom of the measuring chamber, and the curvature of the tube being such that the central relationship of the inlet end thereof in said measuring chamber is substantially retained despite flexure of the tube to carry its inlet end toward and from the bottom of the measuring chamber; and an adjusting screw threaded into the wall of the body adjacent to the bent inner end of the vent tube for flexing the same toward the bottom of the measuring chamber and for holding the inlet end of said tube in any of a number of different positions of adjustment with respect to the bottom of the measuring chamber.

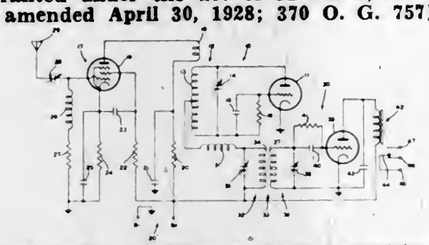
2,584,131
PYRROLIDYL THIOLESTERS
James H. Hunter, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application June 6, 1949, Serial No. 97,483
11 Claims. (Cl. 260—313)

1. A member of the group consisting of (*a*) esters having the formula:



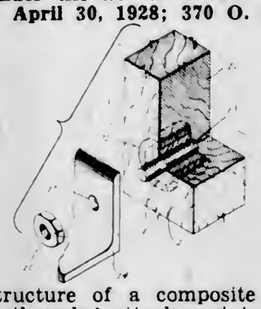
wherein R is a member of the group consisting of aryl, aralkyl, cycloalkyl and cycloalkenyl radicals, R′ is a member of the group consisting of alkyl, aryl aralkyl, cycloalkyl and cycloalkenyl radicals, R″ is a member of the group consisting of pyrrolidyl-1 and lower-alkyl-substituted pyrrolidyl-1 radicals and *n* is a member of the group consisting of the integers 2, 3, and 4, and (*b*) acid addition salts thereof.

2,584,132
RADIO RECEIVING SYSTEM
Robert A. Kirkman, Elberon, N. J.
Application January 4, 1944, Serial No. 516,949
11 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



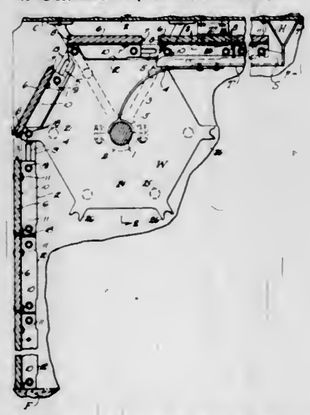
1. A radio receiving system comprising; a super-regenerative detector adapted to receive an external signal; a grid-leak detector; a transformer, coupling said detectors and having primary and secondary circuits sharply tuned to the frequency of the quenching oscillations generated by said super-regenerative detector in the absence of the application of said external signal, for feeding said quenching oscillations to said grid-leak detector; and an electromagnetic relay, receptive of the output of said grid-leak detector, for controlling an independent electrical circuit; the application of said external signal to said super-regenerative detector and the resulting shift in the frequency of said quenching oscillations altering the input to said grid-leak detector and thereby causing said electromagnetic relay to operate.

2,584,133
INSERT FASTENER
Chris T. Koochembere, Aldan, Pa.
Application March 26, 1945, Serial No. 584,995
5 Claims. (Cl. 20—92)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The structure of a composite insert for metal screw-threaded attachment to a member of material with good properties for adhering and less shear strength than metal, the structure consisting of an elongated metal core comprising an exterior surface with sufficient area for a strong adhesive bond, a sleeve of material with properties for good bonding by means of adhesive, the sleeve comprising its interior surface contoured and extended both peripherally and lengthwise to correspond with and fit the exterior surface of the core, the sleeve being bonded by adhesive to the metal core with the corresponding respective interior and exterior surfaces of the sleeve and core pressed together, the exterior surface of the sleeve being contoured to fit into a companion socket of the member for glue-bonded engagement therewith, the interior and exterior surfaces of the sleeve comprising lengthwise grooves arranged at intervals peripherally, the grooves of the respective interior and exterior surfaces of the sleeve being arranged in staggered relationship to each other.

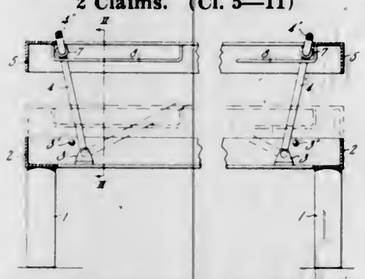
2,584,134
LOCK LINK CHAIN
Gothard H. Knutson, Pelican Rapids, Minn.
Application March 8, 1948, Serial No. 13,621
2 Claims. (Cl. 160—229)



1. In a flexible closure adapted for actuation by a chain and sprocket, the combination with multiple panels, and a bracket holder mounted on each panel, of a pair of overlapping longitudinally

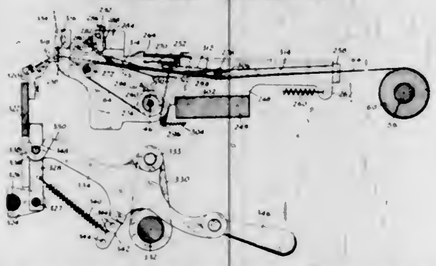
movable links mounted in each bracket holder, said links interconnecting said bracket holders in spaced relation to each other, co-acting tongue and groove means on the edges of said panels for maintaining the edges of adjoining panels in edge to edge relation to each other, and co-acting means comprising an open ended slot at the end of one link and a hinge pin on the other link for locking together the interconnected and aligned panels.

2,584,135
BED
Szalom Korenblit, Tel Aviv, Palestine
Application July 21, 1947, Serial No. 762,272
In Palestine May 26, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 26, 1966
2 Claims. (Cl. 5—11)



1. In a bed of the type adapted to be placed underneath a higher bed when not in use and which can be raised to the height of the higher bed and placed beside it, to afford additional accommodation, a lower elongated frame having legs fixedly attached thereto, an upper elongated frame being provided with a spring mattress, pairs of levers pivoted at their lower ends within the angles of angle irons forming the lower frame and having each an inwardly bent step near its upper end said steps affording abutments supporting the upper frame in erected position, and an approximately horizontal bar at least at one end of the bed extending across and above the opening of the upper frame and connecting the upper ends of the levers at said one end.

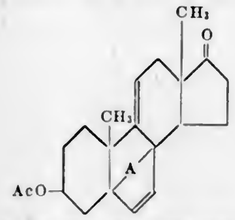
2,584,136
STRAIGHT BAR KNITTING MACHINE AND A METHOD FOR OPERATING SAME
Fritz Lambach, Tenafly, N. J., assignor to Robert Reiner, Inc., Weehawken, N. J.
Application November 26, 1947, Serial No. 788,178
35 Claims. (Cl. 66—96)



1. In a straight bar knitting machine, the combination of: a welt-bar having a series of welt-hooks, welt-bar actuating means arranged for engaging said welt-bar and for causing the latter during a predetermined period at the beginning of a knitting cycle to draw-off fabric hooked up to its welt-hooks, holding means capable of receiving and holding a welt-rod, said holding means being mounted on said knitting machine remote from said welt-bar, automatic releasing means arranged for releasing at a predetermined interval said welt-rod from said holding means so as to cause an engagement of said welt-rod with the fabric, movable take-up means, a take-up drive associated with said take-up means for actuating same, and automatic means for effecting at a predetermined interval a connection of said welt-rod with said take-up means after its engagement with the fabric whereby the drawing-off of the fabric is automatically transferred from the welt-bar to said take-up means.

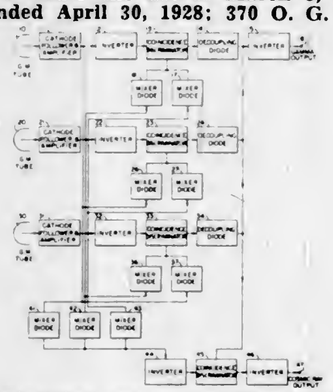
2,584,137
3-ACYLOXY-5,7,9(11)-ANDROSTATRIEN-17-ONE ADDUCTS
Robert H. Levin, A Vern McIntosh, Jr., and George B. Spero, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application November 20, 1950, Serial No. 196,721
12 Claims. (Cl. 260—239.55)

1. A 3-acyloxy-5,7,9(11)-androstatrien-17-one adduct represented by the formula:



wherein Ac is the residue of an unsubstituted organic mono-carboxylic acid containing from one to eight carbon atoms, inclusive, and wherein A is an adduct radical of a dienophile selected from the group consisting of maleic acid anhydride and maleic acid lower-alkyl diesters, wherein the lower alkyl group contains from one to eight carbon atoms, inclusive.

2,584,138
RADIOACTIVITY DETECTOR AND DISCRIMINATOR
Samuel W. Lichtman, Oxon Hill, Md.
Application May 12, 1950, Serial No. 161,676
8 Claims. (Cl. 250—83.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



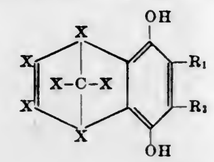
1. An electrical system for discriminating between synchronous and non-synchronous signals produced by a plurality of distinct signal sources, comprising: a separate signal transmission channel coupled to each signal source to translate signals obtained therefrom, each channel including a circuit responsive to the presence of a signal in any of the other channels for blocking signal transmission through such channel; means combining the outputs from said channels, an auxiliary signal transmission channel coupled to all of said signal sources to translate signals therefrom, including a circuit therein responsive to an output from said combining means to block signal transmission through such auxiliary channel.

2,584,139
DIELS-ALDER ADDUCTS OF HEXAHALOCYCLOPENTADIENE WITH QUINONES
Rex E. Lidov, Julius Hyman, and Edward Segel, Denver, Colo.; said Lidov and said Segel assignors to Velsicol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application December 27, 1947, Serial No. 794,204
16 Claims. (Cl. 260—586)

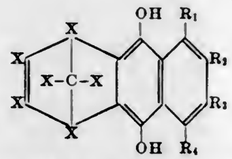
1. A new composition of matter comprising the Diels-Alder adduct of a hexahalocyclopentadiene wherein the halogen substituents are of the group consisting of chlorine, bromine and mixtures thereof, as the diene, and a quinone compound of the group consisting of benzoquinones and napthoquinones, as the dienophile.

2,584,140
ISOMERS OF DIELS-ALDER ADDUCTS OF HEXAHALOCYCLOPENTADIENE WITH QUINONES
Edward Segel, Rex E. Lidov, and Julius Hyman, Denver, Colo.; said Segel and said Lidov assignors to Velsicol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 7, 1948, Serial No. 43,153
12 Claims. (Cl. 260—625)

1. A new composition of matter comprising the material chosen from the group having the formula:



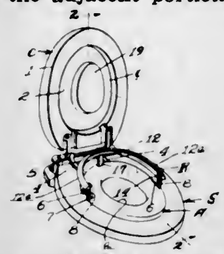
and



wherein X is a halogen of the group consisting of chlorine and bromine and R_1, R_2, R_3 and R_4 are of the group consisting of hydrogen, halogen and, alkyl and aryl radicals.

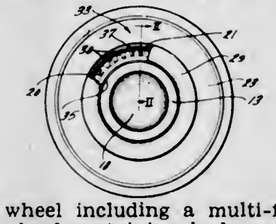
2,584,141
TOILET SEAT
Rose Liebling, Atlanta, Ga.
Application August 6, 1948, Serial No. 42,880
5 Claims. (Cl. 4—234)

1. In combination, a toilet seat, a substantially U-shaped member straddling the seat from the rear when in lowered position, rigid links pivotally connected with the forward portions of the member and the adjacent portions of the seat,



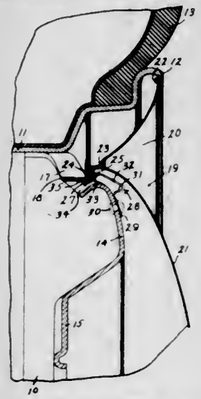
the pivotal connection between each of the links and member comprising a slot in one and a part carried by the other working in said slot.

2,584,142
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application December 20, 1946, Serial No. 717,347
12 Claims. (Cl. 301—37)



1. In a wheel including a multi-flanged tire rim and a load sustaining body part, the tire rim having an extremity flange providing a generally radially inwardly opening groove, an annular cover for the tire rim and the juncture of the rim and body part and formed from resiliently deflectable material and having an outer circular margin turned generally axially inwardly for retainingly nesting within said tire rim groove, the body of the cover extending generally radially and axially inwardly to the body part, and means engaging the inner margin of the cover adjacent the body part for additionally retaining the cover on the wheel.

2,584,143
WHEEL STRUCTURE
George Albert Lyon, Detroit, Mich.
Application February 27, 1947, Serial No. 731,330
5 Claims. (Cl. 301—37)



1. A vehicle wheel including a tire supporting rim and a load-sustaining body part concentric

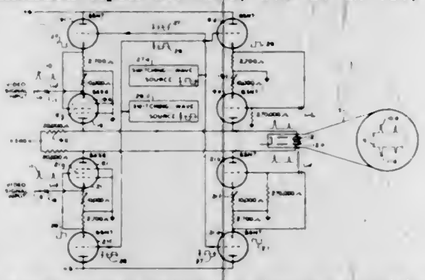
with the rim and formed with ventilation openings at spaced annular intervals at the juncture of the body part and the tire rim, a flange defining each of the respective ventilation openings and each flange having a respective intermediate inset portion, and the wheel body carrying respective cover retaining clips having resiliently reflectable shoulder flange portions thereof extending in guided relation into the clearances afforded by the respective inset portions whereby to be held against rotating out of operative position and also to afford a backing for such shoulder flange portion against accidental overstressing.

2,584,144

POSITIVE PEDESTAL SWITCHED VIDEO TUBE

Peter T. Maresca, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of the Army

Application September 7, 1949, Serial No. 114,443
5 Claims. (Cl. 315—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An electronic switching circuit comprising a first signal amplifier including first and second electron tubes and a first common impedance in the output circuit of said first and second electron tubes, a second signal amplifier including third and fourth electron tubes and a second common impedance in the output circuit of said third and fourth electron tubes, means for applying a first signal to the input circuit of said first tube, means for applying a second signal to the input circuit of said third tube, a source of square-wave voltage, means for rendering said first and fourth tubes conducting only during alternate half-periods of said square-wave voltage, means for rendering said second and third tubes conducting only during half-periods of said square-wave voltage intermediate said alternate half-periods, and means for applying the potential difference between the voltage appearing across said first common impedance and the voltage appearing across said second common impedance as an input to a utilization means.
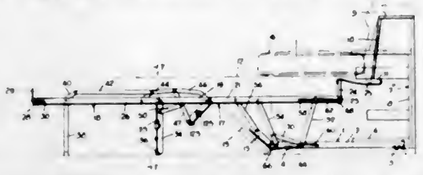
2,584,145

FOLDABLE SOFA BED

Joseph Martin, Laurelton, N. Y., assignor to Eclipse Sleep Products Inc., Brooklyn, N. Y., a corporation of New York

Application June 7, 1949, Serial No. 97,558
7 Claims. (Cl. 5—31)

3. In a couch bed having a main frame and a pair of bed sections, rails pivotally connected at their ends to the adjacent ends of said bed sections, and control linkage connecting said bed sections and rails to fold into spaced relation with one another to enclose a folded inner spring mattress, and a second linkage for cushioning said bed sections in folded relation to one another and moving them inwardly into couch formation and for facilitating the operation and moving said bed sections outwardly into bed formation; said second linkage comprising a first pair of links pin and slot connected at their ends with one of said bed sections and said main frame, springs connected to said first pair of



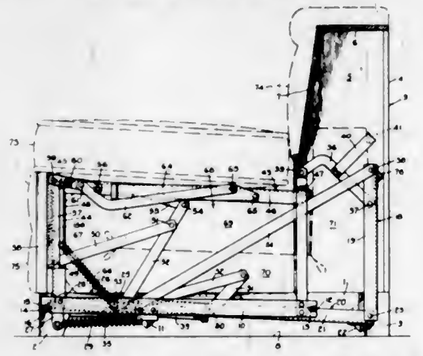
links and normally urging said first pair of links into upright position, and a second pair of links pivotally connected at their ends with one of said bed sections and said main frame, said two pairs of links being erect in couch formation and movable into reclining position adjacent to one another when said bed sections are folded and moved inwardly into said main frame.

2,584,146

COUCH BED LINKAGE FOR FOLDING, UNFOLDING, AND POSITIONING A FULL LENGTH MATTRESS IN COUCH OR BED FORMATION

Joseph Martin, Laurelton, N. Y., assignor to Eclipse Sleep Products Inc., Brooklyn, N. Y., a corporation of New York

Application April 21, 1950, Serial No. 157,198
4 Claims. (Cl. 5—29)



1. The linkage for the four bed sections of a couch bed pivotally connected to one another at their adjacent ends to enclose two portions of an uninterrupted full length mattress overlapping one another and a third portion of the mattress extending upwardly at substantial right angles to the first two portions and into a back housing, said linkage being characterized by fixed horizontally extending lower bars and a vertically extending fixed bar extending upwardly from each of said horizontally extending fixed bars, a first set of links pivotally connecting the innermost bed section to the upper ends of said upwardly extending bars, a first pair of legs pivotally connected to the intersection between the second innermost and the third innermost bed sections, a second set of links pivotally connecting said first pair of legs to said fixed horizontally extending bars and to the innermost end of said innermost bed section, a second pair of legs pivotally connected adjacent to the outermost ends of the outermost bed section, a third set of links pivotally connecting

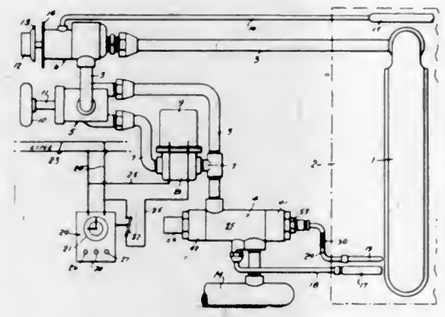
the second innermost bed section to said third innermost bed section, to said outermost bed section and to said second pair of legs enabling said innermost bed section and said third innermost bed section to assume an erect position with said outermost bed section parallel to and above said second innermost bed section in couch formation.

2,584,147

OVEN BURNER CONTROL MECHANISM

Charles M. Mayer, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio

Substituted for abandoned application Serial No. 61,107, November 19, 1948. This application December 11, 1950, Serial No. 200,203
7 Claims. (Cl. 161—9)



1. In a control mechanism for automatically controlling the operation of a gaseous fuel oven burner, the combination of a fuel supply manifold, a fuel conduit extending between said manifold and said burner, a by-pass around a portion of said conduit, a manually operable valve by which the supply of fuel to said burner is cut on and off, said valve being located at a junction of said by-pass and said conduit and having one closed position and two open positions and operative when in one open position to direct fuel straight through said conduit to said burner and when in the other open position to direct fuel through said by-pass to said burner and when in closed position to completely shut off the flow of fuel to said burner, a normally closed valve in said by-pass, a solenoid operative when energized to maintain said normally closed valve open, switching means by which the energization of said solenoid is controlled, and a time control mechanism operative to open and close said switching means at predetermined set times.

2,584,148

PRODUCTION OF A CATALYST FROM CLAY

George Alexander Mills, Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 28, 1946, Serial No. 672,917
4 Claims. (Cl. 252—450)

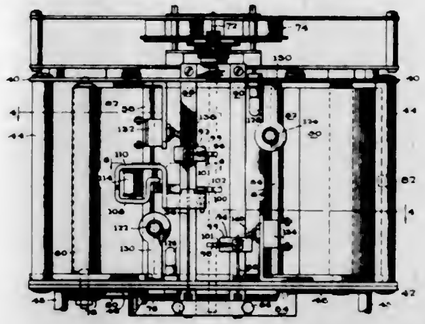
2. The method of producing active contact masses from a kaolin clay which comprises subjecting raw kaolin to treatment with mineral acid, forming the kaolin into pellets, subjecting the pellets to calcination at a temperature above 500° F., treating the calcined pellets with dilute sodium hydroxide solution, washing and drying the treated pellets and thereafter contacting the pellets with an aluminum salt solution.

2,584,149

VEHICLE OPERATION RECORDER

Ralph C. Moffitt, Louisville, and Clarence C. Chelf, Lebanon, Ky., assignors of one-third to said Moffitt and two-thirds to said Chelf

Continuation of application Serial No. 647,251, February 13, 1946. This application April 20, 1950, Serial No. 157,128
8 Claims. (Cl. 346—49)



1. In a recorder, the combination comprising means constructed and arranged to support and drive a strip record chart at uniform speed, said supporting and driving means including a member providing an extended recording surface for said chart, and an end plate member extending transversely and inwardly of said recording surface and having its outer edge adjacent said recording surface; a supporting member hingedly connected to said outer edge of said end plate member; a bar secured perpendicularly to said supporting member and arranged to extend in parallel spaced relation transversely across a chart strip on the recording surface; a stylus slidably mounted on said bar for reciprocating movement; and a flexible operating member extending through the supporting member and operatively connected with the stylus, whereby the stylus may be swung away from the chart strip to provide access thereto without disconnecting the operating member from the stylus.

2,584,150

PREPARATION OF NUTLIKE PRODUCTS FROM DRY BEANS

Herman J. Morris, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application July 29, 1949, Serial No. 107,626
3 Claims. (Cl. 99—98)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Process for preparing nut-like products from dry beans of the species *Phaseolus vulgaris* which comprises the steps of soaking the beans in water, partially cooking the soaked beans in water, frying the partially cooked beans in oil, then roasting the fried beans uitil a product of the desired degree of color and crispness is produced.

2,584,151

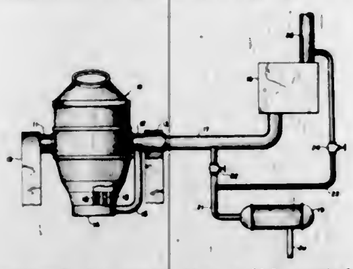
METHOD OF BLOWING FERROUS METAL

Floyd L. Morrison, Weirton, W. Va., assignor to National Steel Corporation, a corporation of Delaware

Application November 12, 1947, Serial No. 785,219
5 Claims. (Cl. 75—60)

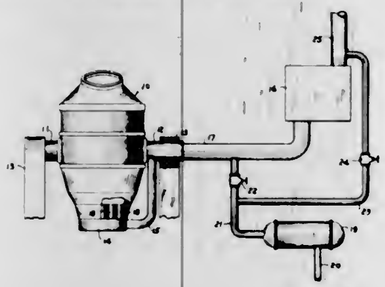
1. In the process of blowing ferrous metal in a converter, the steps comprising, charging mol-

ten blast furnace iron and solid ferrous metal into a converter, blowing the charge with an oxygen-enriched air blast for a period not longer



than required to melt the solid metal, then blowing the charge with air, and finally finish blowing the charge.

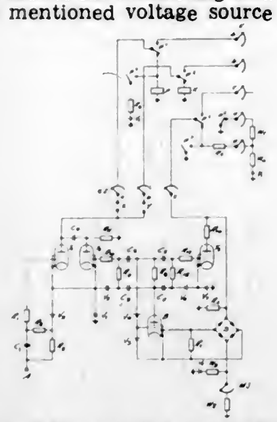
2,584,152
METHOD OF BLOWING IRON
Floyd L. Morrison, Trenton, Mich., assignor to National Steel Corporation, a corporation of Delaware
Application July 2, 1951, Serial No. 234,855
21 Claims. (Cl. 75—60)



5. In the method of blowing ferrous metal in a converter, the steps comprising charging into the converter molten blast furnace iron containing carbon and containing silicon and manganese in a ratio not greater than 1½, first blowing the charge and oxidizing constituents of the iron, blowing the charge with an air blast, and then finish blowing the charge with an oxygen-enriched air blast containing at least 21.5% oxygen by volume for a period of at least ¼ minute and not longer than 1½ minutes and oxidizing carbon, the blown metal at the end of the blow containing at least 0.25% carbon.

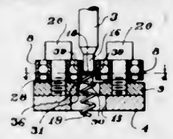
2,584,153
ZERO VOLTAGE IDENTIFICATION DEVICE FOR SELECTOR POSITIONING
Roelof M. M. Oberman, The Hague, Netherlands
Application September 5, 1947, Serial No. 772,406
In the Netherlands September 14, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 14, 1965
3 Claims. (Cl. 177—353)

1. Zero voltage identification device for the control of moving switches in a bridge marking circuit comprising, a control wiper wire; a resistance connected to said control wiper wire; a voltage source positive with respect to the marking potential; means for connecting said resistance to said voltage source when the control wiper of the switch is on a contact having a potential positive with respect to the marking potential; a voltage source negative with respect to the marking potential; and means for connecting said resistance to said last mentioned voltage source when the



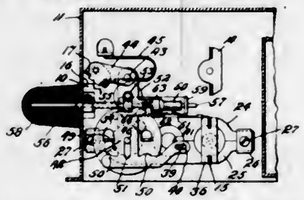
control wiper of the switch is on a contact negative with respect to the marking potential.

2,584,154
COILING DEVICE AND ATTACHMENT FOR DRILL PRESSES OR THE LIKE
Emerson T. Oliver, Marblehead, Mass.
Application June 5, 1947, Serial No. 752,704
4 Claims. (Cl. 153—64)



1. A coiling-device attachment for a machine provided with a frame and a rotary chuck for receiving a mandrel, said attachment comprising a base plate having an opening for receiving the completed coil, said base plate being adapted to be fixed to said frame, supporting means mounted on said base plate near said opening, parallel axles carried by said supporting means, coiling rolls for cooperating with the mandrel to form the coil therebetween and supported for rotation about said axles, each coiling roll being provided with a cylindrical wall portion, the lower faces of said wall portions being adapted partially to overlie the edge of said opening, whereby said coil may have its pitch determined by the lower face of one of said wall portions as said coil enters said opening, and means whereby said supporting means and rolls may be adjusted toward and away from said base plate opening.

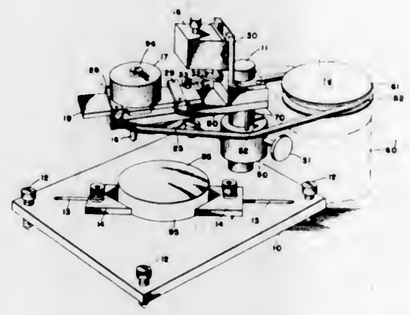
2,584,155
FADER FOR RADIO RECEIVING OR OTHER APPARATUS
Freeman H. Owens, New York, N. Y.
Application August 18, 1948, Serial No. 44,853
7 Claims. (Cl. 250—20)



1. In apparatus of the character disclosed, the combination with station selecting members

separately shiftable in one direction for effecting station selecting operations and returnable in the opposite direction to positions of rest and critical volume control means operable by said members to different extents to establish the sound levels desired for the station selecting operations effected by different station selecting members, of fading volume control means inoperative in the positions of rest of said station selecting members and means operated by said members in the station selecting movements of the same for adjusting said fading volume control means in the volume decreasing direction and for adjusting the same in the volume increasing direction in the return movement of said members to the positions of rest.

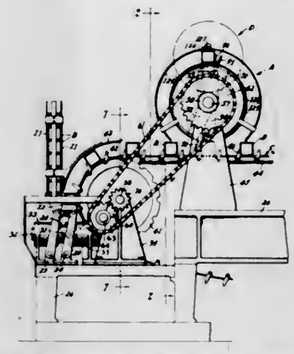
2,584,156
ABRASION RESISTANCE TESTER
Donald M. Packer, Alexandria, Va.
Application May 19, 1949, Serial No. 94,241
6 Claims. (Cl. 73—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An abrasion resistance testing machine for testing by means of a circularly traveling abrading unit comprising a supporting structure, a plate mounted for reciprocable movement thereon and having an elongated slot therein extending transversely to the line of reciprocation, a cam carried by said structure, said cam having an eccentric opening therein, a lap shaft passing through said eccentric opening and said elongated slot, said shaft being freely slidable through said opening, and said shaft and cam being relatively rotatable with respect to each other, said shaft having a flattened side portion for engagement with a side of said slot permitting free sliding of said shaft therethrough and therealong while restraining axial rotation of said shaft, a weight carried by said shaft, and means for rotating said cam, the rotation of said cam causing a circular motion of the lap shaft, said slotted plate preventing axial rotation thereof, and said weight affording a desired abrading pressure.

2,584,157
TRANSFER MECHANISM FOR ARTICLES
William Pechy, Manasquan, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 30, 1948, Serial No. 24,303
12 Claims. (Cl. 198—19)

7. In a machine for performing an operation upon successive articles, the combination of actuating means moving a procession of articles continuously along a predetermined path of travel in spaced and timed order, a work performing station disposed adjacent the path of travel of said articles, a rotatable transfer arm operating between said actuating means and said station and transferring an article from said actuating means into said station and leaving said article at said station for an operation thereupon, a rotatable auxiliary transfer arm operating between said station and said actuating means in timed relation with said transfer arm and returning an article after being operated upon from said station to said actuating means for continued movement along said path of travel, a continuously rotating drive member on which

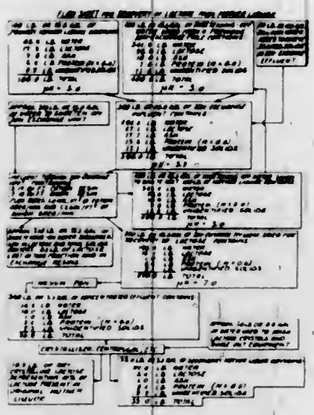


said arms are freely mounted, an arm crank secured to said drive member for each of said arms, a bell crank pivotally mounted on each of said arm cranks, one of said bell cranks being connected with said transfer arm and the other bell crank being connected with said auxiliary transfer arm for rotating the arms with said drive member, and stationary cam means engageable with said bell cranks for shifting said transfer arm and said auxiliary transfer arm relative to said arm cranks for arresting the rotation of said arms at said actuating means and said station for engaging and delivering an article during its transfer.

2,584,158
RECOVERY OF LACTOSE FROM MOTHER LIQUOR
William J. Pratt, East Paterson, N. J., and Howard F. Seibert and Rexford C. Stribley, Mason, Mich., assignors to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
Application January 10, 1950, Serial No. 137,698
3 Claims. (Cl. 127—31)

1. The process of recovering lactose which comprises: providing a mother liquor from a lactose-crystallization process, the mother liquor containing about 35 percent solids of which approximately one-half is lactose, more than one-fifth is ash and more than one-seventh is nitrogenous material calculated as protein, diluting the mother liquor to a solids content of 13–17 percent by adding thereto water and sweetening-off water derived from a previous demineralizing operation, passing the diluted solution successively through a bed of cation-exchange resin in the hydrogen cycle and a bed of ion-exchange resin in the hydroxyl cycle, the amount of resin and time of contact being such as to remove at least about 85 percent of the ash, whereby at least 50 percent of the nitrogenous material calculated as protein and a substantial fraction of other non-lactose solids are also removed, rinsing the

resin beds with water, collecting a first effluent fraction containing at least about 10 percent of solids of which about three-quarters is lactose, collecting a second fraction of effluent as sweetening-off water, concentrating the first fraction to



a crystallizing point by vacuum evaporation, permitting the concentrate to cool, separating the resulting lactose crystals from mother liquor, and utilizing the sweetening-off water for dilution in a subsequent similar operation.

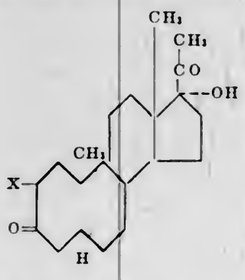
2,584,159

PROCESS FOR PRODUCING 2-HALO-ALLOPREGNANE-17α-OL-3,20-DIONE

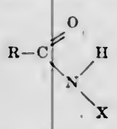
George Rosenkranz, Stephen Kaufmann and John Pataki, Mexico City, Mexico, assignors to Syntex, S. A., Mexico City, Mexico, a corporation of Mexico

No Drawing. Application September 19, 1949, Serial No. 116,625
2 Claims. (Cl. 260—397.4)

1. A process for the production of 2-halo-allopregnane-17α-ol-3,20-dione having the following formula:



wherein X is selected from the group consisting of chlorine and bromine which comprises reacting allopregnane-3β,17α-diol-20-one with an amide having the following formula:



wherein R is selected from the group consisting of aromatic and aliphatic radicals and X is selected from the group consisting of chlorine and bromine, in the proportion of 1 mol of allopregnane-3β,17α-diol-20-one to 2 mols of the amide.

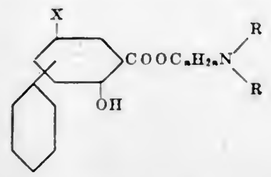
2,584,160

DIALKYLAMMOALKYL ESTERS OF PHENYL HALOGENATED ORTHO-HYDROXYBENZOIC ACIDS

Melville Sahyun, St. Johns, Mich.

No Drawing. Application February 23, 1950, Serial No. 145,895
8 Claims. (Cl. 260—474)

1. A compound selected from the group consisting of (*a*) esters having the formula:



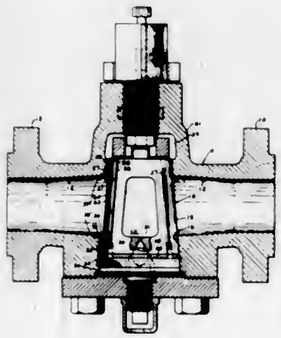
wherein R is a lower-alkyl group, *n* is an integer from the group consisting of two, three, four, and five, X is selected from the group consisting of chlorine, bromine, and iodine, and wherein the phenyl group is attached to a position selected from the group consisting of the three and four positions of the salicylate ring, and (*b*) acid addition salts thereof.

2,584,161

METHOD OF PRODUCING CRACK FREE HARD FACING METAL COATINGS

George F. Scherer, San Francisco, Calif., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

Original application December 1, 1944, Serial No. 566,218. Divided and this application August 20, 1945, Serial No. 611,605
4 Claims. (Cl. 117—71)



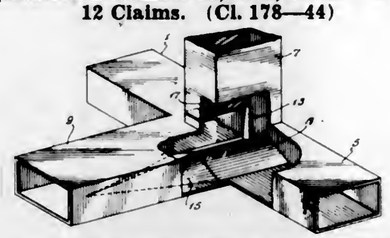
1. In a method of producing a crack free coating of a high melting point hard facing metal of negligible ductility selected from the group consisting of nickel-chromium-boron and cobalt-chromium-tungsten alloys upon a bearing surface of a steel valve member, the steps of depositing in molten condition directly upon said surface an intermediate cooling stress absorbing layer of a ductile elastic metal selected from the group consisting of nickel and predominantly nickel alloys and then depositing in molten condition a layer of said hard facing metal over said intermediate layer when the latter has hardened.

2,584,162

IMPEDANCE MATCHING DEVICE FOR WAVE GUIDE JUNCTIONS

Samuel Sensiper, Cambridge, Mass., Robert B. Muchmore, Los Angeles County, Calif., and Joseph V. Hupcey, Hempstead, N. Y., assignors to The Sperry Corporation, Great Neck, N. Y., a corporation of Delaware

Application December 15, 1948, Serial No. 65,362
12 Claims. (Cl. 178—44)



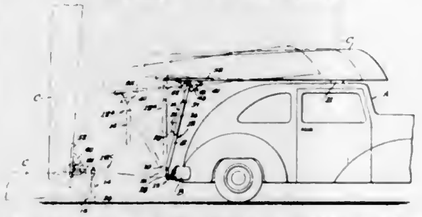
1. In an electromagnetic wave transmission device of the hybrid tee type comprising hollow wave guides joined at a common junction to form two collinear arms, a series arm perpendicular to said collinear arms and a parallel arm perpendicular to said collinear arms and to said series arm, an impedance matching structure including a triangular prism of conductive material lying on one of its sides in said junction at the surface facing said series arm and with its longitudinal axis parallel to said parallel arm, a pyramidal extension at the end of said prism tapering to an apex within said parallel arm, and a conical post on the upper edge of said prism extending into said series arm.

2,584,163

BOAT LOADING AND CARRYING MEANS

Fred H. Squires, Arcadia, Calif.

Application February 12, 1947, Serial No. 728,078
21 Claims. (Cl. 224—42.03)



1. A device of the character described comprising means secured to a vehicle, a rigid frame hingedly connected to said means to move rearwardly of the vehicle in a vertical plane between an angular position directed toward the vehicle and a position approximately parallel to the ground at the rear of the vehicle, and means on the end of said frame for holding a boat in inverted position above the top of said vehicle and for presenting said boat in right-side-up position upon moving the frame to the ground-parallel position.

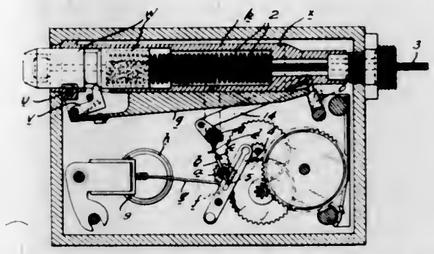
2,584,164

RIP CORD OPERATING DEVICE FOR PARACHUTES

William James Stallan, Cambridge, England

Application September 19, 1947, Serial No. 775,004
In Great Britain October 4, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 4, 1965
9 Claims. (Cl. 244—150)

1. An operating device for connection to a rip cord on a parachute without disabling its ordinary manual control, which comprises a power accumulator to operate said rip cord, a connector engaging said rip cord with said power accumulator, a detent restraining the release of power from said power accumulator, a delay meter for locking said detent against release during a predetermined delay, said delay meter including a power accumulator and a governor limiting the rate of release of power from said power accumulator of the delay meter, and dual stops



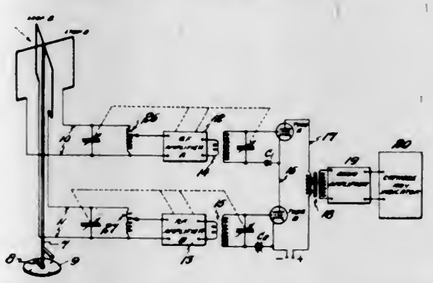
each of which is adapted to hold the delay meter against starting its measurement of the delay, a barometric motor primarily responsive to the existing barometric pressure of the surrounding atmosphere connected to one of said stops to remove it from holding relation to said delay meter in response to a predetermined barometric pressure, and a mechanical connection to the other stop extending to the exterior of said device for removing it from blocking relation when the wearer starts his descent.

2,584,165

INTERFERENCE PREVENTION CIRCUIT

Alfred R. Starr, New York, N. Y.

Application August 21, 1948, Serial No. 45,460
16 Claims. (Cl. 343—113)



1. In a radio receiving system, a plurality of signal intercepting means, radio frequency amplifiers connected therewith and tuned to different frequencies, thermionic devices having input circuits connected with said amplifiers and output circuits connected in series relation to produce a resultant signal related to the common components of the combined output of said signal intercepting means.

2,584,166

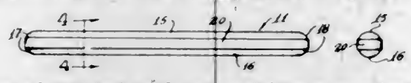
SUPPOSITORY

William G. Stevenson, Lakeside, Quebec, and William E. MacKinnon, Montreal, Quebec, Canada, assignors to Ayerst, McKenna & Harrison Limited, St. Laurent, Quebec, Canada, a corporation of Canada

Application May 25, 1948, Serial No. 29,058
10 Claims. (Cl. 167—64)

1. A bougie consisting of dry free-flowing

comminuted material compressed into the form



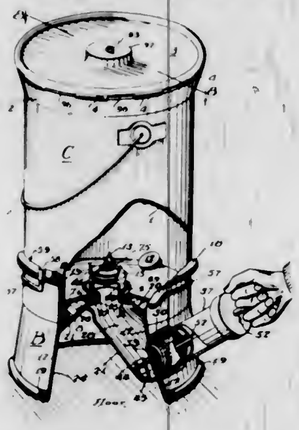
of an elongated rod, comprising a medicament and a major amount of sorbitol.

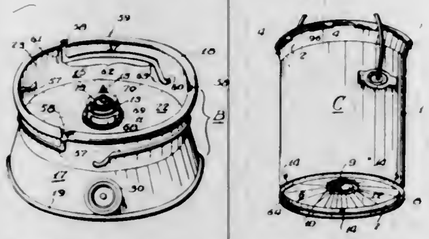
2,584,167

BASE FOR SUPPORTING AND PUNCTURING A FLUID CONTAINER AND MEANS TO WITHDRAW THE FLUID FROM SAID CONTAINER

Edwin P. Sundholm, Albert City, Iowa, assignor to Our Savior's Evangelical Lutheran Church, Albert City, Iowa, a corporation of Iowa

Application February 14, 1946, Serial No. 647,444
20 Claims. (Cl. 226—125)





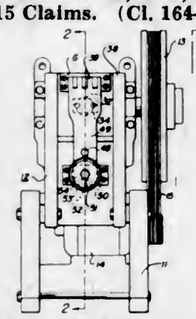
1. Fluid-dispensing apparatus for dispensing generally viscous fluids from an original vendable merchandising container by suction applied to an outlet-opening formed in the bottom of such container while the top of the container, above the contents thereof, is vented to the atmosphere, said dispensing apparatus including a base having a bottom portion adapted to rest on the floor or like generally horizontal surface and having an upper generally co-axial container-receiving portion for receiving a generally cylindrical orginal vendable merchandising container and for operatively supporting it, an upper inlet opening disposed generally centrally of said container-receiving portion of the base, a suction-receiving socket on the side of said base, adapted detachably to receive and interlockingly and sealingly to engage the inlet end of the reservoir-barrel of a grease-gun or like suction-producing device, a conduit intermediate said upper inlet opening of the base and the suction-receiving socket of the base, and in communication with each, a generally cylindrical original vendable merchandising container adapted to be disposed in a generally upright position on said container-receiving portion of the base and to be rotated relative thereto in generally co-axial relation thereto, a co-operating interlock on said base and said container arranged to draw said container towards said base, a sealing-ring surrounding said upper inlet opening of said base, the axial distance between the bottom of the container and the lowermost edge of the side-wall of the container, when the container is not attached to the base, being substantially different than the distance between the level of the container-receiving portion of the base and the upper surface of the sealing-ring of the base, so that when the container is drawn to the base by said interlock, the bottom of the container will be dished and tensioned when the bottom of the container and the sealing-ring on the base are pressed into sealing contact with each other by said interlock, and a container-opener for opening the bottom of said container in an area in registration with said upper inlet opening of the base.

2,584,168

EJECTING MECHANISM

Walter S. Sutowski, Garfield Heights, Ohio, assignor to Freeway Washer and Stamping Company, a corporation of Ohio

Application November 21, 1947, Serial No. 787,295
15 Claims. (Cl. 164—33)



2. A mechanism for operating a push-out device for ejecting stampings from the die mounted on a punch press, said press having a ram and a frame, said ram being reciprocal to advance toward, and to withdraw from, said die and said push-out device being reciprocal to retract, and to extend, relative to said die, said mechanism comprising in combination, resilient means adapted to receive and release energy, first operating means operatively connected to said ram and said resilient means for recurrently imparting energy to said resilient means upon advancing movement of said ram toward said die and recurrently releasing energy from said resilient means upon withdrawing motion from said die, and second operating means connecting said resilient means and said push-out device to recurrently extend said push-out device upon the release of energy by said resilient means, said operating means including motion-dividing means to provide for an extending movement of said push-out device less than, and at a rate proportionate to, the withdrawing movement of said ram.

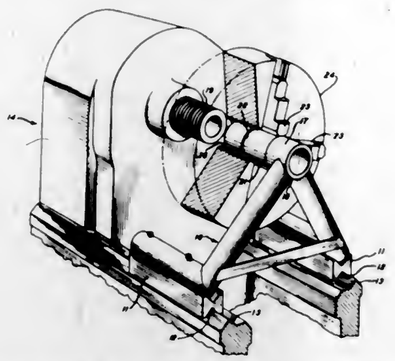
2,584,169

LATHE CHUCK SUPPORT

Clifford R. Terry, San Diego, Calif.

Application April 28, 1949, Serial No. 90,212
4 Claims. (Cl. 82—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A chuck support for supporting a chuck during mounting on, and demounting from a lathe, comprising a pair of spaced, parallel runners having on a face of each a V slot adapted to slidably mount on the guideways of the bed of the lathe, a frame secured to and extending upwardly from said runners and connecting same, and a tubular spindle secured to said frame, extending over said



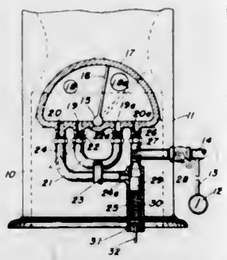
runners, parallel thereto, and in line with the spindle of the lathe and adapted to receive a lathe chuck during mounting and demounting, said spindle having a shoulder thereon to permit clamping of chuck jaws thereover to restrain the chuck from axial movement.

2,584,170

GOVERNOR MECHANISM

Robert H. Thorner, Detroit, Mich.

Application May 17, 1946, Serial No. 670,402
3 Claims. (Cl. 123—103)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



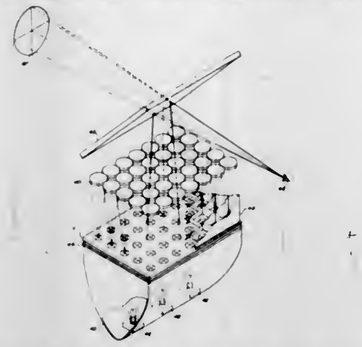
1. In an internal combustion engine having means adapted to maintain constant engine speed by varying the load thereon, a torque device to supply fluid under pressure which varies in accordance with engine torque, and a throttle valve in the induction system for regulating the torque, the combination comprising; a torque regulator having first and second variable chambers and a movable wall separating said chambers, means connecting said wall to said throttle valve for effecting movements of the latter in response to movements of the former, means operable within the governed range of operation of said engine continuously open to and supplying said chambers with liquid delivered from said torque device, and means operable in response to variations in pressure in said torque device varying the pressure in the last-mentioned means supplying at least one of said chambers thereby to maintain said wall in a position such that the throttle valve will effect preselected engine torque.

2,584,171

GUN SIGHT HAVING A PLURALITY OF ILLUMINATED RETICLES

Richard Tousey, Forest Heights, Md.

Application February 25, 1943, Serial No. 477,030
3 Claims. (Cl. 88—2.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



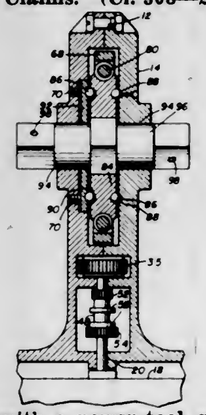
1. An optical alignment apparatus comprising a source of illumination, a plurality of substantially identical reticle-lens pairs in which the reticle is positioned axially with respect to its associated lens, and a plane transparent reflector arranged at an angle to the axis of the reticle-lens system, all of said lenses being arranged to lie in the same plane and all of said reticles being arranged to lie in a plane parallel to said lens plane, the elements of the system combining light from an object viewed through the reflector with light from the reticles to give a virtual image of a single reticle superimposed on the object viewed.

2,584,172

ANTIFRICTION THRUST BEARING FOR ELECTRIC SOCKET WRENCHES

Burl R. Underwood, Ypsilanti, Mich.

Application April 1, 1947, Serial No. 738,543
3 Claims. (Cl. 308—233)



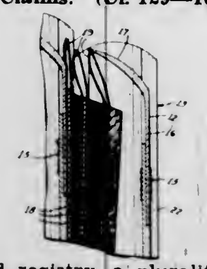
1. For use with a power tool, means for rotatively supporting a socket lug comprising a pair of housing sections one of which being provided with a recess, a plate having a groove disposed in said recess, a lug supporting gear disposed between said housing sections, a groove in said gear opposite said first mentioned groove, rolling means disposed in both of said grooves, and means carried by one of said sections for adjusting selectively the distance between said plate and said gear.

2,584,173
TILTABLE PANEL ASSEMBLY
Jess Van Fowler, San Diego, Calif.
Application December 2, 1947, Serial No. 789,259
3 Claims. (Cl. 312—303)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



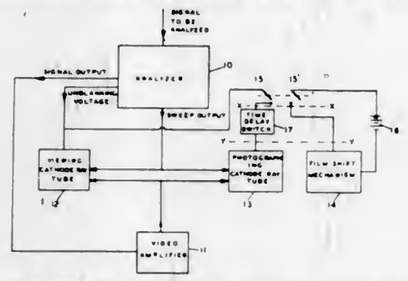
2. A tiltable panel assembly comprising a drawer, a front panel for the drawer, side walls secured transversely to said panel at each side thereof, embracing said drawer, a first elongate recess in each wall having a substantially horizontal portion and a substantially vertical portion extending downwardly from the inner end of the horizontal portion and communicating with the bottom edge of the wall, a first pin secured to each side of the drawer and riding in said recess, said first elongate recess enabling separation of said panel side walls from said first pin upon movement including tilting of said panel and side walls relative to said drawer, a second elongate recess in each wall located between said first recess and said panel, each said second recess having a horizontal portion and a vertical portion extending upwardly from the outer end of the horizontal portion, and a second pin in each side of the drawer riding in said second recess, said pins being initially located in the portions of the recesses nearest said panel to enable subsequent outward sliding movement of the panel and panel side walls relative to said drawer.

2,584,174
ACCOUNTING AND FILING SYSTEM
Herbert Weston, New York, N. Y., assignor to Visirecord, Inc., Long Island City, N. Y., a corporation of New York
Application June 3, 1950, Serial No. 165,967
4 Claims. (Cl. 129—16)



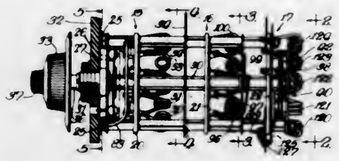
1. In a card registry, a plurality of dividers, the dividers comprising end rails of appreciable thickness and sheets connecting the end rails, the end rails when assembled forming substantially solid side walls and forming spaces between the sheets for the reception of cards, the upper portions of the sheets forming the body of the dividers being of transparent material, said transparent portions extending upwardly and rearwardly and being of thermoplastic material, said transparent portions in their upward and rearward direction having a length at least substantially as great as the width of the spaces between the sheets in a direction normal to the surfaces of the sheets, and a length in said direction sufficient that when said transparent portions are heated above their softening point they will sag and substantially bridge the upper portion of the space between the sheets.

2,584,175
PHOTOGRAPHIC WAVEFORM RECORDER FOR CATHODE-RAY TUBE INDICATORS
Everard M. Williams, Dayton, Ohio
Application August 4, 1944, Serial No. 548,129
8 Claims. (Cl. 346—110)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a signal analyzing system, two cathode ray tubes connected in parallel, means for simultaneously applying the same signal and sweep potentials to said two tubes, means to maintain one of said tubes in a normally unblanked condition and the other of said cathode ray tubes in a normally blanked condition, photographic means facing the screen of said normally blanked cathode ray tube and including an intermittent film shifting mechanism, a circuit for actuating said film shift mechanism, a circuit for unblanking said normally blanked cathode ray tube, and unitary means for sequentially closing said circuits.

2,584,176
TELEVISION TUNER
Raymond R. Wingert, Chicago, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application October 28, 1949, Serial No. 124,045
11 Claims. (Cl. 171—119)



1. Variable inductance means for a television tuner comprising an annular insulating member, a plurality of circumferentially spaced terminals mounted on said insulating member, a linear conductor mounted on said insulating member and having electrical connections to certain of said terminals at various points along the length of said conductor, with the portions of said linear conductor defined by said terminals having predetermined amounts of inductance depending upon the dimensions thereof, a second conductor supported by said insulating member and having a series of coil portions therein along the length thereof, said coil portions respectively being connected to certain of said terminals and having predetermined amounts of inductance, a plurality of stationary contacts supported by said insulating member and respectively connected to all of said terminals, a rotary contact element disposed centrally of said insulating member and cooperating selectively with said stationary contacts, and conductive means for connecting both of said conductors and said rotary contact element in an electric circuit, with said linear conductor and said second conductor affording variable amounts of inductance for such circuit depending upon the setting of said contact element.

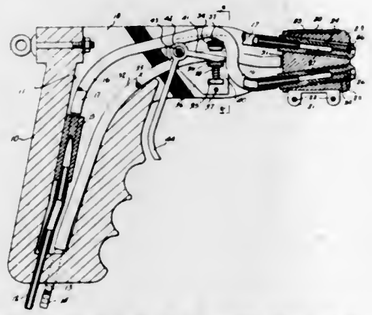
2,584,177
MODIFIED AMINOPLASTS AND PRODUCTS PREPARED THEREFROM
Henry P. Wohnsiedler, Darien, Edward L. Kropa, Old Greenwich, and Walter M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 19, 1948, Serial No. 21,856
20 Claims. (Cl. 154—110)

17. A post-formable laminated article comprising superimposed sheets of fibrous material impregnated and bonded together with (1) a thermoset product of reaction of ingredients comprising (*a*) formaldehyde and (*b*) a monomeric amidogen compound containing not less than two amidogen groupings each having two hydrogen atoms attached to the amidogen nitrogen atom, said product of (1) being plasticized with (2) a preformed linear polymeric material which is a reaction product of (A) epsilon-caprolactam and (B) a compound represented by the general formula



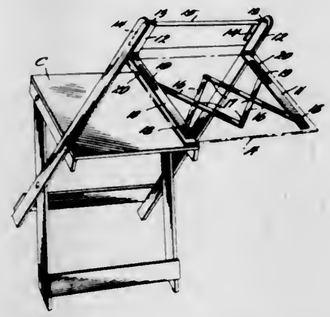
where R represents a member of the class consisting of hydrogen, alkyl radicals and monohydroxyalkyl radicals, the ingredients of (A) and (B) being the sole reactants used in forming the said linear polymeric material and being employed in the ratio of 1 mole of the former to from 1 to 20 moles of the latter, the linear polymeric material of (2) having an average molecular weight of not more than 2000, an intrinsic viscosity not higher than 0.35 and constituting from 5 to 50% by weight of the total of (1) and (2).

2,584,178
SPRAY GUN
Alfred Abbott and Abbott Abbott, Albany, N. Y.
Application September 17, 1948, Serial No. 49,766
2 Claims. (Cl. 299—143)



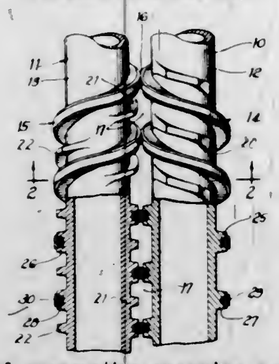
1. In a spray gun, a hollow handle, a pair of spaced supports arranged transversely of and adjacent to one end of said handle and each having one end fixedly secured to said handle, a nozzle positioned adjacent the other end of said supports and connected thereto, a pair of flexible conduits arranged in side by side relation with respect to each other longitudinally of and within said handle and each having one end adjacent to the other end of said handle and adapted for connection to a source of fluid supply, the other end of said pair of conduits extending through and out of said one end of said handle between said supports and connected to said nozzle for conducting fluid to said nozzle, a first fixed bar arranged transversely of and on one side of said conduits adjacent to and spaced from said nozzle and engageable with the adjacent portion of each of said conduits, a second bar positioned on the other side of said conduits in parallel spaced relation with respect to said first bar and connected to said first bar for movement toward and away from the latter, spring means connected to said second bar for biasing the latter toward said first bar to thereby simultaneously press said pair of conduits between said bars, and hand actuable means positioned between said supports adjacent said one end of said handle and rockably supported in said supports, one end of said hand actuable means being engageable with said second bar and the other end being exteriorly of said supports for effecting the movement of said second bar away from said first bar to thereby simultaneously release said conduits from pressing engagement with said bars.

2,584,179
ADJUSTABLE CARDHOLDER SUPPORT
Stephen J. Adams, Swoyersville Borough, Luzerne County, Pa., assignor of one-half to Al. J. Kane, Wilkes-Barre, Pa.
Application March 19, 1948, Serial No. 15,885
2 Claims. (Cl. 211—105)



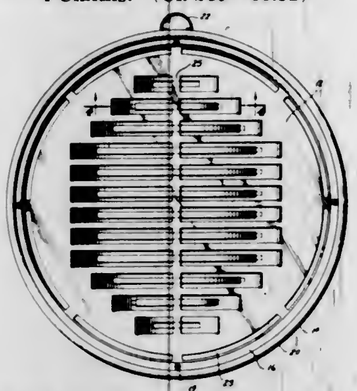
1. A card holder for chair backs and church pews, comprising a pair of parallel side members, each member having at one end thereof an integral angularly extending hook, the angle being other than a right angle, said hook consisting of continuously connected upstanding and depending portions, an elongated slot in each side member at the end thereof adjacent said hook, pairs of link elements pivotally connected at their centers, each pair of link elements being also pivotally connected at one end thereof, the ends of one pair of link elements being pivotally connected to the ends of said side members remote from said hook, the ends of the other pair of link elements being slidably and pivotally connected to said side member slots.

2,584,180
SNAPPING ROLL WITH MATING SPIRAL RUBBER RIBS
John L. Aasland, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 29, 1948, Serial No. 57,311
1 Claim. (Cl. 130—5)



A pair of cooperative snapping and husking rolls comprising elongated parallel cylindrical portions, oppositely wound mating spiral ribs attached to and extending over the cylindrical surface of both of the cooperative rolls, said spiral ribs having their convolutions spaced apart to form a corn stalk confining pocket, and resilient means associated with said spiral ribs adapted to provide a yieldable outer surface for said ribs in cooperation with each other, said spiral ribs including spiral channel members and rubber strips filling said spiral channel members and extending radially outwardly therefrom.

2,584,181
ANTIGLARE HOUSING FOR HEAD LAMPS
William C. Bauman, Hayward, Calif.
Application August 6, 1949, Serial No. 109,010
4 Claims. (Cl. 240—46.51)



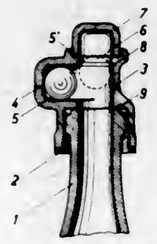
3. A glare controlling device for headlamps comprising a tubular housing adapted to be mounted on a headlamp, a closure for the outer opening of the housing comprising a translucent disk formed with horizontal slots disposed in superposed relation from top to bottom of the disk, primary translucent strips of arcuate form extending from end to end of the horizontal slots inside the housing, said strips being formed centrally with a longitudinal slot, and secondary translucent strips of arcuate form extending from end to end of the slots in the primary strips within the arch thereof.

2,584,182
SHOE SPIKE
Joseph R. Bernstein, Chicago, Ill.
Application September 28, 1949, Serial No. 118,249
5 Claims. (Cl. 36—59)



1. A traction element for shoe soles comprising a washer having a central opening and an externally threaded sleeve coaxial with said opening extending normal to the plane of the washer, and a spike having a shank at one end frictionally received within said sleeve.

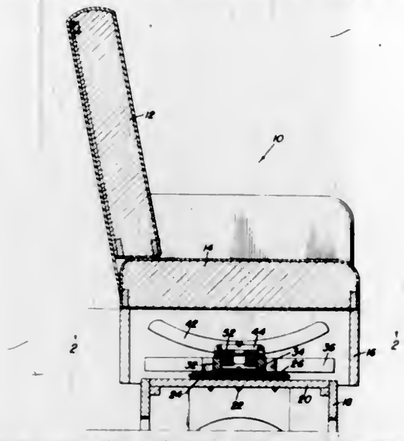
2,584,183
BOTTLE ATTACHMENT DEVICE FOR USE IN PREPARING SPARKLING BEVERAGES
Ernst Blumauer, Graz, Styria, Austria, assignor to Leopold Adolf Polzer, Graz, Styria, Austria
Application September 14, 1949, Serial No. 115,584
In Austria July 15, 1949
14 Claims. (Cl. 99—35)



1. A device attachable to a bottle for use in preparing and subsequently discharging sparkling beverages, comprising in combination, a hollow fitting having a through aperture presenting an internal valve seat, a valve trap communicating with the interior of the hollow fitting, a sleeve portion on one side of said seat for embracing a bottle neck, an outlet portion in the other side of said seat, and closure-attaching means on said outlet portion; releasable means co-acting with said sleeve portion for firmly clamping the fitting on a bottle neck; a valve within the fitting for co-acting with said valve seat under gaseous pressure in the bottle; and means for holding said valve unseated at will.

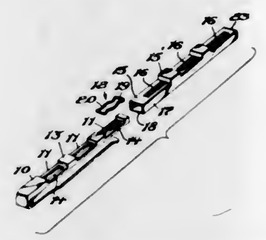
2,584,184
PLATFORM ROCKING CHAIR
Herman E. Brown, Owensboro, Ky.
Application March 29, 1950, Serial No. 152,568
2 Claims. (Cl. 155—71)

1. A revolvable rocking chair comprising; a base having support members adapted to extend upwardly from a floor, and a platform extending substantially horizontally between said support members: a thrust bearing on said platform, said thrust bearing including an annular supporting element substantially centrally affixed on said platform and an annular supported element rotatably mounted on said supporting element for rotation about a vertical axis; means comprising a substantially horizontally extending transverse member rigidly affixed on said supported element and having opposite longitudinal end edges; the free ends of the transverse member providing a pair of spaced substantially parallel horizontal rocker supports; a chair having a seat and a hollow, open-bottomed, generally rectangular skirt dependent therefrom and extending below the top of the base, the minimum dimension between opposite sides of said skirt being appreciably greater than the greatest horizontal dimension across said base whereby said skirt fits freely over said base in all revolved positions of said chair with respect to the base, said skirt including a pair of parallel opposite side-boards rigidly dependent



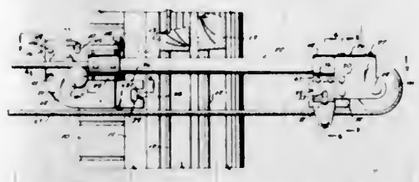
from opposite sides of said seat, the distance between the inner sides of said side-boards being but slightly greater than the distance between the outer edges of said rocker supports; and a pair of rockers oppositely affixed on the inner sides of said side-boards above the lower edges thereof and rockably supported on said rocker supports, whereby said skirt substantially masks said rockers, rocker supports and bearing, and whereby said side-boards prevent lateral movement of said rockers with respect to said rocker supports.

2,584,185
ORNAMENT MOUNTING DEVICE
Leslie W. Cheney, North Attleboro, Mass., assignor to Swank, Inc., a corporation of Delaware
Application January 2, 1948, Serial No. 123
4 Claims. (Cl. 40—140)



1. A jewelry article for mounting an ornament having a rearwardly projecting protuberance, said article comprising a bar with a rectangular recess in its face, a generally rectangular spring in said recess, a cover for said recess over said bar and openings in said bar and cover on opposite sides of said spring, and registering with the opening in said spring to receive said protuberance while being gripped by said spring.

2,584,186
CLOTHESLINE SUPPORT
Ezekiel Coss, Brooklyn, N. Y.
Application April 4, 1950, Serial No. 153,845
3 Claims. (Cl. 211—119.06)

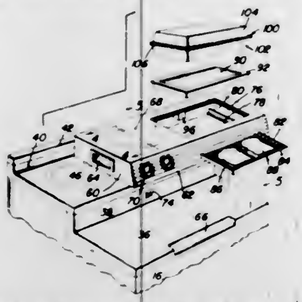


1. A clothesline support comprising a bracket member adapted to be attached to a side of a window frame, a first plate member arranged in end to end relation with respect to said bracket member and connected to the latter member for swinging movement toward and away from the latter, a second plate member arranged in face to face relation with respect to said first plate member and connected intermediate its ends to said first plate member for rotary movement about an axis transverse of the latter, a guide pulley positioned in side by side relation with respect to said second plate member and mounted on said axis for rotation therearound, a hollow arm arranged in end to end spaced relation with respect to said guide pulley and having one end fixedly secured to said second plate member, a second bracket member arranged longitudinally of said arm adjacent the other end of the latter and fixedly secured to the other end of said arm, a pulley arranged longitudinally of said arm adjacent the other end thereof and connected to said bracket member adjacent one end thereof for rotation about a second axis transverse of said bracket member for supporting a clothesline, a guide member positioned on said arm intermediate said second plate member and said second bracket member and mounted on said arm for sliding movement into and out of engagement with said plate member and said second bracket member, a third plate member arranged longitudinally and inwardly of the other end of said second bracket member and fixedly secured to the other end of said second bracket member, an extension arranged longitudinally of and inwardly of said second plate member and carried by the latter, and a securing element arranged transversely of and extending through said guide member and engageable with means formed on said third plate member when said guide member is in engagement with said third plate member and with means formed on said extension when said guide member is in engagement with said extension.

2,584,187
ELECTRIC STOVE WITH PORTABLE GRILL
Jack W. Crist, Beachwood, N. J.
Application March 28, 1949, Serial No. 83,989
2 Claims. (Cl. 219—37)

1. In combination with an electric range having a cooking top and a forwardly positioned flat top disposed in a horizontal plane below the cooking top, a portable grill detachably disposed on the flat top with the top of said grill disposed in the same horizontal plane as the cooking top, hand grip means for seating and removing said grill on the flat top of the range, means electrically connecting the grill with the electrical system of the range, cooking components carried by the grill, means electrically connecting said

components to said last mentioned means, said grill being provided with a vertical opening, guide



rails in said opening, and a toaster including an open frame having parallel rods secured therein and slidably disposed on said rails.

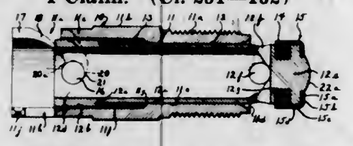
2,584,188

DRAIN VALVE

Russell R. Curtis, Dayton, Ohio, assignor, by mesne assignments, to Curtis Automotive Devices, Inc., Dayton, Ohio, a corporation of Ohio

Application January 30, 1946, Serial No. 644,387

1 Claim. (Cl. 251—132)



A drain valve comprising a tubular valve body having a valve seat at one end and oppositely inclined bayonet slots in the other end, a tubular valve member slidably mounted in said body having a closed end adjacent the valve seat, said valve member having openings therethrough adjacent said closed end to connect the interior of the valve member with the space surrounding the valve seat end of the body, a spring in said body acting on the valve member to urge it toward the slotted end of the body for retracting the openings into the body, radially projecting means on the closed end of the valve member for engaging said valve seat of the body, radially extending handles on the open end of the valve member extending through said bayonet slots, said bayonet slots having reentrant recesses at the inner ends thereof to retain said handles for holding the valve member in opened position with the ports thereof extending beyond the valve seat of the body, and said slotted end of the body having a projection extending into the outer free end of one of said bayonet slots for engaging one of said handles to prevent accidental removal of the valve member from the body.

2,584,189

METHOD OF MAKING EXTENDED SURFACE HEAT EXCHANGERS

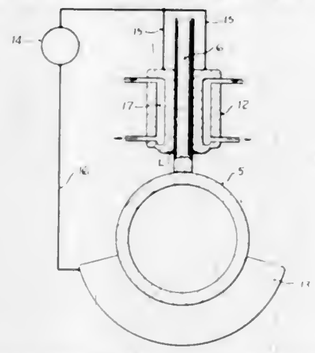
David Dalin, Stenkullen, Ronninge, Sweden, assignor to A/B Svenska Maskinverken, Sodertalje, Sweden, a corporation of Sweden

Application March 21, 1949, Serial No. 82,572

In Sweden October 16, 1948

12 Claims. (Cl. 219—10)

1. The hereindescribed method of fabricating a composite article having a metal base wall and a plurality of closely spaced rod-like elements of metal having an electrical conductivity of between 100 percent and 30 percent that of copper projecting therefrom, which method comprises: holding an element in a holder with one end portion of the element projecting a short distance from the holder; pressing the projecting end of the element against the surface of the base wall by means of said holder; passing an electric current of flow voltage and high amperage through the base wall and the pro-



jecting end portion of the element while maintaining the pressure between the element and the base wall to thereby bring the contacting portions of the element and base wall to welding temperature and soften the portion of the element lying between the base wall and the holder; and maintaining said current and pressure until the portion of the element in juxtaposition to the base wall is spread out over and welded to the base wall.

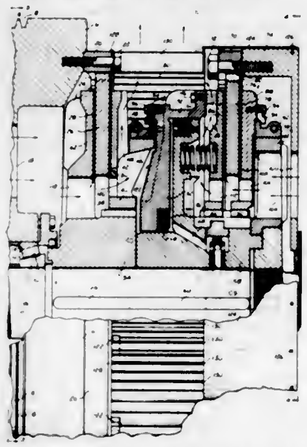
2,584,190

AIR-COOLED PRESS BRAKE AND CLUTCH ASSEMBLY

Philo H. Danly, Hinsdale, George I. Danly, Elmhurst, and Vasil Georgeff, Chicago, Ill., assignors to Danly Machine Specialties, Inc., Chicago, Ill., a corporation of Illinois

Application November 3, 1947, Serial No. 783,744

2 Claims. (Cl. 192—12)



1. A clutch and brake assembly for presses, including in combination, a flywheel adapted to be continuously rotated by a prime mover, a shaft adapted to be driven from said flywheel, a clutch plate carried by said flywheel for rotation therewith, a coacting clutch member, means for mounting said clutch member for rotation with

said shaft and for movement longitudinally thereof, a stationary frame, a brake plate carried by said frame, a coacting brake member, means for mounting said brake member for rotation with said shaft and for movement longitudinally thereof, means for connecting said brake member and said clutch member, spring means for biasing said brake member into engagement with said brake plate and simultaneously moving said clutch member out of engagement with said clutch plate, fluid pressure means for moving said brake member out of engagement with said brake plate and simultaneously moving said clutch member into engagement with said clutch plate against the action of said spring means, air inlet apertures formed in said flywheel, said clutch plate, said clutch member, and said frame, the apertures in said brake plate, said clutch plate, clutch member and said brake member being positioned adjacent said shaft, said brake and clutch parts being formed with radially extending passages adapted to permit the passage of cooling air, said clutch plate being spaced from said brake plate longitudinally of said shaft, a plurality of centrifugal fan blades carried by said flywheel and positioned between the planes of said brake and clutch plates, said blades forming a fan adapted to draw air through said passages to cool the clutch and brake structures.

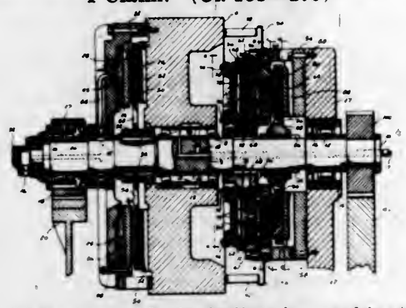
2,584,191

BRAKE ASSEMBLY FOR PRESSES

Philo H. Danly, Hinsdale, George I. Danly, Elmhurst, and Vasil Georgeff, Chicago, Ill., assignors to Danly Machine Specialties, Inc., Chicago, Ill., a corporation of Illinois

Application March 19, 1949, Serial No. 82,422

1 Claim. (Cl. 188—170)



A brake assembly including in combination a shaft, a frame, a brake housing carried by the frame, a cover for the housing, an annular stationary brake plate carried within the housing, an annular longitudinally movable brake plate carried within the housing, means for preventing relative rotation between the brake housing and the movable brake plate, the stationary brake plate being formed with radially extending passageways, said cover member being formed with radially extending passageways adjacent the movable brake plate, a brake disk secured to the shaft for rotation threwith and positioned between the brake plates, springs positioned between the housing and the movable brake plate adapted to clamp the brake disk between the brake plates to immobilize the brake disk, means for moving the movable brake plate against the action of the springs to release the brake disk, apertures formed in the brake disk, friction blocks movably positioned in the apertures between the brake plates, and means for continuously passing air through said radially extending passageways whereby continuously to cool the brake plates.

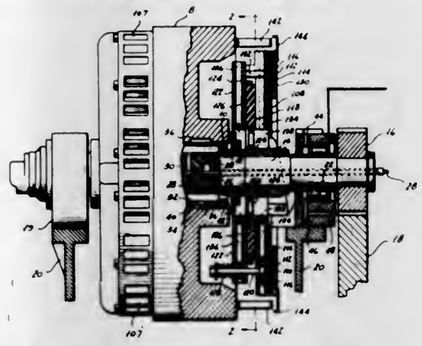
2,584,192

FLUID PRESSURE RELEASED BRAKE

Philo H. Danly, Hinsdale, George I. Danly, Elmhurst, and Vasil Georgeff, Chicago, Ill., assignors to Danly Machine Specialties, Inc., Chicago, Ill., a corporation of Illinois

Original application November 3, 1947, Serial No. 783,745. Divided and this application July 14, 1949, Serial No. 104,702

2 Claims. (Cl. 188—170)



1. A brake assembly including in combination a shaft, a frame, an annular stationary brake plate carried by the frame, an annular axially movable brake plate carried by the frame, springs for urging said brake plates toward each other, said brake plates being formed with radially extending passageways extending therethrough, a disc secured to the shaft for rotation therewith, said disc being formed with a plurality of apertures, friction blocks movably positioned in the apertures between the brake plates, means for moving the axially movable brake plate against the action of the springs to release the brake disc and friction blocks from the clamped position, and means for continually passing air through the radially extending passageways whereby continuously to cool the brake plates and friction blocks.

2,584,193

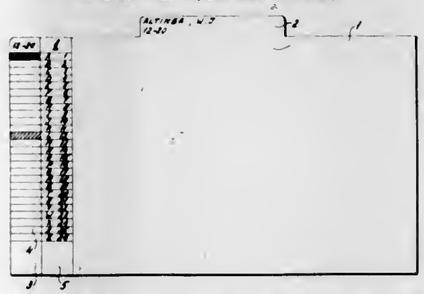
ALPHABETIC INDEX SYSTEM

Marius den Outer, Rotterdam, Netherlands

Application April 17, 1947, Serial No. 742,157

In the Netherlands January 3, 1947

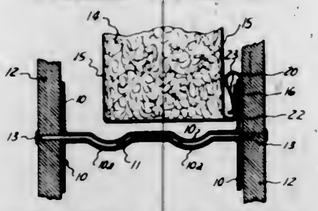
4 Claims. (Cl. 129—16.5)



1. An alphabetic vertical index system comprising a plurality of groups of vertically disposed similarly shaped index elements each having a uniformly shaped tab projecting above its upper edge at an area spaced from its side edges said tab being provided with headings to identify the individual elements, the elements of each group being arranged in laterally equal offset relation and in alphabetical order of their headings, thereby exposing an equal lateral marginal area of each underlying card one of the lateral

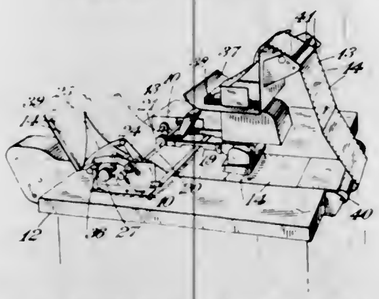
margins of each of the said elements having a number of appropriately designated adjacent indicia receiving columns each including spaced horizontal lines, the interspaces between the lines being successively indicated in at least one of the said columns by the letters of the alphabet to facilitate proper filing of the elements.

2,584,194
SECURING DEVICE
Cooper C. Drury, Dallas, Tex.
Application November 2, 1946, Serial No. 707,431
5 Claims. (Cl. 189—35)



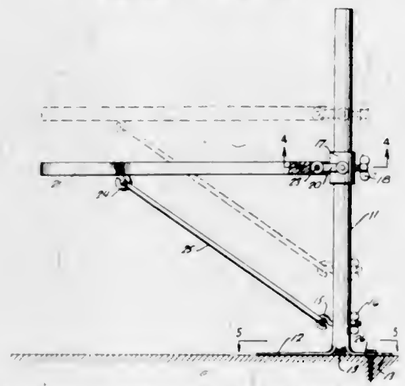
5. In combination, a steel framing member having a flange, and a securing clip engaged with the flange and releasably clamping material to said flange and including, a unitary member of resilient material having an elongate leg member and a shorter clamping arm member connected by a resilient loop, the free end of said clamping arm member resiliently bearing against the material and clamping it against the flange, said clamping arm member having an outturned curved tip facilitating entry of one edge of the flange and material between said arm member and leg member whereby the flange and material are received and releasably clamped therebetween, and an integral curved catch toe on the free end of the leg member engaging the opposite edge of the flange and restraining the clip against displacement from the framing member flange.

2,584,195
STATIONERY FEED MECHANISM FOR IMPRINTING MACHINES
Albert Evans, London, England, assignor to W. H. Smith & Son Limited, London, England, a British company
Application April 26, 1946, Serial No. 665,232
In Great Britain September 4, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 4, 1964
3 Claims. (Cl. 271—2.4)



1. For an imprinting machine of the type described and including a reciprocatory carriage movable over a table, an attachment comprising, as a unitary structure, a frame arranged for connection to the table of the imprinting machine, a feed-shaft supported for rotation by the frame, web-feeding means and coupling means between the reciprocatory carriage and the feed-shaft consisting of a cross-shaft supported by the attachment frame for rotation, a flexible coupling element secured to the cross-shaft, partly wound around the shaft and connected to the reciprocatory carriage for rotation of the shaft on movement of the carriage in the forward direction, a one-way pawl and ratchet wheel driving connection between the cross-shaft and the feed-shaft, a stop limiting the rotation of the feed-shaft, a lost-motion device permitting continued rotation of the cross-shaft after limitation of the rotation of the feed-shaft and a spring urging the cross-shaft for rotation in the reverse direction.

2,584,196
ADJUSTABLE IRONING BOARD
Alvin E. Fernandes, Eureka, Calif.
Application May 17, 1949, Serial No. 93,759
2 Claims. (Cl. 38—127)



1. An ironing board of the character described comprising a tubular standard formed with a plurality of radial feet supporting said standard in vertical position, a sleeve member slidably mounted on said standard, a set screw threaded through said sleeve member and engaging said standard, a pair of parallel side links pivotally connected to said sleeve member, a board element pivotally secured at its rear end to the ends of said side links, the standard being formed with a plurality of vertically-spaced, diametrically-opposed sets of openings at its lower portion, an eye bolt secured in one set of said openings, and a strut bar pivotally connected at one end to the under side of the board element and at the other end to said eye bolt.

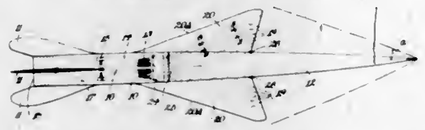
2,584,197
CONVERTIBLE LADDER
Herbert L. Garner, Sheridan, Ark.
Application November 8, 1949, Serial No. 126,158
1 Claim. (Cl. 228—23)

A convertible ladder comprising a first section including a pair of spaced apart and substantially parallel side rails, steps disposed between said side rails at equally spaced intervals along the latter and secured at their respectively opposite ends to the side rails, said steps being substantially parallel to each other and extending transversely of said side rails from corresponding edges thereof a distance intermediate the width of the side rails, and at least one ladder rung extending between said side rails near one end of said first section and disposed on the edges of said side rails from which said steps extend, a second section receivable between the side rails of said first section and including a pair of substantially parallel side rails and ladder rungs extending between the last mentioned side rails at substantially equal intervals therealong and disposed on corresponding edges thereof, means pivotally connecting said second section at one end thereof to said first section near said one end of the latter, said second section having three operative positions relative to said first section in one of which the second section is received between the side rails of the first section with the edges of the side rails of the second section remote from the associated rungs bearing against the edges of the steps disposed intermediate the width of the first section side rails, in the second of which both of said sections diverge from said pivotal connection with the



rungs of said second section at the side of the latter remote from said first section, and in the third of which said second section extends outwardly from said one end of said first section with the rung carrying edges of the side rails of said second section in substantial alignment with the first section side rail edges from which said steps extend, the rung carrying edges of the second section side rails bearing against the ladder rung of said first section, said pivotal connection including a lost motion arrangement to permit movement of said second section relative to said first section between said first and third positions, and a platform pivotally connected at one end to one of said sections adjacent said pivotal connection and engageable at its other end with the other of said sections to releasably secure said sections in said second position.

2,584,198
SUPERSONIC AIRCRAFT AND WING STRUCTURE THEREFOR
Alan Arnold Griffith, Derby, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application February 21, 1949, Serial No. 77,603
In Great Britain September 7, 1948
6 Claims. (Cl. 244—15)



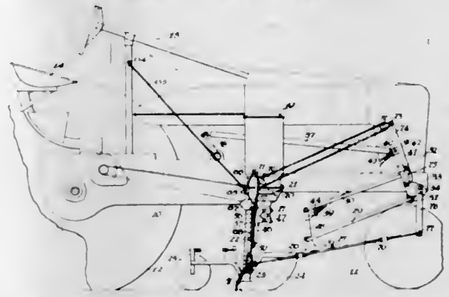
1. In a supersonic aircraft, the combination of a fuselage, and air-consuming power-plant in said fuselage, a wing-structure comprising a wing on either side of said fuselage each of which wings has a root joining it to said fuselage, said wings each comprising an upper surface-member to provide an upper defining surface and a lower surface-member to provide a lower defining surface, said surfaces being joined together at a trailing edge common to both of them, and each of said surface-members having a forward edge spaced from the other surface-member over substantially the whole length of the edge, and an air-passage in each of said wings extending from said forward edges to said power-plant which air passages are of divergent cross-section from said forward edges.

2,584,199
SKIRT HANGER
Harry Grossman, Cleveland, Ohio
Application June 30, 1950, Serial No. 171,373
4 Claims. (Cl. 223—95)



1. In a skirt hanger, a hanger bar having hook assemblies on its opposite ends, each of said hook assemblies comprising a circular guard provided with an aperture positioned in the plane of said bar, and a crook portion positioned in a plane transverse of the plane of said bar, said crook portions having terminals formed as skirt piercing pin points directed toward the apertures of said circular guards, whereby said guards serve to prevent unwanted contacts with the pin points.

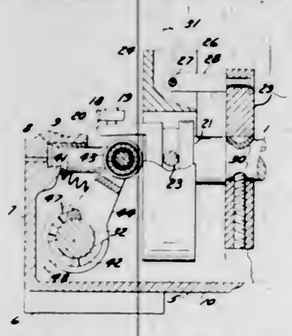
2,584,200
TRACTOR-MOUNTED IMPLEMENT AND MARKER
Frederick E. Hand, Canton, and William O. Graham, Lewistown, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application March 23, 1946, Serial No. 656,554
1 Claim. (Cl. 97—230)



A tractor-mounted implement and marker, comprising a tilling unit mounted on a tractor for vertical movement between lowered operating and raised transport positions, a marker mounted on the tractor independently of the unit for vertical swinging movement between a lowered laterally-extending operating position and a substantially upright transport position, a rockable structure on said tractor and means on the tractor to rock said structure, connecting means between the rockable structure and the unit for

moving the unit between its operating and transport positions by rocking of said structure, other connecting means between the rockable structure and the marker to move the marker between its operating position and a laterally-extending raised position intermediate its operating and transport positions by rocking of said structure, a detent mechanism carried by the tractor, and a quadrant carried by the marker having a notch therein engageable by said detent to hold the marker in its transport position, said quadrant having another notch therein engageable by said detent to hold the marker in its intermediate position when the rockable structure is rocked to move the unit to its transport position and the marker to its intermediate position, said last-named notch and the connecting means for the marker permitting movement of the marker to its transport position without interference; whereby the marker is raised to its intermediate position upon raising of the unit, and the marker may be moved to its transport position without interference to reduce the lateral extent of the marker for transport through narrow spaces.

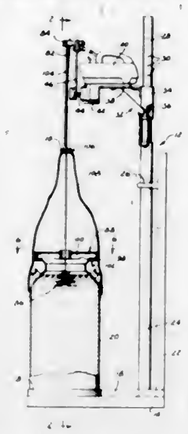
2,584,201
VARIABLE SPEED TRANSMISSION
Fred G. Hansen, Toledo, Ohio
Application January 6, 1949, Serial No. 69,456
2 Claims. (Cl. 74—112)



1. A drive shaft, a driven shaft, an intermittent grip device mounted on the driven shaft, said device including a rock arm extending radially from the driven shaft, an endless track providing disk encircling the drive shaft, a fulcrum mounting for the disk eccentric of the drive shaft, means for rocking the disk on its fulcrum to shift the disk toward and from perpendicular plane relation to the drive shaft, said arm free end having a bearing, spring means normally directing the arm bearing to contact the disk track, and mounting means for effecting relative rotation between the disk and device for the rock positioned disk to oscillate the arm and actuate the driven shaft.

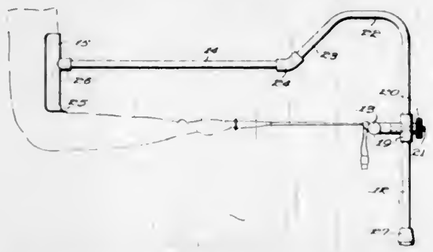
2,584,202
RAW MILK AERATOR
Lloyd C. Harp, Sr., Waterloo, Iowa
Application March 4, 1950, Serial No. 147,679
6 Claims. (Cl. 259—113)

1. In a device of the character disclosed, a stand adapted for use with a receptacle, a rotatable shaft mounted on said stand, an arm on said shaft, a guide means adapted to rest on the receptacle, said guide means having a central hub with an aperture therethrough and a plurality of radial blades, said blades being angularly disposed relative to the plane of the guide means, said guide means having a perimeter element secured to the outer ends of said blades, said blades being engageable with the receptacle and the perimeter member being disposed outwardly of the perimeter of the receptacle, an agitator secured to the free end of said arm and extending through and slidable in the aperture in said guide means, a hood secured to the free end of said



arm, said hood being adapted to be fitted over the receptacle, the end of the agitator in the receptacle following a generally circular motion in response to movement of the other end by the free end of said arm, said hood being raised and lowered in response to movement of the free end of said arm, and said guide means spacing said hood from the sides of the receptacle.

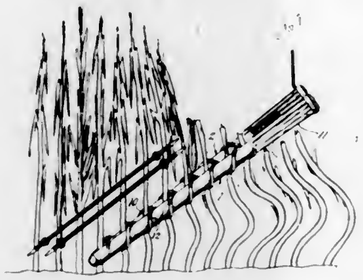
2,584,203
FOREARM FRACTURE TRACTION APPLICATOR
Robert K. Hart, Croswell, Mich.
Application October 27, 1949, Serial No. 123,957
3 Claims. (Cl. 128—84)



1. A forearm traction applicator comprising a thin rubber tube which causes suction when placed over a finger whereby the tube is secured to the finger, and a weight in the opposite end of the tube for facilitating holding the extended end of the tube to provide tension therein.

2,584,204
CORN SNAPPING AND HUSKING ROLLS
Sherman C. Heth, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application March 1, 1946, Serial No. 651,184
3 Claims. (Cl. 130—5)

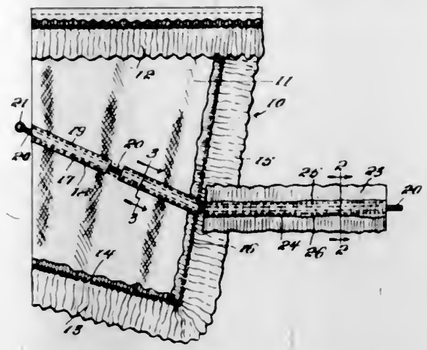
2. In a corn husking machine, a pair of synchronously driven rotatable husking rolls having substantially parallel axes having substantially axially-extending intermeshing rounded ridges and rounded grooves forming smooth uninterrupted undulating surfaces, the central portions of the ridges of each roll being brought successively into juxtaposition with respect to the central portions of the grooves of the other roll, the surfaces of each groove being shaped to conform in general to the general cylindrical surface of an ear of corn, the radii of each roll which lie in a plane perpendicular to the axis of said roll decreasing gradually and continuously from the central portion of each ridge to the central portion of each groove and increasing gradually and continuously from the central portion of each groove to the central portion of each ridge, said rolls being so spaced and shaped that the peripheries of said portions are in close proximity at all times along lines lying in a plane through the axes of said rolls and out of close proximity above and below said planes, the space



above the husking portions of the rolls being free and unobstructed to enable free rotation of the ear about its axis under the husking and peeling action of the juxtaposed central portions of the grooves and ridges, the surface of each groove lying substantially in a cylindrical surface having a radius of curvature substantially equal to the radius of curvature of the cylindrical surface of an ear of corn whereby when the ear is medially positioned in said groove the entire surface of the groove will be in substantially uniform proximity to the ear of corn, the cross-sectional contour of the rolls being such that when one crest of a groove underneath and adjacent and cradling an ear lies in a vertical plane through the axis of a roll, the other crest of this groove will lie adjacent a vertical plane through the line of closest proximity of the two rolls whereby the ear may be rocked back and forth from side to side from one roll to the other and the husks may be pulled from the ear as the rolls are rotated.

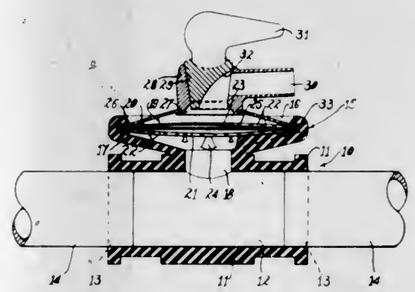
2,584,205
CURTAIN
Nell S. Hicks, Decatur, Ga.
Application June 28, 1949, Serial No. 101,843
2 Claims. (Cl. 160—348)

1. In a curtain including a body member, and a substantially vertical ruffle secured to said body member, the improvement consisting of providing a tie back for maintaining said curtain in gathered condition, said tie back comprising an elongated strap secured to said body member and coacting with the latter to define a casing, said strap extending from a vertical edge of said body member to the inner edge of said vertical ruffle on the face of said body member, a cord slidably arranged in said casing, an attaching ring secured to one end of said cord, and a ruffle slidably mounted on said cord and adapted to overlie the casing on the face of the body member to retain the curtain in gathered condition when said ring



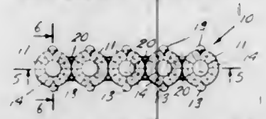
and the other end of said cord are drawn and fixed to a support.

2,584,206
MILK STRAINER
Floyd G. Hodsdon, Milwaukee, Wis., assignor to International Harvester Company, a corporation of New Jersey
Application April 7, 1949, Serial No. 86,090
3 Claims. (Cl. 210—164)



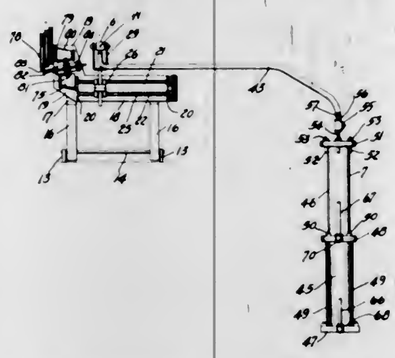
1. A strainer assembly comprising a longitudinal body structure having a chamber, said body structure being formed of a rubber-like material and including inlet and outlet openings, said body being adapted to frictionally engage in sealing relation conduits in communication with the outlet openings of said body, a funnel-shaped inlet member of rubber-like material integrally formed with said rubber-like body, said inlet member having an opening communicating with the chamber, a plurality of resilient supporting lugs extending upwardly within the funnel-shaped member, a filtering structure carried by said funnel-shaped member, said structure including upper and lower concavo-convex disks, each disk being provided with a plurality of spaced perforations, an annular strainer disk positioned between said concavo-convex disks, a covering disk positioned over said filtering structure, said disk having a fluid inlet opening, and an annular inwardly extending flange on said funnel-shaped member, said flange being formed of a rubber-like material and being arranged and constructed to engage the edge of said covering disk for resiliently securing the filtering structure and the funnel-shaped member in assembly, said flange being expansible out of engagement with the covering disk whereby the filtering structure may be removed from the strainer assembly.

2,584,207
GEM SETTING AND ARTICLES OF JEWELRY MADE THEREFROM
Charles Holl, New York, N. Y.
Application July 25, 1950, Serial No. 175,764
3 Claims. (Cl. 63—27)



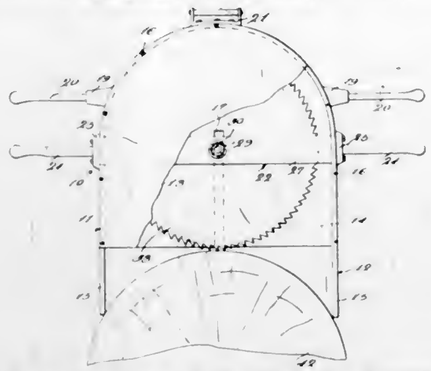
1. A setting for a necklace or the like in combination with a stone, said setting comprising a hollow cylindrical form having its upper wall tapering inwardly and downwardly leaving an outer sharp edge, the outer circumference of said stone being equal to the outer circumference of said setting, said setting having opposed slits perpendicular to the longitudinal axis of said setting, a bridge between and at each end of said slits, means for retaining said stone on said setting, said means comprising solely a pair of opposed vertical prong posts attached to the outside of said setting parallel to the axis of said setting, said prong posts extending above the upper edge of said setting and bent inwardly over a portion of said stone, said prong posts in a plane at right angles to the plane of said bridges, a U-shaped fastening link, said link having a semi-circular end and a pair of opposed legs of equal length projecting beyond the circumference and at right angles to the axis of said setting, said legs within said opposed slits and on either side of one of said bridges and attached to said setting.

2,584,208
APPARATUS FOR WINDING AND PRODUCING COILS
Eric L. Holmgren, Bay City, Mich., assignor to Kuhlman Electric Co., Bay City, Mich.
Application January 3, 1950, Serial No. 136,579
4 Claims. (Cl. 18—13)



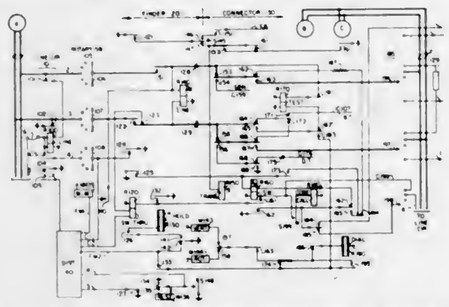
1. In an apparatus for making transformer coils, a coiler mechanism having a drive shaft and a coiler form adapted to be rotated thereon, means for continuously feeding wire to said form to wind a coil of predetermined dimensions thereon, a traversing guide for guiding the layers of wire on said form, a pivotally mounted extruder head on said guide through which said wire passes during its travel to said form, means operable by said drive shaft for controlling the traversing guide, and means for feeding a silicone elastomer to said extruder head whereby a coating of said silicone elastomer will be applied to said wire to fill air voids between the turns and layers of said coil.

2,584,209
TWO-MAN PORTABLE POWER SAW
Charles R. Hughart, Fort Wayne, Ind.
Application March 28, 1947, Serial No. 737,751
4 Claims. (Cl. 143—43)



3. In a power saw of the character described, a supporting frame adapted to be manually supported and provided with an open end, an elongated loop-shaped slide mounted therein for free sliding movement toward and away from the open end of said frame, a circular saw blade journaled in said slide and carried thereby for movement relatively to the frame, and a flexible shaft connected to said saw blade and adapted to be connected to a driving shaft for revolving the blade relatively to the frame and blade supporting slide, said frame comprising a substantially U-shaped side member having longitudinally disposed slots in the legs thereof slidably engaged by said slide, and top and bottom portions secured to the edges of said U-shaped side member and combining therewith to form a housing for the slide and blade having an open end through which a portion of the blade is movable, and said legs projecting beyond the open end of the frame for engagement with the work.

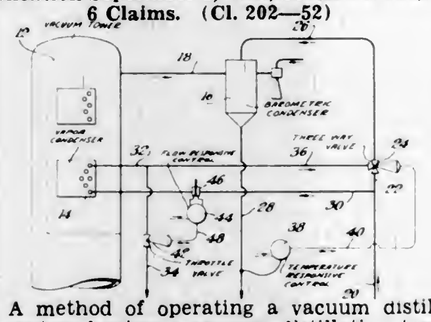
2,584,210
AUTOMATIC TELEPHONE AND CODE CALL SYSTEM
Frank Kessler, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 15, 1947, Serial No. 779,951
27 Claims. (Cl. 179—18)



1. In a telephone system including a plurality of telephone stations, a plurality of automatic switching links, and code call apparatus; means controllable from a first of said stations for seizing a first of said links and for transmitting a given directory number thereto, means included in said first link and responsive to said given directory number for seizing said apparatus, means

then controllable from said first station for transmitting a code number via said first link to said apparatus, means included in said apparatus for producing a code signal in accordance with a code number transmitted thereto, means controllable from a second of said stations for seizing a second of said links and for transmitting said given directory number thereto, means included in said second link and responsive to said given directory number for seizing said apparatus, and means responsive to seizure of said apparatus by said second link for completing a communication connection between said first and second stations via said first and second links.

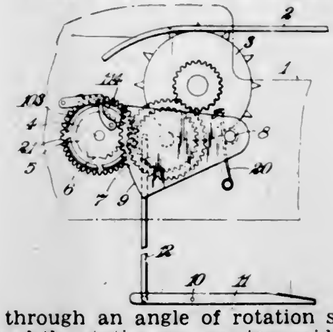
2,584,211
VACUUM CONTROL SYSTEM
Wheaton W. Kraft, Scarsdale, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application September 1, 1949, Serial No. 113,535
6 Claims. (Cl. 202—52)



1. A method of operating a vacuum distillation system having a vacuum distillation tower, a barometric condenser attached thereto, and a vapor condenser to maintain a constant vacuum in the distillation tower, said method comprising the steps of passing fresh cooling water to the barometric condenser, passing fresh cooling water to the vapor condenser, withdrawing said water from the barometric condenser, determining the temperature of the water withdrawn from the barometric condenser, regulating the passing of fresh cooling water to the barometric condenser in accordance with said temperature determination, withdrawing warm water from said vapor condenser, bypassing a variable portion of said withdrawn warm water to the barometric condenser, concurrently regulating said bypassing of warm water in accordance with said temperature determination, thereby controlling both the temperature and quantity of water passed to the barometric condenser.

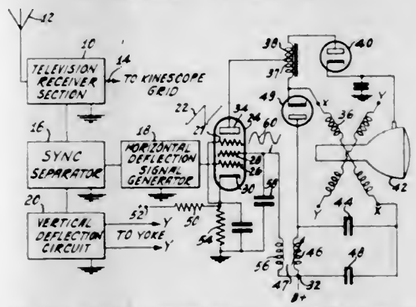
2,584,212
AUTOGRAPHIC REGISTER AND THE LIKE
Frederick Edward Lanegan and Patrick Maguire, London, England, assignors to W. H. Smith & Son Limited, London, England, a British company
Application April 9, 1947, Serial No. 740,450
In Great Britain November 15, 1946
2 Claims. (Cl. 271—2.4)

1. An autographic register of the kind in which continuous stationery is fed step-by-step over a writing platen for the entry of records thereon, means for supporting said register in an elevated position, a rotary feeding means engaging the web, and drive means for said web feeding means comprising an arcuate toothed driving member mounted for oscillatory motion, a pedal constrained by the supporting means for vertical oscillation below said register, a vertically extending link interconnecting said pedal and said driving member, a rotatable toothed driven member engaging said driving member, a one-way clutch interconnecting said driven member and said feeding means, said driving member having toothed driving engagement with the driven



member through an angle of rotation sufficient only to feed the stationery one step, said toothed driven member having a portion which is without teeth making driving engagement with the driving member, which is contiguous with said toothed portion and which provides for non-driving movement of the driving member at the end of said angle of rotation.

2,584,213
AMPLIFYING SYSTEM
John Longo and Simeon I. Tourshou, Philadelphia, Pa., and Robert J. Lewis, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application May 1, 1950, Serial No. 159,354
11 Claims. (Cl. 315—27)



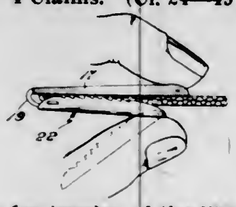
1. In an electro-magnetic cathode ray beam deflection system adapted for excitation of a beam deflection yoke, a combination of a source of deflection signal having a predetermined frequency, an electron discharge tube having at least an anode, cathode, a first control electrode and a second control electrode, connections for applying the output of said deflection signal source to said first control electrode of said discharge tube, an output circuit connected between the anode and cathode of said discharge tube, circuit means for exciting the deflection yoke with energy developed in said output circuit, means connected between said second control electrode and said cathode for biasing said second control electrode positively with respect to said cathode, a source of substantially sinusoidal control signal having the frequency and phase thereof related to said deflection signal frequency in a predetermined manner, and means for super-imposing said control frequency upon the positive bias applied to said second control electrode.

2,584,214
BRUSH HOLDER FOR ELECTRIC MOTORS AND THE LIKE
William Paul Luther and George Rudat, Racine, Wis., assignors to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application June 16, 1950, Serial No. 168,608
3 Claims. (Cl. 171—324)



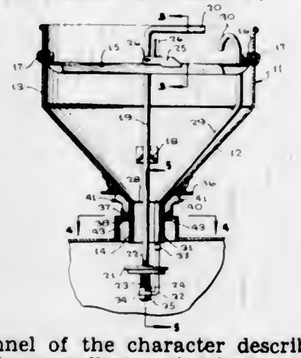
1. A brush holder for mounting a brush of an electric motor in cooperative relationship with the commutator of the motor, comprising: an insulative member adapted to be mounted on a stationary part of the motor adjacent to the commutator with a flat surface of the member normal to the commutator axis; a conductive substantially channel-shaped brush receptacle fixed on said member with its web spaced from said surface and its flanges extending toward the same, said receptacle cooperating with said surface of the member to define a tubular brush holder adapted to have its axis radial to the commutator, and in which a brush is adapted to be endwise slidably mounted; a substantially U-shaped spring clip having its legs embracing and biased into clamping engagement with the flanges of the brush receptacle and its bight disposed across the open end of the tubular brush holder which is adapted to be located remote from the commutator, to close said remote end of the brush holder and thereby preclude endwise displacement of a brush in the brush holder out of said remote end thereof; and cooperating detent-like locking means on the legs of the spring clip and on the sides of the brush holder provided by the flanges of the receptacle to preclude displacement of the clip lengthwise of the legs thereof off of said remote end of the brush holder, said detent means being held interengaged by the force biasing said legs of the clip into engagement with the receptacle flanges, and the part thereof on the clip being spaced intermediate the ends of the legs of the clip; and the legs of the clip having edge portions adjacent to the ends thereof abutting said surface of the insulative member to preclude rocking displacement of the clip about said detents.

2,584,215
CRAVAT CLASP
Clement S. Marien, Attleboro, Mass., assignor to Swank, Inc., a corporation of Delaware
Application November 24, 1950, Serial No. 197,333
4 Claims. (Cl. 24—49)



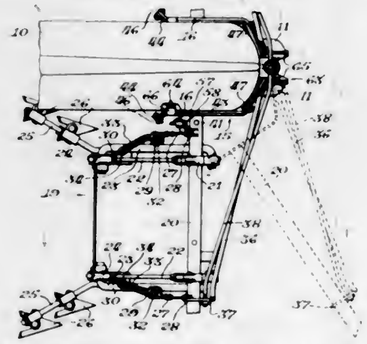
1. A clasp for jewelry of the like comprising a pair of jaws resiliently connected at one end and spaced at their other free ends to receive between them material to be held, and a clamping member pivoted to the free end of one of said jaws to swing to and from the outer surface of the jaw to which it is pivoted, said member having a flange located beyond the edge of the jaw on which it is pivoted to extend toward the inner surface of the other jaw sufficiently to bind material between the jaws and resilient means adjacent the free end of the clamping member to hold the same in clamping position.

2,584,216
FUNNEL WITH SPOUT AND VENT CLOSURE
Gilbert H. Morrison, Peotone, Ill.
Application December 15, 1950, Serial No. 200,985
2 Claims. (Cl. 226—34)



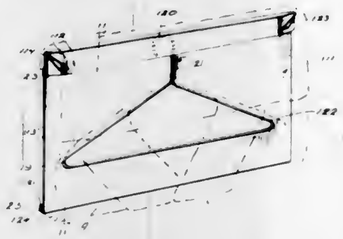
1. A funnel of the character described comprising a downwardly tapering hollow body having a bottom discharge opening, a rod, guide means slidably supporting said rod in axial position in said body, a valve member secured to the lower end of said rod and being sealingly engageable with said opening responsive to elevation of the rod, a locking arm pivoted to said rod above the guide means and being lockingly engageable with said guide means responsive to the elevation of the rod to sealing position, a vent tube secured in said body, and a plug member secured to said rod and arranged to sealingly engage said vent tube responsive to elevation of the rod.

2,584,217
TRACTOR MOUNTED CULTIVATOR
James Morkoski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 24, 1947, Serial No. 763,195
12 Claims. (Cl. 97—47)



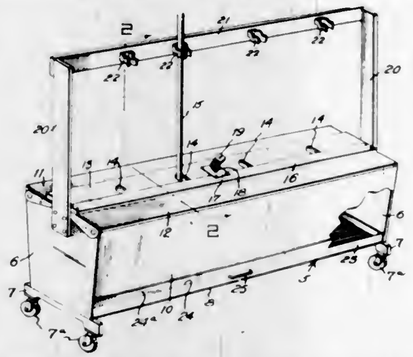
12. An implement attachment for a tractor comprising a pair of laterally spaced tool frames adapted for attachment to opposite sides of the tractor, a horizontal U-shaped member adapted to receive the forward end of the tractor, the arms of said U-shaped member extending rearwardly along the sides of the tractor and having the respective tool frames affixed thereto, and a single vertical hinge in said U-shaped member accommodating relative horizontal swinging of said tool frames.

2,584,218
COMBINED GARMENT FORM AND HANGER
Richard R. Walton, United States Army, Washington, D. C.
Application August 13, 1946, Serial No. 690,192
3 Claims. (Cl. 223—88)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



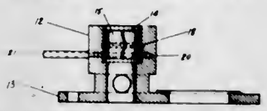
1. A combined garment form and hanger, comprising a rectangle of sheet material folded upon itself along a plurality of lines scored in said rectangle parallel to one of its edges, and a shaped garment hanger comprising a garment-supporting portion and a hook, said hook being retained in said folded portion of said rectangle.

2,584,219
BROOM AND MOP RACK
Ernest B. Murrell, Little Rock, Ark., assignor of one-half to J. Audrey Boyd, Little Rock, Ark.
Application June 14, 1946, Serial No. 676,705
1 Claim. (Cl. 312—207)



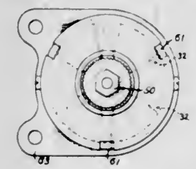
A device of the character described comprising an elongated box-like structure having a bottom, side walls and end walls, one of said side walls having a slot formed in the lower end thereof, a cover member hinged to the top of each of said side walls and adapted to abut each other at their free ends when in closed position, one of said cover members being formed with notches in its free edge, a rack affixed to the said walls in superposed spaced relation to said notches, a louver formed in each of said side walls, a drain pan removably mounted upon said bottom through said slot, and clamps carried by said rack in vertical alignment with said notches.

2,584,220
LUBRICATING AND COOLING MEANS FOR BEARINGS
Alexis Nihon, Montreal, Quebec, Canada
Application November 8, 1945, Serial No. 627,415
1 Claim. (Cl. 308—76)



In a bearing member for a glass drawing machine, a bracket, a cylindrical casing rigid with said bracket and being integral therewith, said cylindrical casing having a transverse orifice, a bearing sleeve having a split in the wall thereof, said bearing sleeve being movably fitted within the transverse orifice in said casing, a roller rotatably supported in said bearing sleeve, said bearing sleeve having a plurality of apertures extending radially therethrough, a trough-like channel formed in the periphery of said bearing sleeve and forming a connection with each of the apertures extending therethrough, the surface of the transverse orifice in said casing having an annular lubricant groove in alignment with the trough-like channel formed in the periphery of said bearing sleeve, a lubricant feed inlet extending through said casing and terminating in the annular lubricant groove as formed in the surface of the transverse orifice in said casing, a water compartment formed within said casing and having an inlet and an outlet connected to feed and return lines permitting circulation of water within said water compartment, and said water compartment being of a somewhat U-shape with the aforesaid inlet and outlet connected to the ends thereof.

2,584,221
ROTARY HYDRAULIC SHOCK ABSORBER
Bernard E. O'Connor, Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application December 31, 1946, Serial No. 719,357
8 Claims. (Cl. 188—89)



1. In a hydraulic shock absorber device of the rotary type, including in combination, a cup-shaped housing comprising a bottom wall and a cylindrical wall; an abutment flange member comprising a bottom and integral abutments rising therefrom disposed within said housing with the bottom of said flange member against the bottom of the housing; means for preventing relative rotative movement of said abutment flange member and said housing; the inner surface of said cylindrical wall being provided with an annular ledge with its horizontal surface in register with the upper ends of said abutments; an intermediate wall member seated on said ledge and against the ends of said abutments to

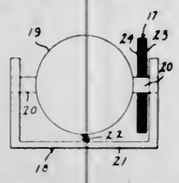
retain said abutment flange member in axial position in said housing; said intermediate wall member being centrally bored; a wing shaft extending through said bore and having wings thereon with their upper and lower edges in contact with said intermediate wall member and said abutment flange member bottom, respectively; a cover member removably connected to said housing and in contact with said intermediate wall member to hold the latter against said ledge and said abutments; and means for preventing relative rotative movement between said intermediate wall member and said abutment flange member.

2,584,222

AUXILIARY MASS AND VISCOUS DAMPING FOR FREE AND SELF-EXCITED VIBRATIONS

Bernard E. O'Connor, Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application June 7, 1947, Serial No. 753,391
6 Claims. (Cl. 74—5.5)



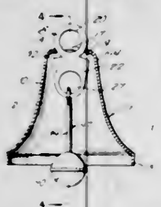
1. In combination with a mass adapted to be mounted in relatively oscillatable relation to an associated structure and including spring means in its system of support tending to maintain or return it to an equilibrium position and thus tending to excite vibrations in the mass, a vibration damper including a closed casing fixedly mounted with respect to said mass to move therewith, said casing providing a circular chamber, an inertia mass within said chamber and dimensioned in at least certain surfaces of relatively substantial area to lie operationally in such closely spaced relation to opposing surfaces within said casing that a viscous fluid therebetween will be limited to a shear film, and a viscous fluid within said casing and providing a shear film between said inertia mass and the opposing surfaces tending to restrain the casing and thereby said first mentioned mass against vibratory movements independent of said inertia mass, whereby such vibratory movements are dampened.

2,584,223

BELL

Frank Petelinsek, Milwaukee, Wis.

Application May 17, 1949, Serial No. 93,781
2 Claims. (Cl. 116—150)



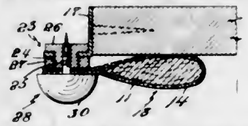
1. In a bell, a hollow bell body, a head closing the upper end of said body, said head being formed with a transverse slot extending therethrough, a link comprising a plate having a loop on its upper end larger in diameter than said slot whereby opposite sides of the lower end of the loop can rest upon said head at the opposite ends of the slot, an intermediate portion depending from said loop, said intermediate part being narrower than the length of the slot and depending loosely through the slot, and a lower plate portion depending from said intermediate portion, the upper end of said plate portion being wider than said intermediate portion and wider than the length of the slot, said upper end of said plate portions having shoulders on opposite sides thereof engageable with the underside of said head, and a tongue pivotally connected to the lower end of said link having a hammer on its lower end, said shoulders being spaced below the lower end of said loop at a distance greater than the thickness of said head whereby limited free vertical movement of said link relative to said head is provided for, said head having lugs at the ends of the slot, said lugs being initially deflected out of the slot to permit insertion of the loop of said link into the slot and subsequently deflected to extend longitudinally into the slot so as to reduce the effective length of the slot and act as means in conjunction with said shoulders and the lower end of said loop for retaining the link assembled to the bell body.

2,584,224

FASTENING DEVICE

Charles H. Pfaffko, Lymansville, R. I.

Application January 11, 1950, Serial No. 137,939
1 Claim. (Cl. 160—349)



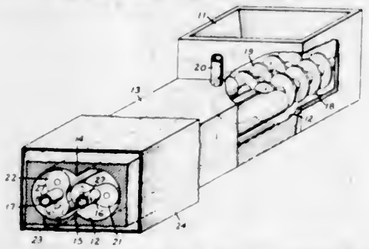
A curtain tie-back device comprising a bracket having a longitudinal slot therein, a member having a threaded portion extending through said slot and provided with a threaded opening therein, threaded means for engaging said threaded portion for securing said member in adjusted position on said bracket, a tie-back strap adapted to be formed into a loop for enclosing the curtain to be tied back, and a pin member having a pointed end adapted to pierce said strap and a threaded shank for engaging said opening for securing said strap to said member.

2,584,225

MIXING APPARATUS

Mark Plunguian, Gillette, and Jesse L. Riley, East Orange, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware

Application October 1, 1949, Serial No. 119,121
6 Claims. (Cl. 259—6)



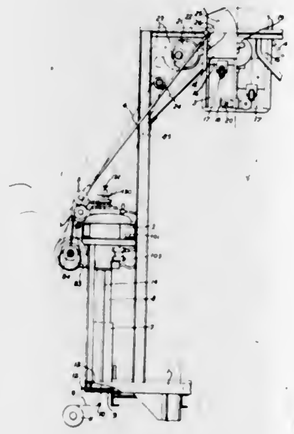
1. In a mixing apparatus, the combination with a casing having a passageway extending therethrough, said passage having a cross-sectional contour defined by the peripheries of two intersecting curves of generally circular shape, of means for feeding material to and longitudinally through said passageway, a pair of multi-lobed stirring blades in said passageway for operating on said material, at least one of the clearances between said stirring blades themselves and between said stirring blades and the walls of said passageway being sufficient to permit material in said passageway to pass through said clearance when the stirring blades are rotated, said stirring blades having a contour of trochoidal shape whereby the clearance between the stirring blades themselves and the stirring blades and the walls of the passageway will remain substantially constant as the stirring blades are rotated, and means for discharging the material from the passageway.

2,584,226

APPARATUS FOR THE DELIVERING OF LIQUIDS UNDER PRESSURE

William Pool, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

Application May 25, 1946, Serial No. 672,221
In Great Britain June 4, 1945
10 Claims. (Cl. 18—8)



8. Apparatus for the extrusion of filament-forming liquids said apparatus comprising a pressure vessel for containing the liquid to be extruded, a measuring pump connected to said vessel for delivering the liquid therefrom, an extrusion orifice connected to and adapted to be supplied by said pump, means for supplying under pressure to said vessel a fluid different from the liquid to be delivered, pressure-sensitive means subject to pressure differences between the inlet and the outlet of said pump, and means under the control of said pressure-sensitive means for varying the pressure of said fluid so as to maintain said pressure-difference substantially null, whereby said pump is enabled to extrude said filament-forming liquid at a constant volumetric rate undisturbed by pressure differences between the inlet and the outlet of said pump.

2,584,227

BEARING

Howell L. Potter, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut

Application December 1, 1945, Serial No. 632,244
4 Claims. (Cl. 308—187.2)



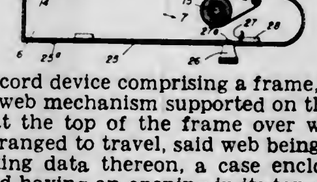
1. In a self-alining bearing including inner and outer bearing rings with interposed anti-friction bearing members, one of said rings having a spherical raceway surface for said anti-friction bearing members whereby said rings may be misalined, said one of said bearing rings having an annular seal groove therein, a seal mounted in said groove, said one of said rings having a second annular groove intermediate said anti-friction bearing members and said seal, an annular abutment member mounted in said second groove and positioned in the path of said anti-friction bearing members, whereby the latter may engage said abutment and prevent further misalinement before the anti-friction bearing members substantially engage said seal.

2,584,228

RECORD DEVICE

Howard P. Rilea, Barnum, Minn., assignor of one-half to Jason A. Eddy, Minneapolis, Minn.

Application November 4, 1947, Serial No. 783,875
2 Claims. (Cl. 281—9)



1. A record device comprising a frame, a double reel and web mechanism supported on the frame, a shelf at the top of the frame over which the web is arranged to travel, said web being adapted for marking data thereon, a case enclosing the frame and having an opening in its top above the shelf, said frame including a pair of spaced apart side members having rabbeted upper edges at their opposed sides, and a transparent cover seated in said rabbeted side edges flush with the top thereof and slidable therein to expose a part of the web under said opening of the case, the top of the case at each side of the opening overlying the cover to hold the cover in the rabbeted edges of the frame.

2,584,229

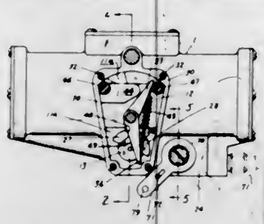
FLUID OPERATED RECIPROCATING PISTON TYPE WINDSHIELD WIPER MOTOR

Columbus R. Sacchini, Willoughby, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio

Application May 27, 1947, Serial No. 750,709
3 Claims. (Cl. 121—164)

1. A reciprocating fluid operated motor comprising a casing having opposed cylinders, a unitary piston with head portions slidable in the cylinders and a rod portion connecting the heads, fluid supply means for the cylinders including

automatic reversing valve means in the casing, abutments on one side of the rod portion of the piston spaced apart longitudinally thereof for operating the reversing valve means, and more



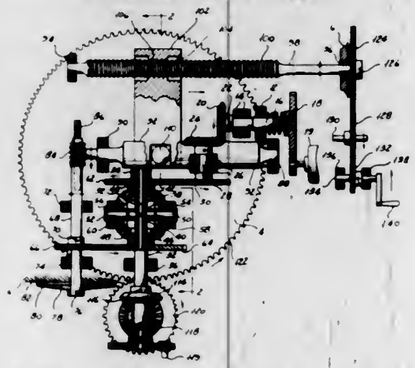
widely spaced abutments on the opposite side of said rod portion for longer-piston-stroke operation of the valve means in an end-for-end reversed position of the piston in the cylinders.

2,584,230

RECIPROCAL INTEGRATOR GEARING

Carl F. Schaefer, Port Washington, N. Y., assignor to The Norden Laboratories Corporation, New York, N. Y., a corporation of Connecticut

Application January 18, 1950, Serial No. 139,293
9 Claims. (Cl. 74—394)



1. A reciprocal integrator including in combination a differential having an input means and a pair of output means, means for driving the input means at a constant speed, a first means driven by one of said output means, a second means driven by the other of said output means and by said first driven means, means for increasing the torque applied to said first output means when said second driven means is driven at a higher speed by said second output means than by said first driven means and for decreasing the torque applied to said first output means when said second driven means is driven at a higher speed by said first driven means than by said second output means, and means driven by said first output means representing the desired reciprocal integral.

2,584,231

FISHHOOK BAITER

Frank G. Schmidt, San Jose, Calif.

Application August 9, 1950, Serial No. 178,421
1 Claim. (Cl. 43—4)



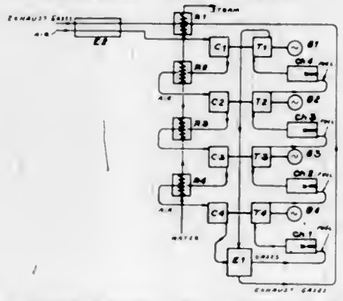
A baiter for baiting fish hooks having a gut lead formed with a loop, comprising a rectilinear skewer having a skewer hook at one end thereof the transverse dimension of the entire skewer hook being of a size less than the largest transverse dimension of the skewer, a baiting sleeve open at opposite ends on which bait is held, adapted to be slid over said skewer past said skewer hook, said hook adapted to be extended through the loop of a gut fish hook lead, connecting the fish hook to the skewer, and said sleeve and bait being movable over the gut lead and skewer hook carrying the bait to the fish hook, and said sleeve being removable from the bait and skewer hook depositing the bait on the fish hook.

2,584,232

GAS TURBINE POWER PLANT, INCLUDING MEANS TO TREAT COMBUSTION PRODUCTS BETWEEN SUCCESSIVE STAGES OF EXPANSION

Marcel H. L. Sédille, Paris, France, assignor to Societe Rateau (Société Anonyme), Paris, France, a company of France, and René Anxionnaz, Paris, France

Application August 4, 1947, Serial No. 766,050
In France September 4, 1946
2 Claims. (Cl. 60—39.17)



1. In a plant adapted for producing both mechanical power and steam available for external heating purposes, the combination comprising two separate fluid-lines, one of which is the air-and-gas-line of a turbine power set and the other is a water-and-steam-line for producing steam solely by the excess heat of said power set and for delivering said steam independently of said power set, the air-and-gas-line including: air-suction piping means, a set of air compressors connected in series, the first compressor of said set having its suction side connected to said air-suction piping means, at least one air cooling device arranged between the first and the second compressor of said set, said air cooling device having a cooling water space and an air space, said air space being connected to the delivery side of the first compressor and to the suction side of the second compressor, a combustion chamber adapted to heat the air delivered by the high-pressure compressor of said set, a set of gas turbines arranged in series for driving said compressors and delivering efficient mechanical power, the admission side of the high-pressure gas turbine of said set being connected to the outlet of said combustion chamber, heating means between turbines of said set for reheating the gases flowing from a turbine to the following one, exhaust piping means connected to the exhaust side of the low-pressure turbine of said set and opening onto the atmosphere, and a steam producer having a water-and-steam-space and a gas space, said gas space being inserted in said exhaust piping means; the water-and-steam-line including the water space of said air cooling device and the water-and-steam-space

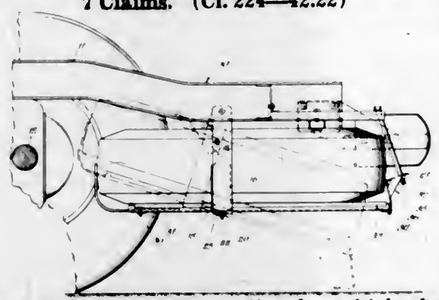
of said steam producer connected in series, said water-and-steam-line having a fresh water feed end connected to the water space of said air cooling device and a steam delivering end directly connected to the water-and-steam-space of said steam producer and separate from said air-and-gas-line, and a heat exchanger having an air space inserted in said air suction piping means of said air-and-gas-line upstream with respect to the first compressor of said line and a gas space inserted in said exhaust piping means of said air-and-gas-line downstream with respect to the gas space of said steam producer.

2,584,233

TIRE CARRIER

John Selzer, Fort Wayne, Ind., assignor to International Harvester Company, a corporation of New Jersey

Application September 29, 1950, Serial No. 187,466
7 Claims. (Cl. 224—42.22)



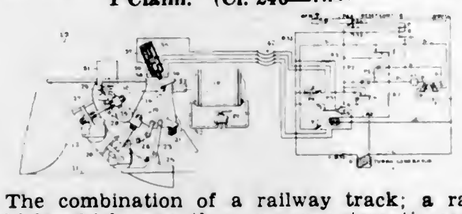
4. A tire carrier construction for vehicles having a frame extending rearwardly of the vehicle, comprising a tire carrier frame structure including a U-shaped member, the legs of the U-shaped member extending vertically and being pivotally connected on a transverse horizontal axis to the vehicle frame, additional frame elements connected to said U-shaped member and including a forwardly extending member for limiting movement of the tire to be carried in a forward direction, a rearwardly extending member having one portion of a clamping means connected thereto, and a tire carriage slidably supported on said U-shaped member adapted to move between an inner retracted position and a projected position, and a clamping member movably connected to the vehicle frame and extending for cooperation with the clamping means on the tire carrier frame when the tire carriage is in its retracted position.

2,584,234

SAFETY DEVICE FOR ACCESSORY APPARATUS ON RAILWAY TRAINS

Lewis K. Sillcox, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey

Application November 8, 1946, Serial No. 708,535
1 Claim. (Cl. 246—169)



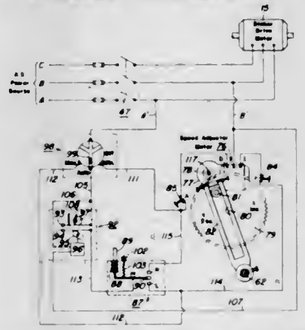
The combination of a railway track; a rail vehicle which runs thereon; an automatic control system including signal-set trackside elements, coactive vehicle-carried elements, normally responsive thereto to stop the vehicle, and a vehicle-carried acknowledging device which when actuated serves to prevent vehicle-stopping response of said system; a vehicle-carried accessory device having a safe position and at least one potentially dangerous position; a controller adapted to be manually set by the operator of the vehicle alternatively in two positions, in one of which it causes said device to move to, and in the other of which it causes said device to move from said safe position; means actuated by said accessory device and effective in all positions thereof except said safe position to suspend the functioning of said acknowledging device; and a trackside element located near a point on the track at which the operator should shift said controller to cause said device to move to safe position, said trackside element being continuously conditioned to actuate the vehicle-carried elements of the control system.

2,584,235

AUTOMATIC CONTROL MEANS FOR STOKERS

John S. Skelly, Monongahela, Pa., assignor to Combustion Engineering—Superheater, Inc., a corporation of Delaware

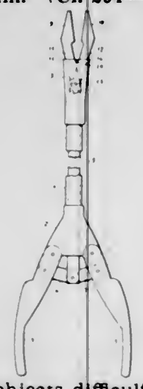
Application April 30, 1948, Serial No. 24,139
6 Claims. (Cl. 236—46)



6. In combination, a furnace, a stoker for supplying said furnace with fuel to be burned therewithin, continuously operable stoker driving mechanism including a lever effective to adjust the rate at which said stoker feeds fuel into the furnace, said lever being movable between an extreme low-speed position and an extreme high-speed position, a gear wheel rotatively mounted and carrying a roller at a point displaced from the gear wheel axis, means causing said lever to move with said roller upon changes in the rotational position of said gear wheel, an electric motor for imparting rotation to said gear wheel, a motor-control instrument responsive to the demand for furnace-supplied heat, a forward energizing circuit for said motor activated by said instrument when said supplied heat is less than said demand and then effective to produce forward rotation of said gear wheel causing said roller and said lever to move in the feed-speed-increasing direction, a reverse energizing circuit for said motor activated by said instrument when said supplied heat is greater than said demand and then effective to produce reverse rotation of said gear wheel causing said roller and said lever to move in the feed-speed-decreasing direction, a timing device for said forward and reverse motor circuits effective upon activation of each as aforesaid then recurrently to interrupt the activated circuit and thereby cause said stoker-speed-adjusting motor to operate in recurring steps which are separated by intervening periods of motor stoppage, a selector switch for at times rendering said forward and reverse motor circuits both unresponsive to the fore-

going automatic instrument control and for at other times enabling each circuit selectively to be supplied with energizing current under manual control directly through the switch in by pass relation to said instrument and said timing device, a first limit switch functioning to deactivate said forward motor circuit upon either instrument or selector-switch initiated movement by said motor of said stoker-adjusting lever to its extreme limit of travel in the fuel-feed-increasing direction, and a second limit switch functioning to deactivate said reverse motor circuit upon either instrument or selector-switch initiated movement by said motor of said stoker-adjusting lever to its extreme limit of travel in the fuel-feed-decreasing direction.

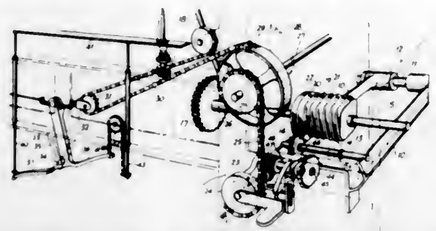
2,584,236
GRIP TONGS
John Arvid Skoog, Grastorp, Sweden
Application July 9, 1946, Serial No. 682,192
In Sweden February 22, 1945
1 Claim. (Cl. 294—115)



Grip tongs for objects difficult of access, comprising a tube having open ends, a rod slidably guided within the tube, a pair of jaw members having gripping surfaces pivotally mounted to the forward end of the rod and extending beyond said tube, a guide pin mounted to the forward end of the tube crossing the opening in the tube and extending between said jaw members to separate the jaws to an open position when the rod is moved forward, the edges of the open end of the tube serving as guides to engage the jaws and force them to a closed position when the rod is moved rearwardly, said jaw members positioned so that the gripping surfaces close in the vicinity of the tube opening, a pair of backwardly directed handles pivotally mounted to the rear end of the tube and movable to an open and closed position, a pair of link members pivotally mounted to the handles and directed backwards to and connected to the end of the rod whereby closing and opening the handles will move the rod rearwardly and forwardly to close and open the jaw members respectively, said handles longitudinally positioned facing each other and laterally spaced to be gripped by one hand of the operator.

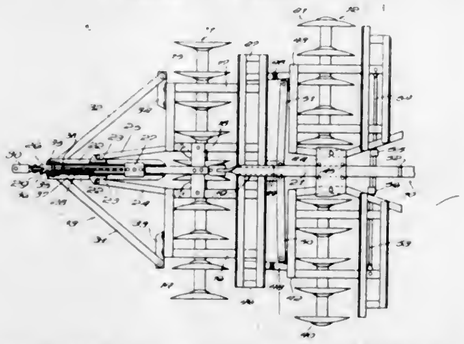
2,584,237
TRAVERSE MECHANISM OF SPINNING MACHINES
Francis Edward Smallshaw, Hyde, England, assignor to Ashton Brothers & Company Limited, Hyde, England, a British company
Application March 22, 1948, Serial No. 16,263
In Great Britain March 22, 1947
4 Claims. (Cl. 242—43.3)

1. A traverse mechanism for imparting copbuilding motion to the ring rail of a spinning frame comprising two cams for governing the chase, one said cam being in the form of an annular groove and the other being in the form



of a helical groove, a single follower for said cams shaped to enter said grooves, means normally retaining said follower in said annular groove, and means for transferring the follower from one groove to the other.

2,584,238
DISK HARROW
Paul R. Sonneman, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 18, 1944, Serial No. 568,573
3 Claims. (Cl. 55—83)

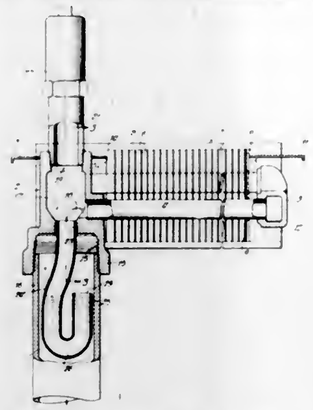


1. In a disk harrow, a pair of transversely extending generally parallel harrow sections in tandem relation, a draft structure attached to the forward section, collapsible draft connections between said sections, a central frame member extending longitudinally between said sections, a connection between said forward section and said frame member, a connecting element slidable longitudinally of said member for connecting the rear section thereto, whereby said rear section may be telescoped with relation to said forward section, bumpers on the rear of said forward section for limiting telescoping movement of said rear section, and a stop on said central frame member engageable with said slidable connecting element only in the transport position of the harrow to transmit draft from the central frame member to the rear section.

2,584,239
HEAT TRANSFER ELEMENT
Benjamin Spieth, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application November 22, 1948, Serial No. 61,363
14 Claims. (Cl. 257—46)

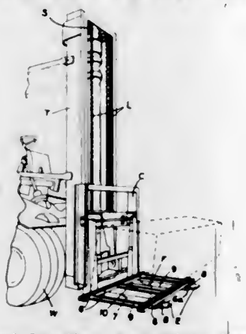
1. A heat transfer element comprising in combination an inlet header having a steam inlet connection at its lower end, adapted to be

connected to a steam supply pipe, said header having a vented water and air chamber positioned above and substantially axially aligned with said steam inlet connection, a heat transfer structure including a fluid passage having an inlet and an outlet therein connected to said header with said inlet operatively commun-



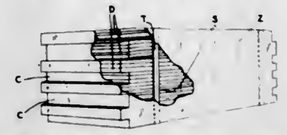
icating with said steam inlet connection and said outlet operatively communicating with said chamber, and a tubular trap member positioned in said inlet connection, said trap member extending down from said inlet header into the steam supply pipe and communicating with the water and air chamber and having its discharge end opening to said steam inlet connection.

2,584,240
LATERAL LOADING AND UNLOADING ATTACHMENT FOR FORKED LIFT TRUCKS
James E. Stewart, Minneapolis, Minn.
Application April 26, 1949, Serial No. 89,687
4 Claims. (Cl. 214—113)



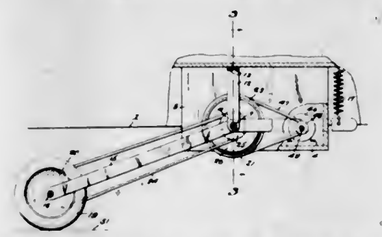
1. A lateral loading assembly for attachment to a forked lift truck having in combination a rigid, horizontal, rectangular frame of a length somewhat less than the length of the forks of a lift truck and of a width somewhat greater than the distance between the outer edges of said forks, means at the underside of said frame for interlocking connection with the forks of a lift truck, instantly securable means for locking said frame to said forks to prevent forward displacement thereof longitudinally of said forks and at least a pair of lumber-moving rollers journaled on parallel horizontal axes adjacent the respective sides of said frame and extending longitudinally of said forks and means for imparting torque power to said rollers to positively move lumber supported on either of said rollers.

2,584,241
REINFORCED AND PROTECTIVELY COATED UNIT LUMBER PACKAGE AND METHOD OF FORMING THE SAME
James Elliott Stewart, Minneapolis, Minn.
Application February 4, 1950, Serial No. 142,441
2 Claims. (Cl. 206—60)



1. A unit package of lumber reinforced and protectively coated for outside storage and shipment comprising a multiplicity of boards arranged in superimposed layers providing divisions each having a thickness equal to the aggregate thickness of a plurality of boards and a width equal to the aggregate width of a plurality of boards, the ends of a substantial number of boards lying substantially in a pair of opposed planes perpendicular to the planes of the longitudinal edges of the boards, at least one spacer element disposed transversely of and between each pair of vertical divisions of said unit, each spacer element being of elongated narrow form having a length substantially equal to the width of said unit and being positioned inwardly from the ends of said boards and in substantially parallel relation to the plane of the ends of said boards for engagement with all of the boards having surfaces exposed between the vertical divisions, said unit having a minimum of relatively non-stretchable binding strips secured circumferentially of the length of the unit in such relation to said spacer elements as to cant the boards of the divisions about the spacer elements and distort the boards from their straight-line position, said binding strips being disposed about the exposed surfaces of the top, side and bottom boards of the unit for exerting both lateral and vertical compressive forces on the unit, a protective binding covering over at least the entire top and sides of the unit, said covering being a continuous coating of tough, flexible moisture-proof material of a nature to bond to the entire outer surfaces of the boards as well as bridge the spaces formed between the boards, the distortion of the boards from their straight-line position increasing the degree of frictional contact between the boards, and said covering resisting relative movement between the boards of the unit and supplementing the binding strips in reinforcing the unit.

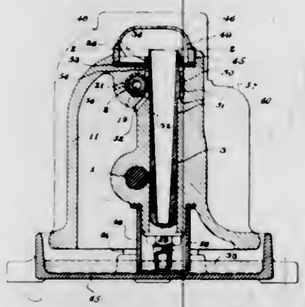
2,584,242
REFRIGERATING SYSTEM FOR TRAILERS
Daniel Warren Tiffany, Great Falls, Mont.
Application January 7, 1948, Serial No. 921
1 Claim. (Cl. 230—33)



An operating unit for the compressor of a refrigerating system for trailers, comprising hang-

ers mounted under the trailer, a shaft supported in the hangers, a compressor operated by the shaft, spaced arms of bell-crank formation mounted on said shaft at points intermediate the ends of said arms providing long arm sections and short arm sections, a ground engaging wheel mounted on the forward ends of said long arm sections, a platform suspended under the body of the trailer, a motor mounted on the platform, means including a clutch adapted to transmit motion from said ground engaging wheel to said shaft and motor, and coiled springs connected between the trailer and short arm sections, normally urging the ground engaging wheel into contact with the ground surface.

2,584,243
LUBRICATING SYSTEM
John M. Washburn, Hartford, Conn., assignor to The Merrow Machine Company, Hartford, Conn., a corporation of Connecticut
Application October 5, 1948, Serial No. 52,871
12 Claims. (Cl. 184—6)



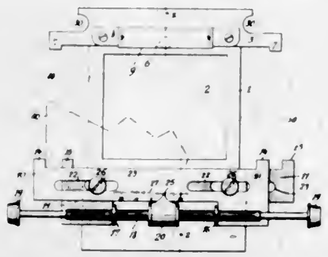
1. In a system for lubricating surfaces of a machine, a body of fluid lubricant below said surfaces, a group of lubricant collecting compartments above said surfaces, lubricant distributing ducts extending from said compartments for directing lubricant toward said surfaces, two opposite walls of said compartments being common to the group with one of said walls higher than the other, a member having a tapered bore therein extending from a point below the surface of said body of lubricant to a point above the lower wall of said compartments but in opposition to the higher wall thereof, the bore in said rotatable member flaring upwardly, means for rotating said member whereby lubricant impelled against the flaring surface of said bore by centrifugal force will be fed to the upper end of said bore and discharged therefrom by centrifugal force into said compartments, the said lower wall of said compartments determining the capacity of the latter, and a return passage into which excess lubricant overflowing said lower wall is discharged and returned to said body of lubricant.

2,584,244
FULCRUM TYPE CAN OPENER
John G. Wordeman, Martin, S. Dak.
Application February 15, 1946, Serial No. 647,743
2 Claims. (Cl. 30—22)



1. A can opener comprising upper and lower levers having flattened shanks, the flattened shanks of said levers being pivoted together, a relatively thin and flexible concavo-convexed jaw integrally formed with the shank of each of said levers and arranged to form a substantially cylindrical member, the jaw of the upper lever opposing the jaw of the lower lever, said jaws having free edges abutting each other, and an arcuate cutter carried by the shank of said upper lever and having a beveled edge spaced from and underlying the convexed surface of the jaw of said upper lever, said jaws being distorted upon movement of said levers toward each other to curve the jaw of said upper lever and permit a container top to be released from between the cutter and the jaw of the upper lever.

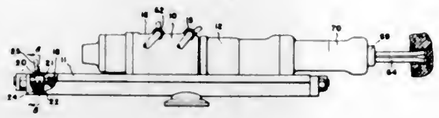
2,584,245
DEVICE FOR SUPPORTING TRANSPARENT STEREOSCOPIC SLIDES
Harry S. Alexander, Meadville, Pa., assignor to Keystone View Company, Meadville, Pa., a corporation of Pennsylvania
Application November 16, 1949, Serial No. 127,686
1 Claim. (Cl. 88—20)



A device of the character described for supporting and operating a three-slide vision training assembly consisting of rectangular slides in superposed relation comprising a back plate having a view opening framed therein, fixed means on said plate engaging the four sides of the rearmost slide of said assembly to support the same in front of and across the said view opening; cooperating fixed and movable means on said back plate engaging the four sides of the other slides in said assembly to support the slides in superposed relation to said rearmost slide, said movable means comprising a pair of superposed slide holders engaging the bottoms and the sides of said other slides, means for slidably securing said slide holders upon the said back plate and means on the latter and on said holders for moving said holders with the slides thereon across the said rearmost slide and across the said view opening said means for moving said holders comprising a threaded lug on each of the holders, a fixed bearing on said back plate, an axially immovable right and left threaded shaft supported in said bearing between the said lugs and threadedly engaging the latter and a hand knob on each end of said shaft for rotating the same from either side of the said device.

2,584,246
PERCUSSION TOOL
James H. Anderson, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application June 17, 1948, Serial No. 33,607
13 Claims. (Cl. 121—5)

3. A rock drill comprising a casing having a bore, a front and back head on the casing, a reciprocatory piston in the bore, a working implement to receive blows from the piston, a chuck in the front head for holding said implement, a motor in the back head, a fluid coupling driven by the motor, a feed nut engaged to said casing to impart longitudinal movement thereto, a gear train driven by the motor and engaged to the feed nut for rotating the feed nut, a feed screw



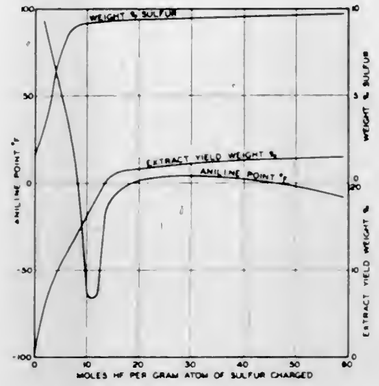
mounted independently of the casing and threaded in the feed nut, a gear train driven by the coupling for rotating the feed screw at a faster rate than the feed nut, and a gear engaged to said chuck and in threaded engagement with said feed nut and rotated thereby for rotating said chuck, said gear acting responsively to the vibrations of the rock drill for accelerating and interrupting said rotation of the chuck.

2,584,247
PULP SCREEN FLOW PIPE
Emitt S. Anderson and Archie B. Haley, Kenora, Ontario, Canada, assignors to Minnesota and Ontario Paper Company, Minneapolis, Minn.
Application June 4, 1948, Serial No. 31,165
3 Claims. (Cl. 92—29)

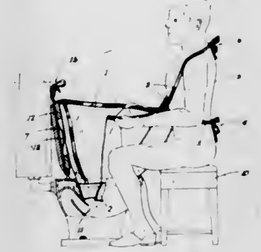
1. In a rotary pulp screen, means for delivering pulp to the screens under pressure, said means comprising a first conduit for receiving pulp, a second conduit longer than the first conduit and for receiving pulp from the first conduit and delivering the pulp through restricted passages to the pulp screen, spaced conduits of smaller size than the first and second conduits connecting the first and second conduits, a baffle in the second conduit and positioned adjacent the delivery passages and between the delivery passages and discharge end of spaced conduits connecting the first and second conduits, and removable means for closing one end of each of the first and second conduits.

2,584,248
RECOVERY OF SULFUR COMPOUNDS FROM PETROLEUM
Robert E. Barieau, Berkeley, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application July 13, 1948, Serial No. 38,397
8 Claims. (Cl. 196—31)

1. The method of separating a concentrate of organic sulfur compounds from sulfur-containing petroleum oils which comprises first extracting said oil with a mineral acid having a concentration not exceeding 80 per cent by weight and thereafter extracting the raffinate of the first extraction with hydrofluoric acid having a concentration of at least 85 per cent by weight.



2,584,249
COLOSTOMY APRON
Virginia G. Belcher, Reno, Nev.
Application April 12, 1949, Serial No. 87,006
7 Claims. (Cl. 128—283)

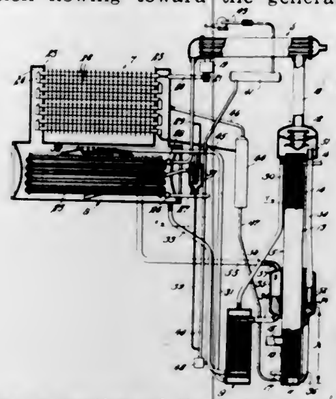


7. A colostomy device comprising a material receiving apron of funnel-like shape adapted to extend at the lower end into the bowl of a toilet, means adapted to detachably secure the apron at the front and top closely to the waist of a patient seated facing said toilet bowl, and strings attached to the back of the apron and adapted to be detachably secured to the toilet above the bowl and above the seat.

2,584,250
SOLUTION PREHEATER FOR ABSORPTION REFRIGERATION SYSTEMS
Norton E. Berry, Newburgh, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 9, 1947, Serial No. 740,321
5 Claims. (Cl. 62—119)

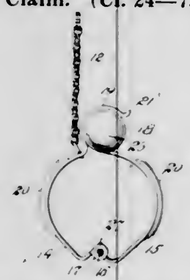
1. A generator for a two-pressure absorption refrigeration system comprising a riser tube, a conduit for delivering absorption solution strong in refrigerant to the lower end of said tube, means for heating the tube to expel refrigerant vapor from solution therein, a conduit for withdrawing refrigerant vapor from the upper end of said tube, and a conduit connecting said vapor

and solution conduits and extending into the solution flowing toward the generator for de-



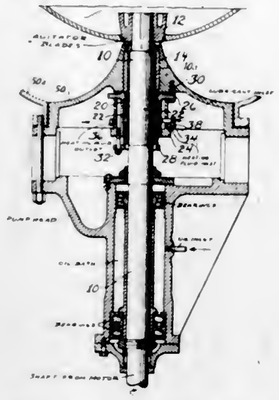
livering a portion of the refrigerant vapor into the solution.

2,584,251
GLOVE HOLDER
Gertrude Bloom and Israel Bloom, New York, N. Y., assignors to Gluv-Gard Mfg. Co., Inc.
Application November 10, 1949, Serial No. 126,464
1 Claim. (Cl. 24—73)



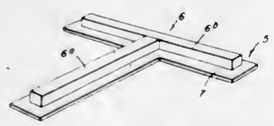
The glove carrier herein disclosed and comprising companion, arcuate jaws in opposed, oppositely bowed relation forming a ring-like clasp for embracing a pair of gloves, the ends of said arcuate jaws meeting in opposing relation, the meeting ends of the jaws at one side of the ring-like clasp being indented inwardly within the ring-like contour and pivotally connected together, leaving the exterior of the clasp free of projecting hinge formation and providing projections within the interior of the ring-like formation for gripping gloves held in the clasp, the other end of one of said jaws being rolled into a circular loop and the companion end of the other jaw being formed in a part circular, resilient hook to partially embrace said loop, said hook terminating in an outwardly projecting, inclined lug making sliding wedging engagement over the circular loop in the closing movement of the jaws and providing a projection for engagement by the fingers in forcing the hook back over the circular loop in the releasing operation of the jaws, projecting elements at opposite ends of the circular loop extending beyond the edges of the hook embracing the loop and providing projections at an angle to said projecting lug for engagement by other fingers effecting the release of the hook from the loop, and suspension elements connected with one of the jaw members adjacent said hook and adapted to be connected to form a supporting loop opposite the hinge for suspending the clasp with the releasable hook at the top and the hinge connection at the bottom in the intended use of the article.

2,584,252
PACKING GLAND
Valrie E. Bourgeois, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 21, 1945, Serial No. 636,486
2 Claims. (Cl. 308—36.1)



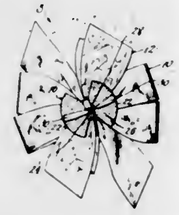
1. In an apparatus for handling materials at low temperatures, including a low temperature zone having an encompassing wall, and a shaft extending into the zone through a shaftway in the wall, means for supporting said shaft substantially to compensate for the low temperature effect transmitted therethrough, comprising a bearing-bushing in the shaftway extending outwardly therebeyond and supporting one end of the shaft, a separate, tubular, hollow-walled, stuffing box having inner and outer annular end portions, encircling the shaft in radially spaced relation thereto, a soft packing material in the space between said stuffing box and the shaft, a gland member in the outer end portion of said stuffing box, including means for thereby compressing the packing material against said shaft, conduit means opening into and from the hollow wall of said stuffing box for circulating a heating fluid therethrough, means for securing the inner end of said stuffing box to the vessel wall in sealing engagement with the outwardly extending end of said bearing-bushing, and a bearing for the other end of said shaft supported in substantially spaced relation to the wall of said zone and to said stuffing box.

2,584,253
THREE-DIMENSIONAL SIGN LETTER
Moodie E. Braun, Sr., Phoenix, Ariz., assignor, by direct and mesne assignments, of thirty-three and one-third per cent to Suzanne Braun, Phoenix, Ariz., and thirty-three and one-third per cent to Ruth T. Fickett
Application March 3, 1948, Serial No. 12,746
1 Claim. (Cl. 40—135)



A composite sign letter for use in connection with an illuminable lamp box, said letter comprising a relatively thin flat piece of material uniform in cross-section and marginally delineated to represent a predetermined alphabetical letter, the central region of said piece of material being transparent and of an outline corresponding to that of said piece of material and providing a sight for unobstructed passage of light rays, the marginal portions of the material projecting beyond and circumscribing said sight being opaque to intercept and block the passage of light rays therethrough, and a relatively thick component piece of transparent material smaller but corresponding in shape to the first-named piece of material, said thick piece being rectangular in cross-section superimposed upon said thin piece and secured thereto and lined up and registering with and covering said sight, the opaque portions of said first-named piece of material projecting sufficiently far beyond the marginal edge portions of said thick piece of material to function as flanges which are adapted to be attached to a given portion of the stated lamp box.

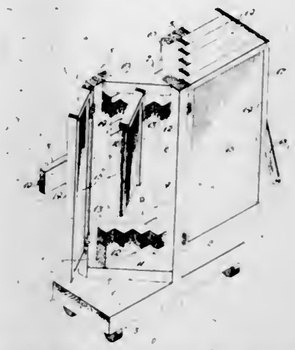
2,584,254
ORNAMENT
Caroline M. Brodbeck, Bridgeport, Conn.
Application March 16, 1950, Serial No. 150,044
5 Claims. (Cl. 41—10)



1. A decorative device for attachment to an article, comprising a preformed bow including a plurality of loops of decorative fabric strip; a tying strip passing around, constricting and securing said loops and knotted at the back of said bow; and an attaching plate of flexible fabric having a pair of broad wings connected by a neck, and having adhesive on the back surfaces of said wings, said attaching plate being positioned with its front surface against the knotted portion of said tying strip, said tying strip passing around said neck and being knotted at the back thereof, and the free ends of said tying strip being extended outwardly, one against the adhesive surface of each wing, and along the wing and substantially midway thereof.

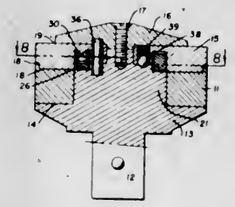
2,584,255
MERCHANDISING AND DISPLAY STAND
Alexander R. Brown, Portage la Prairie, Manitoba, Canada
Application June 21, 1947, Serial No. 756,214
1 Claim. (Cl. 211—169)

A merchandising and display stand comprising in combination, a supporting structure embodying a base and a framework, said framework including vertical anterior and posterior components, two pairs of stepped, horizontal hinge stringers, each pair comprising at least two of said stringers arranged in spaced, parallel, vertical, co-planar relationship with their ends in vertical alignment, said pairs diverging from said anterior component toward said posterior components, frames containing merchandise-holding panels hingedly secured to said stringers in overlapping relationship by the vertical edges thereof the other vertical edges of said frames lying in a common vertical plane



at right angles to the plane of the anterior component when said frames are parallel with the common plane of the posterior components of said framework.

2,584,256
ROLLER TYPE RATCHET STRUCTURE
Oren G. Brown, Seattle, Wash.
Application April 6, 1949, Serial No. 85,899
2 Claims. (Cl. 192—44)

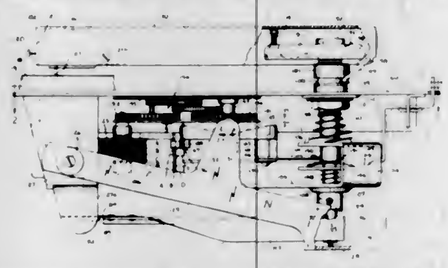


1. A ratchet tool comprising in combination, a driving member having a circular orifice therein, a driven member having a prismatic boss rotatably positioned within said circular orifice, a circular member between each face of the boss and the wall of the orifice, a rotatable ring carrying cages holding said circular members in fixed parallel interrelation, a shifting spool rotatably carried on the end of said boss and having outward means adapted for manual gripping and rotation of the spool, interrelative opposed spring means connecting the shifting spool with said ring to resiliently impart rotation to said ring corresponding in direction of the rotation of the shifting spool and thereby wedge said circular members against the wall of the orifice and the faces of the boss, an arcuate slot in the spool, and a stud upstanding from the boss and a stub upstanding from the boss and extending into said slot whereby rotation of the spool with respect to the boss is limited by the length of the slot.

2,584,257
AUTOMATIC PHONOGRAPH
Robert M. Cain, Charlotte, Mich., assignor to Wilcox-Gay Corporation, Charlotte, Mich., a corporation of Michigan
Application November 6, 1945, Serial No. 627,061
5 Claims. (Cl. 274—10)

1. In a phonograph recorder having a turntable and a recording arm, said turntable and

recording arm being rotatable in a horizontal plane about a pivot individual to each thereof; said recording arm carrying a recording member engageable with a record on the surface of said turntable; said recording arm and recording member being movable about the pivot of the recording arm from beyond the edge of the turntable toward the pivot of the turntable and back; the pivot of said recording arm comprising a rotatable vertically slidable post; a horizontal cam and means for rotating the cam; a connection between the cam and the post for rotating the post in one direction during a first portion of the rotation of the cam and in the opposite



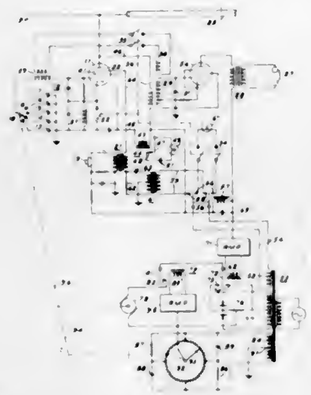
direction during the remainder of the rotation of the cam; a lever pivoted in a vertical plane having a portion thereof connected to the post and another portion carrying a cam-follower bearing on a surface of said cam; the cam surface having a plurality of curves, one curve, on initiation of rotation of the cam, operating the cam-follower to raise the lever, the post and its recording arm; the said cam on continuation of the first portion of rotation thereof rotating the post; a second curve of the cam surface engaging the cam-follower on completion of the first portion of rotation of the cam to lower the lever, the post and the recording arm.

2,584,258
PROCESSING OF GRAINS FOR THE PRODUCTION OF ALCOHOL
Leo M. Christensen, Lincoln, Nebr., and Leland A. Underkofler, Ames, Iowa
No Drawing. Application November 14, 1946, Serial No. 709,797
4 Claims. (Cl. 195—15)

1. A method of producing alcohol from grains chosen from the group consisting of wheat, rye and barley which comprises, removing bran from the grain to the extent of substantially 3 lbs. of bran per 100 lbs. of grain, inoculating the bran with spores of *Aspergillus oryzae* and incubating for a period of time sufficient to develop a mold bran of high amyloclastic activity; mashing the debranned grain, saccharifying the mash with the said mold bran and fermenting the saccharified mash to produce alcohol therefrom.

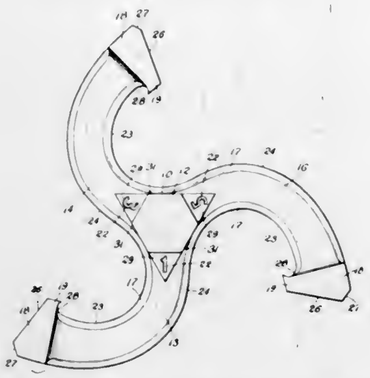
2,584,259
INTEROFFICE TELEPHONE SYSTEM
Robert Crane, Jr., Chappaqua, and George R. Gamertsfelder, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated, a corporation of New York
Application March 30, 1949, Serial No. 84,304
9 Claims. (Cl. 179—15)

1. An inter-communication system comprising, a plurality of stations interconnected by a single common communicating channel, a receiving circuit at each of said stations tuned to a single selected carrier wave signal frequency which differs for each of said stations, a transmitting circuit at each of said stations including means selectively tunable to any one of the carrier wave signal frequencies to which the receiving circuits of the remaining stations are tuned, means in each of said transmitting circuits for modulating a selected carrier wave signal frequency by an audio frequency, means in each



of said receiving circuits for demodulating the carrier wave signal frequency for which said receiving circuit is tuned and means in said transmitting circuit actuated by said selectively tunable means for indicating whether a signal having a carrier wave signal frequency to which said selectively tunable means is adjusted is being impressed on said common communicating channel.

2,584,260
QUOIT
Carl M. Custer, Cincinnati, Ohio
Application June 5, 1948, Serial No. 31,260
2 Claims. (Cl. 273—106)



1. A game device for pitching against a post which comprises, a central body portion, a plurality of arms projecting radially from and arranged symmetrically about said central body portion in a single plane, each of said arms being curved to define openings about the periphery of the device, each opening being between a concave side of an arm and convex side of an adjacent arm, the concave side of each arm merging into and forming an extension of the convex side of the adjacent arm, and inwardly projecting teeth at free ends of the arms for engaging the post.

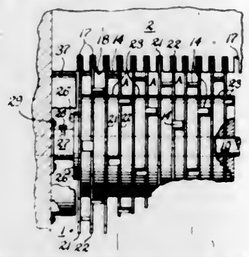
2,584,261
GROUND TRAINER FOR AIRCRAFT CREW
Richard C. Davis, Great Neck, N. Y., Edward J. Fogarty, Rutherford, N. J., and Robert O. Rippere, Massapequa, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1944, Serial No. 542,986
41 Claims. (Cl. 35—12)



1. In an aircraft simulator, a source of alternating current, a plurality of means directly or indirectly responsive to acts performed by a trainee in the simulation of the control of an airplane in preparation for and in flight for deriving potentials from said source of current, a plurality of instruments for indicating a plurality of operational and flight conditions, a motor driven means for controlling each of said instruments, circuit networks associated respectively with said motor means and responsive to the integration of different combinations of said derived potentials for controlling the operation of said motor driven means whereby said instruments are operated to indicate the instantaneous effects of said acts, and means operated by certain of said motor means for deriving potentials from said source to produce integration factors in the circuit networks associated with others of said motor means.

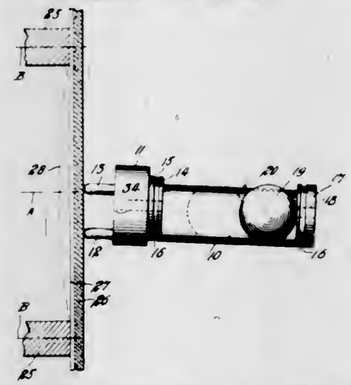
41. In a device for simulating the flight of an airplane, means for simulating the air speed of a simulated flight, indicators for indicating the rate of turn and the angle of bank of a simulated flight, motor control circuits for causing the operation of said indicators in response to the execution of a turn in a simulated flight, means operative when the air speed of the simulated flight becomes zero and means effective in response to the operation of said operative means for rendering said motor control circuits inoperative whereby said indicators are rendered insensitive.

2,584,262
ROTARY CUTTER
Boyd E. De Lamater, Sr., Cincinnati, Ohio
Application November 15, 1949, Serial No. 127,406
5 Claims. (Cl. 146—123)



1. Apparatus for comminuting vegetable matter such as leaves, grass and the like, comprising a housing having therein a stationary cutter bar provided with spaced parallel slots in and disposed at substantially a right angle to the cutting edge thereof and a rotary cutter, said rotary cutter comprising a shaft, a plurality of spaced parallel disks secured to said shaft and having their centers co-axial with the axis of rotation of the cutter, each of said disks having radial teeth uniformly spaced about the circumferential edge thereof and disposed to pass through a cutter bar slot, and certain of said disks having integral segmental cylindrical teeth projecting laterally therefrom towards the adjacent disks, said segmental cylindrical teeth being located radially inward of their respective disks a distance corresponding to the radial distance between the tips of the teeth to the cutting edge of said cutter bar, the cutter bar being in a plane passing approximately through the axis of rotation of the rotary cutter, the cutting edge of said cutter bar being parallel to the axis of rotation of the rotary cutter and substantially tangent to a cylinder containing the outermost surfaces of said segmental cylindrical teeth.

2,584,263
FRAME MEMBER LOCATING DEVICE
De Graffenried G. Ford, Scarsdale, N. Y.
Application May 17, 1950, Serial No. 162,556
9 Claims. (Cl. 73—67)



7. A device for locating frame members in hollow walls comprising, an elongated supporting member, a weight carried by said supporting member and adapted to be freely movable longitudinally thereof, structural means associated with said supporting member against which said weight is adapted to engage for positively limiting the longitudinal movement of said weight in each direction with respect to said member, and an abutment means for said supporting member located at one end thereof for engagement against a wall surface to be tested the parts being arranged such that the axis of the supporting member extends outwardly from the wall but inclined at a small angle with respect to the perpendicular to the wall surface when the abutment means is so engaged.

2,584,264
PROCESS FOR CURING COATINGS OF POLYSULFIDE POLYMERS
William S. Foulks, Philadelphia, Pa., assignor to Thiokol Corporation, a corporation of Delaware
No Drawing. Application June 20, 1945, Serial No. 600,638
8 Claims. (Cl. 117—62)

1. Process of providing the surface of a body with a protective coating which comprises coating said surface with a substantially anhydrous liquid coating mixture comprising a polyalkylene polysulfide containing at least two carbon-attached —SH groups, said polyalkalene polysulfide existing at 25° C. in a liquid condition and being mixed with an oxidizing agent selected from the group consisting of zinc chromate and zinc
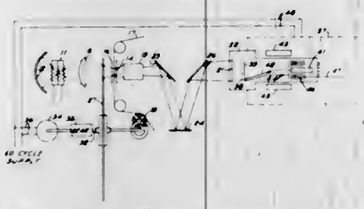
peroxide and hardening said coating by exposing it to the action of an alkaline agent selected from the group consisting of ammonia and the volatile amines.

2,584,265

FILM TO TELEVISION TRANSLATOR

Frank N. Gillette, Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York

Application May 10, 1949, Serial No. 92,343
12 Claims. (Cl. 178—7.2)



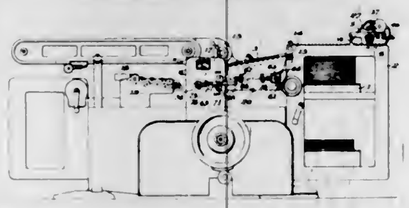
1. A film to television translator comprising, a television camera including a television pick-up tube of the image orthicon type translating picture images to electrical signals at one rate of picture recurrence, a motion picture projector including means for intermittently advancing a film strip having photographic picture frames thereon at a different rate of picture recurrence, means for projecting the light images produced by said motion picture projector, means for impressing said projected image on said television pick-up tube, and light interrupting means driven in synchronism with said means for intermittently advancing said film strip for interrupting the light images produced by said motion picture projector at a rate of recurrence which is equal to the least common multiple of said first and second mentioned rates of picture recurrence.

2,584,266

DOUBLE ROLLING ATTACHMENT FOR PRINTING PRESSES

David S. Harnly, Jr., Scottdale, Pa.

Application June 14, 1949, Serial No. 98,906
8 Claims. (Cl. 271—56)



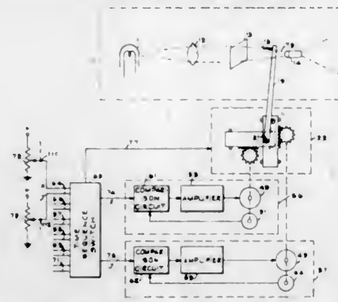
4. In a pneumatically fed printing press provided with manually-controlled missing and crumpled sheet detecting mechanism and having at least one pneumatic conduit leading from a source of pneumatic pressure to a sheet feeder of the press and a constantly rotated valve disposed in the conduit for communicating the feeder with said source, the combination of apparatus for automatically effecting double rolling comprising a collar plate movably mounted on said conduit, driving connections between said valve and said plate for intermittently moving the plate, said plate and conduit being provided with openings arranged to align upon said intermittent movements to vent said pneumatic pressure and eliminate one of the sheet feedings normally effected by said valve rotation, and means for returning said collar to non-venting position; and apparatus for automatically shutting off said sheet-detecting mechanism during said double rolling comprising a pinion keyed onto said manual control of the detector, a rack bar meshed with said pinion, rack bar driving means synchronized with the operation of said sheet feeder for moving said rack bar in one direction a sufficient amount to shut off said detector when said one feed is eliminated by said double rolling apparatus, and means for returning said arm to its normal position for turning on said detector when a sheet is being fed.

2,584,267

AUTOMATIC PLOTTING BOARD AND PROJECTING MEANS

Arthur F. Hayek, Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York

Application February 17, 1949, Serial No. 76,890
7 Claims. (Cl. 88—24)



1. In a device of the character described, a plurality of pairs of input circuits each comprising means for producing a first electrical potential whose amplitude is a function of position in one coordinate of direction and means for producing a second electrical potential whose amplitude is a function of position in another coordinate of direction, a first motor, a first control circuit operable by a selected one of said first electrical potentials positioning said first motor in accordance with the amplitude of said selected one of said first electrical potentials, a second motor, a second control circuit operable by a selected one of said second electrical potentials positioning said second motor in accordance with the amplitude of said selected one of said second electrical potentials, means for sequentially connecting respective ones of said pairs of input circuits to the respective first and second control circuits, a stylus, means for positioning said stylus by the conjoint operation of said first and second motors, a plotting plate, means for causing said stylus periodically to contact said plotting plate in timed relation to the operation of said sequential connecting means to inscribe a positional plot thereon, and means for projecting the plot so inscribed.

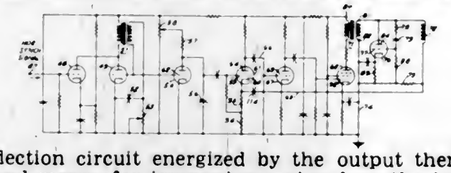
2,584,268

TELEVISION SWEEP CIRCUITS

Wayne K. Hodder, Pasadena, Calif., and Louis L. Pourciau and Richard W. Lee, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated, a corporation of New York

Application June 16, 1949, Serial No. 99,508
3 Claims. (Cl. 315—27)

1. A linear sweep circuit for a television receiver comprising, a sawtooth signal wave generator including a resistance capacity circuit having a time constant greatly in excess of the period of recurrence of received synchronization signals, means for triggering said sawtooth generator in timed relation with received synchronization signals, a high gain amplifier, a deflection circuit energized by the output thereof and means for impressing a signal on the input of said amplifier whose instantaneous amplitude is represented by the difference between said sawtooth signal and a potential derived from said deflection circuit.

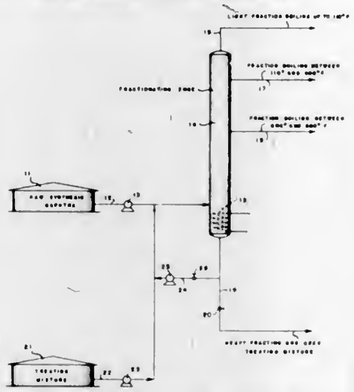


2,584,269

SEPARATION OF OXYGENATED ORGANIC COMPOUNDS FROM SYNTHETIC NAPHTHA

Linnie P. Hodges, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application October 25, 1948, Serial No. 56,448
4 Claims. (Cl. 260—450)



1. A method for removing oxygenated organic compounds from a raw-naphtha obtained from the synthesis of carbon monoxide and hydrogen over an iron catalyst containing approximately 20 wt. per cent oxygenated organic compounds including ketones, aldehydes, carboxylic acids and esters which comprises admixing the hydrocarbon fraction from the synthesis of carbon monoxide and hydrogen over an iron catalyst with a treating reagent comprising a hydrocarbon fraction boiling in the lubricating oil boiling range, an alkali metal naphthenate, and an alkali metal hydroxide, subjecting the admixture to distillation conditions and recovering from said distillation a fraction boiling in the gasoline boiling range substantially free of said oxygenated organic compounds.

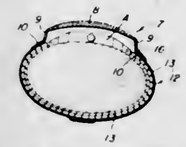
2,584,270

WRIST WATCH GUARD

Richard H. Hucknall, Bayside, N. Y.

Application April 19, 1948, Serial No. 21,920
1 Claim. (Cl. 58—105)

A guard for a wrist watch and strap carried by said wrist watch comprising a substantially rigid transparent plastic hollow shell of dome-shaped form including a convexed crown portion and outwardly and downwardly flaring marginal wall portions, said wall portions having endless outstanding flange means, and an endless wrist encircling band, said band being all elastic, yieldable both longitudinally and transversely and having a central porous web portion and relatively stout elastic longitudinal edging and reinforcing elements commensurate in length with said web portion, the elastic properties of said elements being of a greater degree of elasticity than the elasticity of said web portion, the latter being provided with an expansible and contractible opening, the dome-shaped portion of said shell protruding through and beyond said opening with the marginal edge portions of the opening yieldingly encompassing and binding against said wall portions, said flange means projecting well beyond the stated marginal edge portions of the opening and being in contact with said edging elements and adapted to be yieldingly held against the wearer's wrist by the elastic retentive action of the latter.



2,584,271

STEROID DERIVATIVES AND METHOD FOR PRODUCING THE SAME

Max N. Huffman, Dallas, Tex., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois

No Drawing. Application June 19, 1948, Serial No. 34,144
25 Claims. (Cl. 260—239.55)

1. A process for the manufacture of 16, 17-dihydroxy steroids of the androgen and estrogen series, wherein the corresponding steroid having a ketone group in at least one of the C_{16} and C_{17} positions and a hydroxyl group in the other is reduced by a base metal amalgam in the presence of a hydrogen donor.

2,584,272

RADIO-FREQUENCY BOLOMETER WATTMETER

Eugene O. Keizer and Vernon D. Landon, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application July 12, 1946, Serial No. 683,055
8 Claims. (Cl. 171—95)



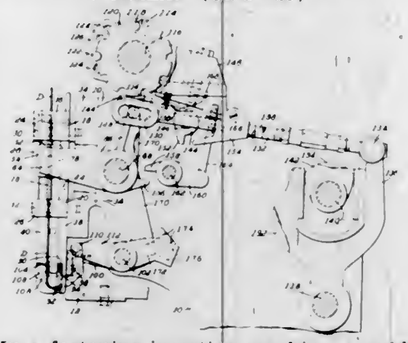
1. A high-frequency wattmeter unit comprising a concentric line having separable sections whose inner conductor members terminate short of one another leaving a gap in the inner conductor of said line, and a single-electrode bolometer tube removably surrounded by the outer conductor of one of said sections and having terminals at its opposite ends respectively engaging the ends of said inner conductor members to close said gaps and to include the bolometer filament in the inner conductor of said line.

2,584,273

FASTENING INSERTING MACHINE

Cutler D. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application September 21, 1948, Serial No. 50,255
7 Claims. (Cl. 1—25)



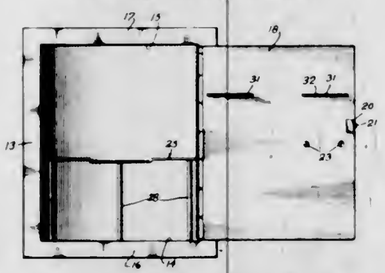
1. In a fastening inserting machine, a guiding passage, means for intermittently feeding a strand of fastening material through said passage and into a work piece presented to the machine, a combined shearing, curling and clenching member movably mounted as to be operable in a path adjacently parallel to said passage, said member having a shearing edge inclined at an acute angle to the direction of the strand as it emerges from out the guide passage and having a lower surface portion facing the work piece and extending laterally from the shearing edge, means operable upon completion of the feeding movement of the strand into the work piece for bending the strand laterally across the path of said member at an acute angle, and means actuated upon completion of said bending for operating said member in one continuous motion first to shear off the strand at a distance above the work surface while progressively curling the sheared portion of the strand beneath the surface of the member and toward the surface of the work and then to clench the curl of the completely sheared trailing end portion of the strand downwardly and re-entrantly into the work piece.

2,584,274

CABINET WITH REMOVABLE SHELF

Carl A. Laystrom, Decatur, and Howard R. Sigler, Argenta, Ill., assignors to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois

Application January 28, 1949, Serial No. 73,412
2 Claims. (Cl. 312—242)



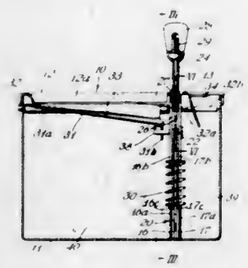
1. A bathroom cabinet or the like which comprises an upstanding wall member shaped to embrace a space with open top, bottom and front portions, said upstanding wall member having out-turned side flanges lying in the plane of the open front portion, a top wall closing the open top and having an up-turned top flange at the front end thereof mating with the upper ends of the side flanges, a bottom wall closing the open bottom and having a depending bottom flange at the front end thereof mating with the bottom ends of the side flanges, said side, top and bottom flanges forming an out-turned peripheral margin border for the open front of said space and adapted to abut against a building wall around a recess therein receiving the cabinet walls, a door for closing the open front of said space, a hinge mounting one side of said door on said upstanding wall member adjacent a side flange, a removable shelf contoured to snugly fit against the upstanding wall member and having a front edge inwardly from the side flanges to be spaced from the door in any position of the door, a pair of front legs depending from the shelf at the junctions of the front edge of the shelf and the upstanding wall confronting edge of the shelf, a rear leg depending from the shelf midway between the front legs adjacent the upstanding wall confronting edge of the shelf wall, and said legs resting on said bottom wall to support the shelf above the bottom wall without obstructing the space between the bottom and shelf.

2,584,275

CIGARETTE EXTINGUISHER

Walter L. Lile, Roswell, N. Mex.

Application June 1, 1949, Serial No. 96,572
7 Claims. (Cl. 131—237)



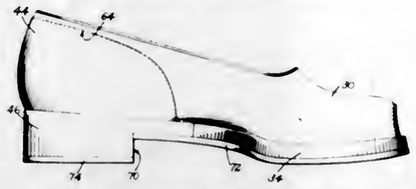
5. A cigarette extinguisher comprising, in combination, a casing, a pair of spaced walls slidably supported therein, said walls having a central opening and a substantially vertically disposed cam slot adjacent thereto, an apertured blade member positioned between said walls in the locale of said opening, a cigarette-receiving tray pivotally mounted in said casing and having a lug with a normally horizontally disposed camming slot in registry with said guide slot, a stop spaced from said tray to position a lighted cigarette in said tray with the lighted end extending through said blade member, an apertured plunger reciprocable between said walls and over said blade member, said plunger having a pin extending through said camming slot and said guide slot, and resilient means normally biasing said plunger upwardly, whereby the lighted end of a cigarette positioned in said tray against said stop and through said blade member and said apertured plunger may be severed when said plunger is depressed against the bias of said resilient means to carry the cigarette downwardly, said tray being simultaneously actuatable in pivotable displacement by said plunger and said pin to deposit the butt end of the cigarette on one side of said walls while the lighted end of the cigarette will fall on the other side of said walls.

2,584,276

METHOD OF MAKING SLIP LASTED SHOES

Joseph C. Lisbon, Haverhill, and Horatio S. Lyness, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application December 4, 1947, Serial No. 789,642
16 Claims. (Cl. 12—142)



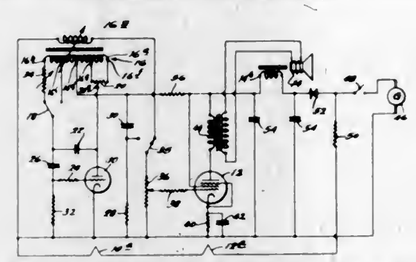
1. That improvement in methods of making shoes which comprises securing an upper and a sock lining together off a last, inserting a last into the upper to slip-last the shoe, mounting a back part unit including a stiff molded counter over the heel portion of the upper and securing it thereto, thereby providing the shoe with a stiff heel portion, and attaching shoe bottom members including an outsole to the bottom of the shoe.

2,584,277

ELECTRONIC TUNING DEVICE

Thomas H. Long, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana

Application October 8, 1948, Serial No. 53,505
11 Claims. (Cl. 250—36)



1. In an oscillator of the type having a tuned circuit with a reactance element having spaced taps selectively connectable to a terminal to adjust the oscillator for operation on either of two frequencies, the improvement which comprises a resistance connected between said taps and having a movable contact member, and means connecting said contact member to said terminal.

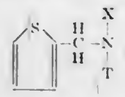
2,584,278

N(THIOPHENALKYL)ARYLAMINES

John H. McCracken, Tulsa, Okla., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Original application May 28, 1947, Serial No. 751,124. Divided and this application November 6, 1948, Serial No. 58,799
7 Claims. (Cl. 260—329)

6. As a new chemical compound, an amine having the formula:



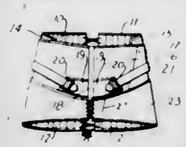
wherein X is a radical selected from the group consisting of hydrogen and 2-thenyl, and T is a radical selected from the group consisting of alpha-naphthyl, beta-naphthyl, phenyl and benzyl.

2,584,279

SURGICAL GARMENT

Esther K. McDowell, Minneapolis, Minn., assignor to Esther K. Leggate, New Galilee, Pa.

Application February 4, 1948, Serial No. 6,251
1 Claim. (Cl. 2—27)



In a surgical garment of the type described, the combination of a pair of non-elastic rear side sections having opposing edges, an adjustable flexible lacing for positioning said opposing edges with respect to each other, front side flaps integrally connected to outer edges of said rear side sections from top to bottom of said sections, a non-elastic waist band integrally connected to said outside edges of said rear sections adjacent the connection of said front flaps thereto and extending from position near the top of said rear side sections to position near the center thereof, said waist band consisting of two separate pieces of material overlapping each other, means for detachably securing said separate overlapping pieces of said waist band to each other, a non-elastic auxiliary support having a central portion thereof secured to a central lower front portion of said waist band and having free end parts thereof extending outwardly from said central portion, an adjusting strap encircling the garment, means constituted as loops fixed to an outer surface of said rear sections above said auxiliary support for supporting said adjusting strap, means constituted as buckles secured to outer portions of said free end parts for adjustably fastening said strap with respect to said auxiliary support, a non-elastic thigh control member integrally connected to outer edges of said rear side sections adjacent the connection of said front side flaps and extending from position slightly above a lower edge of said waist band to position adjacent the bottom of said rear side sections and consisting of two strips of material each having opposing edges spaced from the other strip edge and an adjustable elastic lacing for positioning said opposing edges with respect to each other, one of said strips of material making up said thigh control member consisting of two overlapping pieces, and means for detachably fastening said two overlapping pieces of said thigh control to each other.

2,584,280

METHOD OF PREPARING SUBSTANTIALLY IRON-FREE AMMONIUM SULFATE FROM SPENT PICKLE LIQUOR

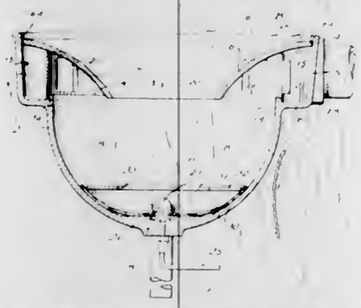
Herman P. Meissner, Watertown, and Richard W. Hyde, Arlington, Mass., assignors, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

No Drawing. Application January 9, 1947, Serial No. 721,152
8 Claims. (Cl. 23—119)

5. The method of preparing substantially iron-free ammonium sulfate from a spent pickle liquor which comprises the steps of contacting said liquor with a crude coke oven gas containing am-

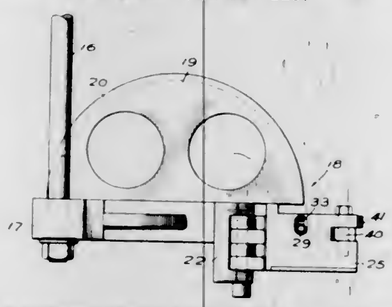
monia to elevate and maintain the pH of said liquor between about 8.1 and 8.5 and thereby converting the said liquor into a black slurry containing precipitated ferrous iron compounds, separating the solid phase from the liquid phase which consists essentially of ammonium sulfate and contains substantially no dissolved iron, contacting said liquid phase with an oxidizing gas and oxidizing any residual dissolved iron, and separating the ammonium sulfate from the resulting precipitate of oxidized iron.

2,584,281
POT TYPE OIL BURNER APPARATUS
Harry E. Morlock, Medina, Ohio
Application December 20, 1948, Serial No. 66,179
7 Claims. (Cl. 158—91)



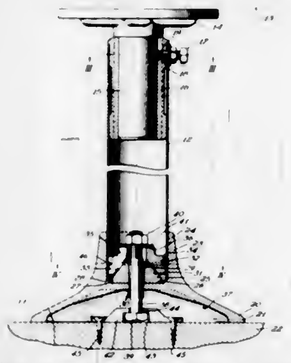
1. In a pot type oil burner, a metal body of bowl form having a bottom cavity extending below its lower surface, a rigid porous wick lying in the cavity and extending above said lower surface, a flexible porous wick of disc-like form surrounding the rigid wick and in contact therewith, means for supplying air to support combustion at both wicks downwardly and inwardly within the body and means for supplying fuel to the cavity for absorption by both wicks.

2,584,282
HOLDING APPARATUS FOR TESTING CABLE
Oscar G. Nelson, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 4, 1944, Serial No. 529,518
1 Claim. (Cl. 24—115)



In a unitary device for snubbing and clamping an electric cable without damage, the combination of an arcuate snubber having on its curved periphery a groove for receiving a bight of the cable, a bracket secured to the snubber and having an opening spaced from the snubber, a pair of clamping jaws pivotally and hingedly positioned within said opening in the bracket, a pair of inserts attached to the jaws and having complementary grooves formed therein, means for closing the jaws and the inserts to frictionally clamp a cable, a pin secured in the bracket about which the jaws hinge and pivot as a unit to bring the complementary grooves thereof into alignment with said groove in the arcuate snubber, said pin being parallel to a tangent of the snubber at the end adjacent the clamping jaws, and said jaws each having a projecting portion to contact the snubber to prevent bending of the jaws when tension is applied to the cable clamped therein.

2,584,283
FASTENING MEANS FOR TELESCOPING TUBULAR MEMBERS
Conrad J. Oliver, Waukegan, and Joseph Kupski, North Chicago, Ill., assignors to The Chicago Hardware Foundry Company, North Chicago, Ill., a corporation of Illinois
Application February 25, 1949, Serial No. 78,343
7 Claims. (Cl. 155—134)

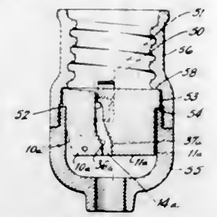


1. Fastening means for securing a thin-walled tubular member to a base having an upper cylindrical open-topped recess comprising an inner, wedge member seated within said recess and having a conical camming face extending into one end of said tubular member when inserted within said recess, a plurality of segmental outer wedge members each having an inner inclined camming face for sliding contact with said conical camming face and an outer portion for contacting the inner peripheral surface of said tubular member, and means projecting upwardly through said base into said recess for retaining said inner member in seated position in said recess and for urging said outer wedge members downwardly toward said inner member for camming radial movement, whereby said outer members are displaced outwardly to deform said tubular member outwardly into engagement with the interior surfaces of said recess.

2,584,284
COPOLYMERS OF TRIFLUOROCHLOROETHYLENE AND STYRENE
Frank Gardiner Pearson, Bryn Mawr, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 1, 1948, Serial No. 52,411
3 Claims. (Cl. 260—87.5)

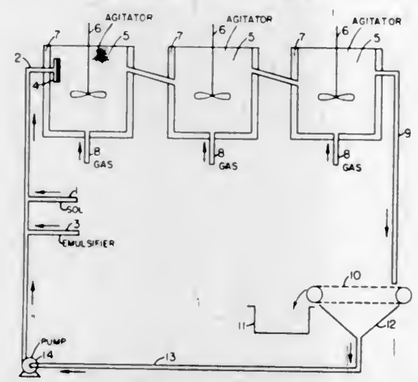
1. The copolymerization product of trifluorochlorethylene and styrene containing, in the polymer molecule, from 20 to 65 mole percent of trifluorochlorethylene and from 35 to 80 mole percent of styrene.

2,584,285
STRAIN RELIEF FOR ELECTRICAL CONNECTORS
Svend Laessøe Pedersen, Copenhagen, Denmark
Application April 8, 1948, Serial No. 19,782
8 Claims. (Cl. 173—322)



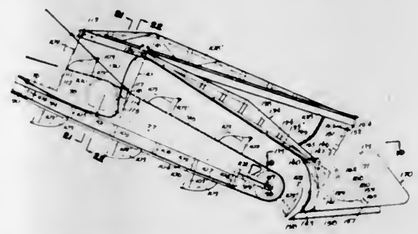
1. In an electric socket, the combination with an insulating casing including bulb retention means and electric terminals for interconnection to the bulb contacts, of a connecting mechanism, comprising, an insulating base removably mounted in said casing and having an aperture and a surface, an insulating cover for said aperture hinged to said base and being movable about the hinge axis between closure and release positions, respectively, a cam on said cover having a continuous curvature convexially eccentrically of the hinge axis and disposed opposite said surface when said cover is in closure position to squeeze for clamping therebetween an electric cord, and respectively to release the same when said cover is in release position, said cam being in said closure position near dead center, whereby outward pulling on said cord will urge said cover further towards closure, extensions on said terminals positioned on said base, and means on said cam disposed, in said closure position of said cover, adjacent said extensions and operable to press thereagainst for electric contact the wires of said cord.

2,584,286
PREPARATION AND DRYING OF CATALYTIC HYDROGEL BEADS
Jerry A. Pierce and Charles N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application March 11, 1944, Serial No. 526,048
10 Claims. (Cl. 252—448)



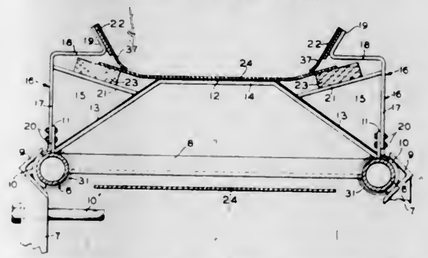
1. A continuous process for preparing dry adsorbent alumina gel in spherical form comprising emulsifying alumina sol in mineral oil, maintaining said emulsion at a temperature between 150 and 200° F. for a period of time sufficient to cause said sol to set to a hydrogel, maintaining said hydrogel dispersed in said oil for a further period of time at the same temperature to distill the water therefrom and form dry hard spherical particles of alumina gel, passing an inert gas through the oil containing the dispersed hydrogel particles to assist in removing water from the hydrogel particles, separating said alumina gel particles from said oil and returning said oil to said emulsifying step.

2,584,287
DIGGING ADJUSTMENT FOR ENDLESS TYPE TRENCH EXCAVATORS
Daniel F. Przybylski, Winona, Minn.
Application September 7, 1948, Serial No. 48,121
9 Claims. (Cl. 37—90)



1. In a machine of the class described, an engine-propelled vehicle, a rearwardly projecting shovel boom pivoted at its front end to the vehicle to swing vertically, a hydraulic lift for raising or lowering the shovel boom, shovels mounted on the shovel boom to travel an endless course, means for operating the shovels from the engine, front and rear mounts on the shovel boom, a grade holder beam overlying the shovel boom and the mounts, said grade holder beam being rigidly secured to the mounts at its front end portion, a crumber including a boom extending longitudinally between the shovel boom and the grade holder beam and pivoted at its front end portion to the rear mount, said crumber boom having a downturned rear extension, a scraper blade in front of the crumber boom extension, a slide pivoted to the lower edge portion of the scraper blade, ram controls connecting the grade holder beam and the crumber and the slide and the crumber.

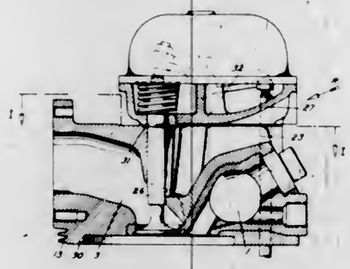
2,584,288
ENDLESS CONVEYER OF THE BELT TYPE
Daniel F. Przybylski, Winona, Minn.
Original application September 23, 1948, Serial No. 50,697. Divided and this application August 23, 1950, Serial No. 180,978
1 Claim. (Cl. 198—191)



In a conveyor of the class described, a pair of longitudinal sills, front and rear pulleys journaled on the sills, one of the pulleys being driven,

a horizontal deck having downwardly diverging side members resting on the sills and secured thereto, an endless belt arranged to run over the pulleys with its transverse intermediate portion supported on the deck, a plurality of leg brackets including upright members resting on the sills and secured thereto, inturned intermediate horizontal members and upwardly and outwardly inclined upper members on the inner ends of the intermediate members and overlying the same, brace members connecting the upright members of the leg brackets to the side members of the deck, guide rails secured to the brace members and extending under the upper members of the leg brackets and supporting the longitudinal edge portions of the belt upwardly inclined to the intermediate portion of the belt, bars resting on the upper members of the leg brackets and secured thereto, and downwardly and inwardly inclined flexible members secured to said bars and with their lower longitudinal portions overlapping and resting on the upwardly inclined edge portions of the belt.

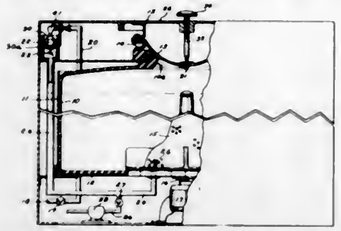
2,584,289
CYLINDER HEAD
Karl Rabe, Gmund on Karnten, Austria, assignor to Porsche Konstruktionen Ges. m. b. H., Gmund/Karnten, Austria
Application May 4, 1949, Serial No. 91,399
In Austria May 13, 1948
11 Claims. (Cl. 123—41.69)



1. In a cooling system for a cylinder head in an internal combustion engine, the combination comprising a central channel in the front of the head for the passage of a cooling fluid thereinto, an oblique channel on either side of said central channel, said channels leading into a central equalizing chamber in communication with all of said channels and an exit chamber extending from said equalizing chamber.

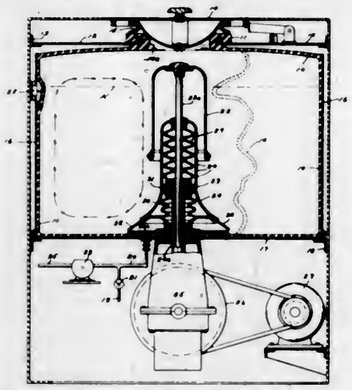
2,584,290
WATER SYSTEM PROTECTION FOR VACUUM TYPE WASHING
Henry J. Rand, Bratenahl, Ohio, assignor to H. J. Rand Washing Machine Corp., Bratenahl, Ohio, a corporation of Delaware
Application March 3, 1948, Serial No. 12,829
9 Claims. (Cl. 68—21)

1. A washing machine having a flexible liquid- and air-tight bag within which laundry is adapted to be placed and having an open neck of said bag at the top, a cover for closing the same provided with a yielding seal permitting egress of fluids outwardly only, means for washing laundry in said bag, vacuum means for withdrawing liquid and air from said bag to collapse the bag upon the laundry to dry it, a liquid supply conduit having an outlet open to the atmosphere at a level above said bag neck, a second conduit for passing liquid to said bag, valve means below the outlet and also above said bag neck, for passing liquid from said first conduit to



said second conduit and thus into said bag, means for relieving the vacuum in the bag, said cover sealing said open neck while said bag is under vacuum, said valve means discharging liquid only when said vacuum relieving means has operated.

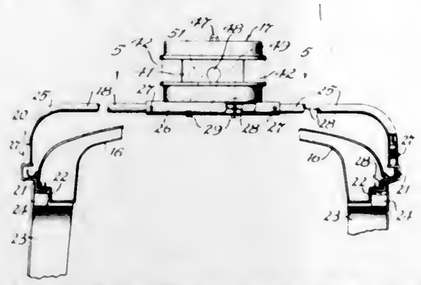
2,584,291
PULSATOR WASHER WITH VACUUM DRYING
Henry J. Rand, Bratenahl, Ohio, assignor to H. J. Rand Washing Machine Corp., Bratenahl, Ohio, a corporation of Delaware
Application March 3, 1948, Serial No. 12,830
4 Claims. (Cl. 68—21)



1. In a washing machine, the combination of a flexible liquid- and air-tight bag having an opening at the top only and adapted to hold laundry and liquid detergent, an air-tight cover for closing said top opening, a pulsator extending upwardly in the central bottom portion of said bag and having perforations adjacent the lower portion thereof, means for oscillating said pulsator vertically, said pulsator having parts propelling liquid inside said bag in a manner to produce a washing action, and means interconnected with said perforations for withdrawing liquid and air from the interior of said bag creating a substantial vacuum therein whereby to cause said bag to collapse upon the laundry and to squeeze out the liquid therein through said perforations.

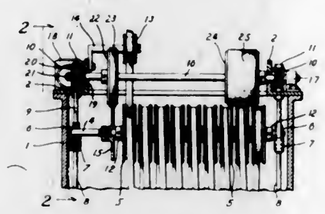
2,584,292
STOP LIGHT MECHANISM FOR MOTOR VEHICLES
Harvey R. Rogers, Springfield, Ill.
Application March 14, 1950, Serial No. 149,637
6 Claims. (Cl. 177—329)

5. In a stop light mechanism for use on the top of the body of a motor vehicle having an electrical circuit including a battery, the combination of a housing having side wall portions through which light is adapted to pass readily, sockets in said housing for supporting electric lamps therein, circuit means for connecting said sockets together for connection with the elec-



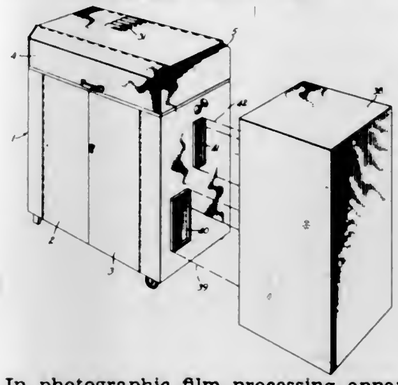
tric circuit on the vehicle, and cross-bar means connected with said housing for supporting the housing on the body of the vehicle, said cross-bar means being in the form of a yoke having downwardly extending arms, and includes means provided for connecting said arms with the door lintels at opposite sides of the vehicle.

2,584,293
DRIVE FOR CONTINUOUS PROCESSING MACHINES
Hans W. Sachs, Binghamton, N. Y., and Charles C. Borck, Chicago, Ill., assignors to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application April 17, 1947, Serial No. 742,058
5 Claims. (Cl. 271—2.3)



1. In a drive for film processing machines, a support, an upper spool shaft, means at opposite ends of said shaft rotatably carrying said shaft and having a resilient mounting on said support for independent movement of each end of said shaft relative to said support, said upper spool shaft having a plurality of film spools rotatable thereon to form the upper series of spools in a spool bank, a drive shaft rotatably mounted on said support in spaced parallel relation above said upper shaft, a drive pulley on one end of said drive shaft having friction driving engagement and cooperation with a film spool at one end of the series on said upper shaft, and disengageable drive means between the opposite end of said drive shaft and said upper shaft for driving said upper shaft in the same direction as said driven film spool, said first-mentioned means normally moving said upper shaft toward said drive shaft to retain said film spool in driving engagement with said drive pulley and said disengageable drive means in driving engagement, said upper shaft having opposite ends independently movable away from said drive shaft upon development of undesirable film tension for disengaging said film spool from said drive pulley and independently disengaging said drive means.

2,584,294
PHOTOGRAPHIC FILM PROCESSING APPARATUS
Hans W. Sachs, Binghamton, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application April 16, 1949, Serial No. 87,900
8 Claims. (Cl. 95—89)



1. In photographic film processing apparatus comprising a cabinet structure; upright partition means dividing the interior of said cabinet into an upper and lower section a chemical processing side wherein the film is developed and fixed in developer and fixing tanks in the upper section in its feed through the machine, and a finishing side in which washing and drying operations are performed; doors giving access to the upper and lower sections of said chemical processing side and to said finishing side; horizontal partition means isolating the upper section above the developer and fixing solutions from the remainder of the interior of the cabinet; and means for guiding and feeding film successively through the developing, fixing, washing and drying stages to complete the processing; means for circulating conditioned air around the exterior of said tanks in the lower section chemical processing side below said horizontal partition means for maintaining the developer and fixing solutions at substantially a predetermined temperature; drying compartment partition means isolating said drying compartment from the washing compartment in the finishing side of the cabinet; variable damper means operable optionally to divert passage of the conditioned air circulating around the exterior of said tanks in the lower section below said horizontal partition to said drying compartment; and ventilator means permitting escape of the diverted conditioned air from said drying compartment to atmosphere.

2,584,295
CULINARY ACCESSORY
Donald L. Sanzenbacher, Toledo, Ohio
Application September 17, 1949, Serial No. 116,297
4 Claims. (Cl. 99—419)



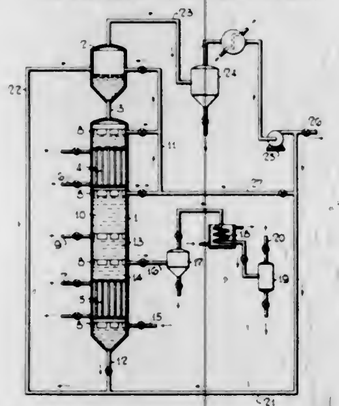
1. A culinary accessory comprising a pair of relatively flexible intermediately connected ribbons, said ribbons extending from said connection in opposite directions and provided with support-forming bent portions terminating in tines, said intermediate connection comprising a pin providing a pivotal joint with a spike extension therefrom toward the bows formed by said

bent portions but terminating short of the plane passing through the outermost extent of said bows, and a flexible tubular sheath for said spike having a portion thereof extending beyond the spike to provide a free extension for engaging the surface supporting said accesory as an anti-skid device for the accessory.

2,584,296
PROCESS FOR COUNTERCURRENT CONTACTING OF SOLIDS AND GASES

Harold W. Scheeline, West Orange, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application November 30, 1946, Serial No. 713,331
14 Claims. (Cl. 183—114.2)

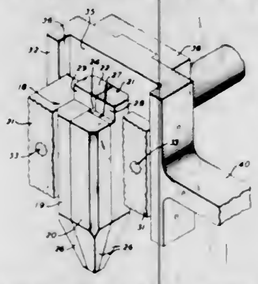


6. An improved solid-vapor contacting process, comprising continuously passing a granular, solid material downwardly, and a vaporous material upwardly through vapor-treating and heat exchange zones of contact, passing said materials in counter-current relation through a vapor-treating zone without appreciable vibratory motion of said solid material therein, passing said materials as a restricted stream of such materials through an indirect heat exchange zone, and increasing the relative velocity flow of vaporous materials upwardly through the heat exchange zone, inducing vibratory motion of the solid materials therein while maintaining downward flow of said solid material therethrough.

2,584,297
APPARATUS FOR GUIDING LEAD WIRES TO BE SOLDERED TO CRYSTALS

Karl A. Schmuldt, Emmaus, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application December 9, 1948, Serial No. 64,386
4 Claims. (Cl. 113—99)

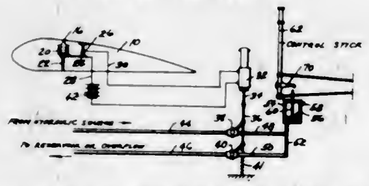


4. An apparatus for guiding a round cross-sectional wire in a given path when advanced longitudinally to a crystal supported in a predetermined position relative to the path and to which the leading end of the wire is to be soldered, the apparatus comprising four members of like cross-sectional dimensions, one cross-sectional dimension of each member being greater than the other cross-sectional dimension by approximately the diameter of the wire whereby the members when assembled in a given arrangement will form a longitudinal wire guiding aperture which is square in cross-section with the four surfaces lying tangential with the wire, a support for the members, and means to removably secure the members in their assembled relation to the support.

2,584,298
ANTISTALL MECHANISM FOR AIRPLANES

James I. Seay, Jr., Memphis, Tenn.

Application September 23, 1947, Serial No. 775,582
3 Claims. (Cl. 244—78)



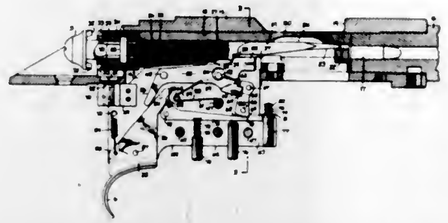
1. In an airplane having wings, elevator means depressible to cause said plane to dive, manual means for operating said elevator means, antistall means carried by said plane, including control means responsive to air flow, carried by at least one of said wings, and elevator depressing means responsive to said control means; said depressing means including a cylinder, a piston therein having a protruding rod extending toward actuating contact with, but not coupled to said elevator operating means, a source of hydraulic pressure, a feed pipe connecting said source and said cylinder, said pipe including a normally closed cut off valve, a drain pipe leading from said cylinder and including a normally open drain valve, linkage coupling said valves and compelling concurrent action thereof, means operatively responsive to said control means, including a spring and an oppositely acting solenoid coupled to said linkage, a source of electric energy and circuits, each circuit including circuit completing contacts, one of said contacts in each circuit being carried by said control means whereby to interconnect said energy source and said solenoid, for opening said cut off valve and closing said drain valve on decrease of said air flow below a plane supporting speed and advancing said piston rod into elevator-depressing-contact with said elevator operating means, and for closing said pressure valve and opening said drain valve to release said depressing action, on re-establishing of said air flow.

2,584,299
FIRE-CONTROL MECHANISM FOR FIREARMS

Harry H. Sefried, II, New Haven, Conn., assignor to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware

Application July 15, 1948, Serial No. 38,817
7 Claims. (Cl. 42—69)

1. Trigger mechanism for bolt-action firearms, including in combination: a spring-pressed firing-member having a substantially-vertical forwardly-facing cocking-shoulder; a sear; sear-pivotal means located below and normally rearwardly of the said cocking-shoulder of said firing-plunger; a rearwardly-facing substantially-vertical sear-shoulder forwardly of said pivotal means; a trigger; lever mechanism interposed between said trigger and sear and movable independently thereof normally to hold the said rearwardly-facing sear-shoulder in cooperative engagement with the forwardly-facing cocking-shoulder of said firing-plunger against the force of its compressed spring and to release said sear-shoulder from engagement with the cocking-



shoulder of said firing-plunger when said trigger is operated to discharge said firearm; and a sear-finger projecting rearwardly of the pivotal-means of said sear and arranged in juxtaposition to said trigger whereby displacement of said trigger in an abnormal direction of movement lowers the forward end of said sear to facilitate disassembly of the bolt from said firearm.

2,584,300
LIQUID BINDER

Charles Donald Simmers, Hopatcong, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

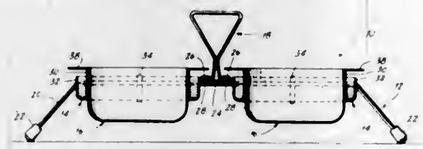
No Drawing. Application December 9, 1948, Serial No. 64,439
2 Claims. (Cl. 106—123)

1. A liquid binder which is curable by heat and oxidation consisting essentially of alkane polyol esters of tall oil carboxylic acids, modified by added drying oil and a higher melting point asphalt, and 0.5–1% of a drier.

2,584,301
MOATED DOG FEEDER

Melroy Sinclair, Richmond Heights, Mo., assignor to Sinclair Industries, Inc., St. Louis, Mo., a corporation of Missouri

Application November 21, 1949, Serial No. 128,519
5 Claims. (Cl. 119—61)



1. In a feeding device of the kind described, in combination, a collapsible support including two spaced pairs of legs, a cross member pivotally connecting said pairs of legs and maintaining them in spaced relation, a moat member of J-cross section removably mounted on said support in position above a plane through the free ends of the legs and maintaining said support in supporting relation, and a food container removably supported on said moat member interiorly thereof out of contact both with said supporting legs and with the surface on which said device rests so that the food container is protected from crawling insects when water or the like is placed in the moat member.

2,584,302
ELECTRIC HEATING DEVICE

Shachno Stein, Brooklyn, N. Y.

Application April 6, 1950, Serial No. 154,227
1 Claim. (Cl. 219—46)

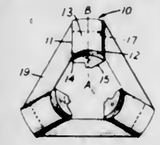


In an article of the class described having an electrically heated pad for engagement against a portion of the human body to be heat treated, a heat retaining pad positioned against the inner face of the heated pad, fastener elements mounted on the inner face of the heated pad, and complementary fastener elements mounted on the outer face of said heat retaining pad and engaged with said first-mentioned fastener elements removably securing said heat retaining pad to the heated pad, so constructed and arranged that said heat retaining pad can be completely removed to have the heated pad engaged flat against the body, said heat retaining pad comprising an envelope of waterproof material having a plurality of waterproof compartments, and a quantity of water sealed in each of said compartments.

2,584,303
TOGGLE-ACTING COLLET AND METHOD OF MAKING SAME

Arthur Merrick Stoner, West Hartford, Conn., assignor to The Jacobs Manufacturing Company, Hartford, Conn., a corporation of Connecticut

Application December 31, 1947, Serial No. 794,893
5 Claims. (Cl. 279—46)



5. The herein disclosed method of making a collet, which consists of forming a flat side on a like portion of each of a cooperating set of gripping members, maintaining at least three of such gripping members thus formed in radially disposed angularly spaced positions about a common axis, with said flat sides lying in planes spaced at the same predetermined fixed distance from and parallel with planes passing through said axis and through like parts of said members, and forming gripping surfaces on the parts of said members through which said axial planes pass, by removing parts of the inner portions of the members which are equi-distant from the common axis, thereby forming edges parallel with said common axis on lines at the intersections of said gripping surfaces and said flat surfaces which are equally distant from their respective axial planes, regardless of the amount of the parts of the inner portions thus removed.

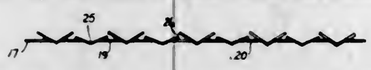
2,584,304
MOISTURE ELIMINATOR FOR BEEHIVES

Merritt I. Taylor, Richmond, Va.

Application January 27, 1947, Serial No. 724,535
9 Claims. (Cl. 6—1)

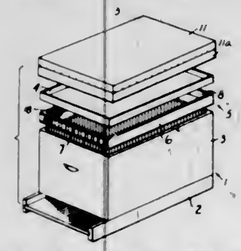
1. The combination with a bee hive having closed side walls and a top adapted to fit about and be supported by said walls, of a moisture eliminator, comprising a frame having two sides

adapted to rest on respective ones of said side walls and, in turn, to support said top, and a plurality of parallel shallow troughs having side edges and also having ends secured to said two sides of said frame, respectively, and extending therebetween, said troughs having their adjacent parallel side edges overlapping and vertically spaced by not more than three-sixteenth inch



to form a trap for moisture dropping from said top, said edges being spaced by not more than three-sixteenth inch from the under surface of said top when the latter is in position on said hive at least one side of said frame being so constructed and arranged as to form a continuation of each trough, whereby moisture in said troughs is conveyed to the outside of the hive.

2,584,305
TEMPERATURE RESPONSIVE VENTILATOR FOR BEEHIVES
Merritt I. Taylor, Richmond, Va.
Application April 25, 1947, Serial No. 743,766
16 Claims. (Cl. 6—1)



1. A ventilator for a beehive having closed side walls generally rectangular in shape, said ventilator comprising a rectangular frame adapted to rest on and be supported by the upper edges of said side walls, at least one side of said frame having a plurality of spaced apertures extending transversely therethrough, a slide, means mounting said slide for horizontal movement on and along said one side, said slide having apertures adapted in a first position, to align with the respective apertures of said side and in a second position to close the apertures in said side, thermostatic means fixedly mounted on said frame and responsive to ambient atmospheric temperature and an operating connection between said slide and thermostatic means to move said slide between said first and second positions in response to a predetermined change of ambient temperature.

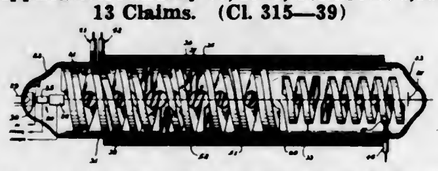
2,584,306
POLYMERIZATION OF ETHYLENICALLY UNSATURATED COMPOUNDS
Clement W. Theobald, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 1, 1950, Serial No. 141,843
10 Claims. (Cl. 260—88.7)

1. A process for the polymerization of a polymerizable monomer composition the polymerizable components of which have but one non-aromatic ethylenic carbon carbon double bond and subject to addition polymerization which comprises bringing the monomer in contact with an organic diazosulfone having the azo group directly attached to the sulfone group.

2,584,307
METHOD OF PREPARING SOLUTIONS OF GELATIN IN POLYHYDRIC ALCOHOLS
Linwood F. Tice, Salem, N. J., assignor to Gelatin Research Society of America, Inc., New York, N. Y.
No Drawing. Original application May 3, 1949, Serial No. 91,233. Divided and this application November 24, 1950, Serial No. 197,507
5 Claims. (Cl. 167—82)

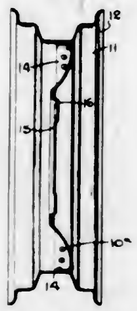
1. An improved method of preparing solutions of gelatin in polyhydric alcohols comprising chilling granulated gelatin and a polyhydric alcohol to about 0° C., adding the gelatin to the polyhydric alcohol, allowing the mixture to stand at a temperature in the range of −5° C. to 5° C. until the gelatin is thoroughly wetted with the alcohol, subsequently heating the mixture at approximately 80–100° C. until a clear, homogeneous liquid is obtained and thereafter cooling the liquid until a solid mass is obtained.

2,584,308
ELECTRONIC TUBE OF THE TRAVELING WAVE TYPE
John W. Tiley, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application January 28, 1948, Serial No. 4,849
13 Claims. (Cl. 315—39)



13. An electron tube having a cathode for generating an electron beam along an axial path of said tube, a collector electrode for said electron beam, a plurality of input interwound coaxial helical metallic wave guides mounted in one end of said tube, an output coaxial helical wave guide positioned in said tube between said interwound input wave guides and collector electrode, coupling means for introducing electromagnetic wave energy at the desired frequencies into each of said plurality of input wave guides, and means for extracting signal energy from the output helical wave guide.

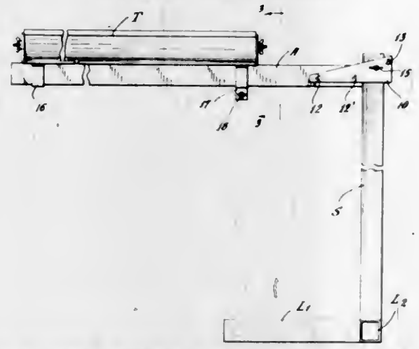
2,584,309
PRESSED METAL VEHICLE WHEEL
Daniel W. Voorhees, Quincy, Ill.
Original application December 11, 1947, Serial No. 790,957. Divided and this application December 7, 1948, Serial No. 63,885
3 Claims. (Cl. 301—63)



3. A metal vehicle wheel having, in combination, an annular rim, an elongated one-piece body

fixed in said rim, said body having arcuate ends and free side edges, the maximum length of said body being substantially equal to the inside diameter of said rim and the width being not less than 80% nor more than 89% of the length, a pair of arcuate flanges formed at each end of said body for engagement with the internal surface of said rim, said flanges extending around not less than 59% nor more than 70% of the internal circumference of said rim.

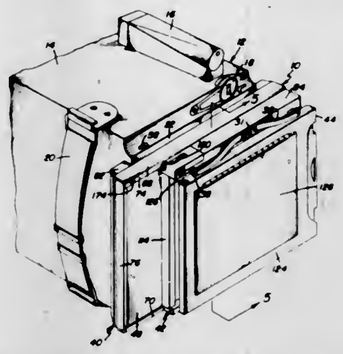
2,584,310
ADJUSTABLE ARM SUPPORT MEANS
Marvin Weinberg, New York, N. Y.
Application February 10, 1948, Serial No. 7,361
1 Claim. (Cl. 248—12)



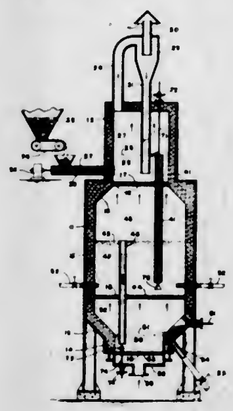
An adjustable arm support means for an arm horizontally supported on a vertically sustained standard of square cross-section, said support means comprising an arm end having a square cross-section substantially identical to that of the said standard, substantially rectangular side extensions on said arm end extending in the direction of the arm end axis, each said arm extension having an inner plane surface aligned with the outer plane surface of said arm providing a space gap therebetween approximating the width of one side of the square-sectioned standard and a length beyond the arm end substantially greater than the width of one side of the square-sectioned standard providing a recess therebetween for receiving the standard therebetween, the remote end of said arm extensions having a width substantially greater than the width of one side of the square-sectioned standard, and a square-sectioned cross-bar secured in bridging position between the two said side arms with the ends thereof abutting against the inner plane faces thereof at a point locating one side face of the cross-bar in spaced relation to the butt end at a distance approximating the width of one side of the square-sectioned standard and in parallelism with the outer face of the said standard opposite to that adjacent the butt end of the square sectioned arm end with the center axis of said cross-bar disposed in a horizontal plane substantially above the horizontal plane of the upper surface of the said arm end.

2,584,311
SLIDING BACK FOR PRESS TYPE CAMERAS
William M. Wells, II, Columbia, S. C.
Application May 9, 1950, Serial No. 160,833
2 Claims. (Cl. 95—37)

1. A multiplying back for cameras comprising a support plate having an aperture therein, a pair of L-shaped guide members each having a first leg thereof secured to opposite edges of said support plate, the second leg of said guide members lying parallel to the face of said support plate, a carriage plate slidably received between said support plate and said second leg of said guide members, a carriage body secured to said carriage plate for movement therewith, a shoe carried by each end wall of said carriage body, means yieldingly biasing said shoes into light sealing engagement with said support plate, the side walls of said carriage body being longitudinally recessed, said second leg of said guide members being received in said recess, the side walls of said carriage body having a transverse bore therein intersecting said recess, said second leg of said guide member having an aperture therein, a pin in said bore selectively movable into said aperture to lock said carriage body in predetermined longitudinally adjusted positions, the side wall of said carriage body having a slot therein transverse said lock pin bore, said locking pin having a groove therein, and a spring disposed in said slot and extending into said groove yieldingly urging said pin towards said carriage plate.



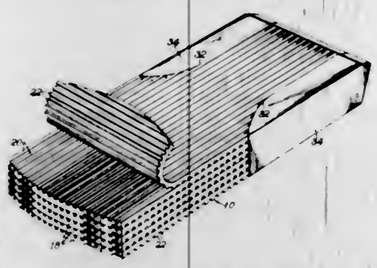
2,584,312
REACTOR FURNACE
Frank S. White, Westport, Conn.
Application April 8, 1947, Serial No. 740,151
2 Claims. (Cl. 263—21)



1. The continuous process of reacting finely divided solids with gases at their reaction temperature, which comprises maintaining a bed of such solids in an enclosed chamber; fluidizing solids of the bed into a state of turbulent mobility whereby the solids thereof act like a fluid by passing a stream of oxygen-bearing gas upris-

ingly and dispersingly through the bed at solids-fluidizing velocity from a place beneath the bed; feeding solids to the bed; discharging treated solids from the bed; initially and independently supplying fuel to the gas stream while uprising at such velocity; preliminarily and temporarily burning such fuel in the gas stream long enough so that heat liberated by such combustion heats solids of the bed to fuel-ignition temperature; while such solids are so heated separately supplying pumped fuel directly onto the solids in the bed at an elevation above the bottom thereof and different from that of the preliminary independent burning; and terminating the supply of fuel to the place of the preliminary burning as well as its burning there; and thereafter while so directly provided with pumpable fuel maintaining combustion within the bed and the fluidizing gas therein at a temperature significantly less than the theoretical flame temperature of the corresponding fuel and gas if such were free to burn in a region devoid of loading solids undergoing heat treatment.

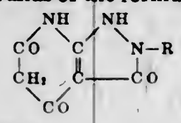
2,584,313
PAD BOX
Charles K. Woodman, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 13, 1949, Serial No. 87,227
2 Claims. (Cl. 12—38)



1. In a pad for use in applying pressure to shoe bottoms, a plurality of substantially rectangular superposed rubber sheets the opposite faces of each of which are provided with spaced ribs, the ribs on one face extending at right angles to the ribs on the other face of each sheet and at right angles to the contiguous ribs of the adjacent sheet, that portion of the pad which is to underlie the shank of the shoe being operated upon being provided with vertical recesses at the opposite sides of the pad, and solid rubber blocks filling said recesses.

2,584,314
PYRAZOLOPYRIDINES
Dennis Arthur William Adams and George Fawthrop, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 31, 1950, Serial No. 176,910. In Great Britain August 12, 1949
8 Claims. (Cl. 260—296)

1. New compounds of the formula:



wherein R is phenyl.

2,584,315
POLYESTER COPOLYMERS
Robert J. Agnew, Pawling, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 20, 1948, Serial No. 28,279
1 Claim. (Cl. 260—45.4)

A copolymer formed by the copolymerization of about 30 weight per cent of the diallyl ester of 4-chloro, 1,2,3,6-tetrahydrophthalic acid and about 70 weight per cent of an unsaturated polyester formed by esterification of ethylene glycol with an equimolecular mixture of maleic anhydride and phthalic anhydride.

2,584,316
COPOLYMERS OF DIALLYL ENDOMETHYLENE TETRAHYDROPHTHALATE AND AN UNSATURATED MIXED POLYESTER
Robert J. Agnew, Pawling, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application December 29, 1948, Serial No. 68,082
1 Claim. (Cl. 260—45.4)

A copolymer formed by the copolymerization of 30 weight per cent diallyl endomethylene tetrahydrophthalate and 70 weight per cent of an unsaturated polyester formed by esterification of ethylene glycol with an equimolecular mixture of maleic anhydride and phthalic anhydride.

2,584,317
METHOD OF PRODUCING BIMETALLIC PRINTING FORMS
Claës Børge Aller, Copenhagen, Denmark
Application December 29, 1947, Serial No. 794,257
In Denmark September 9, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires September 9, 1966
2 Claims. (Cl. 204—17)

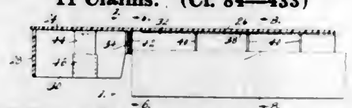


1. Method of producing a planographic printing form with bimetallic surface comprising the steps of: depositing galvanically on to a base of stainless steel a thin continuous layer of copper, applying to this galvanically deposited layer an image forming coating covering such parts of the layer subsequently to be removed, galvanically depositing on uncovered parts of the copper layer a thin layer of iron, removing the image forming coating, removing uncovered copper down to the base layer by means of chromic acid and removing the iron layer by dilute sulphuric acid.

2,584,318
MARKING MEMBER CONTAINING MAGNETIZED MATERIAL
Charles S. Allyn, Jr., Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
No Drawing. Application July 22, 1949, Serial No. 106,316
1 Claim. (Cl. 106—19)

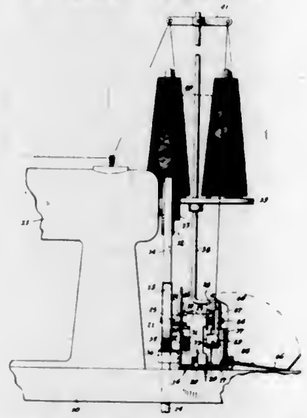
A marking member comprising an erodable base material having dispersed therein a sufficient quantity of fine particles of permanently magnetized material so that with each mark made with the member, a sensible amount of magnetized material is transferred therewith, said magnetized material resulting from magnetizing magnetizable material while dispersed in the base material.

2,584,319
KEY FOR MUSICAL INSTRUMENTS
William G. Appel, Chicago, Ill.
Application July 29, 1948, Serial No. 41,306
11 Claims. (Cl. 84—433)



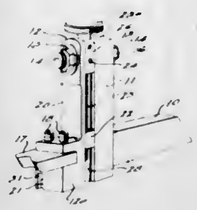
1. A full-note key for the manual of a musical instrument comprising a channel member made of plastic material and closed at its forward end but open at its rear end, said channel member having a relatively wide forward bottom portion defining a finger plate together with a relatively narrow rear bottom portion adapted to extend between the half-note keys of said manual, a transverse partition wall adapted to be aligned with the forward ends of said half-note keys and forming a forward closure for the relatively narrow rear portion of said channel, and a wood-bar having one end portion seated in said rear portion in abutment against said partition and projecting through the open rear end of said member, the side walls of said channel member rearwardly of said partition wall being formed with spaced vertical beads extending short of the free edges of said side walls and biting into said bar while defining glue spaces between said bar and said side walls.

2,584,320
BOBBIN WINDER
James Armenti, Maplewood, N. J.
Application October 6, 1947, Serial No. 778,060
2 Claims. (Cl. 242—22)



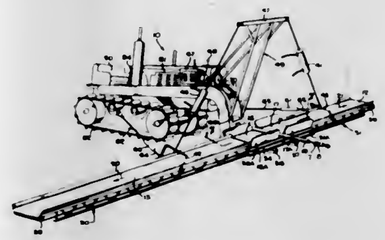
1. A bobbin-winding mechanism comprising a rotatable wheel, shaft and mandrel rotatable as a unit, said mandrel adapted to mount a bobbin thereon to be wound, a support for said shaft, said support being hinged for oscillatory movement, a toggle attached to and for releasably holding said support at one end of its oscillatory movement, means for operating said toggle, and a housing carrying said mechanism, said mandrel, shaft support, toggle and toggle operating means being within and protected by said housing.

2,584,321
FORMING TOOL
Louis J. Auer, Berkley, Mich.
Application January 11, 1947, Serial No. 721,525
3 Claims. (Cl. 29—97.5)



1. A forming tool comprising a resilient arch having parallel bars, a shank on one of said bars for securing the tool in a machine, the other bar of said arch having its free end adapted to carry a forming cutter, a support piece slidable between said bars longitudinally thereof, and screw means for adjustably moving said support piece along said bars for adjustably varying the spring rate of said cutter-carrying bar.

2,584,322
MECHANIZED SEED DISTRIBUTOR
Henry J. Baldwin, Arthur N. Baldwin, and Tetsuo Mihara, Paia, Territory of Hawaii, assignors to Maui Pineapple Company, Ltd., Honolulu, Territory of Hawaii, a corporation of Hawaii
Application December 2, 1948, Serial No. 63,082
9 Claims. (Cl. 198—233)

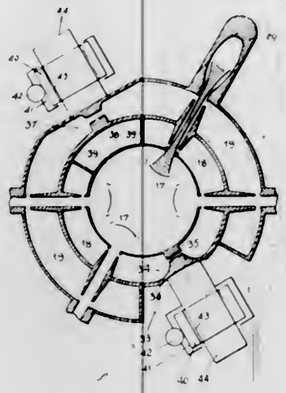


4. A material distributor comprising a vehicle having a material receiving chute disposed substantially on the longitudinal axis of said vehicle, adjustably positioned cantilever frame members extending substantially perpendicular from said longitudinal axis on opposite sides of said vehicle, means pivoting said frame members on said vehicle below said chute, each of said frame members carrying oppositely moving material conveyor belts to distribute said material laterally from said vehicle, the inner ends of said conveyor belts being disposed below said chute, means driving said belts with the material carrying surfaces thereof moving outwardly from said longitudinal axis, the length of one of said belts on one side of said longitudinal axis being substantially twice the length of the other one of said belts on the opposite side of said longitudinal axis whereby the discharge end of said other belt is located one-half the distance which said one belt extends for servicing different areas when the vehicle travels along and retraces the same path.

2,584,323
MULTICELLULAR VELOCITY-MODULATED TUBE

René Berterottiere, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France

Application May 10, 1949, Serial No. 92,374
In France May 20, 1948
3 Claims. (Cl. 315—6)

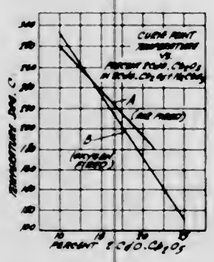


1. A velocity modulation tube having a plurality of cells each comprising a cathode, an anode, a first cavity resonator and a second cavity resonator, the first cavity resonator of each cell communicating with the first cavity resonator of each of the other cells and with a first adjustment cavity resonator having at least one deformable wall, the second cavity resonator of each cell communicating with the second cavity resonator of each of the other cells and with a second adjustment cavity resonator having at least one deformable wall, and mechanical means connected to said adjustment cavity resonators for deforming the walls of said adjustment cavity resonators.

2,584,324
CERAMIC DIELECTRIC MATERIALS AND METHOD OF MAKING

Samuel Bousky, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware

Application December 30, 1950, Serial No. 203,605
15 Claims. (Cl. 106—39)



1. A vitreous ceramic body comprising a substantially homogeneous combination of an alkali metal columbate and another columbate from the class consisting of zinc and cadmium columbates.

2,584,325
PURIFICATION OF ALCOHOLS

Bertram E. V. Bowen and John Howlett, Tonbridge, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company

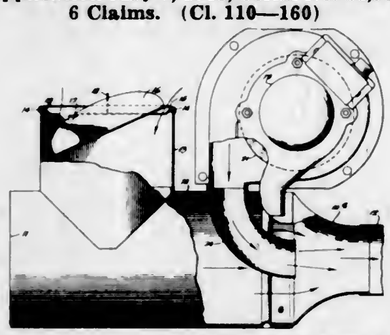
No Drawing. Application August 7, 1948, Serial No. 43,156. In Great Britain August 25, 1947
9 Claims. (Cl. 260—643)

1. In a process for the purification of a lower aliphatic alcohol prepared by the treatment of the corresponding olefine with sulfuric acid, the step for improving the odour of the alcohol which comprises contacting substantially neutral malodorous alcohol with solid cuprous oxide.

2,584,326
STACK DRAFT BOOSTER AND CONTROL DEVICE FOR COMBUSTION APPARATUS

Shirley P. Campbell, Wichita, Kans., assignor to The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas

Application May 4, 1948, Serial No. 24,940
6 Claims. (Cl. 110—160)



1. In apparatus for drafting hot gases from a combustion chamber, a conduit casing having one end adapted to be connected for communication with the combustion chamber and the other end adapted to be connected to a chimney, said casing having an air intake on one side, a pressure-responsive regulator valve controlling the intake opening and responsive to the pressure of the air passing inwardly through said opening to open as such pressure increases, and a power-driven blower having a discharge pipe extending into said casing between the air intake and the end of the casing adapted to be connected to the chimney and with its open end facing said end of the casing.

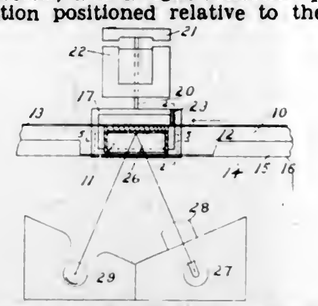
2,584,327
SORTING APPARATUS

Eugene J. Capstack and Eugene H. C. Brown, Louisville, Ky., assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky., a corporation of Indiana

Application October 31, 1945, Serial No. 625,722
7 Claims. (Cl. 209—111)

7. An apparatus for sorting defective non-reflecting articles from articles having a light reflecting surface which comprises: means for advancing said articles in procession; an inspection station along the path of movement of said articles having a non-reflecting portion adapted to be covered by an article at said station; article ejecting means adjacent said station; means to direct a beam of light on said station; photoelectric means in the path of reflected light from articles at said station; means actuated by said photoelectric means upon diminution of reflected light thereto to actuate the ejecting means to eject a

defective article and arrest the next adjacent article to the station while a defective article is being ejected; and a light reflection portion at said station positioned relative to the non-re-

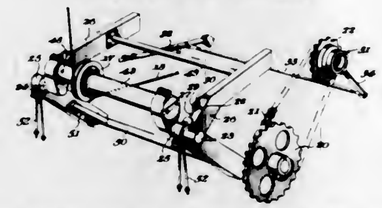


flecting portion in the direction of ejecting movement of said article to reflect light to the light sensitive means to return the rejecting and arresting means to normal position.

2,584,328
SPUDDER ATTACHMENT

Harland W. Cardwell, Gerald G. Brown, and Edward V. Hobbs, Wichita, Kans., assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans.

Application September 14, 1948, Serial No. 49,264
2 Claims. (Cl. 74—600)



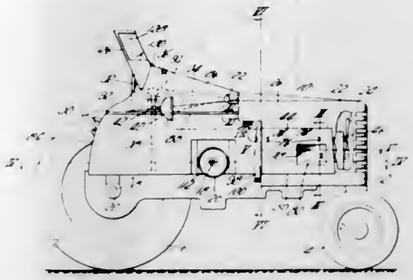
1. In a spudding attachment for well drilling apparatus, a frame, a pair of axially spaced and aligned stub shafts journalled on said frame, crank arms on adjacent ends of said stub shafts, an elongated crank pin extending between the ends of said crank arms, means for rotating said stub shafts continuously in one direction, each of said crank arms having a cylindrical bore therethrough parallel to the axis of said stub shafts, a cylinder rotatably mounted in each of said bores, each of said cylinders being of a length substantially equal to the length of said bores, the ends of said crank pin being eccentrically attached to said cylinders whereby to change the throw of said crank pin upon rotation of said cylinders in said bores, diametrically extending bars removably attached to the outermost end faces of said cylinders and projecting radially therebeyond in overlapping relation to portions of said crank arms, the said portions of said crank arms being provided with fixed abutments adjacent opposite sides of said bars whereby to lock said cylinders against rotation in said bores.

2,584,329
HOT-AIR DEFLECTOR FOR TRACTORS

Clyde E. Clapper, Kansas City, Mo.

Application April 24, 1947, Serial No. 743,606
2 Claims. (Cl. 180—54)

2. The combination with a conventional tractor, including an open frame carrying an engine provided with a ventilating fan, a seat structure carried by said frame to the rear of said engine, and a frame superstructure positioned in spaced relation above said engine and in front of said seat, of a deflector hood having an open rearward end, said end being attached to said frame adjacent said seat structure and a forward end of said hood being attached to said frame and to the rearward end of said frame superstructure, and two deflector panels adapted to be attached to said frame to close the space between said frame and said frame superstructure, said

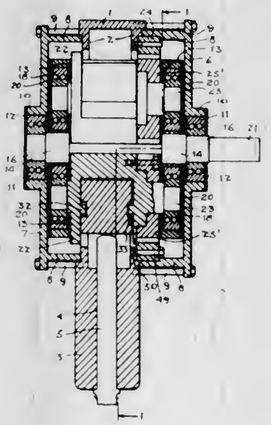


panels being interlocked with said deflector hood to form in conjunction therewith and with said frame a continuous tunnel extending from the front to the rear of said tractor through which air heated by said engine is conducted to the zone of said seat structure, said deflector hood and panels having inwardly turned flanges along their lower edges, said flanges conforming closely to the contour of said engine and said frame to form a floor for said tunnel.

2,584,330
PERCUSSION ROCK DRILL

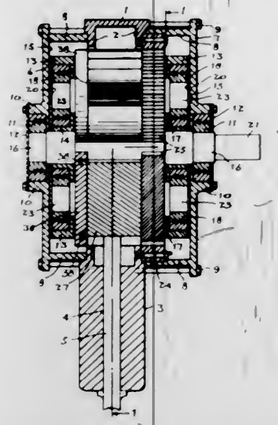
Ernest Craig, Lakefield, Ontario, Canada

Application June 2, 1950, Serial No. 165,635
5 Claims. (Cl. 125—33)



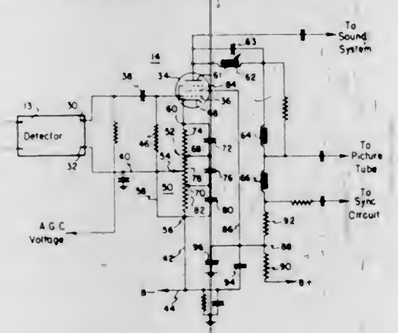
1. In a percussion drill, a casing, an internally toothed gear ring mounted within said casing, a cage revolvable about the centre of said gear and having a gear substantially one-half the diameter of said ring gear meshing with said ring gear, means for revolving said cage about the centre of said ring gear, a tappet reciprocally arranged to project within said casing, and a hammer carried by and movable relative to said cage, the timing of said gears being arranged to bring said hammer against said tappet member while moving with substantially linear motion in a direction aligned with said tappet.

2,584,331
ROTARY PERCUSSION DRILL
Ernest Craig, Lakefield, Ontario, Canada
Application November 17, 1950, Serial No. 196,318
6 Claims. (Cl. 125—33)



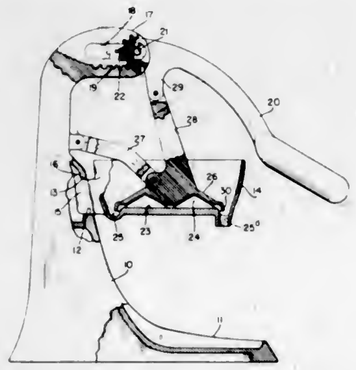
1. In a rotary percussion drill, a rotor, a rotating cage eccentrically mounted on said rotor, a hammer slidably mounted in said cage, a steel adapted to be projected into the path of said hammer under revolution of said cage and rotor to permit said hammer to strike said steel, and centrifugally operated means locking said hammer against movement in said cage immediately subsequent striking said steel and freeing said hammer during impact with said steel to lift following striking of said steel.

2,584,332
VIDEO AMPLIFIER HAVING VARIABLE GAIN AND VARIABLE BAND WIDTH
Robert M. Crooker and Garth J. Heisig, Chicago, Ill., assignors to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application August 19, 1949, Serial No. 111,306
5 Claims. (Cl. 179—171)



1. In a television receiver having a plate voltage supply source with positive and negative terminals, a video amplifier comprising an amplifier tube with a plate, a cathode and a grid, video load means connecting said plate to the positive terminal of the voltage supply source, a contrast control including resistance means having one end thereof connected to said cathode and the other end thereof connected to the negative terminal of the voltage supply source, a movable contact in said contrast control cooperating with said resistance means, signal input means having one terminal thereof coupled to said grid and another terminal thereof coupled to said movable contact, said resistance means including a plurality of series-connected sections, and a plurality of capacitance means individually coupled across said resistance sections to improve the response of the video amplifier to high-frequency components of the video signal while having substantially no effect upon the response of the amplifier to lower-frequency components, whereby movement of said movable contact varies the amount of negative feedback produced by said resistance means and the frequency characteristics thereof to control both the gain and the effective bandwidth of the video amplifier.

2,584,333
FRUIT PRESS
André Crot, North Hollywood, Calif.
Application December 17, 1946, Serial No. 716,844
7 Claims. (Cl. 100—45)

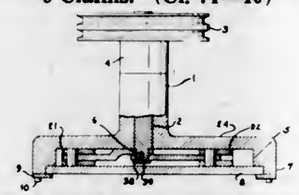


6. A fruit juicer of the type described comprising a standard, a bowl supported from said standard, said standard having a foot member and a head member overhanging the foot member, a substantially horizontal rack carried by said head member, a handle swingable between upper and lower limits, a pinion carried by the inner end of said handle and fixed against turning movement with respect thereto, said pinion meshing with said rack, means pivotally connecting the inner end of said handle to said head member so that as said handle is swung toward its lower limit said pinion will ride along said rack to move the inner end of said handle outwardly along said overhanging head member and as said handle is swung towards its upper limit said pinion will ride along said rack to move the inner end of said handle in the opposite direction, a compressing plunger which cooperates with said bowl, a rigid extension carried by said plunger, a rigid extension carried by said handle, means pivotally connecting the ends of said extensions, said extensions providing a toggle linkage and being so related that as said handle approaches its lower limit they approach aligned positions in which maximum leverage is provided, and a link pivotally connected at one end to said standard and pivotally connected at its opposite end to said plunger, whereby as the handle is swung upwardly said plunger is tilted to provide ready access to said bowl.

2,584,334
DIPHENYL AND PHENYL ORTHOSILICATES
Ettore Da Fano, Raritan, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
No Drawing. Application June 10, 1950, Serial No. 167,496
3 Claims. (Cl. 260—448.8)

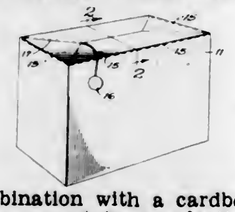
1. A composition having a high boiling point, low melting point and exceptional heat stability over long periods of time, consisting essentially of a mixture of phenyl orthosilicate, diphenyl orthosilicate and mixed phenyl diphenyl orthosilicates selected in such proportions within the range of 0.4 to 3.6 diphenyl radicals and 3.6 to 0.4 phenyl radicals for each silicate radical that the mixture has a viscosity adapting it for use as a heat transfer medium.

2,584,335
PARALLEL THRUST DRIVE
Hal W. Dahly, Chicago, Ill.
Application December 27, 1948, Serial No. 67,445
9 Claims. (Cl. 74—40)



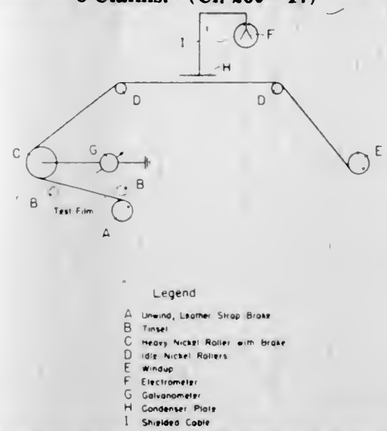
1. A punch press embodying a frame with an elongated vertical wall, a pair of spaced and similarly arranged bell cranks journaled to said wall, a drive shaft journaled in said frame and having a crank pin which protrudes through said wall, connecting rods linking said crank pin with said bell cranks, a punch driving head slidably gibbed to said frame, and means associating said bell cranks with said head in operating relation thereto, whereby said head is moved by force from said crank pin transmitted through said connecting rods to said bell cranks.

2,584,336
CONTAINER AND DRAW CORD COMBINATION
Raymond Eisenhardt, Ridgewood, N. J., and Jerome J. Gordon, Winnetka, Ill.
Application December 13, 1949, Serial No. 132,702
2 Claims. (Cl. 229—51)



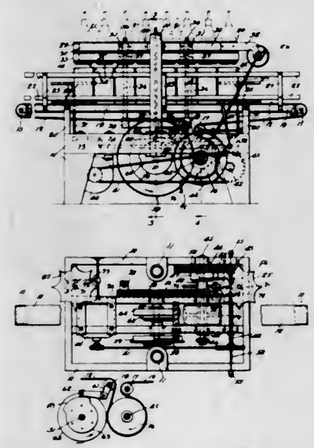
1. In combination with a cardboard wrapper united to form a container, a plastic cord secured within the container along a line of severance, and having one end of the cord extended outside the container to provide a draw-cord portion for grasping, said plastic being formed of a linkchain, synthetic polymeric amide which has recurring amide groups as an integral part of the main polymer chain, and which is capable of being formed into a filament in which the structural elements are oriented in the direction of the axis.

2,584,337
ANTISTATIC TREATING COMPOSITION FOR PHOTOGRAPHIC FILM SUPPORTS
Keith Famulener, Owego, and Herman Hoerlin, Binghamton, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application June 24, 1949, Serial No. 101,046
8 Claims. (Cl. 260—17)



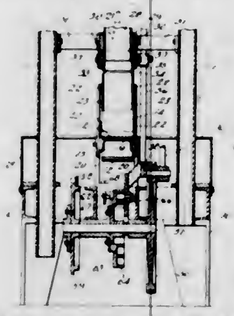
1. An anti-static cellulose acetate composition suitable for treating a film of a cellulose ester which comprises 5–15% solution of cellulose acetate in a solvent for said film and containing poly-(methylene salicylic acid) and calcium silicate dispersed in an aralkyl alcohol of the benzene series.

2,584,338
MACHINE WHICH FILLS GROUPS OF CONTAINERS, A GROUP AT A TIME, WITH CONVEYER WHICH STOPS DURING FILLING OPERATION
John L. Ferguson and Richard C. Talbot, Joliet, Ill., assignors to J. L. Ferguson Company, Joliet, Ill., a corporation of Illinois
Original application April 12, 1943, Serial No. 482,734. Divided and this application April 8, 1947, Serial No. 740,146
5 Claims. (Cl. 226—95)



1. A machine for filling containers with comminuted material comprising a supporting framework, a horizontal passageway formed in said

framework for the passage of containers therethrough, an endless flat surfaced conveyor belt in the machine with its upper flight forming the floor of said passageway and carrying the containers uprightly and in serial contact thereon through said passageway, container-filling mechanism in the machine over said passageway intermediate the ends thereof having provision for simultaneously filling a group of said containers, a continuously operated friction drive pulley in



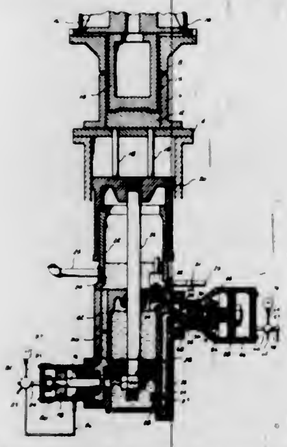
the base of the machine, the lower flight of said conveyor belt passing in a loop thereof substantially around said pulley to drive the belt, a belt-tightening and loosening idler pulley for the belt at said loop, and control mechanism for said idler pulley operating in timed relation with the filling mechanism to tighten or loosen the belt on said drive pulley and gradually to start and stop the belt in the filling position, the containers remaining stationary on the stopped belt while the group is being filled at the filling position.

2,584,339

HYDROPNEUMATIC LOCKING CUSHION FOR POWER PRESSES

Vasil Georgeff, Chicago, Ill., assignor to Danly Machine Specialties, Inc., Chicago, Ill., a corporation of Illinois

Application April 6, 1949, Serial No. 85,744
10 Claims. (Cl. 267—1)



1. A die cushion for power presses including in combination a first cylinder, a second cylinder, a piston coacting with the first cylinder, a piston in the second cylinder, means connecting said pistons in tandem, the first of the cylinders containing a quantity of hydraulic fluid below the piston partially filling the cylinder, the other of said cylinders containing hydraulic fluid positioned both above and below the piston, communication means between the first cylinder below its piston and the second cylinder above its piston, a check valve positioned to permit the flow of hydraulic fluid from the first cylinder to the second cylinder through said communicating means, a second communication means between the second cylinder below its piston and the first cylinder, intra-communication means between the upper portion of the second cylinder above its piston and the lower portion of the second cylinder below its piston, and controlling means for said intra-communicating means.

2,584,340

REACTION OF ORGANOSILANE WITH GLYCERINE-DICARBOXYLIC ACID ESTER AND DICARBOXYLIC ACID

John T. Goodwin, Jr., and Melvin J. Hunter, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application January 7, 1950, Serial No. 137,471
1 Claim. (Cl. 260—45.4)

The method of preparing resinous compositions which comprises reacting a silane of the formula R_nSiX_{4-n}, in which R is selected from the group consisting of saturated aliphatic radicals of less than seven carbon atoms and monocyclic aryl radicals, X is selected from the group consisting of alkoxy, acyloxy, and chlorine said acyloxy group being of the formula RCOO—, where R is a hydrocarbon radical, and n has a value from 0.9 to 2.1, with a glycerine ester formed by reacting glycerine with an acidic compound selected from the group consisting of dicarboxylic acids and anhydrides thereof in amount such that the ratio of glycerine OH to acid groups is from 2.25:1 to 3:1, said glycerine ester being employed in amount such that the ratio of silane X radicals to glycerine OH in excess of carboxyl radicals is from 0.1:1 to .53:1 and thereafter reacting the product thereby obtained with an acidic compound selected from the group consisting of dicarboxylic acids and anhydrides thereof in amount such that the ratio of the sum of the total dicarboxylic acid carboxyl radicals plus silane X radicals to glycerine OH radicals is from 1:0.9 to 1:1.2.

2,584,341

PROCESS OF REACTING AN ORGANOSILANE, GLYCERINE, AND GLYCERINE-DICARBOXYLIC ACID ESTER

John T. Goodwin, Jr., and Melvin J. Hunter, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application January 7, 1950, Serial No. 137,472
3 Claims. (Cl. 260—45.4)

1. The method of preparing thermosetting resinous materials which comprises reacting a silane of the formula R_nSiX_{4-n}, where R is a monovalent hydrocarbon radical selected from the group consisting of saturated aliphatic radicals of less than seven carbon atoms and monocyclic aryl radicals, X is selected from the group consisting of alkoxy, acyloxy and chlorine, said acyloxy radicals being of the formula RCOO—, where R is a hydrocarbon radical, and n has a value from 0.9 to 2.1, with glycerine in amount such that the ratio of silane X radicals to glycerine OH is from 0.25:1 to 0.9:1 and then reacting the silane-glycerine ester so obtained with an alcohol-soluble acid ester formed by reacting glycerine with an acidic compound selected from the group consisting of dicarboxylic acids and anhydrides thereof, the glycerine and acidic compound being reacted in amount such that the molar ratio of acidic compound to glycerine is from 1.33:1 to 2:1, said silane-glycerine ester and said acid ester being reacted in amount such that the ratio of total glycerine OH to the total dicarboxylic acid carboxyl groups is from 1.25:1 to 2.8:1.

2,584,342

REACTING SILOXANE-GLYCERINE ESTER WITH ACID ESTER OF DICARBOXYLIC ACID AND GLYCERINE

John T. Goodwin, Jr., and Melvin J. Hunter, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application January 7, 1950, Serial No. 137,473
2 Claims. (Cl. 260—45.4)

1. A method of preparing a resinous composition of matter which comprises reacting a polysiloxane containing from 0.9 to 2.1 silicon bonded monovalent hydrocarbon radicals per silicon atom, said radicals being selected from the group consisting of saturated aliphatic radicals of less than seven carbon atoms and monocyclic aryl radicals and said siloxane containing from .05 to 2 silicon bonded siloxane functional groups per silicon atom, said functional groups being selected from the group consisting of alkoxy and acyloxy radicals, said acyloxy radicals being of the formula RCOO— where R is a hydrocarbon radical, the remainder of the valences of the silicon being satisfied by oxygen atoms, with glycerine in amount such that the ratio of silicon bonded siloxane functional groups to OH is from 0.1:1 to 0.66:1, and thereafter reacting the siloxane-glycerine ester so formed with an acid ester formed by reacting an acidic compound selected from the group consisting of dicarboxylic acids and anhydrides thereof, with glycerine in amount such that the ratio of dicarboxylic acid groups to glycerine OH is from 2.66:3 to 4:3, said siloxane-glycerine ester and said acid ester being reacted in amount such that the ratio of the total glycerine hydroxyls to the sum of the silicon bonded siloxane functional groups plus the dicarboxylic acid groups is from 0.9:1 to 1.2:1.

2,584,343

REACTING POLYSILOXANE WITH GLYCERINE AND THEREAFTER WITH DICARBOXYLIC ACID AND PRODUCT

John T. Goodwin, Jr., and Melvin J. Hunter, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application January 7, 1950, Serial No. 137,474
3 Claims. (Cl. 260—45.4)

1. A method of preparing resinous materials which comprises reacting a polysiloxane containing from 0.9 to 2.1 silicon-bonded monovalent hydrocarbon radicals per silicon atom, said radicals being selected from the group consisting of saturated aliphatic radicals of less than seven carbon atoms and monovalent aryl radicals, and from .05 to 2 silicon-bonded siloxane functional groups per silicon atom, said groups being selected from the group consisting of alkoxy and acyloxy radicals, said acyloxy radicals being of the formula RC00— where R is a hydrocarbon radical, the remainder of the valences of the silicon being satisfied by oxygen atoms, with glycerine in amount such that the ratio of silicon bonded siloxane functional groups to glycerine OH is from 0.1 to 1 and thereafter reacting the siloxane-glycerine ester thus formed with an acidic compound selected from the group consisting of dicarboxylic acids and anyhdrides thereof in amount such that the ratio of dicarboxylic acid groups to the sum of the total introduced silicon-bonded siloxane functional groups plus hydroxyl groups is from .08 to .75.

2,584,344

REACTING SILOXANE WITH GLYCERINE-DICARBOXYLIC ACID ESTER AND THEREAFTER WITH DICARBOXYLIC ACID

John T. Goodwin, Jr., and Melvin J. Hunter, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application January 7, 1950, Serial No. 137,475
2 Claims. (Cl. 260—45.4)

1. A method of preparing thermosetting resinous materials which comprises reacting a polysiloxane containing from 0.9 to 2.1 silicon-bonded monovalent hydrocarbon radicals per silicon atom, said radicals being selected from the group consisting of saturated aliphatic radicals of less than seven carbon atoms and monocyclic aryl radicals and from .05 to 2 silicon-bonded siloxane functional groups per silicon atom, said groups being selected from the group consisting of alkoxy and acyloxy radicals, said acyloxy radicals being of the formula RCOO— where R is a hydrocarbon radical, the remainder of the valences of the silicon being satisfied with oxygen atoms, with a glycerol ester formed by reacting glycerine with an acidic compound selected from the group consisting of dicarboxylic acids and anhydrides thereof in amount such that the ratio of glycerine OH to dicarboxylic acid groups is from 2.25:1 to 3:1, said polysiloxane and said glycerol ester being reacted in amount such that the ratio of silicon bonded siloxane functional groups to glycerine OH in excess of dicarboxylic acid groups is from 0.1:1 to 0.29:1, and thereafter reacting the siloxane-glycerine ester so formed with an additional amount of an acidic compound selected from the group consisting of dicarboxylic acids and anhydrides thereof in amount such that the ratio of glycerine OH to the sum of the silicon bonded siloxane functional groups plus the total dicarboxylic acid groups is from 0.9 to 1.2.

2,584,345

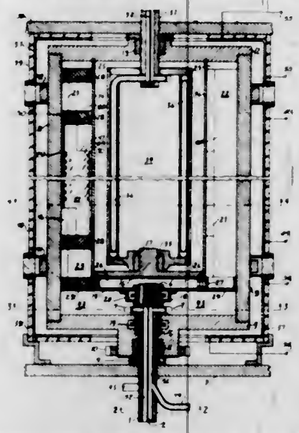
CONVECTION-COMPENSATING CENTRIFUGE

Charles F. Hall, Berkeley, Calif.

Application July 22, 1946, Serial No. 685,393
2 Claims. (Cl. 233—1)

1. In a centrifuge a cylindrical rotor, a central cooling system axially extending through the center of the rotor, end-length and mid-length heating units peripherially surrounding the rotor, said rotor having a plurality of flues axially extending therethrough for the circulation of fluid carrying separable constituents, a baffle segment circumferentially dividing each flue, each baffle segment having a multiplicity of closely spaced axially inclined perforations passing through a radially outer part of the baffle segment and a corresponding multiplicity of closely spaced axially inclined perforations passing through a radi-

ally inner part of the baffle segment, in each flue and on one side of the baffle segment within the flue a heat conductive segment in thermal contact with the radially outer heated wall of the rotor and thermally insulated from the radially inner cooled wall of the rotor and on the opposite side of the baffle segment within the flue a heat conductive segment in thermal contact with the radially inner cooled wall of the rotor and thermally insulated from the radially outer heated wall of the rotor, said heat conductive segments providing circumferential temperature gradients across each flue thereby producing convectional circulation of fluid through the axially inclined perforations and said perforations being



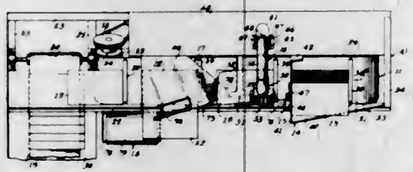
so positioned that the circulation produces oppositely directed component axial currents on circumferentially opposite sides of each baffle segment and produces component cross currents which flow predominantly centrifugal across one component axial current and flow predominantly centripetal across the oppositely directed component axial current, at opposite ends of the rotor annular inlet and outlet chambers connecting the ends of the flues to inlet and outlet ducts, connected to the ducts within the chambers stationary extension tubes to circulate the fluid through the ducts and thereby discharge an enrichment of constituents as enriched by the circulation of fluid within the flues.

2,584,346

MAGAZINE COVER-REMOVING MACHINE

William J. Havely, Los Angeles, Calif., assignor to Mekana Strip Company, Inc., Arcadia, Calif., a corporation of California

Application December 4, 1948, Serial No. 63,471
8 Claims. (Cl. 164—61)



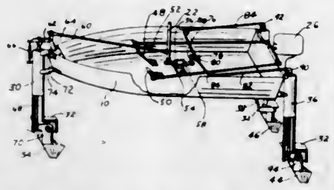
1. A machine for removing the covers of magazines comprising, in combination, a conveyor, a hopper for holding a stack of magazines with the lowermost magazine resting on the conveyor, spaced members on the conveyor for feeding the magazines from the stack, successively, suction means in the path of feed of the magazines and including a free-running wheel in peripheral engagement with the covers of said magazines and rotated by the covers during movement of the magazines, said suction means lifting the cover of each magazine, a finger member beyond said wheel and positioned in the path of the magazines to extend into the spaces between the bodies of the magazines and the lifted covers thereof to hold said covers raised after release by the suction means, a member in the path of further movement of the magazines for outwardly turning the raised covers, and means in the path of the outwardly turned covers for severing said covers from the bodies of the magazines adjacent the bound edges thereof.

2,584,347

HYDROFOIL BOAT

Allyn B. Hazard, Albuquerque, N. Mex.

Application April 11, 1950, Serial No. 155,245
5 Claims. (Cl. 114—66.5)



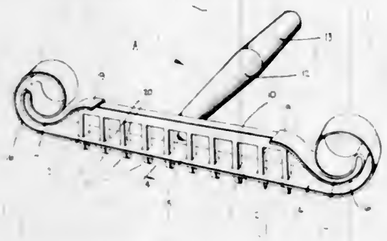
1. The combination with a boat hull, a tubular strut attached to said hull and projecting downwardly of the bottom of said hull, said strut being open at its lower end, a bell-crank lever pivoted at its angle within the lower open end of said strut, said lever having an upright arm projecting below said strut, a hydrofoil fixed to said upright lever arm, control means within said boat, and an operative connection between said control means and the remaining arm of said lever.

2,584,348

SELF-CLEANING HAND RAKE

John A. Healy, St. Paul, Minn., assignor of twenty-five per cent to John A. Healy, Jr., and twenty-five per cent to Edward James Healy, St. Paul, and twenty-five per cent to Mrs. W. F. Donais, Newport, Minn., and twenty-five per cent to Josephine Healy de Ruiz, Mexico City, Mexico

Application May 3, 1947, Serial No. 745,832
4 Claims. (Cl. 56—400.08)



1. A stripping means for use in combination with a rake having an elongated rake body and having a series of parallel projecting teeth thereupon, the stripping means comprising a pair of spaced rods having a straight intermediate portion designed to extend on opposite sides of the tines of the rake, looped ends on said rods forming a plurality of convolutions having generally

horizontal axes, means connecting the ends of said rods to the rake body, and means holding the intermediate portions of said rods in substantially parallel relationship.

2,584,349

COLOR FORMING DEVELOPMENT WITH AN AROMATIC PRIMARY AMINO DEVELOPER AND α - [4 - SULFOPHENYLAZO] - ACETO-ACET-2-4-DICHLOROANILIDE

Newton Heimbach, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 10, 1944, Serial No. 562,909
2 Claims. (Cl. 95—88)

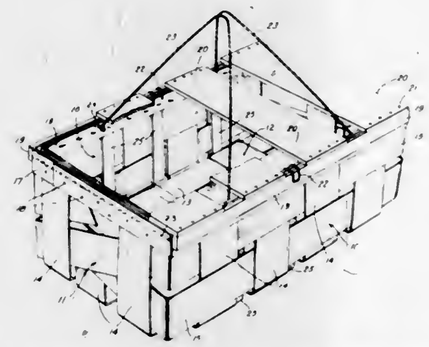
1. A color-forming photographic developer comprising an aromatic primary amino developing agent and α - [4 - sulfophenylazo]-acetoacet-2,4-dichloroanilide.

2,584,350

FRUIT BASKET

George C. Holland, Hollins, Va.

Application September 20, 1948, Serial No. 50,165
2 Claims. (Cl. 217—125)



1. A rectangular open-mouthed container having upwardly diverging side and end walls of light construction; hoop means secured to the upper ends of said walls to reinforce the rim of said container; a cover for said container comprising depending side rails adapted to closely embrace the outer sides of said side walls and having transverse slats secured thereto, said slats being spaced to provide a central transverse slot in said cover and at least one transverse slot on each side of said central slot; cover fastening means comprising bendable metallic members secured to each said side wall at substantially the mid point thereof, each said member being adapted to extend upwardly through said central cover slot and be bent downwardly over the corresponding said side rail to retain said cover on said container; and handle means for carrying said container comprising a pair of pliable cord-like members, one associated with each of said cover slots on opposite sides of said central slot, having the ends thereof secured to opposite said side walls adjacent the said associated slots in said cover, the intermediate portions of said cords being adapted to extend upwardly through said associated slots and into close proximity of one another, whereby both said portions may be grasped in one hand for carrying said container.

2,584,351

CONDENSATION OF AN ORGANO SILANE WITH A POLYHYDRIC ALCOHOL AND THEREAFTER WITH A POLYCARBOXYLIC ACID AND PRODUCT

Melvin J. Hunter and Lawrence A. Rauner, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application November 10, 1948, Serial No. 59,414
8 Claims. (Cl. 260—45.4)

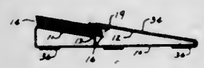
1. A method of preparing organosilicon copolymers which comprise condensing a silane of the composition R_nSiX_{4-n} in which R is selected from the group consisting of alkyl and monocyclic aryl radicals, n has a value of from 0.9 to 2.1 and X is selected from the group consisting of halogen and alkoxy radicals, with a polyhydric alcohol having from 3 to 4 hydroxyl radicals per molecule in amount such that the ratio of silane X radicals to alcoholic hydroxyl radicals is from 0.33 to 0.88 and reacting the product so obtained with a compound selected from the group consisting of polycarboxylic acids having from 2 to 3 carboxyl radicals per molecule and anhydrides thereof in amount such that the ratio of the number of acid functional groups to the sum of the number of alcoholic hydroxyl radicals plus the silane X radicals is from 0.06 to 1.2

2,584,352

CARD HOLDER

Albert H. Kern, Birmingham, Ala.

Application June 25, 1948, Serial No. 35,271
2 Claims. (Cl. 281—44)



2. A device for holding a stack of cards comprising a resilient metal sheet folded upwardly and then inwardly and downwardly at one end thereof to provide a base and card supporting portion overlying and spaced from the base, said card supporting portion being turned downwardly at its inner end to engage the base, said sheet being folded over itself at the end opposite said card supporting portion to provide an inwardly and upwardly extending hand rest portion spring biased from the base with its upper edge overlying the lower end of the card supporting portion, a card stop member extending downwardly from the upper portion of the hand rest portion adjacent the lower end of the card supporting portion and inclined away from the lower end thereof, and lips at the upper corners of said hand rest portion extending over the card supporting portion and having downturned card aligning tabs extending alongside said card supporting portion, said tabs flaring outwardly away from each other at the ends thereof adjacent said card supporting portion.

2,584,353

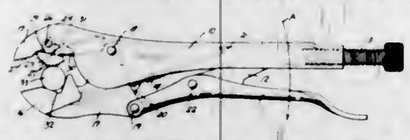
RATCHETING JAW FOR PLIER-TYPE WRENCHES

John Keiser, Windsor, Colo.

Application June 17, 1949, Serial No. 99,740
2 Claims. (Cl. 81—180)

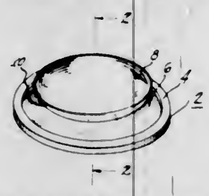
1. The combination with a plier-type wrench of the type having an upper and a lower jaw, of means for ratcheting a cylindrical article between said jaws, comprising: a ratcheting foot; a rounded hinge ear arising from said foot and rest-

ing in a similarly rounded receiving socket in the upper jaw; a hinge pin passing through said upper jaw and through said hinge ear; a lower



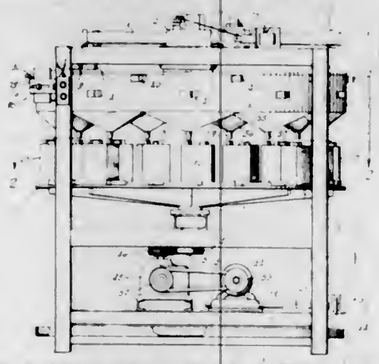
arcuate surface on said foot, said arcuate surface being eccentric of the axis of said hinge pin; and a V-shaped, article-receiving notch formed in the lower jaw below said ratcheting foot.

2,584,354
METHOD OF SEALING A GLASS FACING TO A SURFACE OF A METAL BODY
Robert W. Kissinger, State College, and Richard D. Faulkner, Lancaster, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application January 11, 1951, Serial No. 205,556
7 Claims. (Cl. 49—81)



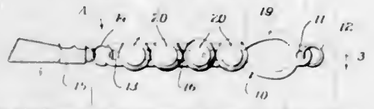
1. A method of providing a relatively large area surface of a metal body with a glass facing comprising cleaning said surface, providing said cleaned surface with an oxide coating, outgassing said coated surface, placing against said surface the convex surface of a glass plate of arcuate cross section, and heating both said body and said plate to the softening temperature of said glass until said plate reclines to the contours of said surface and becomes sealed thereto.

2,584,355
LIQUID DISPENSING AND FILLING MACHINE
Milton Koegler, Jacksonville, Fla., assignor to Renuzit Home Products Co., Philadelphia, Pa., a corporation of Pennsylvania
Application December 9, 1946, Serial No. 715,051
3 Claims. (Cl. 222—127)



1. In a liquid dispensing and filling machine, in combination, a frame, a table rotatably mounted on said frame, a plurality of hoppers arranged in concentric rows and fastened to said table, power operated means for rotating said table, a plurality of containers disposed on the table and beneath the hoppers, liquid conveying and measuring instrumentalities arranged over the hoppers, valves connected to said liquid conveying means, electro-magnetic means for controlling said valves, a plurality of elements arranged on said hoppers, and tripping means actuatable by said elements and effective for completing a circuit through said electro-magnetic means at predetermined times.

2,584,356
VARIABLE WEIGHT SINKER
Karl R. Larson, Aitkin, Minn.
Application August 13, 1948, Serial No. 44,151
4 Claims. (Cl. 43—43.14)

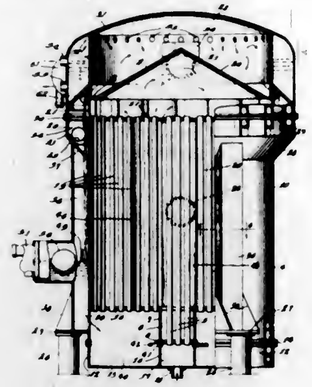


1. A sinker comprising a frame having one or more portions adjacent ends thereof constituting attaching means, and adjacent openings of different lengths in communication with each other, inwardly projecting means between said openings providing a space of less width than said openings constituting a passageway between said openings, one or more weights adapted to be positioned within the openings for retention in one of them and to be readily removable therefrom, each weight comprising a spool shaped member consisting of two spaced parts and a pintle connecting said parts, said pintle having a width dimension greater than the space constituting said passageway, one of said openings being of sufficient length to accommodate one or more pintles of said weights and having a space between opposite walls thereof not less than the width of a pintle, the other opening having a configuration greater than the configuration of the spool shaped member, the configuration of the spool shaped member being such that a plurality of members may assume slightly spaced relation to each other when said one of said openings is completely filled with weights, and the other opening permitting the passage of any of the weights therethrough with the pintle of the weight maintained substantially perpendicular to the opening, said pintles being adapted to move from one of said openings to the other by a rolling, sliding, or a combined rolling and sliding action, and whereby the peripheral surfaces of said weights are adapted to have a rolling or sliding, or a combined rolling and sliding movement with respect to other weights or obstructions which the weights may encounter.

2,584,357
REGENERATIVE EVAPORATOR
Frederick Arthur Loebel, Milwaukee, Wis., assignor to Cleaver-Brooks Company, a corporation of Wisconsin
Application April 23, 1949, Serial No. 89,299
10 Claims. (Cl. 159—24)

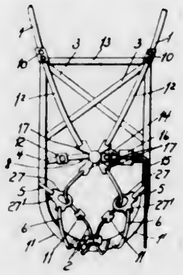
3. An evaporator comprising, a closed side wall having a pair of vertically spaced transverse tube sheets, a bottom below the lower tube sheet, and a hood member all forming an upper vapor chamber, an intermediate condensing chamber and a bottom solution chamber, tubes extending through the intermediate chamber and forming passageways between the upper and bottom chambers, a down-spout connecting the upper chamber and bottom chamber outside of

the intermediate chamber, an inner wall in the upper chamber fixed at its upper and lower edges with the inner surface of the hood member to form a boiler space, inlet and outlet connections



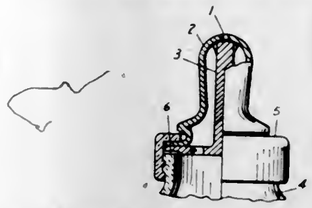
to said boiler space to lead liquid and steam thereinto and liquid therefrom, and a steam passage opening in the upper portion of said inner wall for conducting steam from said boiler space into the interior of said upper chamber.

2,584,358
ADJUSTING BUCKLE FOR THE SUSPENSION STRAPS LEADING FROM A PARACHUTE HARNESS TO THE PARACHUTE
Carl Herman Lundholm, Stockholm, Sweden
Application April 6, 1950, Serial No. 154,232
4 Claims. (Cl. 244—151)



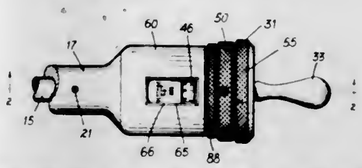
1. Device on a parachute harness fitted with a quick release connector and two pairs of suspension straps leading from the harness to the parachute, one pair being arranged on each side, one strap in each pair being adapted to pass at the back of the wearer downwards under his seat such straps together form a U-shaped sling, the other strap in each pair being adapted to be releasably fastened to the quick release connector, both straps in each pair being slidably interconnected by an adjusting buckle, which, in use, is placed at the upper front of the wearer, said buckle having at least two transversely extending slots, the one of which is arranged above the other, the upper slot being adapted to receive both suspension straps in a pair, the lower slot only the strap which is adapted for releasable engagement in the quick release connector, the outwards directed end of the upper slot projecting over the corresponding end of the lower slot, whereby the suspension straps, during a jump, are removed from the neighbourhood of the head of the parachutist.

2,584,359
NIPPLE AND DISPENSING DEVICE
Lawrence D. Miles, Baltimore, Md.
Application October 3, 1947, Serial No. 777,635
8 Claims. (Cl. 128—252)



1. A dispensing unit comprising a nipple of yielding material having an orifice through an outer wall thereof, a shield member supported within the nipple and normally engaging the wall of said nipple around said orifice to close said orifice, said member being movable relative to said nipple toward and away from said wall in response to deformation of said nipple to establish communication between the interior and exterior of said nipple through said orifice in response to pressure applied to the exterior walls of said nipple.

2,584,360
INDICATING AND SETTING MECHANISM FOR MACHINE TOOLS
Richard C. Montanus, Dayton, Ohio, assignor to The Springfield Machine Tool Co., Springfield, Ohio, a corporation of Ohio
Application January 25, 1949, Serial No. 72,663
8 Claims. (Cl. 116—115.5)



1. Mechanism for setting a movable work member of a machine tool to selectively indicate the movement thereof in operation comprising control means for fixing the position of said working member, an indicator having a plurality of series of markings thereon correlated in accordance with different working operations of said working member, means for releasably presetting said indicator in relation to said control means to establish a predetermined relation between the position of said working member and said markings, means for operatively connecting said indicator with said working member to cause indicating movement of said markings in accordance with the working movement of said working member, and means for selectively concealing certain of said series of markings leaving visible only a selected said series in accordance with the particular work operation.

2,584,361
HARVESTING MACHINE
Charles Victor Morine, Wahiawa, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif., a corporation of New York
Application May 24, 1948, Serial No. 28,884
14 Claims. (Cl. 214—83.1)

1. In a harvesting machine, the combination of a conveyer adapted to traverse a multiplicity of

rows of vegetation to be harvested, a conveyer for receiving and elevating the harvested material from the first conveyer, an intermediate receiving conveyer to which the harvested material is delivered by the elevating conveyer, a distributing conveyer to which the harvested material is delivered, feed adjusting means for longitudinally moving the distributing conveyer to move the position of the discharge end of the distributing conveyer relative to a mobile receiving box, means for raising and lowering the discharge end of the distributing conveyer to position the same with reference to the receiving box, the conveyers being operatively connected to and supported by and upon a mobile unit, said unit including turret means for rotating said conveyers about a vertical axis, the mobile receiving box being supported upon and carried by a second mobile unit, means operatively connecting the mobile units together in leading and trailing relation during the delivery of harvested material to the mobile receiving box, and a placing means carried by the discharge end of the distributing conveyer for placing the harvested material in the mobile receiving box from one end to the other of said box as the distributing conveyer is moved longitudinally of the receiving box by means provided for longitudinally moving the distributing conveyer.



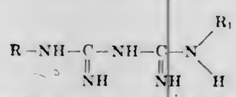
2,584,362
ANTISTATIC PHOTOGRAPHIC FILM

Fritz W. H. Mueller, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application February 20, 1946, Serial No. 649,058
11 Claims. (Cl. 95—9)



1. A photographic element comprising a support carrying a photographic silver halide emulsion layer and an anti-static layer comprising a biguanide corresponding to the following formula:



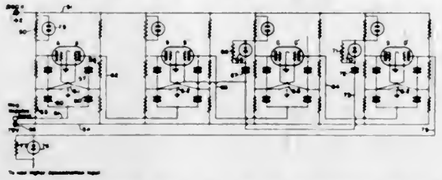
wherein R is a member selected from the class consisting of alkyl and acyl groups each having at least 7 carbon atoms, and R_1 represents a member selected from the class consisting of hydrogen and an alkyl group of not more than 4 carbon atoms.

2,584,363
ELECTRONIC COUNTING DEVICE

Robert E. Mumma, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application July 10, 1947, Serial No. 759,922
6 Claims. (Cl. 235—92)

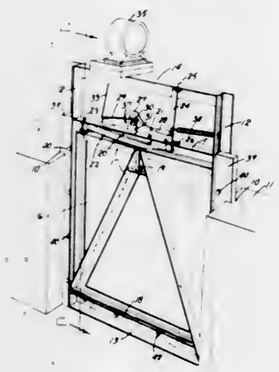
2. In combination, four pairs of electron discharge devices; circuits connecting each pair of devices to form a trigger-pair operable alternately to one and to another condition in response to impulses and including means to produce potential changes each time the pair changes from either condition to the other, said trigger-pairs, by combinations of said one and said other conditions, representing the digits "1" to "9" and "0"; circuits connecting the trigger-pairs in series to transmit the potential change, produced by a trigger pair assuming its other condition, as an impulse to the next trigger-pair of the series to cause it to operate and change its condition; an input circuit upon which input impulses are applied to the first trigger-pair of the series to cause it to operate alternately to its one and to its other condition; and further circuits connecting the third and fourth trigger-pairs in the series to the second trigger-pair to transmit the potential change, produced by either the third or the fourth trigger pair assuming its one condition, as an impulse to the second trigger-pair to cause it to assume its one condition, said series connections and said further connections cooperating to enable the four trigger-pairs to accumulate data in a decimal notation by being caused to be in said one and said other conditions, in combinations, to represent digits "1" to "9" and "0" and by returning to any particular combination after ten impulses have been applied to the input means.



2,584,364
AUTOMATICALLY OPENING HEAD GATE

Milo Kenneth Osborn, Loveland, Colo.

Application June 30, 1949, Serial No. 102,323
7 Claims. (Cl. 61—28)

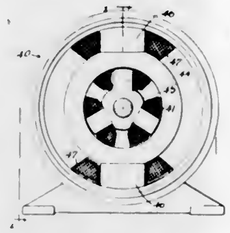


4. An automatically-opening irrigation gate construction comprising: a gate member; an outer frame completely surrounding said gate member; a hinge hingedly mounting said gate member at one side to said outer frame; a latch stud fixedly projecting from the other side of said gate member and extending across the outer frame at said latter side; a swinging bar hinged at its one extremity to the latter side of said frame at one side of said latch stud and positioned so that its free extremity will swing across said stud at right angles thereto to releasably hold said stud and said gate member against said frame; and means for releasing the free extremity of said swinging bar at pre-set times.

2,584,365
ELECTRIC MOTOR

L. Alphonso Pálffy, Kispest, Hungary, assignor to Albert Strojan, New York, N. Y.

Application June 23, 1948, Serial No. 34,720
In Hungary July 24, 1947
2 Claims. (Cl. 171—252)

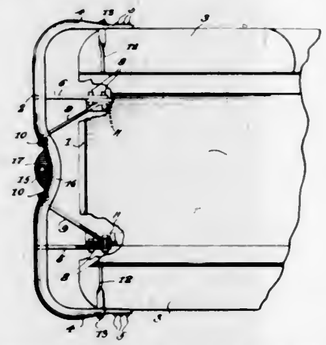


1. An electric motor which comprises a stator formed as a closed ring of magnetic material forming two parallel magnetic paths, a yoke connected to opposite sides of said ring and forming therewith a closed magnetic current, a rotor disposed within said ring and rotatable in the plane thereof, the total permeance of the two parallel magnetic paths forming the ring being equal to the permeance of the yoke at the point where it joins the ring.

2,584,366
COMBINED VEHICLE BUMPER AND TRAILER HITCH

Claude R. Perry, Waco, Tex.

Application September 17, 1947, Serial No. 774,591
3 Claims. (Cl. 280—33.44)



1. A combined vehicle bumper and trailer hitch comprising a bumper bar that is much wider than it is thick and that is designed to be mounted across the rear end of the vehicle with its width generally vertically disposed, said bar having a fully integral intermediate portion that is bowed forwardly to form a recess that is open vertically and rearwardly, and a horizontal plate welded to said intermediate portion to strengthen it and for hitching purposes, said plate being so disposed as to bridge the recess and so dimensioned that its back edge is substantially within the plane of the rear surface of the bumper bar, and means on said plate for hitching a trailer to said bumper bar.

2,584,367
PROCESS OF PREPARING 3-HALO-9-PHTHALIMIDOMETHYL BENZANTHRONE

David I. Randall and Saul R. Buc, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 3, 1950, Serial No. 194,011
3 Claims. (Cl. 260—326)

1. The process of preparing 3-halo-9-phthalimidomethyl benzanthrone in which the halo is selected from the class consisting of bromine and chlorine which comprises condensing in the presence of concentrated sulfuric acid one mol of said 3-halo-benzanthrone with one mol of N-hydroxymethylphthalimide.

2,584,368
PROCESS OF PREPARING 3-PHTHALIMIDOMETHYL BENZANTHRONE

David I. Randall and Saul R. Buc, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

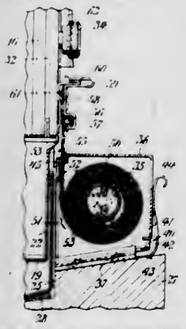
No Drawing. Application November 3, 1950, Serial No. 194,012
4 Claims. (Cl. 260—326)

1. The process of preparing an N-phthaloylaminomethyl derivative of benzanthrone which comprises condensing in the presence of concentrated sulfuric acid one mol of an N-hydroxymethylphthalimide with one mol of a benzanthrone, such benzanthrone being free of hydroxy groups and having the 3-position thereof unsubstituted and having no meta-directing substituent in ortho-position to the carbon atom in said 3-position.

2,584,369
SCREEN ATTACHMENT FOR WINDOWS

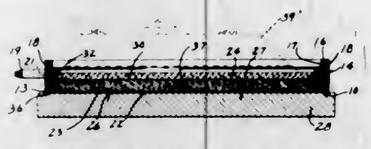
Henry N. Renton, Germantown, Pa., assignor to Hunter Manufacturing Corporation, Bristol, Pa., a corporation of Delaware

Application September 2, 1949, Serial No. 113,877
8 Claims. (Cl. 160—100)



1. A window screen comprising a sheet of mesh fabric with strands of self coiling spring metal affixed along its opposite side edges, one end of the sheet adapted to be secured to a roll freely rotatably supported in a fixed portion of the window, and means at the other end of the sheet for detachably securing the sheet to a cross rail of a sliding sash of the window.

2,584,370
LAUNDRY IRON SUPPORT
William T. Rickles, Oneonta, Ala.
Application April 20, 1949, Serial No. 88,617
2 Claims. (Cl. 248—117.3)



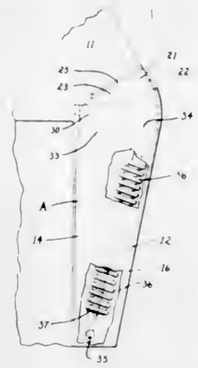
1. In a stand for supporting hot laundry irons, a pan-like metal shell having inwardly turned over sides forming a downwardly opening channel around the upper edge, pads of fibrous insulating material along the sides of the shell and extending upwardly into the channel to be retained in place thereby and being of such thickness below the channel as to extend inwardly of the holder beyond the side of the channel, a separate bottom pad of fibrous insulating material covering the bottom of the holder and bearing against the side pads to retain them in place along their lower edges, and a pad of relatively stiff insulating board covering the bottom pad of fibrous material and bearing against the side pads.

2,584,371
FISHING GAFF
Joseph T. Shackel, Detroit, Mich.
Application March 5, 1947, Serial No. 732,514
4 Claims. (Cl. 294—104)



1. In a gaffing device, a handle shaft, a hand grip portion at one end of the shaft, a gaff hook at the other end of the shaft, a guard for the pointed portions of said hook comprising a swinging arm pivotally mounted on the shaft for swinging between an open position to bare the hook for operation and a cover position, one end of said arm being adapted to engage said pointed portions of the hook in overlying relation in the cover position, manually controlled guard operating means having a portion slidable along said shaft and a finger grip portion adjacent said hand grip portion, said guard operating means being operatively connected with the guard for swinging the latter forceably to the cover position when the finger grip portion is drawn forceably toward the hand grip portion, spring means yieldingly urging the guard to the open position, said shaft having a solid body portion, detent means for locking the guard in the cover position including a pin slidably supported within said body portion for sliding transversely of the shaft and having an end adapted to project from the shaft, and spring means yieldingly urging the pin in the direction of said last named end, said guard operating means having a recess therein adapted to register with said end of the pin to receive the latter in locking engagement at the cover position of the guard.

2,584,372
HINGE
Enoch Swedman, St. Paul, Minn., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application May 7, 1945, Serial No. 592,325
4 Claims. (Cl. 16—190)

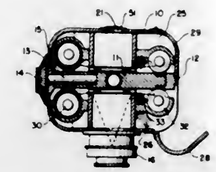


1. A hinge for use in conjunction with a cabinet having a substantially vertical panel and a substantially horizontal top closure, the hinge including a channel shaped first hinge body having opposed walls and a connecting wall, means connecting the first hinge body to the vertical wall of the cabinet with that section of the first hinge body opposite the connecting wall being adjacent the cabinet panel, said first hinge body having an open upper end, a second hinge body including a sector shaped portion having a pair of opposed walls and a curved connecting wall, the opposed walls of the second hinge body being in telescopic relation with the opposed walls of the first hinge body, means pivotally connecting the first hinge body to the second hinge body at substantially the center of curvature of said curved wall of the second hinge body, means rigidly connecting one end of said sector shaped portion to said closure, the other end thereof being open, and an elongated spring extending between the opposed walls of both of the hinge bodies and extending from a point near the curved wall to a point near the lower end of the first hinge body.

2,584,373
MULTIPLE ROLL FILM CAMERA
William D. Thompson, San Diego, Calif.
Application August 4, 1947, Serial No. 765,921
5 Claims. (Cl. 95—31)

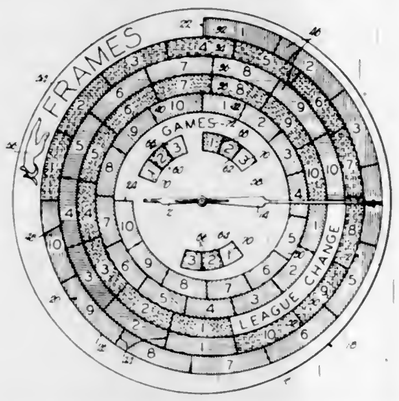
1. In a camera, the combination of a camera frame, a rotor rotatably mounted within said frame, a plurality of unitary negative carrier structures quickly attachably and detachably mounted on said rotor element, an optical exposure system mounted on said camera frame, and

means arranged to rotate said rotor whereby one of said negative film carriers may be moved into cooperative position with respect to said optical exposure system, each one of said plurality of unitary negative carrier structures comprising: a supply spool and a take-up spool mounted on opposite sides of a shadow box on said carrier structure, each of said carrier structures being slidably movable in said rotor element in a direction extending from said supply spool to said



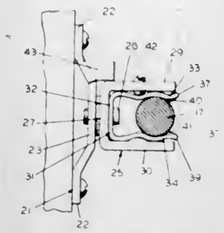
take-up spool, and a film take-up knob and a film rewind knob each having their shafts both rotatably and longitudinally movable in said camera frame for movement from a retracted position to a position in operative engagement respectively with said take-up spool and said supply spool, said take-up knob and rewind knob, when in retracted position, allowing rotatable movement of said rotor, and when in engagement respectively with said supply spool and take-up spool preventing rotatable movement of said rotor.

2,584,374
BOWLING TIME CLOCK
Milford L. Wickstrom, Kansas City, Kans.
Application September 12, 1949, Serial No. 115,253
3 Claims. (Cl. 161—17)



1. In a timing device for bowling games having timepiece mechanism including a rotatable hour hand and a rotatable minute hand, a dial for the hands comprising a member having a face underlying said hands, said face having an elongated spiral formed thereon within the space traversed by the minute hand only, said spiral having a number of divisions, each corresponding in length with the distance of travel of said minute hand during a single bowling frame played at a predetermined speed, said face having an arcuate area thereon within the space traversed by said hour hand, said arcuate area having a number of portions, each corresponding in length with the distance of travel of said hour hand during a bowling game of ten frames played at a predetermined speed.

2,584,375
STORM WINDOW FASTENER
John H. Widmer and Carl T. Smith, St. Paul Park, Minn.
Application July 22, 1946, Serial No. 685,497
10 Claims. (Cl. 292—275)



10. A storm window fastener for use in connecting a pivotally supported window to its frame, the fastener including an arm pivotally connected to the window, a channel bracket pivotally supported to the frame, said channel bracket having spaced sides and a connecting base and being designed to removably and slidably support said arm between the spaced sides, retaining means on said bracket for frictionally engaging said arm to hold the arm between said spaced sides and disengageable from the bracket upon movement away from said base, the pivots connecting said arm to the window and connecting said channel bracket to the frame being substantially co-axial in closed position of the window.

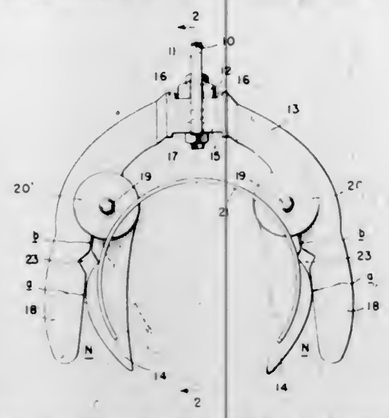
2,584,376
PURIFICATION OF BENZENE HEXACHLORIDE
Bill M. Williams, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application October 22, 1947, Serial No. 781,479
1 Claim. (Cl. 202—52)

The method which comprises suspending a mixture of isomeric forms of benzene, hexachloride which cannot be fractionally distilled to obtain a practical separation, in a liquid which is a better solvent for the gamma isomer than for the beta isomer, separating therefrom a crop of crystals rich in the beta isomer, recovering from the liquor a mixture of isomeric forms of benzene hexachloride containing less than 5 per cent of the beta isomer, fractionally distilling the mixture at a pressure of from 1 to 100 millimeters of mercury, and recovering the lower boiling fractions enriched as to the alpha isomer and the higher boiling fractions enriched as to the gamma isomer, said principal fractions being improved both in odor and color as compared with the mixture subjected to distillation.

2,584,377
SUPPORT AND SHACKLE FOR FOWL
John H. Wunderlich, Lebanon, Pa.
Application June 12, 1947, Serial No. 754,126
3 Claims. (Cl. 17—44.1)

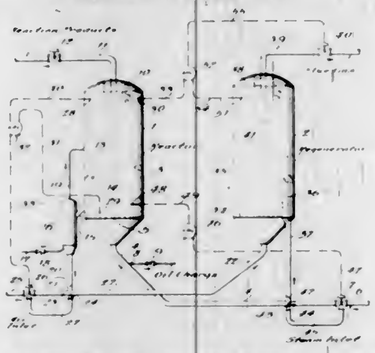
1. A device of the class described comprising a vertical bracket adapted to be associated with conveyor means, a shackle horizontally mounted on said bracket and consisting essentially of a flat arcuate yoke-shaped body member provided with means for retaining the shackle against displacement from its horizontal position and with means for associating a bird with and dissociating it from the shackle by movements

relative thereto in the horizontal direction, said last-named means comprising two pairs of jaws between which the respective legs of the bird may be received and retained, each pair of jaws including a fixed jaw constituted by a terminal



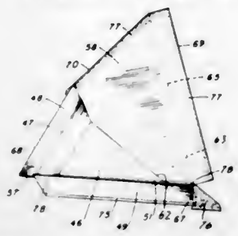
portion of the body member and a movable jaw connected to the fixed jaw pivotal movement about an axis disposed perpendicularly to the plane of said body member, and resilient means for urging said movable jaws toward their respective fixed jaws.

2,584,378
FLOW CONTROL OF PARTICLES IN FLUIDIZED PROCESSING
Jon Beam, Blue Ridge, Ga., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 23, 1949, Serial No. 134,757
9 Claims. (Cl. 196—52)



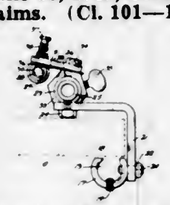
1. In a contacting process wherein a stream of fluid is passed upwardly through a fluidized bed of subdivided solid particles in a contacting zone and solid particles transferred from said zone to another zone, the improvement which comprises continuously withdrawing subdivided particles downwardly from the fluidized bed in said contacting zone in a relatively dense phase fluidized column, discharging the withdrawn particles into a transfer conduit disposed transversely with respect to said column and communicating with said other zone, maintaining at least two jet streams in said conduit below said column, directing one of said jet streams upwardly into said column in a manner hindering the discharge of particles therefrom, and directing another of said jet streams away from said column in the direction of said other zone.

2,584,379
PIE PLATE
Catherine A. Chmielewski, Trenton, N. J.
Application January 27, 1950, Serial No. 140,799
1 Claim. (Cl. 206—4)



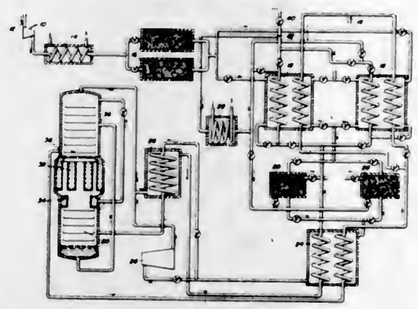
A cardboard pie plate for packaging and serving a cut piece of pie having an outer, crust portion, a bottom, and a cut side portion, said pie plate comprising a base plate having a configuration substantially similar to the configuration substantially similar to the configuration of the horizontal outline of said cut piece of pie, but slightly larger than said outline, a rearward wall upwardly projecting from said base plate and inclined at an angle substantially identical to the angle between said outer crust portion and the bottom of said cut piece of pie, a member projecting from said rearward wall and at an angle thereto, the lower faces of said member, rearward wall and base plate defining mounting means whereby said pie plate may be mounted and supported on the upwardly turned hand of the eater; the height of one of said walls being greater than the height of said cut piece of pie; an edge portion of said base plate extending intermediate a portion of said side wall and a portion of said rearward wall and defining a portion of a passage into which a fork may be applied in cutting and eating said piece of pie; said edge portion being so disposed with respect to said side wall and rear wall that when said cut piece of pie is resting on said pie plate, with said bottom resting on said base plate and said outer crust portion resting on said rearward wall, said cut side portion will be disposed in proximity to said edge; and a film-like displaceable cover member secured to the outer surface of the base plate and projecting from the edge portion thereof and extending intermediate said rearward wall, side wall and said edge portion, at least a portion of said cover member being transparent, and disposed in proximity to said passage; and means for sealing the interior of said pie plate when said cover is in place.

2,584,380
WATER CONTROL ROLLER FOR OFFSET PRESSES
Raymond C. Delaplane, Denver, Colo.
Application June 30, 1949, Serial No. 102,350
4 Claims. (Cl. 101—148)



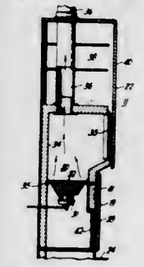
1. A water control roller for a lithograph press comprising: a pair of block members; a shaft passing through both block members; means for preventing rotation of said members on said shaft; an arm extending forwardly from each of said block members; a leaf spring clamped between each block member and its arm and extending longitudinally of and below said arm; a cylindrical loop integrally formed in the extremity of each spring; a resilient roller rotatably journalled in said loops and extending between said springs; and means for urging said springs away from their adjacent arms.

2,584,381
LOW-PRESSURE GASEOUS O_2 CYCLE WITH NO CHEMICAL AIR PURIFICATION
Barnett F. Dodge, Hamden, Conn., assignor to the United States of America as represented by the Secretary of the Navy
Application May 16, 1947, Serial No. 748,619
1 Claim. (Cl. 62—175.5)



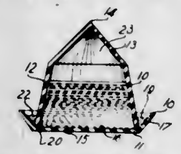
The process of low-pressure and low-temperature rectification of gaseous mixtures of at least two components comprising compressing the gaseous mixture to a relatively low absolute pressure, cooling the compressed mixture to remove the heat of compression, removing the condensed moisture from the gaseous mixture by passing it through one of a pair of dryers provided with a water absorbent material, passing the partially dried gaseous mixture through one of a pair of switch exchangers to condense and freeze out the remaining moisture, passing the dried gaseous mixture through one of a pair of adsorbers provided with an adsorbing medium to remove carbon dioxide and other hydrocarbons therefrom, passing the thus purified gas through a second heat exchanger to reduce its temperature to the range of −240 to −270° F., passing one part of the pure, cold, compressed gas through a liquefier and the other part through an expander engine to act as a refrigerant in the liquefier, passing the liquefied gas into the base of a rectifying column where the more volatile component of the liquefied gas volatilizes, enters a condenser positioned intermediately of two sections of the column and is condensed therein to a liquid, throttling this liquid into the top of the column to vaporize and act as a rectifying liquid therein, passing the liquefied gas from the bottom of the column into the column at a point intermediate to the condenser and the top of the column wherein the remainder of the more volatile component volatilizes and passes to the top of the column and the less volatile component passes as a liquid into the cooling side of the condenser, withdrawing as a gas the rectified, more volatile component from the top of the column, passing it as a refrigerant into the cooling side of the liquefier, passing it thence as a refrigerant into the cooling side of the second heat exchanger, thence as a refrigerant on the cooling side of the "on stream" switch exchanger and thence in part to the atmosphere and in part through a heater whence it is introduced in part into the "off stream" adsorber to reactivate the adsorbing medium therein and to remove the adsorbed carbon dioxide and other hydrocarbons therefrom and venting this reactivating gas to the atmosphere, passing the other part of the heated gas through the cooling side of the "off stream" switch exchanger to melt the ice formed exteriorly thereof and thence to the cooled side of this switch exchanger to evaporate the water formed by the melted ice and thence discharging this moisture laden gas to the atmosphere, withdrawing the rectified, gaseous, less volatile component from the column at a point immediately above the refrigerating liquid in the condenser, passing this gas as a refrigerant through the second heat exchanger, thence as a refrigerant into the cooling side of the "on stream" switch exchanger and discharging this gas thence as the gaseous product of the process.

2,584,382
KITCHEN CABINET INCINERATOR
Guyon L. C. Earle, Forest Hills, N. Y.
Application May 5, 1947, Serial No. 746,119
11 Claims. (Cl. 110—18)



1. An insulated L-shaped or set-back incinerator unit comprising a lower portion, an intermediate portion and an upper portion, the front of the intermediate portion and the front of the upper portion being positioned to the rear of the front of the lower portion, a horizontal table-top member above the lower portion and in front of the intermediate portion, a combustion chamber and an ash receptacle in said intermediate portion, an insulated feed hopper in said upper portion communicating at its lower end with the upper portion of the combustion chamber for the feeding of matter to be incinerated, and a flue connected to said hopper, said ash receptacle being located below the combustion chamber and in communication therewith for the transfer of ashes from said combustion chamber to the ash receptacle.

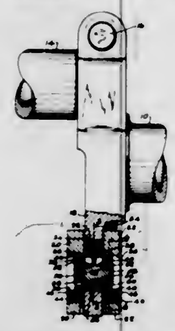
2,584,383
FOWL DRINKING FOUNTAIN
John Franz Feck, Norwood, Ohio
Application April 15, 1947, Serial No. 741,593
2 Claims. (Cl. 119—77)



1. A deformable poultry drinking fountain of the barometric type, comprising a dish-shaped base having a substantially flat body portion and an upwardly extending flange, and an inverted open-ended container having a lateral water

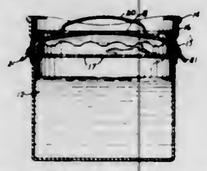
discharge hole adjacent its open end resting on said flat body portion peripherally adjacent said flange and cooperating therewith to form a drinking trough between said container and said flange, said container and base being formed of elastic, rubber-like form-retaining material, the elastic qualities of said material permitting said container and base to be deformed by application of manual tension, whereby said container and base may be separated and stripped from each other and from ice resulting from water freezing in said container and trough.

2,584,384
VIBRATION DAMPER
Marshall W. Galliers, Radburn, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application December 30, 1949, Serial No. 135,946
10 Claims. (Cl. 74—604)



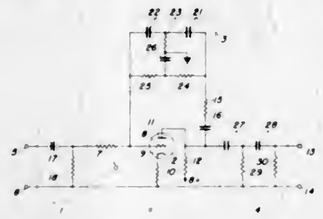
1. Means for damping vibrations of a shaft member; said damping means comprising a weight member; each of said members having an arcuate track facing the arcuate track on the other of said members; roller means disposed between said tracks for providing a pendular support for said weight member from said shaft member, said roller means comprising a roller member having a first portion disposed for rolling engagement with one of said tracks and having a second portion, said roller means also comprising a bushing slidably fitted about said roller member second portion for axial sliding movement relative to said roller member and for rolling engagement with the other of said tracks; means for preventing relative axial movement between said roller member and its said one track; and means for preventing relative axial movement between said bushing and its said other track.

2,584,385
AERATING MINNOW BUCKET
John R. Ginter, Denver, Colo., assignor to James T. Clark, Fort Morgan, Colo.
Application February 4, 1948, Serial No. 6,172
1 Claim. (Cl. 43—56)



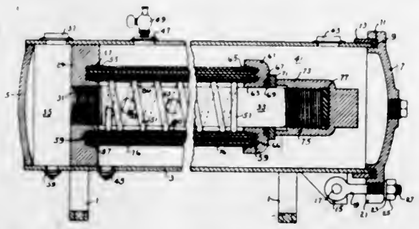
An aerating lid for a minnow bucket comprising: a pan-shaped member having upturned sides adapted to slide within the minnow bucket and provided with perforations in its bottom; a projecting peripheral edge on said member limiting its insertion in the bucket; a convex top plate inset within said pan-shaped member within the enclosure of said upturned sides and being secured to the latter above said bottom and below the upper edge of said sides, the peripheral edge of said top plate being notched at spaced-apart intervals to provide air passages around its periphery; and a handle mounted on said convex top plate.

2,584,386
BAND-PASS FILTER NETWORK
Donald G. C. Hare, Roslyn, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application May 11, 1944, Serial No. 535,161
10 Claims. (Cl. 179—171)



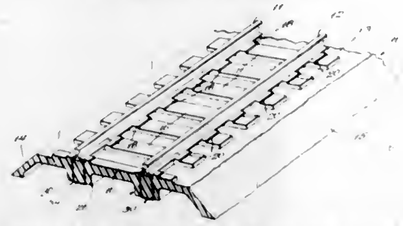
1. An electric wave filter comprising a degenerative feedback amplifier employing in its feedback loop a network having an attenuation curve sharply peaked for minimum transmission, and a filter network serially connected to said amplifier and having a gradually sloping transmission curve, the frequency at which the feedback network is peaked being close to the cut off frequency of the second mentioned network.

2,584,387
EXPENDIBLE CARTRIDGE FILTER AND METHOD OF MAKING SAME
Frank B. Harvuot, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana
Application November 6, 1944, Serial No. 562,191
3 Claims. (Cl. 210—183)



1. In a filter, the combination of a tank having an inlet for liquid to be filtered and a filtrate outlet, a filter element, comprising a plurality of laminations of phenol formaldehyde resin-impregnated paper bonded together to form a unitary structure, disposed between said inlet and outlet, said element being in the form of a tube disposed in said tank, means for closing the ends of said tube each comprising an element having a tapering groove adapted to receive the end of the tube and to compress it, and a sharpened ring disposed at the bottom of the groove for impaling the end of the tube.

2,584,388
TOY RAILROAD TRACK
Robert M. Husband, Fort Wayne, Ind.
Application September 4, 1947, Serial No. 772,083
4 Claims. (Cl. 238—10)



1. For a toy railroad track having a plurality of sections, each section having a supporting structure and rails having base flanges mounted on said supporting structure, a coupling for adjacent track sections comprising U-shaped sleeve members with inwardly turned top flanges adapted to engage the top surfaces of the rail base flanges in a longitudinal direction, said supporting structures having their ends slotted to receive said U-shaped sleeve members, said supporting structures of adjacent sections and the adjoining U-shaped sleeve members having transversely aligned longitudinally spaced apertures, and locking means adapted to pass through said aligned apertures whereby the track sections are held against separate longitudinal and transverse movement.

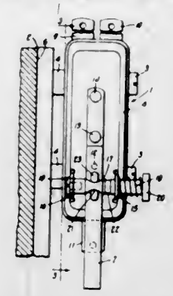
2,584,389
BOOK-PAGE AND LETTER SHEET MARKER
Lee B. Kuhn, Brooklyn, N. Y.
Application October 21, 1948, Serial No. 55,790
5 Claims. (Cl. 116—119)



1. A book mark incorporating a pair of plies of sheet material arranged for frictionally engaging between them the opposite sides of the page of a book, said plies made of a relatively thin, flexible material which has an inherent resiliency characteristic of a fairly dense thin cardboard, and means securing said plies together along a bounding edge of the book mark to stiffen said resilient characteristic of each at an elongate region alongside said line, there being an additional ply coupled to one of the two first-named plies to provide a two ply structure stiffer than the structure constituted by the other of the two first-named plies.

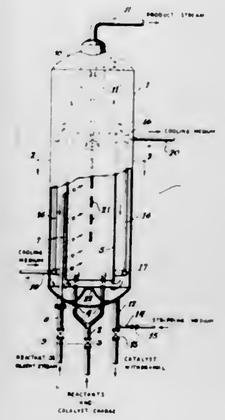
2,584,390
SAFETY CABINET SWITCH
Wallace A. Lauder, West Nyack, N. Y., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application July 14, 1950, Serial No. 173,919
5 Claims. (Cl. 200—54)

2. In apparatus of the class described, a switch actuating plunger biased to an extended position; a spring arm adapted to contact said switch actuating plunger including a ribbed portion, a rod actuator including two cut-out portions, said rod actuator biased so that said rib portion normally extends into one of said cut-out portions, said ribbed portion adapted to engage the other
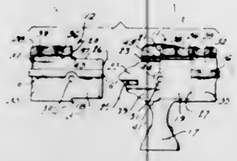


of said cut-out portions to hold the switch actuating plunger against its bias.

2,584,391
APPARATUS FOR EFFECTING FLUIDIZED CONTACT BETWEEN SOLID PARTICLES AND FLUID MEDIUMS
Frederick W. Leffer, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 29, 1947, Serial No. 738,130
5 Claims. (Cl. 23—288)



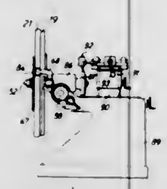
1. Apparatus for non-mechanically contacting fluid mediums with sub-divided solid particles which comprises in combination, a substantially vertical chamber, a continuous partitioning wall positioned substantially vertically within said chamber and out of contact with the walls and ends of said chamber and providing thereby an inner contacting zone and a substantially annular recycle passageway, said partitioning wall terminating at a substantial distance below the upper end of said chamber whereby a separation zone is provided within said chamber above said inner contacting zone and annular recycle passageway, inlet means for introducing sub-divided solid particles and fluid to the lower portion of said inner contacting zone, vertically spaced tangential inlets projecting through said partitioning wall to said inner contacting zone, a conduit communicating with each of said tangential inlets, outlet means for withdrawing fluid products from the upper portion of said separation zone, and outlet means for withdrawing solid particles from said annular recycle passageway and said chamber.

2,584,392
PLATEAU
Margaret Lewis, also known as Maggi Lewis, New York, N. Y.
Application August 20, 1948, Serial No. 45,413
3 Claims. (Cl. 211—126)



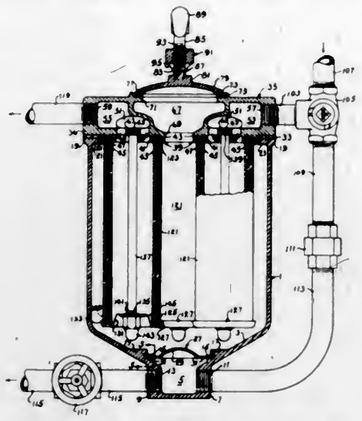
1. A plateau comprising a plaque and a frame therefor, said frame comprising a plurality of sections each having a ledge projecting inwardly along the length thereof for supporting said plaque, one end of each section terminating in a tongue the interior surface of which carries an extension of said ledge and the other end terminating in a front decorative portion with a leg depending therefrom, the tongue of one section being wholly receivable behind the decorative portion of another section when said sections are assembled, said tongue having an aperture and said other end having a socket which register when said sections are assembled, and a fastening member receivable in said aperture and socket for securing said sections together.

2,584,393
CIRCLE DIVIDING MACHINE
Rudolf Wilhelm Lipp, Graz, Austria
Application May 8, 1948, Serial No. 25,871
In Switzerland September 15, 1947
12 Claims. (Cl. 33—19)



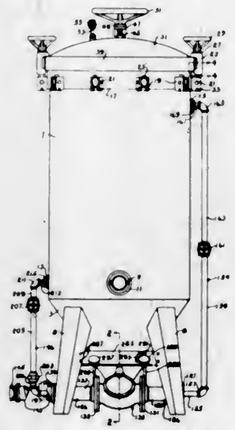
1. A machine for dividing circular arcs into any desired number of equal division comprising, in combination with the frame of the machine, a master disc having an invariable diameter, supported by said frame and being provided with at least one scale on its periphery, a carrier disc supported by said master disc and having an optionally adjustable diameter, a flexible band provided with progressively numbered and equally spaced marks, the one end of said band being fixed to said carrier disc in such a position that its zero point is aligned with the zero point of the scale of the master disc, and being wound around said carrier disc, means provided on said discs and adapted to adjust the diameter of said carrier disc in such a manner that any desired mark on the band may be brought opposite to any desired point of the scale on the master disc and means supported by the frame and adapted to adjust the circular surface of a work piece in correspondence with the position of the said marks on the band lying on the adjusted carrier disc.

2,584,394
FILTER
Harvey E. Marvel, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana
Application January 26, 1946, Serial No. 643,565
1 Claim. (Cl. 210—184)



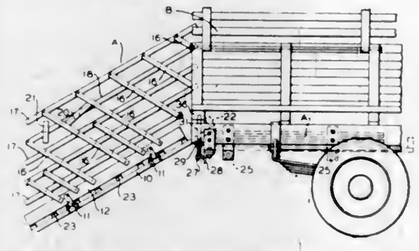
In a filter, a case having an inlet and an outlet, filter elements in said case interposed between the inlet and the outlet in the path of liquid flowing therebetween, a number of projections disposed in circumferential spaced relation about said inlet and provided with radial openings and stop means below said openings, a baffle having a number of tabs projecting radially and downwardly from the periphery thereof and adapted to be positioned by said stop means to enter said openings, said tabs being of such length as to engage in the openings when brought into a horizontal plane by being forced against said stop means so as to prevent removal of the baffle, said baffle being supported transversely across said inlet by the projections and tabs.

2,584,395
FILTER AID FEEDER
Harvey E. Marvel, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana
Application August 16, 1946, Serial No. 691,001
16 Claims. (Cl. 210—1)



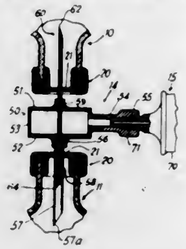
1. In a filter aid feeder, the combination of a tank having a bottom, a flow line communicating with the tank through the bottom thereof, a downwardly directed frusto-conical, filter aid supporting baffle, means for supporting the baffle across said tank above the bottom thereof, said baffle having an opening at its lower end, a jet forming device disposed below said opening, and means for discharging liquid through said device adjacent the baffle to feed filter aid therefrom into said flow line.

2,584,396
LOADING AND UNLOADING CHUTE FOR VEHICLES
Charles E. Naekel, Valley City, N. Dak.
Application August 15, 1949, Serial No. 110,440
5 Claims. (Cl. 214—85)



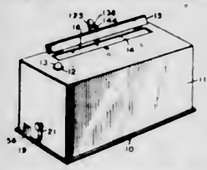
1. In a collapsible livestock chute, a ramp, a transverse bar member secured to the upper end of said ramp, base side wall members hinged to the side edges of said ramp, a series of parallel obliquely positioned folding side members the lower ends of which are pivotally secured to each of said base wall members, a series of longitudinal side members pivotally secured to said folding side members maintained in parallel relation to said base side wall members, a locking bar pivoted to one of said folding side members the ends of which are adapted to engage the opposing edges of two of said parallel folding side members when said side members are separated to hold the same apart and thereby maintain said longitudinal side members in extended position to form walls on said ramp, one of said base walls having offset hinges whereby said wall in a collapsible position may be folded over the said other collapsed wall folded upon said ramp.

2,584,397
APPARATUS FOR TRANSFERRING LIQUID FROM ONE CONTAINER TO ANOTHER
Louis K. Pitman, New York, N. Y.
Application October 3, 1945, Serial No. 620,111
8 Claims. (Cl. 226—116)



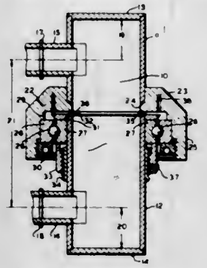
1. A device for transferring liquid from one vessel to another comprising a chamber, means on the chamber to receive the nozzle of a syringe, said chamber having a pair of opposite walls, one of said opposite walls having an opening, a relatively thick hollow needle attached to said wall and said chamber and extending therefrom and having one end fixed within said opening, said needle having a pointed outer end, the other of said walls being formed with an opening aligned with the first opening, and a relatively thin hollow needle passing through the opening in said other wall, and being fixed to said wall and having a portion traversing the chamber, and a portion projecting into said relatively thick needle in spaced concentric relation thereto, and said relatively thin needle having a portion projecting away from said chamber in a direction opposite to the relatively thick needle, and being formed with a pointed outer end.

2,584,398
COMBINED FACSIMILE TRANSMITTING AND RECEIVING EQUIPMENT
Leon G. Pollard, Southampton, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application May 29, 1948, Serial No. 30,073
29 Claims. (Cl. 178—6.6)



11. In a facsimile machine, a source of record tape, means for feeding and guiding said tape in an arcuate path, a scanning mechanism including a motor, a rotatable shaft, driven by said motor, a stylus support carried by said shaft and a stylus carrier detachably secured to said support for rotation by said member, said stylus carrier comprising a disk provided with a plurality of stylus points, and manual means for releasably clamping said disk on said support, said plate and said support having interengaging means whereby said stylus carrier will be secured in predetermined angular relationship to said support.

2,584,399
ROTATABLE WAVE GUIDE JOINT
William M. Preston, Lincoln, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application August 11, 1945, Serial No. 610,350
15 Claims. (Cl. 178—44)



11. A rotatable wave guide joint comprising, a pair of coaxially abutted cylindrical wave guide sections, structural means cooperating with each of said sections and positioned at the abutment to enable relative rotation of said sections about a common axis, means coupled to said sections at a predetermined distance from the re-

spective opposite ends of said sections for exciting axially symmetrical and axially unsymmetrical modes of oscillations in said sections when said means is provided with radio frequency energy in the form of oscillations in another mode from a connecting hollow wave guide, and means positioned at the respective opposite ends of said sections for presenting a relatively high impedance to oscillations in said unsymmetrical mode and a relatively low impedance to said symmetrical mode at said exciting means.

2,584,400

PROCESS FOR ANODIC OXIDATION OF ALUMINUM AND ITS ALLOYS

Carlo Sonnino, Milan, Italy

No Drawing. Application May 29, 1947, Serial No. 751,453. In Switzerland October 20, 1944
Section 1, Public Law 690, August 8, 1946.
Patent expires October 20, 1964
4 Claims. (Cl. 204—58)

1. In a process for the production of transparent and hard coatings on aluminum and its alloys the step which comprises making said metal the anode in an electrolytic bath consisting essentially of about 84 parts by weight of water, 15 parts of sulphuric acid and 1 part of beryllium sulphate.

2,584,401

TRANSPARENT VACUUM BACK

Marvin A. Thralls, Kingston, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application August 11, 1949, Serial No. 109,768
2 Claims. (Cl. 88—24)



1. Apparatus of the class described, comprising a substantially rectangular fixed plate, a set of guide rolls disposed to convey a strip of film past the front face of the plate in parallelism and in slightly spaced relation therewith, a suction manifold surrounding the plate and having its inner edge provided with means for bleeding air to or from between the film and the plate, a rectangular deformable sealing frame having inner edges which overlie the strip of film and the plate and an outer portion spaced above and overlying the edges of the plate and suction manifold, and means for smoothing said frame over said strip so that its said outer portion flexed against said strip over the plate and manifold, providing a full contact between said strip and plate.

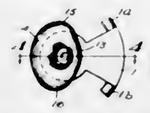
2,584,402

ACOUSTIC COUPLER FOR EARPHONES

John Volkmann, Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development

Application June 5, 1944, Serial No. 538,845
2 Claims. (Cl. 181—23)

1. An acoustic coupler for earphones comprising a base member having a sound communication channel formed therein, a tubular extension on said base member, sealing means for sealing the opening of an ear canal from sounds other than those emanating from said communication channel, said sealing means being located at the end of said tubular extension to be placed nearest the ear canal, said sealing means comprising an irregularly oval-shaped body of flexible material having a front edge portion at one end of the shorter axis of said oval-shaped body, said front edge of said body having a rolled edge portion curved over upon itself in the direction of said base member forming an arc of relatively small radius adapted to fit within the tragus of an ear, top and bottom edge portions extending from said first edge portion increasing in width rearwardly, a flattened rear edge portion merging into said top and bottom portions whereby said top, bottom and rear portions are adapted to conform to the cartilage sections of an ear, a laterally offset opening in said body lying along the axis of said extension, means positioning said opening in offset relation to a line perpendicular to the axis of said tubular extension, and means positioning said front edge closer to said base member than said rear edge so that sound carried through said extension will enter the canal of the ear.

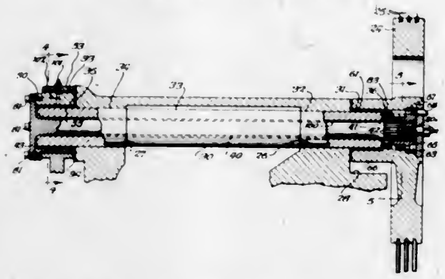


2,584,403

DRIVING MECHANISM AND SUPPORTING STRUCTURE FOR MACHINES

George F. Wales, Kenmore, and Paul H. Taylor, North Tonawanda, N. Y.; said Taylor assignor to said Wales

Application June 30, 1949, Serial No. 102,384
11 Claims. (Cl. 74—44)



1. A drive for a machine tool having a reciprocating work-performing instrumentality and a frame by which said instrumentality is carried, said drive including a tubular member which is carried by said frame, an eccentric journalled on said tubular member, means journalled on said eccentric and to which said instrumentality is connected, and a power shaft located in said tubular member and to which said eccentric is connected.

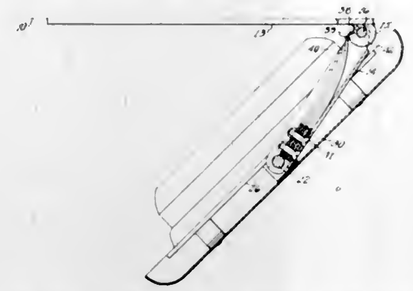
2,584,404

FURNACE DOOR STRUCTURE WITH SPRING AND CAM RETENTION MEANS

Ernest C. Webb, Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg.

Application July 14, 1947, Serial No. 760,809
3 Claims. (Cl. 110—173)

1. A door frame, a door, and means operatively hinging said door to said frame, said means comprising a hinge link means, a first means operatively connecting one end of said link means in hinged relation to said door frame, a second means operatively connecting the other end of said link means in hinged relation to said door, the hinging axis of said first means being in spaced parallel relation to the hinging axis of said second means, a cam on said door frame, and a resilient cam follower means fixed to said link means in operative relation to said cam, said cam being formed with a cylindrical surface of uniform radius about the hinging axis of said first means, said cylindrical surface terminating angularly at a recess formed in said cam, and the free end of said cam follower being adapted to move off said cylindrical surface into said recess as said door nears its closed position against said frame, whereby as said door is moved away from said door frame and said cam follower rides the surface of said cam from said recess to said cylindrical surface, door closing energy will be stored in said cam follower and as said door nears said door frame and said cam follower rides the surface of said cam from said cylindrical surface to said recess, door closing energy will be given up by said resilient cam follower.



2,584,405

PREPARATION OF SILICA-BORIA CATALYSTS CONTAINING ALUMINA OR MAGNESIA

James P. West, Westmont, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application December 27, 1949, Serial No. 135,293
16 Claims. (Cl. 252—432)

1. A process for the preparation of a hydrocarbon conversion catalyst which comprises effecting a metathesis reaction of an alkyl-orthosilicate, a boric acid ester and at least one metal salt selected from the group consisting of aluminum and magnesium salts in which the metal is joined to an organic radical through an oxygen atom of at least about 150° C. but below the normal decomposition point of said metal salt.

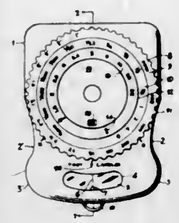
2,584,406

EXPOSURE METER DIAL STRUCTURE

Frederick P. Willcox, Vestal, N. Y.

Original application December 16, 1944, Serial No. 568,429, now Patent No. 2,437,774, dated March 16, 1948. Divided and this application December 6, 1946, Serial No. 714,610
5 Claims. (Cl. 235—64.7)

1. In a photoelectric exposure meter, a case of generally flat, rectangular shape having rounded rear corners, and with symmetrically disposed concavities on opposite longitudinal sides thereof, a plurality of discs mounted substantially centrally of one flat surface of said case, at least one of said discs having upturned serrations extending about its periphery and substantially tangent to the edges of said surface adjacent said concavities, said serrations being inclined to the surface of said case.

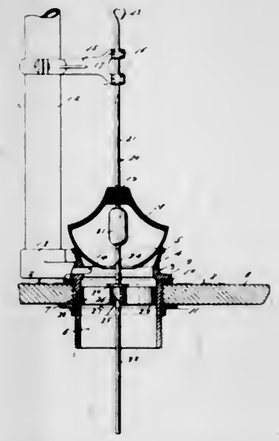


2,584,407

TANK BALL, STEM, AND GUIDE FOR WATER CLOSET TANKS

Dale R. Wittke, Minneapolis, Minn.

Application August 27, 1948, Serial No. 46,493
5 Claims. (Cl. 4—56)



1. A tank ball having a depending stem, a bushing affording a guide for the stem, and a circular spring insertable into a flush valve casing for yielding supporting contact with the internal wall of said casing, said spring having an inwardly projecting end portion provided at its inner end with a seat for the bushing.

2,584,408

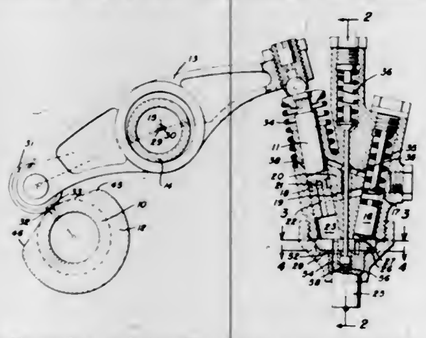
INJECTION PUMP FOR INTERNAL-COMBUSTION ENGINES

Julius E. Witzky, Royal Oak, Mich., assignor to the United States of America as represented by the Secretary of the Navy

Application June 5, 1948, Serial No. 31,232
5 Claims. (Cl. 299—107.2)

1. A fuel injection pump structure for high velocity injection of fuel into an internal combustion engine having a camshaft and a rocker arm shaft, said pump structure mounted on the cylinder head of said engine, comprising a pump body, an injection nozzle depending from said pump body and projecting through said cylinder head, a spring biased valve for control of fuel flow through said nozzle, a fuel inlet conduit in said pump body, a spring biased check valve for the

control of fuel flow through said inlet conduit, a fuel outlet conduit in said pump body, spaced chambers in said pump body, an adapter plate provided with an annular groove in its top surface, said plate positioned in said pump body below said inlet conduit and said spaced chambers so that said annular groove provides fuel flow communication therebetween, a spring biased plunger in one of said chambers, a rocker arm rotatably mounted on said rocker arm shaft, one end thereof bearing on the external end of said plunger, a cam mounted on said cam shaft bearing on the other end of said rocker arm, said cam contoured for a relatively rapid thrust, a relatively long period of dwell at the maximum



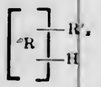
thrust and a relatively rapid return to the low position, a spring biased compensating plunger in the other of said chambers, adjustable stop means in said other chamber to limit the movement of said compensating plunger and a duct in said pump body communicating with said fuel outlet conduit and through ducts in said plunger with the space therebeneath whereby when said plunger is at the position of maximum thrust the injection of fuel through said nozzle is terminated and fuel oil under pressure flows from said inlet conduit through the ducts in said plunger, through the said duct in said pump body to said fuel outlet conduit to thereby effect a cooling of said pump body.

2,584,409
PREPARATION OF AROMATIC NITRILES
Vernon P. Wystrach, Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 27, 1950, Serial No. 140,960
8 Claims. (Cl. 260—465)

1. The process of preparing an aromatic nitrile of the formula

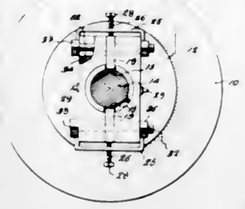


that comprises subjecting an aromatic compound of the formula



to the action of cyanogen chloride in the presence of hydrogen fluoride and recovering the thus-formed aromatic nitrile; R being an aromatic hydrocarbon residue, R′ being a member of the group consisting of hydrogen, alkyl, and alkoxy, and x being an integer.

2,584,410
ADJUSTABLE TRACTOR WHEEL MOUNTING
William G. Abney, Drexel, Mo., assignor of forty per cent to Stephen J. Hruska, Paola, Kans.
Application August 19, 1949, Serial No. 111,230
1 Claim. (Cl. 301—1)

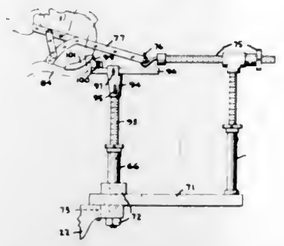


A device of the character described comprising, in combination, an axle having threads and a pair of longitudinally extending diametrically opposed keyways, a wheel hub threadably mounted upon said axle, a block extending inwardly from said hub and likewise threadably connected with said axle and having a pair of diametrically opposed slots therein, key plates reciprocally mounted in said slots and engageable in the keyways of the axle, means for radially moving said key plates with respect to the axle, transversely extending bolts removably mounted in said block and wedges formed in the sides of said bolts and adapted to bear against the outer ends of the key plates, said means including key slots in the outer ends of said key plates, clamp members affixed to the block and bolts threadably mounted in said clamp members and each having an inner head revoluble in said key slots and an outer nut-head affixed thereto.

2,584,411
PRODUCTION OF ALKALINE EARTH METAL HYDRIDES AND USE THEREOF IN REDUCING REFRACTORY OXIDES
Peter P. Alexander, Beverly, Mass., assignor to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts
No Drawing. Application September 8, 1948, Serial No. 48,338
4 Claims. (Cl. 23—204)

1. In the reduction of metal oxides by heating a mixture of an alkaline earth metal hydride and the metal oxide in a confined reaction zone, the improvement which comprises confining an intimate finely divided mixture of the metal oxide and an alkaline earth metal in the reaction zone, introducing hydrogen into the reaction zone, and applying heat externally to the reaction zone in amount to raise the temperature of the charge to a temperature sufficient to start reaction between the hydrogen and alkaline earth metal but less than that required to start reaction between the metal oxide and a hydride of the alkaline earth metal whereby the hydrogen is caused to react with the alkaline earth metal distributed throughout the charge to form the hydride of the alkaline earth metal and thereby cause exothermic heat to be generated internally at a multiplicity of points distributed uniformly in the charge in amount to raise the temperature of the charge to that at which the alkaline earth metal hydride reacts with said oxide.

2,584,412
OCCIPITAL PATIENT SUPPORTING DEVICE
Roger Anderson, Seattle, Wash.
Application July 26, 1949, Serial No. 106,953
4 Claims. (Cl. 128—71)



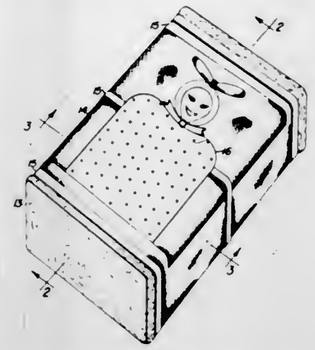
4. An occipital support on which the head of a patient may be supported for application of a plastic or a plaster cast which includes a head cast having a top opening out of which the head rest is adapted to be angularly removed after formation of the cast comprising a concave head rest, one end portion of which is adapted to extend over and terminate in the area of the convex curve of the occiput of a patient and the opposite end portion of which is adapted to extend toward and terminate in the area of the top of the head of a patient; and a bracket supporting member adapted to be connected to a suitable external supporting means, connected with said opposite end portion of said head rest and extending away from said head rest, whereby after formation of a cast, which includes a head cast having a top opening, the occipital support is adapted to be angularly removed generally following a path conforming to the curvature of the top of the head of a patient.

2,584,413
CLEANING AND POLISHING COMPOSITION
Maurice E. Baer, Boston, and Leo E. Concannon, Waban, Mass.; said Baer assignor to said Concannon
No Drawing. Application June 30, 1948, Serial No. 36,286
3 Claims. (Cl. 106—11)

1. A cleaning and polishing oil-in-water emulsion, comprising an oil phase consisting of 0.5 to 15% silicone oil and 75 to 10% volatile hydrocarbon solvent, 24.5 to 75% water, and 0.1 to 12% cationic emulsifying agent.

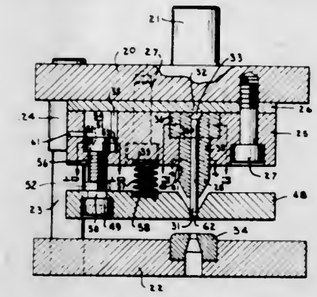
2,584,414
MINIATURE COTTON BALE RECEPTACLE
Pierre E. Bagur, New Orleans, La.
Application March 2, 1950, Serial No. 147,262
2 Claims. (Cl. 229—8)

1. A miniature cotton bale receptacle comprising an elongated cardboard box including a tubular body provided with end closure flaps and having rounded longitudinal corners, a sheet of raw cotton completely covering said box, a sheet of burlap disposed over said sheet of raw cotton except at the ends of said body, said body and said sheets having transverse slits in the top, near the ends of the box and a longitudinal slit extending across a major central portion of the front thereof defining three sides of a top closure section for the receptacle flexible upwardly and rearwardly to open position, and fragile bands disposed and adhesively secured about the burlap sheet adjacent the ends and intermediate the ends of the latter, the band intermediate the ends



of the burlap sheet securing said closure section in closed position.

2,584,415
PUNCH AND DIE SET
John Wilbur Barnett, Detroit, Mich.
Application January 15, 1947, Serial No. 722,097
16 Claims. (Cl. 164—124)



1. In a die punching assembly, the combination of a punch having a plurality of radially projecting retaining lugs, a punch retaining plate having a punch opening therein for the body of said punch, an annular lug receiving recess opening from said punch opening above the lower portion thereof, a plurality of axially extending lug receiving passageways within said punch opening and leading to said annular recess to permit separation of said punch from said punch retaining plate, means to prevent alignment of said lugs with said lug receiving passageways when said lugs are within said annular recess and including a key adapted to fit within one of said passageways and to project into said annular recess, and means to detachably secure said key within said axially extending passageway therefor.

2,584,416
DIPPER
Samuel J. Boehringer, Milwaukee, Wis.
Application April 1, 1949, Serial No. 84,928
1 Claim. (Cl. 214—145)

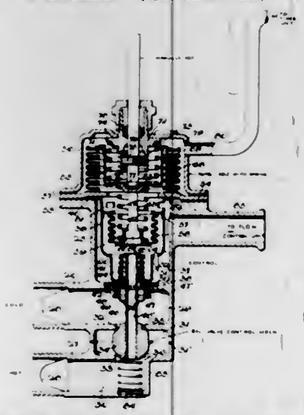
In a dipper, the combination of a front provided with upturned sides having lengthwise extending slots therein, and sides having lengthwise spaced portions fitting said slots and forming therewith lengthwise slidable tongue and groove connections to prevent separation of said sides and front, said slots in the front between

said spaced portions being open slots of a length greater than said spaced portions to permit removal of said front from said sides on relative movement of said parts the length of one set of said spaced portions, said front having abut-



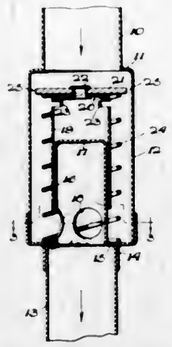
ments at one end of said slots engageable with the front ends of said sides to resist relative end thrust movement of said front and sides, and fastening means for holding said front and sides in assembled relation.

2,584,417
MIXING VALVE
Charles D. Branson, Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware
Original application November 27, 1946, Serial No. 712,643. Divided and this application February 20, 1948, Serial No. 9,795
8 Claims. (Cl. 236—12)



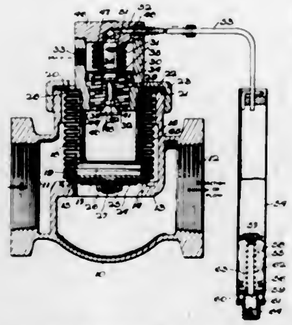
5. A mixing valve including a mixing chamber, a plurality of passages for conveying fluids to be mixed to said chamber, valve means for proportioning the respective flows of said fluids, a thermostat comprising an expansible and collapsible chamber filled with a liquid and operatively connected to said valve means, means for applying pressure to the liquid in said chamber to adjust said valve means, a chamber in which said thermostat is subjected to the temperature of the mixed fluid, a pressure motor operatively related to said thermostat and cooperable therewith for applying pressure to the liquid in said expansible and collapsible chamber for moving said valve means to a predetermined position independently of said means, said pressure motor including an expansible and collapsible chamber having a movable end wall, means operatively connected to said movable end wall and to said thermostat for transmitting the pressure in said pressure motor to the liquid in said expansible and collapsible chamber, and a conduit in communication with said pressure motor expansible and collapsible chamber through which fluid pressure is applied thereto.

2,584,418
CONSTANT FLOW VALVE
Charles D. Branson, Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware
Application April 19, 1948, Serial No. 21,799
5 Claims. (Cl. 137—152)



1. In a constant flow control valve, a supply pipe, a discharge pipe, a valve housing connecting said pipes, a closed extension of said discharge pipe in said housing in communication with said housing through a ported side, a valve element surrounding said extension and mounted for reciprocation thereon to vary the effective area of the port in said extension, a disk in the supply side of said housing secured to the end of said element and providing a predetermined orifice between its periphery and the walls of said housing, said disk having at opposite sides thereof substantially equal areas respectively subjected to the pressures on the supply and discharge sides thereof, and a spring surrounding said element and said extension and bearing upon said disk to urge said disk toward said supply pipe.

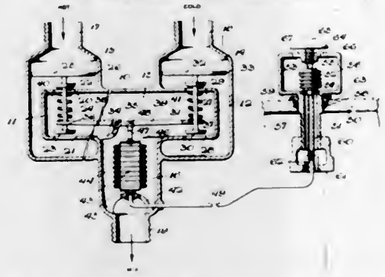
2,584,419
THERMOSTATICALLY ACTUATED PILOT OPERATED VALVE
Charles D. Branson, Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware
Application August 16, 1948, Serial No. 44,525
2 Claims. (Cl. 236—80)



1. In a device of the type characterized in combination with a main valve, an expansible and collapsible chamber having its movable wall operatively connected to said main valve and provided with a bleed opening, means providing a pilot port in communication with said chamber, and a pilot valve member cooperatively associated

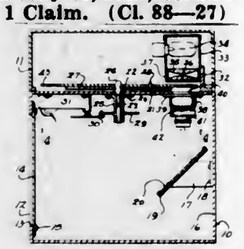
with said port, a thermostat including an expansible and collapsible motor vessel and a communicating bulb, a movable member associated with the movable wall of said motor vessel, a spring cooperating with said movable member to oppose movement of said member until said motor vessel has overcome the tension of said spring, and an operative connection between said movable member and said pilot valve member including a stem mounted on and movable relatively to said movable member and having a head for engagement with said movable member, and a second spring cooperating with said stem and movable member for normally holding said head in contact with said movable member.

2,584,420
MIXING VALVE
Charles D. Branson, Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware
Application October 4, 1948, Serial No. 52,688
16 Claims. (Cl. 236—12)



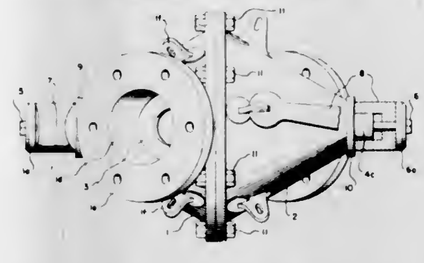
1. In a mixing valve, in combination with a housing providing a plurality of fluid inlet chambers and a mixing chamber, a valve mechanism associated with each inlet chamber for controlling the flow of fluid therefrom to said mixing chamber, a disk operatively connected to each valve mechanism and disposed in the associated inlet chamber, said disk providing an orifice of predetermined area, a spring associated with each valve mechanism and its disk for predetermining the pressure drop through the associated orifice, and a lever fulcrumed in said mixing chamber and cooperating with said springs to add increments of load to one of said springs or subtract increments of load from the other of said springs.

2,584,421
AUTOMATIC SLIDE PROJECTOR
George S. Brenchley and Sam Gorwitz, Oshkosh, Wis.
Application May 24, 1950, Serial No. 163,864
1 Claim. (Cl. 88—27)



A projector for picture discs including a cabinet, a projection screen forming part of a wall of said cabinet, a horizontal baseboard mounted within the upper portion of said cabinet, a turntable rotatable on said baseboard, a spindle fixed to said turntable and extending downwardly through said baseboard, a sprocket fixed to the lower end of said spindle, a laterally disposed sprocket wheel adapted for intermittent engagement with said sprocket, an apertured disc for film slides held on said turntable, a lamp housing disposed above said baseboard, a lamp therein, a pair of condensing lenses horizontally disposed in the lower end of said lamp housing, a projecting lens under said baseboard, said baseboard having an aperture between said lenses, a mirror obliquely disposed under said lens to reflect an image onto said projection screen, and means for intermittently rotating said sprocket wheel to operate said turntable.

2,584,422
MULTIPLE RATE VALVE
Edward A. Buckman, Los Angeles, and Terrill F. Morson, San Diego, Calif.; said Buckman assignor to said Morson
Application January 8, 1948, Serial No. 1,214
7 Claims. (Cl. 277—69)

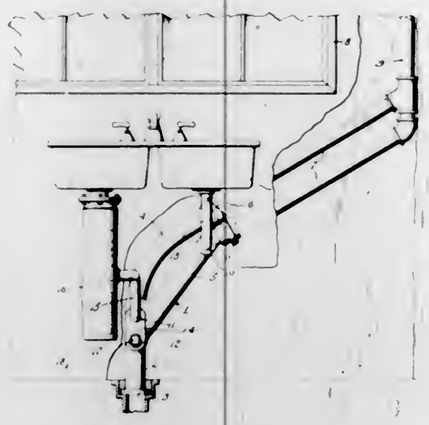


1. In a valve of the class described, the combination of a pair of opposed frusto-conical casings having converging bore portions, conical valve members each having a plurality of different sized inlet and outlet openings and revolubly mounted in said casings and having portions projecting from the small diameter end portions of said frusto-conical casings, each of said casings having an opening in the side wall thereof communicating with the outer side of one of said valve cones, cam arms having cam portions engageable with the small diameter ends of said casings and pivotally connected with the projecting portions of said valve cones for rotatably operating the same, said cam arms pivoted transversely of the axis of said conical valve members, whereby said cam portions force said conical valve members into the converging bore portions of said casings when pivoted on said axis transversely of said valve members.

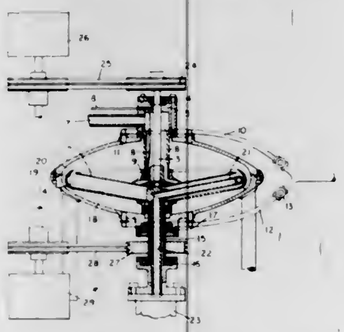
2,584,423
GARBAGE DISPOSAL AND SINK SOIL FITTING
William J. Collison, Pasadena, Calif.
Application October 24, 1949, Serial No. 123,235
1 Claim. (Cl. 285—210)

In an integral pipe fitting for use in connection with multiple sinks, a lower rectilinear pipe portion, a second pipe portion extending upwardly from the upper end of the lower portion and curved laterally therefrom, and a third pipe portion extending diagonally upward from the lower portion at a point below the junction of the lower portion and the second pipe portion, said pipe portions having their axes in the same plane and the second pipe portion being bowed away from the third pipe, said second and third pipe portions being united integrally at their upper ends and

provided with a hub leading to the second pipe portion and a hub leading to the third pipe portion, and said third pipe portion and said lower pipe portion each having a lateral opening at its upper end.



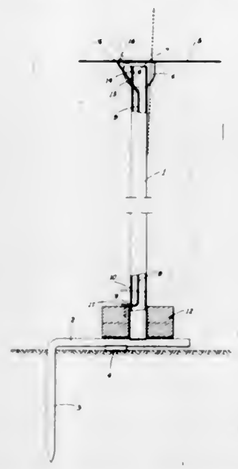
2,584,424
METHOD AND APPARATUS FOR TREATING FLUID MATERIALS
Mead Cornell, Cleveland, Ohio, assignor to The Cornell Machine Company, Cleveland, Ohio, a corporation of Ohio
Application October 26, 1946, Serial No. 705,904
12 Claims. (Cl. 260—417)



1. An apparatus for the purposes described comprising, a centrifugating member having an annular material supporting and conveying surface of which the generating element has an appreciable axial component smaller than its radial component, means for feeding material to the inner margin of said surface in the form of a continuous film, a rotatable coaxial open top collector surrounding the member in outwardly spaced relation and having a peripheral trough portion open toward the member for receiving the material projected therefrom, and means for rotating the member and collector.

11. The method of forming soap comprising continuously mixing the oil, fatty acid, and a caustic solution by centrifugally attenuating at high speed the rough mixture thereof into a film, continuously collecting the mixed material film and removing it by centrifugal force and then centrifugally attenuating it at a lower speed while subjecting it to subatmospheric pressure to vaporize and remove the water of reaction, continuously collecting the mixed material and removing it by centrifugal force and then centrifugally attenuating it to a film while subjecting it to subatmospheric pressure, until the material in the film changes into a semi-solid state.

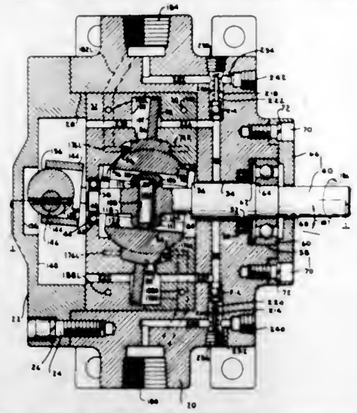
2,584,425
IRRIGATION SIGNAL
Robert Hadley Cox, Modesto, Calif.
Application July 10, 1950, Serial No. 172,916
3 Claims. (Cl. 116—118)



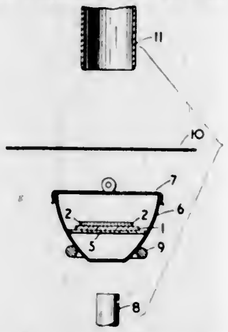
1. An irrigation signal comprising a post, a base assembly on the lower end of the post to support the same from the ground, a signal plate pivoted on the upper end of the post for gravitational swinging between a horizontal, non-signal position and a vertical, signal position, and the plate being pivoted in connection with the post in offset relation toward the edge of the plate which is uppermost when the latter is in vertical position, a control rod extending along the post, the top portion of the rod diagonaling out of the post upwardly and outwardly in the direction of said edge, a trigger hook on the upper end of the diagonal portion of the rod, a hole in the plate through which the trigger hook engages the plate to releasably latch the same in horizontal position, said hook being released upon upward motion of the rod, a ring-like float about the lower end of the post, and a connection between the float and rod.

2,584,426
VARIABLE DELIVERY VANE-TYPE HYDRAULIC PUMP
Neil Crane, Detroit, Mich., assignor, by direct and mesne assignments, to Eugene A. Casaroll, Detroit, Mich., as trustee
Application March 2, 1948, Serial No. 12,604
16 Claims. (Cl. 103—120)

1. In a rotor type pump including a rotor having an operative pumping portion and an external portion and also including a rotor housing, a pumping recess in said rotor housing, the pumping portion of the rotor being rotatable within said pumping recess, means to counterbalance forces on said rotor and including means to conduct pressure from said recess against portions of said rotor external to said recess, said external portions being spaced radially outwardly from the axis of rotation of said rotor and also being spaced radially outwardly from said pumping portion.



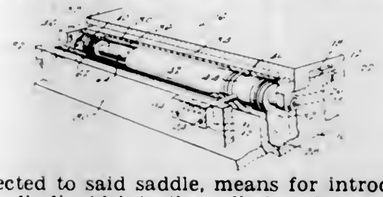
2,584,427
PROCESS OF SEALING GLASS TO SAPPHIRE
John L. Craston, Malvern, England
Application August 29, 1949, Serial No. 112,913
In Great Britain September 11, 1948
11 Claims. (Cl. 49—82)



1. A process for the high temperature sealing of a glass body to sapphire which includes the steps of placing in contact with the sapphire a small quantity of glass of substantially the same coefficient of linear thermal expansion as that of the sapphire and also having a melting point substantially as high as that of the glass body at the region of the seal, raising the temperature of the sapphire with the glass in contact with it to a temperature greatly in excess of the melting point of the glass until the surface of the sapphire to which the seal is to be applied is wetted by the glass lowering the temperature and bringing the glass body into contact with the wetted surface at a temperature such that the glass body adheres to the wetted surface without control of its shape being lost.

2,584,428
HYDRAULIC CYLINDER CONSTRUCTION AND MOUNTING ARRANGEMENT
Ralph E. Cross, Grosse Pointe Shores, Mich.
Application June 27, 1950, Serial No. 170,508
14 Claims. (Cl. 121—45)

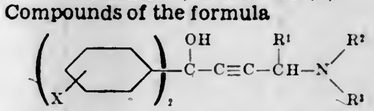
1. A cylinder mounting arrangement for actuating machine tool saddles comprising a machine tool base having a longitudinal bore, a saddle slidable on said base, a cylinder supported at opposite ends thereof in said bore, closures for the ends of the cylinder, one of said closures extending laterally of the cylinder and being fastened solidly to the base, an internal axial seat in the bore for the other of said closures, a piston mounted for reciprocation in said cylinder, a piston rod connected to and movable with said piston extending exteriorly of said cylinder and



connected to said saddle, means for introducing hydraulic liquid into the cylinder at one side of the piston through one of said closures, and means for introducing hydraulic liquid into the cylinder at the other side of the piston through the other of said closures including a hydraulic connector member having an outer head portion connected to the base and an inward extension disposed in interlocking engagement with said other closure.

2,584,429
1,1-DIPHENYL-4-TERT.-AMINO-2-BUTYNE-1-OLS
Willard J. Croxall, Bryn Athyn, Pa., and John W. Dawson, Huntsville, Ala., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 29, 1950, Serial No. 203,546
5 Claims. (Cl. 260—247.7)

1. Compounds of the formula



wherein R^1 is a member of the class consisting of hydrogen and alkyl groups of not over eight carbon atoms, R^2 and R^3 are alkyl groups of not over two carbon atoms when taken individually and when taken together R^2 and R^3 form a saturated divalent group from the class consisting of $-CH_2CH_2CH_2CH_2-$, $-CH_2CH_2CH_2CH_2CH_2-$, $-CH_2CH_2OCH_2CH_2-$, and $-CH_2CH_2SCH_2CH_2-$ groups, and X is a member of the class consisting of hydrogen, chlorine, bromine, an alkyl group of not over two carbon atoms, and the methoxy group.

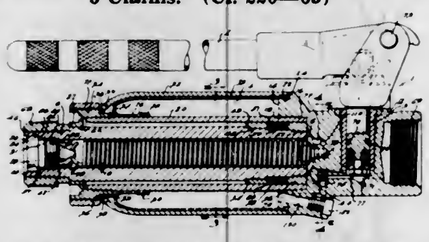
2,584,430
FISHHOOK HOLDER
Ervis B. Dayton and Audria P. Swem, Indianapolis, Ind.
Application June 4, 1949, Serial No. 97,182
2 Claims. (Cl. 43—25)

1. A safety device for concealing the hook portion of a line secured fish-hook, comprising a tubular casing having at least one open end, means for detachably securing said casing to the body of a fishing pole, a tension member slidably mounted within said casing and having such a length relative thereto that when in retracted position the upper end portion of said member normally projects beyond said casing for finger grip purposes, said member having hook anchor-

ing means formed therein substantially below said normally projecting portion, spring means interconnecting said member and said casing for normally biasing said member to a retracted position therewithin, said member and said casing having complementary interlocking means for holding said member in extended position in opposition to the tension of said spring means to facilitate hook connection to or removal from said member, and stop shoulders on said casing to stop the downward movement of said member.



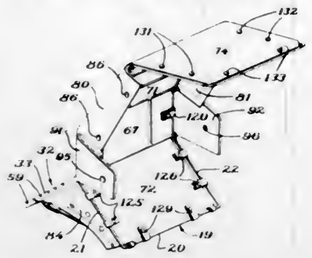
2,584,431
EXPANSIBLE WALL RECEPTACLE
Irwin E. Dearsley, Racine, Wis., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis., a corporation of Wisconsin
Application June 24, 1946, Serial No. 678,725
5 Claims. (Cl. 220—63)



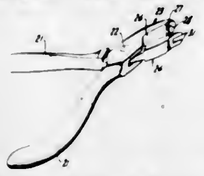
1. In a pump operated jack or the like, the combination of a cylinder, a wall at one end of the cylinder and projecting radially therefrom, a casing spaced from and surrounding the cylinder and slidably seated at one end on said wall to form a junction with said wall, a radial shoulder on the cylinder engages said casing and holds it seated on said wall, and a flexible bag inside said casing and surrounding said cylinder, fluid passage means in said wall opening into the interior of said bag, said bag having a marginal edge at one end fitted in said junction and clamped between the said one end of said casing and said wall, the other end of the bag being reduced in diameter and secured to said cylinder adjacent the other end thereof, said bag providing a variable volume reservoir for fluid.

2,584,432
COMBINED BEACH BAG AND SUNSHADE
Joseph C. De Marco, St. Paul, Minn.
Application December 4, 1948, Serial No. 63,550
9 Claims. (Cl. 135—7.1)

1. A combined bag and sunshade including a bottom frame, a pair of generally rectangular side wall frames pivotally connected to opposite sides of said bottom frame, and a leg unit pivotally connected to said bottom frame, covering material for said frames, said covering material including end flaps engageable in overlapping relation when said frames and leg unit are folded to bag-forming position, said bottom frame being positionable in a vertical plane, said one side wall frame and said leg unit being unfoldable so as to diverge downwardly from said bottom panel to a supporting surface, the other side wall frame being thereby positioned in spaced relation to said supporting surface and, with its covering material, serving as a sunshade, and means to secure said frames and leg unit in either sunshade or bag-forming position.



2,584,433
OPTICAL PLIERS
Frederick R. Diepen, San Jose, Calif.
Application June 1, 1948, Serial No. 30,226
1 Claim. (Cl. 81—3.6)



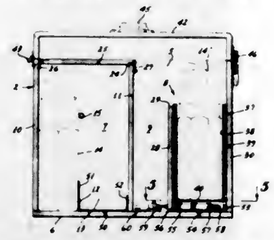
Optical pliers for both right-hand and left-hand use, comprising a pair of opposed jaws, one of said jaws having a transverse groove therein and a centrally disposed tapered longitudinal groove therein of less depth than said transverse groove and extending therefrom toward the end of the jaw, and the other of said jaws having a pair of thin spaced-apart fingers with the opening therebetween coinciding with said longitudinal groove and of a length to cross said transverse groove.

2,584,434
HAIR STRAIGHTENING MACHINE
Bertha A. Dodd, Hot Springs, Ark.
Application January 4, 1950, Serial No. 136,827
3 Claims. (Cl. 132—31)



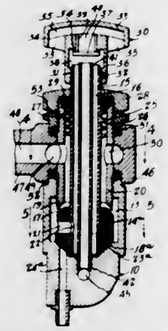
1. A hair treating machine comprising a frame, a hair clamping device at one end of the frame, a tensioning device rotatably mounted on the frame, said frame including side bars having longitudinal slots to receive the ends of the tensioning device, at least one of the slots having seat recesses for supporting the tensioning device in a plurality of positions spaced at different distances from the clamping device, interlocking elements at spaced intervals on the frame engageable with the tensioning device for holding said device from displacement and from rotation in any of such positions, and a heater applied to the frame to heat a strand of hair held between the clamping and tensioning devices.

2,584,435
BABY SUPPLY CABINET
Norman B. Doerr, Los Angeles, Calif.
Application November 30, 1946, Serial No. 713,368
6 Claims. (Cl. 257—10)



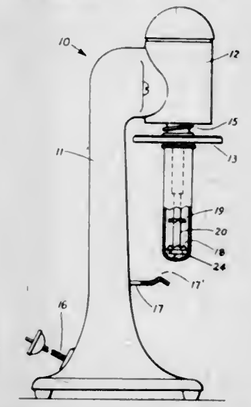
4. A supply cabinet comprising a box having an outer wall and an intermediate lengthwise partition shorter than the height of said box, an inner lid for the space between said partition and said wall, said space comprising a refrigerator space, a container for a refrigerant at the bottom of said space, said container having a flange parallel to said wall and spaced therefrom to receive the bottom portion of a row of bottles, a spring extending lengthwise of said space for supporting the tops of said rows of bottles, a metal receptacle in said box outside of said space for receiving one of said bottles, an electrical heater at the bottom of said receptacle, said receptacle being spaced from said partition to provide an intermediate space, an extension cord for said heater in said intermediate space, and an outer lid for said box.

2,584,436
VALVE DEVICE
Joseph G. Donaldson, Los Angeles, Calif., assignor of one-half to A. S. Van Denburgh, Los Angeles, Calif.
Application April 15, 1946, Serial No. 662,312
10 Claims. (Cl. 277—55)



1. A valve assembly having a fluid inlet and a fluid outlet communicating with a valve chamber, a valve seat therein, a movable valve element adapted to contact said seat to form a seal, actuating means for moving the valve element with respect to said seat comprising an upwardly extending valve member having a longitudinal passageway therein, means for establishing communication between the longitudinal passageway and the valve chamber, means for introducing fluid into the upper end of the longitudinal passage including a relatively stationary inlet tube within the passage, a port leading to atmosphere from a location near the upper end of said member, the upper end of the tube being below the port, walls forming a recess connecting the tube and the port, an auxiliary valve mounted for vertical movement within the recess actuated by pressure of fluid within the inlet tube normally adapted to close the port, said auxiliary valve being adapted to open the port to establish communication from the inlet tube to atmosphere through the port upon failure of pressure of the fluid, and means for introducing fluid into the lower end of the inlet tube.

2,584,437
SANITARY COVER FOR DRINK MIXERS
Charles H. Douglass, Eureka, Kans.
Application August 31, 1950, Serial No. 182,524
6 Claims. (Cl. 259—1)

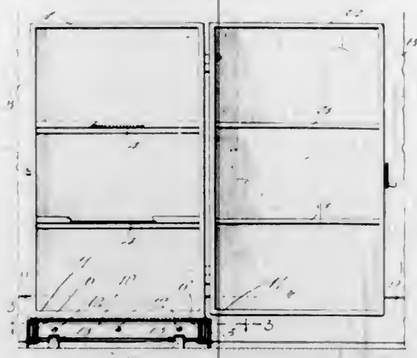


1. A sanitary cover for the agitator and agitator drive shaft of a drink mixer having at least one component part of magnetizable material, comprising a tubular member of non-magnetic material open at one end and closed at the other and adapted to receive therein through the open end thereof the mixer agitator and drive shaft, the open end of the tubular member lying in a single plane, and a body of permanently magnetized material arranged at one end of the member and affixed thereto, said body and said part being adapted, when the mixer agitator and drive shaft are received within the member, to establish a magnetic holding relation therebetween whereby the member is supported about and encloses the mixer agitator and drive shaft.

2,584,438
WALL CABINET AND SUPPORT THEREFOR
Philip L. Du Boff, New York, N. Y., and Thomas H. Dooley, Bayonne, N. J., assignors, by mesne assignments, to Philip L. Du Boff, Scarsdale, N. Y.
Application March 31, 1949, Serial No. 84,655
2 Claims. (Cl. 312—245)

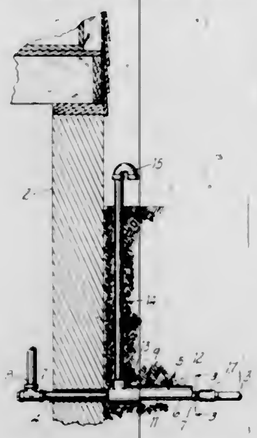
2. In combination, a cabinet open at its front, a base portion for said cabinet open at its rear and having a front wall and side walls, the side walls being formed with tubular channels extending transversely of the side walls and open at their rear ends, a door hinged to said cabinet along one side of the open front thereof and movable outwardly to an open position, said door being provided with article-supporting means across its inner surface, and a bracket adapted to be secured horizontally against a wall of a room at the level of the base portion of the cabinet and having forwardly projecting arms spaced from each other and freely slidable into and out of said channels through the rear ends

thereof and when disposed within the channels serving to prevent the cabinet from being over-



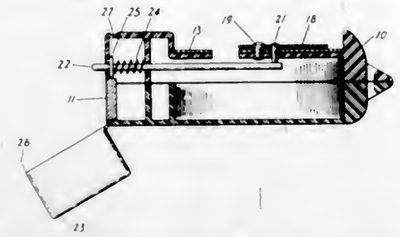
turned forwardly by the weight of the door and articles carried by the door when the door is in its opened position.

2,584,439
SAFETY FIXTURE FOR GAS SERVICE PIPES
John E. Dustin, Kalamazoo, Mich.
Application July 1, 1947, Serial No. 758,309
2 Claims. (Cl. 48—193)



1. A gas pipe entrance fixture comprising a length of pipe adapted to extend through a foundation wall and having threaded coupling portions on each end thereof, a sleeve of larger diameter than said pipe positioned around said pipe intermediate of the ends thereof and having one closed end welded to said pipe near the center of the pipe, the other end of said sleeve being cut away longitudinally to provide an overhanging hood of substantial length, said hood being relatively long as compared to the distance between the opposite side walls thereof, the opposite side walls of the hood from approximately the outer end of the hood to the inner end thereof extending substantially below the level of the top of the pipe to facilitate collection of gases throughout substantially the entire length of the hood and conduction of the same into the sleeve, lugs projecting radially inwardly from the open end of said hood and the open end of said sleeve to center said pipe in said sleeve, and a coupling portion on the top of said sleeve near the closed end thereof adapted to receive a vent pipe.

2,584,440
EXPOSURE METER
Marlin E. Fogle, West Orange, N. J.
Application May 9, 1946, Serial No. 668,443
5 Claims. (Cl. 88—23)



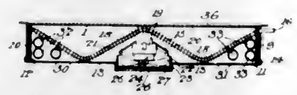
1. An exposure meter of the type comprising an electrical instrument actuated by a photocell in response to the intensity of light striking said photocell, a baffle movable through manually controlled means into and out of operative position with respect to said photocell for controlling the view angle thereof, and a calculator device having one calculator member mechanically movable from one to the other of two predetermined positions and having thereon an appropriate scale of range of one exposure factor, and a second calculator member having thereon an appropriate scale of range of another exposure factor, said second calculator member being manually settable in conformity with the light intensity value indicated by said photocell electrical instrument and thereby to correlate the exposure factors on the two scales, and mechanical means associated with the mechanically movable calculator member and operative upon movement of the baffle from one to the other of its positions with respect to the photocell, to displace the said mechanically movable calculator member from one to the other of its predetermined positions, at which the said scales of exposure factors on said members will be thereby correlated to the change in view angle, when said manually settable member is reset to conform to the new light intensity value indicated by said photocell electrical instrument.

2,584,441
VIEWING SCREEN
Gordon L. Fredendall, Feasterville, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 3, 1946, Serial No. 666,905
1 Claim. (Cl. 88—28.93)



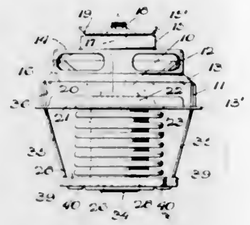
A screen for viewing television images and the like, comprising a moldable sheet of translucent material having dispersed therein a plurality of thin, flat opaque particles arranged so that the flat surface of each particle is substantially perpendicular to the surface of the sheet, and further arranged so that the angles formed by the planes of the surfaces of adjacent particles vary between zero and 180°, whereby light which impinges the surface of the sheet is substantially prevented by the opaque nature of particles from being diffused in all directions except that substantially perpendicular to the surface of the sheet appreciably beyond the boundaries of the surface area actually impinged by the light.

2,584,442
EVAPORATING UNIT FOR HEAT EXCHANGE APPARATUS
George Frie, Trenton, N. J., assignor to Kramer Trenton Company, Trenton, N. J., a corporation of New Jersey
Application November 13, 1947, Serial No. 785,695
5 Claims. (Cl. 257—137)



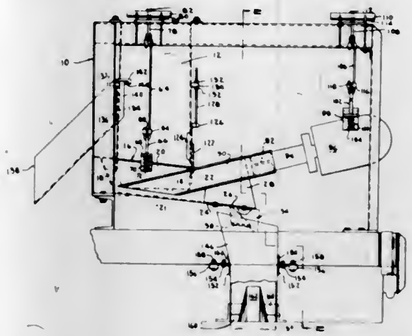
4. An evaporator unit for refrigeration apparatus designed for installation in coolers of the reach in or reach down type comprising, a horizontally elongated casing adapted to be bodily incorporated in such coolers, a face plate therefor, an evaporator coil having tubular runs arranged in vertical alignment positioned within the casing, said coil being bent into a formation of W shape when viewed in plan with two apices of the W adjacent the face plate and one apex and two ends of the W adjacent the back of the casing, said face plate having an opening located between the said apices of the coil that are adjacent the face plate, a fan mounted at said opening and supported by said face plate, a fan motor also supported by said face plate within the casing, and air outlets at both ends of said casing for permitting outflow of air through the ends, bottom and face plate thereof.

2,584,443
MOUNTING MEANS FOR BELLOWS TYPE THERMOSTATICALLY OPERATED VALVE MECHANISMS
Jean V. Giesler and Paul E. Cate, Knoxville, Tenn., assignors to Robertshaw-Fulton Controls Company, Knovxille, Tenn., a corporation of Delaware
Application February 9, 1948, Serial No. 7,188
5 Claims. (Cl. 236—34)



1. In a temperature regulator of the type including a supporting member, a valve mechanism and a thermostat for operating said valve mechanism, means for attaching said thermostat to said supporting member including a mounting member provided with a centrally arranged aperture and slots defined by outwardly extending tabs, said thermostat including a tubular extension projecting into and having a flattened upset in said aperture, and strap-like elements secured to said supporting member and having their opposite ends projecting through said slots provided on said mounting member with said tabs bent into engagement with said opposite ends of said strap-like elements and said opposite ends being bent into engagement with said mounting member to lock said strap-like elements to said mounting member.

2,584,444
VIBRATING INCREMENTAL MOLD CHARGER OR FEEDER
Walter A. Grueneberg, Saginaw, Mich., assignor to Jackson & Church Company, Saginaw, Mich., a corporation of Michigan
Application June 3, 1948, Serial No. 30,903
7 Claims. (Cl. 198—220)

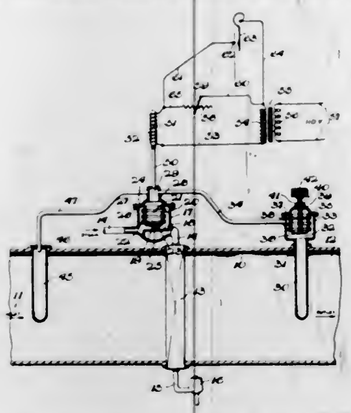


4. In a vibrating mold charger adapted for charging an open top mold from above with a moldable mix, the combination of a vibrating three-sided mix receiving tray having an open discharge edge and having a bottom inclined toward said discharge edge, a feed hopper for feeding said mix to said tray, means to effect an intermittent flow of mix along the inclined bottom of said tray to the discharge edge thereof and comprising selectively controlled vibrator means operatively connected with said tray for intermittent vibration thereof, and distributor means disposed below the discharge edge of said tray for receiving the mix therefrom and for distributing the mix as required to a mold disposed below said distributor and comprising a vibrating grating adapted for vibration with said tray, the openings of said gratings being adapted in size to permit passage of said mix only upon vibration of said grating and pyramidal deflector means positioned above said grating and adapted to direct said mix into the openings in said grating, the discharge edge of said tray being disposed immediately above the apices of said pyramidal deflector means.

2,584,445
TEMPERATURE CONTROLLER FOR AIR-CONDITIONING SYSTEMS
William J. Hajek, Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware
Application February 16, 1948, Serial No. 8,616
8 Claims. (Cl. 236—37)

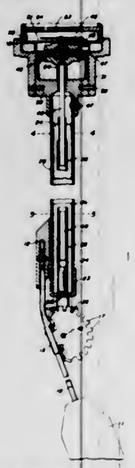
1. In a temperature regulator for an air conditioning system of the type including an air duct, a heat exchanger therewith and means including a valve mechanism for supplying heating medium to said heat exchanger, the combination of an expansible and collapsible chamber operatively connected to the valve and having means associated with said chamber whereby said chamber is heated, a container for a vaporizable liquid in communication with said chamber and subjected to the temperature of the air leaving said heat exchanger, and means for predetermining the temperature to be maintained in the space to be conditioned including a second container for said volatile liquid in communication with said chamber, an electric heater associated with said last named container, an electric circuit con-

nected to said heater, an adjustable resistance in said circuit for varying the temperature at said second container, and means responsive to a pre-



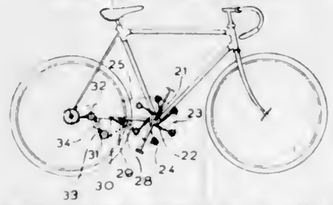
determined temperature in said space for discontinuing the control of said adjustable resistance and increasing the temperature of said heater.

2,584,446
LIQUID LEVEL GAUGE
Warren W. Hastings and Reidar A. Tollefsen, Brighton, N. Y., assignors to Rochester Manufacturing Company, Rochester, N. Y., a corporation of New York
Application July 1, 1948, Serial No. 36,465
3 Claims. (Cl. 73—317)



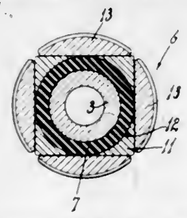
2. In a liquid level gauge, a column comprising two tubular parts one of which telescopes into the other, a float arm pivotally mounted on one part of said column, a graduated dial carried by another part of the column, a pointer movably mounted on said other part of the column and adapted to register with said dial, a telescoping shaft rotatably mounted in the two parts of the column, said shaft comprising two parts one of which is polygonal in cross section and the other of which is tubular but of corresponding polygonal cross-section to receive and closely fit the first, so that rotation of one part of said shaft is transmitted to the other part thereof, one part of the shaft being connected to said float arm to rotate on movement of the float arm and the other part of said shaft being connected to said pointer to move the same on rotation of the shaft, means connecting one part of the shaft to one part of the column so that the two move axially together, whereby the shaft adjusts telescopingly on telescoping adjustment of the column, one part of the column being grooved longitudinally, and a tongue carried by the other part of the column and engaging in said groove to prevent rotation of the two parts of the column relative to one another during axial adjustment thereof.

2,584,447
VARIABLE-SPEED CHAIN DRIVING DEVICE
Louis Adolphe Hayot, Paris, France
Application September 3, 1947, Serial No. 771,880
In France September 13, 1946
17 Claims. (Cl. 74—217)



1. A chain driving device for a shaft driven by a driving shaft in which the driving shaft drives the chain through flexible elements constituted by stepped or banked spring blades, the relative sliding of which is counteracted by means for the abutment of the extremities of the blades in various staggered relations of said blades, to which correspond various modulus of section in a section of said flexible elements.

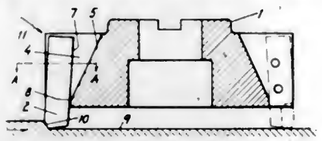
2,584,448
PACKER AND SLIP ASSEMBLY EXPANDED BY INTERNAL PRESSURE
Carl Hern, Whittier, Calif.
Application January 29, 1949, Serial No. 73,472
2 Claims. (Cl. 166—12)



1. In a slip assembly a tubular mandrel, said mandrel having holes extending through the wall thereof, an elastic sleeve surrounding said mandrel, a plurality of elongated slips circumferentially spaced around the sleeve, wedge strips arranged between the sleeve and the slips, each wedge strip engaging the sleeve and two adjacent slips whereby said slips are cammed outwardly on dilation of the sleeve.

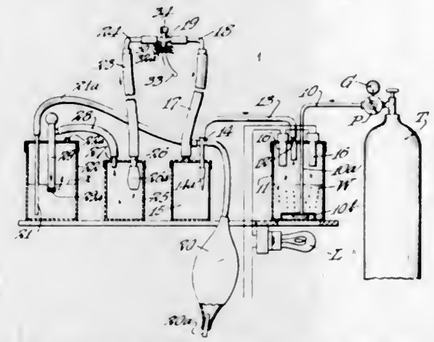
2,584,449
END MILL CUTTER
Stig Per Gustav Höglund, Sandviken, Sweden, assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden
Application September 10, 1947, Serial No. 773,096
In Sweden October 4, 1946
5 Claims. (Cl. 29—105)

1. An end milling cutter of the type comprising a cutter body having a plurality of circumferentially spaced grooves, cutting tools mounted in said grooves, and means for clamping each of said cutting tools against only one side wall of the groove, the side of the tool facing the bottom of the groove resting on the cutter body at one



point only near the front end, or head, of the tool, while the rear end of the tool is spaced away from the bottom of the groove, the tip of the tool thus being adjustable radially as well as axially in relation to the cutter axis.

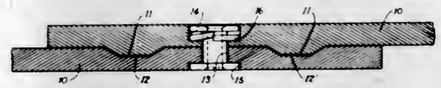
2,584,450
TRACHEOTOMY INHALER APPARATUS
George W. Holt, Minneapolis, and William G. Kubicek, Rosemount, Minn., assignors to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application September 2, 1947, Serial No. 771,678
16 Claims. (Cl. 128—203)



3. Apparatus for applying oxygen therapy with humidification for respiration, having in combination an inspiratory conductor system and an expiratory conductor system, a connector fitting for application to the patient, having branch passages for connection of terminals of both of said systems, said inspiratory system including a terminal connection for communication with a source of oxygen-laden gas under pressure, a humidifier for moistening gas passing through said inspiratory system, means for collecting condensation moisture prior to inspiration and means for adjusting pressure supplied in said inspiratory system and a check valve to preclude expiration therethrough, said expiratory system having a discharge provided with adjustable means for building back pressure therein and a check valve for precluding inspiration therethrough.

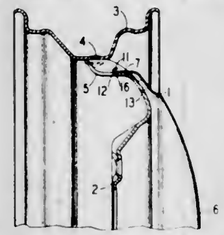
2,584,451
LATCH AND PIVOT FOR FOLDING RULES
Robert Ewing Hopp, Poughkeepsie, N. Y., assignor to Carlton B. Fitchett, Poughkeepsie, N. Y.
Application January 29, 1949, Serial No. 73,649
9 Claims. (Cl. 287—101)

1. A latch and pivot structure of the class described comprising a pair of rigid flat section members having overlapping end portions, a hinge pin having upset ends arranged through the overlapped portions of the members whereby the said members are pivotally connected, a pair of rigid raised symmetrical surfaces having sloping sides extending from each surface to the body formed on one of the members on one face thereof, a pair of depressed surfaces having sloping sides formed in the body of and on the adjacent face of the other of the said members, said sloping sided depressed surfaces having a configura-



tion complementary to and interfitting with the said sloping sided raised surfaces, the units of the said complementary pairs of raised and depressed surfaces being spaced equidistant from the hinge pin on opposite sides thereof and along the central longitudinal axis of each of the members, and a tension means interposed between one upset end of the said hinge pin and the adjacent face of one of the said members.

2,584,452
VEHICLE WHEEL COVER
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application June 4, 1949, Serial No. 97,203
5 Claims. (Cl. 301—37)

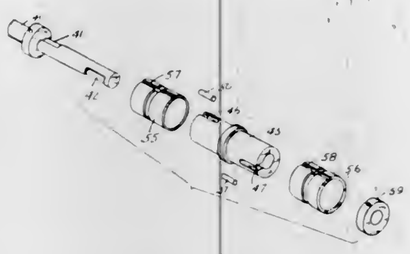


3. A convex sheet metal cover for a vehicle wheel body, said cover having at least two substantially diametrically opposed resilient tabs extending generally axially from the peripheral edge of said cover, each tab having one portion of its outer edge turned radially inwardly to form a finger adapted to interengage an edge portion of the wheel body whereby the interengagement of the opposed tabs with the edge of the wheel body secures the cover to the wheel, at least one of said tabs having another edge portion bent radially outwardly and axially over said tab to form a socket adapted to receive a tool for flexing the tab generally in a radially outward direction to disengage the tab from the edge of the wheel, and elastic means adapted to be placed under compression between the wheel body and the cover to exert an axial thrust against the cover to thereby yieldably retain the radial fingers in interengagement with an edge of the wheel body.

2,584,453
REEL DRIVING DEVICE
Paul L. Hoover, Cleveland, Ohio, and Donald A. Brunton, Needham, Mass.
Application October 18, 1947, Serial No. 780,652
2 Claims. (Cl. 242—55)

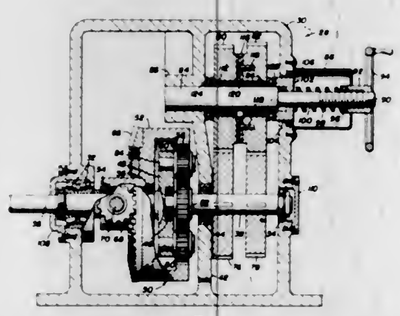
1. A unitary driving mechanism for a plurality of oppositely run reels comprising, a reversible shaft having cam grooves spaced axially therein, a sleeve on said shaft and having a length sufficient to cover said grooves, said sleeve having

radially extending slots therein in registration with the respective grooves, a roller in each slot, said rollers acting to key the sleeve to the shaft, auxiliary sleeves axially spaced over said slots on the first-mentioned sleeve and providing a clutch surface for the rollers and operating to retain the rollers in the respective slots, each



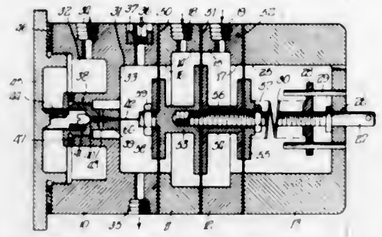
of said reels having a driving connection with one of the auxiliary sleeves, the diameter of each of said rollers being greater than the wall thickness of the first-mentioned sleeve, but less than the distance between the inner wall of the auxiliary associated sleeve and the deepest portion of the associated groove in said shaft.

2,584,454
BRAKE FOR PLANETARY DRIVES
Charles W. Howard, Franklin, Ohio
Application January 5, 1949, Serial No. 69,378
1 Claim. (Cl. 188—1)



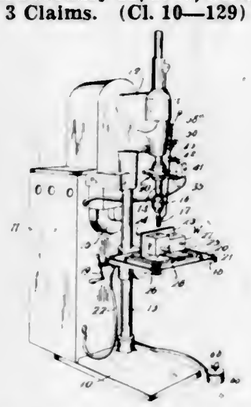
In a planetary gear type variable speed drive, the combination of a spindle, a stationary countershaft, a pair of primary gears secured to said spindle, a pair of secondary gears slidable and independently rotatable on said countershaft and meshing with the respective primary gears, the ratio of the meshing primary and secondary gears in one set being different from that in the other set whereby said secondary gears are rotated at different speeds, a friction disc secured to one of the secondary gears and engageable with the other secondary gear, an end portion of said countershaft being screw threaded, and means for urging said secondary gears together, said means comprising a pressure exerting member slidable on the countershaft and engaging one of the secondary gears, a screw-threaded control element rotatable on the screw-threaded portion of the countershaft, and a compression spring interposed between said element and said pressure exerting member.

2,584,455
PNEUMATIC TELEMETERING TRANSMITTER
Walter J. Hughes, Chicago, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application August 5, 1947, Serial No. 766,323
5 Claims. (Cl. 137—153)



1. Apparatus for balancing by pneumatic pressure within a predetermined range a differential of two applied forces comprising a hollow casing, a diaphragm associated with said casing and forming therewith a controlled pressure chamber, a controlled air port from said chamber, a constantly open air vent from said chamber, an air inlet chamber, an air supply inlet into said inlet chamber, a passageway from said air inlet chamber to said controlled pressure chamber, a valve associated with said passageway and so constructed as to be held in closed position by the force of supply air in said inlet chamber, means for positioning said valve from movement of said diaphragm, means forming in said casing a high pressure chamber and a low pressure chamber, diaphragms associated with said high and low pressure chambers, pressure inlets into said high and low pressure chambers, spacing means between said last mentioned diaphragms, means for applying any resultant force on said spacing means against the diaphragm associated with said controlled air pressure chamber, and an adjustable bias to equalize the force of supply air opposing opening of said valve.

2,584,456
MACHINE TOOL
Marion W. Humphreys, Euclid, Ohio
Application February 11, 1948, Serial No. 7,651
3 Claims. (Cl. 10—129)



1. A machine tool of the character described comprising a spindle mounted for rotation and axial movement, a reversible electric motor operatively connected with said spindle to effect movement thereof, means on said spindle adapted to support a tool for movement therewith to thereby effect a machining operation upon a workpiece, a non-rotatable support connected with said spindle for axial movement therewith, a feeler member frictionally mounted on said support for axial movement therewith and relative thereto with a portion of said feeler member positioned to contact a workpiece adjacent the region thereof in which the tool carried by said spindle effects a machining operation, electrical switch means mounted on said support adjacent said feeler member, means operatively connecting said switch means to said motor in a manner to reverse the direction of rotation of the latter upon actuation of the former, means on said feeler member adapted to engage and operate said switch means upon relative movement between said feeler member and spindle as the result of engagement of said feeler member with said workpiece and continued axial movement of said spindle thereby terminating the machining operation when the tool has moved inwardly from the surface of the workpiece a predetermined distance, the said feeler member having a passageway therethrough terminating in an opening adjacent the lower end thereof, and cutting fluid supplying means in communication with the said passageway in the feeler member whereby the latter serves both to control the machining operation and conduct cutting fluid to the workpiece and tool.

2,584,457
LAP PIN AND CALENDER RACK
Fred Hunter, Lancaster, S. C., assignor to Precision Gear & Machine Company, Charlotte, N. C., a corporation of North Carolina
Application November 9, 1946, Serial No. 709,038
3 Claims. (Cl. 19—162)

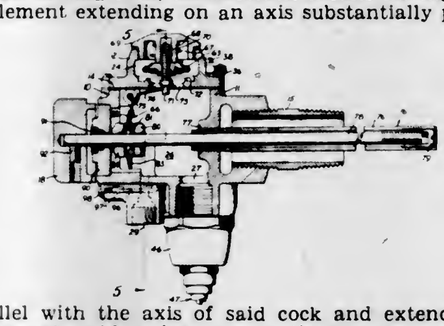


3. A lap pin for pickers comprising a shaft, a sleeve member surrounding an intermediate portion of the shaft and adapted to receive a lap of fibers, the inside diameter of the sleeve being substantially greater than the outside diameter of the shaft, anti-friction bearings disposed between the shaft and the ends of the sleeve member, said shaft having a longitudinally extending bore extending from one end thereof for a distance greater than the length of the sleeve but stopping short of the other end of the shaft for reception of a smaller pin.

2,584,458
THERMOSTAT SAFETY CONTROL
James H. Hurlbut and Charles R. Heininger, Stockton, Calif., assignors, by mesne assignments, to Robertshaw-Fulton Controls Company, Greensburg, Pa.
Application January 14, 1946, Serial No. 641,037
3 Claims. (Cl. 236—21)

1. Control apparatus for gaseous fuel burners having main and pilot burners, comprising a casing having an inlet and a pair of outlet openings, one said outlet opening being adapted for connection to the main burner and the other said outlet opening being adapted for connection to the pilot burner, a main shut-off cock positioned in said casing between said inlet and said outlet openings and rotatable to a full-open position for supply of fuel to both the main and pilot burners, said cock having a pilot position wherein supply of fuel to the main burner is prevented,

electromagnetic safety means biased to a position for preventing flow of fuel through at least the outlet opening connected to the main burner, thermoelectric means responsive to a flame at the pilot burner for energizing said safety means for holding the same in a position wherein said fuel flow is permitted, reset means positioned adjacent one end of said cock and coaxial of said safety means for movement transversely of the axis of said cock, thermostatic means having an element extending on an axis substantially par-



allel with the axis of said cock and extending through said casing, snap-action means operatively connected to said element intermediate the ends thereof, a control valve member movable between positions by said snap-action means on an axis substantially parallel with said safety means and in response to conditions established by operation of the main burner, and individual adjusting means for said element of said thermostatic means and for said cock respectively and being positioned exterior of said casing in side-by-side relation.

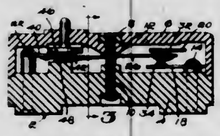
2,584,459
MACHINE FOR PLACING CONCRETE AND THE LIKE
Corwill Jackson, Ludington, Mich., assignor to Jackson Vibrators, Inc., Ludington, Mich., a corporation of Michigan
Application January 6, 1947, Serial No. 720,364
13 Claims. (Cl. 94—48)



1. In a machine of the class described, the combination of an elongated plank-shaped vibratory member of wood disposed vertically edgewise, said vibratory member constituting means for supporting forwardly thereof a substantial mass of material treated as it is advanced against the same, a motor provided with an unbalanced rotor mounted on the rear side and centrally of the vibratory member with its axis disposed longitudinally thereof, front and rear wheel supporting brackets resiliently mounted on the front and rear sides of said vibratory member adjacent the ends thereof, wheels carried by said brackets and acting to support said vibratory member in upright position, and weights disposed adjacent the upper edge of the vibratory member provided with clamps for adjustably securing them adjacent the upper edge of the vibratory member, the weights being supportingly carried by said vibratory member be-

tween the rotor and the opposite ends of the vibratory member and in substantially spaced relation from said rotor and opposite ends to counteract the tendency of portions of the vibratory member to vibrate with greater amplitude than other portions thereof and to counteract the vibration dampening effect of the material treated as the vibratory member is advanced against the same.

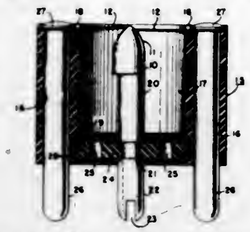
2,584,460
SNAP ACTION SWITCH
Philip C. Jacobs, Jr., Newtonville, Mass., assignor, by mesne assignments, to The Acro Manufacturing Co., Columbus, Ohio
Application December 24, 1947, Serial No. 793,687
7 Claims. (Cl. 200—67)



1. A snap action switch comprising a base, a pair of spaced contacting members at one end of said base, a support at the other end of said base, said support having rigidly affixed thereto a switch blade, said blade comprising a movable elongated body portion having contacts on opposite sides of the end thereof, which contacts are positioned between said spaced contacting members, a pair of legs extending from said body portion, the ends of said legs being secured to said support, a tongue extending from said body between said legs and being movable at its free end, said body having a single stressed area with a compound curvature adjacent said tongue and extending into said legs a limited distance, said stressed area being remote from said contacts so that in stable position one of the said contacts on the end of said body will press against one of said spaced contacting members, means for applying a force against that side of the tongue which is opposite the contact and contacting member that are normally in engagement whereby said tongue may be moved to cause said stressed area to reverse itself and to cause said normally engaged contact and contacting member to separate and the other of said contacts on said body to engage the other of said spaced contacting members, said other of said spaced contacting members being located to hold said body portion in unstable position, whereby when said force is partially removed from said tongue said stressed area and body of the blade will return to stable position.

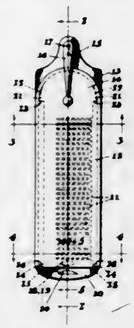
2,584,461
ELECTRICAL CRYSTAL-CONTACT DEVICE
Emrys Gwynne James and Aubrey Oscar Edgar Lindell, Wembley, England, assignors to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application May 10, 1950, Serial No. 161,124
In Great Britain June 14, 1949
10 Claims. (Cl. 175—366)

1. An electrical crystal-contact device comprising: a semiconducting crystal-contact element including a tapered portion; a metallic-contact element including a portion having a sharp edge conditioned to engage said tapered portion; and a support for said elements including means adjustable at least during the assembly of said device for maintaining said edge in engagement with said tapered portion to provide a single point of contact therebetween at each position of adjustment of said means and for providing at least during said assembly relative movement between



said elements effective to determine the point of contact therebetween at said each position of adjustment and to establish the contact pressure at said determined point of contact.

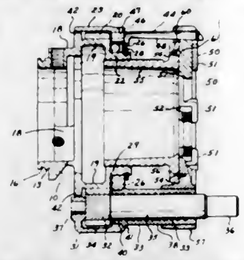
2,584,462
POCKET COMB
John N. Jamo, Grand Rapids, Mich.
Application January 31, 1949, Serial No. 73,710
1 Claim. (Cl. 132—15)



A pocket comb comprising the combination of an elongated comb element of generally oblong cross-section and a sheath generally conforming to the shape of the comb and adapted to house the comb and having one end thereof closed and the other end thereof open to slidingly receive said comb therein; a pair of oppositely and laterally outwardly projecting detents on the inner end of the comb; and a pair of oppositely and laterally inwardly projecting detents in the sheath near the open end thereof; said pairs of detents having cooperable surfaces converging toward the closed end of the sheath and adapted to permit insertion of the comb within the sheath and one of said pairs of detents being slightly resilient to permit such insertion, and said pairs of detents having other surfaces, which, after the comb is inserted within the sheath, are adapted to positively abut to prevent complete withdrawal of the comb from the sheath.

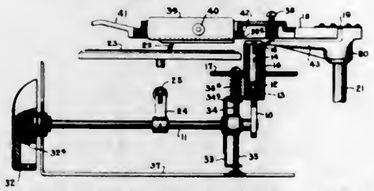
2,584,463
THREADING DIE
Carl H. Ingwer and Clyde E. Wright, Elyria, Ohio
Application September 23, 1946, Serial No. 698,667
2 Claims. (Cl. 10—120.5)

1. A thread cutting tool including a work holder, a ring gear integral with the work holder and a barrel extending from said ring gear, a housing rotatably journalled on said barrel and having a guard portion surrounding the ring gear, ring means affixed to said barrel for securing the housing on said barrel, a pinion housing formed on said housing opposite the periphery of the ring gear, chaser posts carried by said housing, a bearing sleeve formed for threaded engagement with said pinion housing and a shaft journalled in said sleeve and having a pinion thereon adapted for driving engagement with said ring gear, a chaser carrying housing formed with radially extending chaser channels, and



chasers in said channels, a circular recess formed in said housing and a threaded barrel having a flange secured in said recess and closing said chaser channels, friction means carried by said flange and frictionally engaging said chasers, said barrel being in threaded engagement with said work holder barrel and said chaser posts extending through said housing and in controlling engagement with said chasers.

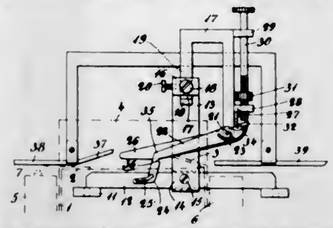
2,584,464
PROTECTIVE GROOVE DICTATING APPARATUS
Edward P. Johnson, West Haven, and Frank E. Runge, Branford, Conn., assignors to The Soundscriber Corporation, New Haven, Conn., a corporation of Connecticut
Application December 31, 1947, Serial No. 794,880
7 Claims. (Cl. 274—1)



1. In an apparatus for producing a blank protective groove upon a phonographic record prior to the recorded section thereof, a groove-forming mechanism, means for placing said mechanism in operating condition comprising a "talk" lever, a record-driving motor, a motor control switch, a time-controlled means independent of said record-driving motor, means responsive to the swinging of said lever to "talk" position to close said switch for a predetermined time interval, and start said motor and set said time control means into operation, and means responsive to said time-control means to stop said motor after the lapse of a predetermined period of time.

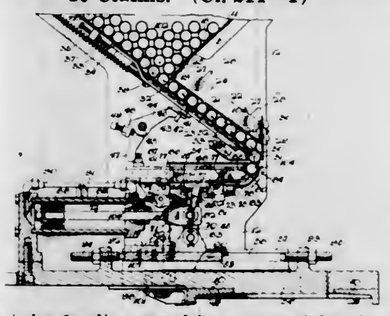
2,584,465
LEVEL CONTROL APPARATUS RELATING TO FILLING OF RECEPTACLES WHICH ARE CLOSED BY FLAPS
Oscar Ebbe Käll, Ljungby, Sweden
Application February 28, 1949, Serial No. 78,823
In Sweden February 28, 1948
14 Claims. (Cl. 226—129)

1. Apparatus for controlling the level of material filled into receptacles advanced in a path and adapted to be closed by means of flaps, at least one of which being positioned at the rear end of the advancing receptacle, comprising a scanning arm, a pivot above said path, said scanning arm being pivoted about said pivot, a sliding shoe at the free end of said scanning arm, said scanning arm being rotatable in a vertical plane substantially parallel to said path to form acute angles



to the direction of advance of said receptacles and to permit said sliding shoe to plunge into said receptacle, a projecting portion on said scanning arm adapted to seize the edge of said rear flap, a screening member movable relative to at least a portion of said scanning arm so as in certain positions to screen off said projecting portion.

2,584,466
FEED HOPPER AND FEED MECHANISM
John A. Kaserman, Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware
Application October 16, 1946, Serial No. 703,686
10 Claims. (Cl. 214—1)

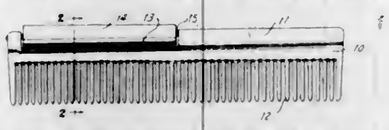


9. A tube feeding machine, comprising in combination, a reciprocable carriage having a base and a top portion provided with a seat for reception of a tube to be transported between receiving and delivering positions, means for depositing tubes one at a time on said seat, gripping means mounted on said top portion for pivotal movement into and out of gripping relation with a tube on said seat, a connecting member pivotally mounted on said base and secured to said gripping means for operating the same, and driving means including a reciprocable rod member extending substantially parallel with said base and top portion and operatively engaging said connecting member, said rod member being movable in one direction for first operating said gripping means and thereafter moving said reciprocable member and said gripping means as a unit between said tube receiving and delivering positions.

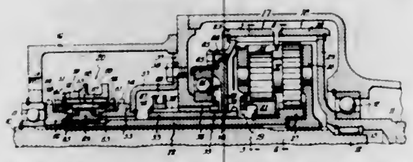
2,584,467
COMB
John W. Kaye, San Antonio, Tex.
Application November 3, 1949, Serial No. 125,305
7 Claims. (Cl. 132—19)

3. A comb including, an elongate relatively flat comb body having a back and teeth extending

from the back, and a roller rotatably mounted in the back so that a portion of the peripheral surface of the roller projects laterally of the back, the axis of the roller being substantially parallel to the longitudinal axis of the comb body.

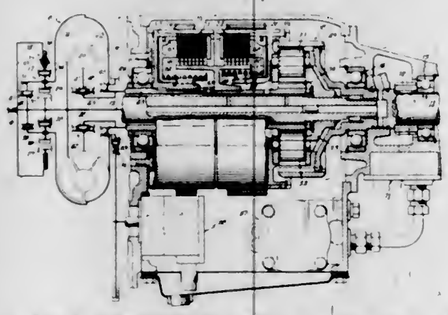


2,584,468
TRANSMISSION
Donald W. Kelbel, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 9, 1947, Serial No. 778,871
24 Claims. (Cl. 74—761)



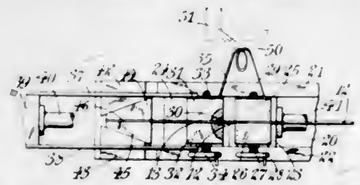
1. In a transmission, an input element, an output element, two planetary gear sets connecting said elements and adapted to provide three different speed ratio drives and reverse drive, a slidable dual positionable brake selectively slidable to one position for braking one member of one gear set to provide one of said drives and selectively slidable to a second position for braking another member of said one gear set to provide a second one of said drives, and a slidable dual positionable engaging device selectively slidable to one position for braking a member of the other gear set to provide a third drive or selectively slidable to a second position for connecting said last mentioned member and a member common to both gear sets to provide the fourth drive.

2,584,469
TRANSMISSION
Donald W. Kelbel, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 22, 1947, Serial No. 793,261
2 Claims. (Cl. 74—732)



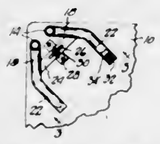
1. In a transmission, the combination of a drive shaft, a driven shaft, a hydraulic torque converter comprising an impeller, a rotor, and a stator, said impeller being connected to be driven by said drive shaft, a planetary gear set, said gear set comprising a sun gear element, a ring gear element, a planet gear in mesh with said ring gear element, a planet gear in mesh with said first-named planet gear and with said sun gear element, and a carrier element for said planet gears, one of said elements being connected with said driven shaft and another of said elements being connected with said rotor, a friction brake for said stator, and a friction coupling for connecting the remaining one of said three elements with said stator whereby to be braked by said friction brake, said friction brake comprising a brake drum and a band surrounding the drum and adapted to engage it, said friction coupling comprising a plurality of interleaved plates disposed within said drum, and a friction clutch for connecting together two of said elements of said planetary gear set for locking up said elements for unity of rotation and comprising a plurality of interleaved plates disposed within a drum located adjacent said first-named drum and coaxially therewith.

2,584,470
METHOD OF MAKING KNIFE BLADES
Bernard Miller, Sheffield, England
Application October 13, 1950, Serial No. 189,965
In Great Britain August 17, 1950
6 Claims. (Cl. 76—104)



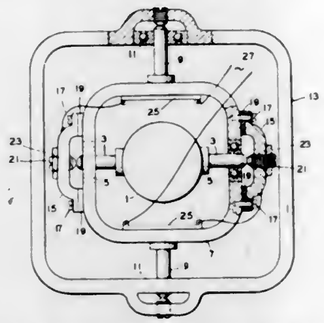
1. A process for the production of solid forged knife blades, wherein bright hardened stock of a section substantially that of the finished blades is used, comprising punching out the outline of a blade and integral tang from the stock, upsetting a bolster by heating the portion between the blade and tang and applying pressure to the blade axially thereof to bulge outwardly the heated portion and pressing the bulged portion between dies to shape the bulged portion into a complete bolster.

2,584,471
TABLE LEG MOUNTING
Jack J. Kohen, South Bend, Ind.
Application April 10, 1947, Serial No. 740,523
4 Claims. (Cl. 311—110)



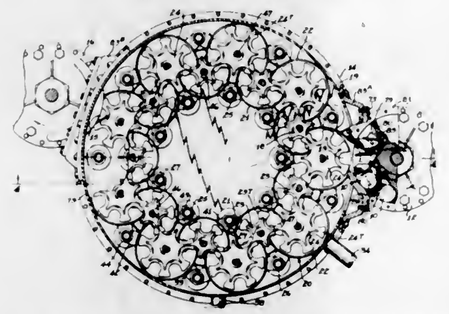
1. In a table of the knock-down type, a table top having a substantially uninterrupted flat bottom surface, a rigid metal leg unit having an upright portion and a horizontal portion, said horizontal portion comprising a plurality of fixedly connected angularly related rigid parts, at least two of said angularly related parts bearing longitudinally in face engagement against the bottom surface of said table top, and means for securing said horizontal portion to said table top, said means including at least two parts adapted for threaded connection of which one depends fixedly from and forms a part of said table top when said table is disassembled and means carried by and depending from said top in spaced relation to said first means for engaging and positioning said leg unit.

2,584,472
END PLAY ADJUSTING ARRANGEMENT
Henry Konet, Hohokus, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application August 25, 1949, Serial No. 112,373
11 Claims. (Cl. 74—5)



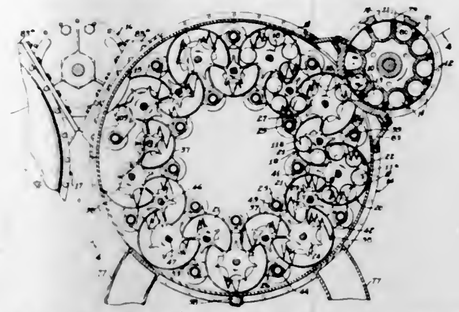
7. In a gyroscope, a gimbal, a rotor casing mounted in said gimbal for rotation relative thereto, spaced elements associated with said gimbal and insulated therefrom and engageable by said casing to limit end play of said casing, a heater associated with said gimbal to thermally expand said gimbal when said heater is energized to increase the distance between said elements, said elements and said casing being connected in series so that said heater is energized when said casing engages said elements and is de-energized when said casing disengages one of said elements.

2,584,473
FOOD PROCESSING APPARATUS
Frank Wilhelm Krueger, Saratoga, Calif., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware
Application July 20, 1948, Serial No. 39,772
11 Claims. (Cl. 99—360)



1. In apparatus of the character described, the combination comprising a chamber having an inlet and an outlet, and a helicoidal container guideway extending between said inlet and said outlet, said guideway having, in one convolution thereof, a plurality of curved sections, said guideway including rotatable can tables in each one of said curved sections upon which a can rests while being moved along said guideway.

2,584,474
FOOD PROCESSING APPARATUS
Frank Wilhelm Krueger, Saratoga, Calif., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware
Application July 20, 1948, Serial No. 39,773
20 Claims. (Cl. 99—360)

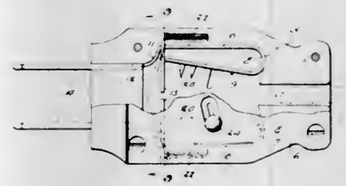


15. In apparatus of the character described, the combination comprising a chamber having an inlet and an outlet, a helicoidal container guideway extending between said inlet and said outlet, said guideway having a tortuous, serpentine, sinuous path in one convolution thereof, said guideway including a pair of oppositely disposed curved inner sections having affixed thereto a corresponding can end engaging strip, steam tubes extending through said chamber, each one of said can end engaging strips having an extension thereof mounted on a corresponding steam tube, and spacers mounted on said steam tube spacing adjoining oppositely disposed curved strips a distance slightly greater than the height of a container.

2,584,475
MANUFACTURE OF REFRACTORY ARTICLES
René Lecuir, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
No Drawing. Application July 7, 1947, Serial No. 759,475. In France August 12, 1946
4 Claims. (Cl. 106—55)

4. A material for extruding under pressure, comprising refractory oxides material in a powder state, the particles of which are coated with a gel, this latter being constituted by terpineol and ceresin.

2,584,476
ELECTRIC TERMINAL AND CONDUCTOR MOUNTING
Angelo R. Liaci, West Long Branch, N. J.
Application May 17, 1949, Serial No. 93,732
1 Claim. (Cl. 173—361)



In an electrical fitting, a body having a central longitudinal passageway extending inwardly from one end thereof, into which an electric cord is inserted, contact fingers extending into said body from the opposite end thereof, a pair of

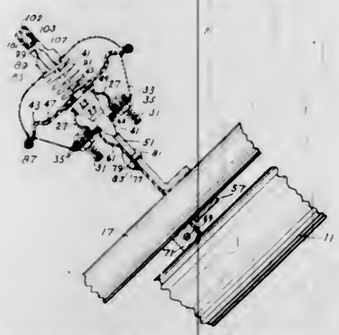
spaced yieldable contact arms mounted within the body at opposite sides of said longitudinal passageways and biased toward each other, tongues extending from the ends of said contact arms, said contact arms including leg portions in circuit with said contact fingers, plates, having openings, pivotally connected with said leg portions, the tongues of said contact arms being removably held within the openings of said plates, said plates normally extending across said passageway and moved by the electric cord inserted in the passageway, whereby said plates are disengaged from said contact arms, releasing the contact arms for movement towards each other, and contact prongs extending inwardly from said contact arms adapted to pierce the electric cord extending through the passageway, completing a circuit with the cord as the contact arms move towards the electric cord.

2,584,477

AUTOMOBILE SELF-STARTER WITH SAFETY CUTOUT

Henry W. Lindenmuth, Dearborn, Mich., assignor to Auto-Go, Incorporated, a corporation of Michigan

Application May 8, 1948, Serial No. 25,817
4 Claims. (Cl. 200—59)



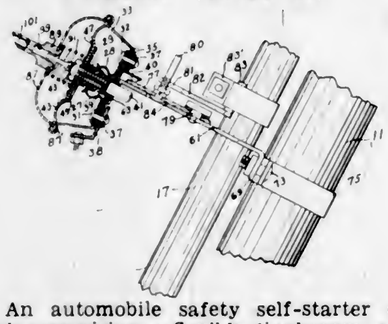
1. An automobile safety starter circuit switch comprising, a flexible diaphragm, a casing enclosing and supporting said diaphragm and having one side hermetically sealed over one side of the diaphragm to exclude atmospheric pressure therefrom, a connection fitting on the sealed side of said casing for receiving a conduit connecting into the intake manifold of an automobile engine, a bracket secured to said casing and extending therefrom, the extended portion of said bracket being conformed to engage and be secured upon an automobile steering column and to fit around a rotative steering column type of gear shifter for holding the casing in a predetermined position relative thereto, a mechanical actuator connected to said diaphragm and extending externally from the casing toward such a rotative gear shifter, an electrically insulated bridging contact carried by said mechanical actuator, a pair of electrical contacts, means mounting said pair of contacts in insulated relation spaced on opposite sides of said actuator to be bridged by said bridging contact when the diaphragm is flexed theretoward, and having in combination therewith a cam with raised surfaces suitable for engaging said mechanical actuator and holding said bridging contact away from said pair of contacts, said cam having a depressed area between said raised surfaces for releasing said actuator to bring the bridging contact into engagement with said pair of contacts, said cam having a portion conformed for fitting upon such an adjacent rotative gear shifter, and means for securing said cam to such a gear shifter.

2,584,478

AUTOMOBILE SELF-STARTER SAFETY SWITCH

Henry W. Lindenmuth, Dearborn, Mich., assignor to Auto-Go, Incorporated, a corporation of Michigan

Application March 31, 1949, Serial No. 84,529
7 Claims. (Cl. 200—59)



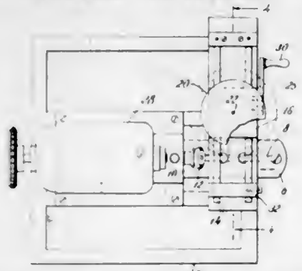
6. An automobile safety self-starter control switch comprising, a flexible diaphragm, a switch casing enclosing said diaphragm to receive a variable suction pressure on one side, a connection fitting on said casing for receiving a connection to the intake manifold of an automobile, an electrical contact, means mounting said contact in insulated relation on said casing, a first movable contactor connected to said diaphragm for movement to make a conductive connection from said contact when the suction on the diaphragm decreases and moving away from said contact when the suction increases, mounting means for mounting said casing on the steering column of an automotive vehicle adjacent the gear shifter commonly disposed in parallel relation thereto, a second contactor mounted movably, for continuing said conductive connection established by said contact, and actuator means connectible from such a gear shifter to actuate said second contactor to or from circuit closing position as the gear shifter is moved respectively to or from its neutral position so that a circuit is completed through the switch only when both movable contactors make a connection through said electrical contact.

2,584,479

PHONOGRAPH RECORD CUTTING MACHINE

James R. MacDonald, Bridgeport, Conn., assignor to Columbia Records Inc., Bridgeport, Conn., a corporation of Delaware

Application August 16, 1949, Serial No. 110,657
1 Claim. (Cl. 164—63)



A phonograph record cutter comprising a circular shear having a pair of circular blades with

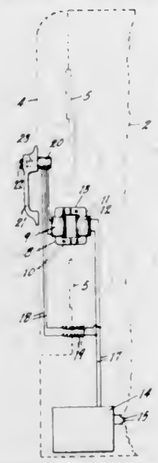
beveled edges continuously engaging each other, said blades being so arranged with respect to each other that their axes of rotation intersect and define a vertical plane, means for rotating said blades, a first set of ways extending outwardly from said blades parallel to a horizontal line in said plane, a platform mounted on said first set of ways movable therealong toward and away from said blades only in a line parallel to said horizontal line, said platform having a set of carriage ways mounted thereon extending perpendicular to said horizontal line, a manually-movable carriage mounted on said carriage ways and movable therealong toward and away from said blades only in a line perpendicular to said horizontal line, a turntable carried by and freely rotatable with respect to said carriage, said turntable having its upper surface lying in a horizontal plane passing through the point of contact of said blades, and a stop carried by said platform on the opposite side of said blades from the turntable when the turntable is out of cutting position and in the path of longitudinal travel of said carriage, the stop being so positioned with respect to said vertical plane that when the carriage contacts the stop the axis of rotation of the turntable lies in said vertical plane, the means for rotating the blades rotating them in a direction such that a phonograph record placed on said turntable is continuously rotated in a direction to maintain the carriage against the stop during the cutting operation.

2,584,480

MAGNETIC LATCH FOR DOORS

Jack F. Manting, Big Rapids, Mich., assignor to Denham Manufacturing Company, Big Rapids, Mich.

Application December 9, 1950, Serial No. 199,969
6 Claims. (Cl. 292—1)



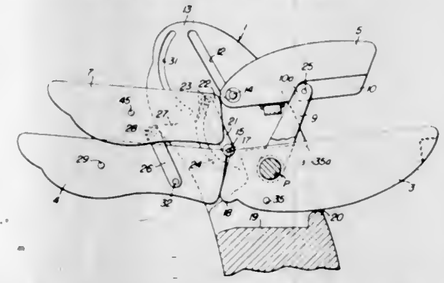
6. Magnetic latch structure for a door of a cabinet comprising, first electromagnet mounted on a wall of said cabinet and including a coil and a core having poles projecting to adjacent the front surface of said cabinet, a second electromagnet mounted on said door and including a second coil and a second core with poles projecting to adjacent the back surface of the door to oppose the poles of said first core when said door is closed, a source of direct current in said cabinet, conductors connecting said source to one of said coils for constant energization and polarization of its core, other conductors connecting the other of said coils to said source, and a switch of the two position reversing type mounted on said cabinet and having a biased control element, said switch being interposed in and electrically connected to said other conductors to reverse the energization of said other coil and the polarization of its core whereby the poles of said other core will be repelled from the poles of said one core when said control element is actuated.

2,584,481

INFANT'S CONVERTIBLE SEAT AND BED

Gifford M. Mast, Wright K. Gannett, and Lewis M. Shuh, Davenport, Iowa, assignors to Byrdie Glatstein, Muscatine, Iowa

Application November 2, 1948, Serial No. 57,914
19 Claims. (Cl. 155—45)



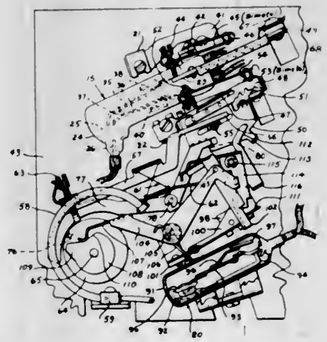
1. An attachment for an adult vehicle seat comprising, in one position, a part of the adult seat back and, in another position, a chair for an infant, said chair comprising a seat portion, a back portion, and arm rests which, when folded, occupy positions at the sides of the seat portion to complete the back portion of the adult seat, the seat portion having a main supporting shaft, about the axis of which the infant's seat turns, and arms pivotally mounted on said-shaft, at one end, and having the arm rests centrally connected, pivotally, at the second end of said arms, said arm rests being slidably and pivotally connected at one end to the adult seat back whereby the structure may be folded up with the arm rests beside the infant's seat, the rests and seat forming a part of the complete adult seat back.

2,584,482

ELECTRIC REFRIGERATION AND DEFROSTER CONTROLLER

Ira E. McCabe, Chicago, Ill.

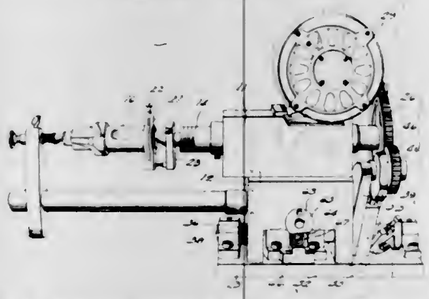
Application July 12, 1947, Serial No. 760,597
23 Claims. (Cl. 62—4)



1. In refrigeration control mechanism, the combination of a refrigerant circulatory system including a cooling unit, refrigerant supply

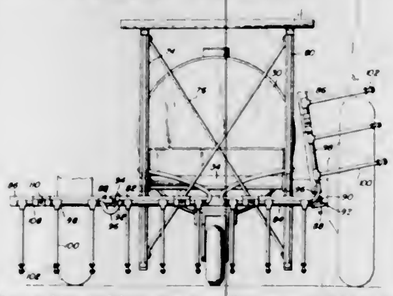
means therefor, electrical defrosting means including a transformer having a primary winding and embodying said cooling unit as the secondary winding, control mechanism having a plurality of control positions in one of which the supply means is rendered inoperative and the defrosting means is rendered operative by energization of the primary winding, and automatic means responsive to a defrosting condition and operative, when a predetermined condition exists, to render said defrosting means inoperative and said supply means operative.

2,584,483
RELIEVING FIXTURE
John H. McDonald and John Novak, Chicago, Ill., assignors, by mesne assignments, to Glenbard Tool Mfrs., Chicago, Ill., a copartnership
Application January 31, 1948, Serial No. 5,577
7 Claims. (Cl. 51—219)



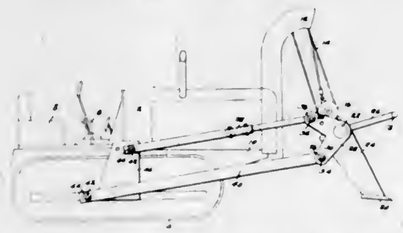
1. A fixture comprising a work supporting head having means including a spindle for supporting work to be treated and rotating it with said spindle, means for rotating said spindle, a base, said head being mounted on said base for longitudinal movement and for pivotal movement about an axis longitudinal of said head, actuating means coordinated with said spindle for longitudinally reciprocating said head and returning it to initial position at least once for each rotation of said spindle, said actuating means being adjustable to vary the amplitude of said reciprocating movement, and means actuated by the longitudinal reciprocation of said head for effecting rocking of said head about said axis longitudinal thereof.

2,584,484
SPRAYER
Harold J. McIntosh, Pender, Nebr., assignor to Automatic Equipment Manufacturing Company, Pender, Nebr., a corporation of Nebraska
Application July 2, 1948, Serial No. 36,647
2 Claims. (Cl. 299—41)



1. An adjustable sprayer for use with a trailer comprising a boom, means for adjustably securing said boom on the trailer, spray nozzles interconnected by a flexible fluid conveying conduit, and means for mounting said conduit on said boom for vertical pivotal movement, said mounting means including a plurality of substantially L-shaped brackets secured to said boom, a pair of spaced knuckles secured to each horizontal leg of said brackets, a clamp carried on each horizontal leg intermediate said knuckles, said conduit being journaled in and extending through said knuckles and clamp, and means for securing said clamp to said conduit and for preventing downward pivotal movement of said conduit beyond a predetermined position.

2,584,485
BLADE ADJUSTER FOR BRUSH CLEARING MECHANISMS
Jess Maverick McNeel, San Antonio, Tex.
Application April 15, 1947, Serial No. 741,627
1 Claim. (Cl. 37—2)

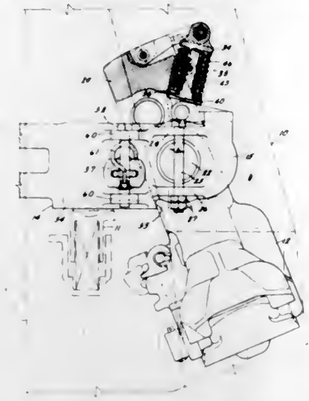


The combination with a tractor and supporting arm thereof, of a blade and buffer bar construction, comprising a horizontal transverse shaft, cables supporting the shaft from the arm for vertical adjustment of said blade, blade supporting legs rigidly secured to the ends of the shaft, a forwardly extended blade connecting the lower ends of the legs, a buffer bar rigidly connected with the shaft and extending beyond the cutting blade, rearwardly extended buffer ended supports journaled on the ends of the shaft, and arms of different lengths, the rear ends of the arms being pivoted in remote vertical planes on the tractor, the forward ends of which are pivotally mounted on the supports and disposed equi-distant of the shaft, whereby the lowering of the blade will vary the fixed cutting angle of the blade.

2,584,486
RETRACTABLE CAR COUPLER
William J. Metzger, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application August 9, 1947, Serial No. 767,814
14 Claims. (Cl. 213—5)

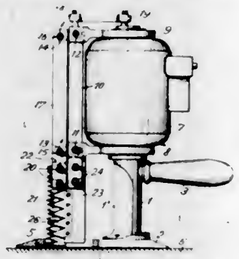
1. In a locomotive pilot a member supported therein, said member having a pair of forwardly extending arms, a car coupler having a shank received between said arms, said shank being pivotally connected to said arms to enable vertical swinging of said coupler from horizontal operating position to lowered position within the pilot contour, a pivotal spring-abutment member on said first-named member positioned substantially in vertical alignment with and spaced from the pivotal axis of said coupler, another pivotal spring-abutment member at the end of said shank, and spring means reacting between said spring-abutment members for substantially counterbalancing said coupler, said spring-abutment members being so arranged

that the moment of the line of force of said spring means is a maximum when said coupler is in horizontal operating position, said spring means during swinging of said coupler to lowered position being adapted to pivot about said coupler supporting member to a position in which



said moment is a minimum, and simultaneously said pivotal spring-abutment member on said shank being moved toward said pivotal spring-abutment member on said coupler carrying member to progressively increase the compression of said spring means.

2,584,487
SHEET-CUTTING MACHINE HAVING A TRAVELING CUTTER CARRIAGE AND A MOTOR-DRIVEN RECIPROCATING CUTTER
Alice Mischke, Zurich, Switzerland
Application November 20, 1947, Serial No. 787,092
In Switzerland October 9, 1947
3 Claims. (Cl. 30—219)



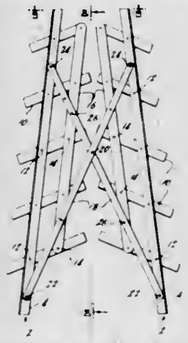
1. A cutting tool for textile and similar material, having a base plate and an upright support extending from said base plate and carrying an electric motor, a vertical holding rail mounted on said support, said base plate having a recess into which said rail extends, said holding rail having forwardly converging surfaces at its forward part, a toothed blade stationarily mounted on each of said converging surfaces with their teeth located forwardly beyond the front edge of said rail said toothed blades being displaced with reference to each other by a half tooth division, a thin, straight, toothed blade movably mounted between said two stationary toothed blades and guided thereby, which said movable blade having a tooth division only half as great as the other blades, an oscillating lever apparatus mounted on said support and drivingly connected with said electric motor to impart to the movable toothed blade an right support.

2,584,488
LOGGER'S PIKE
Charles Mitchell, Longview, Wash., assignor to Helen Mitchell
Application September 6, 1946, Serial No. 695,081
9 Claims. (Cl. 294—61)



1. A logger's pike which includes a staff, a spear at one end of the staff, a sleeve surrounding the staff adjacent the spear, prongs on the sleeve for cooperation with the spear in holding a log and means responsive to relative rotation between said sleeve and said spear to establish relative longitudinal movement between the sleeve and the spear to extract the spear from lodgement in a log.

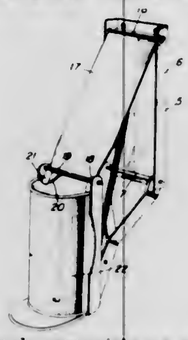
2,584,489
DISPLAY STAND
Laurence B. Morrison, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application February 5, 1947, Serial No. 726,575
1 Claim. (Cl. 211—142)



In a display stand of the class described, two frames each comprising a pair of standards arranged side by side and spaced apart, a plurality of shelves placed one above the other between the standards of each frame and pivotally secured to the standards at points located between the front and rear thereof, support bars between which the rear portions of the shelves of each frame extend and to which the shelves are pivotally connected, diagonal pairs of brace bars arranged at opposite sides of the frames with the brace bars of each pair pivotally connected intermediate their ends, pivotal connections between the lower ends of said brace bars and the lower end portions of said frames, detachable connections between the upper ends of said brace bars and the upper end portions of said

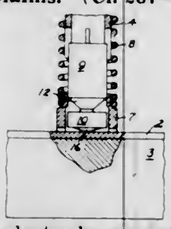
frames, pivotal connections between said brace bars and the lower end portions of said support bars, and detachable connections between the upper portions of said brace bars and said support bars, whereby upon releasing said detachable connections the support bars may be moved to turn the shelves into folded condition and the frames may be brought together to collapse the stand.

2,584,490
CAN PUNCH
John E. Murphy and George W. P. Beckemeier, Spokane, and Edward C. Couture, Colbert, Wash., assignors of fifty per cent to Fred N. Norton, North Richland, Wash.
Application August 15, 1950, Serial No. 179,606
6 Claims. (Cl. 30—6.1)



1. A can punch comprising a wall bracket, upper and lower arms pivoted at their inner ends to the bracket for vertical swinging movement, a can holder supported at the outer ends of the arms and pivoted thereto for maintaining a substantially perpendicular position during movement of the arms, and a pair of cutters at the outer end of the upper arm for penetrating the top of a can supported on the holder.

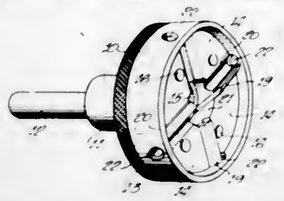
2,584,491
MEANS FOR SPOT WELDING
Ted Nelson, San Leandro, Calif., assignor to Gregory Industries, Inc., a corporation of Michigan
Application December 21, 1944, Serial No. 569,118
3 Claims. (Cl. 287—20.2)



1. A fusible electrode comprising a stud, and a welding flux arranged at one end of the stud, said stud having an annular groove adjacent the fluxed end and dividing the electrode into a fusible head and a chuck receiving body.

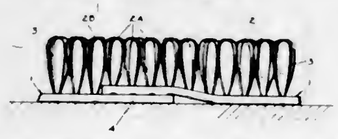
2,584,492
DOWEL CUTTING HEAD
Herman S. Newton, Temple, Tex.
Application April 17, 1947, Serial No. 742,147
5 Claims. (Cl. 142—32)

1. A dowel cutting head including a circular, hollow body adapted for rotation and having tapered inner wall surfaces, a plurality of blade retaining segments having tapered surfaces in movable engagement with those of said walls, cutting blades interposed between said segments whose cutting edges are at right angles to the rotating axis of said body, bolts threadedly entering said segments through said body, each of said



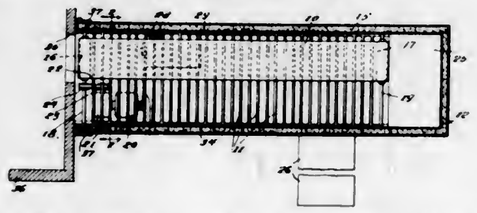
segments having a fulcrum on its underside at right angles to said bolts, on which said segment is moved into clamping relationship with an adjacent blade when tension is imposed on its respective bolt and a trough in each of said segments for releasing cuttings produced by said blades through the wall of said body.

2,584,493
LOOPED PILE RUG
Burton A. Olsen, Oakland, Calif., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application August 9, 1949, Serial No. 109,377
2 Claims. (Cl. 2—278)



1. A rug comprising: a pair of parallel strips of backing sheet material; a plurality of rows of looped pile secured to and extending outwardly from the surface of said pair of strips excepting a marginal surface portion on one of said strips, the other of said strips being positioned in overlapping relation on said marginal portion on said one of said strips; means securing said pair of strips together in such relation along said portion, said rows of pile on the other of said strips and overlying said marginal portion being shorter than the remaining rows of pile by a distance substantially equal to the thickness of one of said strips.

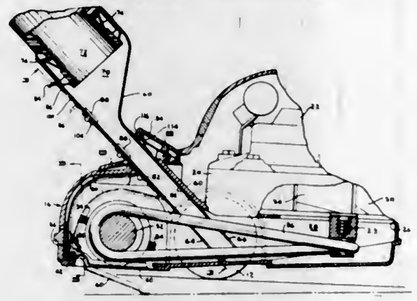
2,584,494
PERISHABLE PRODUCT PROCESSING CABINET
Walter A. Olson, Kendall, Fla.
Application February 10, 1950, Serial No. 143,515
5 Claims. (Cl. 62—89.5)



1. A perishable product processing cabinet comprising a box-like casing having an upwardly extended rear wall with an overhanging hood carried by the said rear wall, an open slat

platform extended across the casing, a conveyor in the casing with the upper section thereof positioned to travel over the slats of the platform, a slide-off tray positioned at the end of the conveyor for receiving products therefrom, refrigerating means in the cabinet for maintaining a constant cool temperature therein, and germicidal lamps carried by the overhanging hood of the rear wall and positioned with rays therefrom directed upon the conveyor and platform.

2,584,495
CONVERSION ARRANGEMENT FOR SUCTION CLEANERS
Ralph C. Osborn, Bloomington, Ill., assignor to Eureka Williams Corporation, Bloomington, Ill., a corporation of Michigan
Application October 29, 1947, Serial No. 782,815
10 Claims. (Cl. 15—333)

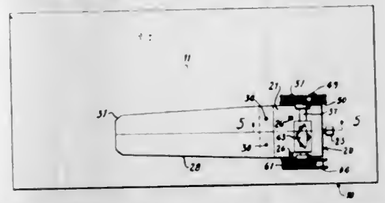


1. In a suction cleaner having a rug nozzle and arranged for movement on a surface covering with said nozzle in operative relation with respect to said surface covering, a fan provided with an air inlet, means forming an air communication between said nozzle and fan inlet, a motor for driving said fan and having a shaft extending through said inlet into said communication, an agitator associated with said nozzle, a belt extending through said communication and connected to said agitator and shaft for driving said agitator during operation of said motor, a belt guard movably mounted on said cleaner and normally positioned to span said nozzle below said belt, said communication being provided with a converter port, a hollow air conducting converter insertable in said port so as to provide for circulation of air through said converter into said communication and to substantially shut off the flow of air from said nozzle to said fan inlet, a belt guard actuating member movably mounted on said converter and operable when said converter is arranged in said port to shift said belt guard to a position for supporting said nozzle and agitator out of operative relation with said surface covering, said belt guard having a part connected thereto which is arranged to be actuated by said belt guard actuating member.

2,584,496
PREPARATION OF β-METHYLMERCAPTO-PROPIONALDEHYDE
Earl Pierson, Harrisonburg, Va., and Max Tishler, Westfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application October 25, 1945, Serial No. 624,598. Divided and this application March 2, 1950, Serial No. 147,326
1 Claim. (Cl. 260—601)

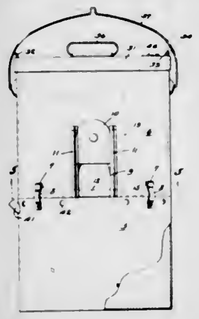
The method of preparing β-methylmercapto-propionaldehyde which comprises reacting methyl mercaptan and acrolein at normal atmospheric pressure and at a temperature below the reflux temperature of acrolein in the presence of mercuric methyl mercaptide.

2,584,497
BAG FILLER HAVING AN ADJUSTABLY MOUNTED PIVOT FOR BAG ENGAGING PLATE MEMBERS
Winfred O. Poole, Thomasville, N. C., assignor of fifty per cent to Wilbur H. Scales, High Point, N. C.
Application August 7, 1950, Serial No. 178,117
4 Claims. (Cl. 226—18)



1. A device for bagging articles comprising a support, a base member secured to said support, a bearing block slidably and adjustably mounted in said base member, a shaft rotatably mounted in said bearing block, said base member having a first plate fixedly secured thereto, said shaft having a second plate fixedly secured thereto, means for rotating said shaft to position said second plate in parallel relation to said first plate or to raise the second plate to vertical or perpendicular position, whereby articles may be placed on said first plate and the second plate moved to a position parallel to the first plate and an envelope may be disposed about the said parallel plates and surrounding said articles disposed on said first plate to permit the envelope to be slidably removed therefrom with the articles therein.

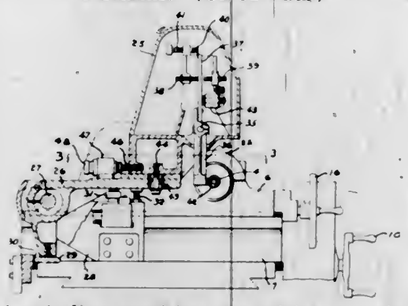
2,584,498
RODENT TRAP AND EXTERMINATOR
Frank E. Posey, Lancaster, Calif.
Application February 3, 1950, Serial No. 142,159
1 Claim. (Cl. 43—69)



In a rodent exterminating trap, a base in the form of a tank, a body portion having an entrance opening, removably mounted on the base, a bait holder having an opening through which access to the bait is had, positioned within the body portion, a floor forming a part of the body portion, said floor having an opening formed therein, establishing communication between the base and body portion, pivoted platforms mounted on the floor, normally closing the opening in the floor, each pivoted platform comprising end sections pivotally connected with the floor, over-

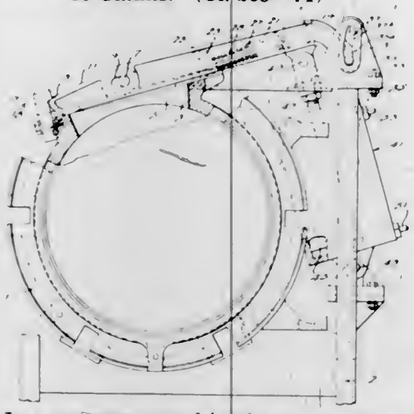
balancing weights connected with the end sections, normally urging the end sections to their closed positions, auxiliary platform sections supported by the end sections comprising pivotally connected sections movable as a unit or movable independently of each other, rods mounted on the end sections on which the auxiliary sections are pivotally mounted, said end sections and auxiliary sections normally closing the opening in the floor, and said auxiliary sections pivoting at right angles with respect to the end sections.

2,584,499
APPARATUS FOR PRECISION BORE GRINDING
Roger S. Pyne, Longmeadow, Mass., assignor to Van Norman Company, Springfield, Mass., a corporation of Massachusetts
Application August 2, 1948, Serial No. 41,996
6 Claims. (Cl. 51—165)



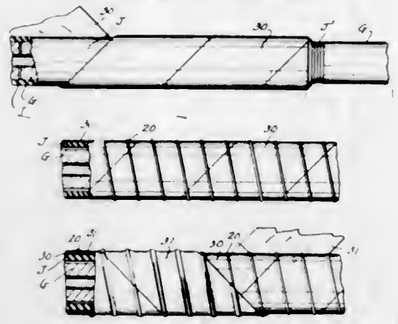
1. A grinding machine comprising a main and a secondary slide each movable transversely to the surface of the work piece to be ground, means for moving the main slide at a feed rate to a fixed terminal position during each grinding cycle, a grinding wheel mounted on the secondary slide, a gauge mounted on the main slide, and means for moving the secondary slide prior to the start of a grinding operation to bring the active surface of the wheel into contact with the gauge.

2,584,500
CLOSURE MECHANISM FOR PRESSURE VESSELS
Albert O. Riordan, Saginaw, Mich., assignor to Baker Perkins Inc., Saginaw, Mich., a corporation of New York
Application May 29, 1948, Serial No. 30,129
10 Claims. (Cl. 268—74)



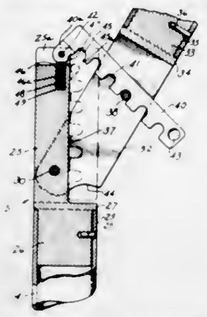
10. In a pressure vessel having an opening, the combination of a cover for said opening, an arm carrying said cover, means pivotally connecting one end of the arm to the vessel, means for moving said arm about said end as a pivotal axis, means for disconnecting said pivotal connection, means providing a fulcrum contacted by a portion of the arm remote from said one end when said pivotal connection is disconnected, and means for moving said arm about said fulcrum.

2,584,501
METHOD OF MAKING FLEXIBLE CORRUGATED TUBES
Robert Eldon Roberts, Ridgefield, Conn.
Application March 9, 1945, Serial No. 581,842
4 Claims. (Cl. 154—8)



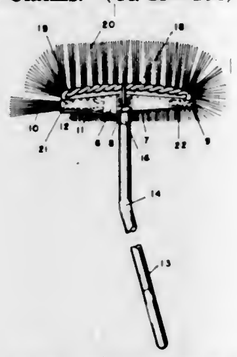
1. The method of making a corrugated tube comprising winding a tape spirally on a suitable support, placing a helical spring in position over the tape stretched so that each coil of the spring registers with the coils of the tape, covering the tape and spring by an impervious rubber tubular sheath, corrugating the product between the coils of the spring, and vulcanizing it in the corrugated condition.

2,584,502
GARDEN AND BEACH UMBRELLA
Ray A. Russell, Santa Ana, Calif.
Application August 17, 1946, Serial No. 691,269
8 Claims. (Cl. 135—46)



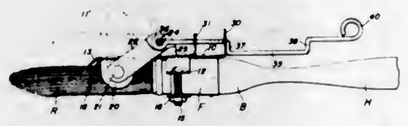
1. In combination in an umbrella structure: a post having two sections; and a tilting joint disposed between said two sections, said joint comprising a shank secured to and projecting from one of said sections, an arm secured to and projecting from the other of said sections and pivotally attached to said shank to align therewith in extended position, a latch bar pivotally connected to the outer end of said shank and adapted to fold alongside of said shank into collapsed position, and stop means carried by said arm, said arm providing a transverse passage adjacent said stop means and receiving said latch bar, said latch bar having locking means to engage said stop means and prevent swinging movement between said shank and arm in either direction, both said stop means and the pivotal mounting of said latch bar on said shank being spaced substantial distances from the point of pivotal connection between said shank and said arm, said shank and arm being collapsible into aligned position and said bar being collapsible into a pocket in said joint formed by said passage and to lie alongside said arm and said shank and to engage and retain said stop means in locked position closely adjacent said outer end of said shank.

2,584,503
BOTTLE BRUSH WITH PIVOTED HANDLE
Jack P. Schleenbaker, Lancaster, Pa., assignor to National Novelty Company, Lancaster, Pa., a partnership
Application December 16, 1950, Serial No. 201,159
4 Claims. (Cl. 15—164)



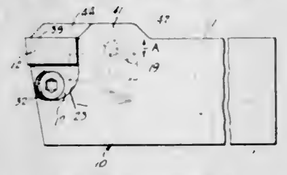
1. A bottle brush comprising a substantially tubular body portion, the lower half of one half of the tubular body portion being removed forming a substantially semicylindrical section of one half of the body portion, a wire handle formed with a transverse hole adjacent one end, a U-shaped wire passing through the inner end of the semicylindrical portion of the body, through said handle hole and forming a pivot for said handle, the ends of said U-shaped wire extending above the upper surface of the body portion, a tuft of bristles folded about a U-shaped retaining wire and inserted in the tubular portion of said body, said tubular portion being flattened at a point beyond the U-shaped retaining wire to prevent withdrawal of the tuft of bristles, and a twisted wire brush portion secured to and carried along the upper surface of the body portion, the ends of said twisted wire bristle portion being inturned within said body portion.

2,584,504
PAINTBRUSH GUARD
Eugene A. Seeber, Rochester, N. Y.
Application July 22, 1947, Serial No. 762,545
5 Claims. (Cl. 15—166)



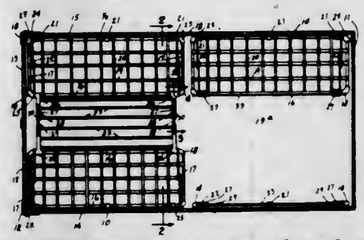
1. A guard for paint brushes comprising a part adapted to be secured to the head of a brush, a guard plate, a pair of links, each of which is pivotally connected at one end to the guard plate adjacent the rear end thereof and each of which is pivotally connected at its opposite end to the first-named part adjacent the forward end thereof, and a pull rod secured to the guard plate for rocking said links to effect pivotal movement of the guard plate into or out of operative position.

2,584,505
TOOLHOLDER
Ole C. Severson, Derby, Conn., assignor to The Viking Tool Company, Shelton, Conn., a corporation of Connecticut
Application October 22, 1948, Serial No. 55,847
9 Claims. (Cl. 29—96)



1. A tool holder comprising a body member including a shank at one end portion for mounting in a support, means for mounting a tool bit at the other end comprising a transverse passage inclined backwardly and downwardly from said end, the lower wall of the front portion of said passage comprising a portion of a cylindrical surface, a wedge member in said portion of the passage curved on its under side to fit said cylindrical surface for free lateral rocking movement thereon and flat on its upper surface, said top surface being inclined rearwardly and downwardly, a tool bit in the passage on said inclined surface of the wedge member and located between said inclined surface and the top wall of the passage, and an adjusting screw connecting the wedge member and the body member to shift the wedge member rearwardly in the passage and clamp the tool bit between the wedge member and the top wall of the passage.

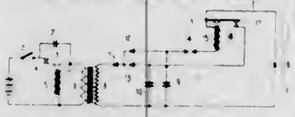
2,584,506
FREIGHT SUPPORT STRUCTURE FOR TRUCKING VANS AND THE LIKE
Earl W. Shreve, Indianapolis, Ind.
Application June 17, 1949, Serial No. 99,839
2 Claims. (Cl. 105—370)



1. In a trucking van and the like adapted for double deck loading, a pair of opposed coplanar freight supporting decks each having a width less than one-half the width of the interior of said van and being pivotally secured in spaced relation to opposite van side walls intermediate the top and bottom thereof, said decks being swingable from a horizontal freight supporting position to a position contiguous to the van wall and having foldable support elements connecting their free edges to said respective van walls, and an auxiliary freight supporting deck for each of said first mentioned decks having tubular side members pivotally secured to the free edge of

said first mentioned deck, said tubular members having openings in their free edges and a slidable latch bolt movable therein, said latch bolt being adapted to be extended beyond said tubular member to a locking position within the tubular member of an opposed auxiliary deck when said auxiliary decks are swung to a horizontal position, and means retaining said latch bolts in locked condition.

2,584,507
ELECTRICAL IGNITION SYSTEM
Wytze Beye Smits, Voorburg, Netherlands, assignor to Smitsvonk N. V., Rijswijk (Z. H.), Netherlands
Application June 16, 1950, Serial No. 168,439
In the Netherlands July 1, 1949
5 Claims. (Cl. 315—238)



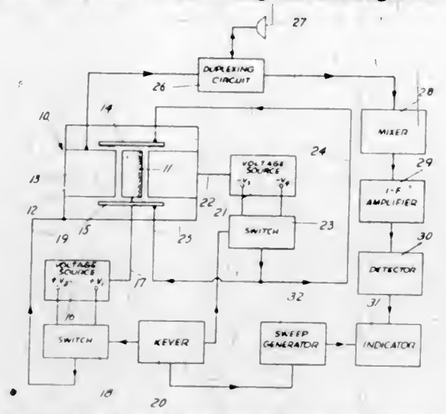
1. In an electrical ignition system, an ignition coil, a primary circuit for supplying variable electro-motive forces to the primary of the ignition coil, an igniting device, a secondary circuit including a first condenser charged from the secondary of the ignition coil and adapted to discharge through the igniting device, a second condenser also charged from the secondary of the ignition coil, a branch circuit from the second condenser to the ignition device and including a spark intensifying gap, and time delay means operated by the discharge of the second condenser for connecting the first condenser to the igniting device.

2,584,508
PRODUCTION OF COMPOUNDS OF ALGINIC ACID AND ITS DERIVATIVES
John Bamber Speakman and Norman Henry Chamberlain, Leeds, and Catherine Margaret Cameron Dorkin, York, England, assignors to Alginate Industries Limited, London, England, a British company
No Drawing. Application April 22, 1948, Serial No. 22,698. In Great Britain April 2, 1947
7 Claims. (Cl. 260—209.6)

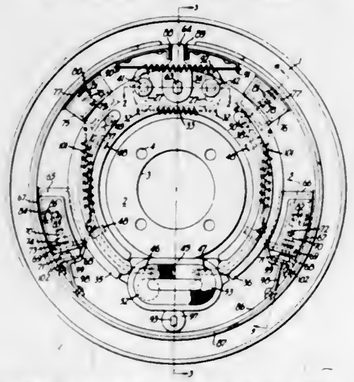
1. A process for the production of alkali-resistant alginic material, which comprises first swelling in water alginic material of the group consisting of alginic acid and water-insoluble metal alginates, then displacing the water by a polar solvent which maintains sufficient swelling to keep the hydroxyl groups accessible, and thereafter bringing about cross-linking by treatment with a solution of hexamethylene diisocyanate in a non-reactive polar solvent.

2,584,509
RADIO OBJECT-LOCATING SYSTEM
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 22, 1949, Serial No. 72,167
5 Claims. (Cl. 343—5)

3. A radio object-locating system comprising: an oscillator adapted to generate electromagnetic energy; means for controlling the frequency of the energy adapted to be generated by said oscillator; a plurality of voltage sources of different magnitudes; means for connecting some of said voltage sources to said oscillator and said frequency-controlling means to energize said oscillator into operation at a predetermined frequency and a predetermined power level; means for connecting others of said voltage sources to said oscillator and said frequency-controlling means to energize the same into operation at a different frequency and a different power level; said two last-named means being alternately operable; means for radiating electromagnetic energy into space and receiving portions thereof reflected from objects to be located therein; a beat-frequency detector; and means, coupled to said oscillator, said radiating-receiving means, and said detector, for directing the major portion of the energy generated at one of said frequencies and power levels to said radiating-receiving means, and at another of said frequencies and power levels to said detector.

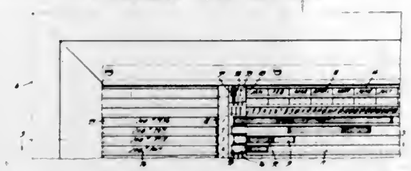


2,584,510
BRAKE WEAR TAKE-UP
Alfred E. Stocker, Mercer Island, Wash., assignor to Anchor Brake Corporation, Oakland, Calif., a corporation of California
Application January 2, 1948, Serial No. 190
2 Claims. (Cl. 188—79.5)



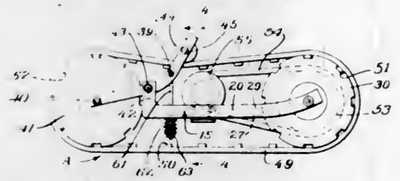
1. A brake comprising: a rotary brake drum; a fixed back plate mounted adjacent said brake drum, said back plate being formed with two pairs of opposed pockets outwardly pressed therefrom, the pockets of each pair of opposed pockets being symmetrically arranged with respect to a selected center line of said brake; a split brake band expandably mounted on said back plate between said brake drum and said pockets, the split in said band being located on said center line; a radially extending brake band positioning member adjustably mounted on a wall of each of said pockets; a first stop member mounted on one wall of each pocket of one pair of said pockets; inwardly extending second stop members mounted on said brake band, there being one of said second stop members in alignment with each of said first stop members; and a brake band expanding member mounted on said back plate between the ends of said brake bands.

2,584,511
INDICATOR BOARD
Berger Stockfleth, Paradise Cove, and Le Roy M. Osborne, San Rafael, Calif.
Application March 22, 1948, Serial No. 16,314
4 Claims. (Cl. 35—24)



3. An indicator board comprising a plurality of parallel channels adapted to receive tapes for sliding movement in said channels, walls defining a storage compartment for said tapes disposed adjacent one end of said channels, one of said walls being pierced to provide a series of separate slots adjacent said end of each of said channels and in alignment therewith, alternate series of slots being different distances from the end of their respective channels to dispose each series of slots in staggered relation to the series of slots in alignment with the next adjacent channels.

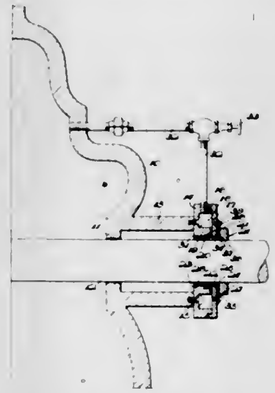
2,584,512
CATERPILLAR ATTACHMENT FOR TRUCKS
Claude A. Strait, St. Paul, Minn.
Application August 13, 1948, Serial No. 44,112
10 Claims. (Cl. 309—8)



1. A Caterpillar attachment for trucks having a driving axle and a housing therefor, the attachment including a bracket rotatably supported by the axle housing for rotation about the axis thereof, a wheel, means including a pivot connecting said wheel to said bracket, a second wheel in tandem arrangement with the first named wheel, lever arm means pivotally connected to said bracket for pivotally supporting said second wheel, a traction belt connecting said wheels, and a roller supported by said lever arm means and engageable against the belt for tightening the same.

2,584,513
SEALING DEVICE FOR SHAFTS
Orran B. Summers, Phoenix, Ariz., assignor to Jet Shaft Seals, Inc., Phoenix, Ariz., a corporation of Arizona
Application April 19, 1945, Serial No. 589,126
5 Claims. (Cl. 286—9)

1. In a seal for preventing a leakage flow of fluid from a fluid chamber between a rotor and the fluid chamber housing, said rotor and housing being relatively rotatable and spaced from each other, the combination of a seal housing secured in fluid tight fashion to said fluid chamber housing and extending axially outwardly therefrom along the rotor providing with said rotor the walls of a seal chamber having a communicating opening with said fluid chamber and a terminal opening at its outer end, said openings encircling said rotor, said seal housing being spaced from the rotor at all zones longitudinally of the rotor to provide in said seal chamber a first clearance passage between said openings, said first passage including as a part thereof a relatively restricted portion encircling said rotor and directed at least

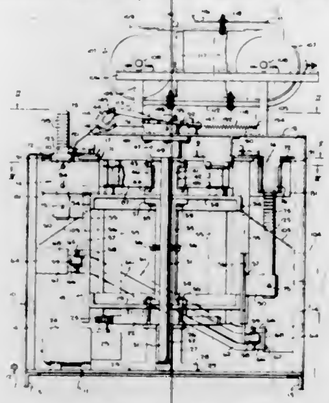


at its inner end substantially axially of the rotor, and said seal housing being also formed to provide an annular relatively restricted inwardly directed second passage forming a junction with said restricted portion at an acute angle thereto, said acute angle junction being pointed axially inwardly along the rotor, means for supplying fluid to said restricted second passage, and means for maintaining a continuous flow of fluid through said restricted second passage and the portion of said first passage between said junction and said communicating opening to and through said communicating opening, said seal housing including an adjustable member providing one wall of at least a portion of the restricted portion of the first passage and one wall of the second passage.

2,584,514
APPARATUS FOR MAKING A TOROID
Meyer Thompson and Daniel T. Thompson, Los Angeles, Calif.
Application December 9, 1947, Serial No. 790,688
15 Claims. (Cl. 107—8)

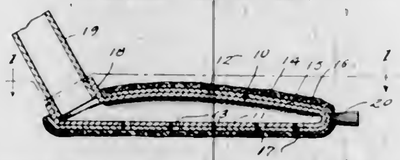
1. An apparatus for forming dough including a supporting structure, a turret rotatably mounted within said structure, means for rotating said turret, a work table carried by said turret including a plurality of radially disposed work sections, forming chambers carried by each of said sections, a forming plunger arranged for reciprocation through each of said forming chambers, each of the forming plungers extending axially through its respective chamber in spaced relation to the walls thereof, means for supplying cylindrical dough pieces successively onto said work sections, means for folding a piece of cylindrical dough about said forming plunger, and means for lowering the said forming plunger downwardly through said forming chamber for

rolling the folded dough along its axis of revolution whereby the folded dough is subjected to



virtually uniform radial pressure along its entire circumference.

2,584,515
SUCTION NOZZLE WITH BRUSH AND WIPER
Bettie A. Udell, La Junta, Colo.
Application August 19, 1949, Serial No. 111,178
1 Claim. (Cl. 15—367)



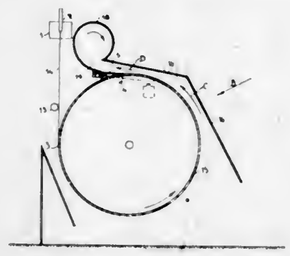
A brush structure for cleaning the interior of a shoe or the like comprised of a hollow ovoidal body of rigid material having an apertured flat bottom wall corresponding in shape to the interior of a shoe, a tubular handle and connector for suction extending obliquely from the rear of said body and communicating with the interior thereof, a leather covering for said body having apertures therein aligned with the apertures in said bottom wall, a sheep's wool outer covering secured to said leather covering, and a plurality of bristles extending through said sheep's wool covering and secured to said leather covering, said bristles forming a radial row extending about the front of said body.

2,584,516
HOSIERY PROTECTING INSERT FOR SHOES
Dale S. Veatch, San Francisco, Calif.
Application February 10, 1950, Serial No. 143,373
1 Claim. (Cl. 36—77)



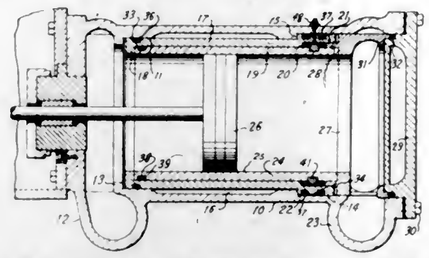
A hosiery protecting insert for a shoe comprising a member formed of sheet plastic material generally arched to fit the interior toe end configuration of an upper portion of a shoe with which the foot and hosiery thereon may have frictional engagement, said member having a convex outer surface for contacting the interior surface of the upper of the shoe and a smooth concave inner surface presented to the foot and hosiery thereon, a relatively narrow transverse adhesive strip on the convex surface of the member adjacent only the rear edge of said member for securing the member in position inside of a shoe, and a peelable covering strip for said adhesive strip.

2,584,517
CONTINUOUS METHOD FOR THE MANUFACTURE OF TWISTLESS GLASS FIBER ASSEMBLIES
Joseph Verreet, Saint-Gilles, Belgium, assignor to Owen Evans, London, England
Application January 14, 1947, Serial No. 722,062
In Belgium January 30, 1946
2 Claims. (Cl. 19—155)



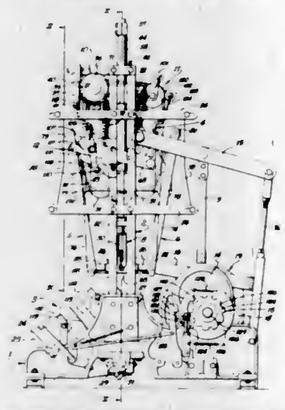
1. A continuous method for the manufacture of a twistless assembly of relatively short glass fibres in strand form comprising continuously drawing a plurality of spaced glass filaments between a smooth rapidly rotating drawing off drum and bars provided adjacent thereto, winding and conveying said glass filaments on the periphery of said smooth drawing off drum to a position on the periphery located just before the filaments have completely encircled the drum, guiding and removing with mechanical removing means said glass filaments in a tangential direction relative to the drum periphery at a point before the filaments have accomplished a complete turn in contact with the drum periphery, the drum rotating at a sufficient speed to provide a wind of sufficient velocity to maintain the alignment of the glass fibers in the direction of those filaments leaving the drum, breaking the glass filaments into glass fibers from the action of the rotating drum imparting momentum to the filaments to mechanically break the filaments against said mechanical removing means and a conical form defining a curved path downstream of the glass filament removal position, guiding, in streamline flow within the thickness of the glass fiber assembly formed along the curved surface on the interior of the conical form, the wind produced by the rotation of the drum immediately adjacent a curved path downstream of the glass filaments removal position, whereby the filaments, broken into relatively short fibres from the rapid rotation of the drum, and the wind, are carried into the streamline flow of the wind adjacent the curved path to prevent excessive intermingling of the short glass fibres obtained and to form a twistless assembly of glass fibers along the curved path of streamline flow immediately adjacent the conical form, and continuously removing the so-formed twistless glass assembly in a direction parallel to the streamline flow of the wind.

2,584,518
PUMP LINER
George W. Walton, Dallas, Tex.
Application February 14, 1947, Serial No. 728,511
6 Claims. (Cl. 309—3)



1. In combination, a pair of cylindrical liners, one fitting in the other in intimate contact therewith, an inwardly directed annular lip at the inner end of the outer liner, an annular outwardly directed boss surrounding the outer end of the outer liner, the inner end of the inner liner abutting the lip of the outer liner and the outer end of the inner liner being relatively within the boss of the outer liner, the inner liner having a circumferential recess adjacent the lip, an annular packing in the recess of the inner liner between said liners, and an annular packing between the liners at the outer ends thereof and relatively within the boss of the outer liner, the outer liner being arranged to be mounted in the bore of a pump cylinder.

2,584,519
PEACH PITTING APPARATUS
Laurence W. Waters, Ontario, Calif., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif., a corporation of Delaware
Application March 5, 1947, Serial No. 732,391
5 Claims. (Cl. 146—28)



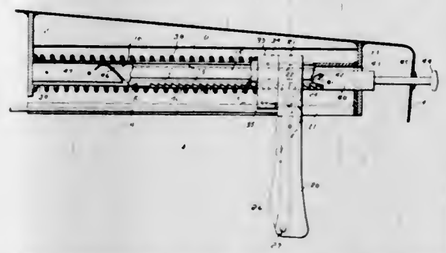
1. Apparatus for pitting peaches and the like, comprising a frame, wire-supporting means supported upon said frame for reciprocal movement to and from a pitting station, fruit pitting wires supported thereby, a fruit holding element adapted to impale a peach and supported by said frame for oscillatory, pivotal movement to and away from said pitting station, means for reciprocating said wire-supporting means, means for oscillating said fruit holding element and means for actuating said reciprocating and oscillating means in timed relationship to present an impaled fruit at said pitting station for pitting by said wires, said actuating means comprising a drive shaft, first and second eccentric members secured thereto and linkages interconnecting said eccentric members with said wire-supporting means and said fruit holding element, respectively.

2,584,520
PHYSICIAN'S VENOUS BLOOD LETTING AND COLLECTING INSTRUMENT
Walter Wilkins, Jacksonville, Fla.
Application October 25, 1948, Serial No. 56,306
6 Claims. (Cl. 128—275)



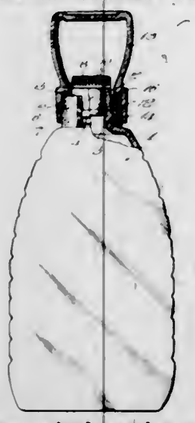
1. A physician's venous blood letting and collecting instrumentality of the class described comprising a miniature collecting cup, said cup being wholly open at its top for ready inspection of the contents and subsequent pouring of latter into a test tube or other holder and a hollow needle formed integral with said cup, said needle being oblique to the rim of the cup, whereby the testee's blood may be caused to flow from the incision, under force of gravity, into said cup.

2,584,521
EMERGENCY CONTROL FOR BRAKES
Leland A. Woodsworth, Roxbury, Mass.
Application June 7, 1951, Serial No. 230,388
9 Claims. (Cl. 74—503)



5. An emergency control for an emergency brake, said control comprising a rack having a slot opening through one end and a side thereof, first and second units slidably supported by said rack and including spring actuated pawls located adjacent said slot, a brake operating member connected to said first unit and movable between brake engaging and brake releasing positions, the pawl of said first unit being operable to lock to said rack against movement of said member towards a brake releasing position, a spring surrounding said rack and engaging said second unit, said second unit being engaged by said spring to be urged thereby to engage with and carry said first unit in a brake applying direction but with its pawl locking to said rack when said spring is compressed, and an operator control slidable in said rack slot between operative and inoperative positions and supported by said rack out of engagement with said pawl of said second unit in said inoperative position but to engage therewith as said control is moved into its operative position thereby to release said second unit to enable said spring to effect brake engagement.

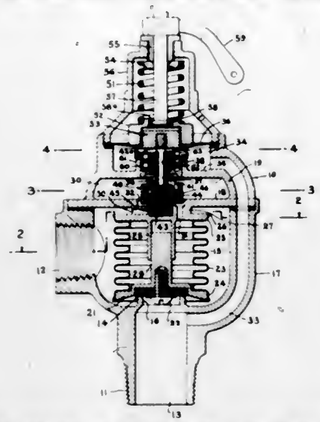
2,584,522
BOTTLE AND CLOSURE
Stanford J. Wolf, San Mateo, Calif., assignor to Schenley Industries, Inc., New York, N. Y., a corporation of Delaware
Application January 27, 1950, Serial No. 140,847
1 Claim. (Cl. 215—38)



A bottle having a body and a neck extending upwardly therefrom and integrally formed with an outstanding circumferentially extending bead spaced upwardly from its lower end, said bead gradually increasing in thickness towards its lower edge to form the bead with a circumferential surface extending downwardly at an outward incline and then inwardly to form a lower edge face constituting a shoulder, a cork collar fitting tightly about said neck and constituting a cylindrical gasket formed of thick cork and having a portion of the inner surface engaging under the shoulder of the bead to prevent accidental upward movement of the gasket off the neck, a stopper forced into the neck through the upper end thereof, and fitting tightly in said neck, and a removable hood enclosing the stopper and the neck and formed with an open lower end surrounded by a cylindrical mouth extending downwardly therefrom and fitting tightly about said gasket and of less depth than the length of the collar, said hood being formed at the upper end of said mouth with an internal circumferentially extending shoulder having a flat surface resting upon the upper edge face of said gasket and holding the lower edge of the mouth in upwardly spaced relation to portions of the body of the bottle surrounding the lower end of the neck and thus preventing chipping of the edge portion of the mouth when the hood is applied to the bottle.

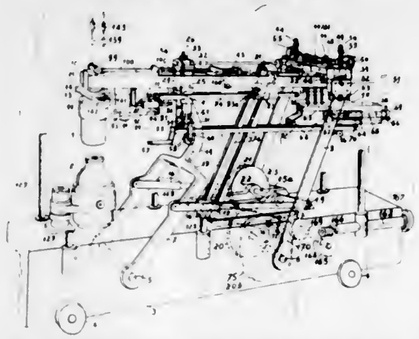
2,584,523
PRESSURE RELIEF VALVE
Erich W. Work, Hartford, Conn., assignor to The Beaton & Cadwell Mfg. Co., Inc., New Britain, Conn., a corporation of Connecticut
Application March 28, 1949, Serial No. 83,942
8 Claims. (Cl. 137—53)

1. In a relief valve having an inlet, an outlet, and a pressure chamber; mechanism for controlling pressure in said chamber comprising a valve means for admitting fluid from said inlet to said pressure chamber, a spring-pressed movable wall exposed to the pressure of fluid in said inlet, said movable wall being connected to said valve means and being movable in response to a predetermined pressure rise in said inlet fluid to completely close said valve means, a discharge valve for releasing fluid from said pressure chamber, a lost-motion connection between said movable wall and said discharge valve responsive to a further rise in said inlet pressure for opening said



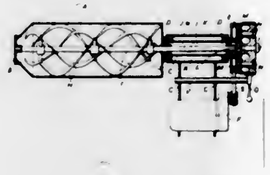
discharge valve, and means for continuously holding said valve means closed while said discharge valve is open, whereby a continuous discharge of fluid from said inlet through said pressure chamber to said outlet will be prevented.

2,584,524
SINGLE MOLD MACHINE FOR THE MANUFACTURE OF HOLLOW GLASS ARTICLES
Alphons Wyss, Bottmingen, near Basel, Switzerland
Application January 10, 1946, Serial No. 640,217
In Switzerland January 17, 1945
11 Claims. (Cl. 49—5)



1. In an automatic single mould machine for the manufacture of hollow glass articles, in combination, a carrying beam, an articulated swing lever framework on which said carrying beam is mounted, a finishing mould, a parison mould interchangeably fitted to said carrying beam and adapted by said frame-work to carry out a reciprocating swinging movement over the same length of the curved path between a gathering place in a furnace and a transfer place in which the finishing mould is situated irrespective of the height of the parison mould, an articulated connection between said carrying beam and said framework including one pivot for the front part of said beam and two pivots for the rear part thereof, vertically disposed guide means, carried by said front pivot, vertically disposed guide means carried by said rear pivots, said carrying beam having front and rear guide means engaging the vertically disposed guide means carried by said front and rear pivots, respectively, means for adjusting the height of said carrying beam vertically relatively to said pivots, during which adjustment said guide means are effective to ensure that the movement of the beam is vertical, and means adapted to tilt the carrying-beam about its front pivot, said tilting means including fixed tracks, vertically adjustable rollers provided on said rear adjustable member and cooperating with said tracks for effecting a lifting of the rear part of said beam and thereby said tilting movement when the parison-mould is in its foremost position to cause the latter to be dipped into the body of glass in the furnace.

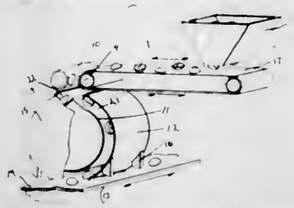
2,584,525
MIXING MACHINE
Ian Miller Edington Aitken, Banstead, England
Application September 4, 1947, Serial No. 772,057
In Great Britain September 9, 1946
5 Claims. (Cl. 259—85)



1. A mixing machine including a support having a substantially horizontal bearing; a horizontal drum with a closed end and an axial spindle disposed within the drum and projecting rotatably out through the closed end of said drum and rotatably through the bearing from one side of said bearing; a vaned rotor formed on the spindle within said drum; a hollow shaft connected to the drum and rotatably mounted in said bearing and rotatably supporting said spindle externally of one end of said drum; drive means for driving the hollow shaft; transmission means connected to said spindle, drive means and hollow shaft on the outer ends of the spindle and hollow shaft; and manually operated control means disposed exteriorly of the side of said bearing and exteriorly of said transmission means effective to selectively cause the drive means to rotate the drum and rotor positively in the same or opposite directions.

2,584,526
POSITIONER FOR HEMISPHERICAL FRUIT HALVES
John Albertoli, San Francisco, Calif.
Application December 3, 1945, Serial No. 632,477
3 Claims. (Cl. 209—72)

1. A positioner for substantially hemispherical fruit halves comprising a pair of horizontally disposed parallel rollers spaced apart a distance less than the diameter of such halves, means for feeding such halves to between said rollers for downward movement generally edgewise with the flat sides of said halves offset to one side or the other of a vertical plane bisecting the space between said rollers, a diverter in said plane disposed below said space for engagement with the convex under surfaces of said halves adjacent their flat sides to deflect the halves to one side or the other of said plane to positions with their flat sides facing upwardly, means for carrying the halves so deflected to a point of discharge, said means

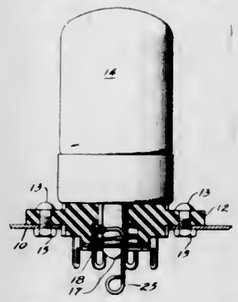


comprising a pair of generally semi-circular vertically extending chutes having opposed substantially semi-circular sides for holding said halves from tumbling while so carried and for delivering said halves to the lower ends of said chutes with their flat sides facing downwardly.

2,584,527
UNSATURATED DICARBOXYLIC ACIDS AND ESTERS AND THEIR PREPARATION
Charles J. Albisetti, Jr., and Norman G. Fisher, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 2, 1949, Serial No. 125,164
17 Claims. (Cl. 260—485)

1. A difunctional compound consisting solely of hydrocarbon apart from the two functional groups and having an open-chain of seven contiguous aliphatic carbon atoms separating said two functional groups with a single non-conjugated ethylenic linkage and that attached to the fourth carbon atom in the said seven-carbon chain, the two functional group being identical and being represented by the radical —COOX wherein X is selected from the class consisting of hydrogen and monovalent hydrocarbon radicals of 1 to 10 carbon atoms free from aliphatic unsaturation.

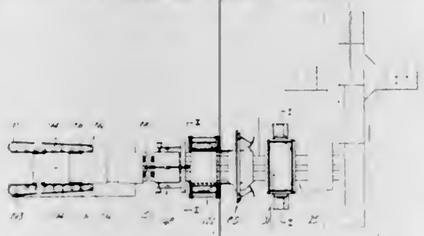
2,584,528
SOCKET CONTACT OF SPRING WIRE
Robert H. Alexander, Warren, Pa., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application April 28, 1948, Serial No. 23,719
12 Claims. (Cl. 173—328)



2. A lock-in socket including a base member of insulating material, said base member having an aperture adapted to receive a lock-in contact prong, a portion of said aperture being enlarged and having a screw thread on its interior surface, a contact member including a length of spring

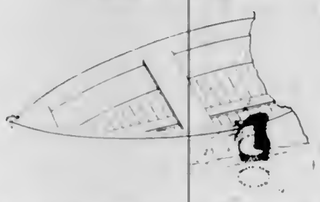
wire having an intermediate portion formed in a helix adapted to engage said screw thread, another portion of said wire being formed into a pair of parallel portions lying in a plane normal to the axis of said helix and adapted to engage said contact prong, another portion of said wire extending along the axis of said helix and terminating in a loop for making electrical connection to said wire.

2,584,529
PACKAGING MACHINE
Howard G. Allen, Niagara Falls, N. Y., assignor to Savannah Sugar Refining Corporation, Savannah, Ga.
Application April 28, 1950, Serial No. 158,890
16 Claims. (Cl. 53—148)



8. Apparatus for closing and securing the ends of a bag which has been wrapped about the ultimate contents and secured in open-ended tubular form projecting beyond the contents at opposite ends, said apparatus comprising conveying means adapted to move successive bags intermittently to and then beyond a plurality of work stations with the ends of the bags projecting laterally beyond the conveying means, means at one of said work stations for folding opposed projecting sides at each end of the bag over the bag contents leaving projecting flaps at the upper and lower edges of the bag ends, means beyond said folding station including a vertical plate at each end of the bag extending between the projecting flaps and lying substantially against the folded portions of the bag ends, and roller means operable to press each projecting flap against said plate to render the flaps flat and to crease the same along the lines of their joinder with the body of the bag, and means beyond said pressing station for applying an adhesive coating and closing the flaps securely over the already folded end wall portions to complete the bag formation.

2,584,530
FISH NET
Boyd C. Anderson, St. Marys, Ohio
Application February 24, 1950, Serial No. 146,057
1 Claim. (Cl. 43—55)

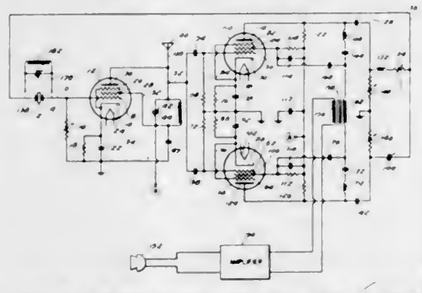


A fish holder adapted for attachment to the gunwale of a boat comprising a first pair of spaced legs having adjoining upper and lower ends, a fish net, the upper end of each leg having a laterally extending arm attached thereto, said arms being coplanar and projecting downwardly from the respective upper ends of said legs at an angle less than 90 degrees with respect to the longitudinal axis of each respective leg, a second pair of legs, each leg of said second pair of legs having upper and lower ends, the upper ends of said second pair of legs being connected to and extending from the other ends of said arms and the lower ends of said second pair of legs being disposed adjacent to and in confronting relation with the lower ends of said first pair of legs, said second pair of legs extending at a different angle from the arms than the angle at which the first pair of legs extends from said arms, a bar connecting the upper ends of the second pair of legs, and an arcuate member attached to and extending at an angle from the upper ends of the second pair of legs, said fish net having its upper end secured to said arcuate member.

2,584,531
METAL MOLYBDITE CATALYZED HYDROGENATION PROCESS
Herrick R. Arnold, Wilmington, and James E. Carnahan, New Castle, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 9, 1950, Serial No. 143,352
21 Claims. (Cl. 260—666)

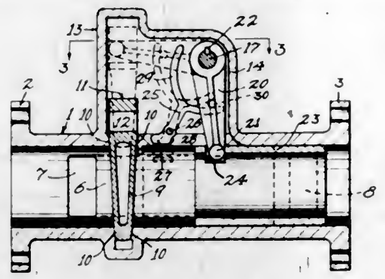
1. In a process for the hydrogenation of an organic compound capable of undergoing hydrogenation with hydrogen in the presence of a hydrogenation catalyst, the improvement which comprises contacting said organic compound at a temperature of 25° to 500° C. with hydrogen and a molybdite of a metal whose ions are soluble in aqueous ammonia in amount greater than that stoichiometrically required to precipitate the metal ion, said metal molybdite being a metal salt of an acid selected from the class consisting of the acid having the formula H_2MoO_2 and the acid having the formula H_2MoO_3.

2,584,532
MODULATION SYSTEM
Arnold B. Bailey, Scotch Plains, N. J.
Application March 12, 1948, Serial No. 14,585
2 Claims. (Cl. 332—23)



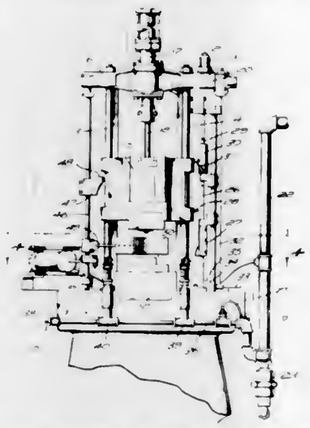
1. In a transmission system, the method of producing a frequency modulated signal comprising the steps of amplifying a first signal, dividing said signal into at least two components, oppositely shifting the instantaneous phase of at least two of said components relative to each other, varying the magnitude of the shifted components in accordance with an applied modulation signal, passing said components along a common path, differentially impeding the flow of said components along said common path, the impeding being least substantially at the center of the frequency range covered by said signal components, and combining the resulting signal with said first signal and reamplifying it therewith.

2,584,533
PRESSURE EQUALIZING VALVE
David B. Baker, Kennewick, Wash.
Application June 14, 1948, Serial No. 32,861
6 Claims. (Cl. 277—12)



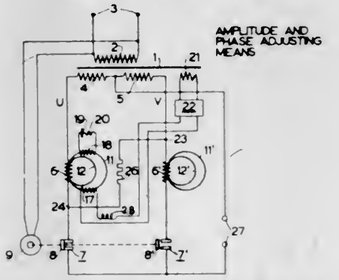
1. In an equalizing valve device, the combination with a casing including an interior barrel forming a fluid conveying passage therethrough and a pair of longitudinally extending by-pass ducts exterior of the barrel, and said barrel having up-stream ports open to the ducts and down-stream ports open to the ducts, of a transverse gate-valve seated in the barrel at the down-stream side of the up-stream ports and operating means for reciprocating said valve, a tubular valve slidable in the barrel and casing for controlling the down-stream ports, and said slide valve having means adapted to coact with the operating means for reciprocating the slide valve.

2,584,534
DROP HAMMER SAFETY DEVICE
George E. Barnhardtson, North Providence, R. I.
Application November 20, 1946, Serial No. 711,093
5 Claims. (Cl. 192—129)



1. A safety device for a drop hammer having an anvil, a drop head, and mechanism for lifting and for releasing the drop head, comprising a lock element normally positioned in the path of downward movement of the drop head for preventing said downward movement and an anvil sweep adapted to move across the face of the anvil, and manually operative means for initiating downward movement of the drop head for shifting the lock element out of the path of the drop head and for moving the anvil sweep across the face of the anvil, and means operative upon lifting movement of the drop head for shifting the lock element back into the path of the drop head and for moving the anvil sweep back to its original position.

2,584,535
SYSTEM FOR REDUCING CONTACT ARCING IN SYNCHRONOUS SWITCHING APPARATUS
Michael Belamin, Nuremberg, Germany, assignor to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application December 4, 1950, Serial No. 199,005
In Germany October 1, 1948
7 Claims. (Cl. 175—294)



1. In electric switching apparatus having a plurality of parallel connected and mutually phase-displaced phase circuits and having in each of said phase circuits a saturable commutation reactor and, in series therewith, a contact means synchronous with the phase current to open said phase circuit near a current zero passage, said reactor having premagnetizing means comprising a main excitation circuit of stabilized sinusoidal current and an auxiliary excitation circuit, said auxiliary excitation circuit being substantially free of inductance and extending from a point of one phase circuit between reactor and contact means to a point of another phase circuit at the reactor side remote from the contact means.

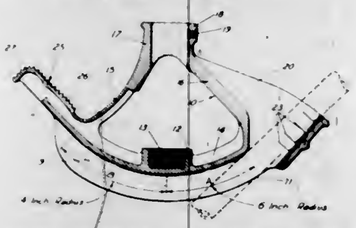
2,584,536
MEANS FOR MAKING HAMBURGERS
Augustus H. Belt, Bloomington, Ill.
Application October 15, 1948, Serial No. 54,806
1 Claim. (Cl. 99—349)



Means for preparing and cooking ground meat patties for use in hamburgers comprising a mold having on its under side a shallow cavity of predetermined shape including at its marginal edge portion an upright form-defining wall, said cavity being of maximum depth at its center portion with gradually diminishing depth toward said form-defining wall, said cavity having a contents capacity of predetermined relation to a ground meat ball of given content and a handle

on the side of the mold opposite from said cavity connected only to said mold and manually operable for pressing down on such meat ball which has been placed on a heated cooking surface, and by such pressure causing the bottom surface of the cavity to spread the meat ball to the full capacity of the cavity thereby forming a meat patty the marginal edge of which is confined and shaped by said upright edge wall of the mold and said downward pressure serving to uniformly press the meat patty against the heated surface and to promote searing of the under side of the meat patty and retaining the form thereof defined by said cavity, said handle being operable in a turning movement to move the mold with relation to the meat patty about its center axis and further operable to lift the mold from the meat patty.

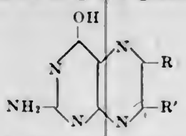
2,584,537
PIPE AND TUBING BENDER
John D. Benfield, Detroit, Mich.
Application November 25, 1946, Serial No. 712,205
3 Claims. (Cl. 81—15)



1. A pipe, raceway, rod, conduit and tubing bender, comprising a body portion, a curved base portion formed on the body portion, and a work-engaging hook portion, said curved base portion providing an arcuate groove having an arc of dual radius of curvature with each arc section being of substantially equal length, the arc section having the greater radius of curvature being located adjacent the work-engaging hook portion.

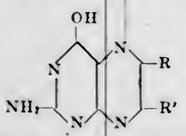
2,584,538
6 AND 7-BROMOMETHYL PTERIDINES AND PROCESS OF PREPARING SAME
James H. Boothe, Pearl River, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 24, 1948, Serial No. 35,069
10 Claims. (Cl. 260—251.5)

1. Compounds having the general formula:

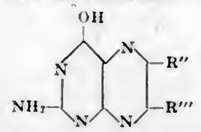


in which R and R′ are members of the group consisting of hydrogen, methyl, bromomethyl and dibromomethyl radicals, at least one of which is a bromomethyl radical.

6. A method of preparing compounds having the formula:



in which R and R′ are members of the group consisting of hydrogen, methyl, bromomethyl and dibromomethyl radicals, at least one of which is a bromomethyl radical, which comprises heating a compound having the formula:



in which R′′ and R′′′ are members of the group consisting of hydrogen and methyl radicals, at least one of which is a methyl radical with bromine in a suitable solvent and recovering said bromomethyl pteridine therefrom.

2,584,539
REACTION OF LIMONENE WITH CARBON MONOXIDE AND HYDROGEN
Carl Bordenca and Wilbur Arthur Lazier, Birmingham, Ala., assignors to Food Machinery and Chemical Corporation, a corporation of Delaware
No Drawing. Application July 20, 1946, Serial No. 685,241
3 Claims. (Cl. 260—598)

1. A process which comprises reacting limonene with carbon monoxide and hydrogen in the presence of Raney cobalt at a temperature of approximately 130–175° C., a pressure at the reaction temperature of from 1000 to 5000 pounds per square inch, and for a time within the range of 0.5 to 10 hours.

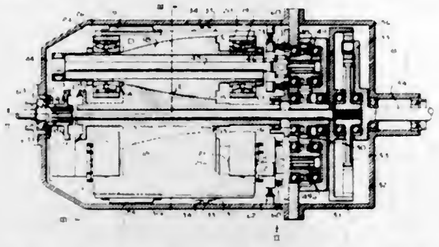
2,584,540
COLOSTOMY POUCH
Irving E. Botvin and Theodore Torman, Providence, R. I.
Application January 27, 1950, Serial No. 140,848
2 Claims. (Cl. 128—283)



1. In a colostomy pouch, a body portion having an opening, a ring element having a passageway and an annular groove receiving the edges of said opening, and lock means for removably locking the edges in the groove, said lock means comprising a rubber band.

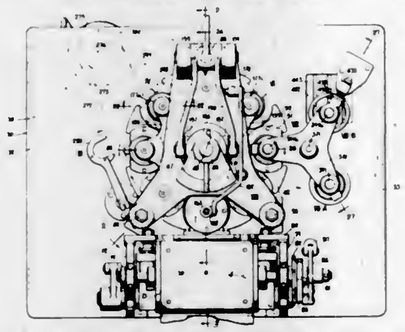
2,584,541
VARIABLE-SPEED TRANSMISSION
William M. Brobeck, Berkeley, Calif.
Application November 24, 1947, Serial No. 787,748
9 Claims. (Cl. 74—191)

1. In a variable speed friction transmission a driving shaft operably connected to a source of rotating power, a first cam splined to said driving shaft, a driving roller operable to vary the contact force in proportion to the tangential force, the said driving roller having a longitudinal concave curved surface which curve is the true arc of a circle, a second cam integral with said driving roller with its cam face opposed to the cam face of said first cam, a plurality of balls retained between the cam surfaces of said first and second cams for transmitting the motion from one to the other, a pair of substantially identical driven rollers having their longitudinal axis in substantially the same horizontal plane as that of the driving roller and having longitudinal convex curved surfaces the curve



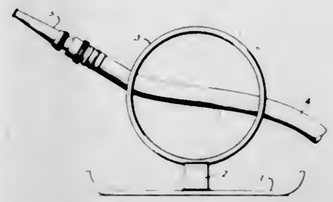
of which is the true arc of a circle, means operable in conjunction with the said first and second cams for varying the contact force between said driving roller and said driven rollers automatically as the load increases or decreases, an output shaft, and means for securing the effects of the operation of said contacting rollers on the said output shaft.

2,584,542
APPARATUS FOR MAKING TUBULAR PAPER CONTAINERS
John Henry Brown, Jr., Sands Point, N. Y., assignor to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application April 2, 1947, Serial No. 738,827
18 Claims. (Cl. 93—36.1)



1. In apparatus for making receptacle bodies from blanks of paper or the like sheet material, the combination of mechanism for prefolding said blank into approximate body form including a prefolding receptacle having a longitudinally extending fixed wall peripherally disposed about its longitudinal axis and provided with a relatively narrow longitudinally extending mouth, a feed member reciprocable toward and away from said mouth in a direction transverse said receptacle, mechanism for moving said feed member from the exterior of said receptacle through said mouth to thereby deliver a blank through said mouth and into said receptacle for folding said blank into approximate body form, and a second feed member reciprocable longitudinally of said folder for ejecting said folded blank from the lower end of said folder, a female die movable into register with said shell for receiving said folded blank, a male die having a complementary contour conforming to said female die, and mechanism for relatively moving said female and male dies into axial alignment and axially into cooperative relationship to thereby press said prefolded blank into body form.

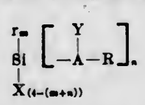
2,584,543
SPRINKLER HOSE HOLDER
Luther E. Brown, Greggton, Tex.
Application May 26, 1948, Serial No. 95,438
2 Claims. (Cl. 248—80)



2. A holder of the character described comprising, spaced runners whose ends are upturned, an inverted U-shaped cross-bar whose ends are secured to the runners, annular grip members spaced apart and in approximately concentric parallel relation welded directly upon and upstanding from the cross-bar to receive and grip a hose between them, said grip members being slightly flexible.

2,584,544
ORGANO-SILICON COMPOUNDS
Raymond H. Bunnell, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application April 2, 1949, Serial No. 85,256
12 Claims. (Cl. 260—448.2)

1. An organosilicon compound having the general formula

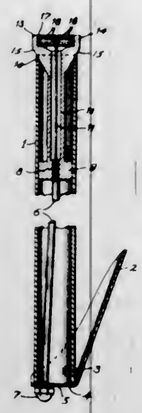


wherein n is an integer from 1 to 2; the sum of m and n is an integer from 1 to 2; r is a saturated monovalent hydrocarbon radical having from one to two carbon atoms; R is a monovalent aromatic radical which has from six to eighteen nuclear carbon atoms and in which any groups other than nuclear carbon and hydrogen atoms consist of not more than five halogens each having an atomic weight less than 80, and not more than two methyl groups; A is a saturated trivalent normal hydrocarbon radical having from two to four carbon atoms, the silicon atom and Y being connected to two adjacent carbon atoms; X is a halogen having an atomic weight less than 80; and Y is a halogen having an atomic weight between 35 and 80.

2,584,545
MANIPULATOR FOR STARTER PLUGS
Edward M. Caferro, Spokane, Wash., assignor to Columbia Electric and Manufacturing Company, Spokane, Wash.
Application June 30, 1949, Serial No. 102,259
1 Claim. (Cl. 294—100)

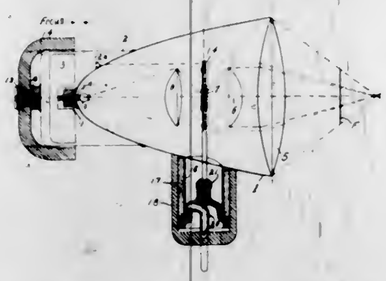
In a starter-plug manipulator, the combination with a tubular pole having an upper bevel-end forming a cam-seat, an operating lever pivoted on the exterior of the pole, and an arm of the lever closing the lower end of the pole,

a split tubular grasper having a solid inner head and slidable in the tubular pole, said tubular grasper terminating in radially arranged resiliently opened clamp jaws, said jaws having ex-



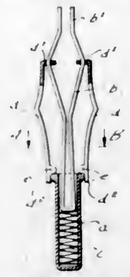
terior cam faces for coaction with the cam seat in closing the jaws, and an operating rod within the tubular pole connecting the slide head with said lever arm.

2,584,546
LIGHT-BEAM PROJECTING MEANS FOR PROJECTING PICTURES, FLOODLIGHTING, SPOTLIGHTING, ETC.
Arthur T. Cahill, Weehawken, N. J., and Lawrence Victor Merrill, Brooklyn, N. Y.
Application August 2, 1950, Serial No. 177,198
23 Claims. (Cl. 313—111)



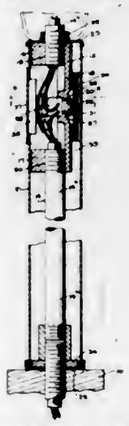
1. Light-beam projecting means for projecting pictures, or for floodlighting, spot lighting, etc. comprising in combination; an air-evacuated, inert, gas-filled, sealed shell of parabolic shape containing an electric light source, and having an inner light-reflecting surface, lens means in said shell in advance of said light source for projecting light beams from said light source forward upon the picture to be projected, lens means in said shell in the rear of said light source for projecting light beams rearwardly from said light source, and light-reflecting means in said shell in the rear of said last mentioned lens means at approximately the focal point, and spaced from the inner surface of said shell, onto the surface of which light-reflecting means the light beams are received from said last mentioned lens means and are reflected therefrom onto the inner surface of said shell, and from thence are reflected forward onto the picture to be projected.

2,584,547
HAIR TWEEZERS WITH AUTOMATIC TRACTION
Benjamin Cahn, Paris, France
Application February 12, 1948, Serial No. 7,798
In France November 26, 1947
4 Claims. (Cl. 128—354)



2. Tweezers comprising a hollow body defining a handle having therein a socket open at its front end and unobstructed throughout its length, a gripper having resilient longitudinally extending branches connected at their rear ends, said gripper being slidable longitudinally in said socket and being freely insertable and removable through the open front end of the socket, a spring in said socket urging the gripper outwardly, the resilient branches of said gripper being normally spaced from each other and having portions converging forwardly and terminating in parallel portions constituting jaws, and arms pivoted at opposite sides of the open front end of said body and extending forwardly therefrom and at their front ends being formed with fingers extending inwardly towards each other and bearing against the converging portions of the branches and serving to force the branches towards each other to a gripping position and then shift the gripper rearwardly in a pulling motion by cam action between the fingers and the forwardly converging portions of the branches when the arms are pressed towards each other.

2,584,548
LAMP CONSTRUCTION HAVING COLUMN SWITCHING MEANS
Paul C. Calissi, Darby, Pa.
Application June 10, 1950, Serial No. 167,338
3 Claims. (Cl. 240—123)



1. In a lamp including a base and a stationary vertical support secured thereto, a switch carrier

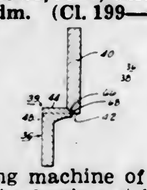
interposed in the vertical length of said support, said carrier having vertically spaced portions respectively connected to proximate ends of vertically spaced sections of said support, a snap-switch unit non-rotatably mounted upon said carrier intermediate the vertically spaced portions thereof, said switch unit having an operating lever shiftable in a plane normal to the axis of said support, a tubular shell rotatable about said support, said shell being of uniform diameter throughout the portion thereof which extends from well below the bottom end of said carrier to the top end thereof, means for supporting said tubular shell against axial movement relatively to said support, and a vertically extending channel secured to said shell internally thereof for operative engagement with said operating lever of the switch unit, whereby upon rotation of said shell about its vertical axis in one direction or the other said switch is operated to open or close the lamp circuit.

2,584,549
DEER CALL
Arthur H. Carhart, Denver, Colo.
Application March 31, 1947, Serial No. 738,252
4 Claims. (Cl. 46—180)



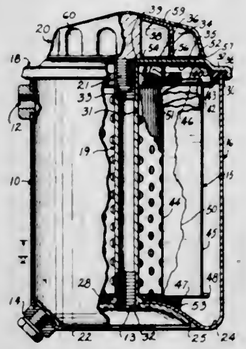
1. A game call comprising contiguous elongated upper and lower sections, said upper and lower sections having longitudinally concave recesses located centrally on their contiguous surfaces, said recesses forming an opening of uniform transverse section converging adjacent both ends of said sections, a continuous elastic band tensioned longitudinally through said opening, said band extending outwardly through one of said sections adjacent the two points of convergence, and said elastic band also extending around both ends of said sections and longitudinally over the outer surface of the other one of said sections whereby said continuous elastic band holds said sections to each other in operative relation and provides a vibratory means for propagation of sound in said opening.

2,584,550
CASTING MECHANISM
Samuel J. Carnes, Camden, Ark.
Application June 23, 1947, Serial No. 756,406
1 Claim. (Cl. 199—47)



In a type-casting machine of the kind which includes a mold disc having at least one display mold, an elevator movable into a lower casting, and into an upper, non-casting position, a safety mechanism normally locking said machine against operation and adapted to be released by said elevator when the latter moves to its lower casting position to permit operation of said machine, the structure of said machine being such that, when a display mold is in casting position, the elevator will, when it moves to its lower casting position, be at a lower level than, and will therefore be out of alignment with said display mold but will be in a position to release said safety mechanism unless a filler piece of the necessary thickness is placed between the elevator and the safety mechanism to bring the elevator into proper alignment with the display mold while still permitting the elevator to release said safety mechanism, a lug located adjacent said display mold and projecting toward the juxtaposed face of said elevator, and a plate carried by said elevator in juxtaposition to said lug, said lug and said plate being so related that, when the elevator and the display mold are in proper alignment, the bottom edge of said plate, when said display mold and said elevator are in lock-up position, will ride on the upper surface of said lug and so that, when said elevator and said display mold are not in proper alignment, the lower portion of the plate will abut the upper portion of said lug, the invention which resides in bevelling the upper portion of said lug to provide a surface which slants upwardly in the direction of the mold disc and in also bevelling the lower portion of said plate to provide a surface which slants downwardly in the direction of the elevator, whereby the lower slanted edge of said plate will ride over the upper slanted edge of the lug when the mold and the elevator are brought into lock-up position while the display mold and the elevator are not in proper alignment, to keep the elevator in an upper position in which it can not release the said safety mechanism unless the said filler piece is in position.

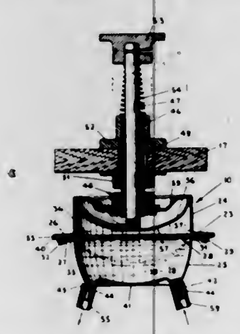
2,584,551
FILTERING APPARATUS
Herbert I. Chambers and Louis B. Ehrlich, Toledo, Ohio
Application March 11, 1949, Serial No. 80,974
8 Claims. (Cl. 210—183)



1. A filter comprising a tubular container having one of its ends open provided with ports for admitting and discharging liquids therefrom, a hollow post having its lower end attached to and projecting inwardly of said container from said outlet port, a filtering element adapted to be removably supported within said container being provided with perforated side walls and having imperforated annular end heads engaging said hollow post for retaining the filtering element in spaced relation with respect to said post and the walls of said container, resilient annular means carried by the outer surface of each of said annular end heads, a cover for the open section of said container, a depending flange carried by the under side of said cover, means for clamping said cover to

said container including a member projecting through said cover and having a threaded connection with the upper section of said hollow post, an enlarged head for manually turning said member and urging the inner surface of the cover into abutting engagement with the upper end of said hollow post whereby the filtering element is held in fixed relation within the casing separating the inlet and outlet ports through the engagement of the depending flange carried by the under side of said cover and bottom of the container with the resilient annular means carried by the end heads of the filtering element.

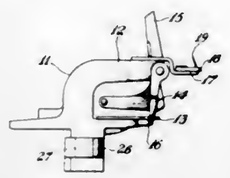
2,584,552
DIAPHRAGM PUMP
Leonard C. Neufeld, Des Moines, Iowa, assignor to The Delman Corporation, Des Moines, Iowa, a corporation of Iowa
Application April 12, 1948, Serial No. 20,532
1 Claim. (Cl. 103—152)



In a diaphragm pump, a casing having a flexible normally flat diaphragm member extending transversely across the casing to form a motor chamber and a working chamber therein, fluid inlet and outlet means for said working chamber, means for flexing said diaphragm toward said working chamber including a plunger in said motor chamber having a head member in said motor chamber formed with a continuously smooth convexly curved surface arranged opposite said diaphragm, said head member being normally spaced from the diaphragm during inoperative periods of the pump, said diaphragm throughout its extent within the casing being flexibly movable transversely of said continuously smooth surface of the head member at all moved positions of the plunger, the maximum transverse dimension of said head member being substantially equal to the transverse dimension of that part of the diaphragm located within the confines of said casing, so that on movement of the plunger toward the working chamber, said part of the diaphragm is progressively flexed into full bearing engagement with said continuously smooth convexly curved surface of the head member and is fully supported thereby against flexing movement toward said motor chamber.

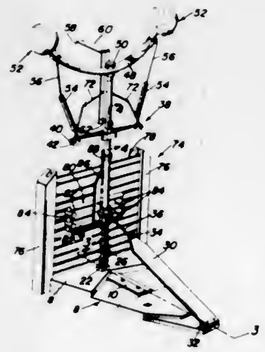
2,584,553
CLAMP AND PIN TENTER CLIP
John H. Ciciva, Hohokus, N. J.
Application May 12, 1949, Serial No. 92,899
2 Claims. (Cl. 26—62)

1. A tenter-clip comprising a body member, a fabric supporting plate attached thereto, a clamp pivotally attached to the body member above the plate and gravitationally bearing thereon, a rack positioned on the body member above and parallel to the plane of the plate, and



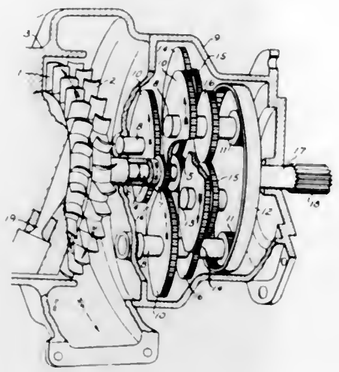
a plurality of pins extending upwardly from the rack.

2,584,554
MULTIPURPOSE RHYTHM DEVICE
Everett H. W. Clayton, Long Island City, N. Y.
Application June 28, 1950, Serial No. 170,860
10 Claims. (Cl. 84—170)



10. A rhythm device of the class shown and described comprising a base, a vertically disposed corrugated plate attached to and rising from one end of the base, a standard attached to and rising vertically from the base and disposed in parallelism with said corrugated diaphragm, a sleeve vertically reciprocable on said standard, a coiled spring surrounding the standard and interposed between the base and one end of the sleeve, a foot pedal hingedly mounted on the base and operatively connected with said sleeve for moving the latter up and down, a resilient arm fastened to and depending said sleeve and interposed between the sleeve and corrugated diaphragm, a head structure mounted on the lower end of said arm and shiftable up and down in relation to the diaphragm and provided with fingers in raking contact with the corrugations of the diaphragm, a bow-spring mounted on the upper end of said standard, rhythm-producing shaker devices attached to the respective outer ends of said bow-spring, a cross-head secured to the upper end of said sleeve, operating connections between the end portions respectively of the cross-head and bow-spring, a pair of opposed clappers, one clapper hingedly mounted on said standard and the other clapper hingedly mounted on the first-named clapper, and push-pull rods secured at their upper ends to the respective clappers and at their lower ends to the outer end portions of said cross-head.

2,584,555
SPEED CONTROL MEANS FOR GAS TURBINES USED AS STARTING TURBINES
Edgar Sherville Cleave, Chigwell, and David Roy Trowbridge, Hornchurch, England, assignors to The Plessey Company Limited, Ilford, England, a British company
Application October 3, 1949, Serial No. 119,248
In Great Britain October 1, 1948
1 Claim. (Cl. 253—16.5)



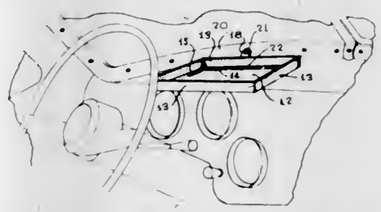
A cordite gas operated starting turbine comprising a casing, a pair of concentrically arranged blade turbine wheels in the casing, means for conducting cordite gases to one of said turbine wheels and from the latter to the other turbine wheel to rotate the wheels in opposite directions, a driven member arranged for connection with a load, means connecting said turbine wheels with the driven member for combining the torques developed by the oppositely rotating turbine members and for rotating the driven member in one direction, the blades of at least one of said turbine wheels being constructed and arranged at an angle so that during opposite rotation of said turbine wheels above a predetermined speed when the load is decreased, the gases exhausted from said one turbine wheel will strike the backs of the blades of said other turbine wheel to exert a braking effect on both turbine wheels through said connecting means to prevent overspeeding of said turbine, said connecting means comprising concentric shafts respectively connected to the turbine wheels, a gear pinion fixed to the end of each concentric shaft, a gear box, three lay shafts mounted in said gear box, a gear wheel fixed to each lay shaft engaging with the gear pinion fixed to the outer concentric shaft, a pinion fixed to one end of each lay shaft, a ring gear meshing with the pinions fixed to said lay shafts, three countershafts spaced about said concentric shafts and positioned in said gear box, a gear wheel fixed to each said countershaft engaging with the pinion fixed to the inner concentric shaft, a second gear wheel fixed to each countershaft, an intermediate gear wheel fixed to each respective lay shaft between the first named gear wheel and the pinion on each respective lay shaft and engaging with the respective second gear wheels for reversing the drive from the countershafts to the lay shafts, and said driven member comprising a common splined shaft fixed to the outer face of said ring gear whereby said ring gear transmits the composite drive from the oppositely rotating turbine wheels to the common shaft in one direction, all of said shafts being parallel with each other.

2,584,556
DIAPHRAGM CONTROL SLIP
Sydne Cousins, Long Beach, N. Y.
Application June 2, 1947, Serial No. 751,879
2 Claims. (Cl. 2—73)



1. A feminine undergarment comprising a molding and constricting band predominantly of circumferentially resilient material, the upper edge of said band constituting the upper edge of said garment and adapted to encircle the body and to be disposed immediately below the breasts, the lower edge of said band adapted to encircle the body in the region of the umbilicus, said undergarment also including a skirt portion whose upper edge is secured to the molding and constricting band between the upper and lower edges thereof by circumferentially expansible stitching between said band and said skirt.

2,584,557
ADJUSTABLY SECURED TRAY FOR MOTOR VEHICLES
Willis E. Cuthbertson, Plymouth, Ind.
Application September 19, 1950, Serial No. 185,643
1 Claim. (Cl. 311—21)



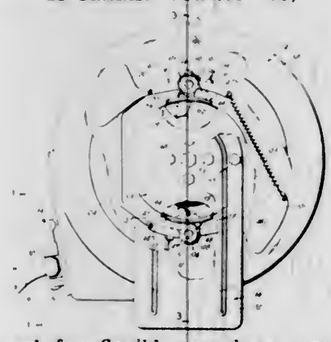
A tray device of the character described comprising an elongated bracket member of flat bar stock, an apertured arcuate extension at one end of said bracket member, said extension forming an obtuse angle with said bracket member and adapted to fit over the windshield molding of a motor vehicle, said extension being formed with a plurality of holes, whereby said bracket member may be secured to said molding by one of the fastening elements of said molding, the bracket member being formed with a longitudinal slot, a tray member supported on the slotted portion of said bracket member, said tray member being provided with upstanding marginal walls and the bottom of said tray member being formed with a plurality of elongated slots adjacent and parallel to said marginal walls, and a bolt extending through a selected one of said slots in the bottom of said tray member and the slot in the bracket member, whereby said tray member may be adjustably secured to said bracket member in any of a plurality of adjusted positions.

2,584,558
INTERMITTENT DRIVE MECHANISM
Harry da Costa, Snaresbrook, England, assignor to The Plessey Company Limited, Ilford, England, a British company
Application June 27, 1950, Serial No. 170,507
In Great Britain June 30, 1949
3 Claims. (Cl. 74—437)



3. In an intermittent drive mechanism, a base plate, a cam gear formed with at least two lobes rotatably mounted upon said base plate, a driving pinion carried by the base in off-set relation to said cam gear, a spring loaded displaceable lever mounted on the base plate, a jockey pinion carried thereby, said jockey pinion in constant mesh with the cam gear, said latch member has a toothed element, a pawl pivoted to the base engaging with the toothed element in said displaceable lever whereby the jockey pinion is held out of engagement with the driving pinion, a control member connected to the pawl for disengaging same from the displaceable lever thereby permitting the jockey pinion to engage with the driving pinion and a stop pin fixed to the base plate for limiting the movement of the displaceable lever when released to prevent interlocking of the gears.

2,584,559
REEL
William P. Dalrymple, Rochester, N. Y., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application July 22, 1948, Serial No. 40,121
15 Claims. (Cl. 299—78)



1. A reel for flexible members comprising a spindle, a spool for holding loops of such a flexible member, said spool being mounted on said spindle for rotation thereon in a winding and an unwinding direction, means urging said spool in a winding direction, a stationary member mounted concentrically of said spindle, braking means pivotally mounted on said spool and normally frictionally engaging said stationary member to releasably hold said spool in predetermined position against the urging of said first named means, spring means urging said braking means toward engagement with said stationary member, and actuating means connected to said braking means operable upon rotation of said spool in an unwinding direction at less than a predetermined speed to move said braking means away from engagement with said stationary member, said actuating means being operable upon rotation of said spool in an unwinding direction at more than said predetermined speed to move said braking means into engagement with said stationary member.

2,584,560
METHOD OF COOLING EXPLOSION ENGINES
Albert Alexandre Augustin Darche, Bondy, France
Application January 17, 1948, Serial No. 2,890
In France August 2, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires August 2, 1966
4 Claims. (Cl. 123—25)

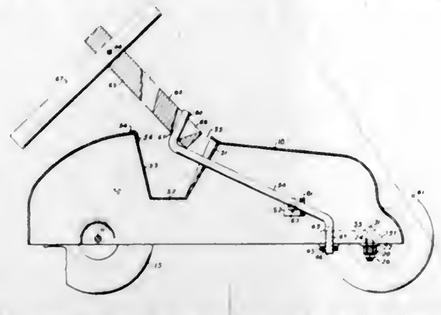


1. A method of using an aqueous liquid in internal combustion engines in which the combustion chamber is divided into a main combustion chamber provided with ignition means and an auxiliary chamber communicating with said main chamber which consists in introducing in the course of the suction stroke carburetted air through the auxiliary chamber into the engine cylinder, said carburetted air being thus led indirectly into the main chamber, and after the end of the suction stroke and during at least part of the compression stroke injecting an aqueous liquid into the auxiliary chamber with the result that it is retained therein by the compression pressure and that the carburetted mixture in the main chamber is free from any aqueous liquid, so that as the mixture is ignited in the main chamber the combustion will begin in the said main chamber that contains carburetted air and is completed in the said auxiliary chamber that contains a mixture of carburetted air with water.

2,584,561
AUXILIARY STEERING DEVICE FOR TOY VEHICLES
Oscar W. Denny, Greensboro, N. C.
Application April 10, 1948, Serial No. 20,224
1 Claim. (Cl. 46—201)

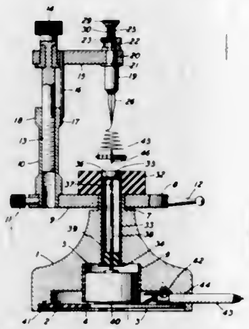
In a toy vehicle having dirigible front wheels and having a steering rod for steering the front wheels, said steering rod extending upwardly and rearwardly and having a right angular crank portion on its upper end, whereby upon manual movement of said crank, the steering rod can be rotated on its own longitudinal axis for steering

the front wheels of the toy vehicle, an extension steering shaft having a slot in its lower end for receiving the crank portion on the upper end of said steering rod, said slot being wider at the upper end thereof than at the lower end and having diverging side walls to permit variation of the angle at which the extension steering shaft is



held relative to the steering rod, said extension steering shaft comprising a single shaft having a bore in the upper end thereof and being provided with a transverse member positioned in said bore for imparting rotation thereto, and whereby upon rotation of the extension steering shaft along its longitudinal axis, movement of the steering rod along its longitudinal axis may be effected.

2,584,562
APPARATUS FOR TIMING HAIRSPRINGS
Frank Dostal, Great Neck, N. Y., assignor to American Time Products, Inc., New York, N. Y., a corporation of Delaware
Application July 2, 1948, Serial No. 36,685
4 Claims. (Cl. 73—6)



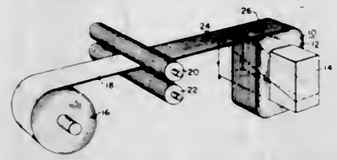
1. Apparatus for determining the period of vibration of an electrically conductive spiral spring and attached mass assembly, comprising an electrical circuit, an electrically conductive means in the circuit for suspending the spring and mass assembly at the free end of the spiral spring, an electrically conductive base positioned at a predetermined distance below the suspending means and aligned therewith, a source of electric potential connected serially in the circuit between the suspending means and the base, the said distance being such that the suspended spring and mass assembly at rest does not touch the base and when vibrating axially just engages the base at its maximum downward throw to permit a pulse of current to flow from the source, means for imparting limited rotary motion to the suspending means, and an electrical pulse indicating circuit connected in parallel to the electrical circuit.

2,584,563
DISPLAY CANDLE
Dwight W. Duncan, Santa Ana, Calif.
Application November 8, 1949, Serial No. 126,123
10 Claims. (Cl. 40—130)



1. A device for the display of advertising matter comprising, in combination with a candle of such diametral proportions relative to the size of the candle wick that the interior of the candle will burn while leaving the exterior of the candle as an unmelted wall, said candle being of translucent material: advertising insignia carried by said candle adjacent the exterior of said wall and of contrasting color to said candle so as to be visible when said candle is unlighted and of sufficient opacity to be contrastingly illuminated by light from said candle penetrating said wall.

2,584,564
MAGNETIC CORE MEMBER
Belvin B. Ellis, Jamestown, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 27, 1950, Serial No. 158,383
16 Claims. (Cl. 175—356)

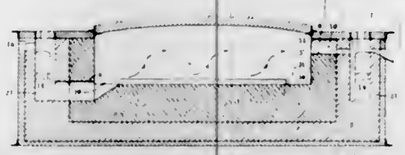


1. A core member for electrical induction apparatus comprising, in combination, a plurality of turns of magnetic strip material having a thickness of not more than about .020 inch wound flatwise one upon another to provide a substantially rectangular member of predetermined shape and size, the strip material having a predetermined linear deformation applied thereto longitudinally throughout the length of the wound strip and intermediate the edges thereof, the linear deformation in one turn nesting in the linear deformation of the next turn to prevent lateral relative movement of the turns after they are wound and increase the strength and rigidity of the substantially rectangular member.

2,584,565
FUSED BATH ELECTROLYTIC CELL FOR THE PRODUCTION AND REFINING OF METALS
Louis Ferrand, Paris, France
Application August 12, 1946, Serial No. 689,921
In France August 11, 1943
Section 1, Public Law 690, August 8, 1946.
Patent expires August 11, 1963
3 Claims. (Cl. 204—243)

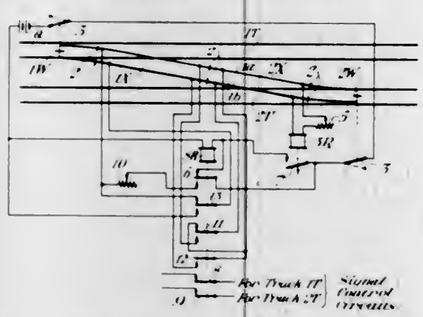
1. In a fused bath electrolytic cell for the production and refining of metals, said cell being of the type comprising a pan adapted to contain in its bottom a body of metal constituting one

pole of the cell, a wall structure surrounding said pan, and an electrode fixedly secured within a cavity in said wall structure beyond the outer periphery of said pan, the improved means for conducting an electric current from the body of metal in said pan to said electrode, comprising a first channel in said wall structure extending from a level lower than the bottom of said pan to the top of said wall structure, a lower channel con-



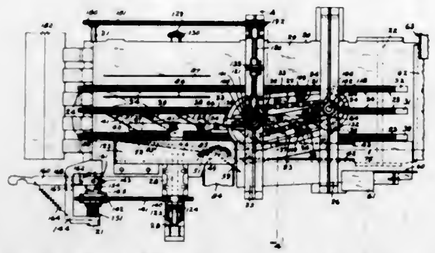
necting the bottom of said pan to the bottom of said first channel, a substantially horizontal upper channel connecting an intermediate point of the first channel with the bottom of said cavity, and a vertically adjustable refractory partition of heat-insulating material disposed in said first channel between the lower channel and the upper channel for adjustably controlling the effective cross-section and thereby the thermal conductivity of the current path between said metal and said electrode.

2,584,566
TRAFFIC PROTECTION APPARATUS
Frederick T. Fereday, Sr., Louisville, Ky., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application February 20, 1947, Serial No. 729,683
11 Claims. (Cl. 246—219)



6. In traffic protection apparatus for a stretch of railway in which two main tracks are interconnected by a crossover track through hand-operated track switches and in which said crossover track is divided into two sections, the combination comprising, a contact of each of said switches each closed if its switch is arranged for traffic movements along its main track but open if its switch is arranged for traffic movements over said crossover track, a stick relay winding, a track relay winding, means including a back contact controlled by said stick relay winding for interconnecting said track sections, a track circuit for said crossover track including said track relay winding and the rails of both of said sections interconnected by said means including a back contact controlled by said stick relay winding and also including a source of current controlled by said switch contacts, means controlled by said switch contacts and by said track relay winding for controlling said stick relay winding, and signal control means controlled by said stick relay winding.

2,584,567
FISH PROCESSING APPARATUS
William A. Fonken and Edmund Auer, Seattle, Wash., assignors to Smith Cannery Machines Company, Seattle, Wash., a corporation of Washington
Application April 16, 1945, Serial No. 588,522
14 Claims. (Cl. 17—4)



1. In a fish aligning beheading feed table for processing fish, a feed table having fish conveyor chains travelling lengthwise thereof from a fish feeder to a fish discharge end; pusher means secured to said conveyor chains in uniform spaced relation, whereby a fish may be conveyed over said table by sliding the fish on its side while contacting the table; a fish beheading knife operatively mounted at one side of the table adjacent the discharge end; fish puller plate fixedly mounted on said table surface having an upstanding rib disposed at an angle diverging in the direction of the fish travel and away from the knife side of the table; and a driven aligning fish cleithrum engaging clip movable in a rectilinear path inclined towards the knife side of the table while engaging the cleithrum of a fish simultaneously while said fish is being urged by said puller plate in the opposite direction.

2,584,568
COMBINATION TOOL
Bert Frazier, Pittsburgh, Pa.
Application May 15, 1950, Serial No. 162,031
10 Claims. (Cl. 33—74)



1. A combination straight edge, plumb rule and engineer's rod of the order of 5½ to 6½ feet in length, comprising an elongated wooden board having a plurality of inserts of warp-resistant material extending across each flat side, with longitudinal spacings of the order of 7 to 20 inches between centers of the inserts, the thickness of each insert being considerably less than the thickness of the board, said board further having a plumb vial inset therein, with an observation hole for the vial in at least one of the flat sides, one of the edges being a straight edge, and the other edge having two plumb-rule protuberances thereon, one near each end, and an intermediate guide-protuberance at a convenient eye-level, the two plumb-rule protuberances standing out further from said plumb-rule edge than said guide-protuberance, and said guide-protuberance and the top plumb-rule protuberance being two-pronged, with the prongs separated by a space suitable for receiving a folding rule.

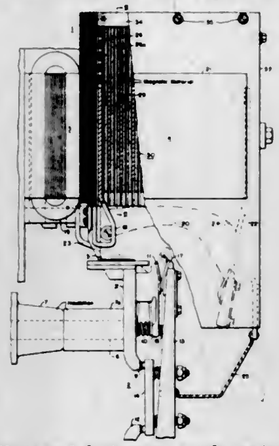
2,584,569
BALL POINT WRITING INSTRUMENT
Herman C. Frentzel, Milwaukee, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application November 17, 1945, Serial No. 629,284
8 Claims. (Cl. 120—42.03)



1. In a ball-point writing instrument, a barrel having an opening at its front end, a ball-and-cartridge unit disposed within said barrel and reciprocable lengthwise thereof, said unit comprising an ink reservoir and a ball point connected to the front end thereof, a spring continuously urging said unit rearwardly, a pushbutton projecting rearwardly from the back end of said barrel and reciprocable lengthwise thereof, a laterally deflectable plunger rod anchored to said pushbutton and projecting forwardly therefrom axially of the barrel, a spring continuously urging said pushbutton and plunger rod rearwardly, a latch member interposed between said unit and plunger rod and reciprocable bodily lengthwise of the barrel, said latch member being pivoted to oscillate rotationally between two limiting postures in a plane parallel to the horizontal axis of said barrel, means within said barrel defining a stationary shoulder with which said latch member is engageable, when in one of said limiting postures, to releasably hold said unit in its forward position, spring means biasing said latch member toward latching engagement with said shoulder, said latch member extending backwardly from its pivotal center toward said plunger rod and formed with two oppositely inclined surfaces which lie individually and alternately in the path of said plunger rod when said latch member is in either of the two aforementioned limiting postures respectively, whereby said plunger rod engages and shifts said latch member from whichever limiting posture it happens to occupy to the alternate limiting posture thereof and retains the latch member in said alternate limiting posture during the succeeding rearward movement of the unit and plunger rod.

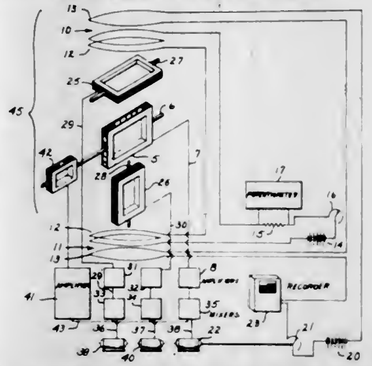
2,584,570
CIRCUIT INTERRUPTER
Russell E. Frink, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 7, 1950, Serial No. 142,875
2 Claims. (Cl. 200—147)

1. A circuit interrupter including means for establishing an arc, an arc chute for extinguishing the arc including a plurality of spaced pairs of insulating plates having closed offset slots provided therein, the closed ends of the offset slots of each pair being disposed to the same side of the centerline of the arc chute, the closed ends of the offset slots of one pair of insulating plates being disposed to the opposite side of the centerline than that of the immediately adjacent pair of insulating plates, thereby to form a substantially zigzag arc passage transversely of the direction of motion of the arc through the arc chute, blowout means including a pair of pole plates disposed on opposite sides of the centerline of the arc chute, and a plate of magnetic



material disposed between each pair of insulating plates sandwiched therebetween and having one side edge thereof extending immediately adjacent the pair of slots provided in such pair of insulating plates, the opposite side of each such magnetic plate extending adjacent to the pole plate on the opposite side of the centerline of the arc chute than that of the closed ends of the offset slots of such pair of insulating plates.

2,584,571
MAGNETOMETER
Eugene Frowe, Houston, Tex., assignor to Robert H. Ray Co., a partnership
Application February 24, 1948, Serial No. 10,271
11 Claims. (Cl. 175—183)



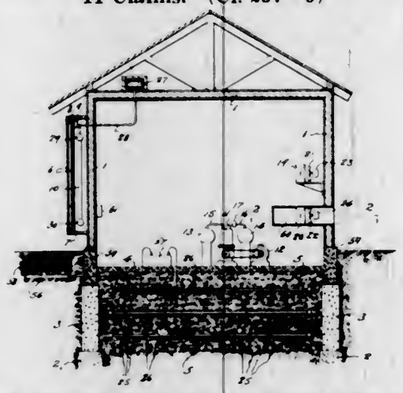
1. A magnetometer comprising, an inductor, a phasing coil movable in synchronism with said inductor, means for moving said inductor and phasing coil to periodically cut the earth's magnetic field, means for neutralizing the earth's magnetic field within a space including said inductor, and means for measurably varying said last mentioned means to compensate for the point-to-point variations in the earth's magnetic field, said last mentioned means being controlled by the electromotive force generated in said inductor and in said phasing coil.

2,584,572
MUSICAL INSTRUMENT
Joseph Gaukstern, Maplewood, N. J., assignor to Chris Kratt Company, Union, N. J.
Application March 27, 1946, Serial No. 657,460
4 Claims. (Cl. 84—377)



1. A reed instrument including a molded elongated plate-like comb element of plastic material and having along one edge shoulders having inside shoulders normal to the surface of said plate-like comb element, and a plurality of teeth along the other edge, reed plates coextensive with said comb element and each having one longitudinal edge in engagement with an inside surface of a shoulder, the other longitudinal edge of each of said reed plates extending slightly beyond the ends of the teeth of said comb element, said comb element and said reed plates having registering apertures extending therethrough adjacent said shoulder and screw means for maintaining said reed plates and said comb element in engagement, and cover plates extending coextensive with said comb element and said reed plates, the ends of said comb element, reed plates and cover plates having registering apertures extending therethrough, and screw means bolting said reed plates, cover plates and comb element compactly and tightly together, said reed plates having reeds registering with the spaces between said teeth, said plates having integral extruded portions extending through the reeds and peened over against said reeds to secure said reeds to said plates, said teeth being rounded at their outer ends, said reed plates permitting pressure to be applied to said other longitudinal edges upon assembly of said instrument whereby said screw means can be tightened to lock the elements of said instrument in aligned and tight assembly.

2,584,573
METHOD AND MEANS FOR HOUSE HEATING
Frazer W. Gay, Metuchen, N. J.
Application January 31, 1950, Serial No. 141,546
11 Claims. (Cl. 257—9)

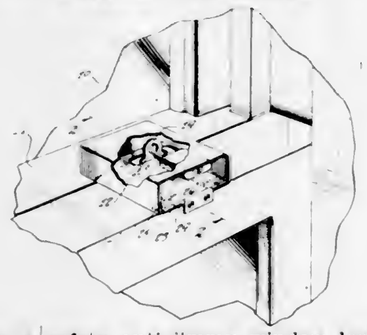


1. A house heating system comprising a heat pump including a refrigerant fluid evaporator and a refrigerant fluid condenser, means for storing heat in the ground beneath the house comprising a labyrinth of pipes buried in said ground through which heat transfer fluid can be caused to flow and another labyrinth of tubes, buried in the ground with said pipes, through which hot refrigerant liquid is caused to pass from the condenser to the evaporator, an outdoor heat exchanger, an indoor heat exchanger, means for circulating heat transfer fluid between the condenser and the indoor heat exchanger, means to circulate heat transfer fluid between the outdoor heat exchanger and the evaporator, and means to circulate heat transfer fluid at will between the ground heat storage means and the evaporator in by-passing relation to the outdoor heat exchanger.

2,584,574

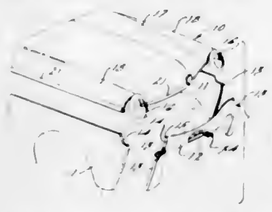
WITHDRAWN

2,584,575
SAFETY ANTIJIMMY WINDOW LOCK
Maurice Goldwasser, Brooklyn, N. Y.
Application May 16, 1950, Serial No. 162,154
5 Claims. (Cl. 292—205)



1. In a safety anti-jimmy window lock having a vertical plate adapted for connection to the lower rail of an upper window sash and adapted to project above the same, said vertical plate having a hole in its upper end and adapted to receive a hasp of a padlock, a container having sides and an opening in the bottom thereof adapted to receive the upper end of the vertical plate and the said padlock disposed within the container.

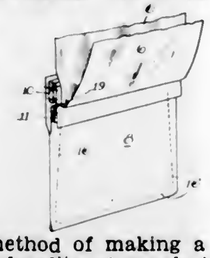
2,584,576
AUTOMOBILE HOOD, FENDER, AND LAMP CONSTRUCTION
Byron C. Gould, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application April 14, 1949, Serial No. 87,531
13 Claims. (Cl. 180—69)



1. A front end construction for a vehicle body comprising side fender panels, a front panel and a one-piece hood panel having laterally disposed upwardly arched top fender portions, said front and side panels having arcuate edge portions jointly cooperating with the forward edges of said upwardly arched fender portions to define two

spaced openings for head lamps, said front panel extending to and engaging said hood panel and said side panels.

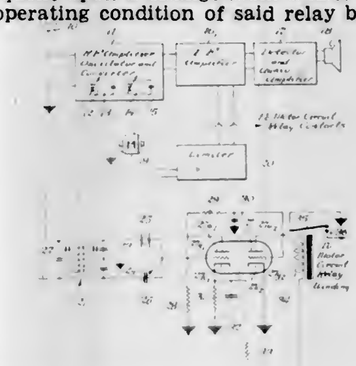
2,584,577
GARMENT
Robert O. Granert, Minonk, Ill.
Application May 28, 1949, Serial No. 96,121
2 Claims. (Cl. 2—93)



1. In the method of making a coat garment formed by a plurality of panels joined together at the edges, the improvement which comprises, cutting out at least three panels which are to be joined together along the side edges with one of said panels adapted to be disposed intermediate two others, folding one end of a pocket piece along a fold line which extends at a right angle to the length of said pocket piece, disposing said folded end on said intermediate panel in such a way that said fold line extends parallel to a line on said intermediate panel coinciding with the pocket opening to be formed therein with said fold line being disposed below said pocket opening line a distance x and with the main length of said pocket piece being uppermost and extending upwardly from said pocket line, stitching said fold to said panel along a line intermediate said pocket line and said fold line and parallel thereto, folding the free end of said pocket piece adjacent said fold upon itself so as to form a second fold line disposed above said pocket line a distance of approximately x with said second fold line being parallel to said pocket line and with the said free end of said pocket piece being uppermost, stitching said second fold to said intermediate panel along a line intermediate said second fold line and said pocket line and parallel thereto, completely severing said intermediate panel and the single thickness of said pocket piece which lies thereover along said pocket line, turning said first and second fold lines toward each other, securing the free end of said pocket piece opposite said folded end to said intermediate panel material adjacent said second fold line thereby folding said pocket piece upon itself along a line crosswise to the length thereof and approximately midway between the ends thereof, securing said first and second fold lines in even opposed registering alignment, and stitching the folded pocket piece along the open sides thereof so as to close said pocket, said distance x being only a small fraction of the width of said intermediate panel at said pocket line.

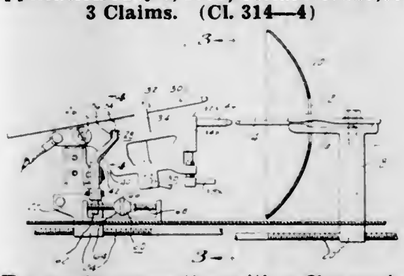
2,584,578
VARIABLE DELAY CONTROL CIRCUIT FOR MOTOR-DRIVEN SIGNAL SEEKING RECEIVERS
Roy A. Gull, Buffalo, N. Y., assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y., a corporation of Massachusetts
Application November 14, 1947, Serial No. 785,994
3 Claims. (Cl. 250—40)

1. In a signal-seeking receiver, in combination, tuning means for effecting tuning of said receiver continuously with a scanning action over a predetermined range of wave signal frequencies, means for deriving from received wave signals having an intensity exceeding a predetermined value a control potential, the rapidity of said tuning causing said control potential to have a cycle of amplitude change occurring during a predetermined interval, means including a control circuit responsive to the amplitude of said derived potential for controlling said tuning means to terminate the scanning action thereof, said last-mentioned means including a relay which effects said control of said tuning means consequent upon a change from a first to a second operating condition of said relay but which



requires a minimum interval of change of relay excitation longer than said predetermined interval to effect said change from said first to said second operating condition thereof, and an electrical energy-storage element included with resistors in a charge time-constant circuit and a discharge time-constant circuit in said control circuit for receiving and storing energy supplied to said element by said control potential, the time constant of said charge circuit being substantially equal to said predetermined interval and the time constant of said discharge circuit being long in comparison to said charge time constant thereby to prolong the amplitude of said control potential over a time interval longer than said predetermined interval.

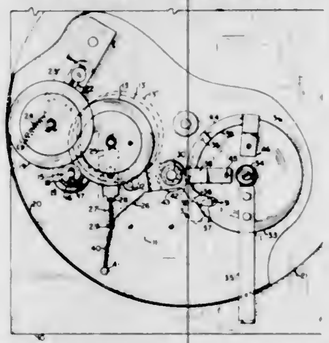
2,584,579
ELECTRODE SAVING ATTACHMENT FOR CARBON ARC LAMPS
Robert Hanover, Philadelphia, Pa.
Application May 7, 1951, Serial No. 225,003
3 Claims. (Cl. 314—4)



1. For use in connection with a film projection apparatus of the type which includes a reflector, a first carriage located to the convex side of the reflector and adapted to support a horizontal cathode, means for moving said carriage toward, and away from, said reflector, there being an opening in said reflector through which said

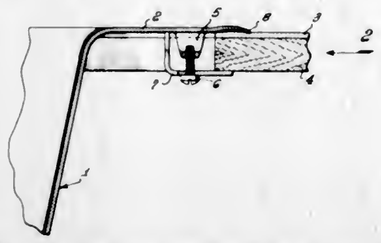
cathode may pass, a second carriage located to the concave side of said reflector and a means for moving said second carriage toward, and away from said reflector, a casting pivotally secured to said carriage, a first jaw carried by said casting for supporting a relatively long anode, and a second jaw carried by said casting intermediate said first jaw and said reflector and adapted to support a relatively short anode, the vertical axis of said second jaw being at an angle to the vertical axis of said first jaw, said casting being movable to a first position in which the relatively short anode in said second jaw is in alignment with said cathode, and said relatively long anode is out of alignment with said cathode, and to a second position in which said relatively short anode is out of alignment with said cathode and said relatively long anode is in alignment with said cathode and said relatively short anode is out of alignment with said cathode.

2,584,580
MULTISPEED PHONOGRAPH DRIVE
Maurice E. Hardy, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application April 22, 1949, Serial No. 89,055
4 Claims. (Cl. 74—200)



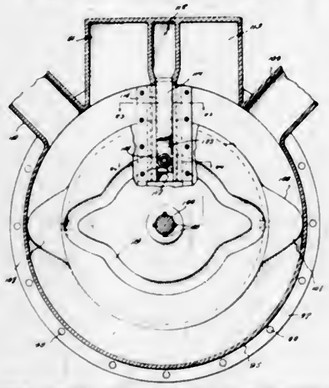
1. A driving system for a turntable comprising: an elongated driving element; a gear family including gears of different diameters rotatably mounted in axial alignment along an axis parallel to the axis of said driving element; a driven gear in mechanical driving relationship with said gear family to be rotated therefrom to actuate a turntable; a displaceable gear for selectively completing a driving connection between said driving element and a selected one of the gears of said gear family to rotate said driven gear at a speed determined by the selected member of said gear family; a selector system including a carriage for said displaceable gear, movable pivotally and longitudinally with respect to an axis parallel to the axis of said driving element, a first spring mechanically biasing said carriage in a direction along its axis, a cam track having a plurality of resting surfaces in spaced relationship relative to the planes of said gears in said gear family to maintain said carriage at a selected one of a plurality of positions relative to said planes and in opposition to the bias of said first spring, and means for effecting movement of said cam track to couple said displaceable gear with a selected member of said gear family; and a mechanical locking device including a movably mounted control member having a plurality of detents arranged in spaced relationship along a cam portion, a pin positioned on said carriage and arranged to cooperate with said cam portion, and a second spring mechanically biasing said carriage in a direction to releasably maintain said pin in locked engagement with a selected one of said detents.

2,584,581
KITCHEN SINK MOUNTING
George R. Harris, Montrose, Calif.
Application October 11, 1949, Serial No. 120,760
4 Claims. (Cl. 4—187)



1. For use in connection with a drain board having a compressible water resisting surface and a perforation therethrough, a sink having a wide flange on the outer rim of which rests on the surface of the drain board along the margin of said perforation, a series of clamping elements engaging the under surface of the drain board directly below the rim of the sink flange and extending inwardly therefrom, the inner end of each clamping element contacting the bottom surface of the sink flange, and means rising through the space within the edge of the drain board perforation operatively inter-connecting the clamping elements with the flange of the sink to draw the rim thereof tightly against the marginal top surface of the drain board.

2,584,582
FLUID PUMP OR MOTOR
Cleburne B. Hatfield, Cookeville, Tenn.
Application March 23, 1945, Serial No. 584,293
2 Claims. (Cl. 103—123)



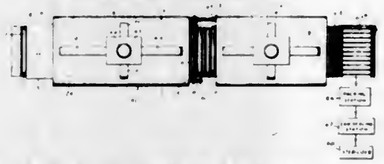
1. A power unit comprising a cylindrical casing provided with inlet and exhaust ports in its peripheral wall, a rotor mounted in said casing to provide a fluid chamber between the periphery of the rotor and peripheral wall of said casing, pistons carried by said rotor movable in said fluid chamber, a valve chamber extending upwardly from the peripheral wall of said casing intermediate the inlet and exhaust ports, a gate valve mounted to reciprocate in said valve chamber adapted to intersect said fluid chamber, means operably connecting said gate valve to said rotor for reciprocating the same, air chambers on opposite sides of said valve chamber extending between the valve chamber and said inlet and exhaust ports, said air chambers being closed at the top and open at the bottom for communication with the fluid chamber.

2,584,583
MEANS FOR OPTICALLY DETERMINING RELATIVE THICKNESS OF SURFACE COATINGS ON GLASS ARTICLES AND THE LIKE
Arthur M. Hillery, Jr., Hartford, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware
Application January 18, 1947, Serial No. 722,776
5 Claims. (Cl. 88—14)



1. Apparatus for ascertaining the relative thickness of thin protective coatings on glass articles, such as coatings applied by treating the articles with fumes of a metallic salt, such as stannic chloride or titanium chloride, comprising means to produce a beam of parallel light rays, supporting means to support a glass article having a wall surface coated with such a coating in the path of said beam with said coated surface facing the beam, said supporting means including a container having a transparent side wall positioned in the path of said beam and holding a liquid having approximately the same index of refraction as the glass of the article, said article being completely immersed in said liquid within the container, said supporting means being adjustable to turn said coated surface angularly across the path of said beam, and electrical means including a photoelectric cell positioned adjacent said transparent wall to receive a beam of the light reflected from the coated surface of said article through said liquid and said transparent side wall, and a meter operatively connected with said cell so as to be responsive thereto, and calibrated to show departures of coating thickness of each coated article from a standard according to the amount of light reflected to the photoelectric cell from the coating of that article.

2,584,584
METHOD OF COOKING AND CANNING MEAT PATTIES
Julian Hoffman, New York, and Alexis Gruff, Flushing, N. Y., assignors to Claridge Food Co. Inc., Murray Hill, N. Y., a corporation of New York
Original application April 17, 1947, Serial No. 742,094, now Patent No. 2,529,253, dated November 7, 1950. Divided and this application June 15, 1948, Serial No. 33,016
4 Claims. (Cl. 99—187)



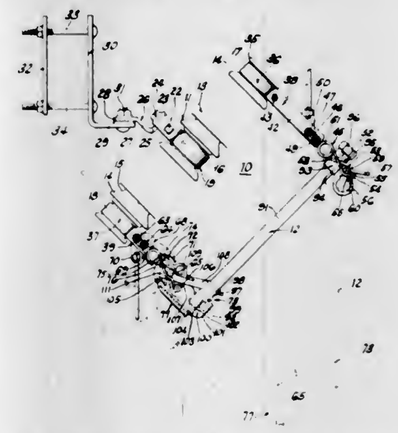
1. A method of cooking and canning ground meat patties which comprises forming ground meat into patties, directing infra-red radiations against one side of said meat patties until said patties are cooked almost halfway through to render the patties firm and capable of being handled without disintegrating, inverting said patties and directing infra-red radiations against the other side of the patties until the patties are cooked almost completely through, placing said patties in cans, sealing said cans and heating said cans to sterilize said patties and completely cook them.

2,584,585
SUPPORTING HOOK FOR HEDDLE BARS
John W. Hollingsworth, Philadelphia, Pa., assignor to Walker Manufacturing Company, Philadelphia, Pa.
Application March 1, 1950, Serial No. 146,993
5 Claims. (Cl. 139—92)



3. In a heddle frame, the combination of a heddle bar, an auxiliary supporting bar, a tubular element at least partially surrounding one of said bars, and a member at least partially surrounding and secured against separation from said tubular element and at least partially surrounding the other of said bars.

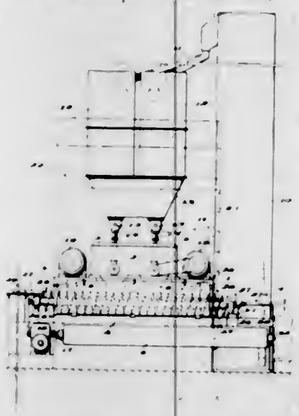
2,584,586
FUSE DROP-OUT CUTOUT
David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application February 26, 1948, Serial No. 11,076
17 Claims. (Cl. 200—114)



1. In a fuse drop-out cut-out the combination of an insulating support with a pair of contact arms carried in spaced relation to each other by said support, each of said contact arms carrying a pair of resiliently supported contact assemblies and each of said assemblies including a pair of diverging contact members leading to a pair of opposed curved portions adapted to receive and to retain for rotative motion a trunnion carried by a fuse tube unit, and each of said contact assemblies comprising a resilient wire bent backwardly upon itself and clamped to the contact arm, the two legs of each contact being formed

with circular coils intermediate their point of attachment and the curved portions which engage the trunnions.

2,584,587
BLASTING MACHINE
Robert B. Huyett, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application January 6, 1950, Serial No. 137,251
5 Claims. (Cl. 51—14)



1. In a machine for blast treating laterally rollable flanged articles, a blasting chamber, a pair of work supporting screws extending longitudinally in said chamber, means for rotating said screws in the same direction, said screws lying substantially parallel to each other and presenting a notch or valley between the tops of their vanes for supporting the laterally rollable flanged articles with the flanges thereof descending between their vanes for causing them to advance lengthwise of said notch as they are rotated transversely therein, means for projecting blastant downwardly in said chamber in a fanwise stream directed longitudinally of said notch and against the upper sides of flanged articles being rolled and advanced therein, and baffle means for confining the stream of blastant for direct impingement thereof only against the top surfaces of said articles.

2,584,588
LANDING GEAR AND FLAP CONTROL FOR TETHERED MODEL AIRPLANES
Darwin E. Hyatt, Roscoe, Calif.
Application March 21, 1947, Serial No. 736,341
2 Claims. (Cl. 46—77)

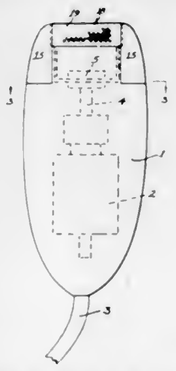


1. In a self-propelled model airplane, flexible control means extending from said airplane, stationary bracket means mounted on said airplane, a first lever member pivoted on said bracket means, a second lever member pivoted at a point intermediate its ends on said first lever member, said flexible control means being attached to opposite ends of said second lever, an elevator mounted on said airplane, means connected between said elevator and said second lever for operating said elevator in accordance with motion of said flexible control means, resilient means between said first lever and said bracket means, a third lever pivotally mounted on said bracket means, a landing gear mounted on said airplane, means connecting said third lever to said landing gear and means connecting said first lever to said third lever to thereby produce motion of said landing gear in accordance with centrifugal forces acting on the assembly comprising said lever members.

2,584,589
PREPARATION OF DIACYL 1,3-AMINO ALCOHOLS AND THEIR HYDROLYZED PRODUCTS, 1,3-AMINO ALCOHOLS
Edward Levant Jenner, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 27, 1948, Serial No. 51,485
12 Claims. (Cl. 260—570.6)

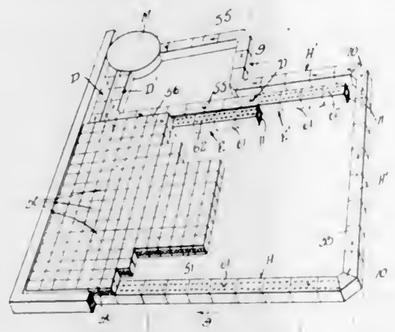
1. A process which comprises reacting, at a temperature of 0° to 100° C., a monoethylenically unsaturated hydrocarbon of from 3 to 8 carbon atoms having a single ethylenic double bond as the sole aliphatic carbon-to-carbon unsaturation with molar equivalent amounts, with respect to said unsaturated hydrocarbon, of formaldehyde and of an alkyl mononitrile of from 2 to 8 carbon atoms, in the presence of at least molar equivalent amounts, with respect to said unsaturated hydrocarbon of an oxygen-containing strong acid whose dissociation constant in absolute ethanol is greater than 0.001 and of an alkyl monocarboxylic acid of from 1 to 8 carbon atoms.

2,584,590
ELECTRIC SHAVER
Ralph J. Julian, Spokane, Wash.
Application July 5, 1949, Serial No. 103,010
2 Claims. (Cl. 30—43)



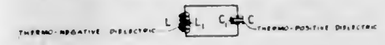
1. In a shaver, a casing having transversely spaced bearing arms integral with its front end and a recess between the arms, a motor in said casing having a forwardly projecting shaft, a fly wheel carried by the front end of said shaft and disposed in said recess, said fly wheel being formed with a circumferentially extending cam groove, a shaft supported between said bearing arms, and extending transversely of the body forwardly of the recess, a pin projecting forwardly from said fly wheel eccentric thereto, a blade holder mounted about said shaft for oscillating movement and carrying a transversely arcuate blade, caps at opposite sides of the front end of said casing hinged to the casing for tilting movement to opened and closed positions and yieldably held closed, a comb having a transversely semicircular frame and a plate of perforated metal mounted upon the frame externally thereof and conforming to its transverse curvature, and plates for said frame overlapped by edge portions of the caps when closed, said end plates being tapered rearwardly and at their rear ends carrying hubs loosely mounted about the shaft at opposite ends of the blade carrier, bearing brackets carried by said casing, a U-shaped yoke having a bridge extending across the peripheral edge face of the fly wheel and arms slidably passing through said bearing brackets and pivoted to the end plates in eccentric relation thereto, and a finger projecting from the bridge of said yoke midway the length thereof and engaged in the cam slot whereby reciprocating movement will be imparted to the yoke and the comb oscillated about the shaft and moved in a direction opposite to movement of the blade during rotation of the motor shaft and the fly wheel.

2,584,591
RADIANT HEATING SYSTEM
George F. Keck, Chicago, Ill., assignor to Clay Products Association, Chicago, Ill., a corporation of Illinois
Application May 7, 1947, Serial No. 746,601
7 Claims. (Cl. 237—69)



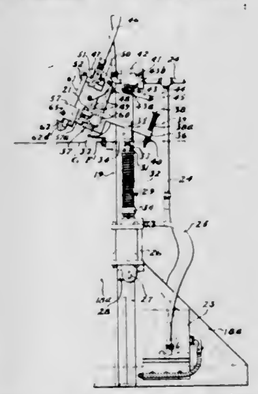
2. A panel heating system comprising a plurality of parallel heating and surfacing units extending across an area to be heated and provided with internal communicating passages, and means for the circulation of fluid heating medium through said passages, comprising a hollow header duct disposed at a level beneath said units and apertured on an upper surface thereof for the flow of heating medium, and a row of hollow manifold tiles disposed over and resting on said duct, said last named tiles having an upper surface substantially flush with the upper surface of said surfacing units and being provided with end openings communicating the interior of the tiles with the internal passages of said surfacing units, said manifold tiles having an opening the surface thereof adjoining said duct for the communication of the tile interior with the interior of said header duct through said duct aperturing, whereby to connect said first named units and duct for the circulation of said heating medium.

2,584,592
ELECTRIC OSCILLATORY CIRCUIT DEVICE
Heinz Georg Kehbel, Bavaria, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application October 5, 1949, Serial No. 119,620
In Germany October 1, 1948
13 Claims. (Cl. 250—40)



1. An oscillatory electric circuit device of a predetermined frequency-temperature characteristic, comprising a capacitance component and an inductance component electrically connected with each other, said inductance component having appreciable distributed capacitance and having a dielectric material disposed in the field of said distributed capacitance, said capacitance component having another dielectric material, one of said two dielectric materials having a positive temperature coefficient of its dielectric constant and said other material having a corresponding negative coefficient, said capacitive component and said distributed capacitance of said inductance component having substantially balanced temperature-responsive capacitance variations respectively.

2,584,593
APPARATUS FOR CUTTING WIRES IN MAKING WIRE-BOUND BOXES
David G. Kingsley, Mountain Lakes, N. J., assignor to Stapling Machines Co., Rockaway, N. J.
Application October 25, 1947, Serial No. 782,115
4 Claims. (Cl. 164—42)



3. Apparatus for accurately cutting the binding wires between moving box-part units in a box-blank-making machine comprising a shaft extending laterally across said box-blank-making machine, a support secured thereto, a stationary cutting blade mounted on said support in alignment with a binding wire, and having a cutting edge on its side which faces in the direction of the oncoming binding wire, a movable cutting blade pivoted on said support and having a cutting edge movable across the cutting edge of said stationary cutting blade to sever a binding wire positioned between said cutting edges, said stationary blade having a surface sloping away from its cutting edge in a direction intermediately between the direction of movement of said binding wire and the direction of movement of said movable cutting blade during cutting, whereby said sloping surface acts

to cause the cut end of the oncoming binding wire to slide over the sloping surface and bend in a controlled direction, a drive mechanism oscillating said shaft to lower said cutting blades into cutting position over said binding wire and to raise the cutting blades after the cutting operation, a second drive mechanism independent of the first drive mechanism moving said movable cutting blade to cross said cutting edges to cut the binding wire and subsequently to separate said cutting edges to receive binding wire for the next cutting operation, and said movable cutting blade having a surface that slopes away from its cutting edge in a direction to form an extension of said sloping surface of said stationary cutting blade when the two cutting edges are aligned, whereby bending of the oncoming cut binding wire in the said controlled direction is further assured.

2,584,594

POCKETBOOK WITH RESILIENT INTERENGAGEABLE EDGES FOR CLOSURE OF SAME

Leo Kohn, New York, N. Y., assignor to Morris Moskowitz Corporation, New York, N. Y., a corporation of New York

Application August 23, 1950, Serial No. 180,930
4 Claims. (Cl. 150—29)



1. A pocket-book comprising a pair of resilient frame members each having a longitudinal upper edge, said upper edges extending in side-by-side relationship, means mounting said frame members for relative lateral movement of said upper edges toward and away from each other, each of said upper edges being resilient and having an upwardly extending arcuate portion integral and continuous therewith, said arcuate portions being interengageable so as to restrain said edges against lateral movement away from each other and to maintain the pocket-book closed, and a pair of flexible pocket-book walls each secured to a respective one of said frame members, each of said walls having an upper edge having an upwardly extending arcuate portion and conforming with and covering the upper edge of the respective frame member.

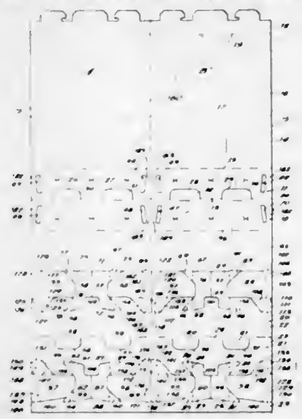
2,584,595

EGG CARTON

Michael H. Kowal, Clifton, N. J., assignor to Empire Box Corporation, Garfield, N. J., a corporation of Delaware

Application August 7, 1946, Serial No. 688,989
2 Claims. (Cl. 229—28)

1. An egg carton having two rows of egg cells with six cells in each row formed from a single substantially oblong shaped blank which is scored along the longitudinal center line thereof so that it may be divided transversely when the carton is erected and filled to form two smaller but complementary and complete egg carton sections each having two rows of egg cells with three egg cells in each row, said blank being cut, scored, glued and folded to form the carton, which in its erected condition includes a front side wall, a rear side wall, a bottom wall including a pair of integrally connected bottom wall sections arranged between said front wall and said rear wall and inclined upwardly from their outer edges to the longitudinal center line of said bottom wall of the carton and providing a raised cushioned bottom for the carton, each of said botton wall sections having a slot therein near each end thereof and a slot at each side of and near the longitudinal center score line of the blank, said slots extending transversely relative to the longitudinal axis of the bottom wall of the carton, a cover, a glue strip attached to one of said side walls at the inner side thereof, a pair of central longitudinal partition-forming and transverse partition-forming and end flap-forming sections each comprising a vertically extending longitudinal portion and a part extending laterally from the upper end of the vertically extending portion, the vertically extending portions of said pair of sections being disposed face to face one against the other and being integrally joined at their lower ends to form a central longitudinal partition, said longitudinal partition and the bottom wall each having downwardly projecting tongues integral



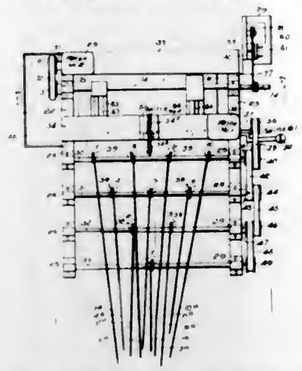
therewith at each side of the longitudinal score line of the blank, the tongues of the longitudinal partition wall being disposed against and adhesively secured to the tongues on the bottom wall for retaining the longitudinal central portion of the bottom wall in raised and upwardly inclined cushion-forming position, the laterally extending portions of said pair of sections having parts thereof folded downwardly at each side of the central longitudinal partition to form end flaps having their lower end portions projecting through the slots in the bottom wall of the carton, and said laterally extending portions of said sections having parts thereof folded downwardly at each side of the longitudinal partition in longitudinally spaced relation with each other and with said end flaps, said pair of sections being joined at the outer edge of the laterally extending portion of one of the sections to the side wall of the carton which is opposite to the side wall to which the glue strip is attached, and said pair of sections being joined to said glue strip at the outer edge of the laterally extending portion of the other section, the end flaps of each of the complementary sections of the carton and the transverse partitions therebetween when the carton is divided forming with the central longitudinal partition two rows of egg cells with three cells in each row.

2,584,596

SEMIAUTOMATIC PIN-SETTING-UP AND BALL-RETURNING APPARATUS FOR BOWLING ALLEYS

Joseph E. Laferriere, Boston, Mass.

Application February 5, 1949, Serial No. 74,782
24 Claims. (Cl. 273—44)



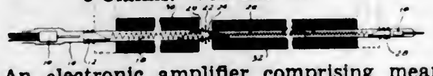
1. Player-operated bowling apparatus for use in usual bowling alleys comprising at least one ball and a set of pins to be knocked over, a series of non-elastic cords respectively attached at one end to the pins and thence extending to and supported in convenient position to be pulled by the player or players when standing at the player-end of the bowling alley when the pins or any of them have been knocked down by a rolled ball, a vertically movable guide plate supported vertically over the pins for up-and-down movement having holes therethrough for the passage only of the cords respectively and corresponding in number and playing position to all the pins when set, at least one cord-receiving rotatable member supported above the set position of the pins and at least partially about which the cords from said pins extend in their course to the player-end of the apparatus, so that one or more of said cords may be slightly manually pulled upon at the player-end of the apparatus to increase the friction between said cord or cords and said at least one rotatable member, a motor for rotating said at least one member, whereby the tightening of the cord or cords upon the said at least one rotating member by slight pull at the player-end upon the cord or cords results in the application to said cord or cords of the pulling force of said at least one rotating member, and thereby reduces markedly the pulling force that must be manually used by a player in pulling upon the said cord or cords sufficiently to elevate the pin or pins from the playing surface, a rolled-ball receptacle-elevator which upon elevation discharges balls into the return chute, a second motor to operate said elevator, and means operated by the lifting of the said guide plate by the pins in the pin-setting action, to operate said second motor thereby to lift said elevator.

2,584,597

TRAVELING WAVE TUBE

Rolf W. Landauer, New York, N. Y., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts

Application January 26, 1949, Serial No. 72,912
8 Claims. (Cl. 332—7)



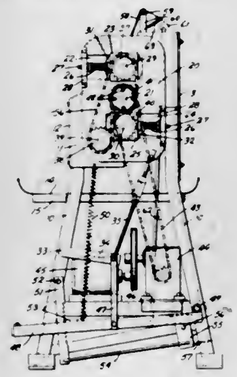
1. An electronic amplifier comprising means for projecting an electron beam along a path, means for guiding the propagation of electromagnetic waves along said path, whereby said beam is modulated in accordance with the propagated waves, the coupling factor of the amplifier being lower at the input end than at the output end of the electron path.

2,584,598

FLATWORK IRONING MACHINE

Arthur Edwin Leisenring, Denver, Colo.

Application October 20, 1949, Serial No. 122,446
6 Claims. (Cl. 38—55)



1. A flatwork ironing machine comprising: a supporting frame; fixed end plates carried by said supporting frame; heated ironing members secured at their extremities to said end plates and extending therebetween in parallel, spaced-apart relation; a concave ironing surface on each ironing member; a bearing plate pivotally supported from each end plate; a pair of rollers journalled at their extremities, in said bearing plates, each roller extending parallel to and along one of said ironing surfaces; an aligning shaft supported in said frame; a lever secured to and projecting from said shaft adjacent each bearing plate; connecting means between said levers and their respective bearing plates to cause the latter to rotate in unison about their pivots to swing said rollers into and out of said concave ironing surfaces; means for varying the length of said connecting means for the purpose of aligning said rollers with said ironing surfaces; and manual means for actuating said levers to swing said bearing plates to bring said rollers into contact with said ironing surfaces.

2,584,599

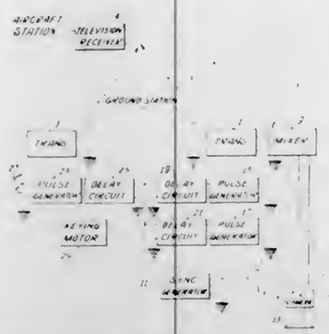
RADIO AID TO NAVIGATION

David G. C. Luck, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1947, Serial No. 794,937
3 Claims. (Cl. 178—6.8)

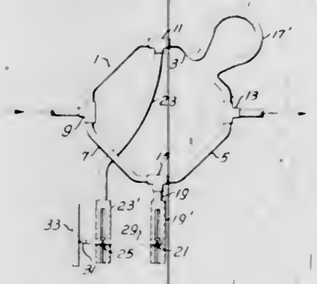
1. In a radio system for guiding mobile craft, a ground station including two spaced equi-directional transmitters; a television camera and synchronizing signal generator means connected to only one of said transmitters; means responsive to line synchronizing signals from said synchronizing signal generator to produce a video signal representing a double-line reference pattern, and means applying said signal to said one of said transmitters together with the video output of said camera; means responsive to said line synchronizing signals to produce a

further video signal representing a mark which is distinguishable from said reference pattern, and means applying said further video signal to the other of said transmitters; common television receiver means on one of the craft to be guided, responsive to said ground station transmitters to produce a composite visual display



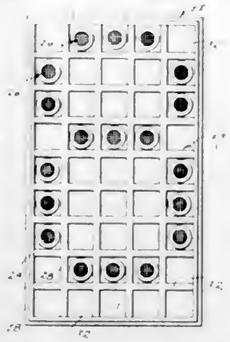
showing both said reference pattern and said mark, said mark being positioned between said double lines of said pattern in said display in accordance with the position of said craft with respect to a predetermined course normal to a line connecting said t.'nsmitters.

2,584,600
RADIO-FREQUENCY PHASE SHIFT NETWORK
George B. MacKimmie, Montreal, Quebec, Canada, assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1948, Serial No. 35,895
6 Claims. (Cl. 178—44)



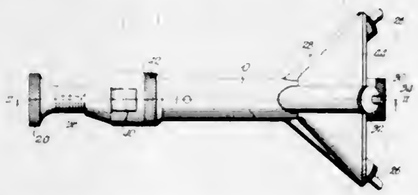
1. A phase shifter for radio frequency oscillatory energy of a certain wavelength, comprising four transmission line sections connected serially to form a closed loop and each having lengths which are integral odd numbers of quarters of said wavelength, one of said sections differing in effective length from the others of said sections by an amount equal to an odd integral number of half wavelengths, means applying said energy to two of said line sections at their junction, means providing output energy from the other two of said line sections at their junction, two reactance elements each coupled to one of said first two line sections at its junction with the corresponding one of said second two line sections and the coupling between one of said reactance elements and the respective line section junction including a further line section having an effective length greater than the coupling of the other of said elements by an odd integral number of said quarter wavelengths

2,584,601
ALPHABET- AND NUMERAL-TEACHING GUIDE
Francis P. Mauser, Parkersburg, W. Va.
Application September 2, 1949, Serial No. 113,702
1 Claim. (Cl. 35—73)



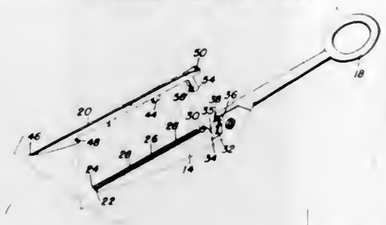
A teaching guide comprising a shallow receptacle open at its top, a guide sheet having a pattern on one face thereof positioned within said receptacle so that the pattern face faces upwardly and rests upon the bottom of said receptacle, and a grid of a configuration the same as that of the said sheet removably supported on the pattern face of said sheet, said grid being formed of a series of intersecting walls forming a series of compartments each open at the top and bottom the pattern of the guide sheet being made up of areas contrasting in shade and arranged to form a single readable character visible through and extending under a plurality of the several compartments of the grid, some portions of said character filling more than half and the remaining portions of the character filling less than half of the bottom areas of the compartments through which they are respectively visible.

2,584,602
INSIDE GAUGE
Percil C. McKee, Downers Grove, Ill.
Application October 22, 1945, Serial No. 623,623
3 Claims. (Cl. 33—178)



1. An inside gauge comprising an elongated, tubular body having a plurality of tubular branches near one end thereof and in register therewith, said branches extending outwardly from the body at an acute angle relative to the longitudinal axis of the body and toward said one end of the latter; an elongated, calibrated plunger mounted in the body for reciprocatory movement on said axis of the body and having a tapered end in the body provided with a flat face corresponding to each branch respectively; an elongated feeler reciprocably mounted in each branch respectively and having means for yieldably holding the same biased against the respective flat face of the plunger; means in the body interposed between said one end thereof and the plunger for yieldably holding the latter biased toward the opposite end of the body; a member circumscribing said opposite end of the body in screw-threaded engagement therewith and surrounding the plunger for cooperation with the latter in reading the calibrations thereon; and a locking ring circumscribing the body at said opposite end thereof and in screw-threaded engagement therewith, said locking ring bearing against said member for holding the latter in an adjusted position relative to the plunger.

2,584,603
SHEARS WITH INTERCHANGEABLE CUTTING BLADE
Elmer E. McMillan and George E. McMillan, Mansfield, Mo.
Application July 25, 1950, Serial No. 175,712
1 Claim. (Cl. 30—349)



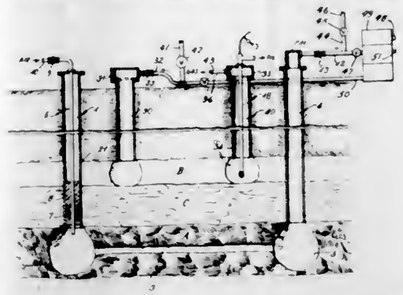
A shears comprising a stock having a transverse recess in its rear end portion, said recess having an inclined front wall provided with a notch in its lower portion, a tongue on the rear wall of the recess, a removable blade mounted on the stock and having a groove in its rear end for the reception of the tongue, a hook on the rear end portion of the blade engageable in the notch in the recess of the front wall for anchoring said blade in position, a spring in the recess on the rear wall thereof beneath the tongue and engaged with the hook for yieldingly urging same into the notch, and means for detachably securing the front end of the blade on the stock.

2,584,604
METHOD OF MAKING STRONG, HARD SILICA-LIME BRICK
Carl Mendius, Riverside, Ill.
No Drawing. Application December 26, 1947, Serial No. 794,093
2 Claims. (Cl. 106—120)

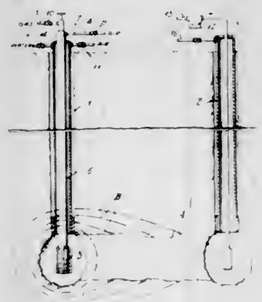
1. The method of making a lightweight, hard brick, which consists in mixing silicious material in small pieces with about 4% of burnt lime, the silicious material containing sufficient water to slake the lime, agitating the mixture to cause the lime to take up moisture from the silicious material and thereby effect slaking of the lime and further drying of the mixture, then adding from ¼% to 2% of a soluble sulfate of one of the group of metals consisting of iron, zinc and copper, further thoroughly agitating the mixture, pressing the mixture into self-supporting brick form, and finally, curing the brick by subjecting it to the action of steam under pressure.

2,584,605
THERMAL DRIVE METHOD FOR RECOVERY OF OIL
Edmund S. Merriam, Marietta, Ohio, and Frederick Squires, Champaign, Ill.
Application April 14, 1948, Serial No. 21,004
16 Claims. (Cl. 166—21)

13. A method for the recovery of oil from geological formations in which oil and other combustible organic material are present in different strata which comprises igniting said other organic material to provide heat requisite to reduce the viscosity of said oil and withdrawing the said oil from the said formation.



2,584,606
THERMAL DRIVE METHOD FOR RECOVERY OF OIL
Edmund S. Merriam, Marietta, Ohio, and Frederick Squires, Champaign, Ill.
Application July 2, 1948, Serial No. 36,668
8 Claims. (Cl. 166—21)



4. A method for the recovery of oil from an oil bearing geological formation having an input well and a venting well, which comprises introducing through said input well, into said formation, a combustible, gaseous, mixture, at a pressure in excess of that existing in said formation, and water, effecting combustion of said mixture in said well to produce combustion products and steam, under a pressure sufficient to cause said combustion products and steam to penetrate into said formation toward a venting well to impart heat to and reduce the viscosity of the oil present in the formation, and recovering oil from a venting well.

2,584,607
VENETIAN BLIND
Michael J. Nardulli, Elmwood Park, Ill., assignor to Michael J. Nardulli, Angelo F. Naples, Peter F. Nardulli, and William H. Mozal, as trustees under a trust known as "Western Engineering Trust"
Application May 13, 1950, Serial No. 161,875
1 Claim. (Cl. 160—176)

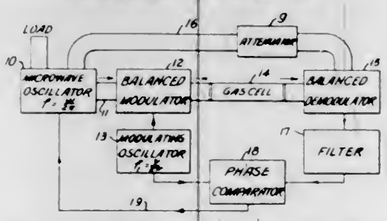
In a Venetian blind having an elongated upper supporting frame, a plurality of slats, a toe rail, elevating cords and ladder tapes conventionally associated with said slats, toe rail and elevating cords, said tapes having inner and outer bands connected together at their upper ends to afford supporting loops, means for supporting said loops comprising aligned rotatable members having

cylindrical surfaces and mounted on said supporting frame longitudinally thereof for independent rotation, means including a pulley operatively connected to one of said rotatable members for rotating the same through successive complete revolutions in either direction, a tilting cord extended over and depending as a pair of actuating ends from said pulley, said cylindrical surfaces being extended through said supporting loops and frictionally engaged there-



by so that rotation of said one of said rotatable members imparts tilting movements to said one of said tapes and tilting movement of said one of said tapes serving through said slats to impart corresponding tilting movements to the other of said tapes, and slipping of said one of said rotatable members relative to the related one of said tapes at the limits of tilting movement enables adjustment of the relative lengths of the actuating ends of the tilting cord to be attained.

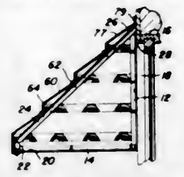
2,584,608
STABILIZATION OF MICROWAVE OSCILLATORS
Lowell E. Norton, Princeton Junction, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1948, Serial No. 35,185
17 Claims. (Cl. 250—36)



1. The method of stabilizing the frequency of a microwave oscillator which comprises modulating the oscillator to produce side-bands, impressing at least one of the side-bands upon a body of gas exhibiting sharp molecular resonance at a frequency close to said one of the side-band frequencies to produce a phase-shift varying with the oscillator frequency, demodulating the microwave energy transmitted by the gas, and controlling the oscillator frequency to minimize variation of the phase-difference of the modulating frequency as applied to said microwave oscillator and as derived by demodulation of microwave energy transmitted by said gas cell.

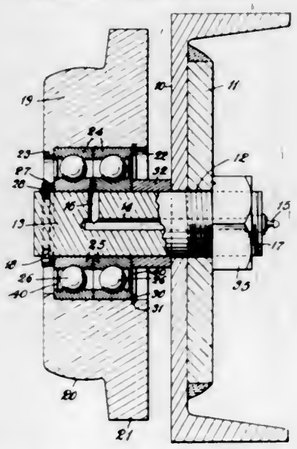
2,584,609
AWNING
Gayle G. Owen, Minden, La.
Application January 29, 1948, Serial No. 5,029
3 Claims. (Cl. 20—57.5)

1. An awning comprising a supporting frame, a pair of spaced side panels fixedly carried by said frame, a forward panel fixedly carried by said frame, each of said panels having a plurality of horizontally extending, parallel outwardly and downwardly inclined slats, substantially upright strips connecting adjacent horizontal edges of said slats and light admitting openings in said strips, said forward panel having its slats disposed in vertically spaced relation and its strips being disposed in parallel substantially upright planes, said strips having integral



portions above their lower edges cut away to provide said openings and integral shields extending from said strips at one of the edges of each of said openings in parallel relation to the adjacent slat.

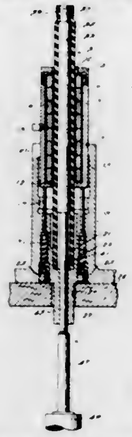
2,584,610
REMOVABLE HEAD AXLE
Carl F. Pearson, Chicago, Ill., assignor to Industrial Equipment Co., Chicago, Ill., a corporation of Illinois
Application March 18, 1946, Serial No. 655,313
1 Claim. (Cl. 105—154)



In a flanged wheel and truck assembly for cranes and the like, a truck supporting member having a generally flat vertical body apertured intermediate its upper and lower edges, a stub shaft extending through said aperture, a flanged wheel mounted for rotation about said shaft at one side of the truck supporting body, said wheel being of a diameter not greater than the height of the truck supporting member, locking means for the opposite end of said shaft at the opposite side of the truck supporting member, including means formed and adapted to exert force on the shaft tending to withdraw it through the wheel, anti-frictional bearing means between the wheel and the shaft including a bearing race surrounding the shaft, spacing means extending between the bearing race and the adjacent face of the truck supporting member, and means for limiting the withdrawal of the shaft through the wheel and for holding the wheel in predetermined position in relation to the truck supporting member, including a cup-shaped ring having an inwardly extending flange abutting the bearing race, the end of the shaft being circumferentially channeled, and a U-shaped washer in said channel, said washer and channel being surrounded by said ring when the locking means

is in locking position at the opposite end of the shaft, the U-shaped washer being thereby held in locking position except when the locking means is released and the shaft is moved in an opposite direction through the wheel, the U-shaped washer loosely penetrating the channel in the shaft and being free to drop gravitationally out of contact with the shaft when the cup-shaped ring and the circumferential channel are out of alignment with each other.

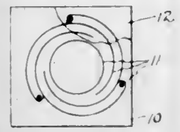
2,584,611
ALIGNMENT MANDREL
Douglas T. Peden, Ann Arbor, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application September 19, 1946, Serial No. 698,023
3 Claims. (Cl. 29—235)



1. In a device for centering and aligning the axes of a plurality of bored workpieces in a carrier comprising a fixture having a base at one end and a plurality of concentric bores of different sizes, the smallest bore being in said base to guide an arbor and the largest bore being at the opposite end to slidingly receive a carrier, a plurality of pins mounted in said fixture for sliding movement, spring means normally urging said pins into said largest bore to support a carrier, an arbor slidably mounted for axial movement in said smallest bore and being of a length to extend above and below the fixture, a resilient tube mounted on said arbor and having one end secured to the fixture adjacent the base and the opposite end secured to the arbor at a point outside the largest bore, whereby movement of the arbor axially in one direction compresses and expands the resilient tube to engage the workpieces and move the same and carrier against the action of said spring means to seat the carrier within said largest bore and to axially align the bored workpieces within the carrier, and movement in the opposite direction contracts the resilient tube to release the workpiece.

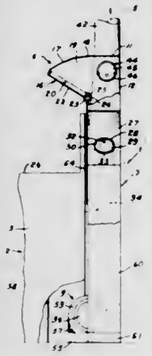
2,584,612
SPRING
Raymond G. Piety, Tuckahoe, N. Y., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 4, 1945, Serial No. 592,010
4 Claims. (Cl. 267—1)

1. A flat spring having rigidity in the plane thereof and flexibility at right angles to the plane thereof, said spring consisting of a single uniform sheet of flat spring metal having a central opening therein and a plurality of flat spiral arms of substantially uniform width in the plane thereof,



each arm extending from a point contiguous to said central opening in an arc substantially concentric to said opening for a total distance of about one-third of the circumference of said spring, each arm being free at its outer end.

2,584,613
KITCHEN STOVE VENTILATOR
William A. Pledger, San Francisco, Calif.
Application May 7, 1948, Serial No. 25,561
4 Claims. (Cl. 126—299)

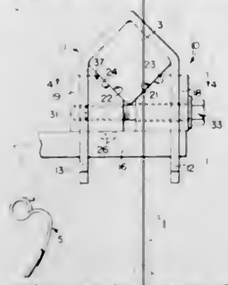


1. A ventilating device for a cooking stove, said device comprising a head; a spout extending away from the front of said head and having an open lower side; a filter adapted to condense grease and evaporations from air passing therethrough, said filter being arranged in the open lower side of said spout; a motor and a blower operated thereby; means forming a passage from said head to the blower for drawing air from the former to the latter; means forming an air passage from said blower; a flue connected with the last mentioned means and passing through said head into the atmosphere; an automatic valve arranged in the wall of the flue inside of the head, which valve is adapted to stay open when the blower is inoperative and to close when the same is in operation; and an automatic damper arranged in the head and adapted to stay open when the blower is inoperative and to have a restricted opening when the blower is in operation.

2,584,614
TOOL CLAMPING MEANS
Clarence T. Rasmussen, Los Angeles, William R. Frank, Bell, and Hobart I. Hagen, Long Beach, Calif., assignors to John Deere Killefer Company, Los Angeles, Calif., a corporation of California
Application February 2, 1949, Serial No. 74,084
13 Claims. (Cl. 287—54)

1. In a draft device for connecting an implement to a support, a tool bar member, a coupling member receiving and embracing said tool bar

member, one of said members having a pair of oppositely angled surfaces, a pair of clamping members having complementarily formed angled surfaces, a tool part carried by said coupling member and receiving said clamping members,



and means acting against said clamping members for moving them along said angled surfaces and bearing against said tool part for clamping said tool bar member in said coupling member and securing said tool part to said tool bar member.

2,584,615
THERMOCOUPLE DEVICE
Ward F. Richards, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application March 18, 1949, Serial No. 82,039
1 Claim. (Cl. 136—4)



A device for measuring temperatures of molten metal by direct immersion therein comprising a thermocouple having short thermo-elements connected by cold junctions to lead wires, a long tubular handle protecting the lead wires, a cold junction housing secured to said handle, said cold junction housing comprising a length of steel pipe having an inner lining of refractory cement and a smooth inner surface coating of porcelain cement, and a layer of material resistant to heat and slag attack applied externally to the housing and to the exposed length of the handle.

2,584,616
THERMOCOUPLE DEVICE
Ward F. Richards, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application June 29, 1950, Serial No. 171,123
2 Claims. (Cl. 136—4)

1. A device for measuring temperatures of molten metal comprising a thermocouple having cold and hot junctions, a cold junction housing comprising a tubular metal casing having on its lower end an inner annularly recessed portion, an adherent coating of heat resistant ma-



terial applied internally and externally to said casing, a refractory block fastened within said annularly recessed portion, and a removable refractory plug therein holding a protective tip enclosing the hot junction.

2,584,617
KEY HOLDER
Herbert C. Riepe, Fort Worth, Tex.
Application March 19, 1951, Serial No. 216,401
3 Claims. (Cl. 70—456)

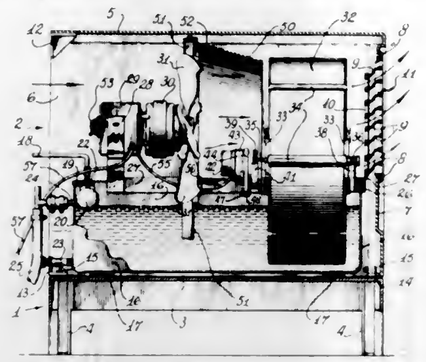


1. A key holder comprising a flat substantially rectangular base, a screw projecting from the surface of said base at one end thereof and adapted to pivotally receive the keys to be carried thereon, elongated key partitions spaced from each other and secured at corresponding ends thereof to said screw, selector tabs laterally projecting from said partitions on the ends thereof opposite said screw, inwardly formed tabs in the sides of said partitions opposite said selector tabs, and fulcrum means supported by said base and individually engaging said partitions between said selector tabs and said inwardly formed tabs.

2,584,618
HUMIDIFIER AND EVAPORATIVE COOLER
Raymond A. Robic, Outremont, Montreal, Quebec, Canada
Application September 22, 1950, Serial No. 186,222
7 Claims. (Cl. 261—92)

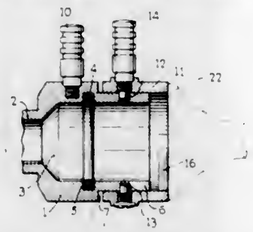
1. A humidifying apparatus comprising an open top rectangular water tank, a U-shaped frame registering with and removably supported on the edges of the walls of said water tank, an elongated member extending transversely of said frame and secured to both legs thereof, an upstanding support plate secured medially to the cross leg of said frame, a rotative evaporative wheel having a shaft projecting from both ends thereof and terminated at one end by a small knurled wheel, an evaporative wheel driving unit comprising a support member detachably mounted on said elongated member, a motor, an idle

wheel and a driving wheel spacedly and rotatably mounted on said support member, said knurled wheel of the shaft of said evaporative wheel adapted to rest on said spaced wheels, and the other end of said shaft provided with an an-



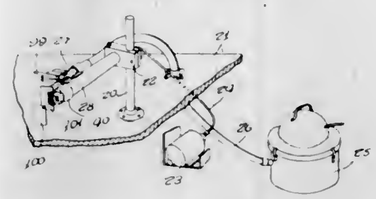
nular groove to rest on said support plate, whereby said evaporative wheel extends partly within said tank, and air circulating means mounted at the free ends of said frame to direct an air current through the portion of said evaporative wheel projecting from said tank.

2,584,619
OBTURATOR LOCK FOR ENDOSCOPIC INSTRUMENT
Harry S. Rubens, Manhasset, and Ignaz Suwa, Jackson Heights, N. Y., assignors to National Electric Instrument Co., Inc., Elmhurst, N. Y., a corporation of New York
Application November 4, 1949, Serial No. 125,502
3 Claims. (Cl. 128—5)



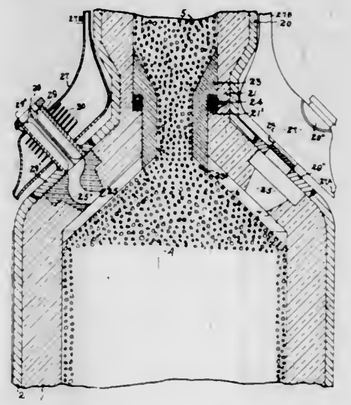
1. In an endoscopic instrument including a tubular body, the combination of an obturator and locking means therefor, said locking means comprising a sleeved base structure mounted on one end of said tubular body and having a breech in communication with said end of said tubular body, the inner surface of said base structure forming said breech and containing an annular groove, a resilient sealing ring positioned in said breech and held therein by means of said annular groove, a locking ring mounted on the sleeve portion of said base structure by means of a guide pin cooperative with a helically arranged groove on the outer surface of said sleeve portion to impart a simultaneous rotary and axial movement to said locking ring, said obturator comprising a shaft, a head portion on one end of said shaft and a lock plug on the other end, said lock plug being insertable into said breech and having a diameter larger than the inner diameter of said sealing ring, said locking ring having on one end thereof a pair of diametrically opposed terminal segments, said lock plug having a terminal flange and longitudinally spaced therefrom, flange sections positioned on a rear portion of said plug to form arcuate grooves cooperative with said terminal segments to advance said lock plug into said breech partly through sealing ring thereby forming a leak-proof seal.

2,584,620
GARMENT TRIMMING MACHINE
Julius Rubin, New York, N. Y.
Application January 5, 1951, Serial No. 204,640
14 Claims. (Cl. 26—7)



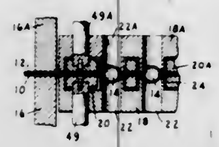
1. A combination strip and thread cutting machine comprising two hollow, elongated and adjacent housings, a thread cutter at one end of one of said housings, one end of the other housing being Y-shaped, and a strip cutter at one end of one arm of the Y, said thread cutter being adjacent to said strip cutter, the end of the other arm of the Y being disposed in contact with said thread cutter, said strip cutter housing being adapted to have a suction applied at its other end whereby said suction may be directed through its Y-shaped end to both the thread cutter and the strip cutter.

2,584,621
PEBBLE HEATER
Martin A. Ryan, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 20, 1947, Serial No. 780,925
5 Claims. (Cl. 23—277)



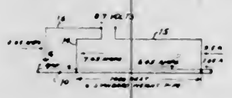
1. In a vessel for effecting heat exchange between up-flowing gases and down-flowing pebbles, the combination comprising a vessel having a top wall, a restricted pebble supply conduit projecting into said vessel through said top wall, an effluent gas takeoff conduit mounted on said top wall, a circulatory liquid housing surrounding said conduit, internal radial vanes on said conduit, and external circumferential vanes on said conduit and within said housing.

2,584,622
PROCESS OF AND MECHANISM FOR FABRICATING FILLED CAPSULES
Robert Pauli Scherer, Detroit, and John Otto Scherer, Grosse Pointe Park, Mich., assignors to R. P. Scherer Corporation, Detroit, Mich., a corporation of Michigan
Application May 11, 1948, Serial No. 26,384
8 Claims. (Cl. 18—19)



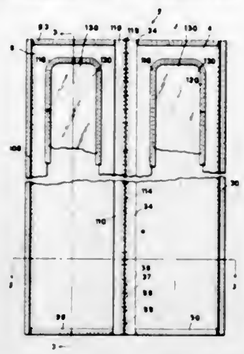
2. In apparatus for use in the manufacture of capsules, in combination, a pair of complementary die plates provided in their respective cooperating faces with complementary capsule forming cavities encircled by complementary ledges projecting above the faces of the die plates, complementary pressure pads superimposing the die plates and having openings through which the ledges are received, hydraulic operating mechanism coupled with said pressure pads and die plates operable to advance them relatively toward each other to compress capsule forming sheets between the pressure pads prior to compression of said sheets between the die plate ledges, said hydraulic operating mechanism including means responsive to a determined resistance offered by the capsule forming sheets to advance of the pressure pads to stop said advance regardless of the distance advanced and hold the pressure pads positively at the point to which advanced and means operable upon discontinuance of advance of the pressure pads to advance the die plates toward each other to bring their ledges together beyond the pressure pads.

2,584,623
SYSTEM AND METHOD FOR PROTECTING PIPES AND OTHER CURRENT CONDUCTING STRUCTURES AGAINST ELECTROLYTIC CORROSION
William R. Schneider, Berkeley, Calif.
Application May 6, 1947, Serial No. 746,256
4 Claims. (Cl. 204—147)



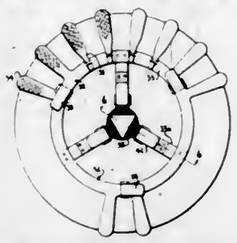
1. The method of preventing the corrosive action of electric currents flowing from a buried linear conductor, which comprises connecting the positive and negative terminals of a source of direct current electric power to the buried linear conductor at spaced points to form a closed metallic circuit which will include that portion of the linear conductor to be protected, grounding the positive terminal of said source of electric power, and maintaining a flow of current in said closed metallic circuit and through the included portion of said buried conductor which due to resistance of said conductor will establish an electrical potential along said pipe line between said points of connection relatively negative to the potential of the earth in which the included portion of said linear conductor is buried.

2,584,624
DOOR
Percival H. Sherron, Jamaica, N. Y.
Application February 26, 1948, Serial No. 11,099
3 Claims. (Cl. 160—232)



3. A door having two leaves, each leaf comprising a first panel having along each vertical and horizontal edge an inwardly extending flange, integral hinge members on the vertical edge of one of said flanges extending inwardly from one vertical edge of the panel and a locking flange extending from the inner edge of the flange extending inwardly from the second vertical edge of the panel, a second panel having an L-shaped flange extending from the top edge so as to overlie the top flange of the first panel and lie against the face of the first panel, an L-shaped flange extending from the bottom edge so as to lie under the bottom flange of the first panel and against the face of the first panel, integral hinges along one vertical edge which are aligned with the hinges of the first panel, and a slot for the reception of the locking flange, all of the hinges of the four panels being aligned and having a hinge pin passing through them so as to hingedly connect the leaves together.

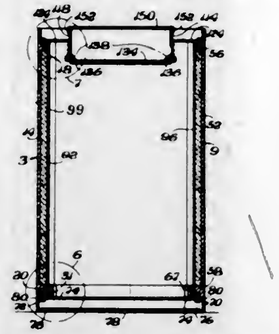
2,584,625
ANTISKID AND TRACTION APPLIANCE FOR MOTOR VEHICLE WHEELS
Emil P. Schwab, Mount Lebanon, Pittsburgh, Pa.
Application July 17, 1947, Serial No. 761,664
4 Claims. (Cl. 152—226)



1. A rigidly integral, multi-sectional, circumferentially adaptable anti-skid and traction device for a motor vehicle wheel, each section embodying a pair of relatively parallel, arcuate, side bar segments, placed at the inner and outer sides of the wheel, joined at the ends thereof by transversely disposed traction members extending over the periphery of the wheel, their outer surfaces being provided with a multiplicity of wire traction elements forming a meshwork to produce equalization in traction as the wheel revolves; provision for attaching additional traction members to the side bar segments between

the ends and complementary, adjustable, interlocking means for fastening the adjoining sections on the outer-side of the wheel, forming a rigidly expansible annulus for expeditious mounting and fastening.

2,584,626
TELEPHONE BOOTH
Percival H. Sherron, Jamaica, N. Y.
Application April 8, 1949, Serial No. 86,149
2 Claims. (Cl. 20—3.5)

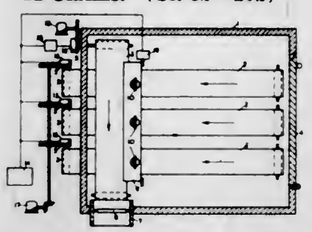


1. A telephone booth structure which comprises a foundation; a pair of oppositely disposed vertical side members molded from a synthetic resin and each having heavy end portions which form the corners of the booth structure, a heavy base, a panel joining the end portions and the base, a horizontal reinforcing member between the end portions and near the top of the panel and a removable panel spaced from said first mentioned panel and secured in slots in said end portions and said base; a rear vertical member molded from a synthetic resin and having heavy end portions and a base joined by a panel, a horizontal reinforcing member joining the end portions near the top thereof, and a removable panel spaced from said first mentioned panel and secured in vertical slots in the side members and a slot in the base of the rear member; the vertical rear and side members being connected by vertically extending tongues and grooves, a plurality of said vertical members having threaded inserts molded into their bases, bolts through the foundation threaded to said inserts; and a ceiling structure having four walls, a removable top, a removable bottom and a flange extending horizontally and outwardly from the four walls, threaded inserts molded in the horizontal reinforcing members of a plurality of the vertical members, bolts through the flange of said ceiling structure and threaded to the inserts in the horizontal reinforcing members.

2,584,627
STABILIZED VITAMIN B_{12} COMPOSITION
Helen R. Skeggs, Philadelphia, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application August 9, 1950, Serial No. 178,555
3 Claims. (Cl. 167—81)

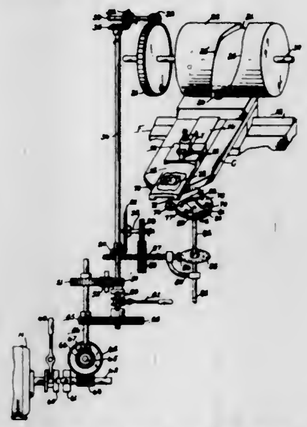
1. An aqueous composition containing vitamin B_{12} and saccharated iron oxide in the proportions of 1 ml. of a solution containing 2 milligrams of a vitamin B_{12} concentrate having a potency of 10.3 micrograms per milligram, and at least 0.1 ml. of a solution containing 20 milligrams of saccharated iron oxide per ml. of water.

2,584,628
STOCK DISTRIBUTION SYSTEM
Thomas Samuel Skillman, Mosman, near Sydney, New South Wales, Australia, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia, a company of New South Wales, Australia
Application October 2, 1947, Serial No. 777,562
In Australia October 14, 1946
11 Claims. (Cl. 62—102)



1. In a system for dispensing articles a refrigeration chamber adapted to maintain the inside temperature at least at freezing point; a plurality of independently operable storage and releasing means in said chamber for the storage of articles and for their selective release, each said storage and releasing means including a movable member for supporting articles of one kind, selectively operable driving means for selectively moving said member to release an article therefrom and means for joggling said stored articles to prevent their freezing to each other and to said storage and releasing means; and conveying means associated with said storage and releasing means to convey released articles from said refrigeration chamber to a predetermined locality.

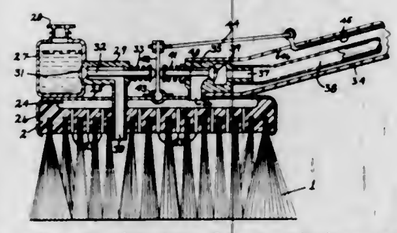
2,584,629
POWER-OPERATED MECHANISM FOR MOVING A TOOL SLIDE AND TOOL SLIDE CARRIAGE
Edwin R. Smith, Seneca Falls, N. Y., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y., a corporation of Massachusetts
Application March 24, 1948, Serial No. 16,844
2 Claims. (Cl. 82—24)



1. In a machine having a carriage movable axially with respect to the work and a tool slide movable on said carriage in a path crossing the axis of the work, a rotatable drum disposed parallel to said axis, follower means on said carriage, cam means on said drum having first and

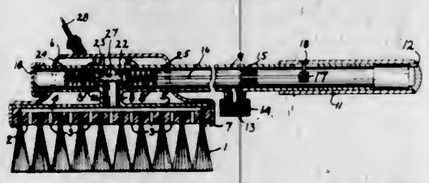
second portions respectively coacting with said follower means to move the carriage forwardly and reversely through rotation of the drum in the same direction, means to rotate the drum forwardly and reversely, said first portion being disposed in an inclined path and so spaced from said second portion that the cam means will disengage said follower means upon reverse rotation of the drum with consequent dwell of the carriage, and means operable during said dwell to withdraw the tool slide in a direction away from the work before return movement of the carriage to protect the tool carried by the tool slide.

2,584,630
WINDOW WASHING FOUNTAIN BRUSH
Mark Soss, Spokane, Wash.
Application November 12, 1946, Serial No. 709,205
1 Claim. (Cl. 299—84)



In valve mechanism for a window washing brush having a head-plate, a liquid soap reservoir, and a handle containing a water reservoir, the combination with a soap-valve and a casing therefor having a port open to the soap reservoir and a discharge nozzle through the head-plate, a water valve and a casing therefor having a port open to the water reservoir and a discharge nozzle through the head plate, of a pair of axially alined stems for said valves mounted in the casings, springs on the stems for closing said valves in their ports, a link pivotally mounted on the head plate in frictional contact with adjoining ends of the valve stems, and a manually operated push and pull connection to the link mounted on the handle for alternately opening said valves.

2,584,631
WINDOW WASHING MIXTURE FOUNTAIN BRUSH
Mark Soss, Spokane, Wash.
Application November 12, 1946, Serial No. 709,206
1 Claim. (Cl. 299—84)



In a soap and water dispenser for a fountain brush having a mixture discharge chamber, a separate liquid soap container, a tubular handle forming a liquid soap chamber and a water conduit and extended through the container, the combination with a discharge nozzle having an outlet to the mixture discharge chamber and intersecting the tubular handle, said nozzle having spaced lateral ports, and said soap chamber having gravity feed ports open to the container, of a valve rod reciprocable in the tubular handle, manually operated means for reciprocating the rod, a pair of longitudinally spaced heads fixed on the rod, a spacing sleeve rigid with the rod and movable transversely through the nozzle, a pair of relatively movable disk valves on the rod located at opposite ends of the sleeve for coaction with the lateral ports, and a coiled spring interposed between each head and an adjoining valve for closing said valves against the ports.

2,584,632
METHOD OF MAKING CONTAINERS
Charles A. Southwick, Jr., Mount Vernon, Ohio, assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio, a corporation of Delaware
Application November 9, 1945, Serial No. 627,643
1 Claim. (Cl. 154—116)



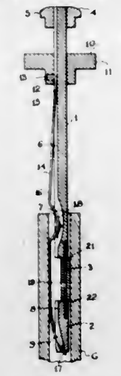
A method of handling and sealing sheet materials to provide a bag which is completely closed marginally and devoid of contents and having a heat-sealable filling valve in its marginal closure, which comprises superposing sheets of polyethylene and protective sheets of fibrous material upon each other with the polyethylene sheets in face-to-face relation and the fibrous sheets outermost, placing a non-heat-sealable insert between marginal edges of said polyethylene sheets, applying heat and pressure to all marginal edges completely around said superposed sheets to provide a seam construction and filling valve in the seam area of said insert, said insert being removable when said bag is ready for use to provide said heat-sealable filling valve for filling said sealed bag and said insert having a width such that said filling valve has a length substantially less than one-fourth the circumference of said bag and substantially less than the length of any one side.

2,584,633
CONTAINER WITH FUSED REINFORCED SEAM
Charles A. Southwick, Jr. Mount Vernon, Ohio, assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio, a corporation of Delaware
Application November 9, 1945, Serial No. 627,644
4 Claims. (Cl. 206—46)



1. A pouch of the character described which comprises superposed sheets of polyethylene, marginal portions of said sheets being fused together into a unitary mass to provide a seam construction for said pouch with the remaining portions of each sheet providing pouch walls, and a binding and reinforcing strip of fibrous material extending from one side to the other of said polyethylene seam construction and surrounding the same with the fibers of said material embedded within said mass of polyethylene on each side of the pouch.

2,584,634
RESILIENTLY EXPANDED SCRAPER DEVICE FOR REMOVING CARBON FROM VALVE GUIDES
William H. Spang, Cleveland, Ohio, assignor to St. Clair Machine Products Company, Cleveland, Ohio, a partnership
Application March 14, 1947, Serial No. 734,766
8 Claims. (Cl. 15—104.01)



1. In a device of the character described, a handle, a stem extending from said handle and having a longitudinally-extending recess therein, a roller mounted for rotation about an axis parallel to the axis of said stem and having surface projections adapted to break carbon deposits on the walls of valve stem guides, a second handle mounted to slide along said stem, and a spring having one end attached to said last-named handle, a portion disposed in said recess, and an outwardly bowed portion adapted to coact with the wall of said guide to resiliently press said roller against the opposite wall of the guide.

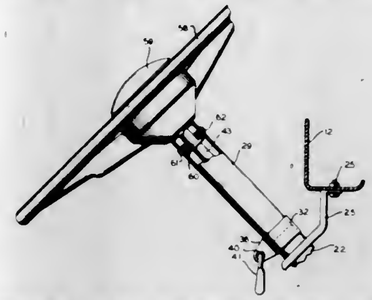
2,584,635
CURTAIN
Lawrence Spiegel, Bronx, Charles Behensky, Rockland Lake, and Maurice Druck, Lido Beach, N. Y., assignors to House Beautiful Curtains, Inc., New York, N. Y., a corporation of New York
Application September 14, 1951, Serial No. 246,542
5 Claims. (Cl. 160—349)



1. A curtain comprising a substantially rectangular panel, a tie-back portion extending transversely across said panel intermediate its ends, said tie-back portion comprising a strip of fabric and at least one elastic strip, and means securing together said fabric strip, said panel and said elastic strip while said elastic strip is maintained under tension.

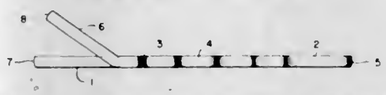
2,584,636
DETACHABLE AUXILIARY STEERING WHEEL FOR DUAL CONTROL ASSEMBLIES
Robert B. Sprinkel, Takoma Park, Md., Haven D. Umstott, Washington, D. C., and Harold E. Knight, Jr., Arlington, Va.
Application February 16, 1950, Serial No. 144,458
2 Claims. (Cl. 74—494)

1. A steering wheel assembly for motor vehicles including a fixed tubular lower column, a detachable upper column in axial alignment with the lower column, said upper column having its lower ends slit to form a yieldable portion, a clamping member connected to said yieldable portion and arranged to overlap and engage the adjacent end of the lower column when the parts are assembled, manually operable means connected to said clamping member for tightening the same on the lower column, a lower steering shaft rotatably mounted in the lower column and arranged to be operatively connected to the front wheels of the vehicle, an upper steering shaft rotatable in the upper column, a steering wheel connected to the upper end of said upper shaft, said upper shaft extending downwardly below the



adjacent end of the upper column into the lower column, said lower shaft having a sleeve secured thereto and extending outwardly therefrom to overlap and engage the extending end portion of said upper steering shaft, means on said sleeve coacting with complementary means on the extended portion of said upper shaft for detachably connecting the shafts together, the upper end of said upper steering shaft adjacent the steering wheel having a projection extending outwardly therefrom, and said upper column having an inwardly extending projection positioned above and arranged to overlap and engage the projection on said shaft so that upon axial movement of the upper steering shaft to move the upper tubular column therewith.

2,584,637
HAIR CLIP
Eugene Sprinkle, St. Paul, Minn.
Application August 17, 1950, Serial No. 179,947
1 Claim. (Cl. 132—50)

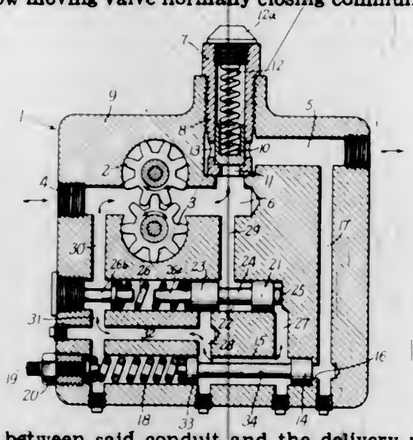


A hair clip formed of spring material and comprising a first arm and a second arm in spring-pressed relation and joined by a loop at one end, the outer free end of at least one of said arms being bent laterally in the plane of the arm transversely to the plane defined by the loop through an angle not exceeding 70 degrees with respect to the projected unbent length of such arm.

2,584,638
UNLOADING VALVE MECHANISM FOR FLUID PRESSURE PUMPS
Edwin G. Staude, Minneapolis, Minn.
Application February 21, 1946, Serial No. 649,285
12 Claims. (Cl. 137—153)

1. A fast moving cylindrical plunger valve for alternately closing and opening by the cylindri-

cal valve surface a pressure fluid circuit, a delivery passageway for pressure fluid, a check valve between a discharge-receiving chamber in said circuit and said delivery passageway, a spring-pressed imperforate valve-operating plunger attached to the fast moving valve said valve-operating plunger being located in a chamber, a conduit connecting said valve operating plunger chamber to the delivery passageway, and a slow moving valve normally closing communication between said conduit and the delivery passageway and arranged to be moved by the pressure in said delivery passageway to open access from the delivery passageway to the valve-operating plunger chamber so as to open said circuit but to close access from the valve operating plunger chamber to said circuit when the fast moving valve is opening, said valve-operating plunger having a balanced portion normally in communication with the pressure fluid.



2,584,639
CARBOXYALKYLMERCAPTO STIBONIC ACID COMPOUNDS
Norbert Steiger, Nutley, and Oscar Keller, Clifton, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 13, 1948, Serial No. 38,568
6 Claims. (Cl. 260—446)

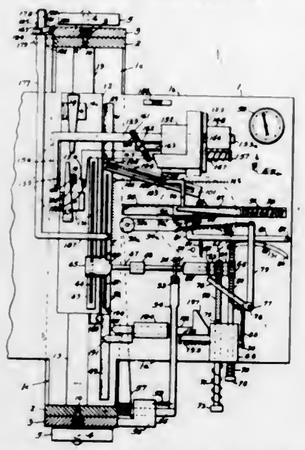
1. A phenyl stibonic acid having as a nuclear C-substituent a carboxyalkylmercapto group and the salts thereof.

2,584,640
TEXTILE DRAWING ROLL
Merton W. Taylor, Kennebunk Beach, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application August 25, 1950, Serial No. 181,340
4 Claims. (Cl. 19—141)



1. In a textile drawing roll having a plurality of roll sections; coupling means for said sections including an axially alined recess having an internally threaded portion in one of said sections and an axially alined externally threaded portion on an adjacent section adapted to be retained by said internally threaded portion on said first section, said threaded portions having substantially greater clearance at the end adjacent the end of said first section than at the end away from the end of said first section, whereby the sections of said roll are easily alined.

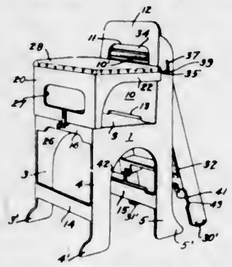
2,584,641
GROUND SPEED INDICATOR
Albert G. Thomas, Lynchburg, Va.
Application April 5, 1949, Serial No. 85,581
14 Claims. (Cl. 264—1)



1. The method of determining speed of a vehicle relative to ground, said method comprising, arranging on said vehicle a gyroscope with its axis parallel with the equatorial plane of the earth and determining the apparent rate of rotation of said gyroscope axis relative to said vehicle, arranging on said vehicle another gyroscope with its axis parallel with the axis of the earth and determining the rate of divergence between said other gyroscope axis and a line continually directed toward the center of gravity of the earth, and determining the ground speed of said vehicle as a resultant of said rates.

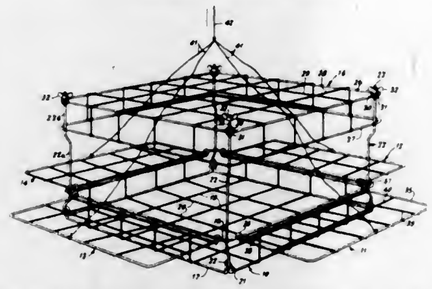
4. In a ground speed indicator, gyroscopic means for determining speed relative to ground of a vehicle carrying said indicator, and means including a scale for aligning an axis of said gyroscopic means substantially parallel to the axis of the earth in accordance with latitude.

2,584,642
CONVERTIBLE HIGH AND LOW CHAIR
Lauren T. Tuttle, San Francisco, Calif.
Application October 11, 1947, Serial No. 779,296
4 Claims. (Cl. 155—38)



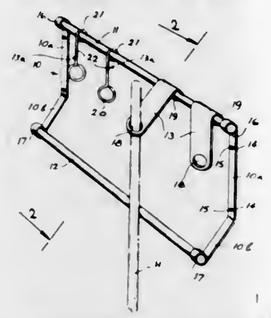
3. A chair having a seat and a back extending upwardly from said seat having upper and lower openings therethrough; a detachable stool having a front support resting upon the front portion of said seat when in the upper position and extending below said seat when moved forwardly and in the lower position; a tongue at the rear of said stool selectively engaging within said upper or lower opening in said back to establish the upper and lower positions respectively.

2,584,643
TRAP
William W. Vander Clute, Elizabeth, N. J., assignor to Vander Clute Corporation, a corporation of New Jersey
Application July 31, 1945, Serial No. 607,944
7 Claims. (Cl. 43—105)



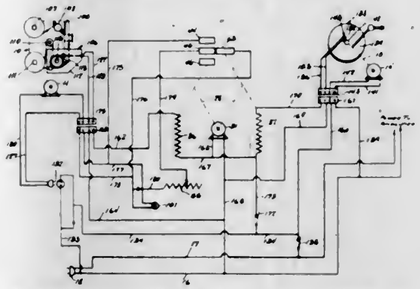
1. A collapsible crab trap including a lower basket member of rectangular shape open at the top and provided with a rim member, pivotally mounted spacing elements mounted in each corner and at the bottom of said basket member and extending vertically and movable inwardly of said basket member, an inverted basket member mounted at the upper ends of said vertical spacing elements and secured thereto, flap members pivoted to the rim member of said lower basket member and extending between said basket members when said flaps are in closed position, and means for closing said flap members including hauling cords extending through the top basket unit of said trap.

2,584,644
MOP AND BROOM BRACKET SUPPORT
Carlo Joseph Verdi, Brooklyn, N. Y.
Application September 1, 1950, Serial No. 182,831
2 Claims. (Cl. 211—66)



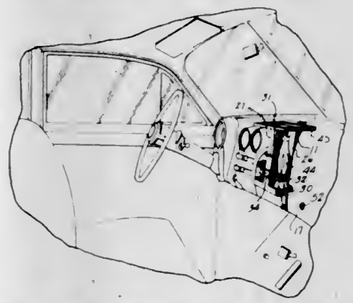
1. A wall supported mop and broom holder comprising a pair of spaced end brackets, each said bracket having a depending forwardly extending lower angular portion, a supporting rod carried by the upper ends of said brackets adjacent the wall, a spacing rod carried by the lower angular portions of said brackets and spaced from the wall, said spacing rod being located below said upper supporting rod and anteriorly of the same, holding members swingably mounted on the supporting rod, each of said holding members having a handle receiving opening formed adjacent the free depending end thereof, each of said holding members being swingable from a handle insertion position to a locking position when said handle abuts the spacing rod.

2,584,645
SYNCHRONIZING MECHANISM
Joseph A. Wagner, Verona, Pa., assignor to Wagneradio Company, Verona, Pa., a corporation
Application June 14, 1948, Serial No. 32,811
9 Claims. (Cl. 318—74)



1. A synchronizing system comprising an independently driven, continuously rotated shaft, a two element rotary switch freely mounted on the shaft, the switch elements electrically connected to control the speed of a controlling apparatus with the speed of a controlled apparatus, friction clutches mounted on the shaft, the clutches engaging the elements of the switch for transmitting rotary motion of the shaft to the switch elements, a gear mounted on each of the switch elements, said gears operatively associated with escapements actuated by electromagnets, one electromagnet being energized by the operation of the controlling apparatus, the other electromagent energized by the operation of the controlled apparatus.

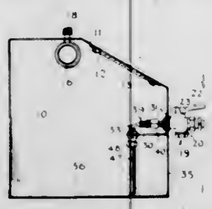
2,584,646
COMBINED AUTOMOBILE TRAY AND RECEPTACLE-SUPPORTING DEVICE
James A. Wagstaff, Roanoke, Va.
Application October 21, 1949, Serial No. 122,645
7 Claims. (Cl. 224—42.42)



5. An article holder comprising an elongated strap member adapted to be vertically attached to a support and having spaced apertures formed therein, a U-shaped bracket member having opposing legs and a web portion, a hook member carried by the web portion and engageable in the apertures, resilient clip elements carried by

the web portion below said hook member and arranged to clampingly engage the side margins of said strap member, a tray member having a top plate and a base plate, a vertical partition wall connecting said plates, said legs of the bracket member engaging on the top and base plates with the partition wall arranged at right angles to the web portion of the bracket member.

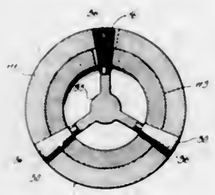
2,584,647
SANDBLASTING MACHINE FOR CLEANING INLAYS OR THE LIKE
Thomas Angus Webber, Hyattsville, Md.
Application May 24, 1950, Serial No. 163,918
4 Claims. (Cl. 51—8)



1. A sand-blast device comprising a generally rectanguar casing including a bottom adapted to rest on a table, pairs of opposed upstanding sides and a top, one pair of upstanding sides being arranged substantially at right angles to the other pair of sides, the top of the casing having a window through which the interior of the casing may be viewed, the casing being provided in one upstanding side with an opening through which the hand may be inserted into the casing horizontally to hold work therein, an upstanding side of the casing which is substantially at right angles to the side having the opening being provided with a second opening arranged substantially at the elevation of the first-named opening, a sand-blast nozzle projecting through the second opening and having its longitudinal axis arranged substantially horizontally and substantially at right angles to the axis of the first-named opening, a substantially L-shaped bracket including substantially horizontal and upstanding arms having openings, the opening of the upstanding arm receiving the sand-blast nozzle, means engaging the sand-blast nozzle and upstanding arm and securing the nozzle and upstanding arm to the side having the second opening, a generally vertical sand tube engaging in the opening of the substantially horizontal arm and extending below the same and having its lower end terminating near the bottom of the casing, the upper discharge end of the sand tube being arranged near the discharge end of the nozzle, and means engaging the sand tube and substantially horizontal arm for securing the sand tube thereto.

2,584,648
UNIVERSAL JOINT HAVING ONE CENTER OF DEFLECTION
John T. Welsh, Highland Park, N. J.; Alrena L. Welsh executrix of said John T. Welsh, deceased
Application November 16, 1946, Serial No. 710,257
3 Claims. (Cl. 64—21)

1. A universal joint adapted to couple driving and driven shafts including in combination, a substantially spherical member on each adjacent end of said shafts, said spherical members being disposed one within the other, three longitudinally disposed beveled races spaced equidistant one from the other around the periphery of said spherical member of said driving shaft and each disposed in a plane including said driving shaft, three cooperating opposing longitudinally disposed beveled races spaced equidistant one from the other around the periphery of said spherical member on said driven shaft and each disposed in a plane including said driven shaft, each of the races on each of the spherical members being wholly within the spherical members and having side walls and closed ends, each of the beveled races in the inner spherical members being aligned with the beveled races in the outer spherical member, a transmission member freely mounted within the spherical member on the driven shaft having three arms extending radially outwardly from the center thereof, beveled rollers rotatably mounted on each of the



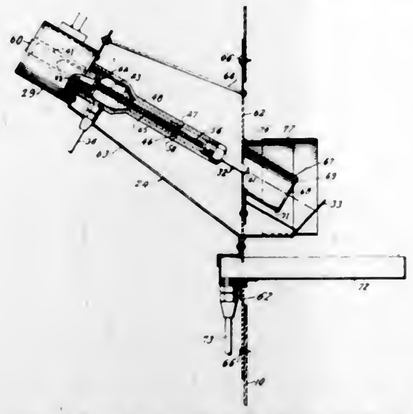
arms of the transmission member, each of the rollers being disposed within a cooperating pair of the beveled races in each of the spherical members, at least one of said rollers having beveled teeth on its periphery, at least one of the beveled races in the outer spherical member having beveled teeth on one of its side walls, the cooperating beveled race in the inner spherical member having beveled teeth on its side wall opposite to the toothed side wall of the beveled race in the outer spherical member, the toothed roller being disposed within the beveled race and meshing with the teeth on the opposed walls of the beveled race, whereby said rollers roll along their respective cooperating beveled races and teeth as said joint is flexed to produce one center of deflection of said joint.

2,584,649
FINGER APPLICATOR OR MASSAGING DEVICE
Clare R. Woodbury, East Orange, N. J.
Application July 20, 1948, Serial No. 39,750
1 Claim. (Cl. 128—62)



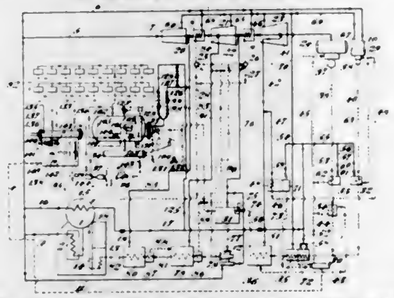
A finger massaging device comprising a U-shaped element having substantially straight sides integrally connected at adjacent ends by an arcuate base, said U-shaped member being readily deformable by pressure exerted thereon to vary the spacing between its sides, said U-shaped element having a row of integral inwardly projecting flexible teeth of substantially conical shape extending inwardly from the inner faces of said sides and base with their inner, smaller ends in substantially uniformly spaced relation, said teeth flexing upon engagement with a finger to effect a massaging action upon movement of said device along said finger.

2,584,650
HUMIDIFIER FOR HEATED AIR DUCTS
Clarence Albert Woodruff, Evanston, Ill.
Application September 8, 1948, Serial No. 48,219
3 Claims. (Cl. 126—113)



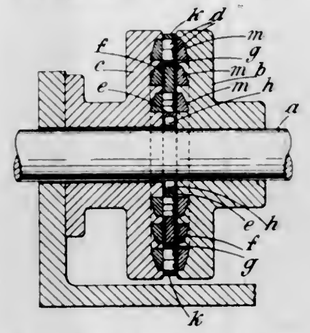
1. In combination with a heated air duct having an outer side wall, a humidifier mounted on said wall, said humidifier comprising a housing having a nozzle at one end thereof inclined downwardly, said nozzle having an axial water passageway therein provided with a valve seat at the lower end thereof, a plunger mounted in the nozzle for reciprocatory movement therein and having a valve head adapted to cooperate with said valve seat to seal off the lower end of the nozzle, electromagnetic means carried by the housing and operatively associated with the plunger for actuating said plunger to change the position of the valve head with respect to its seat, said side wall having an opening with which the nozzle is operatively associated to move a stream of water downwardly into the air duct when the valve is off its seat, and a target mounted within said air duct in the path of the stream ejected from said nozzle to thereby atomize the water and deliver it to the heated air stream, said nozzle being self-draining due to its inclined position.

2,584,651
LOW-PRESSURE STEAM GENERATING SYSTEM
Eugene Porter Worthen, Braintree, and Benjamin Fox, Wollaston, Mass., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application October 4, 1946, Serial No. 701,224
5 Claims. (Cl. 60—95)



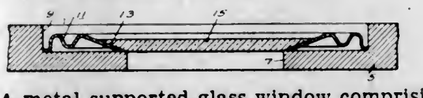
1. A low pressure steam generating system comprising a high pressure steam operated prime mover, an evaporator receiving steam exhausted from said prime mover and having means for condensing said steam and for evaporating water thereby, an auxiliary source of intermediate steam pressure, and a reducing valve connected thereto and arranged to supply supplemental steam to the evaporator when the pressure of the exhaust steam from the prime mover falls below a predetermined level.

2,584,652
ROLLER THRUST BEARING
Charles Antony Ablett, King's Lynn, England
Application November 14, 1949, Serial No. 127,137
In Great Britain July 5, 1944
14 Claims. (Cl. 308—234)



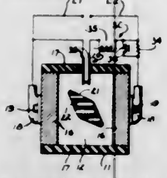
1. A roller-bearing thrust-block comprising in combination a thrust-imparting member, a thrust-receiving member, said two members having opposed thrust-surfaces and being relatively rotatable, at least one raceway receiving groove in each of said opposed thrust surfaces, opposed raceways with flat race surfaces and inclined rear surfaces in each of said grooves, a roller-bearing cage between the raceways, and cylindrical rollers supported in said cage and disposed with their axes radial to the axis of rotation of the thrust-block, said cylindrical rollers being disposed around the raceways in groups each containing a plurality of co-axial rollers, the grooves in said thrust surfaces affording radial clearance to the raceways and abutting upon the inclined backs of the raceways.

2,584,653
WINDOW CONSTRUCTION
Daniel Alpert, East Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 28, 1945, Serial No. 631,399
2 Claims. (Cl. 189—77)



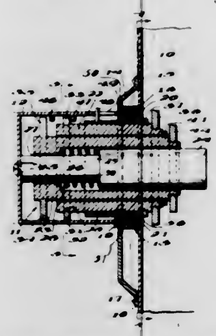
2. A metal supported glass window comprising a frame of a sheet of an alloy comprised essentially of nickel, cobalt and iron and having an opening therethrough, said frame having a shape providing a boundary surface about said opening on one side of the frame which is inclined away from the center line of said opening at an angle of the order of 70 degrees and also providing corrugations surrounding said boundary surface whereby said frame is flexible in the region of said corrugations, and a borosilicate glass plate extending across said opening perpendicular to said center line with the peripheral edges thereof conforming with and sealed to said boundary surface, said glass having substantially the same coefficient of expansion as said alloy.

2,584,654
HEATER FOR MOVING ELECTROLYTES
Carroll R. Alden, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application October 11, 1949, Serial No. 120,727
10 Claims. (Cl. 219—40)



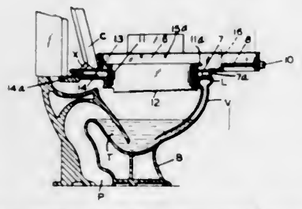
1. A heater for raising the temperature of a moving stream of electrolytic fluid to a predetermined value by controlling the energy input thereto, said heater comprising the combination of a hollow body adapted to receive a continuous flow of said fluid therethrough, said body also having a fluid inlet and a fluid outlet, electrodes mounted in spaced apart relation and immersible in said fluid within said body, said electrodes being adapted to pass current through the fluid flowing through said body causing such fluid to become heated due to its own electrical resistance, a nonconductive shield housed within said body and mounted for adjustment relative to said electrodes, said shield being adapted to vary the effective resistance to the flow of current through the fluid between said electrodes to produce relatively large variations in the power input to said fluid, means including a thermal switch member responsive to the temperature of the fluid leaving said body, said member being located adjacent the outlet of said body, and means controllable by said thermal switch member for effecting relatively small variations in the power input to the fluid within said body without altering the position of said adjustable member.

2,584,655
COMBINATION LOCK
Claude J. Amo, Ogdensburg, N. Y.
Application July 7, 1948, Serial No. 37,481
17 Claims. (Cl. 70—138)



5. A door lock mechanism comprising a door catch member, means supporting said member for movement from door lock to door release position and vice versa, a permutation mechanism, a housing for said permutation mechanism, said housing being positioned adjacent to said permutation mechanism, locking means on said housing, said permutation mechanism having portions engageable by said locking means to maintain said permutation mechanism and housing in locked relation, projections on said housing, means on said door catch member normally engaged by said projections to maintain said catch member in door lock position when said permutation mechanism and housing are in locked relation, means to set said permutation mechanism portions in non-locked relation with the locking means on said housing, and means to then move said housing projections out of engagement with the means on said door catch member normally engaged thereby, said catch member then being freed for movement to door release position.

2,584,656
TOILET ACCESSORY FOR HOUSE PETS
Carl H. Anderson, Minneapolis, Minn.
Application October 16, 1948, Serial No. 54,875
1 Claim. (Cl. 119—1)



A toilet accessory for house pets, comprising an elongated shallow toilet receptacle adapted to generally fit and to be supported upon and at least cover the upper edge of a toilet bowl and having a rear depressed portion provided with a rearwardly declined foraminous support for the rear portion of a pet, the bottom of said receptacle declining from front to rear to drain liquid material to said depressed portion, said depressed portion having a rear opening for passage of solid matter downwardly into the conventional toilet bowl, said depressed portion fitting within the inner edge of a toilet bowl to assist in positively retaining the accessory in use.

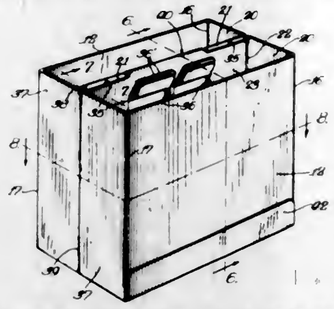
2,584,657
COATED BASE, THE COATING BEING IN MACROCRYSTALLINE FORM AND COMPOSED OF NORMALLY SOLID FILM FORMING MATERIAL AND TRIOXANE
Peter Arcidiacono, Maplewood, N. J., assignor, by mesne assignments, to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application May 17, 1947, Serial No. 748,840
11 Claims. (Cl. 117—42)

1. A base, a coating on a surface of said base, said coating being the combination of a normally solid film forming material and trioxane, said coating being of macrocrystalline design, said film forming material selected from the group of normally solid materials, consisting of polyvinyl esters, vinyl esters copolymerized with each other, polyvinyl acetals, cellulose ethers and cellulose esters.

2,584,658
PAPERBOARD PARTITIONED ARTICLE CARRIER
Edwin L. Arneson, Morris, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application September 23, 1949, Serial No. 117,392
2 Claims. (Cl. 229—28)

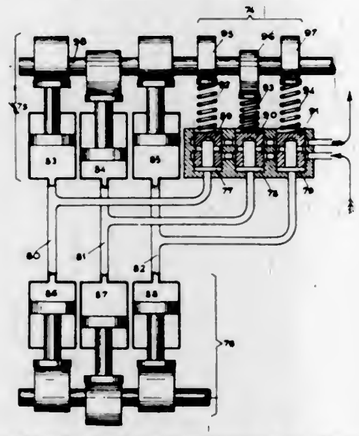
1. An article carrier fabricated of flexible stock comprising pairs of side and end walls hingedly

connected to one another along parallel margins, said end walls each comprising a pair of like end wall panels extending from the respective side walls midway of the carried width, a bottom disposed between said side walls and an upright partition structure extending parallel to said side walls between said end walls and hingedly connected to inner margins of the respective sections of the latter, said partition structure comprising a pair of inner partition panels integrally con-



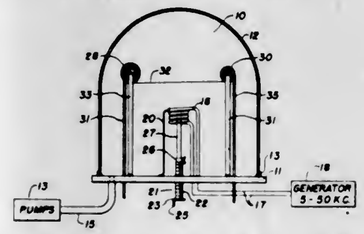
nected to one another by a fold line lying along the top of the structure, said partition panels extending downwardly substantially to said carrier bottom, and a pair of integrally connected, outer partition panels nested over said inner panels, portions of said inner and outer partition panels being separated therefrom and secured to said respective side walls to constitute cross partitions adapted to be disposed transversely of the carrier, said cross partitions extending downwardly substantially to said carrier bottom.

2,584,659
HYDRAULIC TRANSMISSION SYSTEM FOR REPRODUCING ROTARY MOVEMENTS AT A DISTANCE
Pierre Guillaume Joseph Marie Audemar, La Garenne-Colombes, and Paul Louis Julien Gerard, Paris, France, assignors to Olaer-Marine, Paris, France, a company of France
Application May 27, 1947, Serial No. 750,848
In France May 24, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 24, 1966
4 Claims. (Cl. 60—54.5)



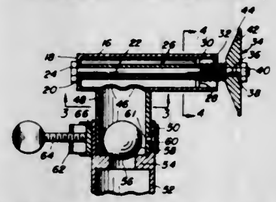
1. In a system of transmitting angular motions of a driving shaft to a remote driven shaft, a pressure controlling device and a cylinder-and-piston-like compensating device cooperating with said pressure controlling device, said compensating device being suitably fluidly connected with at least one receiver provided with cylinders and pistons of total capacity equal to that of said compensating device, said pressure controlling device being controlled by the same shaft as that of said compensating device and connected with the conduits interconnecting the compensating cylinders and receiving cylinders.

2,584,660
VACUUM COATING PROCESS AND APPARATUS THEREFOR
George H. Bancroft, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 24, 1949, Serial No. 117,598
9 Claims. (Cl. 117—93)



7. In a coating process in which coating metal is thermally evaporated under vacuum, the steps which comprise inductively melting at least a portion of a body of coating metal, subjecting said molten portion to vacuum effective to cause evaporation of said portion, and substantially throughout said evaporation subjecting said molten portion to an alternating electromagnetic field having a frequency of 5 to 50 kilocycles per second and thereby electromagnetically compacting and laterally supporting said portion of said body of coating metal while said portion is molten, said molten portion being out of lateral contact with physical supporting means, said electromagnetic field being established by coil means disposed about said portion with the axis of said coil means substantially vertical.

2,584,661
SPRAY NOZZLE
Frank Barker and Walter E. Dean, Conway, Wash.
Application July 16, 1948, Serial No. 39,053
1 Claim. (Cl. 299—128)



A spray assembly consisting of a cylindrical nozzle body having an open end, ports on one side of said body, a deflector adjustably secured axially of said body and spaced outwardly from said open end, said deflector having a conical portion and a peripheral flange at the base of the conical portion, a threaded rod secured to said body axially thereof and supporting said deflector, said rod having a nut engaging the side of said deflector remote from said body and adjust-

ably holding the deflector on said rod, a spider in said body adjacent said deflector, a spring coaxially arranged on said rod between said deflector and said spider and held under varying degrees of compression according to the adjustment of said nut, a sleeve secured to said body and enclosing said ports, a valve housing secured to said sleeve, said housing having a valve seat at its outer end, and a valve in said sleeve and normally seated on said valve seat.

2,584,662

CONCENTRATION OF VITAMIN A ESTERS

James G. Baxter and Henry M. Kascher, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 24, 1949, Serial No. 83,298
4 Claims. (Cl. 167—81)

2. The method of treating a vitamin A-bearing oil which comprises dissolving in petroleum ether an oil containing an admixture of a vitamin A ester and a glyceride, contacting the resulting solution with a body of adsorbent effective to adsorb from about 30% to about 80% of the weight of said oil in said solution, said adsorbent being selected from the group of mild, substantially neutral, non-acidic adsorbents consisting of synthetic sodium aluminum silicate adsorbents and natural zeolite adsorbents, drawing off the unadsorbed portion of the initial solution, and evaporating the solvent from said unadsorbed portion of said initial solution and thereby recovering a vitamin A ester concentrate of substantially greater vitamin A potency than the original oil and containing a major proportion of the vitamin A ester from said oil.

2,584,663

VARIABLE WARP AIRFOIL

Igor B. Bensen, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 27, 1946, Serial No. 679,789
7 Claims. (Cl. 170—160.24)



1. An aircraft rotor having in combination a hub, a twistable blade having a main supporting spar fixed to the tip thereof and extending therethrough to provide a warp axis, said spar having articulated pivotal connections with said hub and means cooperating therewith for varying the pitch of said blades, and means including a reversible electric motor having a flexible shaft rotated thereby and gearing driven by said shaft and interconnected between said spar and the root of said blade for twisting said blade around said shaft to warp said blade to predetermined positive and negative warps relative to said tip.

2,584,664

SYNTHESIS OF MANY-MEMBERED CYCLIC KETONES

Alfred T. Blomquist and Ralph Donald Spencer, Ithaca, N. Y.

No Drawing. Application December 3, 1947, Serial No. 789,554
22 Claims. (Cl. 260—586)

1. A process for preparing cyclic ketones which comprises dehydrohalogenating a dicarboxylic acid halide having from 8 to 34 atoms in the dicarboxylic chain by reacting said halide with an aliphatic tertiary amine under anhydrous conditions in an excess of an inert organic solvent, the mole ratio of said solvent to said halide being in excess of about 100, separating a cyclic ketene fraction, subjecting the latter to hydrolysis and decarboxylation, and recovering a cyclic ketone.

2,584,665

PYRIDYLCHLOROSILANES

Ben A. Bluestein, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application April 14, 1950, Serial No. 156,051
2 Claims. (Cl. 260—290)

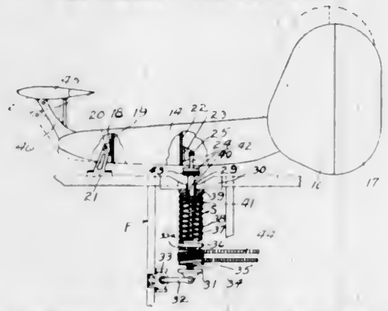
1. The method of making di-(2-pyridyl)dichlorosilane which comprises passing liquid 2-chloropyridine over heated silicon while the latter is maintained at a temperature of from about 250° to 500° C.

2,584,666

AIRCRAFT GUST ALLEVIATING CONTROL MEANS

George E. Bockrath, Long Beach, Calif.

Application March 11, 1944, Serial No. 525,980
15 Claims. (Cl. 244—38)



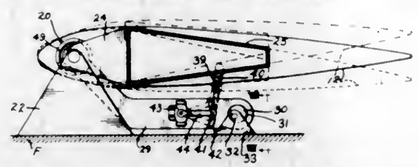
15. In combination in an airplane, a fuselage, a wing, means hinging said wing to the fuselage along a line adjacent to the leading edge of the wing so that the wing can swing relative to the fuselage throughout a substantial range for variation in angle of attack to compensate for and alleviate diversions from level flight of the airplane when encountering up or down gusts, and mechanism for automatically and independently of pilot effected maneuvers controlling the pivotal movements of the wing about its hinge axis for adjusting the angle of attack responsive to up or down gusts during flight, said mechanism comprising a pair of movement resisting members and means connected to the wing and operatively interconnected to both of said members for joint resistance to up gust movement of the wing and arranged to relieve one of said members during down gust movement while the remaining member provides resistance to down gust movement of the wing.

2,584,667

GUST ALLEVIATING CONTROL MEANS FOR AIRPLANES

George E. Bockrath, Long Beach, Calif.

Application February 14, 1947, Serial No. 728,608
20 Claims. (Cl. 244—38)



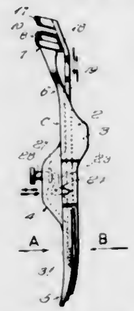
1. In an airplane having a fuselage and a main wing structure including rigidly connected left and right wing sections, means hingedly connecting the wing structure to the fuselage forwardly of the aerodynamic center of the wing structure so as to render the wing swingable about the hinge axis in response to up and down gusts in flight, said means including a spring structure operative to control swinging of the wing structure about the hinge axis upon encountering a gust during flight, said spring structure including a torsion spring unit connected operatively to the wing structure and to the fuselage and acting normally to maintain the wing structure in a predetermined operative position relative to the fuselage.

2,584,668

EYELASH CURLER

Percy A. Brown, Quantico, Va.

Application January 10, 1947, Serial No. 721,296
1 Claim. (Cl. 132—32)



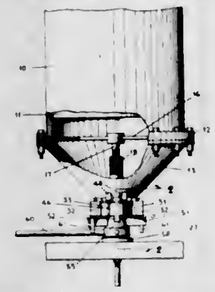
An eyelash curler comprising a sectional casing, the respective sections being formed with portions angularly extending beyond the end of the casing proper and forming seats, an arcuate lower jaw fixedly secured to said seats, said sections being formed to provide, when secured in meeting engagement, a dome-like projection forming a chamber on one side of the casing, a solid outwardly projecting portion intermediate said dome portion and lower jaw on the opposite side of the casing, and a guide channel substantially coextensive with the length of the casing and intersecting said chamber, a complemental eyelash engaging upper jaw element including a spring controlled stem member movably arranged in said guide channel, said upper and lower jaws being in vertical alignment, a bell-crank element pivotly mounted in said dome with one end engaging said stem, a single depressible operating means coacting with the free end of said bell-crank and extending to the exterior of said dome projection operable to produce movement of the upper jaw member to effect eyelash curling engagement of said upper jaw with said lower jaw against said spring control action, the construction and arrangement of said casing and dome and solid projections being such as to provide a comfortable finger engaging formation and positioning the single operating means for actuation thereof by the thumb during the curling operation.

2,584,669

TILE FORMING MACHINE

Joseph A. Bryant, Lehigh, Iowa

Application November 30, 1949, Serial No. 130,211
5 Claims. (Cl. 25—39)



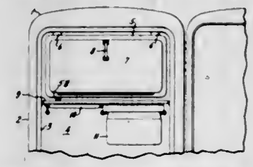
1. A forming machine for making elbow tile having a socket portion at one end including an upright outer die shell with a reduced lower outlet portion of a tubular shape having a cut-away side portion, a movable inner socket forming die member movable axially into and out of said outlet portion and integrally formed with an outer die portion of a size and shape corresponding to said cut-away portion so as to be received in a mating relation therein, and means for releasably locking said inner die member within said outlet portion of the outer die shell.

2,584,670

DRIP TRAY ASSEMBLY

Richard J. Carbary, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application April 11, 1950, Serial No. 155,291
6 Claims. (Cl. 62—103)



1. In a refrigerator having a food storage compartment and an evaporator disposed at the top portion of the food storage compartment and extending substantially the full width of the storage compartment, a door for closing the front of the evaporator, a horizontal supporting frame disposed beneath said evaporator, said frame including a horizontally extending cross piece beneath said door for collecting drip therefrom, said frame further including a central rearwardly extending member and two rearwardly extending side members disposed adjacent opposite side walls of said compartment, a drip tray supported by said frame, a receptacle supported by said frame, said central member and one of said side members including means for supporting said drip tray in one position beneath said evapora-

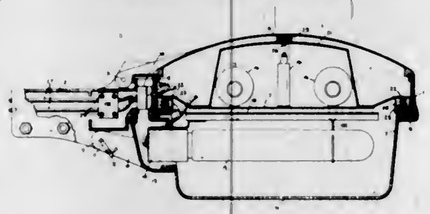
tor during normal operation and further including means for supporting said receptacle beneath said drip tray, said central member and the other of said side members including means for supporting said drip tray in a second position beneath said evaporator laterally removed from said first position and disposed laterally from said receptacle during defrosting, said cross piece having an opening therein and being sloped toward said opening to direct drip water therethrough, said drip tray being disposed beneath said opening for receiving water from said opening when said drip tray is in said first position, said receptacle being disposed beneath said opening and receiving water from said opening when said drip tray is in said second position.

2,584,671

ELECTRIC LIGHTING FITTING HAVING THE LAMP AND CONTROL ELEMENTS THEREFOR REMOVABLE AS A UNIT

Frederick L. Cator, Olton, and Frederick William Thorpe, Birmingham, England, assignors to General Electric Company, a corporation of New York

Application July 30, 1946, Serial No. 687,198
In Great Britain August 3, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 3, 1964
1 Claim. (Cl. 240—11.4)



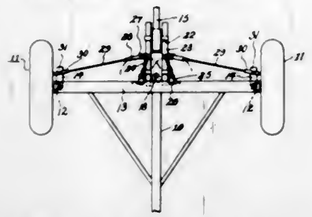
A totally enclosed side entry electric lighting fitting comprising, a base member of ring formation having interior mounting seats fixed thereto, a hollow mounting bracket attached to the periphery of said base member and extending radially outward therefrom, a first electric plug connector mounted within said bracket, a light transmitting closure member hingedly mounted upon said bracket and arranged to enclose one face of said base member, a sub-base resiliently mounted upon said interior seats and extending diametrically across the interior of said ring-shaped base member, an elongated reflector fixed to said sub-base on the side adjacent said closure member and disposed diametrically across said base member, a lamp receptacle supported by said sub-base in a position to mount an elongated arc discharge lamp in parallel spaced relation with said reflector, a second electric plug connector electrically connected to said lamp mounting receptacle and adapted to cooperate with said first plug connector, electric arc control means mounted upon the other side of said sub-base in position to control the arc in said discharge lamp, and a cover member hingedly mounted upon said bracket and arranged to enclose the other face of said base member, whereby, said sub-base divides said totally enclosed fitting into a lower lamp compartment and an upper control compartment and constitutes with said lamp reflector and receptacle and said control means an integral lighting unit removable from said base member without disassembly.

2,584,672

DIFFERENTIAL STEERING MECHANISM FOR VEHICLES

Everett B. Clemons, Columbus, Ohio

Application July 24, 1948, Serial No. 40,583
2 Claims. (Cl. 280—103)



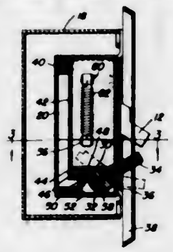
1. In a differential steering mechanism for vehicles having a pair of ground wheels rotatably carried upon individual axle members mounted for turning movement at the respective ends of a transverse axle frame; an elongated steering lever pivotally connected at one end to a stationary member of the vehicle centrally between said wheels for swinging movement in a substantially horizontal plane; means carried on opposite sides of said lever for independent limited sliding movement longitudinally of said lever; a pair of longitudinally extensible links pivotally connected at one of their ends with said last-named means and at their opposite ends with a stationary member of the vehicle in transversely spaced relation on opposite sides of the pivotal connection of said steering lever therewith; means for adjusting the transverse spacing of the said opposite ends of said links with respect to the pivotal connection between said steering lever and the stationary member of the vehicle; and tie rods pivotally connected at their respective ends between said first-named means and the axle members of the vehicle for imparting turning movement to the axle members in response to sliding movement of said first-named means.

2,584,673

DELAYED-ACTION SWITCH

Robert M. Cole, Tigard, Oreg., assignor to Coda Electric Corporation, Tigard, Oreg., a corporation of Oregon

Application September 11, 1947, Serial No. 773,451
3 Claims. (Cl. 200—116)



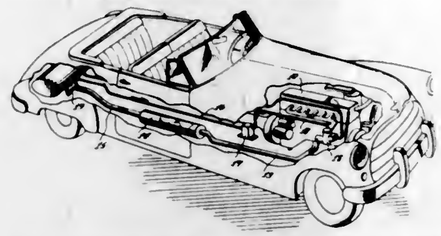
1. A delayed action switch comprising a non-conductive casing, a pair of rigid contact terminals carried by said casing on one side and adapted to be connected to a circuit, a non-conductive lever mounted in said casing, a pivot pin securing said lever to said casing, a contact member carried by said casing opposing one of said contact terminals, a conductive shaft carried by said lever spaced parallel to said pivot pin and connecting one of said contact terminals to said contact member upon actuation of said lever in one direction, a flexible thermostatic arm supported by said casing and disposed within said casing engaging said lever, and means operatively connected to said contact terminals for selectively expanding said thermostatic arm to disengage said lever upon actuation of said lever in one direction.

2,584,674

MEANS FOR RECAPTURING USEFUL FUEL FROM THE EXHAUST GASES OF INTERNAL-COMBUSTION ENGINES

Bartholomew Da Costa, Sunnyside, N. Y.

Application March 14, 1951, Serial No. 215,508
3 Claims. (Cl. 123—119)



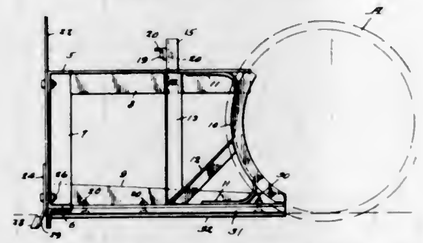
1. In combination with an internal combustion engine having an intake manifold and an exhaust pipe, a filter, a pipe connecting the top of said filter with said manifold, the exhaust end of said exhaust pipe lying substantially horizontal, a return pipe positioned above said exhaust pipe and extending in one direction beyond the extremity of the exhaust end of the exhaust pipe, said return pipe extending in the other direction into said filter and terminating near the bottom of the filter, said return pipe having a downwardly extending baffle positioned adjacent but spaced from said extremity of the exhaust pipe, said baffle having guide walls for directing exhaust gases from said exhaust pipe into said return pipe.

2,584,675

PLOW FOR LEVELING BALLAST OF RAILWAY TRACKS

George W. Dangerfield, Mount Holly, S. C.

Application July 22, 1949, Serial No. 106,302
1 Claim. (Cl. 37—104)



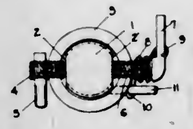
A railway ballast plow comprising a frame, a main plow blade extending transversely of the front of the frame, upper and lower side members forming a part of the frame, elongated curved shoes secured to the rear ends of the side members and against which wheels of a railway car engage in moving the frame over a railway track, said plow blade having railway rail notches formed in the lower edge thereof fitted over the rails of a railway track on which the plow is positioned, elongated supporting shoes secured to the bottoms of the lower side members of the frame and extending throughout the length of the frame, with the front ends of said elongated supporting shoes aligning with the said notches, said supporting shoes having rail engaging flanges formed along the inner longitudinal edges thereof, said flanges resting against the inner edges of rails, holding the frame against twisting, and a vertically adjustable plow blade secured to the main plow blade, said adjustable plow blade also having notches registering with the notches of the main plow blade.

2,584,676

DEPTH GAUGE FOR DRILL PRESSES

Cecil F. Deane, Wichita, Kans.

Application April 26, 1950, Serial No. 158,141
1 Claim. (Cl. 77—34.5)



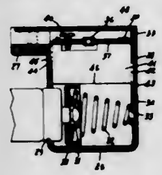
In combination with the gauge guide of a drill press, said gauge guide having diametrically opposed flat surfaces, a depth gauge comprising a collar normally freely slidable on the gauge guide, an adjustable set screw on one side of the collar adapted to contact one of the flat surfaces on the gauge guide, a lock screw on the other side of the collar adapted to be moved into and out of engagement with the other flat surface of the gauge guide, and spring means normally rotatively urging the lock screw away from gauge guide contacting position.

2,584,677

LAMP SOCKET FOR ELONGATED TUBULAR LAMPS

Frank C. De Reamer, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application November 2, 1945, Serial No. 626,346
8 Claims. (Cl. 173—328)



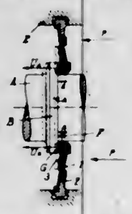
5. A lamp holder for use with double-ended tubular discharge lamps comprising, a hollow housing member closed at the top and open at the bottom and having an opening in the front face thereof to receive the end of the lamp, a contact element movably positioned back of said opening in the upper closed end of the housing, a spring positioned in said end of the housing normally biasing the contact element to a position adjacent said opening, insulating means positioned within the housing beneath the contact element for supporting and guiding said element, a contact terminal mounted on said means having one end extending upwardly into the housing into electrical contact making relation with the contact element, said contact element and said means being removable through the open bottom of the housing member, and means to retain said insulating means in position within the housing.

2,584,678
BAIT CASTING DEVICE
Ray T. Dewey, Watonga, Okla.
Application May 18, 1949, Serial No. 93,955
2 Claims. (Cl. 43—19)



1. A fishing rod comprising a hollow barrel, a spring actuated projector slidably mounted in the barrel and having a seat at its outer end for an artificial bait, a collar at the rear end of the projector, a trigger actuated catch carried by the barrel and releasably holding the projector inwardly of the barrel, and a hollow pleated rubber check positioned in the front end of the barrel to receive the impact of the collar for checking outward movement of the projector.

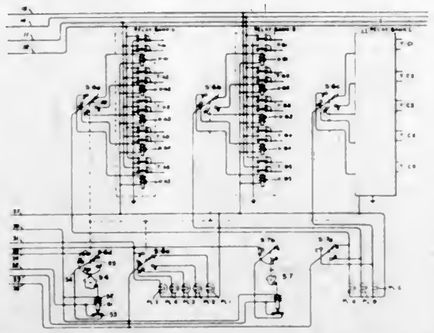
2,584,679
REVERSIBLE PACKING
Stojimir Dobrosavljević, Paris, France, assignor, by mesne assignments, to International Engineering General Research & Licensing Company, Wilmington, Del.
Application August 8, 1946, Serial No. 689,076
3 Claims. (Cl. 286—11)



1. A reversible packing of the type sealing between inner and outer machine members having relative rotational movement and which may be displaced slightly axially and angularly relative to each other, including in combination two concentric rings having on their outer sides tight faces engageable, respectively, with the machine members, at least one elastic diaphragm extending between said rings and held in a tight and relatively non-rotational manner in each of said rings, and at least one of said rings having a convex bearing surface on its inner face against which said diaphragm is adapted to come more or less into contact as said diaphragm is axially elastically deformed by axial displacement of the machine parts and pressure exerted on the face of the diaphragm, the packing being mounted under tension by axial elastic deformation of said diaphragm, and the curvature of said convex bearing surface being such that as said elastic diaphragm, as a result of the axial displacement of the machine members and the pressure acting on the diaphragm face, comes into contact with a greater amount of the area thereof the pressure exerted by the packing tight faces and the machine members increases parabolically.

2,584,680
AUTOMATIC TESTING APPARATUS
Robert A. Doncyson, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application April 16, 1949, Serial No. 87,922
6 Claims. (Cl. 175—183)

1. An apparatus for sequentially and automatically testing a plurality of external circuits for insulation resistance and for continuity, comprising a source of test potential and a source of test current, a plurality of relays, each of said relays having a pair of terminals to which said circuits are connected, said relays operating to connect said terminals to both said sources when energized, a rotary switch for energizing said relays, a timing network for controlling the op-

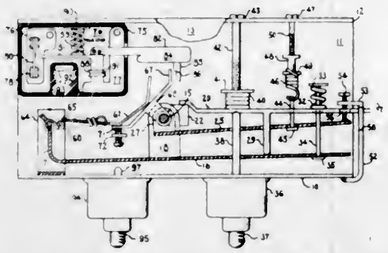


eration of said rotary switch, for causing it to successively energize a single one of said relays for a discrete predetermined time interval, and current responsive means for disabling said timing network when the current resulting from said test potential exceeds a predetermined value and also when said test current fails to attain another predetermined value.

2,584,681
POTENTIALLY REACTIVE FURAN IMPREGNATING SOLUTIONS
Andrew P. Dunlop, Riverside, and Paul R. Stout, Chicago, Ill., assignors to The Quaker Oats Company, a corporation of New Jersey
No Drawing. Application November 1, 1946, Serial No. 707,336
4 Claims. (Cl. 260—70)

1. A method of producing a potentially reactive, low viscosity liquid impregnating solution having high penetrating powers, comprising mixing ammonium thiocyanate and an aldehyde and holding the mixture for about 1 to 24 hours at approximately room temperature, and then adding furfuryl alcohol thereto.

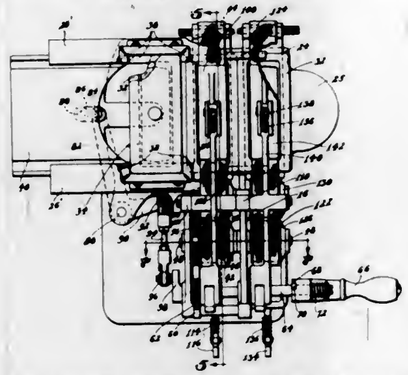
2,584,682
SWITCHING MECHANISM
Lloyd R. Eimermann, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 3, 1949, Serial No. 108,240
10 Claims. (Cl. 200—83)



1. In a control mechanism, a first pivotally movable lever carrying control means thereon, a movable member biased into latching engagement

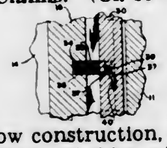
with said first lever by a resilient means, a second lever pivotally movable between first and second positions and engaging said first lever during movement toward said first position to permit said member to move into latching engagement with said first lever, said second lever engaging said member during movement toward said second position to overcome said resilient means and remove said member from latching engagement with said first lever.

2,584,683
COMBINED STENCIL-MOISTENING AND STENCIL-BLOTTING APPARATUS
Harmon P. Elliott, Watertown, Mass.
Application October 17, 1950, Serial No. 190,578
8 Claims. (Cl. 118—58)



1. Apparatus for moistening stencils, comprising a support, means for guiding stencils in succession along the support, a stencil-moistening element at a stencil-moistening position along the support, a stencil-blotting element at a stencil-blotting position along the support, actuating mechanism for advancing stencils in succession along said guide means thereby to advance each stencil to said stencil-moistening position and thence to said stencil-blotting position, means for pressing said stencil-moistening element into engagement with a stencil while the stencil is in said stencil-moistening position thereby to apply moisture to the stencil, and means for pressing said stencil-blotting element into engagement with the moistened stencil after it has been advanced to said stencil-blotting position thereby to remove excess surface moisture therefrom.

2,584,684
WINDOW CONSTRUCTION HAVING BOTH PIVOTAL AND SLIDING MOVEMENT
Harold A. Etling, Marshalville, Ohio, assignor of twenty-fortieths to Betty J. Etling, five-fortieths to Betty J. Etling as trustee for Terry D. Etling, five-fortieths to Betty J. Etling as trustee for Harold Allen Etling, five-fortieths to Betty J. Etling as trustee for Melissa Ann Etling, and one-fortieth to Jefferson C. Etling, all of Marshalville, Ohio
Application July 12, 1949, Serial No. 104,197
3 Claims. (Cl. 20—49)



1. In a window construction, a window sash, a lock strip slidably carried by said sash at a vertically extending margin thereof, said lock strip having a plurality of slots formed therein with each slot having a vertically extending straight section at one end thereof and a longer section extending at an acute angle to the vertical, pin means carried by said sash and engaging said slots to limit the movement of said lock strip, said lock strip being movable from a laterally extended to a laterally retracted position by said pin means when moved vertically with relation to said pin means, said vertically extending slot sections retaining said lock strip in a retracted position when engaged with said pin means, and resilient means urging said lock strip outwardly of said sash.

2,584,685
SECTIONAL AND PORTABLE BOAT STRUCTURE
William J. Evert, Burbank, Calif.
Application March 8, 1949, Serial No. 80,143
3 Claims. (Cl. 9—2)

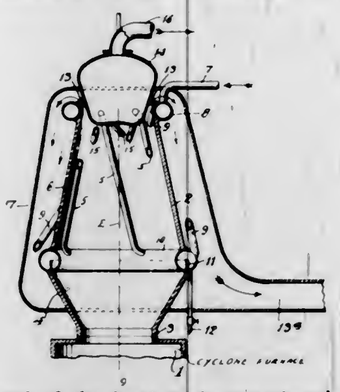


1. A sectional boat including primary and secondary sections, each such section having a bottom, side walls, a relatively thin transverse bulkhead, said bulkheads closing the contiguous ends of said sections, and a horizontal seat member which is united along one edge thereof with the upper edge of said bulkhead and at its ends with said side walls, said seat members uniting, when said boat is assembled, to form a seat; a pair of vertical bosses united with the bottom, bulkhead, and seat member of said primary section and disposed inside said section, there being bores extending vertically through said bosses at the upper and lower ends of which bores lug receiving recesses are formed in the bulkhead, bosses, bottom, and seat member of said primary section; upper and lower locking lugs provided on the bulkhead of said secondary section which fit into said recesses when said sections are juxtaposed in assembling said boat, said lugs having vertical holes which are thereby aligned with said bores; bolts which extend upwardly when in use through said holes and said bores; and nuts which are applied to the threaded upper ends of said bolts to complete the assembly of said boat, there being recesses formed in said upper lugs in which said nuts are entirely received downwardly when so applied.

2,584,686
CYCLONE FURNACE WITH SEPARATED COMBUSTION AND HEAT EXCHANGE CHAMBERS
Manuel Andres Gonzalez Fabia and Heriberto Enrique Guillermo Juan Clausen, Buenos Aires, Argentina, assignors to Tecnica Industrial y Comercial Sociedad Anonima Tecosa, Buenos Aires, Argentina
Application April 27, 1946, Serial No. 665,598
In Brazil April 30, 1945
1 Claim. (Cl. 122—7)

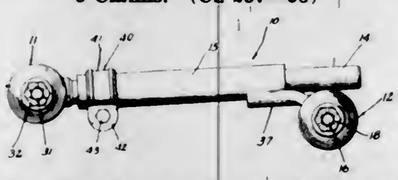
In a cyclone furnace, the combination comprising a longitudinally extending conical heat exchange chamber and a combustion chamber provided with a restricted axial discharge conduit to maintain a given excess pressure in the combustion chamber in relation to the heat exchange chamber, said conical heat exchange chamber

being arranged in axial alignment with said combustion chamber, a conical turbulent diffuser connecting said restricted axial discharge conduit with said heat exchange chamber, said diffuser and heat exchange chamber being of a size to cause an expansion of the products of combustion entering the same, an annular liquid collector at the admission end of the heat exchange chamber, a vaporizer for liquid arranged in the dis-



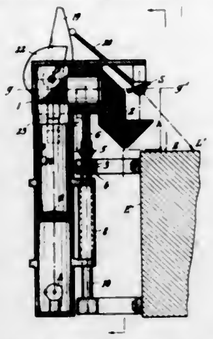
charge end of the heat exchange chamber so as to form an annular discharge opening and restrict the discharge opening of the same, and a plurality of heat absorbing tubes inclined to the axis of the heat exchanger and arranged in said heat exchange chamber spaced from the conical wall thereof and parallel thereto and extending substantially spirally lengthwise thereof and connecting said annular liquid collector with said vaporizer.

2,584,687
ADJUSTABLE TIE ROD
Robert E. Fidler, Royal Oak, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 22, 1950, Serial No. 197,039
5 Claims. (Cl. 287—58)



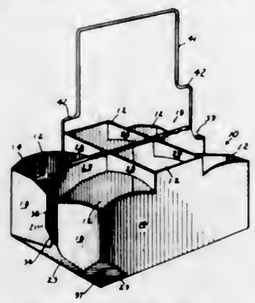
1. An adjustable length tie rod for a vehicle embodying adjustable span steerable wheels comprising an open-ended tube having a longitudinally slotted end portion, a joint having a housing with a stud rotatably and tiltably retained therein, said joint housing having a fixedly attached tongue with a segmental cylindrical face extending generally tangentially from the joint housing, said tongue being fixedly attached to the unslotted end portion of said tube with the cylindrical tongue surface in conforming contact with the adjacent surface of the tube to position the joint housing in offset relation from the unslotted open end of the tube, a second joint having a housing with a stud rotatably and tiltably retained therein, said second joint housing having an elongated rod-like shank portion rigidly attached thereto and extending laterally therefrom into the slotted end of the tube, said shank adapted to extend completely through and beyond the tube, and a clamp on the slotted end portion of said tube to contract said end about said shank for effecting a fixed connection therebetween.

2,584,688
APPARATUS FOR DETERMINING MAP REFERENCES IN NAVIGATION ACCORDING TO THE HYPERBOLA METHOD
Harald Fischer, Braunau a/Inn, Upper-Austria
Application April 17, 1948, Serial No. 21,664
In Austria October 11, 1947
8 Claims. (Cl. 33—1)



1. An apparatus for indicating, by light marks, the intersection of a plane with the surface of imaginary cones whose axes are parallel to the plane, said apparatus comprising a frame having a flat surface portion, a support slidably connected with said frame to slide in a direction at a right angle to the plane of said flat surface portion, a mirror connected with said support swingably about an axis parallel to the plane of said flat surface portion and coinciding with the axes of the imaginary cones, a source of light mounted on said support, and an optical system including a prism mounted on said support in such position as to receive a ray of light from said source and projecting it to said mirror at its swing axis, said prism being revolvable on said support about an axis at a right angle to the swing axis of said mirror and parallel to said flat surface portion for changing the angle enclosed by the light ray and the swing axis of said mirror.

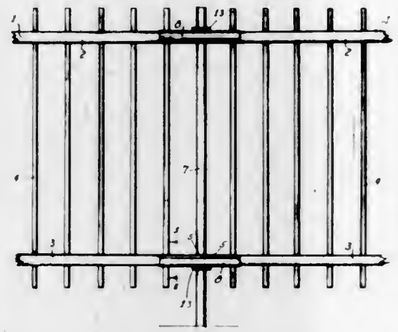
2,584,689
BOTTLE CARRIER
Thomas W. Foster, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application May 28, 1948, Serial No. 29,915
4 Claims. (Cl. 229—52)



1. A bottle carrier comprising: a paperboard carrier set up from a one piece blank and having side walls, flaps extending from the ends of said side walls, a two section interior wall midway between said side walls and each section being formed by folding the paperboard along the upper wall edge thereby providing handle receiving pockets, said flaps intersecting said interior wall

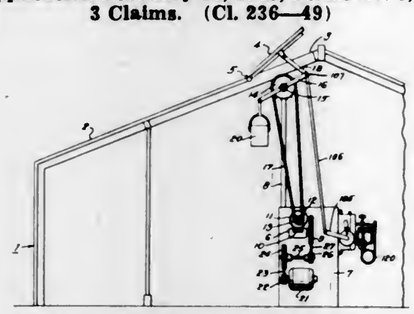
near its ends and overlying the same to form therewith a multi-layer projection at each end, a wire staple extending through each projection near the upper edges of the flaps forming the same for securing them to said interior wall, and a bottom joining the lower edges of said side walls and having no connection to said interior wall; and a wire handle having inturned ends interfitting with said pockets for lifting said carrier, the ends of said handle being retractable in said pockets whereby the same can be lowered to a position below the bottle tops to permit stacking, said handle restraining said sections of said interior wall against movement apart.

2,584,690
PICKET FENCE CONSTRUCTION
William G. Funck, Florissant, Mo.
Application November 16, 1949, Serial No. 127,595
6 Claims. (Cl. 256—24)



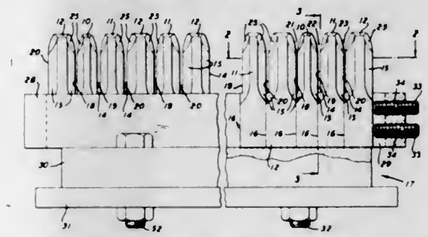
1. In a fence, the combination with a pair of adjacent fence panels each including a horizontal rail and pickets extending vertically therethrough, the opposed terminal ends of said adjacent rails having registering vertical grooves therethrough, a vertical post adapted to be supported at the ground and extend upwardly through said pair of opposed grooves and project beyond said rail, a channel member superimposed on said rail ends to overlie one face and the sides thereof and provided with spaced apart openings to receive said post and the end picket of each of said panels therethrough, and means associated with said channel member to hold the latter relatively of said post.

2,584,691
AUTOMATIC TEMPERATURE REGULATION
Walter Galeazi, San Francisco, Calif.
Application February 16, 1948, Serial No. 8,598
3 Claims. (Cl. 236—49)



1. An automatic temperature regulator comprising a temperature control means including a split phase motor in circuit with a main electric circuit; a forward switch and a reverse switch in circuit with the main motor circuit; independent relay circuits having means in circuit therewith for alternately opening and closing the forward and reverse switches; a switch box having a swing shaft mounted therein and controlled by a swing arm linked to said temperature control means; a mercury up limit switch and a mercury down limit switch each adjustably mounted upon the swing shaft; manual means for independently adjusting the mercury switches on the shaft relative to the swing arm, for automatically changing the direction of rotation of the shaft of said motor; and a thermostatically actuated switch in circuit with the relay circuits between said up limit and said down limit switches, for changing the direction of rotation of said motor shaft in accordance with a rise or fall of the surrounding temperature.

2,584,692
APPARATUS FOR STRIPPING INSULATION FROM WIRES
Edward S. Geary, Nutley, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 3, 1947, Serial No. 752,209
1 Claim. (Cl. 81—9.51)

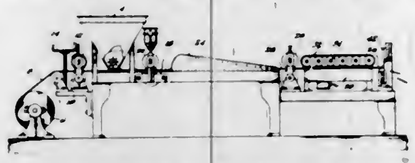


An apparatus for stripping insulations from wires comprising individual elements similar in structure, each having a first surface lying in a given plane and extending substantially the full length of the element, a second surface parallel with the first surface and extending a portion of the length of the element, and a portion having a third surface positioned a given distance inwardly from the second surface which distance substantially equals the diameter of a wire to be stripped of its insulation, and a holder for holding the elements in any selected arrangement whereby the first surfaces of the elements will engage the second surfaces of adjacent elements and cooperate with the third surfaces thereof to form slots to receive insulated wires of predetermined diameters and separate the insulations from the wires forced into the slots to strip the insulations from other portions of the wires by relative movement of the wires and elements.

2,584,693
METHOD OF MAKING FIBER PRODUCTS
George A. Gerard, Short Hills, N. J., assignor to Jiffy Manufacturing Company, Hillside, N. J., a corporation of Delaware
Application September 11, 1948, Serial No. 48,779
1 Claim. (Cl. 154—29)

The method of making a fiber product, which consists in mixing a dry, finely-divided hygroscopic cementitious material with inter-locked short fibers and flakes of beaten paper, moistening the center portion of a strip of backing paper, depositing the resultant mixture on the moistened sheet of backing material, applying heat

to vaporize moisture from the backing material, and applying a narrow strip of adhesive to one edge of the paper strip, folding the paper strip



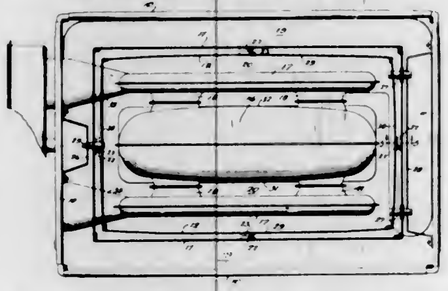
over the short fibers and flakes of beaten paper to form an envelope enclosing them therein, said cementitious material absorbing the moisture to bind the fibers and flakes at discrete points.

2,584,694

LINER SUPPORT IN HOT-AIR FURNACE

Harry L. Glwosky, Wichita, Kans., assignor to The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas

Application April 13, 1948, Serial No. 20,641
4 Claims. (Cl. 126—114)



1. In a heater structure, an outer casing, an inner casing, a heater within said inner casing, a box-shaped liner between said heater and inner casing and comprising side and end sheets secured together at their ends, said sheets being bowed outwardly substantially throughout their width whereby the central portions of said sheets are brought adjacent the inner casing, said inner casing and said sheets being provided with embossed portions extending toward each other at the central portion of the sheet to bring the web portions thereof into engagement, and means for securing said web portions together.

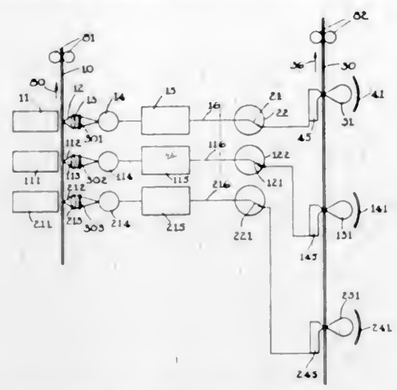
2,584,695

ELECTROSTATIC REPRODUCTION PROCESS AND APPARATUS

Paul J. Good, Webster, N. Y., assignor, by mesne assignments, to Bell & Howell Company, Chicago, Ill., a corporation of Illinois

Application August 14, 1947, Serial No. 768,654
17 Claims. (Cl. 178—5.2)

1. The method of making a graphic reproduction of a subject which comprises scanning the subject along successive scanning lines, translating varying tones at different points along each scanning line into electrostatic charges of varying potential, providing a base sheet on which to make the reproduction, impressing said electrostatic charges successively at different points along a reproducing line on one side of the base sheet and providing a supply of minute particles of coloring material with electrostatic charges of opposite sign on the opposite side of said base sheet along said reproducing line so that said particles will be attracted toward said impressed electrostatic charges in proportion to the varying potentials thereof and will thereby come into



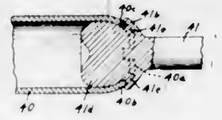
contact with said base sheet and form markings thereon.

2,584,696

ROD AND TUBE ASSEMBLY

Matthew P. Graham, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application September 16, 1947, Serial No. 774,363
1 Claim. (Cl. 287—124)



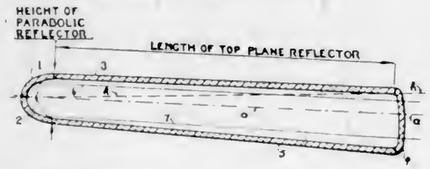
A rod and tube assembly comprising a tube having a reduced diameter curled end with open end slots at spaced intervals around the periphery thereof, a rod having an end portion inserted in said tube and a skirt portion overlying said curled end of the tube, a head on the rod in the tube engaging the inner face of the curled end and having lugs extending through said slots, said head and skirt coacting on opposite sides of the curled end of the tube to hold the tube and rod against relative longitudinal movement and said lugs coacting with the slots of the tube to hold the rod and tube against relative rotational movement.

2,584,697

LIGHT PROJECTION APPARATUS

Roland E. Gunther, Newark, N. J.

Application August 19, 1950, Serial No. 180,333
2 Claims. (Cl. 313—113)



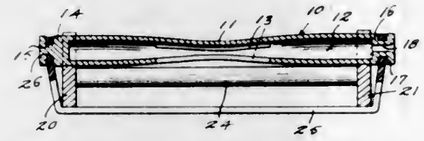
1. In an apparatus for the projection of light, the combination with a parabolic plane reflector, and a straight line horizontal filament located in the focus of said parabolic plane reflector, of a flat plane reflector abutting against the upper edge of said parabolic plane reflector and extending forwardly therefrom in a direction parallel to the axis of said parabolic plane reflector, said parabolic plane reflector and adjoining said flat plane reflector being inclined forwardly downward from the horizontal in such a manner that the end away from said parabolic plane reflector of said flat plane reflector is on the same level as the focus of said parabolic plane reflector, and a transparent member positioned opposite said parabolic plane reflector and adjoining and extending downwardly from the forwardmost edge of said flat plane reflector, and a non-reflective panel extending from the bottom edge of said parabolic plane reflector to the bottom edge of said transparent member, and side panels placed against and joined to the left and right edges respectively of the system formed by said parabolic plane reflector, said flat plane reflector, said transparent member and said non-reflective panel, so constituting a continuous enclosure.

2,584,698

HAIR CURLER

Erwin Hammerschmidt, Wyomissing, Pa.

Application February 5, 1951, Serial No. 209,420
4 Claims. (Cl. 132—42)



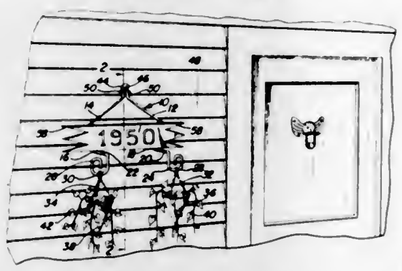
1. In a hair curler, a cage comprised of a pair of circular end discs, each having a cutaway portion therein, a pair of slats connecting said strips, a tubular member adapted to seat in said cutaway portion for securing a curl of hair wound about said tubular member, and means comprising an elastic member passed beneath the bottom of said cradle and engaging the ends of said tubular member for securing said cradle and said tubular member in related assembly.

2,584,699

ORNAMENTAL HOUSE NUMBER

Daniel F. Hansen, Eagle Grove, Iowa

Application February 9, 1950, Serial No. 143,263
3 Claims. (Cl. 40—125)



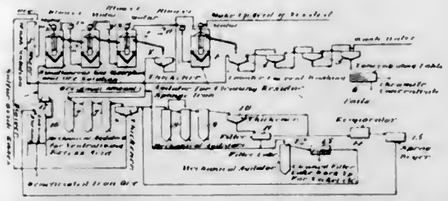
1. A display device comprising a wire frame member including a pair of side portions joined by a yoke, an indicia bearing plate joining said side portions and spacing said side portions, arms projecting laterally and horizontally from said side portions and supporting said plate, hooks depending from said arms, and hanger means depending from said hooks and adapted for supporting flower receptacles.

2,584,700

TREATMENT OF IRON ORE CONTAINING IMPURITIES, INCLUDING NICKEL AND CHROMIUM

Carle R. Hayward, Quincy, Mass., assignor to Bethlehem Steel Company, a corporation of Pennsylvania

Application August 24, 1948, Serial No. 45,862
10 Claims. (Cl. 23—200)



7. The method of separating chromium from iron in an iron sulfate solution containing a small amount of chromium which comprises adding metallic iron to said sulfate solution to form a precipitate containing chromium values, then separating the said precipitate from the remaining solution.

2,584,701

SURFACE-ACTIVE COMPOUNDS

Ronald A. Henry, China Lake, Calif., assignor to The Procter & Gamble Company, a corporation of Ohio

No Drawing. Application September 8, 1949, Serial No. 114,680
10 Claims. (Cl. 260—400)

1. The mixture of surface-active material which is the sulfonation product of a compound of the formula

$$RCOXC_nH_{2n}COX'Y$$

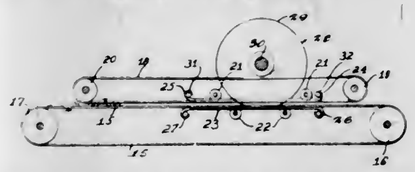
where RCO represents acyl radicals of substantially saturated fatty acids of about 8 to 22 carbon atoms, n is a small integer, X and X′ are selected from the group consisting of oxygen and N(Z), Z being a member of the group consisting of hydrogen and alkyl radicals of not more than 3 carbon atoms, and Y is a low molecular alkenyl radical, in which the carbon to carbon double bond occurs at least one carbon atom beyond the carbon atom to which X′ is attached.

2,584,702

METHOD AND APPARATUS FOR THE PRODUCTION OF GLASS FIBER MATS

Henry R. Hogendobler, Toledo, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

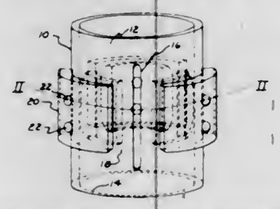
Application March 28, 1947, Serial No. 737,913
7 Claims. (Cl. 19—155)



4. The process of making mats of interlaced glass fibers which comprises feeding through a cutting zone a mass of glass fibers in which the fibers are arranged in side-by-side relation in bundles with the bundles and fibers all extending in the same general direction in the mass, the direction of feed of the mass through the cut-

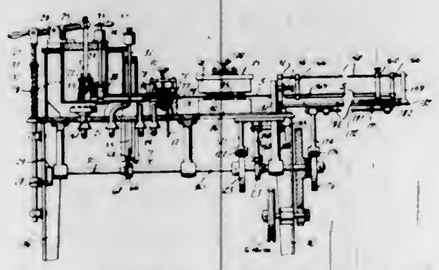
ting zone being generally transverse of the length of the bundles of fibers in the mass, severing the mass in said zone into a plurality of shorter substantially uniform lengths and thereby cutting the bundles of fibers into shorter substantially uniform lengths, separating the said shorter masses into individual bundles, and arranging the separated bundles into haphazard relation in a mat.

2,584,703
COMBINATION COUPLING AND GOVERNOR FOR PRODUCING AXIAL MOVEMENT
Charles Hollerith, Jackson, Mich., assignor to Lake State Products, Inc., Jackson, Mich., a corporation of Michigan
Application March 1, 1946, Serial No. 651,276
1 Claim. (Cl. 264—18)



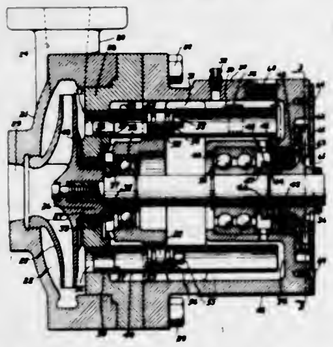
A combination flexible drive coupling and governor designed to be attached between driving and driven members for rotation about its longitudinal axis, comprising a tubular section of flexible resilient material but of a stiffness sufficient to render the tubular section self-supporting to form a coupling connection, said tubular section having an intermediate portion with axial slots therein at circumferentially spaced intervals defining arcuate strip portions adapted to yield under the influence of centrifugal forces upon rotation about its longitudinal axis to permit the intermediate portion of the tubular section to expand radially outwards to shorten the longitudinal length thereof and thereby function as a governor, said tubular section having opposite cylindrical end portions integral with said arcuate strip portions.

2,584,704
STRIP CASTING MACHINE
Harry L. Horn, Dallas, Tex.
Application September 7, 1948, Serial No. 48,116
7 Claims. (Cl. 22—57.2)



7. A holding and pulling mechanism for a strip casting machine having a melting pot, a die connected at one end with said melting pot to receive molten metal therefrom and means for cooling the die whereby the metal is caused to solidify into a strip as it passes therethrough, said holding and pulling mechanism comprising: a pair of endless chains having foot pieces mounted thereon, sprockets for supporting said chains, the sprockets for one chain rotating about axes fixed with respect to the melting pot, the sprockets for the other chain being mounted in a frame adjustable toward and away from said axes whereby said other chain is movable into and out of positive gripping engagement with the strip of solidified metal and whereby the strip is positively gripped and held between the chains on opposite sides and the gripping engagement of the foot pieces with the strip may be adjusted and controlled, and drive gears connected with the chains for intermittently moving said chains in only direction to draw the solidified metal strip from the die, said chain foot pieces holding the strip against movement during the intervals between driving movements.

2,584,705
SEALING DEVICE FOR PUMPS
Hanns Hornschuch, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application November 6, 1946, Serial No. 708,010
2 Claims. (Cl. 103—111)

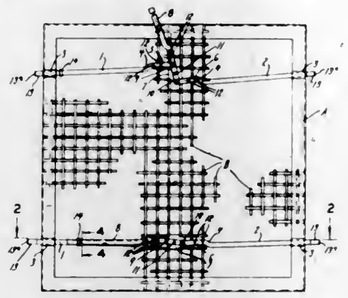


1. In a sealing device for pumps, a casing having an impeller chamber and an aperture opening into the impeller chamber, a housing having a reservoir for sealing fluid to overlie the aperture, an impeller in the impeller chamber having a shaft extending through the aperture and the reservoir, a mechanical sealing device at the aperture to limit the flow of sealing fluid therethrough, a cylinder of non-magnetic material within the reservoir opening at one end into the impeller chamber and at its other end into the reservoir, a plunger of magnetic material in the cylinder constantly subjected to the pressure in the impeller chamber and actuated thereby to exert a pressure on the sealing fluid in the reservoir, a magnet slidable on the cylinder to move with the plunger, and a window in the housing through which the position of the magnet may be observed.

2,584,706
ADJUSTABLE WINDOW GUARD
Jesse W. Hulsey, Jr., St. Louis, Mo.
Application December 22, 1948, Serial No. 66,598
1 Claim. (Cl. 20—71)

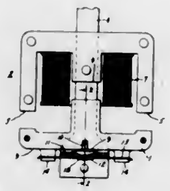
An adjustable window guard comprising a frame having top, bottom, and apertured side portions and a lattice-work screen secured within said frame, a plurality of adjusting mechanisms each comprising a pair of oppositely disposed, horizontal securing means adapted to be expanded or contracted to fit window openings of varying widths, said securing means being

in slidable engagement with the apertured portions of said frame and being positioned adjacent said lattice-work, the inner, opposing ends of said securing means being spaced apart and each of said securing means being bent to increase the space therebetween, an operating handle pivotally connected to said inner, opposing ends and pivotally connected to said lattice-work for moving said securing means into and out of engagement with the sash grooves of a



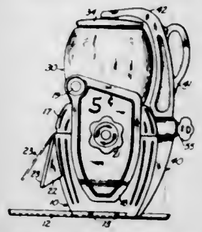
window frame, and a lock slidable on said securing means for holding said securing means in expanded condition, the outer ends of said securing means extending beyond said frame and terminating in enlarged elements adapted to frictionally engage the sash grooves of a window and prevent disengagement of said securing means and said frame, said securing means being capable of securing said window guard in the ordinary sash grooves of a window through direct contact with said grooves.

2,584,707
SELF-ALIGNING ARMATURE
Samuel F. Jarvis and James R. Burch, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application July 14, 1950, Serial No. 173,818
3 Claims. (Cl. 175—336)



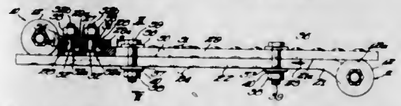
2. In an electrical contactor including an electromagnet having a coil and pole pieces, an operating arm slidably mounted in the center of said coil and an armature for bridging said pole pieces, means for pivotally mounting said armature upon said operating arm including a U-shaped strap member having an outward projecting spherical impression in the closed end thereof and mounted upon the end of said operating arm, said armature being provided with a spherical boss for projecting into the inside surface of said impression and a pair of dogs formed thereon flanking said boss and a flat spring secured at the ends thereof by said dogs and engaging the outside surface of said impression to restrain said armature against said strap, whereby said armature can tilt with respect to said operating arm to seat flatly against said pole pieces in the picked up position of said armature.

2,584,708
PORTABLE VENDING MACHINE
Wallace A. Jenkins, Lakewood, Ohio, assignor to The Atlas Manufacturing and Sales Company, Cleveland, Ohio
Application July 28, 1947, Serial No. 764,055
3 Claims. (Cl. 220—4)



1. A portable vending machine, comprising in combination, a body member including a tray, the said body member having a recess proximate the lower edge thereof at the said tray and forming with the upper surface thereof a socket, a container member including a cover supported by the body member and a unitary clamp member having a foot portion engageable with the said body member socket, a finger portion engageable with the said container member cover and locking means intermediate the said foot and finger portion engageable with the upper portion of the said body and adapted to releasably secure the several parts together.

2,584,709
ADJUSTABLE TIE ROD
Edwin J. Johnson, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 22, 1949, Serial No. 128,762
11 Claims. (Cl. 287—58)

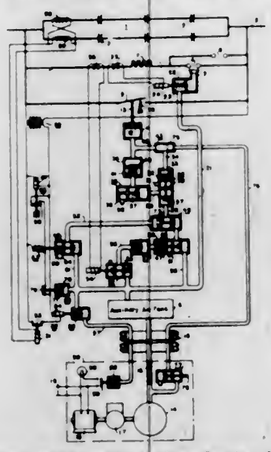


2. An adjustable tie rod apparatus for vehicular steering assembly comprising, in combination, a first socket member, a bar-like stem affixed thereto, a second socket member, a bar-like stem affixed thereto, and a plurality of mating male and female positioning means defined in abutting surfaces of the stems, said stems being adjustable to selectively vary the axial spacing dimension between the socket members by relocating the stems and remating the positioning means and means to retain said stems in adjusted abutting assembly, said socket members and said stems being relatively offset for axially positioning said socket members closer than the lengths of said stems.

2,584,710
PROTECTIVE SYSTEM FOR SERIES CAPACITORS
Floyd D. Johnson, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1951, Serial No. 212,449
14 Claims. (Cl. 175—294)

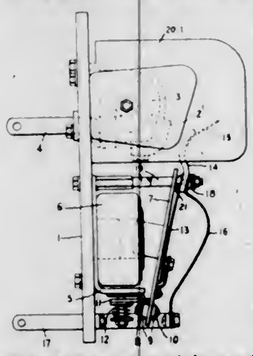
1. A series capacitor installation for an alternating-current line comprising a capacitor adapted to be connected in series in said line, a main spark gap device connected across said capacitor and adapted to break down and become conduct-

ing whenever the instantaneous voltage across the capacitor exceeds a predetermined value, a compressed air tank, means for directing a blast of air from said air tank through the main gap device as soon as it has broken down, a by-pass switch connected across the capacitor and main gap device, biasing means for biasing the by-pass switch to closed position, a pneumatic cylinder connected to the by-pass switch, a main valve device for admitting air from the air tank to said cylinder to normally hold the by-pass switch in



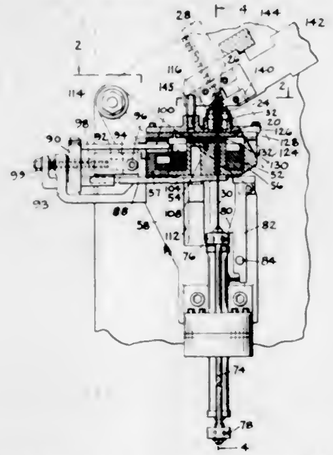
open position, said main valve device being biased to closed position and including pneumatic means for controlling the position of the main valve device, means for admitting air to said pneumatic means to normally hold the main valve device in open position, and means responsive to a predetermined abnormal condition for exhausting the air from said cylinder to permit the by-pass switch to close and for exhausting air from the pneumatic means to permit the main valve device to close and shut off the air supply to the cylinder.

2,584,711
CIRCUIT BREAKER
Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 10, 1947, Serial No. 747,193
7 Claims. (Cl. 200—147)



5. A circuit breaker comprising a fixed contact, a blowout coil positioned adjacent said fixed contact, a pivotally mounted resilient switch member including a movable contact engageable with said fixed contact, a pivotally mounted striker movable relative to said switch member and arranged to strike said switch member approximately at its center of percussion to separate said contacts, said striker and said switch member having substantially equal moments of inertia, and means for moving said striker in a contact-opening direction with a velocity sufficient to impart to said movable contact by impact an average initial velocity of at least thirty inches per second over approximately the first forty mils of contact-opening movement whereby said blowout coil within a period of time not exceeding approximately 1⅓ milliseconds after the parting of said contacts initiates a lateral movement of an arc formed between said contacts.

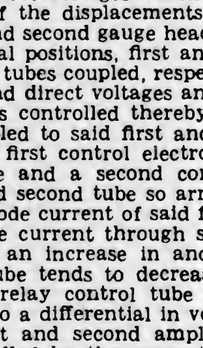
2,584,712
MOLDING MACHINE AND PROCESS
Lester L. Jones, Oradell, N. J., assignor to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application October 26, 1946, Serial No. 703,541
23 Claims. (Cl. 18—30)



1. Apparatus for molding a series of units out of a molding material, said apparatus including a feed channel through which a rod of the material is fed, an intermittently rotatable dial having top and bottom surfaces sliding between closely fitting stationary surfaces and provided with a series of measuring chambers passing through said dial, one of said chambers being aligned with the aforesaid feed channel to receive and sever a measured length of rod corresponding to one molded unit, another of said chambers being aligned with a transfer plunger disposed on one side of the dial and a nozzle disposed on the opposite side of the dial, and a die communicating with said nozzle, whereby the measured quantities of molding material cut off at the feed channel are transferred into the die by the transfer plunger.

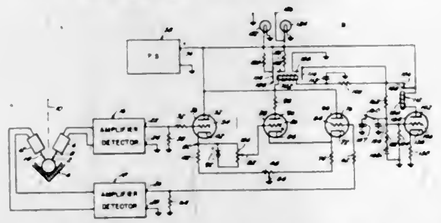
2,584,713
SIGN SUPPORTING STRUCTURE
Stephen W. Kanaval, Deer Park, Ohio, assignor to The Coca-Cola Bottling Works Co., Cincinnati, Ohio, a corporation of Ohio
Original application November 20, 1945, Serial No. 629,836. Divided and this application January 6, 1950, Serial No. 137,254
4 Claims. (Cl. 40—125)

1. A sign anchorage member which comprises a substantially flat elongated base plate, an intermediate neck portion having an opening spaced from and extending transversely of the major axis of the elongated base plate, and a centrally apertured circular head supported upon the neck portion, the aperture of the circular head being transverse to said opening with the axis of the aperture substantially parallel to the



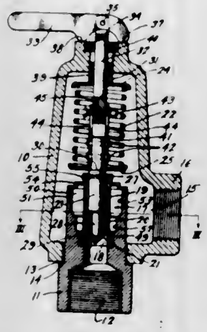
major axis of the base plate, the base plate of the anchorage member being adapted to be attached to a sign panel with an upright sign supporting bar disposed in the neck opening and with a brace pivotally attached to the apertured head for supporting the sign panel.

2,584,714
DIFFERENTIAL MEASURING GAUGE
Donald N. Kirkpatrick, Livingston, N. J., assignor to Federal Products Corporation, Providence, R. I.
Application June 21, 1949, Serial No. 100,391
8 Claims. (Cl. 177—311)



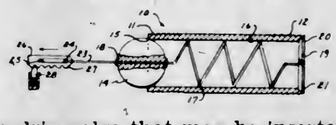
1. A differential measuring system for indicating automatically workpieces having an out-of-round exceeding a predetermined limit comprising first and second gauge heads having movable feelers adapted to engage at spaced positions the surface of a rotating workpiece, first and second amplifier-detectors coupled, respectively, to said first and second gauge heads for producing first and second direct voltages which are functions, respectively, of the displacements of the feelers of said first and second gauge heads with respect to their neutral positions, first and second electron amplifier tubes coupled, respectively, to said first and second direct voltages and having their anode currents controlled thereby, a relay control tube coupled to said first and second tubes and having a first control electrode coupled to said first tube and a second control electrode coupled to said second tube so arranged that an increase in anode current of said first tube tends to increase the current through said relay control tube and an increase in anode current of said second tube tends to decrease the current through said relay control tube operatively to respond only to a differential in voltage supplied from said first and second amplifier-detectors, a relay controlled by the current through said control tube, and an indicator circuit energized by said relay in response to measurement of a workpiece having an out-of-round greater than said predetermined limit.

2,584,715
POP-TYPE SAFETY VALVE
Leo J. Kmiecik, Chicago, Ill., assignor, by mesne assignments, to McDonnell & Miller, Inc., Chicago, Ill., a corporation of Delaware
Application September 7, 1945, Serial No. 614,994
6 Claims. (Cl. 137—53)



6. In combination in a safety valve of the character described, means defining a chamber having an outlet, means providing an imperforate fluid passage in said chamber having a valve seat therein and a mouth within said chamber spaced from said valve seat, a valve member engageable with said seat and normally biased to retain said seat engagement until opposed in opening direction by fluid pressure in excess of a predetermined maximum, said valve member being of smaller external diameter than the internal diameter of said passage and being of a length to extend normally beyond said mouth, a valve seat at said mouth comprising a fine line edge extending away from said valve seat within the passage, and a ring-shaped pop valve flange relatively reciprocably encircling said valve member and normally engaging said fine line valve seat edge, said valve member having a shoulder opposing said pop flange valve in normally spaced relation within said chamber to permit opening movement of the pop flange valve relative to said valve member, said valve member being of uniform diameter from said shoulder throughout its range of opening movement beyond said mouth so that the pop flange valve can move relative to said valve member onto said seat edge responsive to back surge in said chamber.

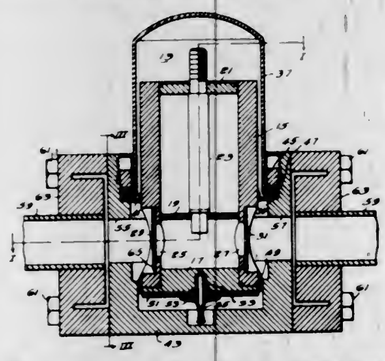
2,584,716
NONDRIP VALVE
Noah Koppel, Bronx, N. Y.
Application December 15, 1947, Serial No. 791,919
1 Claim. (Cl. 251—164)



A non-drip valve that may be inserted within a pipe including a hollow body portion having two openings, a poppet valve mounted to abut against the exterior of one opening, a spring mounted within said body, said spring affixed to one end of said body portion and the opposite end of said spring affixed to the poppet valve,

a rod attached to said poppet valve in alignment with said poppet and said spring and mounted externally of the valve body, said body portion being threaded externally, an operator connected to said rod through a lost-motion device, a detent means on said lost-motion device, said lost-motion connection and detent means holding the operator in a set position to prevent full closure of the valve, the lost-motion connection permitting the fluid to move the valve to a more fully open position.

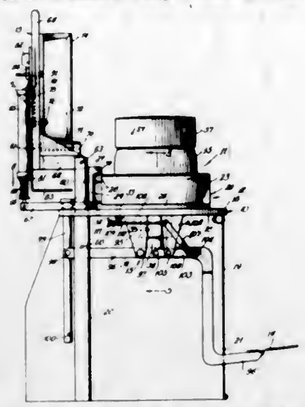
2,584,717
METHOD OF FORMING A CAVITY RESONATOR
Daniel Alpert, East Pittsburgh, and Sidney Krasik and Theodore D. Holstein, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 28, 1945, Serial No. 631,398
3 Claims. (Cl. 178—44)



3. The method of forming a cavity resonator intended to have a resonant frequency which is substantially independent of temperature variations of its walls which comprises forming a vessel of metal walls, said vessel being provided with a closure for one end, fixing in position at a point substantially displaced from the other end of the vessel a flexible diaphragm attached at its periphery to the vessel wall and provided with a center post extending through said vessel, said center post having affixed to it a plastically deformable metal plate of dimensions suitable to close said other end of said vessel, attaching the rim of said plate to the walls of said vessel adjacent said other end and forcibly deforming said plate by the amount necessary to displace said flexible diaphragm to the position which tunes the cavity between it and the first mentioned end of said vessel to the resonant frequency desired.

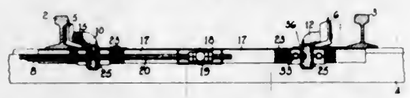
2,584,718
CONTAINER ASSEMBLING APPARATUS
Gustave H. Laabs, Morris, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application October 1, 1949, Serial No. 119,161
13 Claims. (Cl. 93—55.1)

1. An assembling device of the type described, comprising a support, a contractible clamping ring mounted on said support, means to contract said clamping ring, a clamping and assembling head, a contractible clamping ring on said head, means connecting said head to said support for relative movement of said last named ring to and from generally concentric, assembling relation to said first named ring, means to contract said head clamping ring and means operatively connected to said last named ring contracting means and to said first named ring contracting means



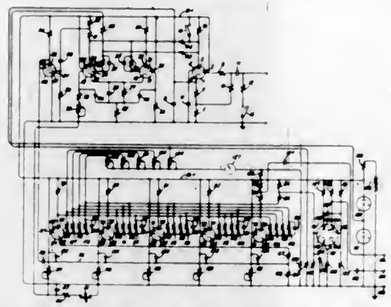
for automatic conjoint operation of said rings, said automatic operating means including means to operate said last named ring contracting means simultaneously with operation of said first named ring contracting means.

2,584,719
RAILWAY SWITCH POINT CONNECTION
Edwin C. Larry, Greece, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application October 20, 1945, Serial No. 623,463
2 Claims. (Cl. 246—452)



1. A connector for connecting a switch point to a switch rod comprising in combination, a lug having a substantially straight longitudinal portion adapted to be secured to the side of a switch point, said lug having an integral journal pin of substantial length offset from said longitudinal portion and extending transversely from the longitudinal axis of said lug, said journal pin having longitudinally spaced limiting flanges marking the limits of a substantial journal portion of the pin, said journal portion being sufficiently spaced transversely from the longitudinal axis of said longitudinal portion of said lug to extend substantially entirely below the base of a switch point to which the lug may be secured, a split bearing adapted to couple said journal pin to a switch rod by journaling said pin along said journal portion between said flanges, one half of said bearing having a serrated mounting surface adapted to cooperate in adjustably securing the bearing to a correspondingly serrated surface of a switch rod, said bearing having longitudinally spaced bearing contact surfaces which adjoin the respective flanges of said journal pin, whereby the spacing of the bearing surfaces provides a structure adapted to resist maximum torsional force applied to said lug with a minimum amount of friction being set up by bearing contact surfaces, and means including bolts for detachably securing the halves of said bearing together about said journal pin, said means also being adapted to secure said serrated surface by said bolts in cooperative locking engagement with the serrated surface of a switch rod, whereby the journal pin is securely journaled within the bearing when the bearing is secured to a switch rod with which the coupling may be associated, and whereby the bearing can be readily replaced without removal of the lug from a switch point.

2,584,720
ELECTRONIC COUNTER
James L. Lawson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 26, 1946, Serial No. 706,036
2 Claims. (Cl. 235—92)



1. In combination, a plurality of thermionic tubes possessing electrodes including a control electrode, a cathode and an anode, means for connecting the anode of each tube through a separate impedance to the positive lead of a direct current source and all cathodes through a common impedance to the negative lead of such source, a plurality of voltage divider circuits formed by connections from the control grid of each tube to the anodes of the remaining tubes of said plurality, each through a separate non-capacitive impedance and connections from each control electrode to the negative lead of said source through a separate impedance, capacitor means for capacitively coupling the anode of each tube to the control electrode of the next tube in said plurality, said tubes chosen in any desired continuous sequence, means for applying a signal voltage across said impedance common to all cathodes of said plurality of tubes, and rectifying means for each tube of said plurality of tubes connected from the control electrode of such tube to a tap on said impedance common to all cathodes of said plurality of tubes for providing a discharge path for the coupling capacitor associated with such tube when the voltage on the control electrode of such tube is below a desired value.

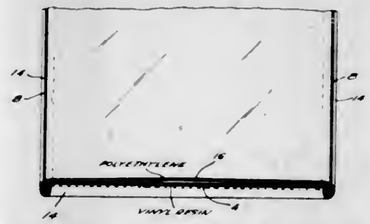
2,584,721
CASE WITH SPRING-URGED PIVOTED SLIDING CLOSURE
Richard Linneman, Atlanta, Ga.
Application September 13, 1946, Serial No. 696,890
3 Claims. (Cl. 220—38)

1. A covered case for articles comprising, in combination: a body of rectangular cross-section presenting top and bottom surfaces and end surfaces extending therebetween; an article receiving space enclosed by said body and opening at the top surface thereof; said end surfaces formed with vertical grooves parallel with their side margins; a pair of cover members each formed with ears to overlap the ears of the other; pivot pins pivotally uniting said ears and formed with heads projecting into said grooves for sliding movement therein; spring means coiled about said pins urging said cover members toward each other to a closed position over said open edge; and coacting cam means carried by said body and by the respective cover members acting to spread said



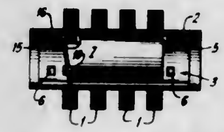
members when the pins are moved in said grooves away from said open edge.

2,584,722
MOTHPROOFING RESISTANT PLASTIC GARMENT BAG
Emanuel M. London, New York, N. Y., assignor to A. L. Siegel Co., Inc., New York, N. Y., a corporation of New York
Application June 26, 1948, Serial No. 35,371
3 Claims. (Cl. 206—7)



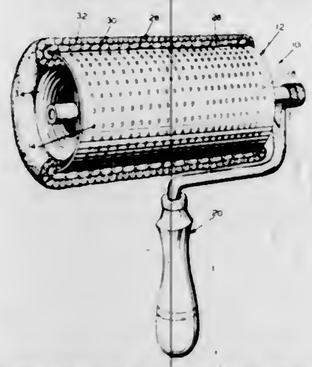
1. A garment bag comprising a two-ply wall, both plies being substantially air-impervious, said two plies being superimposed one on the other, one of said plies comprising a flexible vinyl resin sheet and the other of said plies comprising a flexible polyethylene sheet, said vinyl resin sheet imparting sufficient strength to said wall and said polyethylene sheet rendering said wall resistant to the action of moth-proofing reagents.

2,584,723
VARIABLE INDUCTANCE DEVICE
Donald Mackey, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 18, 1947, Serial No. 769,202
1 Claim. (Cl. 171—242)



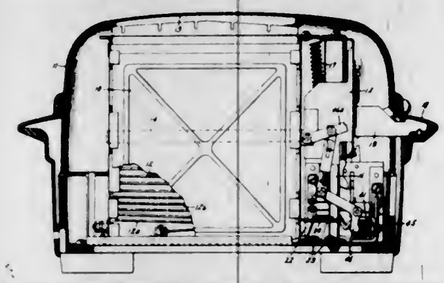
A core for varying the inductance of an inductance member held on a threaded core guide, said core comprising an elongated molded body portion substantially symmetrical about its longitudinal axis, and a single external thread on the end surface of said body positioned concentric which respect to said axis, the said thread not exceeding one turn in length whereby said core may be forced endwise without rotatory movement for removal longitudinally from the mold in which it was formed.

2,584,724
PAINT APPLICATOR
William A. Mattie, Chesterland, Ohio, assignor, by mesne assignments, of one-half to K. R. Proctor and one-half to Donald G. Gill, New York, N. Y.
Application September 10, 1949, Serial No. 114,964
11 Claims. (Cl. 15—132.5)



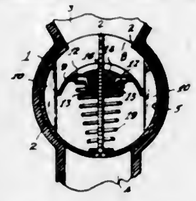
1. A roller paint applier of the paint self-containing cylinder-type having a plurality of radial perforations in its surface having a pair of thin porous interlaced resilient material sleeves and two heavy porous interlaced resilient material sleeves, each having an external napped surface, arranged in telescoping relation to one another upon the external periphery of the cylinder with the heavy sleeves sandwiched between the thin sleeves.

2,584,725
TOASTER TIMING MECHANISM
Jacob W. McNairy, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application March 12, 1947, Serial No. 734,091
2 Claims. (Cl. 219—19)



2. In an automatic electric toaster including a primary electric heater for heating said toaster, a timing mechanism of the heat-up cool-down type wherein the total cooking period is the heat-up period plus the cool-down period for determining the duration of cooking action by said primary heater, said mechanism comprising a bimetallic thermostat bar constituting a timing element, a secondary electric resistance heater in immediate proximity to said thermostatic element and being formed predominantly of nickel and iron to provide a high positive temperature coefficient of resistance, said secondary heater being initially connected in series circuit relation with the primary heater and having a relatively low resistance with respect thereto whereby the resistance of the primary heater predominantly determines the current flowing in said series circuit, control means for the primary heater and for said secondary heater operated by said element to interrupt the action of said secondary heater when said element attains a predetermined high temperature and to interrupt the action of the primary heater only when said element has cooled to a relatively low temperature, the heating effect of said secondary heater on said thermostatic element serving to shorten the heat-up period and hence the toasting time by an amount dependent upon the temperature of said secondary heater and the heat stored in said toaster to thereby shorten the second and subsequent cooking periods to toast edibles in succession to the same degree.

2,584,726
DISPENSING APPARATUS FOR VENDING MACHINES
Loren W. McOmber, Peoria, Ill., assignor to Corson E. Bobenmyer, Peoria, Ill.
Application May 26, 1948, Serial No. 29,387
4 Claims. (Cl. 222—306)



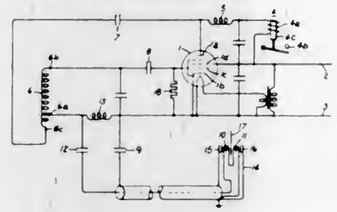
1. In a vending machine, the combination of a body portion having a bore whose walls are cylindrically curved, and provided with an inlet passage and an outlet passage communicating with said bore, a cavitied cylindrical member fitting said bore, rotatable therein, and having an opening in its wall communicating with the cavity, said opening adapted to register with one or the other of the named passages during rotation, a screw rotatably mounted on the cylindrical member and extending at one end into the cavity of the member toward said opening, means to prevent the screw shifting in one direction longitudinally toward said opening while permitting rotation thereof about its longitudinal axis, a nut threaded on the screws, a plate in said cavity of the member adapted to engage upon said nut, one of the two last named parts having a socket to receive the other therein, and both having a measurement in one direction greater than in another direction in a plane perpendicular to the longitudinal axis of said screw, and a mounted spring in the cylindrical member abutting the said plate and constantly tending to hold the same in engagement with the nut, said plate having a position in the said cylindrical member to receive thereon a commodity to be dispensed and adapted to tilt in opposition to the spring by an overcharge of said commodity forced thereupon.

2,584,727
STORAGE SYSTEM FOR TREATING MATERIAL
Joseph Grenville Mellen, Gulfport, Miss.
Application November 6, 1945, Serial No. 627,019
5 Claims. (Cl. 34—225)



1. In combination, a storage room having a door through which bagged material can be loaded in or out, a first plurality of stringers disposed in parallel relation on the room floor and spaced from the room walls, an imperforate covering supported by the stringers and extending from one end thereof a distance short of the other end thereof, a perforate mat supported by the stringers and extending from the inner end of said covering to said other end of the stringers for the support of the bagged material in stacked relation, a second plurality of stringers supported by the first stringers thereabove and in parallel relation thereto, the second stringers extending from said one end of the first stringers to the inner end of said covering, a perforate mat supported by said second stringers for the support of the bagged material in stacked relation, a first duct means being defined between said first stringers and a second duct means being defined between said second stringers for the delivery of a gaseous conditioning medium through the mat perforations substantially throughout the bottom area of bagged material stacked thereon, and means for supplying a gaseous conditioning medium under pressure to both of said duct means at said one end.

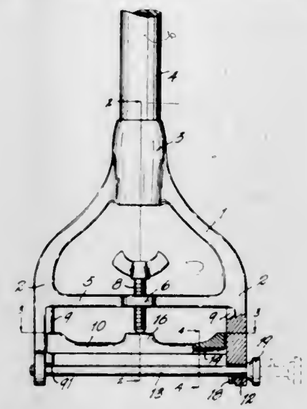
2,584,728
ELECTRONIC RELAY
Philip C. Michel, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 31, 1946, Serial No. 719,437
9 Claims. (Cl. 250—36)



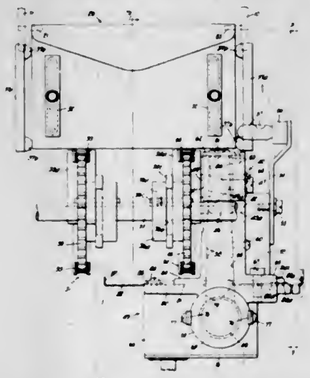
1. In a control system, the combination of an electric valve oscillator having input and output circuits, a balanced feedback from said output circuit to said input circuit, a mutual inductance coupling in said feedback tending to establish oscillations, a direct coupled inductance in said feedback tending to terminate oscillations comprising two coils connected in series relationship, means mounting said coils in spaced relationship, and means comprising an electrically conductive vane movable into the space between said coils to render said second coupling ineffective and to render said valve oscillating to de-energize said electromagnetic device.

2,584,729
MOPHEAD WITH QUICK RELEASING MOP CLAMP
Frank E. Nezamis, Kalamazoo, Mich.
Application October 20, 1947, Serial No. 780,781
2 Claims. (Cl. 15—153)

2. A mop head comprising a frame having parallel side arms extending from a handle receiving portion and a cross bar extending between and connected to said arms intermediate of the ends of said arms, a clamp bar interlockingly engaging said arms and being slidable longitudinally therealong below said cross bar, adjustable screw means threadingly engaged with said cross bar and axially bearing unconnectedly against said clamp bar, the ends of said arms having transverse aligned holes formed therein, one of said holes having a radially extending notch, a mop holding rod positioned in said holes and axially removable therefrom and rotatable therein, said rod having a lug arranged to pass through said notch and be rotated into rod locking engagement with the arm in which said notch is formed, and a knob on one end of said rod spaced from said lug whereby said knob and said lug will engage oppositely facing surfaces on said frame when said lug is turned out of registry with said notch to prevent axial movement of said rod.



2,584,730
ENVELOPE FEEDING MECHANISM
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co. Inc., New York, N. Y., a corporation of New York
Application October 2, 1950, Serial No. 188,040
2 Claims. (Cl. 271—62)



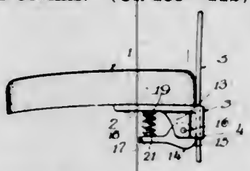
1. In an envelope feeder for advancing envelopes on edge in stack formation to a transfer point which includes mechanism for advancing the stack at varying speeds in order to secure the desired stack density near the transfer point; a density meter for controlling said mechanism comprising, in combination, a light source arranged to transmit light diagonally downward across a corner of the stack, a photoelectric cell for receiving said light and controlling said mechanism in accordance with the intensity of the light received, and a light shield adapted to be interposed more or less in the path of the light en route to the photoelectric cell, the shield including relatively adjustable members settable to control the proportion of light transmitted to that

intercepted, so that desired stack densities may be secured through the action of the photoelectric cell for envelopes of different thicknesses.

2,584,731
MANUFACTURING METHOD OF SOLID L-MONOSODIUM GLUTAMATE MONOHYDRATE
Tetsuwo Ogawa, Kawasaki, Kanagawa Prefecture, Japan, assignor to Ajinomoto Kabushiki Kaisha, Tokyo, Japan, a corporation of Japan
No Drawing. Application May 25, 1950, Serial No. 164,295
3 Claims. (Cl. 99—16)

1. Method of producing a seasoning agent which comprises cooling a saturated water solution of mono-sodium L-glutamate at a temperature below −0.8° C. to crystallize out mono-sodium L-glutamate penta-hydrate and dehydrating the crystallate to produce porous and water soluble mono-sodium L-glutamate monohydrate.

2,584,732
ADJUSTABLE ARMREST
Jack Okun, Chicago, Ill., assignor of one-half to Joseph Velick, Chicago, Ill.
Application October 6, 1949, Serial No. 119,828
4 Claims. (Cl. 155—112)



1. An adjustable arm rest for the front seat of an automobile and providing a support for the right arm of the operator, comprising a supporting bar formed of a relatively wide and flat metal stock bent to conform to the back of the front seat with the upper end extending over and thereby anchored upon the upper portion of the back for retaining this end in fixed position and with the lower end bent rearwardly and this bent end received and held between the rear of the front seat cushion and the back, an arm rest vertically adjustable upon the supporting bar and including a supporting bracket having a slot therethrough for receiving therein the supporting bar and a spring-pressed latch member having an eccentric face pressed into and held in tight engagement with the adjacent surface on the supporting bar whereby to retain the arm rest rigidly in any desired adjusted position.

2,584,733
MAGAZINE HAVING SPOOL ROTATION INHIBITING MEANS
Freeman H. Owens, New York, N. Y.
Application April 8, 1948, Serial No. 19,683
9 Claims. (Cl. 242—55)

1. A magazine comprising a casing having a bottom wall and an apertured end wall, a pair of spools rotatably mounted in said casing parallel to said bottom wall upon which is wound and between which extends a reproducing medium adapted to be wound upon one spool as it is unwound from the other, a disc having a peripheral opening connected to and parallel with said spools for rotation therewith, a plate slidable parallel to the bottom wall of said casing, said plate carrying a pair of fingers each engageable in the peripheral opening of one of said discs when said plate is moved towards said apertured end wall and disengageable therefrom when said plate is moved away from said apertured end wall, a spring active on said plate to move it toward said apertured end wall, a portion of said

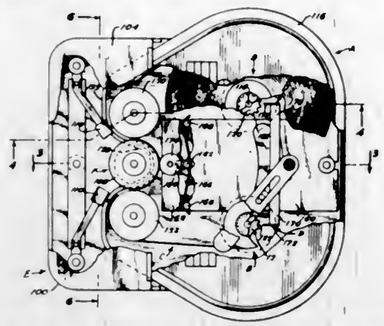
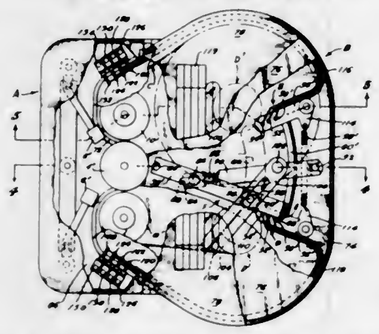


plate being engageable by an element enterable into said magazine from the exterior thereof, said plate being movable thereby away from said apertured end wall so as to release said spools for rotation.

2,584,734
CONTROL MECHANISM
Freeman H. Owens, New York, N. Y.
Application May 13, 1948, Serial No. 26,735
21 Claims. (Cl. 242—57)



1. In a switch controlled by the position of a medium, a support, a contact carrier mounted in said support and spring urged into engagement with said medium and bearing an electrical contact, a switch arm pivotally mounted in said support and resiliently urged toward said carrier and bearing a plurality of electrical contacts with which said contact on said carrier is adapted to make successive electrical connection, said switch arm moving with said contact carrier as the latter moves in response to the position of said medium, and a plurality of circuits each connected to one of said plurality of contacts and successively energized as the position of said medium changes.

2,584,735
DISPENSING APPLICATOR AND MASSAGING DEVICE
William G. Pancoast, Evanston, Ill.
Application November 19, 1949, Serial No. 128,412
8 Claims. (Cl. 128—67)

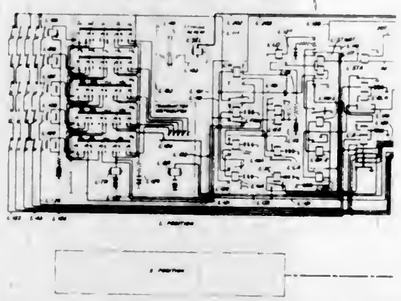
1. A dispensing and massaging device, including a hollow head of resilient material, means carried by said head to attach the same over the mouth of a collapsible tube containing material

to be dispensed, the exterior of said head having a pair of flat outwardly converging faces, one of said faces having a slot communicating with



the hollow in said head and through which material is dispensed, and a plurality of flexible massaging projections on the other of said faces.

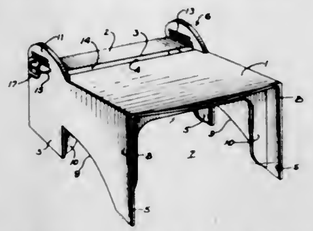
2,584,736
TELEGRAPH SWITCHING SYSTEM
Donald B. Perry, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 2, 1950, Serial No. 159,573
7 Claims. (Cl. 178—2)



1. A telegraph system comprising a switching center, a plurality of operating positions, a plurality of transmission circuits respectively terminating at said plurality of operating positions, means for each of said circuits responsive to a telegraph signal incoming over another of said circuits for designating the selection of circuits to receive a message incoming over said other circuit, manually operable means for each of said circuits for effectively selecting the designated circuits, and means at each of said operating positions for continuously repeating when one or more of the designated circuits are busy, a telegraph signal over the selected ones of said circuits until said one or more busy circuits becomes free and available to receive the message incoming over said other circuit.

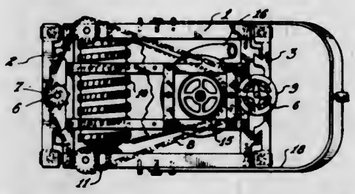
2,584,737
FOOD SLICER
Samuel J. Popeil, Chicago, Ill.
Application December 9, 1949, Serial No. 132,065
6 Claims. (Cl. 146—171)

1. A food slicer having, in combination, a frame structure defining a flat top working surface with a transverse terminal edge at one end, and lugs projecting respectively from opposite sides of said structure upwardly above said surface and endwise beyond said edge, said lugs being formed with registering series of parallel slots, the slots of each series being disposed in parallel relation to and progressively increasing distances above said surface, the slots of each series being disposed in progressively increasing longitudinally offset distance endwise away from said surface in direct relation to their distance of location above said surface, a cutting



blade with a sharp cutting edge disposed in opposed relation to said terminal edge, the opposite ends of said blade being removably inserted selectively into any one pair of companion slots of said registering series to locate and maintain said blade in predetermined parallel spaced offset relation to said surface, and means for maintaining said blade in endwise position in the selected slots.

2,584,738
PORTABLE POWER-OPERATED SURFACE ABRADER
Paul J. Reitz, Hamilton, Ohio, assignor of forty-nine per cent to George Edward Dolch, Portland, Ind.
Application June 28, 1946, Serial No. 680,202
1 Claim. (Cl. 144—115)



An abrading device comprising a hollow cylinder with at least one open end mounted on a longitudinal axle spaced away from said cylinder by spokes, said spokes being configured as fan blades and a pulley on said axle for driving said cylinder, said cylinder having an abrading surface and a plurality of apertures communicating with said surface and the hollow interior, said abrading surface comprising a plurality of teeth having cutting edges and arranged in a spiral about the surface of the cylinder, said apertures being located between successive teeth on said spiral.

2,584,739
CENTRALIZED TRAFFIC CONTROLLING SYSTEM
Frank X. Rees, Chili, and Robert H. Bechtold, Irondequoit, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application July 24, 1948, Serial No. 40,534
14 Claims. (Cl. 177—353)

8. In a communication system of the carrier frequency type for communicating with a plurality of field stations from a central office, a transmitter at the central office including a source of carrier frequency and pulse forming means constructed to transmit a series of pulses

constituting a cycle of operation and including a synch pulse at the beginning followed by a plurality of spaced station call pulses, the first of said station call pulses having a corresponding space between it and said synch pulse and said series also including control pulses between successive station call pulses with those control pulses immediately following a particular station call pulse belonging to the corresponding station, receiving means at each field station effective to receive all the pulses transmitted from said control office and including a station counting chain having a plurality of electron tubes connected to operate step by step in response to input pulses, a timer responsive to an input pulse to measure a time period corresponding to the spacing between station call pulses, a synch pulse selector controlled by said receiver



to supply an input pulse to said timer only in response to the reception of said synch pulse, a station call pulse gate connected to said receiver to receive input pulses, and also connected to said timer to receive an input at the end of each timing operation, but said station call pulse gate being effective to supply an input pulse to said counting chain only if a station call pulse is received immediately following the completion of a timing operation by said timer, circuit means effective to supply an input pulse to said timer each time said station call pulse gate is effective to cause an operation of said counting chain, and circuit means at each station rendered distinctively responsive to the control pulses for that station upon the operation of said station counting chain to that particular step assigned to such station.

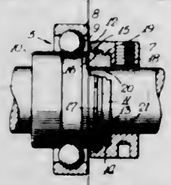
2,584,740

SELF-LOCKING BEARING COLLAR

Harry R. Reynolds, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut

Application September 12, 1946, Serial No. 696,513

14 Claims. (Cl. 287—52.09)



1. In combination, an anti-friction bearing having an inner ring having an inner surface to be mounted upon a shaft, a locking-ring member secured to said ring and having a bore to fit the shaft at one end of said ring, said member having a flange extending coaxially with a part of said inner ring, said flange and said part having contiguous generally concentric locking surfaces which are eccentric with respect to the axis of the inner surface of said ring, each of said eccentric locking surfaces being flared in the same sense so that locking may be established over a relatively extensive contact between flared surfaces, and means circumferentially and radially non-binda-

bly engaging both said flange and said ring for resisting axial displacement of said ring with respect to said member.

2,584,741

ADJUSTABLE GAUGE

Nils Johan Ludvig Sandström, Goteborg, Sweden, assignor to SKF Industries, Inc., Philadelphia, Pa., a corporation of Delaware

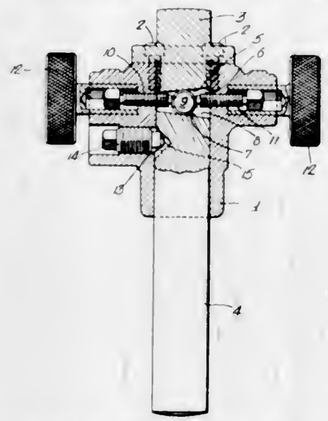
Application June 22, 1945, Serial No. 601,040

In Sweden April 26, 1944

Section 1, Public Law 690, August 8, 1946

Patent expires April 26, 1964

2 Claims. (Cl. 33—163)



1. An adjustable gage comprising a body and a pair of contact members mounted in and projecting from said body with the inner end of one of said members in opposed relation to the inner end of the other, one of said contact members being adjustable relative to the body, a groove extending across the inner end of each of the contact members with the planes of the bottom surfaces of the grooves angularly disposed with respect to each other, an adjusting member interposed between the inner ends of the contact members and movable in and longitudinally of said grooves in engagement with said bottom surfaces and in guiding contact with the side walls of said grooves, means for positively shifting the adjusting member along the grooves, and locking means for said adjustable contact member, said locking means being arranged to exert pressure on the adjustable contact member in a direction to urge the member towards the adjusting member whereby the position of the adjustable contact member is determined conjointly by the locking means and the adjusting member.

2,584,742

COMBINED HIGH CHAIR AND LADDER

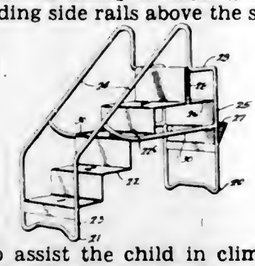
Philip R. Schilling, Benton Harbor, Mich.

Application March 23, 1950, Serial No. 151,367

4 Claims. (Cl. 155—1)

1. The structure which includes the combination of a child's high chair and climbing steps facing in opposite directions comprising a seat at the level for a child's high chair, a foot rest spaced below and extending forwardly of the seat, a series of steps behind the seat having the top step at about the level of the seat, an upright between the top step and the seat of a height capable of being straddled by the child while at the same time functioning as a back rest for the seat, and spaced side frames fixedly unit-

ing all of the elements in their desired relation while providing side rails above the steps, upright



and seat to assist the child in climbing up the steps and over the upright and providing a barrier which minimizes falling from the assembly.

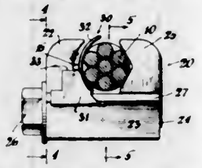
2,584,743

MESSENGER WIRE CLAMP

Raymond B. Schoonmaker, Stephen P. Becker, and Henry R. Wengen, Poughkeepsie, N. Y., assignors to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y., a corporation of New York

Application March 13, 1948, Serial No. 14,676

4 Claims. (Cl. 24—81)



4. Means for securing a small diameter strand to a strand of much larger diameter comprising a clamp having rigid jaws movable relative to each other, said jaws having slidably interfitting base portions; a spacer member having a concavo-convex plate disposed between said jaws and extending parallel thereto, said spacer member having side walls respectively overlying the side walls of one of said jaws and the upper edge of said spacer member walls disposed substantially above the lower edge of said jaw and collectively defining means for supporting said small diameter strand relative to said jaw; and screw threaded means engaging the respective base portions of said jaws to effect relative movement thereof.

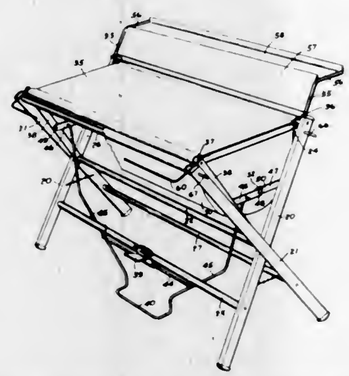
2,584,744

INFANT'S BATHING AND DRESSING STAND

Leonard W. Schwartz, Henrietta, N. Y.

Application April 14, 1947, Serial No. 741,172

9 Claims. (Cl. 4—173)



1. The combination with a folding stand comprising two longitudinally-spaced pairs of front and rear legs, means pivotally connecting the pairs of legs together so that they may be opened or closed, and longitudinally extending bars connecting the front and rear legs at their tops and adapted to support a tub, of a roller mounted on the rear legs, a flexible sheet secured at one end to said roller, said roller having means incorporated therein for automatically winding up the sheet thereon, a longitudinally extending rod to which the free, forward end of the sheet is attached, and a pair of arms, each of which is connected at one end to one end of the rod, and each of which is pivotally connected at its opposite end to the stand to pivot about the same center as the legs of the stand.

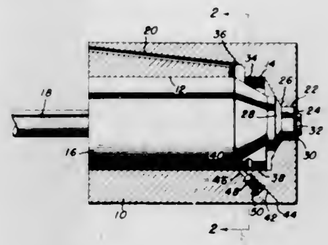
2,584,745

PILOT INJECTION NOZZLE

Joseph Sellber, Brooklyn, N. Y.

Application August 16, 1948, Serial No. 44,538

1 Claim. (Cl. 299—107.5)



An injection nozzle having a chamber and a plunger reciprocable therein, said chamber having a main discharge orifice at one end and a pilot discharge orifice spaced axially of said chamber from said main orifice, axially spaced main and pilot valves on said plunger cooperating with said orifices, the axial distance between the valves being less than the axial distances between the orifices whereby upon the injection stroke of the plunger the pilot orifice will be opened and closed prior to the closing of the main orifice, said pilot valve including a circumferentially extended, radial projection on said plunger slidably engaging said pilot orifice, a circumferential groove in said projection registrable with said pilot orifice and continuously communicating with the interior of said chamber, non-return valves in said pilot orifice.

2,584,746

REVERSING DRIVE MECHANISM FOR CLEANING-AIR TUBES IN SELF-CLEANING FILTERS

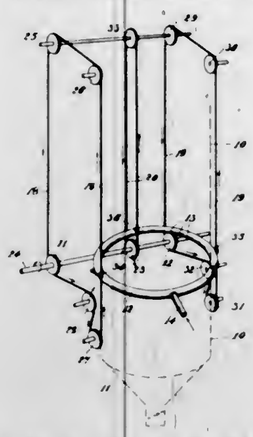
William M. Sheldon, Elizabeth, N. J., assignor to Pulverizing Machinery Company, Summit, N. J., a corporation of New Jersey

Application September 10, 1949, Serial No. 115,038

3 Claims. (Cl. 183—61)

1. A self-cleaning dust filter of the type having an annular cleaning-air tube adapted to be reciprocated to and fro vertically over the surface of a cylinder of filter medium which includes at least two flexible members passing over wheels adjacent the top of said cylinder and over wheels adjacent the bottom of said cylinder and connected to said tube at not less than three horizontally spaced points for holding said tube horizontal, all of said wheels being mounted for rotation about axes all of which are coincident with or parallel to each of the other axes, and means

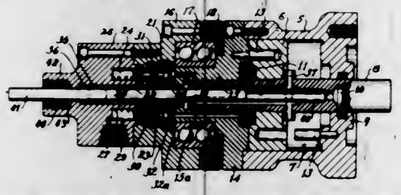
for imparting simultaneous uniform vertical motion to said flexible members first in one direction and then in the other to draw said tube up and pull it down alternately.



2,584,747
SWIVEL CONNECTION FOR AIR OPERATED CHUCKS

Harry E. Sloan, Hartford, Conn., assignor to The Cushman Chuck Company, Hartford, Conn., a corporation of Connecticut

Application March 1, 1950, Serial No. 146,944
4 Claims. (Cl. 121—38)



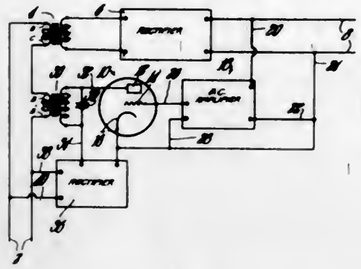
1. In combination with a cylinder having a piston slidable in a chamber therein, a spindle secured to said cylinder, a slidable operating shaft extending through the bottom of said cylinder and through said chamber and piston; the said piston being secured to said shaft, a housing journaled on said spindle, a seal on said housing and spindle, a co-axial chamber in said housing, a first co-axial passage in said operating shaft extending through said piston and communicating said co-axial chamber with the cylinder chamber at one side of the piston, a separate chamber in said housing, a passage extending parallel to the co-axial passage in the shaft and communicating said separate chamber with the cylinder chamber at the opposite side of the piston, and a separate inner passage co-axial with the first co-axial passage in the shaft and extending entirely through the said housing, spindle, cylinder and shaft.

2,584,748
VACUUM TUBE REGULATING APPARATUS

Wolcott M. Smith, Springfield, Mass., assignor, by mesne assignments, to General Instrument Corporation, Elizabeth, N. J., a corporation of New Jersey

Original application March 24, 1945, Serial No. 584,714. Divided and this application July 26, 1946, Serial No. 686,283
10 Claims. (Cl. 321—24)

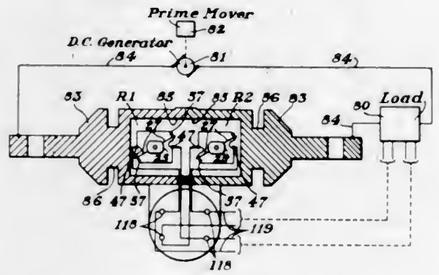
1. A vacuum tube regulating apparatus comprising in combination, an A. C. supply line, a load line connected through a rectifier to the supply line, a vacuum tube including at least plate, grid and cathode, a transformer having a primary in the supply line and one end of its secondary connected to said plate, a rectifier having an input side connected to said supply line and an output connected to said cathode and to said plate through said secondary, a condenser across said secondary, an amplifier having its output connected to said grid and to said cathode, and connections across said load line to the input of said amplifier such that the voltage between said grid and said cathode varies in the same sense as the voltage at said load, thereby causing the current in said secondary to vary in the same sense as the voltage at said load.



2,584,749
ELECTRICAL RELAY

Clarence S. Snavely, Churchill Borough, Allegheny County, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application August 28, 1947, Serial No. 771,024
37 Claims. (Cl. 171—97)

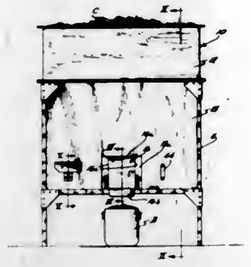


24. In an electrical circuit supplying electric current to a load, two relay housings each formed of electrically conductive material and having an opening extending from one end of the housing toward the other, said relay housings secured together with the ends provided with openings in abutting relation and with their opposite ends connected respectively in said load circuit, whereby said two housings are included in series in said load circuit and carry the load current in such a direction that the magnetic field produced by the current flow is external to the housings, two relay means mounted respectively inside said two housings and each including an armature, and means associated with each of said housings for diverting flux from the field external to the housing into said opening and through the associated armature for operating that armature.

2,584,750
VENDING MACHINE FOR BULK MATERIAL

Leo Spanski, Chicago, Ill.

Application August 17, 1949, Serial No. 110,741
2 Claims. (Cl. 222—70)



1. A vending machine for successively delivering predetermined amounts of bulk material comprising a hopper having a tapered bottom converging to a small bottom opening, an open topped trough mounted under said opening and extending laterally from the hopper, said trough having side walls and a bottom wall, a downturned discharge spout on an end of the trough remote from the hopper opening, an endless conveyor belt having an upper run extending along the length of the trough near the bottom thereof to convey material in the trough from the hopper opening through the discharge spout, said discharge spout having a closed top at a level above the upper run of the conveyor belt and not lower than the open bottom of the hopper, together with an open bottom at a level spaced materially below said upper run of the conveyor belt, said tapered bottom of the hopper being effective to level off material fed through the bottom opening onto the conveyor belt as said material is moved out of registry with said opening, an electric motor for driving said belt at a constant rate, an energizing circuit for said motor including a timer determining the period of energization of the motor, said timer being adjustable to vary said period of energization to preselect the desired period of operation of the conveyor belt for delivering a predetermined amount of bulk material, an actuator for said timer, and walls preventing free access to material in the trough and to said timer, whereby successive operation of said actuator will effect successive movement of said conveyor belt to move material from said hopper at a level determined by the tapered bottom of the hopper and unimpeded by the top wall of the discharge spout to successively deliver uniform predetermined amounts of material through the open bottom of the discharge spout without providing access to the material before it is discharged through said open bottom.

2,584,751
SILYLPHENOXYALCOHOLS

John L. Speier, Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application January 8, 1951, Serial No. 205,031
4 Claims. (Cl. 260—448.2)

1. A compound of the formula

$$(CH_3)_3SiC_6H_4OCH_2CHR'OH$$

where R' is selected from the group consisting of methyl radicals and hydrogen.

2,584,752
TRIMETHYLSILYLPHENOXY ESTERS

John L. Speier, Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application January 8, 1951, Serial No. 205,032
4 Claims. (Cl. 260—448.8)

1. A compound of the formula

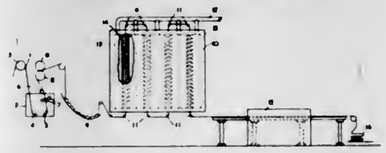
$$R_3SiOCH_2CHR'OC_6H_4Cl$$

where R is a monovalent hydrocarbon radical and R' is selected from the group consisting of methyl radicals and hydrogen.

2,584,753
METHOD FOR TREATMENT OF TEXTILES

William Wycliffe Spooner, Ilkley, England

Application March 25, 1949, Serial No. 83,496
In Great Britain December 5, 1947
2 Claims. (Cl. 26—18.5)



1. A method of treating woven webs of textile fabric containing moisture, including performing three operations in sequence upon a web as it moves continuously forward, namely, an initial drying in the absence of warp and weft tension, then a moistening in the absence of warp and weft tension, and then a drying under weft tension.

2,584,754
MACHINE FOR THE TREATING OF WEB MATERIAL

William Wycliffe Spooner, Ilkley, England, assignor to The Spooner Dryer & Engineering Company Limited, Ilkley, England, a British company

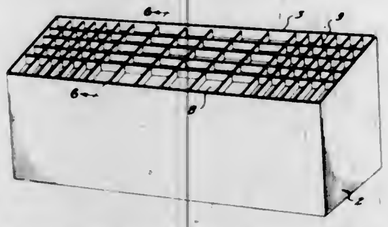
Application August 4, 1949, Serial No. 108,454
In Great Britain August 4, 1948
2 Claims. (Cl. 271—2.6)



1. An apparatus for the treatment of web material including in combination a treatment chamber having oppositely disposed walls providing for the passage of the web therethrough, pivotal mounting means at spaced points lengthwise of the chamber and alternately attached to

the oppositely disposed walls, a plurality of pairs of spaced parallel levers mounted on the pivotal means and extending inwardly of the chamber, web guide means supported at the ends of each pair of levers, strips interconnecting each pair of levers with the adjacent pair of oppositely disposed levers, an operating handle, and a strip connecting said operating handle with one of said levers.

2,584,755
DISPLAY BIN ASSEMBLY
William G. Stewart, Covington, Ky.
Application April 29, 1949, Serial No. 90,480
1 Claim. (Cl. 312—140.4)



A display bin assembly comprising a base member and side and end walls, a plurality of block members of uniform height and of different widths and lengths seated directly on said base member, spacer members adapted for insertion between selected blocks, and a plurality of bin forming partition members of different lengths for insertion between other selected blocks, selected ones of said partition members being disposed at right angles to other partition members to form bins of different dimensions in assembled relation with one or more of said blocks.

2,584,756
CATALYSIS AND PROCESS FOR REFORMING HYDROCARBONS
Harrison M. Stine, East Cleveland, Ohio, assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application August 11, 1948, Serial No. 43,764
6 Claims. (Cl. 260—668)

3. A reforming catalyst consisting of beryllium, ferric and aluminum oxides in the ratio of about 10 mol percent beryllium oxide, about 10 mol percent ferric oxide and about 80 mol percent aluminum oxide in the form which results from heating a mixture of said oxides to a temperature within the approximate range of 1150 to 1500° F.

5. A process for increasing the content of aromatics and unsaturates in a hydrocarbon mixture, said process comprising contacting said hydrocarbon mixture with the catalyst of claim 3 under reforming conditions.

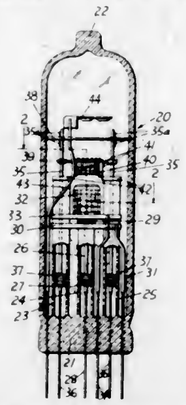
2,584,757
BALL-BEARING SWING HANGER
Irvine C. Stroth, Wellston, Ohio
Application October 12, 1949, Serial No. 121,029
1 Claim. (Cl. 248—341)

The combination with a horizontal hanger bar of inverted V-shaped construction, said hanger bar having an opening disposed centrally thereof, of a swing hanger comprising a stationary outer bearing ring, a bolt secured to the outer stationary bearing ring extended through the opening of the hanger bar, a nut on the bolt securing the outer stationary bearing ring within the inverted V-shaped hanger bar, an inner bearing ring mounted within the outer stationary bearing ring, bearing balls disposed between the outer and inner rings of the bearing member, a



hanger link secured to the inner bearing ring and encircling a portion of both of said rings, and a swing cable secured to the hanger link whereby swinging movement of the cable rotates said inner bearing ring on the ball bearings.

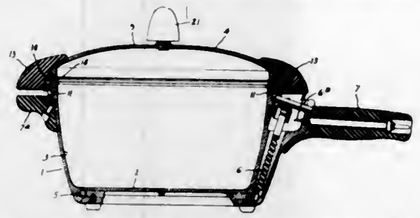
2,584,758
GASEOUS DISCHARGE DEVICE
Paul W. Stutsman, Needham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 25, 1949, Serial No. 101,285
3 Claims. (Cl. 313—193)



1. An electron discharge device comprising an envelope containing a cathode, an anode surrounded by a sleeve of insulating material, a plurality of grids surrounding said insulating sleeve and said anode, and a keep-alive electrode positioned at substantially the minimum breakdown distance from said cathode.

2,584,759
COVER SECURING MEANS FOR PRESSURE COOKERS AND THE LIKE
Alfred G. Swenson, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Original application May 25, 1946, Serial No. 672,250. Divided and this application May 17, 1947, Serial No. 748,802
1 Claim. (Cl. 220—40)

A pressure cooker comprising an open-top receptacle having an upright side wall, a plurality of circumferentially spaced receptacle lugs projecting outwardly from said side wall adjacent to but below the top edge thereof, a cover for said receptacle having a depending side wall which when the cover is on the receptacle overlaps the top of the receptacle and extends down to a point below said lugs, a plurality of inwardly projecting circumferentially spaced cover lugs on the inside of said depending side wall of a circumferential length less than the spaces between the receptacle lugs whereby they may be passed down between the receptacle lugs when the cover is positioned on the receptacle and brought to positions under said receptacle lugs by turning the cover on the receptacle, the receptacle lugs and the cover lugs being so spaced with respect to the



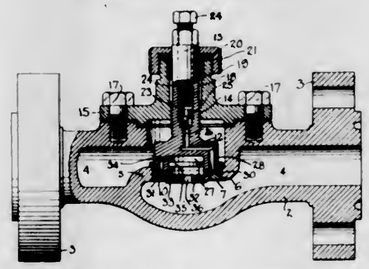
rim of the receptacle and the bottom edge of said cover side wall respectively that when the cover lugs are under the receptacle lugs they are spaced vertically with respect thereto to permit limited upward movement of said cover relative to said receptacle in response to build-up of pressure in said receptacle, a pair of cooperating receptacle and cover lugs being provided one with a projecting pin and the other with a socket for receiving said pin when the cover moves up under pressure in the receptacle thereby to lock the cover against rotative movement on the receptacle, and stop means on the receptacle and cover which engage to effect the positioning of said pin with respect to the socket.

2,584,760
APPARATUS FOR WAVING HAIR
James A. Swenson, Waltham, William E. Burns, Norfolk, and Richard H. Stead, Revere, Mass.
Application September 24, 1949, Serial No. 117,597
5 Claims. (Cl. 132—33)



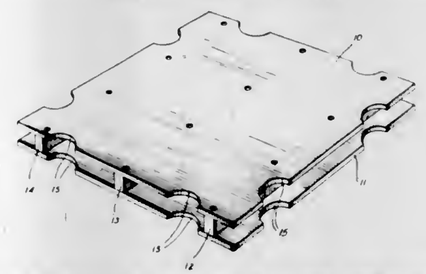
1. A hair-waving curler consisting of a main or body member and a removable pin lock-stop member, said main or body member having at one end an enlarged head portion of cylindrical form and having an axially extending end recess, the outer surface of which head is provided with a parallel series of circumferentially spaced, longitudinally extending channels each parallel with the axis of said recess, and each consisting of slightly spaced radially extending walls connected by a bottom wall, said channels extending substantially entirely about said cylindrical head portion; the said main or body member being longitudinally bifurcated to provide two parallel, closely adjacent tines extending from the said head portion; the said removable pin lock-stop member having at one end a thin portion to be grasped by a thumb and finger and from which thin portion extends a short arm of a length and diameter adapting it to be inserted into and to fit the axial recess of said head portion, said removable pin lock-stop member having at least one much longer formation generally parallel with the said arm, and which, when the said removable pin lock-stop member is positioned, extends generally parallel with the said main or body member, the said longer formation having an inner edge shaped to be slid lengthwise into and to fit any desired one of the said circumferentially spaced channels upon the said cylindrical head portion when the said short arm is inserted into the axial recess of said head portion.

2,584,761
LUBRICATED GLOBE VALVE
Alexander S. Volpin, Houston, Tex.
Application August 24, 1945, Serial No. 612,444
1 Claim. (Cl. 251—20)



A lubricated globe valve comprising, a housing, a flow passage therethrough, a wall across said passage, a port therethrough, a seat ring disposed in said port, a valve member, a stem thereon to open and to close said member against said seat ring, means to provide a sealing material between said member and seat ring including a distribution groove on said member, a reservoir for a supply of sealing material in said valve member, a barrier movable therein responsive to line pressure when the valve is closed, means to inject sealing material through said stem, valve member, and base to said groove, a conduit connecting such reservoir to said groove so that lubricant injected when the valve is closed will by-pass said groove to said reservoir, an additional groove for sealing material between said seat ring and port, and a connection between said grooves when the valve is in closed position.

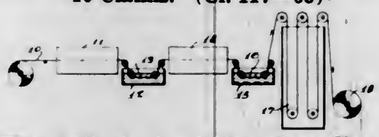
2,584,762
PALLET
Frank A. Vossenberg, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application April 28, 1945, Serial No. 590,900
1 Claim. (Cl. 248—120)



In a combination of the class described, a pallet having upper and lower load supporting floors held in spaced relation for the insertion of lifting forks or the like therebetween, each of

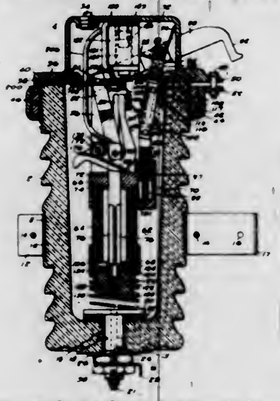
said floors having particularly formed vertically aligned and relatively shallow scallops in at least the forward edges of the said upper and lower floors, said load supporting floors being each adapted to have applied directly thereto a load spacer and to have the load deposited on said load spacer whereby to space the load from the load supporting floor, the said load spacer having portions thereof overlying the said relatively shallow scallops particularly formed in the edges of said load supporting floors whereby the forks of a lift truck when raised upwardly in registry with said scallops will pass through said scallops to contact the under surface of said load spacer, substantially for the purpose described.

2,584,763
COLORED GLASS FIBER PRODUCTS AND METHOD OF PRODUCING THEM
Jack H. Waggoner, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application June 1, 1949, Serial No. 96,611
10 Claims. (Cl. 117—65)



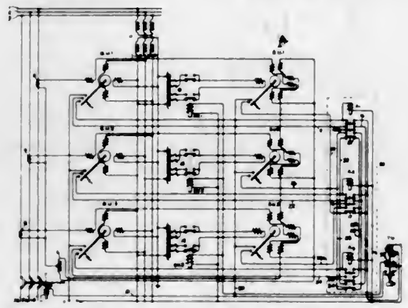
1. The method of coloring glass fibers comprising the steps of treating the glass fibers with a dilute solution of an organo metallic salt capable of producing a colored metallic reaction product when subjected to high temperature while on the glass fiber surfaces, and then heating the treated glass fibers to a temperature above 450° F. but below the fusion temperature of the glass composition of which the fibers are formed for a time sufficient to drive off the organic component and leave the metallic component as a colored colloidal reaction product on the glass fiber surface.

2,584,764
CIRCUIT INTERRUPTER
James M. Wallace, Braddock, Pa., assignor to Westinghouse Electric Corporation, a corporation of Pennsylvania
Original application July 12, 1940, Serial No. 345,051, now Patent No. 2,449,867, dated September 21, 1948. Divided and this application March 15, 1945, Serial No. 582,829
34 Claims. (Cl. 200—89)



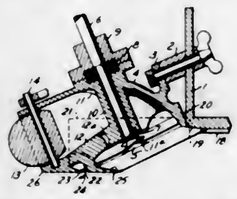
1. An automatic reclosing circuit breaker, comprising, separable contacts which are biased to automatically close the circuit after a circuit opening operation, an operating lever biased to separate said contacts against the force of their closing bias, and separate relatively fast and slowly movable latch means for restraining said operating lever, both of said latch means having electroresponsive parts responding to overloads on the circuit to release said latch means at relatively fast and slow rates, respectively, and said latch means automatically resetting in response to a circuit interrupting operation at said corresponding rates.

2,584,765
DISTANCE RELAY PROTECTIVE SYSTEM
Albert R. van C. Warrington, Wallingford, Pa., assignor to General Electric Company, a corporation of New York
Application June 4, 1949, Serial No. 97,296
5 Claims. (Cl. 175—294)



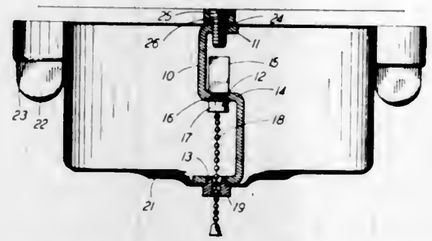
1. A polyphase electric power system protective combination comprising ground fault distance measuring means of the reactance type including both a starting unit and an ohm unit connected with each phase respectively to respond to faults and having a system disconnection control shunt circuit jointly closed thereby for effecting disconnection responsively to predetermined single phase-to-ground faults, and a separate auxiliary relay operated by each starting unit respectively upon response thereof to a fault and having contacts interconnected in the disconnection control shunt circuits for preventing the units connected with a predetermined one of two phases involved in a double phase-to-ground fault from effecting disconnection.

2,584,766
BOAT PROPULSION DEVICE
Douglas K. Warner, Sarasota, Fla.
Application December 22, 1945, Serial No. 636,917
1 Claim. (Cl. 115—42)



In a boat propulsion device including a housing and a screw propeller and a propeller shaft mounted therein wherein said housing is formed in the general configuration of an elbow in the same vertical plane of said housing and having a face sloping forwardly and upwardly, said housing extending rearwardly therefrom and thence bending rearwardly downwardly, the downwardly bent portion formed to provide a lesser cross sectional area than said entrance and terminating in a discharge opening, that improvement which comprises locating said propeller generally in said entrance with said shaft coaxially therewith and upwardly extended, whereby the turning of said shaft accelerates water rearwardly.

2,584,767
HICKEY FOR CANOPY SWITCHES
Joseph A. Wasselle, Queens Village, N. Y.
Application February 8, 1949, Serial No. 75,212
1 Claim. (Cl. 248—342)

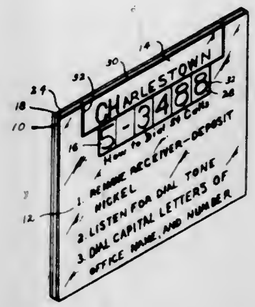


A hickey for supporting an electric switch including a pull chain and a centrally apertured threaded stud through which said pull chain extends and a centrally apertured casing from an externally threaded ceiling fixture, said hickey comprising an integral unitary S-shaped member including substantially circular top, bottom and intermediate horizontal portions of substantially equal outside diameter and elongated vertical portions of equal length extending from diametrically opposed peripheral points of said intermediate portion in opposite directions perpendicular to vertically adjacent peripheral points of said top and bottom portions respectively, said top portion having a threaded central aperture therein engageable with said threaded ceiling fixture, said intermediate portion serving as a support for said switch and having a threaded aperture therethrough in which said threaded stud engages, said stud extending through and beyond said aperture, said stud having a clamping nut threaded thereon for securing said switch to said intermediate portion, said bottom portion having a central threaded aperture therein, said last mentioned aperture being adapted for the reception of a bell nut comprising an enlarged head, a threaded shank, and a central bore extending through said head and shank, said pull chain extending through said bore, said shank extending through the aperture in said casing whereby said head clamps said casing against said bottom portion.

2,584,768
DRILLING FLUID
Walter J. Weiss, Rolling Hills Area, Calif., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 20, 1949, Serial No. 106,501
16 Claims. (Cl. 252—8.5)

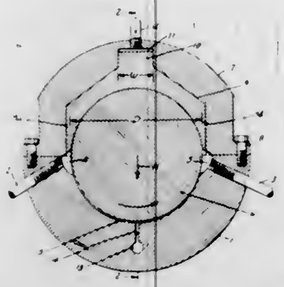
1. An aqueous drilling fluid containing reaction products formed in aqueous solution from an alkali metal polyphosphate and a water soluble compound containing a heavy metal selected from the group consisting of copper, silver, mercury and nickel, in amounts sufficient to control the viscosity of said fluid, said compounds being used in approximately stoichiometric proportions with the polyphosphate in slight excess to form a complex alkali metal heavy metal polyphosphate.

2,584,769
TELEPHONE CARD HOLDER
Edward B. Westlake, Jr., Havertown, Pa.
Application September 13, 1947, Serial No. 773,873
1 Claim. (Cl. 40—10)



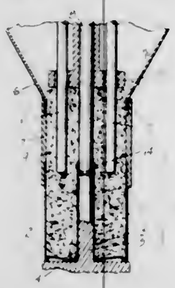
In an information panel for use in displaying the name of a telephone exchange and the telephone number, the combination including a front panel member of transparent material, an intermediate panel member adhesively secured to the front panel member, said intermediate panel member being provided with a pair of cutaway portions one above the other, the lower cutaway portion being substantially rectangular, the upper cutaway portion being also substantially rectangular but longer than the lower cutaway portion so as to provide a pair of shoulders one adjacent each end of the lower cutaway portion, a backing member coextensive with the front panel member adhesively secured to the intermediate panel member so that the front panel member, the margins of the cutaway portions of the intermediate panel member and the backing member cooperate to form a substantially T-shaped pocket, a plurality of rectangular members being located side by side in the lower cutaway portion, the height of the rectangular members being equal to the height of the lower cutaway portion, the rectangular members being so arranged as to form the telephone number, and a rectangular key member filling the upper cutaway portion, said key member bearing the name of the telephone exchange and having a length substantially equal to the length of the upper cutaway portion and seated therein so as to hold the first mentioned rectangular members in position, the width of the key members being substantially equal to the height of the upper cutaway portion, the ends of the key member resting upon the shoulders adjacent the ends of the lower cutaway portion, the thickness of all of the rectangular members being substantially equal to the thickness of the intermediate panel member, the rear surface of the transparent panel member being provided with opaque areas overlying the margins of both of the cutaway portions and the adjacent margins of the rectangular members so as to conceal the seam between the rectangular members and the intermediate panel member so as to display the name of the telephone exchange and the telephone number within the frame formed by the opaque areas.

2,584,770
JOURNAL BEARING WITH SELF-ENERGIZED HYDRAULICALLY LOADED SEGMENT
Donald F. Wilcock, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application November 10, 1950, Serial No. 194,956
6 Claims. (Cl. 308—9)



1. In an anti-whipping arrangement for an oil-lubricated journal bearing of the type having a movable bearing segment slidably disposed for movement against the low pressure side of the journal, the combination of hydraulic motor means for biasing the movable segment to apply a force to the low pressure side of the journal and thereby displace the journal slightly towards the high pressure side of the bearing, the bearing having at least one bleed port for withdrawing oil under pressure from the clearance space defined between the journal and bearing surfaces at the high pressure side of the bearing, and conduit means for supplying fluid under pressure from said bleed port to said hydraulic motor, whereby the loading on the journal is artificially increased by hydraulic pressure generated within the bearing itself.

2,584,771
METHOD OF MAKING FILTER CARTRIDGES
James W. Wilkinson, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.
Application July 26, 1946, Serial No. 686,547
5 Claims. (Cl. 226—19)



4. The method of filling a filter cartridge comprising the steps of placing an extension on said cartridge, then filling said cartridge and said extension with loose cotton linters and tamping said linters with a small tamp that penetrates into said cartridge, passing an end wall through said extension into said cartridge and bending a portion of said cartridge to hold said end wall in place, and then removing said extension and seaming said cartridge to said end wall to form a closed end.

2,584,772
ALUMINUM BASE ALLOYS
Charles B. Willmore, North Aurora, Ill., assignor to William F. Jobbins, Incorporated, Aurora, Ill., a corporation of Illinois
No Drawing. Application May 10, 1949, Serial No. 92,500
4 Claims. (Cl. 75—141)

1. An aluminum base casting alloy consisting essentially of 2–4 percent copper, 2–8 percent zinc, 2–8 percent silicon, 0.2–1.0 percent magnesium, 0.05–0.3 percent zirconium, a metal selected from the group consisting of 0.10–0.5 percent chromium and 0.15–0.8 percent manganese and mixtures thereof, the balance being aluminum.

2,584,773
EMULSION POLYMERIZATION OF VINYLIDENE COMPOUNDS IN THE PRESENCE OF HYDROPEROXIDES OF ALKYLTETRAHYDRONAPHTHALENES
William B. Reynolds, John E. Wicklatz, and Thomas J. Kennedy, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application December 12, 1949, Serial No. 132,626
7 Claims. (Cl. 260—84.1)

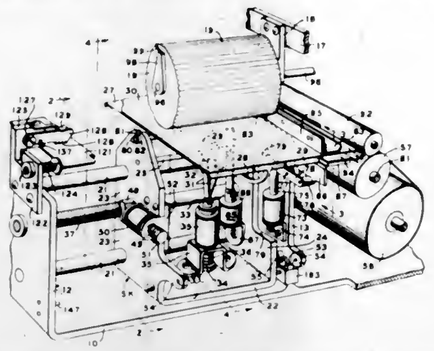
1. An improved process for the production of synthetic rubber, which comprises establishing and maintaining at a polymerization temperature between 10 and −40° C. an emulsion of an aqueous phase having a pH between 9 and 12, a liquid monomeric material comprising a major amount of 1,3-butadiene and a minor amount of styrene, an alkali metal soap emulsifying agent, an alkyl mercaptan having between eight and sixteen carbon atoms per molecule, and a polymerization catalyst composition comprising 0.1 to 10 millimols of 1-methyl-1,2,3,4-tetrahydronaphthalene-1-hydroperoxide together with 0.1 to 3 millimols of an alkali metal ferrous pyrophosphate complex and a reducing sugar, said parts being parts by weight per 100 parts of said monomeric material.

2,584,774
SILVER SOLDER ALLOY
Russell J. Smith, Houghton, and Raymond J. Marcotte, Lake Linden, Mich., assignors to Square D Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application January 27, 1949, Serial No. 73,216
2 Claims. (Cl. 75—134)

1. An alloy consisting essentially of silver 40% to 45%, copper 20% to 24%, tin 13% to 18%, cadmium 13% to 17% and zinc 5% to 8%.

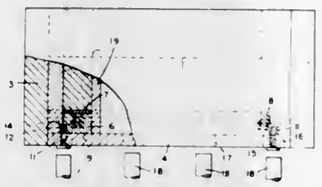
2,584,775
FACSIMILE TRANSMITTER AND RECORDER WITH AUTOMATIC SHEET MOUNTING
Raleigh J. Wise, Dunellen, and Garvice H. Ridings, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application December 10, 1946, Serial No. 715,248
44 Claims. (Cl. 346—74)

1. In a facsimile machine, a stationary cylinder, a flexible member normally in flat condition for receiving a sheet, means for operating said member to wrap the sheet around said cylinder and support it in cylindrical form for scanning, means for sliding the supported sheet axially along the cylinder during a scanning operation so that the cylindrical sheet is drawn off one end of the cylinder, and electrical scanning



mechanism including a rotary stylus arranged to scan the cylindrical surface of the sheet as it moves off said end of the cylinder.

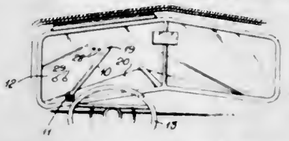
2,584,776
MOLD FOR PRESSURE FORMING OF COMPOSITIONS
Edward A. Woznuk and Robert J. Brett, Cleveland, Ohio
Application April 22, 1947, Serial No. 743,132
10 Claims. (Cl. 25—120)



1. A mold having an open top cavity, a master pallet in the mold cavity and movable toward and away from the open top and arranged to be engaged on the underside by upwardly operating ejecting means for moving the pallet toward said open top, a removable pallet plate having its under face fitting to the contour of the upper face of the master pallet and having its upper face conforming to the surface contour of the bottom of the article to be molded, resilient lost motion separating means extending through the master pallet and operatively engaging the underside of the plate for lifting the plate from the master pallet when the resilient lost motion connection means is compressed and the resistance to lifting action is less than the restoring force of the resilient means, and means adapted to be engaged and operated by the ejecting means when the ejecting means is operated for ejecting the master pallet, to compress said resilient lost motion separating means.

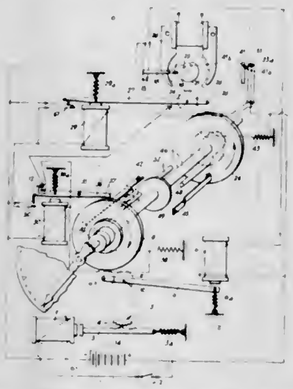
2,584,777
CLEARANCE INDICATING ARM
George S. Adolfson, Jersey City, N. J.
Application April 18, 1949, Serial No. 88,087
3 Claims. (Cl. 33—46)

1. A transparent arm adapted to swing over the windshield of an automobile so as to coincide with a highway lane boundary line, as seen from the driver's seat, said arm having an end to bear against the windshield, and a pivot on which said arm may swing, said arm having one surface slightly roughened, and a shielded light mounted on said arm adapted to deliver light



within the arm and illuminate its slightly roughened surface.

2,584,778
INDICATING DEVICE FOR PERIODICAL MEASURINGS
Rudolf Aeberhard, Bern, Switzerland
Application May 23, 1949, Serial No. 94,917
In Switzerland May 31, 1948
6 Claims. (Cl. 235—104)



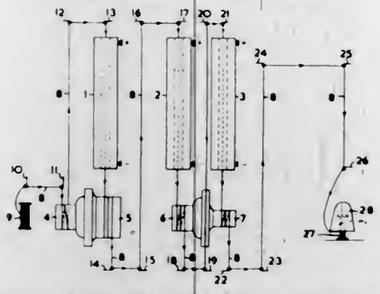
1. A speed indicating device in which an indicator shaft is driven by means of a driver disk secured to the shaft and cooperating with an impulse-storing wheel and a driving-back wheel, both being arranged on the shaft for rotation with respect to the same, comprising in combination: an electric motor having a rotor; first coupling means arranged between said rotor and the driving-back wheel for driving the same in one direction, said first coupling means having an operative position and an inoperative position; a first relay bringing said first coupling means into inoperative position; an impulse relay; second coupling means arranged between said impulse relay and the impulse-storing wheel for driving the same in the direction opposite to that in which said first coupling means drives said driving-back wheel, said second coupling means having an operative position and an inoperative position; a second relay for bringing said second coupling means into inoperative position; and first and second contact means responsive to the angular position of said rotor and connected in series with said first relay and said second relay, respectively, said first contact means and said second contact means being controlled by said rotor so as to operate at different angular positions thereof, whereby said first relay and said second relay are alternately energized in response to the angular position of said rotor and the impulse-storing wheel is coupled to said impulse relay during a first angular portion of the rotation of said rotor and the driving-back wheel is coupled to said rotor during a second angular portion of the rotation of said rotor different from the first angular portion of the rotation of said rotor.

2,584,779

PRODUCTION OF THREADS OF THERMOPLASTIC CELLULOSE DERIVATIVES

Harry M. Averns, Allesley, Coventry, and Joel Straw, Longford, Coventry, England, assignors to Courtaulds Limited, London, England, a British company

Application October 15, 1948, Serial No. 54,624
In Great Britain November 12, 1947
3 Claims. (Cl. 18—54)



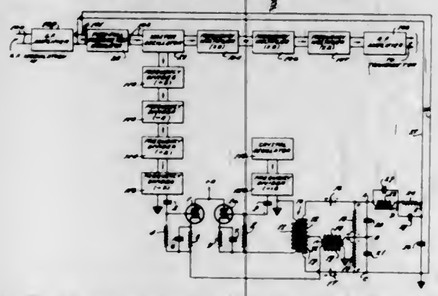
1. A process for the production of high tenacity threads of cellulose acetate suitable for weaving consisting in heating dry preformed threads of cellulose acetate to a temperature in the range of 210° to 360° centigrade to render them plastic and simultaneously stretching them at least 50 per cent while they are in the dry heated plastic state, whereby the tenacity of the thread is increased to at least two grams per denier and its extensibility correspondingly reduced, and subsequently reheating the dry threads to a temperature within the range of 210° to 360° centigrade to render them plastic and simultaneously permitting the threads to shrink from about 10 per cent to about 20 per cent while they are in the dry heated plastic state, whereby the extensibility of the thread is increased to at least 14 per cent, the plasticity of the thread during both the stretching and the shrinking steps being effected solely by the action of the heat.

2,584,780

FREQUENCY CONTROL CIRCUIT

Joseph G. Beard, Haddonfield, and Nils J. Oman, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application October 28, 1948, Serial No. 56,974
16 Claims. (Cl. 332—19)



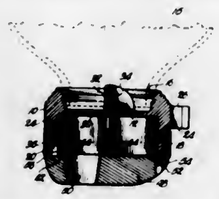
1. In a frequency modulation system, a frequency-modulated oscillator the rest frequency of which is to be stabilized, means for modulating the frequency of said oscillator, a stable reference oscillator, connections including isolating means for applying the outputs of said oscillators to a common mixing circuit, said isolating means serving to prevent direct cross-feed or locking action between said two oscillators, said mixing circuit producing from said applied outputs an oscillatory resultant voltage having a frequency equal to the difference between the frequencies of said applied outputs, and means for applying said resultant voltage to said first-named means to vary in accordance therewith the rest frequency of said first-named oscillator.

2,584,781

BRACKET AND HOLDER FOR INVERTED CONTAINER OF BULK MATERIAL WITH MEANS FOR DISPENSING MEASURED QUANTITIES OF SAID MATERIAL

Brook Beatty, Kansas City, Mo.

Application February 11, 1946, Serial No. 646,773
1 Claim. (Cl. 222—362)



A measuring and feeding bracket for packaged bulk materials comprising a cylindrical body provided with a transverse, horizontal partition intermediate the ends thereof, said partition being provided with an inlet port; means in the body for supporting a package of bulk material above the partition where the contents thereof will freely flow through said inlet port; an annular skirt forming a part of said body at the lowermost end thereof and having an outside diameter less than the outside diameter of the remainder of said body presenting a continuous down-turned shoulder on the body; a closure member for the lowermost end of the skirt having a discharge port therein offset with respect to said inlet port, the outside diameter of said closure member being greater than said outside diameter of the skirt, presenting a continuous upwardly facing shoulder opposite the first mentioned shoulder; a rotor carried by the closure member within the body below said partition for oscillation therein, said rotor having a pair of openings arranged whereby one opening is in register with the inlet port as the other opening registers with the discharge port; an annular collar circumscribing the skirt and spanning the distance between the shoulders, the said skirt having a semi-circular notch formed in the lowermost edge thereof, defining a slot above the last mentioned shoulder in register with the body between the partition and said closure member; and a pin extending through said slot and joining the rotor and said annular collar whereby upon oscillation of the annular collar, said rotor is oscillated to alternately bring each of said openings of the rotor into register with the inlet port and the outlet port respectively, said collar and said rotor being on opposite sides of the skirt in closing relationship to said slot.

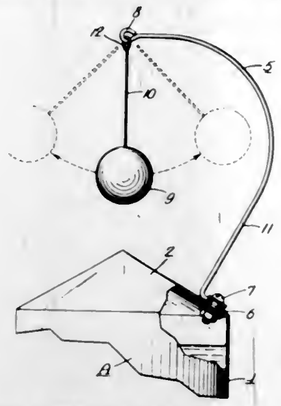
2,584,782

GUARD OR PROTECTOR FOR POULTRY SERVICE UTENSILS

August H. Beckman, Sciota, Pa.

Application September 4, 1946, Serial No. 694,788
3 Claims. (Cl. 119—77)

1. An anti-roosting device for use on chick fountains or the like comprising a resilient arcuate wire member secured at one end thereof, the other end thereof hanging in vertical spaced relation above the central portion of the top of said fountain, an impact element pendant from said arcuate wire member and adapted to oscillate within a 360 degrees circumference above said fountain to prevent roosting on said fountain.

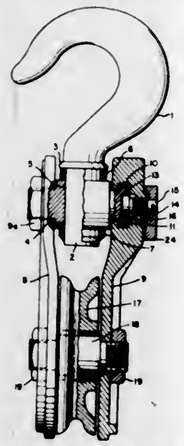


2,584,783

SNATCH BLOCK

O. Magnus Berg, Houston, Tex.

Application March 4, 1948, Serial No. 12,990
1 Claim. (Cl. 254—193)



A snatch block comprising, a supporting hook having a shank spaced from the free end of said hook, a supporting spindle having a vertical bearing through which said shank rotates on a vertical axis, a pair of side plates suspended from the ends of said spindle, one end of said spindle having an external annular groove therearound to form an external annular flange, the corresponding side plate having an inside, dovetailed, groove formed therein, the inner end of same being semi-circular in shape and the outer end thereof extending to the margin of said plate, said groove being so formed so that the flange may dovetail into it, said spindle having an end recess concentric with the spindle axis and the facing side of said side plate being provided with a similar recess which registers with the recess in the spindle when said side plate is in active position, a retainer on the plate movable into the recess in the end of the spindle to retain said flange in said dovetailed groove in the corresponding side plate, said retainer being movable into inactive position to allow lateral movement of the plate and spindle to permit displacement of the spindle end from the groove, a grip member on the outer end of the retainer whereby it may be turned, said grip member having an extension forming a weight, and a sheave mounted to rotate between said plates.

2,584,784

SALTS OF 1-SALICYLALAMINOGUANIDINE

Charles B. Biswell, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 21, 1949, Serial No. 94,755
8 Claims. (Cl. 260—404.5)

8. An equimolecular salt of 1-salicylalaminoguanidine and a member of the group consisting of aliphatic and alicyclic carboxylic acids containing 6 to 40 carbon atoms and consisting of carbon and hydrogen atoms and 1 to 2 carboxyl groups, said salt melting below 100° C.

2,584,785

PROCESS AND APPARATUS FOR SEPARATION OF MIXTURES

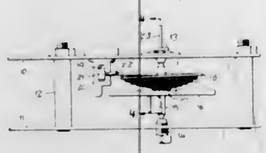
John R. Bowman, Pittsburgh, and Mario T. Cichelli, Forest Hills, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application June 14, 1948, Serial No. 32,916
21 Claims. (Cl. 183—2)



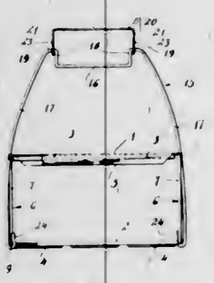
10. The process of partially separating components of a gas mixture which comprises establishing a substantially unobstructed flow of vapor through a separating zone, distributing the gas mixture in the separating zone, removing part of said vapor by causing it to undergo a change of phase in a region of removal within the separating zone, thereby establishing a concentration gradient in the separating zone, causing a part of the gas to flow without substantial turbulence in an extended path near said region of removal toward one extremity of the separating zone, causing another part of the gas to flow countercurrent to the first mentioned part without substantial turbulence in an extended path more distant from the region of removal and toward the opposite extremity of the separating zone and withdrawing from said extremities streams of different compositions.

2,584,786
METHOD FOR PROVIDING TIMEPIECES WITH SPIRAL-HELIX HAIRSPRINGS
Louis R. Burghoff, Forestville, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut
Application May 4, 1948, Serial No. 25,055
1 Claim. (Cl. 29—177)



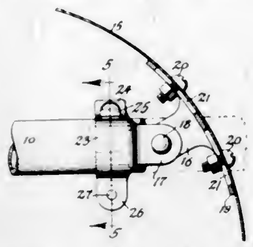
The method of providing an escapement timepiece with a spiral-helix hairspring, comprising the steps of securing the inner and outer ends of a flat spiral hairspring to anchor members on a balance-staff and on the frame, respectively, of the timepiece without substantially axially distorting the spring; and subsequently deliberately shifting at least one of said anchor members away from the other anchor member axially of said staff, into its permanent disposition, through such a distance that said spring is axially resiliently expanded into helical disposition to such an extent that said spring will exert a substantially uni-directional thrust only on said balance-staff when the timepiece is running.

2,584,787
COLLAPSIBLE SHEET METAL BOTTLE CARRIER
Eli N. Castle, South Orange, N. J.
Application January 10, 1950, Serial No. 137,812
5 Claims. (Cl. 224—48)



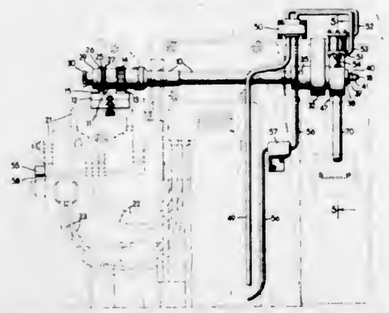
1. A carrier comprising a top formed with bottle-receiving openings, a bottom formed with bottle-receiving sockets companion to the openings of the top, end members extending between the top and the bottom and having upper and lower portions pivoted to ends of the top and the bottom for vertical tilting movement whereby the top may be swung from a lowered position adjacent the bottom to a raised position in vertical spaced relation to the bottom, there being recesses at ends of the top, and a handle disposed longitudinally of the carrier in straddling relation thereto and having arms detachably connected with the bottom and removably engaged in the recesses of ends of the top to prevent movement of the top and the end members to a lowered position and also prevent movement of the handle transversely of the carrier.

2,584,788
CHAIN GUARD
Albert J. Cich, Buffalo, N. Y., assignor to Elrae Pressed Metals, Inc., Buffalo, N. Y., a corporation of New York
Application February 20, 1948, Serial No. 9,690
1 Claim. (Cl. 74—611)



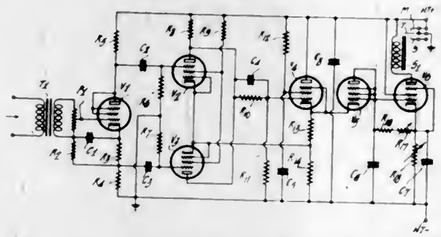
A chain guard for the drive chain of a cycle having a frame bar adjacent said chain, comprising a sheet metal guard having a curved part adopted to cover a part of said chain, a pair of semicircular sheet metal jaws engageable with opposite sides of said frame bar, means securing said jaws together and in clamping relation with said frame bar, an integral L-shaped ear extending from the curved edge of one of said jaws and projecting radially outwardly from and thence axially parallel with said frame bar, a second sheet metal ear arranged in face-to-face relation with said first ear, a rivet pivotally connecting said ears and arranged crosswise of said frame bar, a curved sheet metal attaching flange integral with and projecting from one edge of said second ear and fitting against the inner face of said curved part of said guard, said attaching flange being elongated in the direction of its curvature and provided at its opposite ends with slots elongated lengthwise of its curvature, and bolts extending through said slots and said curved part of said guard.

2,584,789
AUTOMATIC CLAMPING DEVICE
Lloyd K. Clark, Owego, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 7, 1950, Serial No. 148,094
5 Claims. (Cl. 101—4)



1. In a machine tool, a rotatable member, a draw bar adapted for axial movement within said member, a pair of juxtaposed face plates on said member, one of said face plates being attached thereto and the other free for axial movement thereon, limit means secured on said draw bar to maintain said face plates juxtaposed, a second limit means secured on said draw bar and spaced apart from said first means, a pair of complementary cams interposed between said limit means, one of said cams being attached to said member, said cams adapted upon rotation to cam said second limit means to cause said draw bar and said first limit means to apply a force against said face plates and member and upon a reversal of rotation to release said force, and control means adapted to lock one of said cams against rotation.

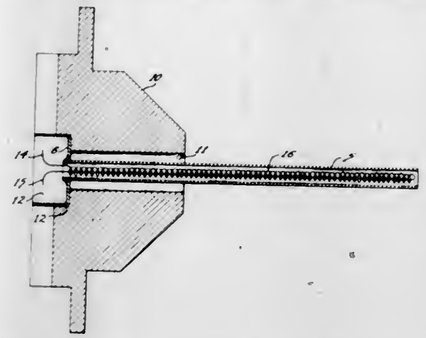
2,584,790
SWITCHING CIRCUIT
Charles Peter Cooper, Chelmsford, and Guy Edward Williamson-Noble, London, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 8, 1947, Serial No. 740,222
In Great Britain December 18, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 18, 1965
4 Claims. (Cl. 250—27)



1. A voice operated switching system comprising a source of message signals providing a waveform having positive and negative half waves, a phase splitting circuit coupled to said source and comprising an electron discharge device having an anode, a cathode and a grid, a transformer coupling said source to said grid and cathode, a limiter comprising first, second and third electron tubes each including a grid, a cathode and an anode, a connection between the anode of said device and the grid of said first tube, a connection from the cathode of said device to the grid of said second tube, direct connections between the cathodes of said first and second tubes, direct current connections including resistors respectively extending from the cathodes of said device and said third tube to the cathodes of said first and second tubes, a resistor shunted by a condenser connected between the anodes of said first and second tubes and the grid of said third tube, whereby said limiter produces a pulse in response to each half wave of the waveform applied by said source to said device about a predetermined minimum irrespective of the polarity of the half waves, a fourth vacuum tube coupled to the output of said third tube and controlled by the pulses produced by said limiter, and a load device controlled by the output current of said fourth tube.

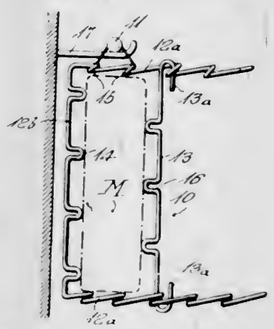
2,584,791
CATHODE FOR MAGNETRONS
Carmen L. Cuccia, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 12, 1947, Serial No. 768,245
6 Claims. (Cl. 313—337)

1. A cathode unit for discharge devices comprising a body having a channel therein and an enlarged recess at one end of said channel, an elongated cathode element of smaller size than said channel having a mounting portion disposed in said channel and a peripheral electron-emitting portion extending beyond said body, and means for accurately locating and rigidly mounting said cathode element in spaced relation in said channel comprising a collar rigidly mounted



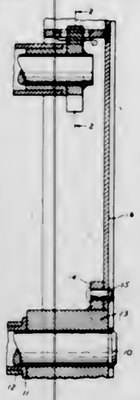
on said element with a plane surface thereof perpendicular to the longitudinal axis of said element, said collar being mounted in said enlarged recess with said plane surface abutting the base thereof and a peripheral portion closely fitting the outer wall thereof and being rigidly secured to said body.

2,584,792
MATTRESS CARRIER AND SUPPORT
Levi Deen, Alma, Ga.
Application May 25, 1950, Serial No. 164,272
4 Claims. (Cl. 211—28)



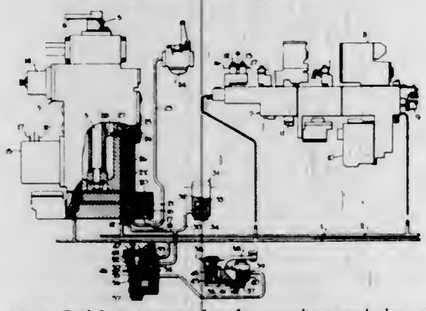
1. A mattress airing supporting assembly adapted to embrace a mattress in the direction of the width, said assembly comprising a pair of wire U-shaped sections with the legs of the sections formed with a succession of spaced circular loops, the connections between the legs having a succession of spaced apart projections, a pair of removable top connecting members having spaced apart projections intermediate their end zones and having a length to overlie the opposite faces of the mattress, hooks formed on the end zones of said top connecting members to engage with the loops of the U-shaped sections, the projections of said U-shaped sections and said top connecting members projecting inwardly of the embracing assembly formed by said sections and members to limit contact of the mattress to the areas provided by said projections, and a handle element removably secured to and connecting the U-shaped sections.

2,584,793
GEAR MEMBER
Samuel P. De Mato, Rochester, N. Y., assignor to James Cunningham, Son & Company, Rochester, N. Y., a partnership composed of Augustine J. Cunningham and Francis E. Cunningham
Application November 13, 1946, Serial No. 709,515
8 Claims. (Cl. 74—460)



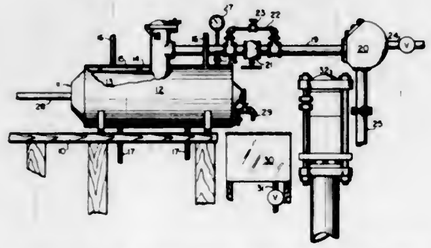
1. A sheet steel gear member comprising an elongated strip having portions thereof removed to form a longitudinally alined series of openings extending therethrough and spaced apart from center to center by a distance equal to the tooth pitch of said member, to provide the tooth intervals, the teeth of said member being formed by the retained portions of said strip intermediate said openings and being each formed toward the same side of said strip with a curved profile shape adjacent the pitch line corresponding approximately to the profile of an involute tooth and said teeth having their opposite ends spaced inwardly from the opposite edges of said strip.

2,584,794
FLUID PRESSURE BRAKE APPARATUS
Erik G. Erson, Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application February 25, 1950, Serial No. 146,365
5 Claims. (Cl. 303—18)



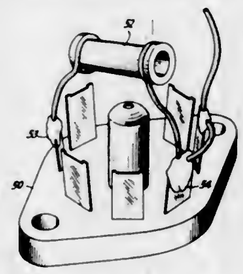
1. In a fluid pressure brake equipment, in combination, a straight air pipe, a brake pipe, an operator's brake valve device for supplying fluid under pressure to said straight air pipe, a brake application valve device operable by fluid under pressure to close a vent from said brake pipe and upon release of such fluid under pressure to open such vent, a pipe connected to said brake application valve device for releasing fluid under pressure therefrom, automatic train control means connected to said pipe normally closing a vent therefrom and automatically operative to open such vent for releasing fluid under pressure from said pipe and brake application valve device, a manually depressible motor control handle device operable upon depression to close a vent from said pipe and upon relief of manual pressure to open such vent, and a suppression valve device controlling communication between said pipe and handle device and operable by fluid in excess of a chosen pressure in said straight air pipe to close said communication and operable to open said communication at all lesser pressures in said straight air pipe.

2,584,795
DRY RENDERING OF SEWER GREASE
Norris E. Fazenbaker, West New York, N. J.
Application October 20, 1948, Serial No. 55,490
6 Claims. (Cl. 260—412)



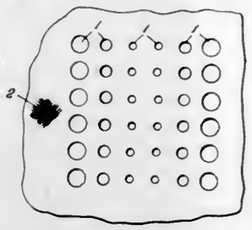
1. Method of recovering the fat and non-fat solids of sewer grease which comprises admixing sewer grease with cracklings, subjecting said mixture to dry rendering thereby to effectuate the agglomeration of the aforesaid non-fat solids of the sewer grease by the said cracklings and to release the fat content of the sewer grease, followed by the step of separating the fats from the residue of solids.

2,584,796
STABILIZED OSCILLATOR
Harold G. Fisher, San Diego, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application June 4, 1947, Serial No. 752,432
11 Claims. (Cl. 250—36)



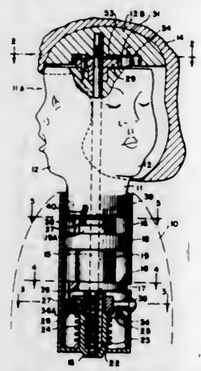
5. In a stabilized oscillator including a resonant circuit adapted to be coupled to a discharge tube and wherein the operating frequency tends to drift as said tube warms up, a condenser having a negative capacity-temperature characteristic coupled to said circuit and in close proximity to said tube whereby it is affected by the temperature of said tube, said condenser being separate and apart from the constituent elements of said tube.

2,584,797
WALL WITH SOUND ABSORBING MATERIAL POSITIONED BEHIND AN ARRAY OF SOUND REFLECTORS
Ernest Thomas Fisk, London, and Alexander Wood, Cambridge, England, assignors to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application December 20, 1946, Serial No. 717,376
In Great Britain November 24, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 24, 1965
2 Claims. (Cl. 181—30)



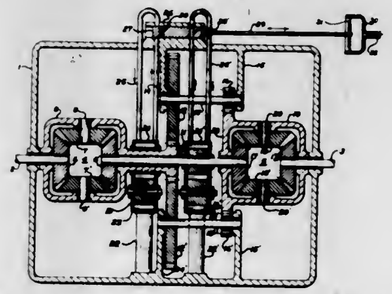
1. A room having walls adjacent which an array of sound wave reflectors is provided, said array comprising a plurality of reflecting surface elements of varying sizes oriented and arranged in a plurality of rows adjacent the walls of said room, the adjacent rows being spaced from each other and in non-contiguous relation, each row containing reflecting elements of only a single size, the dimensions of said reflecting elements being large compared to the wavelength of the particular sound waves which are desired to be reflected, the reflecting elements all being spaced from the adjacent wall of the room, and sound absorbing material positioned behind said reflecting elements, between such elements and the adjacent wall of the room.

2,584,798
MULTIPLE FACED DOLL
Hans Goerditz, New City, N. Y.
Application November 9, 1950, Serial No. 194,810
2 Claims. (Cl. 46—153)



1. In a multiple faced doll, a doll body, a casing located in said body, a rod firmly connected to said casing and extending upward therefrom, a pate portion firmly connected to said rod, a head portion comprising a plurality of faces revolubly mounted on said rod intermediate said casing and said pate portion, a click block revolubly mounted on said rod below said head, said head and click block being formed with interengaging ratchet means, a lever mounted in said casing for rotation about the axis of said rod, detent means mounted on said lever and operatively engaging said click block, a coil spring located around said rod and connected to said click block and said casing, and cam means mounted on said casing and operating upon said detent means to disconnect said lever from said click block at the end of the stroke of said lever, whereby said lever is first operative simultaneously to move said click block to a new position to interengagement with said head and to load said spring, then to release said click block to the influence of said spring to effect substantially instantaneous traverse of said head to expose a new face.

2,584,799
VARIABLE RATIO POWER TRANSMISSION
Carl J. Green, Oak Ridge, Tenn.
Application February 15, 1949, Serial No. 76,459
6 Claims. (Cl. 74—756)

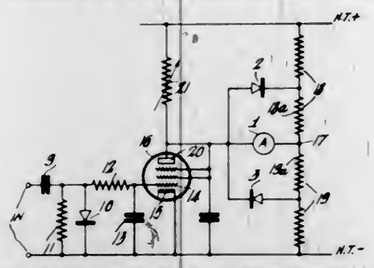


1. A variable ratio power transmission comprising an input shaft, an output shaft, two bevel type differential gearing assemblies disposed in axially spaced relation, each of said assemblies consisting of a rotatable housing containing one pair of spaced bevel gears coaxial with respect to said input and output shafts and another pair of spaced bevel gears engaging said first pair and journalled in the associated rotatable housing for rotation about a transverse axis, a rigid connection between said input shaft and the first coaxial gear of said first assembly, an intermediate shaft connecting the second coaxial gear of said first assembly and the first coaxial gear of said second assembly, a rigid connection between the second coaxial gear of said second assembly and said output shaft, and a speed reduction gear train for driving the rotatable housing of said second assembly in the same direction as the rotatable housing of said first assembly, said gear train having its input element connected to be actuated by the rotatable housing of said first assembly and its output element connected to actuate the rotatable housing of said second assembly, and means for applying a variable braking force to the second coaxial gear of said first assembly.

2,584,800
OVERLOAD PROTECTION DEVICE FOR ELECTRICAL INSTRUMENTS
George Lambert Grisdale, Great Baddow, Chelmsford, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 9, 1947, Serial No. 759,856
In Great Britain July 10, 1946
3 Claims. (Cl. 171—95)

1. An overload protection circuit for an electrical measuring instrument, comprising a bridge circuit having four arms, one arm of said bridge

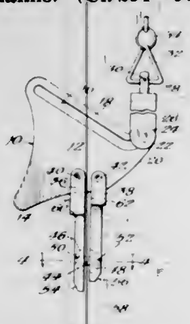
being constituted by the internal impedance of an electron flow device, a measuring instrument to be protected connected across one diagonal of said bridge circuit, a source of potential for said device connected across the other diagonal of said bridge, a plurality of series resistors in each of the second and third arms of said bridge circuit, a variable resistance in the fourth arm of said circuit, and two branch circuits connected in shunt with said instrument, one of said branch circuits including in series a rectifier and one of the resistors in said second arm and the other branch circuit including in series another rectifier and one of the resistors in said third arm, said two rectifiers being oppositely poled.



2,584,801
PIPE EXTRACTOR

Stanley L. Handforth, Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application September 19, 1949, Serial No. 116,555
9 Claims. (Cl. 294—97)



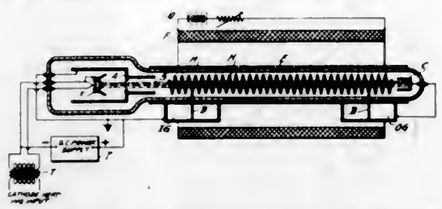
1. A pipe extractor comprising, in combination,an actuating member, means mounting the actuating member for rotation between two positions, and a clamp assembly comprising clamp elements pivotally attached to the actuating member and extending in one direction therefrom, said assembly being adapted to grasp the end of a pipe by the rotation of the actuating member between the two positions.

2,584,802
VERY HIGH-FREQUENCY ELECTRON TUBE

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 18, 1947, Serial No. 722,833
10 Claims. (Cl. 315—39)

1. An electron tube comprising means for producing a stream of charged particles, a helical conductor located adjacent the path of said stream and adapted to be in energy coupling relation to the stream, and coupling means adapted to carry radio frequency currents coupled to a point on said helical conductor removed from one



end by a distance measured around the helix which is at least of the order of one-quarter wavelength at the operating frequency.

2,584,803
MONO-FUEL

John A. Hannum, Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

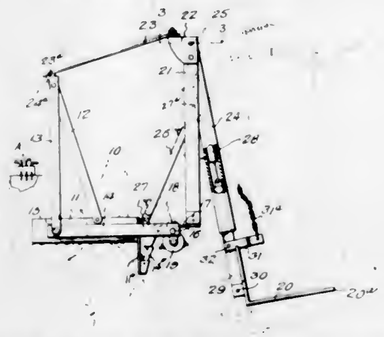
No Drawing. Application August 7, 1946, Serial No. 688,979
5 Claims. (Cl. 52—13)

5. A self-sufficient fuel which, although non-hypergolic, has a tendency to burn in a closed system comprising a liquid nitroparaffin having not more than one nitro group for each carbon atom in the paraffin skeleton, said nitroparaffin being selected from the group consisting of nitromethane, nitroethane, 1-nitropropane, 2-nitropropane, 1,1-dinitropropane, 2,2-dinitropropane, 1,2-dinitropropane, 1,3-dinitropropane, 1,1-dinitroethane, 1,1,1-trinitropropane and 1,2,3-trinitropropane; an oxidant; and, dissolved in the fuel in an amount greater than a trace but not greater than 10% by weight of the fuel, a polychlorofluoromethane as a flash-back suppressor.

2,584,804
ROTARY SWINGING HIGH LIFT LOADER

Daniel S. Hoover, Mansfield, Ohio

Application June 25, 1946, Serial No. 679,150
1 Claim. (Cl. 214—132)

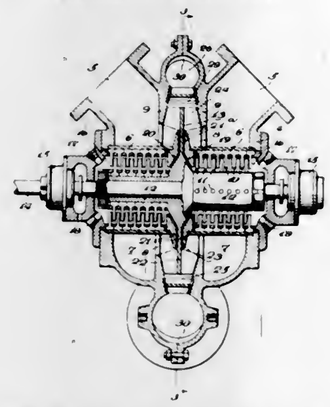


A loader of the class described comprising a wide support, a rotatable plate, a vertical shaft pivotally mounting said plate upon said support, a vertical frame supported upon said plate to one side of said shaft, means for rotating said plate, a tool carried by the vertical frame, means for actuating said tool, vertical braces carried by the support and spaced rearwardly and laterally of the vertical frame, top braces supported at their rear ends upon said vertical braces, said top braces converging toward their forward ends, the vertical frame being pivoted at its upper end to the converging ends of the top braces in vertical alignment with said vertical shaft to facilitate the rotation of said vertical frame, the top braces also constituting a rearward and lateral bracing means for the vertical frame, a pivoted member carried by the upper ends of said vertical braces and supporting the rear ends of said top braces, and a yoke supporting said vertical braces and vertical frame and connecting said vertical braces and vertical frame to said support.

2,584,805
METHOD AND APPARATUS FOR PRODUCING AN EMULSION, INCLUDING WATER, FUEL OIL, AND FINELY DIVIDED SOLIDS FOR COMBUSTION

Robert F. Leftwich, Greenwich, Conn.

Application July 18, 1945, Serial No. 605,813
4 Claims. (Cl. 60—39.05)



1. A method comprising producing an emulsion including water, fuel oil and finely divided solids and in which the fuel oil is present in sufficient amount to furnish heat for the processing of the solids when the fuel oil is burned, passing such emulsion in a thin annular film radially outward from a center, then cutting the film into a number of streams while projecting the streams centrifugally away from said center, intimately mixing a combustion supporting gas with said streams immediately they are formed, afterwards organizing the streams into a common stream and causing said common stream to travel scroll fashion, and subsequently subjecting the common stream to combustion at a point remote from that where it travelled scroll fashion.

2,584,806
MIMEOGRAPH STENCIL SIGNATURE SHIELD

Thomas F. McCarthy, Washington, D. C.

Application April 23, 1947, Serial No. 743,477
1 Claim. (Cl. 101—128.4)

A stencil signature shield adapted to overlie a stencil sheet and to be selectively positioned thereon, comprising a substantially flat, portable base plate of transparent, rigid material having a smooth bottom surface to facilitate sliding engagement with the upper face of said stencil sheet, a signature opening in said base plate, a guide slot on either side of said opening arranged in parallel relation to the latter, and a rolled strip of flexible transparent protective material rotatably supported on said base plate and adapted to be threaded through said guide slots with a portion underlying said opening in contact with a stencil sheet to be signed and in substantially the same plane as the bottom surface of said plate, said underlying portion being slidable over said stencil with said plate, whereby said shield may be selectively positioned with relation to the matter on said stencil sheet with said opening and the adjacent portion of said protective strip over the desired signature location.



2,584,807
TELEPHONE ATTACHMENT

Mathias J. Miller, Evansville, Ind.

Application March 15, 1949, Serial No. 81,441
6 Claims. (Cl. 179—157)



1. A device of the character described comprising a base adapted to fit against the back of a telephone handset, a latch for holding said base upon the handset, an arm pivotally connected with said base, inner and outer detents carried by said arm and adapted to rest forwardly and rearwardly upon a user's shoulder in planes angularly disposed with relation to a vertical longitudinal plane of the user's head when the arm is in extended position.

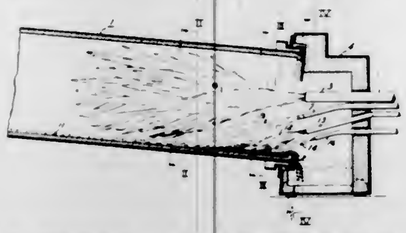
2,584,808
METHOD OF AND APPARATUS FOR NODULIZATION OF IRON ORE

Ray C. Newhouse, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application March 26, 1947, Serial No. 737,258
5 Claims. (Cl. 75—5)

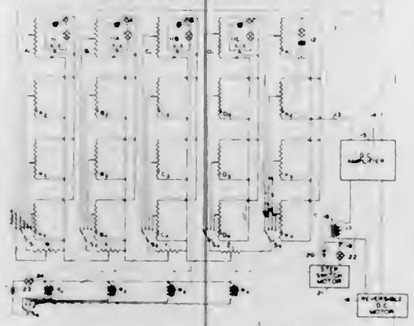
4. A process for nodulizing iron bearing materials to produce hard, dense, high oxygen bear-

ing nodules, comprising establishing a moving bed of such materials passing through a preheating zone, agitating said materials in said bed and supplying additional raw material at one end of said zone while removing material at a substantially equal rate beyond the other end of said zone into a nodulizing zone, passing a preheating flame in counter-current to said moving bed of materials through said preheating zone, supplying secondary air cocurrent to said flame in a curtain-like stream directed to blanket said bed and control the character of that portion of the gases most immediately in the vicinity of the



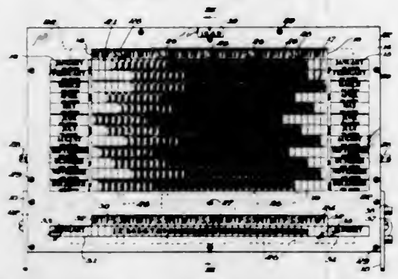
bed of materials to inhibit excessive reduction of said materials during preheating, directing a high temperature nodulizing flame having reducing characteristics to impinge upon the heated materials of said bed in said nodulizing zone to cause a partial reduction of the higher oxides and creation of substantial quantities of eutectic mixture of higher and lower oxides ($3FeO.1Fe_2O_3$) nodulizable at a minimum nodulizing temperature and nodulize said mixture, and directing a stream of oxidizing gas to impinge upon the said nodulized mixture as it emerges from said nodulizing flame to increase the combined oxygen content of said nodules.

2,584,809
COMPUTER FOR SOLVING SIMULTANEOUS EQUATIONS
Lyman M. Oberlin, Dewey, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 1, 1949, Serial No. 107,927
8 Claims. (Cl. 235—61)



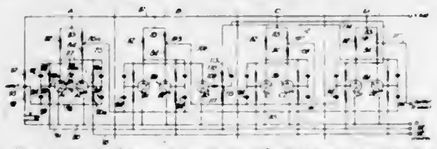
1. In a computer having a plurality of impedance networks including means for producing voltage drops across said networks, a plurality of reference voltages, and a plurality of balancing impedances selectively connected in circuit with said impedance networks; improved means for equalizing the combined voltage drops across said networks and said balancing impedances with said reference voltages comprising, in combination, a reversible motor, means for feeding an error voltage which is the difference between said combined voltage drop and said reference voltage from one network to said reversible motor, a clutch device for selectively connecting said motor to said balancing impedances, means for sensing said error voltage, and means actuated by said sensing means to actuate said clutch device when said error voltage becomes negligible so as to connect said motor to a different balancing impedance.

2,584,810
PERPETUAL CALENDAR
Le Roy Thomas Daniel O'Kane, Pittsburgh, Pa.
Application January 28, 1949, Serial No. 73,310
2 Claims. (Cl. 40—109)



1. A perpetual calendar comprising a supporting member having thereon a chart whereon the days of each month are arranged in rectilineal relation along laterally-spaced lines, with the names of the months placed at the ends of their respective lines and the numbers in each line being so arranged that the first day in each month will be in a column designated as a day of the week that follows that day of the week upon which the last day of the preceding month fell, a pair of rolls upon either of which the chart may be wrapped, a frame on the supporting member, for rotatably supporting the rolls, and having a facing sheet in front of the rolls, with a slot-like opening through which the various months and their associated days will be successively exposed upon rotation of the rolls, a slide bearing day-of-the-week designations for a plurality of weeks, along a line adjacent to and in parallelism with said slot, and guide strips on the slide and extending across the said opening, each at a certain day of each week and in overlying relation to the monthly lines of the chart as such lines are successively brought into view at the slot-like opening.

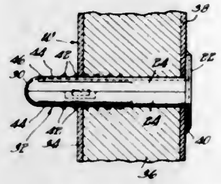
2,584,811
ELECTRONIC COUNTING CIRCUIT
Byron E. Phelps, Chatham, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application December 27, 1944, Serial No. 569,992. Divided and this application March 13, 1946, Serial No. 654,175
37 Claims. (Cl. 250—27)



3. In a counter, a group of stages, each stage comprising a trigger circuit having an on and an off condition and being adapted to be changed from one condition to the other in alternation, in response to successive electrical impulses; means interconnecting said stages in a series and

including means whereby each stage, except the highest in the series, on changing from a chosen condition to the other condition transmits an operating impulse to the next stage in the series, means to apply operating impulses to the lowest stage of the series; and means controlled by said highest stage to lock a lower stage against response to an operating impulse.

2,584,812
DRIVE FASTENER
Ouglјesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application June 19, 1947, Serial No. 755,675
14 Claims. (Cl. 85—5)



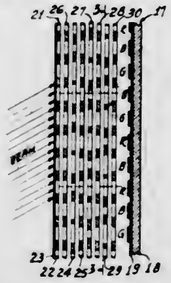
1. A one-piece drive fastener formed of sheet material and comprising two elongated channel-shaped members arranged in complementary relation to provide a tubular stud portion, a longitudinally sheared section on at least one of said channel members capable of being flexed inwardly relative to such member, said section being presented between a pair of longitudinal slits, the extremities of said slits terminating short of the opposite ends of the tubular stud portion, a head on said stud portion adapted to engage a surface of an apertured work piece into which the fastener is inserted, and work-engaging protuberances disposed on said flexible sheared section and on the diametrically opposite portion of the other channel member.

2,584,813
FASTENER FOR SECURING MOLDING TRIMS
Ouglјesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application October 15, 1947, Serial No. 780,004
2 Claims. (Cl. 85—5)



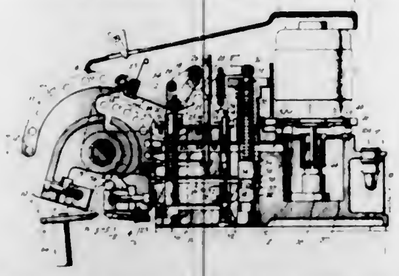
1. A one-piece sheet metal molding clip for mounting channel-shapped moldings with inturned flanges upon a work piece and comprising a plate-like shank having at one end a short and substantially uniform, narrow, longitudinal severance to present a pair of normally coplanar plate-like elements, each being approximately half the width of the shank and flexible transversely of the plane of the shank, and said shank having at the opposite end thereof below the longitudinal severance a relatively rigid and substantially planar entering end section for insertion within a work aperture, a head section including a plurality of adjacently positioned separate head members on opposite sides of the longitudinal severance and of substantially the width of a corresponding plate-like element, each head member consisting of a continuation of the stock of a corresponding one of said plate-like elements in the form of a return double layer bend with the inner layer disposed at substantially right angles to the shank and with the outer layer bent back upon the inner layer, each double layer bend projecting substantially normally of the shank on opposite sides thereof and terminating in a free single layer extremity also oppositely projecting substantially normally from opposite sides of the shank, each single layer extremity being directed inwardly to position the end margin thereof substantially in the plane of the inner layer of its corresponding opposite double layer bend and each said end margin normally projecting laterally from the shank a distance greater than the end margin of the double layer bend on the adjacent head member at the same side of said shank, and said head members being shiftable transversely with transverse flexing of said plate-like elements to bring the end margins of adjacent head members toward substantial alignment parallel to the plane of the entering end of the shank for reducing the maximum transverse extent of the head members between the free margins of the single layer extremities whereby to facilitate operative association thereof with opposed inturned flanges of a complementary channel-shaped molding strip on one face of the work piece, and said shank having deformable portions for engaging the opposite face of the work piece.

2,584,814
COLOR TELEVISION PICTURE TUBE
Milton Rosenberg, Trenton, and Jan A. Rajchman, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 16, 1950, Serial No. 168,562
11 Claims. (Cl. 313—92)



1. An electron discharge device comprising: an electron-excitable surface for producing a polychromatic image, said surface including a plurality of sub-elementary areas for producing monochromatic components of said image; a source of electrons directed toward said surface; a group of electrodes mounted between said surface and said source of electrons for controlling excitation of said sub-elementary areas selectively in accordance with respective monochromatic video voltages, said group of electrodes including an apertured plate for effectively subdividing a flow of electrons from said source into a plurality of electron jets; means for directing said jets along individual axes each of which terminates at a predetermined one of said sub-elementary areas; and said group of electrodes including an electrode having apertures which are aligned respectively with said axes and are of at least two different predetermined sizes for differently controlling jets which are directed at apertures of different sizes.

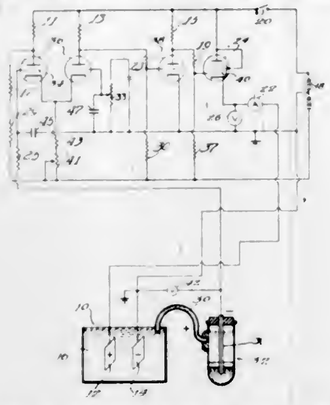
2,584,815
POWER-OPERATED HYDRAULIC SEALER AND CRIMPER
Leroy L. Salfisberg, South Orange, N. J., assignor, by mesne assignments, to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application June 26, 1948, Serial No. 35,458
14 Claims. (Cl. 154—42)



1. A machine comprising a frame casting, relatively movable jaws mounted thereon to receive between them material to be pressed, mechanism for closing said jaws comprising a main operating device including a piston in a cylinder in said frame casting, linkage connecting said main operating device to said jaws, an auxiliary operating device including a piston in a cylinder in said frame casting connected to said linkage to initially close said jaws, means supplying power constituting a liquid reservoir and a hydraulic pumping system having an inlet from the reservoir and an outlet leading to one end of the said cylinder of the auxiliary device and a liquid return passage between said outlet and said reservoir, means for controlling application of said power to said auxiliary operating device to initially close said jaws including a starting valve to control communications between said outlet and said liquid return passage, means for selectively actuating said starting valve into a position to normally cause liquid to circulate freely through said outlet and said return passage substantially free of pressure and into another position to cause liquid to be forced under pressure to said cylinder of the auxiliary device, and means normally positively preventing application of power to said main operating device and providing for application of said power thereto at a predetermined point in the jaw closing operation of said auxiliary operating device including a passage from said cylinder of the auxiliary device to the cylinder of the main operating device, said piston of the auxiliary device being located normally to close said passage and at a predetermined point in the movement of said piston to open said passage so as to prevent and to permit flow of liquid from said reservoir into said passage, respectively, for controlling operation of said main operating device.

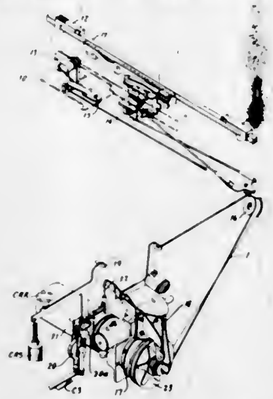
2,584,816
ELECTROPLATING CONTROL SYSTEM
Matthew L. Sands, Everett, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application August 17, 1948, Serial No. 44,789
2 Claims. (Cl. 204—231)

1. An electroplating system for maintaining the potential between a plating solution and plating electrode substantially constant, comprising an electroplating cell including a container for an electrolyte, an anode electrode and a cathode electrode immersed in the electrolyte; a first thermionic tube having at least a cathode, anode, and a grid; means electrically connecting the electroplating cell anode and cathode, a source of plating potential and the anode and cathode of the first thermionic tube in series; means for varying the resistance of the first thermionic tube in a direction to remove variations in potential between the electroplating cell cathode and the electrolyte comprising means for supplying a constant reference potential; a direct current electronic amplifier having at least a first grid controlled thermionic tube and means electrically connecting the grid-cathode space serially with



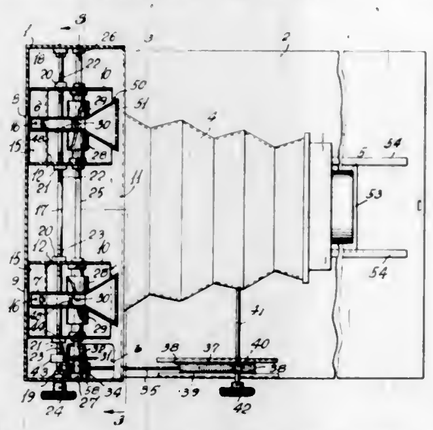
said reference potential supply means, said electrolyte, and said electroplating cell cathode; means coupling the output of the electronic amplifier across the grid-cathode space of the said first thermionic tube with that polarity which increases the resistance thereof upon an increase in potential between the electroplating cell electrolyte and cathode and decreases the resistance thereof upon a decrease in potential between the electroplating cell, electrolyte and cathode, whereby tendencies to variation of potential between the electroplating cell electrolyte and cathode are inhibited.

2,584,817
LINE SPACING CONTROL FOR TYPEWRITERS
John E. Sill, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 12, 1949, Serial No. 81,062
6 Claims. (Cl. 197—114)



3. In combination, a line spacing mechanism, means for causing operation of the line spacing mechanism; a device for counting line spacing operations including actuating means for driving said device in step with operation of the line spacing mechanism and means to limit operation of the line spacing mechanism to a predetermined number of operations, said actuating means including a magnet for operating said device; contacts operated by the line spacing mechanism for closing a circuit to said magnet with each operation of the line spacing mechanism, and a device for placing the first named means under control of the limiting means.

2,584,818
LENS COUPLED RANGE FINDER FOR CAMERAS
Clarence C. Smith, Flushing, N. Y., assignor of one-half to Eugene F. Hartley, Onancock, Va.
Application November 18, 1946, Serial No. 710,668
4 Claims. (Cl. 95—44)



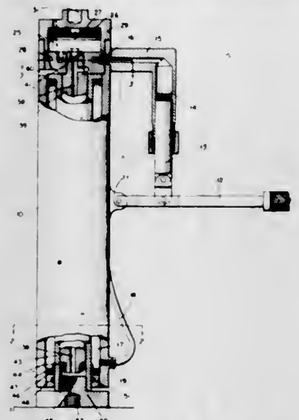
2. In a camera, the combination with lens mechanism adjustable for focusing purposes, a pair of sight tubes pivotally mounted on the camera for range finding purposes, means for selectively spacing the pivotal mountings of the tubes, means for pivotally adjusting the tubes on their mountings to intersect their sight lines, means to co-relate such pivotal adjusting means to the spacing of the tubes, and means actuated by the tube adjusting means for simultaneously moving the lens mechanism for focusing purposes while looking through the tubes.

2,584,819
HANDLING OF FLUOBORIC ACID
Jerome W. Sprauer, Niagara Falls, N. Y., and Oliver S. Sprout, Jr., North Hills, Pa., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application May 14, 1949, Serial No. 93,432
9 Claims. (Cl. 206—84)

3. In combination, an aluminum container and fluoboric acid therein, said acid containing less than 2 parts water per 3 parts HBF_4 by weight.

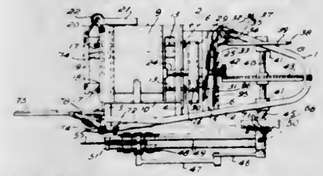
2,584,820
DOUBLE-ACTING HYDRAULIC JACK
Raymond J. Steinhoff, Alhambra, Calif.
Application May 1, 1947, Serial No. 745,276
1 Claim. (Cl. 60—52)

An all-purpose double acting jack comprising a movable cylinder, a block fixed to one end of the movable cylinder, a piston anchored to the block and extending into the movable cylinder, a ram surrounding the piston, said ram being spaced from the inner wall of the movable cylinder to provide a motor chamber within the movable cylinder, said ram being slidable out of the movable cylinder, a reservoir associated with the movable cylinder for at first receiving the oil leaving the motor chamber, spring pressure means within the reservoir placing the oil therein under pressure, a second motor chamber in said ram, a pump associated with the movable cylinder to draw oil from the reservoir and to force the same to the second motor chamber between the piston and the ram to extend the same relative to one another, and said ram being retracted



by returning the oil to the motor chamber between the ram and the movable cylinder, and the block secured to the piston having passages for receiving oil from the reservoir for passage to the pump and for the return of the oil from the pump under pressure for delivery to the second motor chamber between the piston and ram, said piston having a central bore extending downwardly therethrough and said central bore being in communication with the passages within the block, said reservoir being disposed on the end of the movable cylinder adjacent to the block and comprising further a member screw threaded into the movable cylinder and said member having an attaching portion connecting the jack to a part to be worked by the jack and said ram having a member adapted for the attachment of the jack to a part to be operated by the jack, and a two-way valve connected with the block and the passages therein for reversing the flow of the oil.

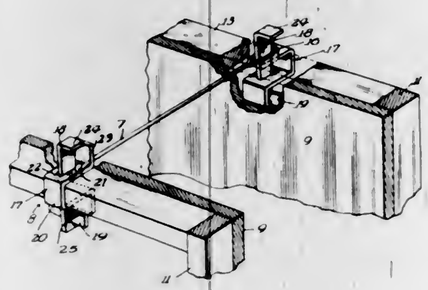
2,584,821
PORTABLE SAWING MACHINE
Thomas Stennitt, Lansdowne, Ontario, Canada
Application April 3, 1948, Serial No. 18,796
In Canada June 12, 1947
5 Claims. (Cl. 143—63)



1. In a sawing tool having a frame and a motor for actuating the tool, mounting means for the

motor to permit upright positioning of the motor when the operating position of the frame is inclined, said mounting means comprising a motor supporting plate on which said motor is fixed, arcuate end plates fixed to the supporting plate on opposed edges thereof and having aligned arcuate slots therein, rods carried by the frame and having sliding engagement with the walls of said slots, and means for locking said rods in any position within said slot.

2,584,822
WALL FORM SPREADER TIE
Arthur H. Symons, Chicago, Ill., assignor to Symons Clamp and Mfg. Company, Chicago, Ill.
Application January 29, 1947, Serial No. 724,999
2 Claims. (Cl. 25—131)

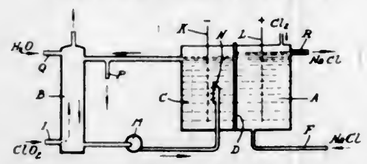


1. A device adapted for use in connection with a wall type panel in the form of a facing with an aperture therethrough and a reenforcing beam of rectangular cross section mounted on the outer surface of the facing in juxtaposition with respect to the aperture and having a transverse slot adjacent and at right angles to said aperture, and a combined tie and spreader member having one end thereof extending through the aperture, fitting against the side surface of the beam that is nearer said aperture, and provided with a transverse opening in alignment with the slot, said device comprising a U-shaped bracket embodying an outer intermediate part and a pair of laterally spaced inwardly extending side legs, shaped to straddle said one end of the member and the slotted part of the beam, having its side legs as long as the beam is wide in order that when the bracket is in its straddled position with respect to said one end of the member and said slotted part of the beam the free ends of the side legs abut directly against the outer surface of the facing, embodying in its side legs aligned slots adapted when the bracket is in its said straddled position to register with the opening in said member and the slot in the beam, and having on the free end of the side leg thereof that laps the one end of the member an outwardly extending right angle foot adapted to abut directly against said outer surface of the facing and prevent the bracket and beam from turning laterally in one direction relatively to said facing, and a bolt adapted when the bracket is in its aforesaid straddled position to extend through the slots in the side legs of the bracket, the opening in said one end of the member and the slot in the beam, and operative when in place to connect the member and bracket to the beam and also to hold the panel against lateral displacement in either direction with respect to said member.

2,584,823
STEPWISE ADDITION OF A DIAZO THIOETHER IN EMULSION POLYMERIZATION
Charles M. Tucker, Phillips, and Wayne E. Wells, Borger, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware
Application May 19, 1947, Serial No. 749,066
5 Claims. (Cl. 260—84.1)

1. A process for the production of synthetic rubber, which comprises copolymerizing in aqueous emulsion having a pH between 9.5 and 11.5 a monomeric material comprising a major amount of 1,3-butadiene and a minor amount of styrene, adding to said reaction mixture prior to reaction 0.03 to 1 part of a water-soluble ferricyanide, 0.05 to 1.4 parts of a mercaptan having six to sixteen carbon atoms per molecule, and an initial increment of a diazo thioether having the formula R—N=N—S—R' wherein R is an aromatic radical and R' is a member of the group consisting of aromatic, cycloalkyl, and aliphatic radicals in an amount between 0.01 and 0.15 part, adding during the course of said copolymerization subsequent increments of a solution of such a diazo thioether in styrene in an amount of 0.01 to 0.15 part each 1.5 to 2 hours until a total amount between 0.05 and 1 part has been added, all parts being parts by weight based on 100 parts of said monomeric material, and recovering from effluents of said reaction synthetic rubber polymers so produced.

2,584,824
ELECTROLYTIC PREPARATION OF ALKALI METAL CHLORITES
Lambert Vanharen, Ixelles-Brussels, Michel Rossier, Uccle-Brussels, and Louis Vandeur, Watermael-Brussels, Belgium, assignors to Solvay & Cie, Ixelles-Brussels, Belgium, a Belgian company
Application February 18, 1948, Serial No. 9,096
In Belgium July 19, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 19, 1966
5 Claims. (Cl. 204—95)

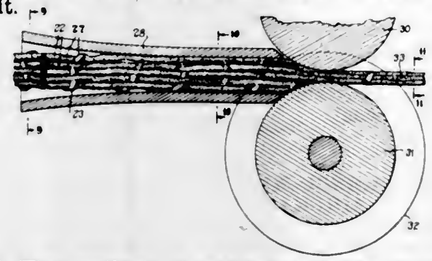


1. The process of preparing an alkali metal chlorite, which comprises subjecting to electrolysis as a catholyte in a diaphragmed electrolytic cell an aqueous solution comprising an alkali metal hydroxide, simultaneously introducing chlorine dioxide into direct contact with the polarized cathode in a quantity stoichiometrically in excess of the hydrogen discharged at the cathode, while maintaining the catholyte slightly acid to nearly neutral, thereby obtaining the chlorite.

2,584,825
BRAKE LINING AND METHOD OF MAKING THE SAME
Gustav Walters, Middletown, and Henry Clifford Morton, Branford, Conn., assignors to The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut
Application December 11, 1948, Serial No. 64,842
6 Claims. (Cl. 154—81)

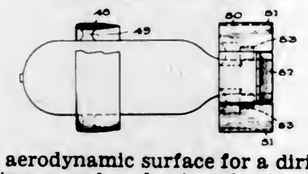
1. A brake friction member having a arcuate braking-face strip comprising: a plurality of

heat-hardenable, bonding-friction-material-impregnated web-units, each initially of greater height than width, and said impregnated web-units extending in side-by-side relation with one another widthwise of said impregnated web-units and of said strip and substantially throughout the length of said strip as edgewise-compressed impregnated web-units forming a heat-hardened unitary mass forming said strip; and each web-unit initially having strands loosely interlaced together substantially throughout the height and length of the web-unit.



5. The method of making a brake friction member having an arcuate braking-face strip, comprising: providing a web having strands loosely interlaced together substantially throughout its height and length; impregnating said web with heat-hardenable bonding friction material and forming said impregnated web of greater height than width; arranging web-units of said impregnated web in side-by-side relation with one another widthwise of said impregnated web-units and of said strip and substantially throughout the length of said strip; and subjecting said arranged impregnated web-units to heat and edgewise pressure and forming a braking-face strip.

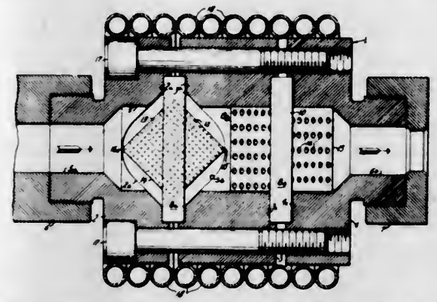
2,584,826
AERODYNAMIC SURFACE FOR DIRIGIBLE BOMBS
Ralph D. Wyckoff, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application May 31, 1946, Serial No. 673,373
5 Claims. (Cl. 102—3)



1. An aerodynamic surface for a dirigible bomb comprising a surface having the form of a prismatic shell and having operable aerodynamic flaps mounted on and parallel to a straight portion of the trailing edge of said shell.

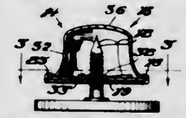
2,584,827
CROSSOVER HOMOGENIZING APPARATUS
James Bailey, West Hartford, Conn., assignor to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application March 7, 1947, Serial No. 733,170
5 Claims. (Cl. 259—4)

1. Apparatus for continuously mixing the material constituting a confined plastic stream flowing continuously under pressure including a housing for laterally confining the flow of plastic material therethrough, a first distributing member for dividing the stream along a first line through approximately its center into two substantially equal parts, a plurality of channels in said distributing member for directing plastic from one side of the dividing line to the other into a reunited stream in the housing, a second distributing member for redividing the stream along a second line through approximately the center of



said reunited stream into substantially equal parts, said first and second dividing lines being at approximately right angles to the stream and to each other, and a plurality of channels in said distributing member for directing plastic from each part of the redivided stream from one side of the second dividing line to the other into a reunited stream.

2,584,828
BUTTON BACK
Frederick A. Ballou, Jr., Providence, R. I., assignor to B. A. Ballou & Co., Incorporated, a corporation of Rhode Island
Application December 7, 1948, Serial No. 63,943
1 Claim. (Cl. 24—105)



A securing device for a threaded post comprising a hollow member having a closed cup-shaped part and an outer plate across the mouth of the cup with an opening therein through which said post may extend, a spring plate supported by said outer plate and securely held in said member at its outer peripheral edge, said spring plate having a central opening registering with the opening in the outer plate with opposed edges for engaging the post and opposed generally radially extending fingers formed from the stock of said spring plate by slitting from said edges of said opening to provide narrow junctures with the plate at points spaced radially outwardly from said central opening with the edges of the fingers at the opening deflected away from the outer plate different distances, and at an angle to the plane of the plate corresponding to the pitch of the threads of the posts to be accommodated, the differential of said distances being substantially the pitch of the threads of the post to be accommodated.

2,584,829
HAND MIRROR AND SUPPORTING HANDLE
James F. Barnes, Chicago, Ill.
Application August 16, 1950, Serial No. 179,789
2 Claims. (Cl. 88—102)

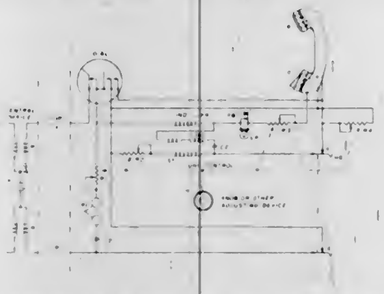
1. A mirror structure comprising a body providing a transparent disc panel portion sur-

rounded by a transparent cavity-defining rim and having a handle attached to the opposite side of the rim, the surface of the transparent disc portion within the cavity and the rim surface facing the cavity being silvered to provide light



reflecting surfaces, and a closure cap carried by said rim and extending across said cavity at a spaced distance from said transparent disc panel portion to protect the silvered faces of the transparent disc panel portion and the rim.

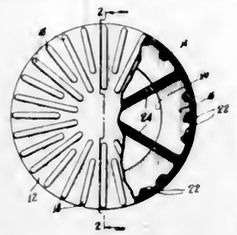
2,584,830
TELEPHONE SUBSTATION EQUIPMENT WITH VARIABLE ANTISIDETONE CIRCUIT
Henry M. Bascom, New York, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application April 11, 1949, Serial No. 86,812
8 Claims. (Cl. 179—81)



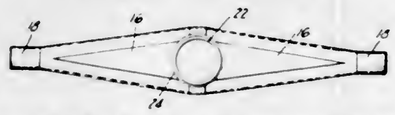
1. A telephone substation circuit including a transmitter and a receiver, a variably adjustable side tone control circuit connected in shunt with said receiver, a first variable impedance in series with said transmitter, a second variable impedance in shunt with said receiver and said side tone circuit, a third variable impedance connected in said side tone circuit, and means for controlling simultaneously said variable impedances.

2,584,831
CUSHION FOR FOOT PEDALS
Samuel F. Bashara, Houston, Tex.
Application May 20, 1950, Serial No. 163,125
4 Claims. (Cl. 74—563)

1. A cushion for foot pedals comprising a hollow body formed of resilient material, upper and lower walls on said body, said lower wall having an opening for the insertion of a pedal into the body, merging web means forming a thickened centrally located reinforcing portion on said upper wall extending within said body and cooperable with said lower wall to retain said body on said pedal.



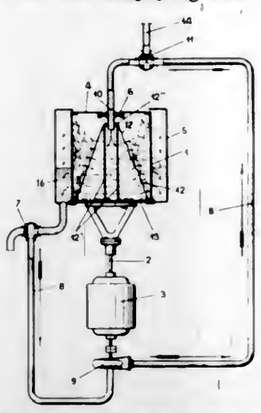
2,584,832
METHOD OF MAKING A TRUNNION FOR AIRCRAFT LANDING GEAR
George E. Beringer, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application April 7, 1945, Serial No. 587,058. Divided and this application October 3, 1945, Serial No. 619,943
1 Claim. (Cl. 29—152)



The method of making a trunnion for an aircraft landing gear which consists in first configuring an integral section of cylindrical tubing of uniform diameter and wall thickness by a reducing operation to provide a unit of appreciably greater diameter and slightly lesser wall thickness at its center portion merging on both sides into intervening body portions of gradually reducing diameter which in turn merge at the outer ends of the tubing into cylindrical sections of slightly increased wall thickness but appreciably reduced diameter, thereafter by a separate operation flattening the walls of the center and tapered portions of the tubing to give to the same a substantially elliptical cross-section progressively approaching circularity to merge with the cylindrical outer ends of the tubing, and machining the inner diameter of the cylindrical end portions to receive pivot members which are mounted on the body of the aircraft and on which the trunnion is adapted to be mounted.

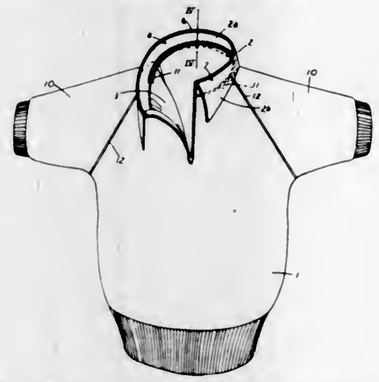
2,584,833
LAUNDRY MACHINE
Marcel Beucler, Paris, France
Application November 15, 1945, Serial No. 628,863
In France September 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 14, 1964
5 Claims. (Cl. 68—23)

1. A laundry machine for washing, rinsing, wringing and drying clothing comprising a vat for clothing having substantially the shape of a surface of revolution with a vertical axis, means for continuously rotating said vat in a single direction, a tubular framework vertically fixed in said vat, a flexible filter bag in said vat having a smaller end and a larger end, said smaller end being above said larger end and secured to said tubular framework, a weighted grid secured to said larger end of said filter bag, means for circulating water through said vat and said bag in a closed circuit at a fluctuating pressure to impart an accordion movement to said filtering bag, and means for emptying said circuit and



for feeding same with water whereby upon passing water through said filter in said vat the clothing therein will be cleansed by both passage of water and said accordion movement.

2,584,834
TURNDOWN COLLAR
Frank William Bevins and Herbert John Bevins, Leicester, England, assignors to F. W. & H. J. Bevins Limited, Leicester, England
Application February 17, 1948, Serial No. 9,294
In Great Britain May 23, 1947
5 Claims. (Cl. 66—176)

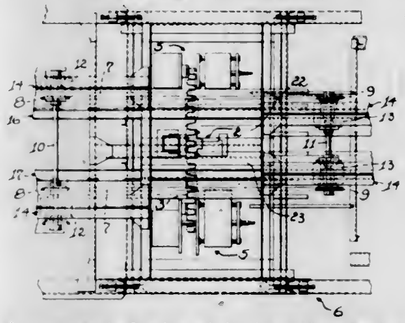


1. A turndown collar, having a neck-band and a turndown outer portion integral with it, both of which portions are made of knitted fabric, and having in the region of the folded juncture between them roll welt comprising held loops in the interior corner between the two portions.

2,584,835
PREPARATION OF STABLE ALKYL POLYSILOXANE RESINS
Auguste Florentin Bidaud, Serezin-du-Rhone, and Louis Ceyzeriat, Lyon, France, assignors to Societe Des Usines Chimiques Rhone-Poulenc, Paris, France, a French body corporate
No Drawing. Application October 7, 1946, Serial No. 701,618. In France March 26, 1946
3 Claims. (Cl. 260—33.6)

1. A process for the preparation of thermosetting alkylpolysiloxane resins stable at room temperature and containing less than 1.5 alkyl groups per silicon atom, the said alkyl groups being identical, being the sole organic groups and containing less than three carbon atoms, which comprises hydrolyzing in a solvent medium and in the presence of water, an alkyl-halogeno-silicane containing less than 1.5 alkyl groups per silicon atom, the said alkyl groups being identical, being the sole organic groups and containing less than three carbon atoms, neutralizing the solution of the hydrolysis products thus obtained to produce a solution containing the hydrolyzed product and water, and subjecting the products of hydrolysis, in a medium consisting solely of the said products, an organic solvent for the thermally treated products, and the water, to thermal treatment at a temperature of at least 75° C., for a period of time sufficient to effect stabilization of said products and to remove water, the hydrolysis products being maintained continuously in solution from the time of their formation to the end of the thermal treatment.

2,584,836
TRANSFER DEVICE
Svend G. Blumensaadt, Beachwood Village, Ohio, assignor to The Universal Wire Spring Company, Cleveland, Ohio, a corporation of Ohio
Original application September 2, 1947, Serial No. 771,592. Divided and this application January 23, 1948, Serial No. 3,938
11 Claims. (Cl. 214—1)

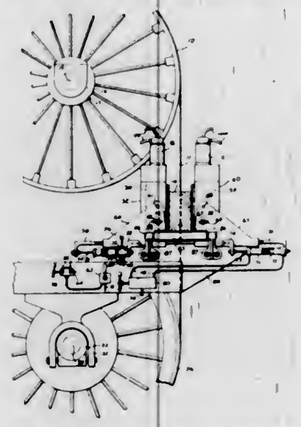


1. A corrugated wire strip transfer device embodying a table adapted to support a portion of a corrugated wire strip, a vertically shiftable support for said table, wire strip gripping means pivoted to said table for cooperation therewith in wire strip gripping action, lever and spring means for automatically shifting said wire strip gripping means to gripping position, shiftable supporting means pivotally coupled with said lever means and mounting said spring means, releasable stop means for said shiftable supporting means adapted to arrest said supporting means in predetermined position to effect release of the gripping action of said wire strip gripping means when said shiftable table support is traveling upward, and a tripping device for releasing said stop means and effect snap-like gripping action of said wire gripping means by said lever and spring means.

2,584,837
HYDRAULIC RESAW SETWORK
Donald H. Bookhultz and George E. Zweifel, Portland, Oreg., assignors to George E. Zweifel & Company, Portland, Oreg., a partnership
Application May 20, 1947, Serial No. 749,388
3 Claims. (Cl. 143—4)

2. In a resaw, a set roll assembly slidably mounted on the frame of the resaw, a first hy-

draulic cylinder, a piston therein operably connected to the set roll assembly, valve means for directing the flow of fluid to the respective sides of the piston in the first hydraulic cylinder whereby to secure the reciprocation thereof and the lateral adjustment of the set roll assembly, a press roll assembly slidably mounted on the frame of the resaw, a second hydraulic cylinder, a piston therein operably connected to the press roll assembly, second valve means for directing the flow of fluid to the respective sides of the



piston in the second hydraulic cylinder whereby to secure the reciprocation thereof and the lateral adjustment of the press roll assembly and the exertion of clamping pressure by the rolls therein, a constant displacement pump, conduit means interconnecting the same and the first valve means and the first hydraulic cylinder, a constant displacement variable pressure pump, and conduit means interconnecting the same and the second valve means and the second hydraulic cylinder.

2,584,838
FREEZING TRAY
Robert S. Boyle, Akron, Ohio, assignor to The Cube Drawer Corporation, Akron, Ohio, a corporation of Ohio
Application July 28, 1948, Serial No. 41,039
3 Claims. (Cl. 62—108.5)

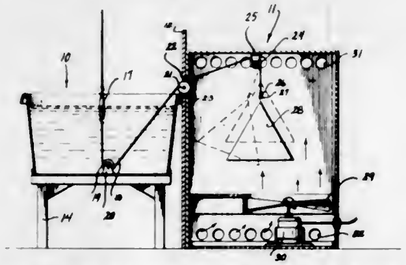


1. A freezing tray comprising a rigid grid open at the bottom and having a plurality of individual pocket sections formed therein, said grid having longitudinally extending bars and transversely extending bars that form the pocket sections in same, said bars having slightly tapered flat surfaces forming the walls of said pocket sections, said longitudinally extending bars being deeper than said transversely extending bars and with the outer longitudinally extending bars each having an outwardly directed flange formed on the upper edge of its outer surface, and a rubber pocket forming liner associated with said grid and being provided with a plurality of closed bottom pockets adapted to seat snugly in the pocket sections of said grid, the bottoms of the pockets in said rubber liner being in the general shape of caternary curves extending across same, said rubber liner also having edge portions adapted to extend around the flanges on said grid in engagement therewith and down into contact with the bars of the grid to removably position said liner snugly on said grid.

2,584,839
DECREASING FLUORESCENCE OF SYNTHETIC CAFFEINE
Jay S. Buckley, Jr., Groton, Conn., assignor to Chas. Pfizer & Co., Inc., a corporation of Delaware
No Drawing. Application December 4, 1950, Serial No. 199,160
4 Claims. (Cl. 260—256)

1. A process for decreasing the fluorescence of synthetic caffeine which comprises treating a solution of synthetic caffeine with nitrous acid and recovering the purified caffeine from said solution.

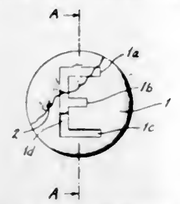
2,584,840
DISPLAY DEVICE
John Clarence Burris, Mission, Tex.
Application April 14, 1949, Serial No. 87,501
8 Claims. (Cl. 40—37)



1. In a display device of the character described, a body of liquid, a support adapted to extend to a point above said body of liquid, a line carried by said support, a float attached to said line and adapted to be pulled under the surface of the liquid, a second line attached to said float, a hollow cone-like element carried by the free end of said second mentioned line, and power operated means below and off-center with respect to the hollow cone-like element adapted to direct a current of air upward against said hollow cone-like element whereby the float will be drawn under the liquid surface at irregular intervals, the weight of said float and hollow cone-like element being such that the hollow cone-like element will move said float a substantial distance under the surface of the liquid when not subjected to air currents.

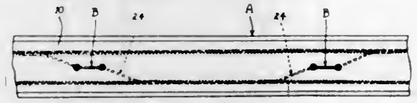
2,584,841
OBJECT OF PRESSED OR SPRAYED MATERIAL FITTED WITH A SIGN
Hans Caprez and Ernst Kruse, Zug, Switzerland, assignors to Landis & Gyr, A. G., Zug, Switzerland, a corporation of Switzerland
Application February 19, 1945, Serial No. 578,700
In Switzerland August 12, 1944
6 Claims. (Cl. 40—8)

1. The method of making a sign bearing element, which consists in forming a body of a synthetic plastic material having a sign defining channel in one of its faces, filling said channel with a similar plastic of different color than said body exposed at said face to form a sign distinctive in appearance from the body, said similar plastic at the time of filling being in the plastic state, and then coating said face of the body and exposed portions of the filling with a transparent coating liquid material of the same synthesis as the body and filling, and including an evaporative



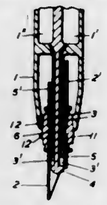
solvent acting in the hardening of the coating to integrate and bind particles of the body, filling and coating together.

2,584,842
MATTRESS HANDLE
William F. Caster, West St. Paul, Minn., assignor to Benjamin E. Siegel
Application June 24, 1946, Serial No. 678,957
8 Claims. (Cl. 5—345)



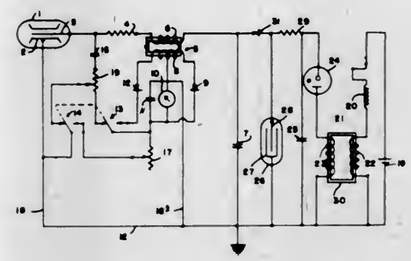
1. A handle for a mattress having an inner spring unit and an encircling border, the handle comprising a member designed to overlie a portion of the outer surface of the border, ends on said member extending through the mattress border, a bar to which the ends of the handle member are secured, said bar lying in a plane substantially parallel to said portion of the border, and means securing said bar to the edge of the inner spring unit.

2,584,843
FOUNTAIN PEN
Jaroslav Černý, Dolní Kralovice, Czechoslovakia
Application October 19, 1949, Serial No. 122,267
In Czechoslovakia January 25, 1949
4 Claims. (Cl. 120—42.1)



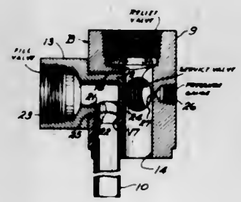
1. A fountain pen comprising a hollow pen barrel having an opening at the front end thereof, two reservoirs for ink supported within said barrel and spaced from said opening, a feeding head integral with said reservoirs and projecting through said opening, two channels in said feeding head each communicating with one of said reservoirs and terminating in an outlet in the region of the projecting part of said feeding head, a removable barrel head adapted for insertion into said opening and having a central passage to receive said projecting part to allow the barrel head to be slid thereover during such insertion, a pen point at each end of said barrel head, and cover plate means on said barrel head, the parts being so constructed and arranged that, when said barrel head is in position on the barrel, a selected one of said pen points is adapted to contact a selected one of said outlets to receive ink from one of said reservoirs, the other of said pen points is adapted to be located within the pen barrel in the space between said opening and the reservoirs, and said cover plate means is adapted to cover the other outlet to prevent outflow of ink from the other reservoir.

2,584,844
GEIGER TUBE RADIATION METER
James M. Constable, Ozone Park, N. Y.
Application November 26, 1949, Serial No. 129,543
5 Claims. (Cl. 250—83.6)



1. A radiation meter comprising a gas-filled tube subject to discharge by radiations when energized, a source of electric power supply for energizing said tube, a step-down transformer having a primary winding and a secondary winding, said primary winding being connected to the source of power supply for said tube and responsive to the discharge of the latter, an indicating means connected to said secondary winding and energizable therefrom for indicating the rate of discharge of said tube, and a rectifier interposed between said secondary winding and said indicating means to supply the latter with unidirectional current.

2,584,845
PIPE FITTING
Charles H. Crawley, Euclid, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application January 14, 1950, Serial No. 138,565
2 Claims. (Cl. 285—210)



1. A valve head for a multiple valve assembly comprising a body member having formed therein a first axial through bore for conducting gas, a second axial bore in said body to one side of said first axial bore and terminating intermediate the axial extent of said body, a generally radial bore in said body intersecting both of said bores, and a nipple member having a shank portion disposed and fastened in said radial bore, said nipple having a passageway communicating with said second bore, the end of said nipple shank being imperforate and forming part of the wall of said first bore to isolate said bores.

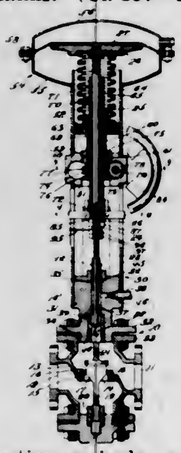
2,584,846
TRIHALOETHYL ESTERS OF DIBASIC ALIPHATIC ACIDS AND THE PRODUCTION THEREOF
John W. Cusic, Skokie, and Albert L. Raymond, Northfield, Ill., assignors to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois
No Drawing. Application April 13, 1948, Serial No. 20,825
12 Claims. (Cl. 260—485)

1. A halogenated ester having the formula

$$\begin{array}{l} COO{-}R \\ | \\ X \\ | \\ COO{-}R' \end{array}$$

wherein X is a member of the group consisting of halomethylene radicals and alkylene radicals containing one to four carbon atoms between the ester groupings, R is a member of the group consisting of ethyl and trihaloethyl radicals, and R' is a trihaloethyl radical.

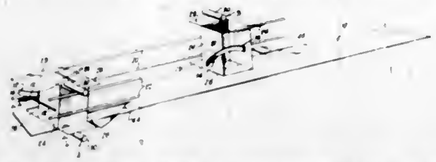
2,584,847
AUTOMATICALLY OPERATED VALVE WITH CONTINUOUSLY CONNECTED HANDWHEEL
George W. Dahl, Barrington, R. I., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass., a corporation of the United States
Application April 17, 1948, Serial No. 21,614
6 Claims. (Cl. 137—139)



2. In combination a body, a stem movable through said body, spaced abutments secured to said stem, a sleeve embracing said stem between the abutments and of a length less than the distance between said abutments and movable along said stem between said abutments to engage one of said abutments and in turn move said stem, threads on said sleeve, a member rotatably held against axial movement in said body and engaging said threads to move said sleeve upon being rotated, and gear means for rotating said member.

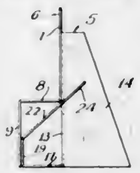
2,584,848
ADHESIVE APPLYING MEANS FOR COATING THE FLAPS OF CARTONS
Harold Daum, New York, N. Y., and Daniel L. Rugen, Bound Brook, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application May 1, 1948, Serial No. 24,504
4 Claims. (Cl. 118—223)

1. In a machine for sealing carton closure flaps, said machine including a carton conveying device, the improvement comprising, an adhesive applicator on one side of said conveying device, an adhesive applicator forwardly of said first applicator and on the opposite side of the conveying device, means including a pressure arm acting on the carton for controlling the position of the carton on said conveying device to place a closure flap on one side thereof in position to receive ad-



hesive from said first applicator as the carton moves past the applicator on the conveying device, and means including a pressure arm acting on the carton to control the position of such carton to place a closure flap on the opposite side thereof in position to receive adhesive from said second applicator as the carton is moved past it on said conveying device.

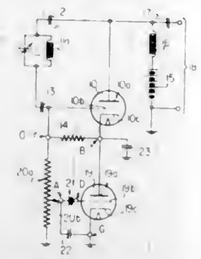
2,584,849
COLLAPSIBLE STEP DISPLAY STAND
Charles A. Decker and Peter S. Scaturro, Jersey City, N. J., assignors to Arvey Corporation, Chicago, Ill., a corporation of Illinois
Application November 2, 1949, Serial No. 125,082
2 Claims. (Cl. 211—149)



1. In a collapsible step display stand formed from flexible sheet material such as cardboard cut and scored to provide a display section and an easel section, said display section comprising a display panel, a step hinged to the lower edge of said display panel, a riser hinged to the front edge of said step, said easel section comprising a body secured to the back side of said display panel, a wing hinged to a side edge of and projecting rearwardly from said body, a base hinged to and projecting forward from the lower edge of said body to maintain said riser in spaced relation to said body, a wing actuating section sloping upwardly and rearwardly from the forwardly projecting edge of said base and into engagement with the inner end of said step and the front side of said body to coact with said riser in supporting said step in a predetermined plane, and an arm formed on the rearward end of said wing actuating section to prevent pivotal movement of said wing toward its collapsed position.

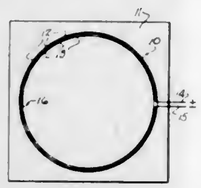
2,584,850
FREQUENCY- AND VOLTAGE-STABILIZED OSCILLATOR
Edward F. De Mers, Urbana, Ill., assignor to Stromberg-Carlson Company, a corporation of New York
Application December 26, 1947, Serial No. 793,821
7 Claims. (Cl. 250—36)

1. An oscillator circuit, comprising an oscillator tube provided with electrodes defining a space current path, means for deriving a unidirectional bias voltage from said circuit which varies in the same sense with variations in the amplitude of the oscillations in said circuit, and means controlled by said bias voltage for impressing an



operating voltage across said space current path which varies in the opposite sense from variations in said bias voltage, thereby to minimize variations in the amplitude of said oscillations.

2,584,851
METHOD AND APPARATUS FOR CUTTING AND BREAKING GLASS
Donald W. Dunipace, Perrysburg, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 23, 1946, Serial No. 671,799
9 Claims. (Cl. 49—50)



5. The method of running a cut on a scored glass plate which comprises applying heat to said plate at spaced intervals only along the score line, with the length of the area to which heat is applied and of the space between said areas being roughly equivalent to the thickness of the sheet being cut, but with the areas to which heat is directly applied being slightly shorter than the spaces between these areas.

6. In apparatus for running a cut in a scored glass plate, an electrical resistance element comprising a series of spaced coiled wire sections arranged in substantially end to end relation, and a series of straight wire sections running between and connecting the coiled wire sections.

2,584,852
PROCESS FOR FLUIDIFYING MIXTURES MAINLY COMPRISING HIGHLY POLYMERIZED POLYVINYL ACETATES
Kurt Elias, Paris, France, assignor of one-half to A. Dawant, St. Ouen, Seine, France, a limited liability company of France
No Drawing. Application March 1, 1950, Serial No. 147,129. In France March 4, 1949
2 Claims. (Cl. 260—27)

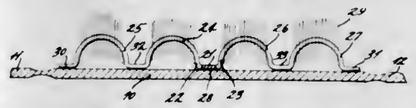
1. A coating composition which is liquid at temperatures of about 140° C. to 150° C. comprising a mixture of high viscosity polyvinyl acetate, colophony and tetrachloronaphthalene, and wherein said colophony comprises from about 42% to 50% by weight of the tetrachloronaphthalene introduced.

2,584,853
GRAPPLE
Walter H. Elsey, Marble, Ark.
Application November 15, 1946, Serial No. 710,038
1 Claim. (Cl. 294—99)



A grapple of the class described comprising a plurality of jar links having parallel side edges, one of said links having a depending portion having flat outer faces, said depending portion having transverse sockets formed on opposite sides thereof in opposed relation and inset from the side edges of the depending portion and in transverse alignment, a grapple blade fitting flat against each opposite face of said depending portion, aligned spaced bolts securing the blades to the depending portion, an inwardly bent anchoring tongue carried by the inner end of each blade and inset from the side edges of said depending portion to shield the tongue against contact with the said wall of the well into which the grapple is inserted, said tongues being in longitudinal alignment with said bolts and in transverse alignment relative to each other and fitting in said sockets on opposite sides of said depending portion to firmly anchor the blades against lateral strain and lateral swinging movement relative to the bolts, the tongues and the inner faces of the sockets having abutment relation in a plane at right angles to the tongues, the side edges of the blades contacting the depending portion laterally of and below said tongues to resist twisting of the blades relative to the depending portion, the grapple blades being interchangeable and of substantially duplicate formation to fit flat upon either side of said depending portion and to facilitate the assembling of the grapple irrespective as to the sides upon which the respective grapple blades are fitted.

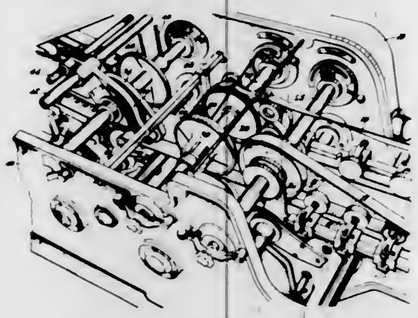
2,584,854
BINDER
Charles Edward Emmer, Chicago, Ill., assignor to General Binding Corporation, Chicago, Ill., a corporation of Illinois
Application December 19, 1945, Serial No. 635,963
1 Claim. (Cl. 281—16)



A loose-leaf binder comprising a back having hinged covers, means providing a plurality of

tiers of ring-like members on said back, said means including a member having a backbone portion complementarily shaped to said binder back and a plurality of fingers extending in parallel relation outwardly from each side of said backbone, said backbone being attached to said binder back, each of said fingers having a plurality of crimped inverted U-shaped portions providing ring-like loops in association with said back, each of said ring-like loops having sheet-receiving portions capable of receiving a plurality of sheets.

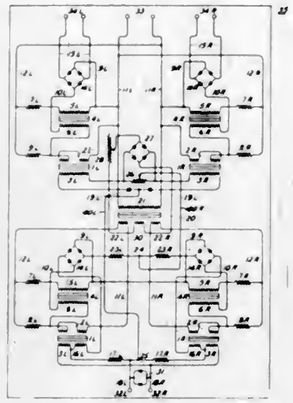
2,584,855
BOX BLANK FOLDING MACHINE
Walter P. Fergnani, Beverly, Mass., assignor to Post Machinery Company, Beverly, Mass., a corporation of Massachusetts
Application June 26, 1948, Serial No. 35,385
10 Claims. (Cl. 93—49)



1. A box blank folding machine comprising a pair of carrier belts having opposed reaches for engaging one longitudinal margin of a blank therebetween and feeding it longitudinally along a predetermined path parallel with the reaches with the opposite longitudinal margin of the blank extending laterally beyond said reaches, and a pair of pressure rolls disposed laterally of said reaches and respectively in position to engage opposite faces of and compress the blank at said opposite longitudinal margin while the blank is supported and fed by said reaches.

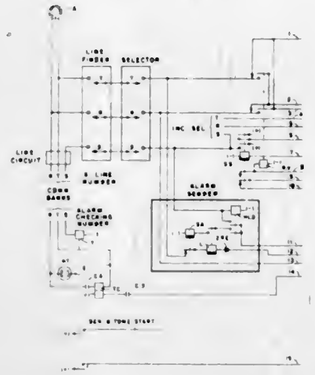
2,584,856
ELECTROMAGNETIC SYSTEM
Alan S. Fitz Gerald, Wynnewood, Pa., assignor to Warren Webster & Company, Camden, N. J., a corporation of New Jersey
Application December 31, 1946, Serial No. 719,445
12 Claims. (Cl. 323—89)

1. In combination, a magnetic amplifier system comprising a first stage consisting of a pair of magnetic amplifiers each having an input circuit and an output circuit, a direct current source of reversible polarity and means for causing said input windings to receive unequal energization from said source in accordance with the polarity of said source, means connecting said output circuit in additive sense in series, and means connecting normally equi-potential junction points between said output circuits for deriving from said junction points direct current output of reversible polarity in accordance with the polarity of said source, together with a second stage consisting of a further pair of magnetic amplifiers each having a direct current input winding in a series circuit with boundary layer rectifying means and an output circuit, means connecting the series circuits of said D. C. input windings in parallel to said junction points, for causing said last-mentioned input windings to



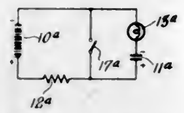
receive unequal energization from said junction points in accordance with the polarity derived from said junction points.

2,584,857
ALARM SYSTEM FOR UNATTENDED AUTOMATIC EXCHANGES
Theodore Frankel, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application August 2, 1948, Serial No. 42,092
10 Claims. (Cl. 179—27)



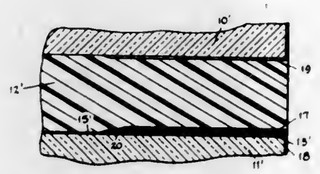
1. In a telephone system, a first exchange, a second exchange, a trunk line interconnecting said exchanges, means in said first exchange operative in response to the initiation of a telephone call to said second exchange to cause a steady transmission of a calling signal over said trunk line, means in said first exchange operative in response to the existence of an alarm condition in said first exchange to cause an intermittent transmission of said calling signal over said trunk line, a call indicating device in said second exchange, and means in said second exchange operative in response to the receipt over said trunk line of said steadily transmitted signal to steadily operate said call indicating device to indicate a telephone call and operative in response to the receipt over said trunk line of said intermittently transmitted signal to intermittently operate said call indicating device to indicate an alarm call.

2,584,858
PHOTOFLASH IGNITION APPARATUS AND METHOD
William H. Fritz, Mamaroneck, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application May 29, 1947, Serial No. 751,224
7 Claims. (Cl. 67—31)



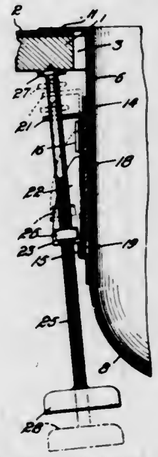
3. In apparatus for firing an expendable type photoflash bulb having a conductor serving as an igniting element, said apparatus comprising a dry battery, a receptacle for said bulb, a condenser of capacity for firing said bulb, circuit connections for charging said condenser from said battery, a limiting resistance in the condenser charging circuit, a low impedance circuit for discharging said condenser through said receptacle and a bulb therein, and a circuit closing switch in the low impedance circuit, the combination therewith of the improvement for eliminating the need for a circuit opening switch to prevent the battery drain of leakage current to said condenser and for eliminating the necessity for closing a switch to charge the condenser, said improvement including said receptacle for said bulb being in the condenser charging circuit and of the type whereby on insertion of the bulb in said receptacle the charging circuit is closed through the condenser, resistance, and battery, and on actuation of said switch for closing the low impedance circuit the condenser fires the bulb and opens said charging circuit, the only condenser discharge circuit being through the circuit closing switch for said low impedance circuit.

2,584,859
LAMINATED SAFETY GLASS STRUCTURE AND METHOD OF MAKING THE SAME
Romey A. Gaiser, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 18, 1948, Serial No. 49,932
7 Claims. (Cl. 201—73)



1. In an electrically conducting laminated safety glass unit comprising two sheets of glass and an interposed layer of non-brittle thermoplastic material all bonded together into a unitary structure, an electrode along the margin of the inner surface of one of said glass sheets, a transparent coating of electrically conducting material also on said surface and in contact with said electrode and a layer of non-metallic separator material over the area of the electrode between said glass surface and said plastic interlayer and extending over a contiguous edge of said glass sheet.

2,584,860
SINK AND DECK ASSEMBLY
Andrew H. Galley, York Mills, Toronto, Ontario, Canada, assignor, by mesne assignments, to Luxene of Canada Limited, Toronto, Ontario, Canada, a company of Canada
Application August 3, 1949, Serial No. 108,279
In Canada June 8, 1949
10 Claims. (Cl. 4—187)



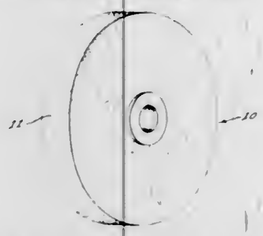
1. A sink bowl and deck structure comprising a unitary bowl formed of a corrosion-resistant alloy and provided with a continuous, marginal, outwardly projecting flange at its upper edge adapted to overlie the marginal wall of a sink deck opening and means for securing the bowl without permanent attachment to the deck comprising bearing plate members secured to the outer surface of the bowl below the plane of the deck, said plate members being provided with socket forming projections and of such dimensions as to pass through the deck opening, detachable brackets formed for slidable registration with the sockets and to have bearing engagement with the bearing member and clamping bolts carried by the brackets in position directly to engage the under surface of the sink deck and operative in cooperation with the bowl flange rigidly to secure the bowl in position.

2,584,861
METHOD OF SEPARATING ORGANIC CARBOXYLIC ACIDS FROM HYDROCARBON OIL COMPOSITIONS
Philip James Garner, Hooton, Wirral, and Barry Joseph Donovan, Wallasey, England, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 18, 1949, Serial No. 128,248. In Great Britain January 21, 1949
12 Claims. (Cl. 260—438)

1. A method of separating and recovering oil-soluble naphthenic acids from mineral oil refinery residues containing oil-soluble metal salts of naphthenic acids, which method comprises acidifying said mineral oil refinery residue to convert the oil-soluble metal naphthenates to oil-soluble naphthenic acids, contacting the acidified oil while dissolved in a light petroleum distillate fraction with an aqueous alcoholic solution of complex cupric ethanolamine sulfate, to produce an aqueous alcoholic solution of complex cupric ethanolamine naphthenates, separating the resulting aqueous and mineral oil phases, acidifying

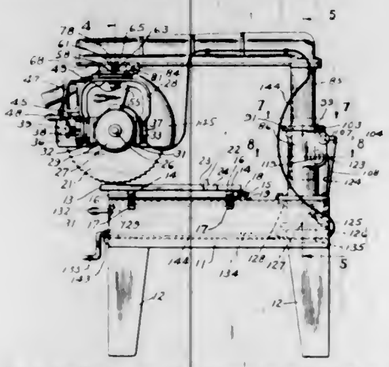
the separated aqueous phase and separating the resulting liberated water-insoluble naphthenic acids from the aqueous phase.

2,584,862
METHOD OF FORMING GRINDING WHEELS
Clifford L. Garrison, Adrian, Mich., assignor to Oliver Instrument Company, Adrian, Mich., a corporation of Michigan
Application October 1, 1947, Serial No. 777,279
1 Claim. (Cl. 51—295)



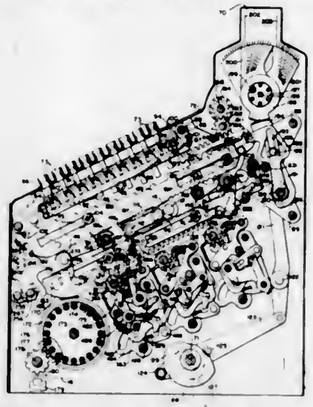
A method of reinforcing the surface particles of abrasive in a grinding wheel which consists in forcing a bar of Babbitt metal into engagement with the abrasive or grinding surface of said grinding wheel when the latter is in motion to remove metal from said bar and deposit a layer thereof upon said abrasive or grinding surface, whereby the surface particles of abrasive become partially surrounded with the Babbitt metal.

2,584,863
RADIAL SAW
Carleton Peck Gesner, New Haven, Conn.
Application November 26, 1946, Serial No. 712,275
3 Claims. (Cl. 143—6)



1. In a radial saw, the combination of a frame, a work supporting table on said frame, a cylinder, open only at its upper end, supported by said frame, a column freely slidable and rotatable in said cylinder, an arm fixed to the upper end of said column to positively move therewith and extending over said table, a circular saw mounted on the arm for movement lengthwise thereof, a dial collar having notches in its periphery rotatably mounted at and secured to the upper end of said cylinder against vertical movement in respect thereto and keyed to said column for rotation therewith, means in said cylinder to raise and lower said column in said cylinder and through said collar, means secured to said cylinder to engage the notches in said dial collar to lock the column in predetermined rotated position, means carried by said cylinder and entering the same to engage said column to lock it in any desired rotated and vertically moved position, actuating means for said column raising and lowering means, actuating means for said predetermined position column locking means, actuating means for said desired position column locking means, and means located outside of the front face of said frame for individually operating each of said actuating means.

2,584,864
ACCOUNTING MACHINE
Maximilian M. Goldberg, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application November 2, 1946, Serial No. 707,360
28 Claims. (Cl. 235—2)

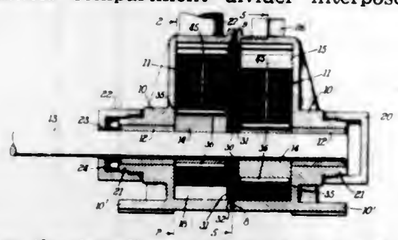


1. In a machine of the class described, the combination of a denominational order of digital elements; means to record and indicate the value of the effective digital element; means to drive the recording and indicating means; a primary differential member constructed and arranged to be positioned by the effective digital element; a pinion driven by the primary member; a primary lug integral with the primary pinion; a secondary differential member constructed and arranged to be positioned by the primary member; a pinion driven by the secondary differential member; a secondary lug integral with the secondary pinion; means to connect the differential members for complementary movement; means coacting with the connecting means to drive the members to cause the primary member and the primary lug to be positioned by the effective digital element to the complementary value thereof, and to cause the secondary member and the secondary lug to be positioned by the primary member to the true value of said effective digital element; and means including a pinion operatively connected to the driving means for the recording and indicating means, and lugs integral with said pinion, said lugs coacting with the primary and secondary lugs to position said driving means and the recording and indicating means in accordance with the true value of the effective digital element.

2,584,865
LIQUID PUMP
Ralph E. Gordinier, Quakertown, Pa., assignor to Economy Faucet Company, Newark, N. J., a corporation of New Jersey
Application May 31, 1947, Serial No. 751,595
3 Claims. (Cl. 103—4)

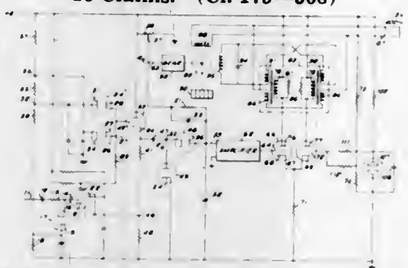
1. In a fluid pump, in combination, a pump shaft, a plurality of impellers engaging over the

shaft and adapted for pumping movement during shaft rotation, a pump housing including shaft trunnions, intake and outlet ports and a compartment for the impellers, a resilient deformable compartment divider interposed be-



tween the impellers, and rigid plates flanking the divider to compress and displace the material thereof into fluid sealing engagement with the compartment surface whereby the compartment may be hermetically partitioned into separate sub-compartments for each impeller.

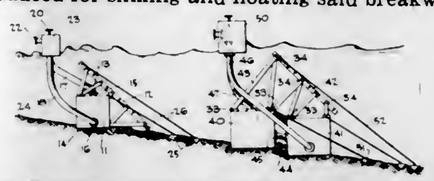
2,584,866
FREQUENCY MEASURING DEVICE
John W. Gray, White Plains, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application October 28, 1949, Serial No. 124,001
16 Claims. (Cl. 175—368)



1. A frequency measuring device comprising, a condenser having impressed thereon an alternating signal wave of a frequency desired to be measured, a rectifier connected between one terminal of said condenser and ground, a circuit comprising a second rectifier in series with a resistor connected between said condenser terminal and a source of positive potential whereby the current flowing through said second rectifier as a result of the varying charge of said condenser produces a potential drop in said resistor, a feedback loop including an amplifier having as its input terminal one terminal of said second rectifier, the output of said loop constituting said source of positive potential and indicating means for indicating the value of said positive potential.

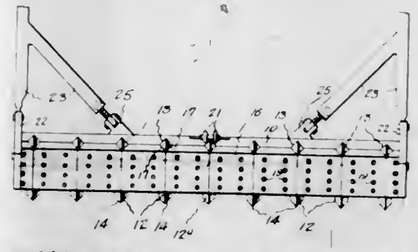
2,584,867
FLOATABLE BREAKWATER
Paul L. Guarin, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 25, 1949, Serial No. 123,483
4 Claims. (Cl. 61—5)

1. A floatable breakwater unit adapted to be towed to a pre-determined location and sunk on the ocean floor, said breakwater unit comprising an elongated flat-bottom fluidtight pontoon, a rigid water-pervious grid member, pivoted support means adjustable as to length and angular position for securing said grid member to said pontoon, said grid member projecting substantially upwardly from said pontoon at substantially a 45 degree angle to the horizontal to a point near the ocean surface, port means in said pontoon whereby a liquid and a gas may be alternately introduced for sinking and floating said breakwater



unit, flexible conduit means having one end thereof connected to said port means, coupling means at the other end of said conduit means, valve means in said conduit means adjacent said coupling means, and a buoyant member affixed to said conduit means for supporting said coupling and valve means above water at all times.

2,584,868
GRUBBING ATTACHMENT FOR TRACTORS
Taylor A. Guess, Kensington, Ga.
Application November 26, 1946, Serial No. 712,311
1 Claim. (Cl. 37—2)

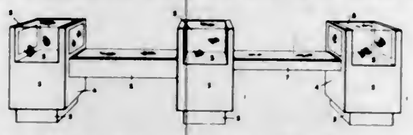


A grubbing attachment for tractors comprising a base plate having a plurality of channels extending transversely across the front face thereof, a plurality of teeth fitted in said channels, a plurality of teeth-retaining plates secured to the base plate intermediate the teeth, each plate having a pair of bevelled parallel side teeth-engaging edges, one retaining plate fitting between two spaced teeth to facilitate removal of the individual teeth, each tooth having rearward tapering sides fitting in the channels of the base plate and forwardly tapering sides, the forward tapering sides of each tooth being engaged by the bevelled teeth-engaging edges of adjoining teeth-retaining plates, means fastening the teeth-retaining plates upon the base plate to lock the bevelled edges of the plates in clamped relation upon the forward tapering sides of the teeth and to lock the rearward tapering sides of the teeth in the transverse channels of the base plate, said teeth and bevelled side edges of the retaining plates having interfitting lugs and sockets to lock the teeth against transverse movement across the face of the base plate, all of the plates extending flush with respect to each other and the plates defining a flat uninterrupted surface across the front of the attachment from the top to the lower edges of the plates to facilitate the shedding of material falling upon the front face of said plates.

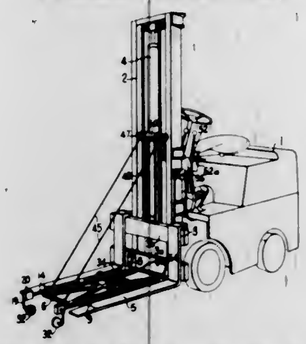
2,584,869
COMBINATION UNIT SHOWCASE
Robert Jay Gunder, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application June 6, 1946, Serial No. 674,690
1 Claim. (Cl. 312—114)

A composite show-case and display counter comprising a plurality of standard show-case

units formed with a transparent top, front and back and arranged at spaced intervals, pairs of rails connecting and separating said show-case units at standard distances and table cases having a transparent top having bottoms formed with grooves receiving said rails so that said table cases are firmly yet removably supported between said standard units and at substantially table height.



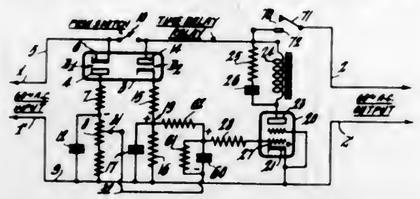
2,584,870
ATTACHMENT FOR FORK LIFT TRUCKS
John J. Hally, Columbus, Ohio
Application June 15, 1948, Serial No. 33,069
8 Claims. (Cl. 214—113)



1. In combination with a fork-lift truck having a guideway with a movable carriage thereon which supports projecting forks, a frame pivoted at one end to said carriage for movement about a horizontal axis from a horizontal position between said forks to a vertical position in contact with the carriage so as not to interfere with the normal functioning thereof, means mounted on the carriage for moving the frame between its two positions, spaced arms carried by the outer end of said frame and pivoted for movement towards each other, said arms carrying article-gripping jaws on their lower ends, means carried by the frame for swinging said arms towards and away fom each other and comprising hydraulic means and said means for moving the frame between its two positions comprising cables connected to the outer end of said frame and anchored to a drum carried by said carriage.

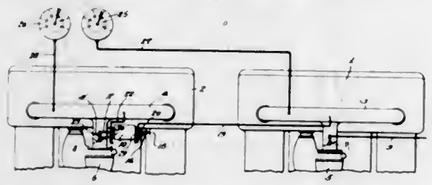
2,584,871
ELECTRONIC TIMER CIRCUITS
George D. Hanchett, Jr., Millburn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 28, 1946, Serial No. 679,988
6 Claims. (Cl. 250—27)

1. In an apparatus for controlling the conduction of pulsating current between a pair of alternating current input terminals, the combination of first and second rectifier circuits connecting said terminals, each said circuit including a serially connected rectifier and capacitor, said rectifiers being connected in said circuits in opposite polarity to conduct current between said terminals in opposite directions to develop across said capacitors voltages of opposite polarity with respect to one of said input terminals, an electron discharge device having an anode, a cathode and a control grid, means connecting said anode and said cathode to opposite ones of said input terminals to provide a path for pulsating current flow between said terminals, a third circuit connected between a



point of positive potential in said first circuit and a point of negative potential in said second circuit, said third circuit including a serially connected resistor and a third capacitor, and means connecting said control grid to the junction point between said resistor and said third capacitor.

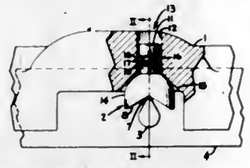
2,584,872
DUAL ENGINE MANIFOLD PRESSURE BALANCING DEVICE
Charlie B. Hart, Odessa, Tex.
Application July 18, 1946, Serial No. 684,627
2 Claims. (Cl. 60—97)



1. A dual engine manifold pressure balancing device for a pair of engines comprising a cylinder, heads at opposite ends of said cylinder, a piston slidably mounted in the cylinder, means for connecting the piston to a throttle valve on one of said engines, a tube connected to one end of said cylinder adapted to be connected to a manifold on one of said engines, a second tube connected to the opposite end of said cylinder adapted to be connected to a manifold on the second of said engines, a control valve in said first-mentioned conduit, a control valve in said second-mentioned conduit, each of said control valves being constructed to regulate the effective manifold pressures acting upon said piston whereby the manifold pressures of the engines are maintained in equilibrium and the control may be prevented from hunting by either of the control valves, and bleeder valves in each of said tubes for independently admitting air to each end of said cylinder.

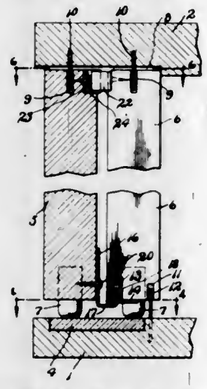
2,584,873
BEARING RETAINING MEANS
Norman E. Hart and William A. Guss, Toledo, Ohio, assignors to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application June 25, 1947, Serial No. 756,880
3 Claims. (Cl. 308—2)

1. In a device of the class described, in combination, a spherical seat bearing for receiving a knife edge pivot, said bearing having a shank with an annular recess of substantial breadth, a support containing a socket for loosely receiving the bearing, said socket having an outwardly opening conical portion and a portion of substantially constant cross-sectional shape, and a thin resilient member that is loosely engaged in



the recess of the shank as it frictionally engages the portion of said socket having a substantially constant cross-sectional shape for resisting the removal of said bearing from said socket.

2,584,874
SLIDING DOOR MOUNTING
William Haas, Grand Rapids, Mich., assignor to John Widdicomb Company, Grand Rapids, Mich., a corporation of Michigan
Application July 5, 1949, Serial No. 103,153
7 Claims. (Cl. 160—222)



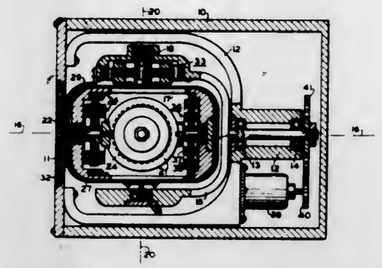
1. The combination with a cabinet having an open vertical side, of a closure therefor comprising, a sliding door, means for guiding the upper edge of the door, a plate having a flat hard upper surface located in the cabinet under the door, a bearing member attached to the lower part of the door and having sliding engagement with said flat hard surface, and means apart from said bearing member and hard surface for guiding said lower part of the door.

2,584,875
SOLID ACETYLENE
Rudolph Leonard Hasche, Johnson City, Tenn.
No Drawing. Application August 24, 1949, Serial No. 112,187
6 Claims. (Cl. 62—1)

1. Compressed solid acetylene encased in solid carbon dioxide.

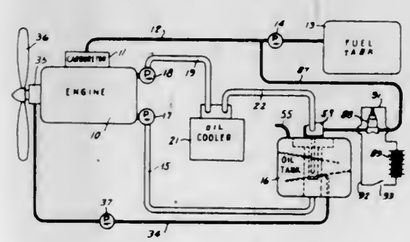
2,584,876
GYRO INSTRUMENT
Robert Haskins, Jr., Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application November 29, 1943, Serial No. 512,266
14 Claims. (Cl. 74—5.2)

1. A gyro vertical having a rotor case, a universal support for the rotor case including a main gimbal and an auxiliary gimbal mounted on said main gimbal for movement about an axis perpendicular to the axis of the main gimbal, said case being pivotally mounted on the auxiliary gimbal on an axis that is normally coincident with the axis of the main gimbal, a normally ineffective,



two part, electrical pick-off, one of whose parts is positioned by the rotor case and the other of whose parts is located on the auxiliary gimbal, and servomotive means operable to move said main gimbal about its axis responsive to the output of said pick-off upon tilt of the rotor case about its axis relative to the auxiliary gimbal.

2,584,877
OIL TANK AND SYSTEM
Allan C. Hoffman, Yellow Springs, and Walter H. Geddes and James D. Olcott, Dayton, Ohio, assignors to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio
Application April 30, 1945, Serial No. 591,182
22 Claims. (Cl. 123—196)



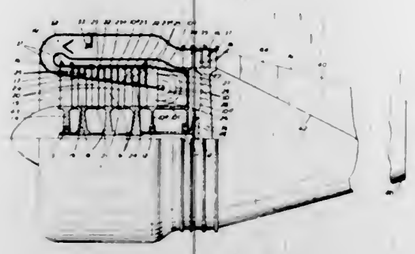
9. In an engine lubrication system, an oil tank, a first conduit leading from said engine to said tank and a second conduit leading from the tank to the engine, means dividing said tank into a hopper and a main section having a common outlet to said second conduit, a valve body mounted on said tank, an inlet in said body receiving the discharge end of said first conduit, valve means in said body for directing incoming oil at said inlet alternatively to said hopper or said main section of the tank or to divide the flow therebetween, all in accordance with the temperature of the oil, a source of diluent, a line leading from said source to said valve body, said diluent discharging into and mixing with the incoming oil at said inlet, selectively operable means for admitting the diluent, and continuously open small diameter passages between said inlet and said hopper and said main section of the tank for permitting a limited flow of diluted oil to both portions of the tank irrespective of the position of said valve means.

2,584,878

CONSTANT PRESSURE CYCLE CONTINUOUS FLOW COMBUSTION GAS TURBINE POWER PLANT

Alun Raymond Howell, Neath, England, assignor to Power Jets (Research and Development) Ltd., London, England, a British company

Application January 31, 1945, Serial No. 575,537
In Great Britain January 31, 1944
11 Claims. (Cl. 60—35.6)



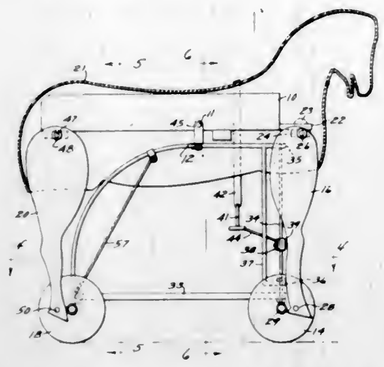
1. An internal combustion turbine power plant, for installation as an aircraft prime mover, operating on the constant pressure cycle with continuous flow; comprising an axial flow compressor, an axial flow turbine, combustion chamber means intermediate the compressor and turbine as regards the flow of working fluid, transfer duct means and turbine exhaust duct means terminating in jet reaction nozzle means; wherein the compressor comprises a rotor carrying rows of rotor blading, a stator casing carrying rows of stator blading, and rotor and stator shroud elements secured respectively to the rotor and stator blading, the rotor, stator casing and shroud elements together defining a contra-flow compressor flow channel, consisting of two coaxial annular portions nested within one another and intercommunicating through an annular cavity in the rear of the stator casing, the inner portion of the flow channel having a forwardly facing intake opening and constituting a low pressure compressor channel and the outer portion having a forwardly facing outlet and constituting a high pressure compressor channel, both channels being spanned by rows of the mentioned rotor and stator blading, the rows of rotor blading in the outer channel portion being connected to those in the inner channel portion by means of the rotor shroud elements and some at least of the rows of stator blading in the outer channel portion being connected to those in the inner channel portion by means of the stator shroud elements; and wherein the turbine comprises a rotor coaxial with and secured to the rear of the compressor rotor, turbine rotor blading carried by the turbine rotor, a turbine stator casing and turbine stator blading carried thereby; and wherein the compressor stator casing is nested coaxially within the combustion chamber means, through which the flow is from front to rear, the outlet of the outer (high pressure) portion of the compressor flow channel being connected to the front of the combustion chamber means by a part of said transfer duct means shaped to bring about a complete reversal of flow direction, and the rear end of the combustion chamber means being connected by another part of said transfer duct means with the turbine flow channel defined by the turbine stator casing and the turbine rotor, the direction of flow through the turbine being from front to rear.

2,584,879

OCCUPANT PROPELLED EXERCISING TOY HORSE

James D. Jacobs, Wauseon, Ohio

Application November 1, 1949, Serial No. 124,800
3 Claims. (Cl. 280—1.196)



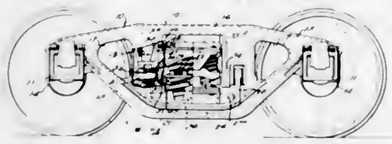
1. A toy exerciser comprising a frame, a rocking beam pivotally mounted intermediate of the ends thereof on the frame, wheels journaled in the frame for supporting the device, legs pivotally connected to the ends of the beam and eccentrically connected to the wheels, a body providing a cover for said beam and upper part of the frame, means pivotally mounting the wheels at the forward end of the frame in the frame, pedals suspended from the body, and means connecting the pedals to the wheels at the forward end of the body whereby the wheels may be turned by the pedals for steering.

2,584,880

SUSPENSION FOR RAILWAY TRUCKS

Robert N. Janeway, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application December 11, 1944, Serial No. 567,603
43 Claims. (Cl. 105—191)



1. A railway truck comprising a pair of spaced parallel side members, a pair of swing hangers, means mounting one swing hanger on one side member for providing angular movement of the said one swing hanger with respect to the said one side member about a pivot axis longitudinal of the said one side member, means mounting the other swing hanger on the other side member in similar fashion, and a plank mounted on the swing hangers for angular movement with respect thereto about pivot axes spaced from and parallel to the pivot axes of the swing hangers on the side members, the swing hangers, the mounting means, and the plank preventing substantial unsquaring of the side members and constituting the only means for this purpose, the means mounting the swing hangers on the side members being resilient transversely of the side members so as to provide angular displacement of the pivot axes of the swing hangers on the side members for accommodating limited resisted unsquaring of the side members.

2,584,881

GAFF HOOK

Charles E. Johnson and George O. Johnson, Portland, Oreg.

Application June 17, 1948, Serial No. 33,516
2 Claims. (Cl. 294—110)



1. A gaff hook of the class described comprising an elongated hollow handle, a pair of cooperating hooks pivotally and slidably attached by intermediate portions of their shanks to one end of said handle, a shaft movable on the interior of the handle and attached to the free ends of the shanks of said hooks for moving the hooks into open and closed positions, resilient means surrounding said shaft and having one of its ends secured to said shaft and its opposite end secured to said handle whereby movement of the shaft in one direction for opening said hooks will compress said resilient means, a pair of compressible dogs attached to said shaft and engageable with said handle upon said movement of the shaft in one direction for holding said shaft in a "hook-open" position, a second pair of compressible dogs carried by said shaft and engageable with said handle for locking said shaft in a position to resist the compressing of said resilient means, and means operable from the exterior of the handle for releasing said first mentioned pair of dogs from their engagement with said handle whereby said shaft under the influence of said resilient means will pull said hooks into a closed position and a second means exterior of the handle for releasing the second pair of dogs to effect the opening of the jaws.

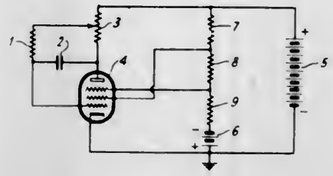
2,584,882

INTEGRATING CIRCUITS

Leonard Reginald Joffre Johnson, Middlesex, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application June 5, 1946, Serial No. 674,447
Section 1, Public Law 690, August 8, 1946
Patent expires December 20, 1964
8 Claims. (Cl. 250—27)

1. A circuit arrangement for integrating a voltage which comprises a source of voltage, a thermionic valve having anode-cathode impedance, an integrating circuit including a first impedance unit and a second impedance unit of a different kind of impedance, said source of voltage, said anode-cathode impedance and said two impedance units all being connected in series with each other, said valve having an input circuit and an output circuit, said first impedance unit being connected to apply voltage from said source through the first impedance unit to said input circuit, said second impedance unit being connected from said output circuit to said input circuit whereby it provides a negative feed-back path between said output circuit and said input circuit, whereby a voltage representing the time integral of the voltage of said source is developed in said output circuit, means responsive to current flow in said thermionic valve for generating a correcting voltage, and means for applying said correcting voltage to said integrating circuit so as to modify the integrated output of said circuit.

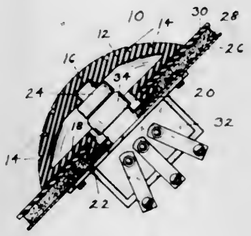


2,584,883

ACCESSORY FOR AUTOMOTIVE VEHICLES

Eugene J. Karsch, Sparta, Ill.

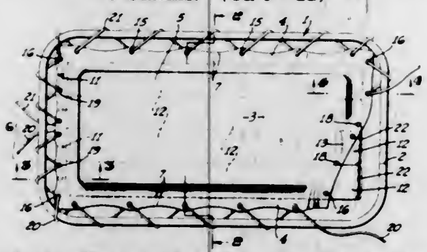
Application March 26, 1948, Serial No. 17,325
9 Claims. (Cl. 200—168)



7. A pressure-applying member that is adapted to be disposed adjacent a switch which has a reciprocable actuator alternately reciprocable to change current flow through said switch and that comprises a securing element that is adapted to hold said pressure-applying member adjacent said reciprocable actuator of said switch, and a pressing surface on said pressure-applying member that is adapted to overlie said reciprocable actuator of said switch, said pressing surface being so dimensioned and disposed relative to said reciprocable actuator of said switch that the portion of said pressing surface which is most distant from said surface adjacent the reciprocable actuator of said switch is in register with and overlies said reciprocable actuator of said switch, said pressing surface having a section of increased stiffness

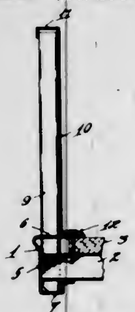
adjacent said most distant portions of said pressing surface, said section of increased stiffness being adapted to overlie and extend beyond the periphery of said reciprocable actuator of said switch to provide a pressure-applying area which is larger than the area of said reciprocable actuator, and a spaced that is removably disposable between said reciprocable actuator of said switch and said section of increased stiffness of said pressing surface of said pressure-applying member.

2,584,884
LIFE RAFT
Harold L. Kirby, Glendale, Calif., assignor, by direct and mesne assignments, to Helen V. Peez, Beverly Hills, Calif.
Application April 16, 1949, Serial No. 87,939
6 Claims. (Cl. 9—11)



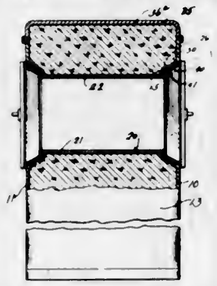
1. In a raft, a rigid, rectangular frame element formed of tubing and a float assembly mounted within the inner perimeter of said frame element and secured thereto by a lacing; said float assembly comprising a bag-like fabric casing of rectangular side outline and having flange portions extending along each side and each end thereof, an end member extending across and closing one end of said casing adjacent the inner edge of the flange at that end of the casing and having a series of openings extending therethrough, a slide fastener extending across the other end of the casing adjacent the inner edge of the flange at that end of the casing, and a plurality of separate, inflatable air cells contained in said casing; each of said cells having a valve stem protruding through one of the openings in said end member to permit access thereto externally of said casing.

2,584,885
PANEL FOR BOX TYPE VEHICLE BODIES
Henry E. Kruger, Galion, Ohio, assignor to The Perfection Steel Body Company, Galion, Ohio, a corporation of Ohio
Application March 27, 1947, Serial No. 737,551
1 Claim. (Cl. 296—28)



A box type of body for a cargo carrying vehicle, comprising a platform, sheet metal panels sustained and anchored, one respectively on each of the opposite sides and forward end margins of the platform to provide the walls for a box type of vehicle body, each panel having its lower longitudinal end laterally flanged, the flange extending inwardly of the box and bearing upon the platform, of arc form in cross-section to channel the underside for its full width with the free end thereof leading downwardly beyond the plane of the junction of the flange with the body of the panel to impingingly bear upon the platform when the panel is installed and anchored to the platform, the channel defining a space between its terminals at its opposite longitudinal sides which bear upon the platform for the reception of securing means protruding from the upper surface of the platform in a row linear of the channel.

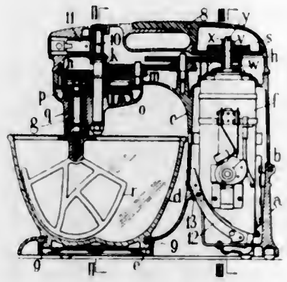
2,584,886
REFRIGERATOR CABINET
Mario Laguzzi, Long Island City, N. Y.
Application June 25, 1946, Serial No. 679,090
1 Claim. (Cl. 312—214)



In a refrigerator, the combination of vertically-extending outer walls having upper edges, two of said walls facing one another and provided with closure openings, with said openings being bordered by diagonally inturned flanges, a cooler casing disposed inwardly of said walls and having upwardly-extending casing walls and top and bottom casing walls, two of said upwardly-extending casing walls facing one another and, with the said two of said walls, defining openings aligned with the first-named openings, said last-named openings being bordered by diagonally outturned flanges extending toward the adjacent first-named flanges, and said top and bottom casing walls having flanges extending toward adjacent flanges of said two of said outer walls, a removable top for said refrigerator having downturned substantially vertical walls with their lower edges disposed upon the upper edges of said outer walls, removable heat and cold insulation material in contact with the inner face of said top, including said downturned walls, as well as in contact with the upper face of said top casing wall and the adjacent inner faces of said outer walls, means detachably connecting said flanges together comprising detachable fastening strips bridging the outer faces of said flanges and detachably secured thereto, closures for said openings and means hingedly connecting said closures to the opening-containing outer walls.

2,584,887
DOMESTIC MIXING APPARATUS
Roger Frederic Laurence, Guildford, England, assignor to Kenwood Manufacturing Company Limited, Old Woking, Surrey, England
Application May 16, 1950, Serial No. 162,267
In Great Britain May 24, 1949
3 Claims. (Cl. 259—102)

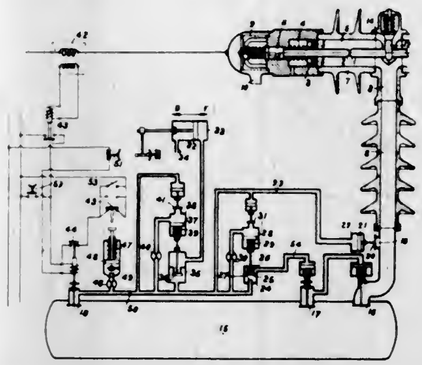
1. The combination with a domestic mixing apparatus of the type comprising a base member adapted to support a mixing bowl, a beater head extending upwardly from and overlying the base member, a motor shaft mounted to extend vertically within the beater head, an electric motor for rotating the motor shaft, a mixer spindle mounted in and projecting downwardly from the beater head and having its lower end receivable within the mixing bowl, and a transmission gear train drivingly connecting the motor shaft with the mixer spindle; of a clutch for alternatively connecting and disconnecting the drive between the motor shaft and the mixer spindle, said clutch comprising a pinion axially slidable upon and rotatable with the motor shaft and forming part of said gear train, a beaker seat upon the beater head for supporting a beaker



mixing mechanism in upright position, said motor shaft having its upper end projecting through and above the beaker seat, coupling means upon the projecting end of the motor shaft adapted to afford coupling engagement with a beaker mixing mechanism, spring means slidably urging said pinion into driving engagement with a gear of said transmission train and depressible means adjacent the beaker seat and operatively connected to the pinion for sliding the pinion in opposition to the spring means, whereby the operation of placing a beaker mixing mechanism upon the beaker seat in operative engagement with the coupling means on the motor shaft moves the pinion out of driving engagement with said gear train.

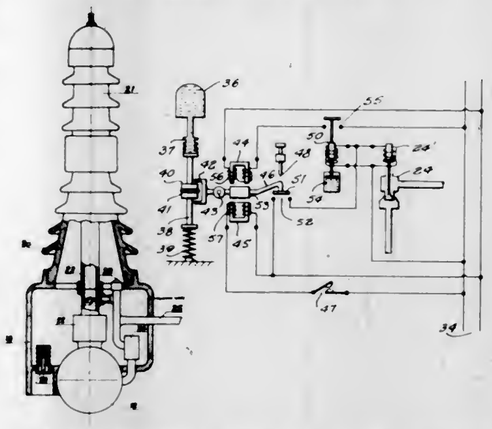
2,584,888
OPERATING MEANS FOR ELECTRIC SWITCHES
André Latour, Grenoble, France
Application January 23, 1947, Serial No. 723,726
In France December 4, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 4, 1962
4 Claims. (Cl. 200—82)

1. In a pressure gas switch comprising a stationary contact and a movable contact interconnected in an electric circuit, in combination, an enclosure structure surrounding an arc extinguishing chamber into which the contact making ends of said contacts extend, a cylinder adjacent said chamber, a piston reciprocable in said cylinder and rigidly secured to said movable contact for moving the same between a contact making position and a circuit break position and having one side intercommunicating with said chamber, conduit means for connecting said chamber to a blast pressure source to supply the extinguishing blast and to move said piston and said movable contact into circuit break position, said means including a valve for admitting gas emanating from said source to said chamber, and an exhaust valve in said cylinder for maintaining after the closure of said gas-admitting valve in said chamber a residual pressure



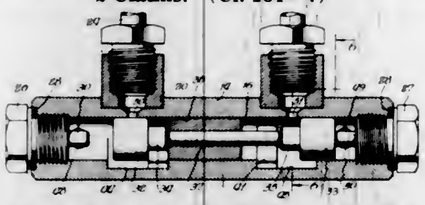
sufficient to keep said piston in circuit breaking position for a predetermined period of time.

2,584,889
DEVICE FOR PREVENTING HUMIDITY IN ENCLOSURES CONTAINING INSULATING PARTS
André Latour, Grenoble, France, assignor to Etablissements Merlin & Gerin, Grenoble, France
Application July 23, 1947, Serial No. 763,025
In France September 10, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 10, 1963
16 Claims. (Cl. 174—14)



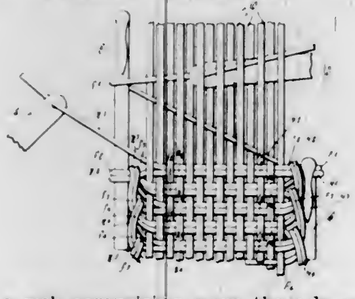
1. A dehumidifying device for circuit breakers or the like, comprising in combination, means for storing dry compressed air, said means forming a structural unit with the circuit breaker; an outlet connected to said storing means; an electromagnetically actuated valve arranged in said outlet and having an actuating winding; a duct connecting said outlet to a part of the circuit breaker to be dehumidified; a detention nozzle arranged at the end of said duct; an electric circuit for supplying current for said winding; a contact arranged in said circuit and adapted to be closed whenever a predetermined condition prevails; time-delayed relay means for interrupting said circuit; and means for starting the operation of said time-delayed relay means by a closure of said contact.

2,584,890
LUBRICANT MEASURING VALVE
John T. Leonard, Evanston, Ill.
Application June 7, 1946, Serial No. 675,240
2 Claims. (Cl. 184—7)



1. A measuring valve for centralized lubricating systems comprising a body having a cylindrical bore therein and having bypasses adjacent the ends of the bore, a pair of valve members respectively movable relative to said bypasses to open and close them, a piston reciprocable in the bore between the two valves, a rod extending through the piston and forming a rigid connection between the valves, lubricant supply ports respectively opening into the opposite ends of the bore, outlet ports opposite the bypasses, and seals cooperable with the outlet ports and movable by said pistons and valves respectively, said seals being of thin resilient sheet metal, being engageable with the walls of the cylindrical bore, and being adapted to be pressed against the wall of the bore adjacent the outlets by lubricant pressure so as to seal the ports when moved thereover by the piston.

2,584,891
NARROW WEB WITH LOCKED SELVAGE AND METHOD OF MAKING SAME
Carl F. Libby, Stoughton, Mass.
Application August 6, 1946, Serial No. 688,773
9 Claims. (Cl. 139—383)



1. In a web comprising warp threads and two weft yarns extending across the warp in alternate loops from opposite sides of the warp, selvages along both edges of the web in each of which the end portion of each cross-warp loop of weft yarn is knotted through a loop of some other yarn in the web and has the end portion of another cross-warp loop knitted through it.

2,584,892
METHOD OF MANUFACTURING SOUND RECORDING DISKS
William Edward Lord, Harlington, England, assignor to Electric and Musical Industries Limited, Hayes, England, a company of Great Britain
No Drawing. Application July 14, 1947, Serial No. 760,935. In Great Britain July 15, 1946
2 Claims. (Cl. 117—47)

1. A method of manufacturing sound recording discs comprising providing a synthetic resin base consisting essentially of polyvinyl chloride and 5–15% by weight of a plasticizer therefor, pressing a surface of said base to obtain a polished surface, and depositing on said polished surface a film from a cold solution comprising nitrocellulose, a plasticizer for said nitrocellulose, and a solvent combination consisting of 10–30% by weight cyclohexanone and the remainder being solvents for said nitrocellulose.

2,584,893
METHOD OF MAKING A TORTILLA FLOUR
William R. Lloyd, Austin, Tex., and Ricardo Millares Sotres, Mexico City, Mexico, assignors to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
No Drawing. Application December 6, 1951, Serial No. 260,318
4 Claims. (Cl. 99—93)

1. The method of preparing a tortilla flour, which comprises steeping whole corn in water containing an amount of lime in excess of that required to neutralize the acidity of the corn and leave a slight excess of lime in the corn, the steeping being carried out at a temperature below 100° C. for a sufficient period of time to bring the water content of the corn to between 35 and 50% by weight (wet basis), grinding the product resulting from this steeping step and while the product still contains between 35 and 50% of water by weight (wet basis), the grinding operation being conducted under such conditions as to cause development of the protein material in the corn, and drying the ground corn product at a temperature such that the product never reaches the gelatinization temperature of the starch content of the corn nor the temperature at which the protein content becomes denatured, the drying being continued until the moisture content of the dried product is less than 14% by weight.

2,584,894
TREATMENT OF FLUORIC EFFLUENTS TO OBTAIN MAGNESIUM SILICOFLUORIDE AND/OR HYDROFLUORIC ACID
Walter H. MacIntire, Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
No Drawing. Application October 28, 1949, Serial No. 124,258
9 Claims. (Cl. 23—88)

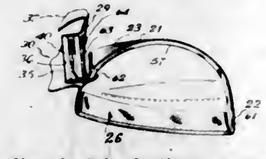
1. A process for the recovery of the fluorine content of fluoric effluents given off during the treatment of fluorine-containing materials which process comprises the passing of said fluoric effluents in contact with a bed of crushed mineral magnesium silicate, thereby forming magnesium silicofluoride.

2. A process as defined in claim 1, wherein the reacted mineral magnesium silicate is subjected to distillation from sulphuric acid to evolve hydrofluoric acid.

2,584,895
TREATMENT OF FLUORIC EFFLUENTS TO OBTAIN AMMONIUM FLUORIDE
Walter H. MacIntire, Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
No Drawing. Application October 28, 1949, Serial No. 124,259
5 Claims. (Cl. 23—88)

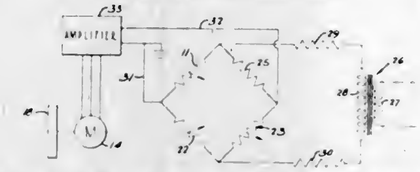
1. A process for the production of ammonium fluoride which comprises the passing of fluoric effluents in contact with mineral magnesium silicate, forming an aqueous solution of the resultant magnesium silicofluoride and reacting that solution with ammonia, and separating the ammonium fluoride thus formed.

2,584,896
LADY'S HEARING AID HAT CONSTRUCTION
Annabelle Maffris, Chicago, Ill.
Application January 19, 1949, Serial No. 71,730
12 Claims. (Cl. 2—185)



1. In a ladies' hat including a crown and having a pocket formed in the hat for housing a hearing aid instrument and permitting use thereof by the wearer of the hat, means for supporting the instrument comprising a relatively narrow internal stiffening truss secured to the hat, bent in an arch, substantially following the contours of the hat interior from front to rear, the crown of the hat being provided with a slit, said truss being inserted through the slit and passed at least partially about the pocket.

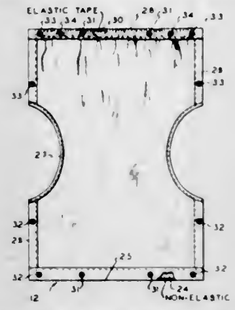
2,584,897
ELECTRIC COMPUTING MECHANISM
Salvatore M. Marco, Columbus, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application February 10, 1947, Serial No. 727,679
2 Claims. (Cl. 265—36)



1. In a device for computing from weight and price and indicating the cost of an article, in combination, a bridge circuit, a source of substantially constant current for energizing the bridge circuit, means for weighing the article, a rheostat operated by said means for inserting resistance proportional to the weight of the article into one arm of the bridge, a price setting mechanism for inserting resistance proportional to price into an opposite arm of the bridge, a constant resistance in another arm of the bridge, motor driven mechanism for inserting resistance into the fourth arm of the bridge, an electronic circuit for detecting unbalance in the bridge and for driving the motor driven mechanism to reduce the unbalance, and a cost indicator driven by the motor driven mechanism.

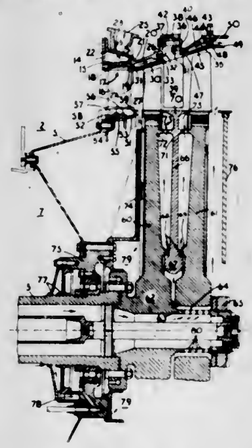
2,584,898
COMBINATION DIAPER AND MOISTURE-PROOF COVER
Margaret O. McConnell, Punta Gorda, Fla.
Application February 3, 1950, Serial No. 142,223
1 Claim. (Cl. 128—287)

An infant's garment comprising in combination a moisture-resistant cover generally rectangular in outline with its sides at right angles to its edges and arcuate cutaways along the side edges to provide leg openings, a similarly shaped diaper insert of slightly smaller size, cooperating fastening means on the front and back edges of the cover and diaper securing said diaper within said cover, one of said edges of said cover and diaper being slightly longer than the other to provide overlap, and cooperating fastening means on the side edges and the front and back edges of said



cover for securing the garment about an infant, and additional fastener portions on one of said last mentioned edges providing for size adjustment, said diaper having extra diaper cloth inserts secured between the leg openings to provide extra moisture absorption, one of said front and back edges of said cover having an elastic insert providing a snug fit about the infant.

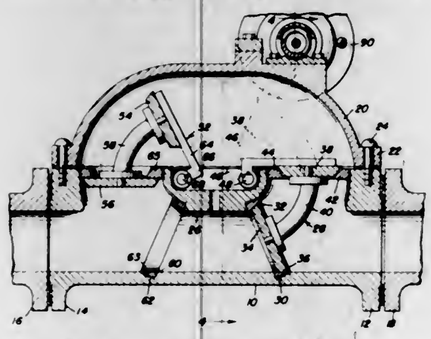
2,584,899
CONSTRUCTION OF STATOR ELEMENTS OF TURBINES, COMPRESSORS, OR LIKE MACHINES
Roderick Cristall McLeod, Leicester, England, assignor to Power Jets (Research & Development) Limited, London, England
Application January 14, 1946, Serial No. 641,146
In Great Britain January 23, 1945
12 Claims. (Cl. 253—39.1)



9. A multistage axial flow turbine, compressor, or like machine, especially an internal combustion turbine operating at high temperatures, comprising at least two stages of rotor blading mounted on a radially inner rotor to define the inner boundary of a working fluid passage through the blading; stator blading extending radially inwardly between said stages of rotor blading to constitute an intermediate stator stage in relation thereto, stationary structure annularly surrounding said rotor blading and comprising in

respect of two successive stages, each consisting of one stage of stator and rotor blading, successive ring units each substantially coextensive in the axial direction with one set of stator and rotor blading, successively adjacent ring units presenting therebetween root anchorages for mounting at least one stage of said stator blading, and shroud rings positioned respectively upstream and downstream of said stator blading and forming in conjunction therewith an axially continuous outer boundary of the working fluid passage, each shroud ring comprising a plurality of separate arcuate elements between which are expansion means and being supported in fixed concentric radial relation to said stationary structure by annular seating means at the upstream and downstream edges of the ring effective to afford uniform peripheral distribution of such support while allowing freedom of expansion to the elements of the ring in the peripheral direction.

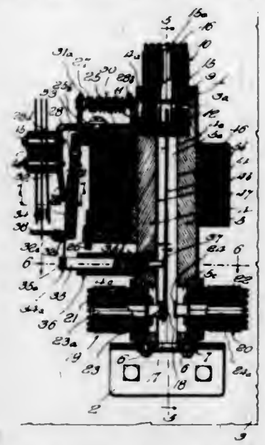
2,584,900
COMBINATION CHECK AND BLOCK VALVE
Cash O. Mefford, Sapulpa, and Granvel D. Massey, Tulsa, Okla., assignors of one-third to Harry W. Evans, Sapulpa, Okla.
Application March 18, 1949, Serial No. 82,082
7 Claims. (Cl. 137—144)



1. In a fluid supply conduit, a casing interposed in said conduit and having inlet and outlet ends and a centrally disposed web dividing the casing into two chambers, each of said chambers communicating with said inlet and outlet, valve seats formed in said web and in said casing, a check valve swingably disposed in said casing and including a pair of connected valve disks, said valve disks being gravity operated upon a decrease of pressure in the casing to close off the outlet end of the casing from said chambers, means swingably mounted adjacent the inlet end of the casing for closing off said chambers from the supply conduit, means for normally holding said last means out of closing placement, release means for said holding means responsive to a decrease of fluid pressure in the casing for releasing said holding means.

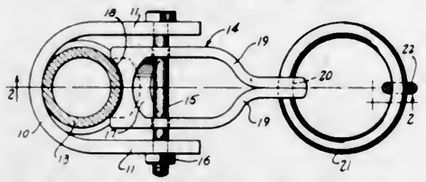
2,584,901
COAXIAL RELAY
Charles Frank Miller, Frederick, and Charles J. Murphy, Baltimore, Md., assignors to Price Electric Corporation, Frederick, Md., a corporation of Maryland
Application September 17, 1947, Serial No. 774,590
2 Claims. (Cl. 200—104)

1. A high frequency electrical switch comprising a pair of linearly extending coacting cavity members terminating in flat coplanar surfaces at each end thereof, said cavity members having semi-cylindrical internally aligned recesses at their upper ends, a sleeve of insulation material mounted in said internally aligned recesses and supporting an angularly displaceable switch arm extending centrally between said coacting cavity members, said cavity members being recessed at opposite sides thereof adjacent their lower ends, stationary contact members insulatingly mounted in each of the last mentioned recesses and directed toward each other on opposite sides of said angularly displaceable switch arm, contacts carried by said switch arm operative to establish make and break connection with said stationary contacts, a substantially U-shaped electromag-



netic frame structure having a portion thereof mounted in contacting relation against one of the external sides of one of said cavity members, an electromagnetic winding surrounding that portion of the substantially U-shaped electromagnetic frame structure which is disposed in contacting relation with the external side of said one of said cavity members and surrounding the cavity members, an armature movable with respect to said frame structure and controlled by said electromagnetic winding and a displaceable member operated by said armature and through one wall of one of said cavity members for moving said switch arm from one of said stationary contacts to the other.

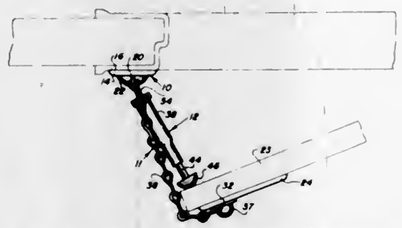
2,584,902
DEVICE FOR EXTRACTING PIPES FROM WELLS
George W. Miller, Cedars, Pa.
Application December 16, 1948, Serial No. 65,570
1 Claim. (Cl. 294—92)



A well tube extractor comprising a substantially U-shaped yoke having two straight parallel leg portions joined by a curved end portion, a pivot bolt passing transversely through and coupling said leg portions adjacent to the ends thereof remote from said curved portion, and a lever comprising a pair of spaced parallel elongated sides connected together at one end by a transverse wall which is inclined with respect to the

length of the lever, said members being pivotally engaged on said bolt adjacent said transverse wall, said wall being transversely curved to substantially conform to the curvature of a tube lying between the wall and the said curved end portion of the yoke, said inclined wall having one end edge disposed farther from the other ends of said members than its other end edge whereby there is provided an arcuate gripping lip, the said other end portions of said members being inset toward the longitudinal center of the lever, the said other ends of the members being inwardly curved to merge into contacting parallel interconnected extremities extending in the plane of the longitudinal centers of the lever and said yoke, said extremities being transversely apertured, and a coupling element engaged in the said aperture to facilitate oscillation of the lever on said pivot bolt.

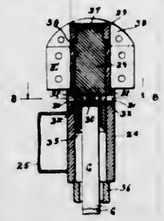
2,584,903
DOOR CHECK
Harold Vern Miller, Arlington, Va.
Application December 20, 1949, Serial No. 134,028
2 Claims. (Cl. 292—262)



1. A door check cooperating with a door member and a frame member to secure said door member in partly open position comprising a mounting plate adapted to be secured to one of said members; a latch plate adapted to be secured to the other of said members; a night chain of predetermined length connected at one end to said mounting plate and having a securing plate secured to its other end adapted to cooperate with said latch plate to removably secure said other end of said chain to said other member and thereby adapt said chain to limit the opening movement of said door member to an extent whereby disassociation of said latch plate and said securing plate is rendered impossible within the limited opening movement permitted; and a resilient axially expansible door stop having an axial dimension when fully expanded in excess of the limited opening permitted by said chain, one end swingably mounted on one of said members and its other end adapted to abut the other of said members and force the door open to the limited extent permitted by said chain whereby said chain and door stop cooperate to yieldingly secure said door member open to the limit of the opening movement permitted by said chain.

2,584,904
HINGE MECHANISM FOR SWINGING BARRIERS
James F. Monger, Chicago, Ill.
Application September 19, 1945, Serial No. 617,314
2 Claims. (Cl. 16—184)

1. In a hinge mechanism for a swinging barrier for a railway car, the combination with a pair of upper and lower fixed supporting brackets on the car, said upper bracket having a bearing cap formed integral therewith; of upper and lower tubular sleeves rigid with said barrier; an upper stub shaft rotatably mounted in and completely enclosed by said bearing cap of said upper bracket, said stub shaft having the upper end formed to receive a wrench and being telescoped at its lower end within the upper sleeve, said stub shaft being rotatably adjustable in said upper sleeve; means for locking said stub shaft to said upper sleeve in adjusted position with respect to said upper sleeve for rotation in

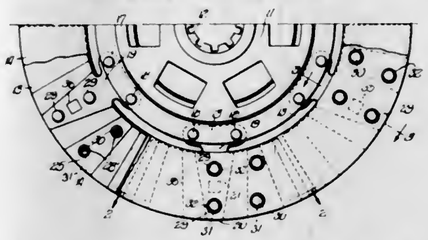


unison with said upper sleeve; an upstanding lower stub shaft rigid with said lower supporting bracket and projecting into said lower sleeve for rotatably supporting the same on said lower bracket; and a vertically extending torsion spring bar member connected at its upper end to said upper stub shaft for rotation in unison therewith and connected at its lower end to said lower stub shaft and locked against rotation with respect to the latter.

2,584,905
SURFACE REFLECTION MODIFYING SOLUTIONS
Harold R. Moulton and Edgar D. Tillyer, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
No Drawing. Original application November 6, 1944, Serial No. 562,126, now Patent No. 2,466,119, dated April 5, 1949. Divided and this application September 27, 1948, Serial No. 51,446
19 Claims. (Cl. 106—287)

3. A solution for use in modifying the light reflective characteristics of an article treated therewith comprising 90 to 100 parts by weight of a lower alkanol having one to four carbon atoms, and from 1.0 to 10 parts by weight of a tetra-halide excepting fluoride of a metal selected from the group consisting of titanium and tin.

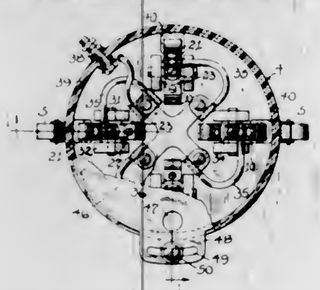
2,584,906
CLUTCH DRIVEN PLATE
Austin R. Narrin, Lake Orion, Mich., assignor to George I. Goodwin, Birmingham, Mich.
Application May 15, 1947, Serial No. 748,171
9 Claims. (Cl. 192—107)



1. In a clutch plate assembly, a supporting disk having circumferentially spaced cushion members of circumferentially undulatory out-

line secured thereto adjacent the periphery thereof, a single annular spacing ring independent of and separate from but concentric with said disk and of selected thickness and diameter, which ring is disposed on one axial side only of and in face-contacting engagement with said cushion members, with its inner periphery located outwardly of the outer periphery of said disk, and a pair of annular friction facings disposed concentrically of said ring in rotatively driving engagement respectively with the latter and with said cushion members, said cushion members, ring and facings being coordinately chosen in dimensions resulting in desired overall dimensions of the assembly, and means for securing the facings to said ring and cushion members, the maximum axial thickness of the assembled cushion members, spacing ring and facings at the axially engaging areas and in the fully compressed condition thereof being not in excess of the sum of the individual thicknesses thereof.

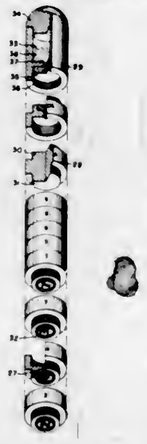
2,584,907
DISTRIBUTOR
Frederick Nelson, Lakewood, Ohio
Application December 16, 1950, Serial No. 201,180
7 Claims. (Cl. 200—19)



1. In a magnetically operated switching device a fluid-tightly sealed housing, a double acting switching member in said housing including stationary contact members, and a tiltable, bridge-like contact member adapted to selectively electrically connect the stationary contact members with each other, said bridge-like contact member including a magnet mounting a contact strip, contact posts electrically connected with said stationary contact members and said contact strip and fluid-tightly extended through the wall of said housing outside thereof, and magnetic means shiftably arranged outside of said housing adapted to effect shifting of the magnet to selectively connect the stationary contact members with each other when the magnetic means are shifted to predetermined positions.

2,584,908
HAND STAMP PRINTING DEVICE
William F. Oblinger, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application May 5, 1949, Serial No. 91,447
2 Claims. (Cl. 101—333)

1. A hand stamp printing device including, in combination, a plurality of like printing units each of which has a cylindrical body portion one end of the body portion containing an internally threaded cavity conventric with the cylinder axis and the other end having a section with reduced diameter which is externally threaded and which has a cavity for holding a printing element, said externally threaded portion and the printing element cavity being concentric with the cylindrical axis, and said units being proportioned so they may be assembled, in any order, by screwing the reduced end of one unit into the interally threaded cavity of another, to form a stick-like handle with one end unit having its printing element cavity exposed, each unit having a porous resilient printing element secured in the cavity provided therefor and extending beyond the rim thereof slightly so it may be used, said units being proportioned so that when assembled together the printing element of one does not touch the bottom of the unit into which it is screwed; and a re-inking unit adapted to be secured to an end unit having its printing element exposed,

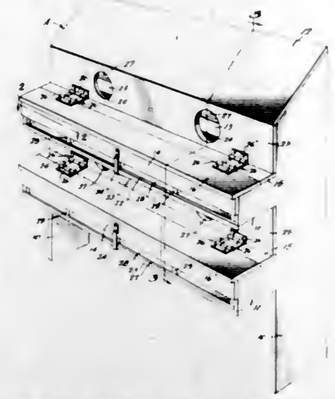


said re-inking unit containing an ink pad which, when the re-inking unit is so secured to an end unit, makes contact with the printing element thereof; and an adapter member of cylindrical form but with an externally threaded reduced portion on each end of a size to fit into the internally threaded cavity of any other unit, said adapter being used as an intermediate member of the stick-like assembly, all the printing units on one side thereof being oriented in one direction and all printing units on the other side thereof being oriented in the other direction, whereby the end printing units of such an assembly have the printing elements directed outwardly, one to be available for printing and the other available for having the re-inking unit secured thereto.

2,584,909
POULTRY NEST
Leo Ockenfels, Watkins, Iowa
Application October 15, 1948, Serial No. 54,798
4 Claims. (Cl. 119—45)

1. A poultry nest comprising a casing providing at least two superposed nest compartments and providing also at least two superposed egg compartments each communicating at its rear with a nest compartment, a screen supported at an inclination below each of said nest compartments and extending forwardly under the egg compartment communicating therewith, a tray member hinged at its rear to said casing below each nest and extending forwardly below the nest and egg compartment communicating with the nest compartment in a position substantially parallel with the screen, and a closure plate hinged at its bottom upon said casing and extending between the lowermost nest and the tray member thereabove to support said tray

in said parallel position, said closure plate having an entrance opening therein and being adapt-



ed to be swung downwardly to permit the lowering of the tray member thereabove.

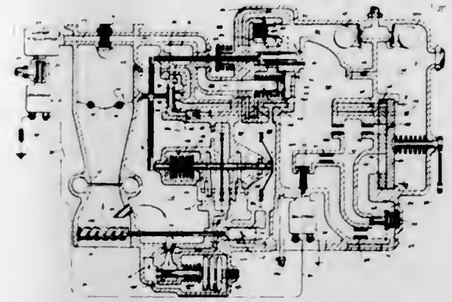
2,584,910
MEANS FOR DISSOLVING SOLUBLE SOLIDS IN LIQUIDS
Clarence H. Ohlwiler, Southbridge, Mass.
Application November 2, 1949, Serial No. 125,132
1 Claim. (Cl. 23—272.6)



Apparatus for dissolving a soluble solid material comprising a container receiving a solution of said material, a cylindrical base support having its lower end positioned on the bottom of the container to retain said support in an upright position, said base support having a slot extending through a side wall thereof from said lower end, said slot forming an outlet adjacent said bottom communicating with the inner bore of the base, and a relatively large funnel-shaped holder having a hollow stem extending within the bore of the cylindrical support and being so dimensioned that the upper edge thereof is located below the top of the container an amount sufficient to permit the solution in the container to be at a level above the upper edge of the funnel-shaped holder, said funnel-shaped holder having a straining member therein overlying the hollow stem thereof.

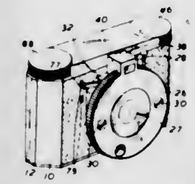
2,584,911
PRESSURE CARBURETOR
Andrew William Orr, Jr., Detroit, Mich., assignor to George M. Holley and Earl Holley
Application March 17, 1947, Serial No. 735,273
7 Claims. (Cl. 261—18)

1. A pressure carburetor having a fuel supply under pressure, a fuel passage connected thereto and leading to said carburetor, a fuel restriction in said passage, an air entrance to said carburetor, a venturi in said air entrance, an air diaphragm, a pressure chamber on one side of said diaphragm connected to said air entrance, a suction chamber on the other side connected to the throat of said venturi, a passage forming the connection, a valve located in said passage, a bellows chamber freely connected to the throat of said venturi, a completely evacuated bellows located in said bellows chamber and connected to said valve so as to reduce the suction effect of said venturi at high air flows and at high altitudes, a temperature responsive element in said air entrance, a fuel diaphragm, a pressure chamber on one side of said diaphragm connected to the pressure upstream from said fuel restriction, a depression chamber on the other side of said diaphragm connected to the downstream side of said destriction, an additional passage from the upstream to the downstream side of said fuel restriction, an automatic valve in said additional passage, open-



ing means therefor responsive to the pressure differences across said fuel diaphragm, a bypass from the pressure to the depression side of said fuel diaphragm, a valve in said bypass connected to the said temperature responsive element, a fuel control valve in said fuel passage, control means therefor connected to both fuel and air diaphragms so as to maintain at moderate airflows a substantially constant fuel/air ratio independent of temperature changes and whereby the air flow at which the automatic valve opens is greater at low temperatures than at high temperatures.

2,584,912
CAMERA
William James Graham Palmer, Surbiton, England
Application August 6, 1947, Serial No. 766,501
In Great Britain July 14, 1947
3 Claims. (Cl. 95—11)



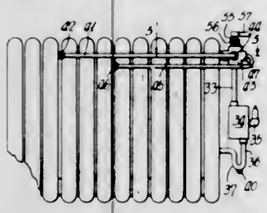
1. A roll-film photographic camera for 35 mm. or smaller films comprising a two-piece case, one piece of said case forming a front wall, peripheral walls and at least one marginal portion of a back wall and the other piece completing with said marginal portion the back wall of said case, a slot in said case terminating in an opening in said front wall and in an opening in said back wall formed partly in each of said two pieces of said case, a view finder comprising optical elements housed in a casing of the same cross section as said slot and mounted to slide therein, a camera lens, a mount for said lens depending rigidly from said view finder casing, a further opening in the front wall of said case and a tubular rearward extension of said mount mounted to slide in said further opening.

2,584,913
METHOD OF COILING ARTICLE ATTACHED STRING
Frank P. Parish, Taneytown, Md., assignor to Sanitary Products Corporation, Taneytown, Md., a corporation of Illinois
Application July 3, 1950, Serial No. 171,969
31 Claims. (Cl. 28—21)



1. The method of disposing a length of article-attached pull string in folded and set form relation with respect to the article to which it is attached, comprising the steps of placing the loose portion of the string in linear extension away from the article, and, while so disposed, coiling the string against and upon the article.

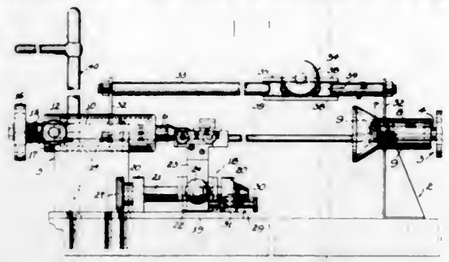
2,584,914
RADIATOR DESIGNED TO PERMIT REGULATION OF ACTIVE HEAT RADIATION SURFACE THEREOF
Eric S. Paternoster, Queens Village, N. Y.
Application December 21, 1949, Serial No. 134,317
6 Claims. (Cl. 237—70)



2. A steam radiator comprising, a plurality of interconnected vertically elongated annular passes, the first of said passes being provided with a steam inlet, a plurality of air vent pipes, each communicating with a different pass of said radiator, a valve casing into which said vent pipes lead, a valve member in said valve casing for permitting flow through one of said vent pipes into said casing and preventing flow from others of said vent pipes into said casing, a separating chamber communicating with said valve casing, a line provided with a liquid seal leading from said separating chamber to said radiator, and a thermostatic air valve on said separating chamber for flow therethrough of air vented from said radiator into the separating chamber

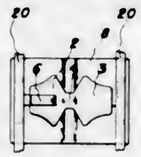
2,584,915
BOWLING PIN REFINISHING LATHE
Leopold Pogacsnik, Cleveland, Ohio
Application August 13, 1947, Serial No. 768,415
4 Claims. (Cl. 144—2)

1. In a wood working lathe a frame, a headstock, a tailstock, and a tool post member, said tool post member including a base member secured to said frame, a screw member swiveled to said base member in parallel relation with respect to the longitudinal axis of the lathe, a cylindrical bearing member axially threaded upon said screw member, and a tool post journaled on the cylindrical surface of the bearing member to swing in



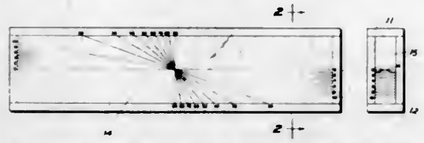
a plane angularly related to the axis of said screw member.

2,584,916
METHOD OF MAKING DIE-CAST SLIDERS
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application November 15, 1945, Serial No. 628,753
5 Claims. (Cl. 18—55)



1. The method of making die-cast sliders for slide fasteners of the type having a pair of overlying spaced-apart wings joined at one end by a neck so as to provide an interior Y-shaped channel, which comprises die-casting a pair of slider-forming wings arranged angularly relative to one another, said wing portions being integrally connected together by a thickened substantially diamond-shaped neck portion integrally cast therewith and each of said wing portions having marginal flanges integrally cast therewith on their opposed faces and then bending said wings toward each other at said neck portion to overlying substantially parallel position to form the slider whereby said neck portion is work-hardened as a result of said bending.

2,584,917
LEVEL
Edward D. Powell, Middleboro, Mass.
Application October 9, 1950, Serial No. 189,115
2 Claims. (Cl. 33—206)



1. A universally transparent contact leveling instrument of the kind described, comprising an elongated rectangular container composed of transparent planar top, side, end and bottom panels, said top, bottom or either end panel selectively serving as a base for said level when in use, said container holding an indicating fluid filling one-half the volume of the container, fluid angle indicating lines radiating from a central zero point on each of said side panels and intersecting the side edges of said panels, and complemental indicating lines on said top and end panels joining the ends of corresponding, opposite radial indicating lines on the two side panels, whereby the angle of a given surface may be accurately read from any desired viewing angle and said instrument may be leveled from front to back for accurate fluid level indicating by the radial lines.

2,584,918
ELEVATOR CONVEYER TRUCK
Anastasio Puig Salsas, Badalona, Spain
Application October 31, 1949, Serial No. 124,530
In Spain November 29, 1948
2 Claims. (Cl. 214—65.5)

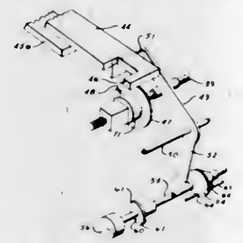


1. A device for elevator conveyor trucks of the type including movable jaws in the form of forks to embrace an object to be lifted, said forks including front portions arranged to form an open angle with the rear portions thereof and having cavities facing one another, flat cross-heads on the ends of said rear portions, said cavities being so formed that the front ends of the same tend to automatically embrace the object when the same pushes said flat cross heads provided in the ends of the said rear portions in longitudinal direction, coupling means for the object at said ends arranged to cooperate with superficial irregularities of the object and intermediate points of rotation for the said forks in combination with spring means normally biasing the front portions to separated position.

2,584,919
PULVERENT ASPHALTIC COMPOSITION
Harold B. Pullar, Magnolia, Ark., assignor to Berry Asphalt Company, Magnolia, Ark., a corporation of Illinois
No Drawing. Application June 28, 1949, Serial No. 101,925
3 Claims. (Cl. 106—281)

1. A pulverulent storage-stable asphaltic composition composed essentially of from 25% to 75% by weight of powered asphalt having a penetration of less than about 5 at 77° F. substantially all of which will pass a 40 mesh sieve, and from 25% to 75% by weight of finely-divided barium sulfate substantially all of which passes a 325 mesh sieve.

2,584,920
ALARM CONTROL FOR ALARM CLOCKS
Rudolph J. Rahn, Dayton, Ohio
Application June 11, 1947, Serial No. 753,930
8 Claims. (Cl. 58—21.15)



1. In a clock, an alarm device including a controlling member movable to an operative position or to an inoperative position, a cam to retain said member normally in said inoperative position and to release the same for movement to said operative position when said cam is in a predetermined position, means for moving said cam through one complete rotation in each twenty-four hour period, means for adjusting said cam to determine the time at which said movable member will be released, means including a manually operated push rod to restore said movable member to said inoperative position after it has been released by said cam, an arm pivotally supported at one end and having adjacent its other end an opening to receive said push rod, said push rod having a part movable to a position to connect said arm and said rod for movement in unison, and a second cam rotating in timed relation to the first mentioned cam and having a part to move said arm in a direction to retract said push rod.

2,584,921
MEANS FOR COUNTERBALANCING A PIVOTED ARM OR MEMBER
David W. Rawnsley, South Kensington, London, Edward Ramsay Green, Guildford, and John George Gill, Rotherham, England
Application February 10, 1949, Serial No. 75,686
In Great Britain February 13, 1948
5 Claims. (Cl. 74—592)

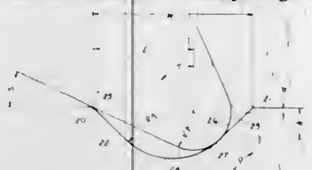


1. A device of the character stated for compensating for variations in torque comprising an arm pivotally supported at one end to swing about an axis, a sector coupled with the arm to extend oppositely to the arm and having a periphery turning concentric with said axis, means for swinging the arm from an upright to a depending position, a loading spring anchored at one end at a point remote from the sector, and a cable attached at one end to the other end of the spring, said cable having its other end attached to the periphery of the sector to be wound thereon against the resistance of the spring when the arm is swung from said upright to said depending position.

2,584,922
UNIVERSAL REPRODUCING STYLUS
John Drysdale Reid, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application July 20, 1949, Serial No. 105,696
1 Claim. (Cl. 274—38)

In a sound reproducing device of the type which includes a tone arm and means secured to the tone arm for generating electrical signals representative of sound as modulated on any one of

a plurality of distinct types of record discs having laterally modulated V-shaped grooves, said



grooves terminated in a bottom radius and having average dimensions approximate as follows:

First, a large groove type having an 88° included angle, a groove width of 0.006 inch and a bottom radius of 0.0023 inch,

Second, a fine groove type having a groove angle of 85°, a groove width of 0.00275 inch and a maximum bottom radius of 0.00025 inch,

Third, a fine groove type having a groove angle of 87°, a groove width of .00285 inch and a maximum bottom radius of .0002 inch,

a vibration translation device for controlling said signal generator in accordance with said modulations comprising a stylus having a tip with a radium R_p and a groove shoulder contacting portion, and mounting means for so supporting said stylus at an angle with respect to the plane of any one of said grooves so that the tip of said stylus contacts the side of that one of said grooves having the largest included angle at a point not lower than the line of tangency between its arcuate bottom and its side and so that the tip of said stylus contacts the smallest one of said grooves at a point below its shouldered top, the other groove contacting portion of said stylus always contacting the shouldered top of any groove with which it is employed on the side opposite to the side contacted by the tip, the slope angle and the radius R_p of said stylus being chosen from points plotted within a triangular area on a frame of Cartesian coordinates, said area being bounded by the axis of ordinates and by the intersecting loci of the following equations:

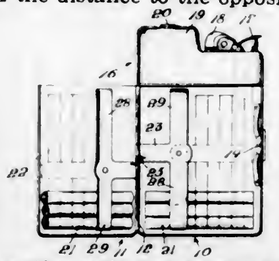
$$(1) \qquad R_p \text{ in mils} = \frac{4.7 \operatorname{Sin} S - 1.3 \dfrac{\cos S}{\tan G/2}}{(1 - \operatorname{Sin}(46.50 - S}$$

$$(2) \qquad R_p \text{ in mils} = \frac{2.5}{.7660 - \dfrac{.6428}{\tan S'} + \dfrac{1}{\operatorname{Sin} S'}}$$

the values R_p and S being plotted as abscissae and ordinates respectively, to define the locus for equation (1), the values R_p and S being respectively plotted in the same manner to define the locus for equation (2), wherein R_p is equal to the radius of the tip of said conical stylus, S is equal to the angle between the side of the stylus and the plane surface of the record type with the largest angled groove, and S is equal to the angle between the side of the stylus and the plane surface of the record type having the smallest angled groove.

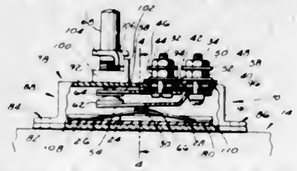
2,584,923
CIGARETTE CASE RETAINING ARM
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Co., a corporation of Massachusetts
Application June 7, 1949, Serial No. 97,525
1 Claim. (Cl. 206—41)

A cigarette case comprising a pair of generally rectangular body sections having hinge eyes along one edge, a hinge pintle through said eyes, one of said sections being of shallow dish formation and of a dimension in one direction substantially equal to cigarettes of one length for receiving the same and of a dimension in a right angular direction substantially equal to cigarettes of a different length for receiving the same, and a cigarette retaining arm hinged on said pintle at one edge of said dish section and extending at substantially right angles thereto a portion of the distance to the opposite parallel



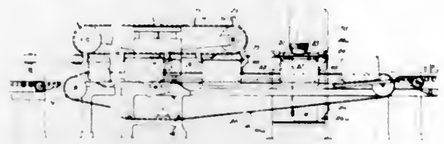
edge of the section, said arm having branches at its end extending at right angles thereto and a finger pivoted to the arm to extend the remaining distance to the opposite edge and swingable to be positioned at an angle to said arm and along either of said branches in underlying relation therewith, said branches and finger having longitudinally extending ribs throughout the length thereof for interlocking engagement of the ribs and recesses between the ribs when the finger and either of the branches are in aligned underlying relation.

2,584,924
THERMOSTAT
Frank Reingruber and Joseph Reingruber, New York, N. Y.
Original application March 20, 1943, Serial No. 479,860. Divided and this application October 26, 1945, Serial No. 624,674
6 Claims. (Cl. 200—137)



1. In a thermostat, a housing, a base plate closing the interior of the housing, a bar having a relatively high coefficient of expansion secured at one point to the base plate and free to expand from said point, a member at the centre thereof spaced away from the bar and having a relatively low coefficient of expansion, said member bent to form a platform at the centre thereof and a normally straight leg at each side extending down from the platform at an angle thereto, each leg of equal length and secured at its end to the bar and normally unbent between the platform and its connection to the bar, a make and break switch comprising two tensioned elements, a pair of terminal electrodes on the housing, one of said elements secured to one electrode and tensioned against the platform and a calibrating member on the housing, the other of said elements secured to the other of said electrodes and tensioned against said calibrating member, each leg, upon expansion of the bar, being bent concavedly downward toward the bar whereby the platform is moved downward in a straight line toward the said bar.

2,584,925
MACHINE FOR CLOSING CARTONS
Arthur E. Rideout, Chicago, Ill., assignor, by mesne assignments, to Emhart Manufacturing Company, a corporation of Delaware
Application June 9, 1948, Serial No. 31,911
9 Claims. (Cl. 53—140)



2. In a machine for closing cartons having a separate lid with marginal flaps, the combination of means for advancing the carton, means arranged alongside the path of the carton for closing and sealing the marginal flaps along the edges of the lid parallel with the path of movement of the carton, means for thereafter advancing the carton in a direction parallel with the edges of the unsealed flaps, and means during such advance of the carton for closing and sealing said flaps.

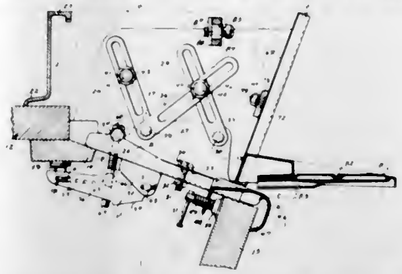
2,584,926
PLUNGER FOR INFLATING PUMPS
Herman Jan Walter Roll, Dorridge, England, assignor to The Birmingham Small Arms Company Limited, Birmingham, England, a British company
Application July 28, 1950, Serial No. 176,386
In Great Britain August 5, 1949
4 Claims. (Cl. 309—4)



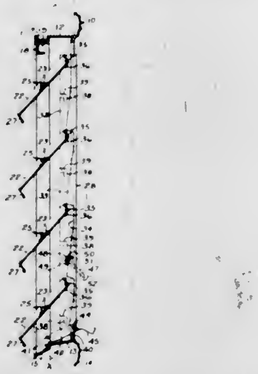
1. A plunger for inflating pumps having a cylindrical barrel in which is mounted for reciprocation a hollow tube constituting a plunger rod to which the plunger is adapted to be secured, wherein the plunger comprises a cup-shaped washer having an axial hole terminated by a re-entrant groove, an integrally formed stud portion projecting from the groove and co-axially disposed in relation to the hole in the washer, a flanged cup member fitted to the end of the plunger rod engaging with the groove and stud portion, and a disc mounted on the plunger rod adapted to engage with and constitute a support for the rear end of the washer.

2,584,927
BASE CONSTRUCTION FOR DISPENSERS
Frank E. Sanborn, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application November 22, 1946, Serial No. 711,489
11 Claims. (Cl. 248—360)

1. In a soda fountain bar having syrup jar supporting means adjacent one edge of a counter and including two parallel laterally spaced members arranged to support a row of coaxially disposed syrup jars, the improvement of a drink dispenser supporting base adapted to be supported on said two spaced members, said base including bridge means spanning the space between said two members, and said bridge means having at each end adjustable clamping means for obtaining a selectively variable clamping purchase on said two parallel spaced members.



2,584,928
LOUVER TYPE WINDOW
Bernardino Santos, Rio Piedras, P. R.
Application July 29, 1948, Serial No. 41,267
5 Claims. (Cl. 20—62)

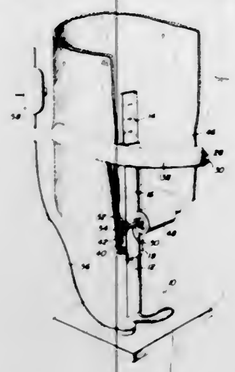


3. In a louvre type window, a frame adapted to be mounted in a window opening, a plurality of slats pivotally mounted in said frame and arranged in spaced apart relation, an operating bar pivotally connecting each of the slats for pivotal movement about their axis in unison, said operating bar being formed of extruded metal to provide a pair of spaced longitudinal guide ribs, a locking bar slidably mounted between the spaced ribs, an operating lever for said operating bar pivotally mounted on said frame and a control crank carried by said operating bar, a bearing opening in said sliding locking bar and said control crank engaging said opening in said sliding locking bar for operating said sliding locking bar, said sliding locking bar having a series of slots adapted to interlockingly engage the pivots of said slats.

2,584,929
HEM MARKER
Dora Sewell, Canal Point, Fla.
Application September 19, 1949, Serial No. 116,497
12 Claims. (Cl. 33—9)

1. A hem marker comprising a support, a first elongated horizontal and hollow jaw held stationary on said support, a heating unit within said first jaw, a second elongated horizontal jaw mounted on said support for vertical swinging movement toward and away from said first jaw, means forming a connection between the jaws

and yieldingly urging said jaws apart, and means carried by the support and operatively connected



to the second jaw for urging the second jaw toward the first jaw.

2,584,930
OIL BASE DRILLING FLUID
Henry Shinouda, Cairo, Egypt, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 28, 1949, Serial No. 129,875. In the Netherlands December 10, 1948
5 Claims. (Cl. 252—8.5)

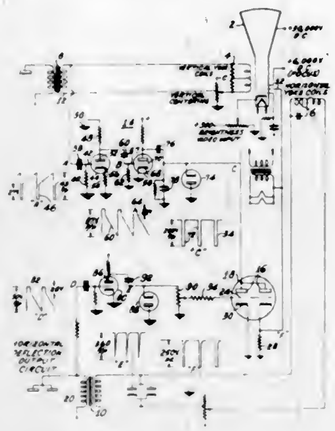
1. An oil-containing drilling fluid for wells, comprising a substantial quantity of an aromatic mineral oil, a finely divided weighting material dispersed in said fluid, and from 1 to 20% by weight of the oil of a micro-crystalline paraffin wax suspended in said oil.

2,584,931
FLUSH TANK LEVER
Harry F. Smith, Lexington, Ohio, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio, a corporation of Ohio
Application July 27, 1949, Serial No. 107,071
6 Claims. (Cl. 4—67)



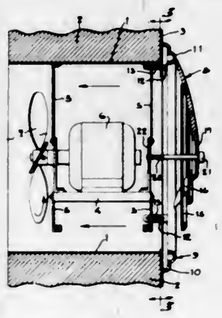
1. A flush tank lever comprising an integral resilient rod having substantially parallel inner and outer oppositely extending end portions and an intermediate portion to extend through a hole in the wall of a flush tank, said intermediate portion forming obtuse angles with said end portions, the inner end portion of said rod being adapted to engage with a flush valve mechanism, a handle slidable endwise onto the outer end portion of said rod and resilient means engaging said rod and urging the intermediate portion thereof endwise toward the interior of the tank and the handle toward the outer surface of the tank.

2,584,932
TELEVISION KINESCOPE PROJECTION CIRCUIT
Richard F. Snyder, Oreland, and William S. Lee, Ivyland, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application July 16, 1949, Serial No. 105,254
6 Claims. (Cl. 315—20)



1. A self-protective voltage supply arrangement for a cathode ray tube comprising a source of fixed potential, an electron translating device having at least a plate, a grid and a cathode, a first source of voltage waves suitable for use in the deflection circuits of the cathode ray tube, means for coupling said source to said grid to control the conduction of the translating device, a second source of voltage wave suitable for use in deflection circuits of the cathode ray tube, means for coupling said second source to the plate of said translating device, and an impedance connected in the cathode circuit of said translating device and means for connecting the potential appearing across said impedance to an electrode within said cathode ray tube.

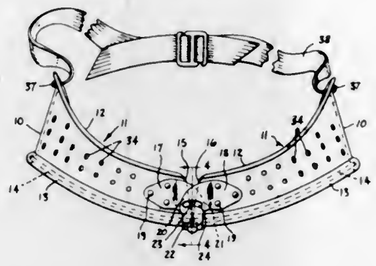
2,584,933
GRILL FOR VENTILATING FANS
Walter A. Spear, Cincinnati, Ohio, assignor to NuTone, Inc., Cincinnati, Ohio, a corporation of Ohio
Application January 14, 1950, Serial No. 138,605
4 Claims. (Cl. 98—116)



1. In a ventilating fan of the type comprising an air duct member adapted to be installed in a building wall, and a fan unit disposed within the said duct member to effect the flow of air therethrough, a grill comprising a frame adapted to reside facially against the building wall in which the said duct is installed, over the end of said duct, said frame member having the central opening therein corresponding approximately in size to the end of the duct, a lattice member having a central hub and having arms extending radially therefrom, the said frame having socket depressions therein constituting seats for the extremities of said arms, the said lattice member being demountably associated with said frame member over the central opening therein, and adjustable means confined within said hub for holding said arms in abutment against the socket depressions of said frame member.

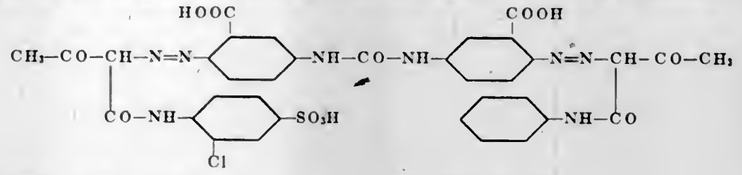
2,584,934
EYE PROTECTION DEVICE
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 17, 1947, Serial No. 722,481
6 Claims. (Cl. 2—14)

1. An eye protection device of the character described comprising a flexible wall portion shaped to extend above both eyes of the wearer across the brow, about the temporal sides of the face, cheeks and then upwardly to form a pair of eyecups having a nasal recess therebetween to bridge the nose, said wall portion having a face contacting portion on its rear side and a shield holding portion on its forward side, said wall being of sufficient rigidity to maintain the shield holding portion spaced from the face contacting portion and provide a unitary air chamber extending transversely of both eyes and above the nose of the wearer when in position of use, the face contacting portion substantially merging with the shield holding portion adjacent the nasal recess and with the upper wall of the device being divided above said nasal recess to provide separated ends, said separated ends having tongue portions in overlapping relation, and means pivotally connecting said tongue portions together for movement about an axis extending medially of the cup-like portions to intersect said nasally recessed portion and disposed to lie substantially within the plane of the location arranged by the shield holding portion, one of said tongue portions having an arcuately shaped groove and the other having a projection extending into the groove, said groove and projection functioning to control the pivoting of the eyecups about said pivot connection and a spacer member extending between said nasal recess and the pivotally connected tongue portions so as to overlie the nasal region of the shields to be assembled with the device and portions adjacent its opposed ends extendable through apertures formed in the adjacent portions of the device and detachably connected with said portions.

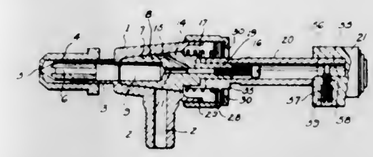


2,584,935
UNSYMMETRICAL DISAZO DYESTUFFS
Albert F. Strobel, Phillipsburg, N. J., and William W. Williams, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of New York
No Drawing. Application February 4, 1949, Serial No. 74,704
6 Claims. (Cl. 260—175)

2. An unsymmetrical disazo dyestuff having, in the form of its free acid, the following formula:

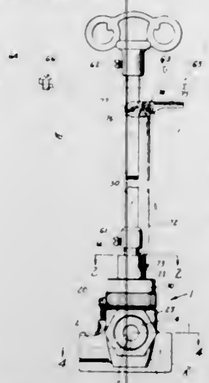


2,584,936
GAS CONTROL VALVE
Casper S. Stuckenholt, South Euclid, Ohio, assignor to The W. J. Schoenberger Company, Cleveland, Ohio, a corporation of Ohio
Application February 24, 1947, Serial No. 730,236
6 Claims. (Cl. 251—163)



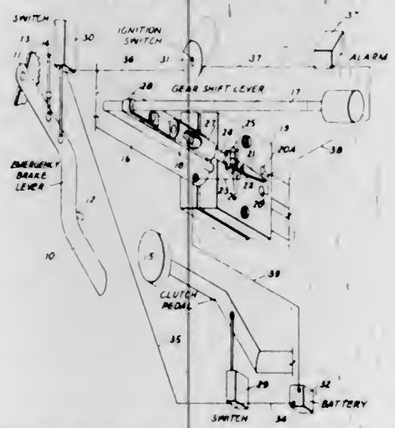
1. A gas control valve comprising a body having a circular bore formed with a port, a plug seated in said bore and having lateral flow control passages at an angle to each other about the axis of the bore and a closing land surface, all in the plane of said port, an operating stem in splined relation to the plug, a cap sleeve secured to the body in surrounding relation to the operating stem, a locking plate within the sleeve having a plate-rotation-preventing interlocking connection with the body within the sleeve, which connection includes relatively abutting circumferentially directed shoulders on the body and locking plate which shoulders are maintained in mutual registration by radial juxtaposition of the sleeve and locking plate in the region of the shoulders, and a releasable spline connection between a non-circular central through opening in the locking plate and a non-circular portion of the stem extending through said central opening, said connection operating, in an axially shifted position of the stem, to lock the stem against being turned.

2,584,937
FLOOR FURNACE VALVE
Casper S. Stuckenholt, South Euclid, Ohio, assignor to The W. J. Schoenberger Company, Cleveland, Ohio, a corporation of Ohio
Application April 25, 1947, Serial No. 743,957
4 Claims. (Cl. 251—164)



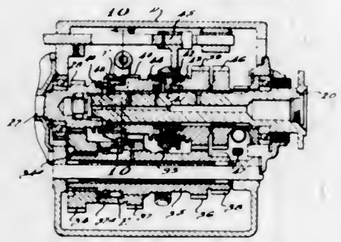
1. In a gas control valve, a valve body, a plug turnable in the body, operating means therefor, main and auxiliary gas control passages in the body and cooperating separate main and auxiliary passages in the plug, a turn-limiting means including circumferentially spaced abutments on the body and cooperating abutment means connected with the plug and movable between said abutments to control the main gas passages, additional circumferentially spaced abutments on the body cooperating with said turn-limiting means to control said auxiliary passages, and releasable rigid means normally blocking turning movement of the plug for preventing operation of the plug between the additional abutments by said operating means.

2,584,938
BRAKE RELEASE SIGNAL FOR AUTOS
Alfred A. Sweeny, Denver, and Maurice F. Sweeny, Silt, Colo.
Application November 10, 1949, Serial No. 126,628
7 Claims. (Cl. 177—311)



1. An emergency brake system for power driven vehicles of the type having an emergency brake actuator, a speed change transmission, a clutch, a clutch pedal, a battery, and ignition switch means, comprising; switch means adapted to be closed only when the emergency brake actuator is in a position applying the emergency brake, switch means adapted to be closed only when the clutch pedal is in a position to engage the clutch, switch means adapted to be closed only when a power driving connection is established through the transmission, an electrically operated alarm device, and a series circuit between terminals of the battery including all of the named switch means and the alarm device.

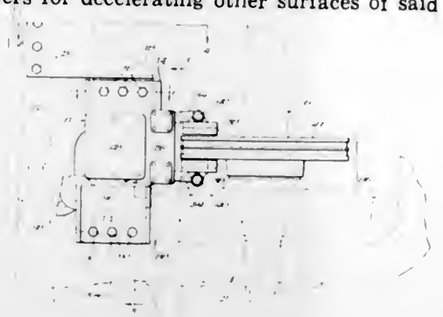
2,584,939
POWER TRANSMISSION
Augustin J. Syrovy, William T. Dunn, and Teno Iavelli, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application April 17, 1944, Serial No. 531,382
28 Claims. (Cl. 74—336.5)



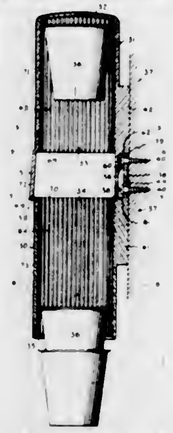
1. In a motor vehicle drive having a driving shaft adapted to receive drive from the engine and a driven shaft axially aligned with, and adapted to transmit drive from, the driving shaft for driving the vehicle; a main drive pinion carried by said driving shaft; high and low range output gears each journalled for rotation on said driven shaft; countershaft gearing comprising a countershaft drive gear in constant mesh with said main drive pinion, a countershaft low range gear in constant mesh with said low range output gear, a countershaft drivingly connecting said countershaft gears, and a high range countershaft gear journalled for rotation on said countershaft and in constant mesh with said high range output gear; an overrunning clutch providing a one-way drive connection between said countershaft and said high speed countershaft gear; means operable for selectively clutching said high and low range output gears with said driven shaft thereby to selectively accommodate either a one-way relatively fast drive or else a two-way relatively slow drive from said driving shaft to said driven shaft; and means operable, when said selectively operable clutching means has been operated to accomodate said one-way drive, for clutching said high range output gear with said main drive pinion thereby to provide a step-up two-way direct drive from said driving shaft to said driven shaft.

2,584,940
DUPLEX BRAKE
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 14, 1949, Serial No. 93,356
14 Claims. (Cl. 188—59)

1. In a brake arrangement for a railway car truck having a truck frame and a supporting wheel and axle assembly; the combination of a unit having an inboard chamber and an outboard substantially vertical chamber, a connection between the unit and frame above the vertical chamber, a connection between the unit and frame inboardly of the inboard chamber, a lever having a pivoted connection to the unit and having its lower end supporting a brake shoe for engagement with a peripheral wheel surface of said assembly, means in said vertical chamber for actuating the upper end of said lever, a pair of levers pivoted to the unit and projecting into the inboard chamber, means in the inboard chamber for actuating said pair of levers, means on said levers for decelerating other surfaces of said assembly, and thrust transmitting means on the unit and frame below the first-mentioned connection and in a vertical plane passing through said shoe and approximately parallel to the longitudinal center plane of the frame, said pivotal connection being approximately at the same distance below the first-mentioned connection as said thrust transmitting means, to substantially eliminate torque stresses on said first-mentioned connection.

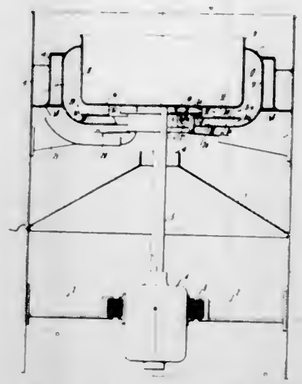


2,584,941
CUP DISPENSER
George Taubert, Mount Vernon, N. Y., assignor to Dixie Cup Company, Easton, Pa., a corporation of Delaware
Application August 4, 1948, Serial No. 42,451
8 Claims. (Cl. 312—43)



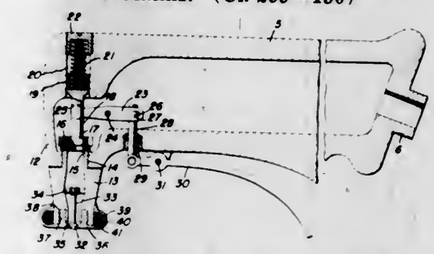
1. A dispenser for a stack of drinking cups, comprising upper and lower superimposed tubular sections of plastic material, one of the sections at approximately the juncture of said sections having a rearwardly offset panel portion for securing the same to a supporting surface, the other section having rearwardly offset flange extensions adapted to interfit the said panel portion, and means to fasten the panel portion to the supporting surface.

2,584,942
DYNAMICALLY BALANCED ROTOR
Ernest L. Thearle, Palo Alto, Calif.
Application April 18, 1949, Serial No. 88,067
24 Claims. (Cl. 74—573)



1. An automatically balancing rotor comprising: a frame; a shaft mounted on said frame for gyration about a reference axis; a rotor fixed to said shaft coaxially and for rotation therewith; fluid receiving balancing pockets formed on the periphery of said rotor; a fluid distributor mounted on said rotor for coaxial rotation therewith, said distributor being symmetrically divided by spiral vanes into spiral sections angularly offset from their inner to their outer ends, each of said sections being provided on its inner end with an inlet port and on its outer end with a discharge port angularly offset with respect to said inlet port; conduits mounted on said rotor with their inner ends lying adjacent to and in substantial angular alignment with said discharge ports and with their outer ends in communication with said pockets; and automatic valve means associated with said rotor and responsive to the eccentricity of said rotor for selectively delivering balancing fluid to one of said distributor sections.

2,584,943
FAUCET ATTACHED LAUNDRY SPRAY
Frank Thomas, Weirton, W. Va.
Application January 6, 1950, Serial No. 137,142
3 Claims. (Cl. 299—150)



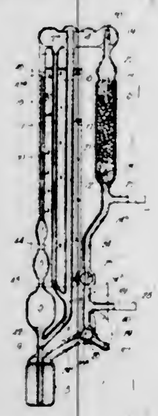
1. A spraying device comprising a hollow handle, a hose attached to the rear end of the handle for connection with a water supply, a nozzle head at the front end of the handle, a spray regulator including a fixed valve head in the nozzle head and a tip threaded on the head and having an orifice in which the valve head is seated, a sealing ring carried by the tip and surrounding the nozzle head, and a control valve in the handle.

2,584,944
REINFORCED STOCKING
Roy E. Tilles, New York, N. Y., assignor to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware
Application September 7, 1949, Serial No. 114,299
6 Claims. (Cl. 66—182)



1. A stocking containing a leg, instep, sole and toe in which the leg and instep yarn comprises a twisted thermo-plastic synthetic resin monofilament having of the order of ten to twenty turns to the inch; and reinforced areas with an additional thermo-plastic synthetic resin monofilament having no twist.

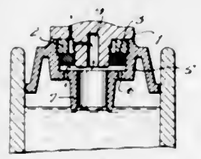
2,584,945
VACUUM GAUGE
Floyd Todd, Springfield, Pa.
Application July 8, 1949, Serial No. 103,611
9 Claims. (Cl. 73—400)



1. In a McLeod type vacuum gauge, a mercury reservoir, a plurality of capillary tubes, one of said tubes being closed at its top, a connection between the bottom of said closed capillary tube and the reservoir, a connection between the upper end of at least one of said tubes and a source of vacuum to be measured, a plurality of compression chambers having relatively large internal diameters arranged one above the other in said connection, a restriction connecting each of said chambers and the reservoir, an air conduit communicating with said reservoir and with atmospheric pressure, and means in said air conduit for controlling the admission of selected volumes of air to the reservoir to cause the mercury in the reservoir to rise in at least one of said tubes and progressively in the chambers.

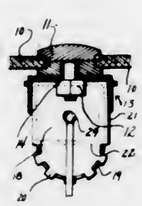
2,584,946
BATTERY LID
João Paulo Viarengo, Sao Paulo, Brazil, assignor to Acumuladores Vulcania, S. A., S. Paulo, Brazil, a corporation of Brazil
Application September 21, 1949, Serial No. 116,953
In Brazil October 12, 1948
1 Claim. (Cl. 136—178)

A battery cover, comprising in combination, a lid member having an outer and an inner face and formed with a transversal opening having an annular surface; an annular recess in said annular surface spaced from both faces of said lid member and thus forming an outer annular projection between itself and the outer face and an inner annular projection between itself and the inner face of said lid member, said outer annular projection being designed as a separate annular member connected to said lid member by friction; at least one transversal passage through said inner annular projection; an annular valve member arranged non-rotatably within said annular recess and having a diameter and width being smaller than the diameter and width respectively of said annular recess and formed with an inner screw threaded hole having a smaller diameter than the inner diameter of



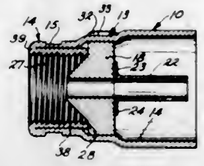
said outer annular projection; and a stopper consisting of a head adapted to abut against the outer face of said lid member and a shank having a smaller diameter than said outer annular projection and having a screw threading fitting into said screw threaded hole in said annular valve member, said screw threading extending from the tip of said shank of said stopper toward the head thereof at least to such extent that after said shank is screwed into said screw threaded hole in said annular valve member the distance between said valve member and said stopper head is equal to the width of said upper annular projection, thereby enabling a firm clamping of said valve member to said upper annular projection by screwing of said stopper into said valve member.

2,584,947
DISPLAY DEVICE FOR MERCHANDISE
John Wallerowitz, Marion, Ill.
Application November 6, 1947, Serial No. 784,471
3 Claims. (Cl. 211—96)



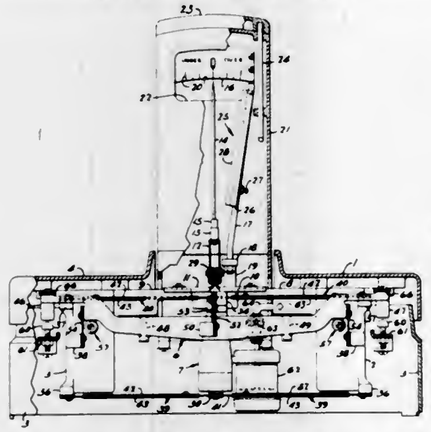
1. A device for displaying merchandise comprising a vertical member, a flat shelf extending horizontally from the upper edge of the vertical member, the free edge of the shelf being provided with a plurality of spaced apart flat horizontal extensions falling in the same plane as the shelf, upstruck elements on the shelf located on opposite sides of and rearwardly of the outer end of each extension, the shelf having an aperture therein, and a removable holder for the merchandise provided with a vertical portion adapted to be disposed on one of said extensions intermediate the upstruck elements whereby said holder is maintained in a desired position.

2,584,948
METHOD OF MAKING HOSE ENDS
Albert J. Weatherhead, Jr., Shaker Heights, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Original application March 16, 1945, Serial No. 583,119. Divided and this application March 19, 1947, Serial No. 735,765
1 Claim. (Cl. 29—157)



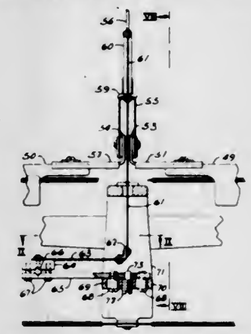
The method of making a hose coupling member which includes the steps of forming from flat stock a generally cylindrical hollow stamping having a closed end and a cylindrical portion of reduced diameter adjacent said closed end, folding the wall of the stamping inwardly adjacent said closed end, and punching out said closed end to provide a cylindrical end portion having a double wall of lesser internal diameter than the remainder of the stamping, threading the interior of said end portion, machining a body insert out of round bar stock, said insert being of greater diameter than the internal diameter of said threaded end portion and of lesser diameter than the internal diameter of the stamping in the zone adjacent the threaded end portion and having a central bore therethrough, securing a standpipe to said insert, positioning said insert within said stamping abutting the end of the folded in portion with the standpipe projecting away from the threaded end portion, and deforming a portion of the stamping adjacent the insert into engagement therewith and simultaneously forming a non-circular wrench-engaging surface on said cylindrical portion.

2,584,949
FLEXURE PLATE WEIGHING SCALE
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application March 1, 1947, Serial No. 731,751
14 Claims. (Cl. 265—54)



1. In a weighing scale, in combination, a frame, a load receiving member, a member pivotally mounted from the frame for supporting the load receiver, load counterbalancing mechanism connected to the pivotally supported member, a U shaped resilient element supported at least in part from one of said members, a socket mounted on the U-shaped member, a resilient bushing in the socket and an indicator having one end set in the bushing and having its other end cooperating with a chart, said indicator being driven along the chart by differential vertical movement applied to the legs of the U-shaped element by movement of the load receiver supporting member.

2,584,950
SENSITIVITY ADJUSTMENT FOR WEIGHING SCALES
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application March 3, 1947, Serial No. 731,956
2 Claims. (Cl. 265—54)

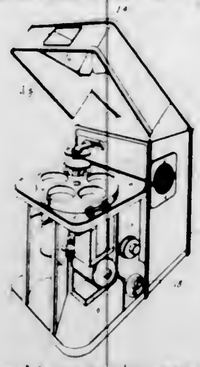


1. In a weighing scale, in combination, a weighing mechanism comprising a first and a second member one of which moves relative to the other with changes in load, a U-shaped spring having legs attached one to each of the members, an indicator mounted on the U-shaped spring, a finger attached to the spring and extending parallel to the indicator, a flexible tension member connected to the finger and extending along a line adjacent and generally parallel to the legs of the U-shaped spring, and adjustable resilient means for anchoring the end of the tension member and keeping the member under tension.

2,584,951
APPARATUS AND CIRCUIT FOR HEATING ARTICLES
Wiley D. Wenger, Danville, Ill., assignor to Electric Eye Equipment Company, Danville, Ill., a corporation of Delaware
Application April 18, 1949, Serial No. 88,119
1 Claim. (Cl. 219—47)

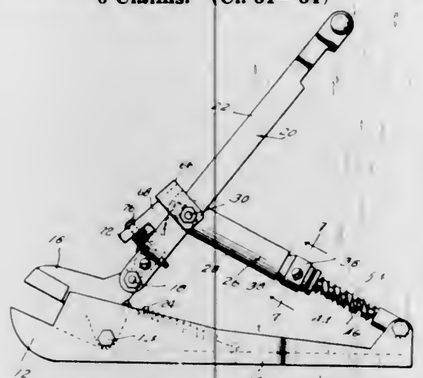
An apparatus for heating articles comprising a source of high frequency current including a generator, a dielectric heating zone defined by a pair of plates serving as electrodes, said electrodes connected to said generator and one of which is moveable relative to the other, a turntable operatively connected to a motor through a solenoid clutch, said turntable having means therewith for bringing an article to be heated between said plates, means connected to said generator and plates controlling the relative movement of said plates and thereby the amount of power input to said articles responsive to the initial loading of said generator due to the article being heated between said plates, said clutch having engaging and releasing means controlled by said solenoid responsive to operative means

connected to said generator and said solenoid and said operative means thereby being initially en-



ergized when said generator reaches a predetermined minimum output and means for deenergizing said solenoid prior to each inspection.

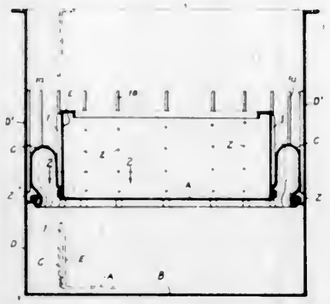
2,584,952
PIVOTED JAW WRENCH HAVING JAW ADJUSTING MEANS
Albert Westerman and Donald Westerman, Traill County, N. Dak.
Application March 31, 1950, Serial No. 153,060
6 Claims. (Cl. 81—84)



1. In a wrench of the type having an elongated handle, a fixed jaw carried by one end of the handle, a movable jaw pivoted to the handle adjacent the fixed jaw, a spring connected to the movable jaw and to the handle for moving said movable jaw to open position, relative to the fixed jaw, means for advancing the movable jaw toward the fixed jaw against the effort of the spring comprising an elongate lever pivoted to the pivoted jaw remote from the handle, a straight, elongate, collapsible and extensible telescopic link pivoted at one end to the lever and at its other end to the handle, means carried by the link for yieldingly urging said link to extend, and means carried by the link for arresting its collapse when an object is clamped between the fixed jaw and the movable jaw.

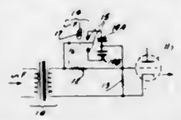
2,584,953
SEALING ELEMENT VENTILATING MEANS FOR DRY SEAL GAS HOLDERS
John H. Wiggins, Chicago, Ill.
Application January 24, 1949, Serial No. 72,505
4 Claims. (Cl. 48—178)

1. A gas holder provided with a reciprocating piston and a stationary part that co-act with each other to form a gas storage chamber of variable volume, a sealing element for said piston formed from a plurality of pieces of gas-tight fabric joined together by cemented seams, a back-stop against which said sealing element is adapted to be pressed by the gases in the storage chamber, said back-stop having a solid surface that backs up the pieces of fabric located between the seams of said sealing element and



stops permeation of gas through said fabric, and devices located on the air side of said sealing element in longitudinal alignment with the seams in said element and disposed so as to hold at least a portion of the outside faces of said seams, out of contact with the back stop, whereby air can circulate over the outer side of said seams and carry away gas that has permeated or penetrated into said seams from the storage chamber.

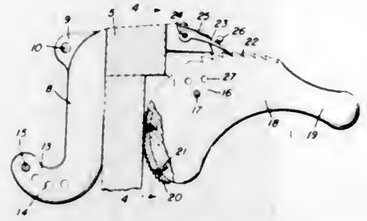
2,584,954
SELF-BALANCING ELECTRICAL SYSTEM AND METHOD
Albert J. Williams, Jr., Philadelphia, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 8, 1948, Serial No. 25,915
19 Claims. (Cl. 318—28)



1. In a self-balancing electrical system including alternating-current control-means responsive to an alternating-current signal corresponding with unbalance of the system, a two-terminal network comprising an inverter-converter and associated capacitance connected to derive from said unbalance signal a second alternating-current signal of magnitude which is an infinitesimal calculus time function of the unbalance signal, connections for applying alternating currents respectively corresponding with said signals to a common impedance for their addition in production of a voltage having components respectively corresponding with the unbalance and an infinitesimal calculus function thereof, and means for applying said voltage to said control means to regulate the rebalancing action.

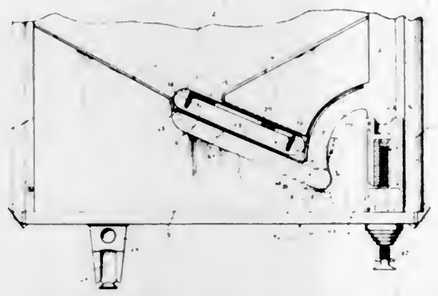
2,584,955
CLAMP FOR OUTBOARD MOTORS
Carl Williams, Cornell, Wis.
Application February 25, 1949, Serial No. 78,334
1 Claim. (Cl. 248—4)

A clamp for outboard motors comprising an inverted U-shaped bracket adapted to rest on a part of a boat including inner and outer downwardly extending legs, said outer leg adapted to support a motor, an arcuate lever pivotally connected to the inner leg for swinging into clamping engagement with said part of the boat, means



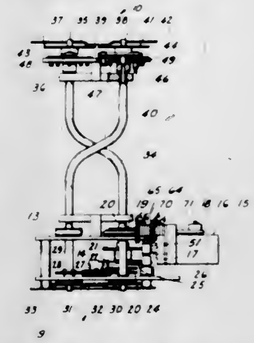
for adjusting the pivotal connection of said lever on the inner leg for adjusting said lever toward or away from said part of the boat, and pawl and ratchet means for locking said lever in adjusted position.

2,584,956
BALL RETURN AND PROJECTING MECHANISM FOR AMUSEMENT GAME APPARATUSES
Harry E. Williams, Chicago, Ill., assignor to Williams Patent Corporation, a corporation of Illinois
Application June 24, 1946, Serial No. 678,841
3 Claims. (Cl. 273—121)



1. An amusement game apparatus including an inclined board having at one end thereof a ball pocket and over which board balls are adapted to gravitate into said ball pocket, said board having at one side edge thereof a projection runway communicating with the top of the board for delivering balls to the top portion of the board for gravitation thereover, said board also having adjacent and parallel to said ball pocket a ball runway, a return runway opening communication between the ball runway and the ball projection runway, means for transferring balls from said ball pocket to the ball runway, means for transferring said balls from said ball runway through said return runway to the ball projection runway, means for projecting the balls through said projection runway to the upper end of the board, said means for transferring the balls from the ball pocket to the ball runway comprising a ball lift member extending longitudinally within said ball pocket, means for supporting said lift member for pivotal movement in a direction to transfer the balls from the ball pocket to the ball runway, means for pivotally moving said ball lift member, and means adapted to block operation of the ball transfer means when said ball lift member is operated to transfer balls from the ball pocket to the ball runway.

2,584,957
ELECTRICAL POSITIONING MECHANISM
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application May 14, 1948, Serial No. 27,124
4 Claims. (Cl. 177—337)



1. In a device of the class described, in combination, a reversible electric motor, a first shaft driven by said motor, a speed reducer driven by the motor, a second shaft arranged parallel to the first and driven by the speed reducer, at least one of said shafts having a flexible portion permitting said shafts to be transposed along their length so that when viewed from either end the shafts are similarly oriented, indicia bearing disks mounted on each end of each shaft, the disks at each end of the parallel end portions of the shafts being substantially coplanar, a selector switch mounted on each shaft, relays for controlling the motor, and a plurality of manually operable contacts in circuit relation with the relays and selector switches, said contacts, relays and selector switches serving to drive the motor until the indication of the indicia bearing disks corresponds to the operated ones of the manually operable contacts.

2,584,958
DIAL SCALE INDICATOR
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application May 10, 1950, Serial No. 161,196
3 Claims. (Cl. 116—136.5)



1. An indicator for a dial scale the indicator comprising a generally T-shaped spider having a bar extending laterally from the stem, clamping means secured to the spider near the intersection

of the stem and bar of the T-shaped spider to mount the spider on a shaft, an indicator arm attached to and extending in line with the stem of the T-shaped spider, a pair of threaded arms one attached to the end of the bar and extending parallel to the stem, the other attached to the stem of the T-shaped spider and extending parallel to the bar, a counterweight mounted on each threaded arm, a spring attached to the spider and extending past the end of the stem of the spider, and a cover supported in part by the spring and in part by the opposite end of the T-shaped spider.

2,584,959

CORK CONTAINING COMPOSITE SHEET MATERIAL

Alvin M. Yocom, Detroit, Mich., and George D'Olier, Devon, Conn., assignors to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey

Application September 14, 1948, Serial No. 49,258
4 Claims. (Cl. 154—46)

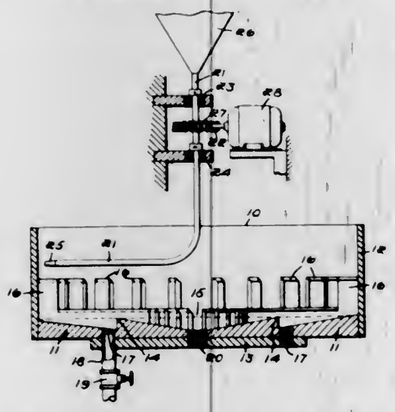
1. Compressible, resilient, composite, reinforced cork-containing sheet material composed of a plurality of layers of fibrous asbestos-rubber composition, at least one of said layers including from about 10 to about 30 per cent by weight of cork particles of from about 10 to about 40 mesh size, from about 35 to about 70 per cent by weight of said fibrous asbestos and from about 10 to about 20 per cent of said rubber, and at least an adjacent one of said layers being substantially devoid of said cork particles and in reinforcing relationship to and of relatively greater density than the cork containing layer.

2,584,960

LIQUID DISTRIBUTING DEVICE

Wallace A. Beardsell, East Natick, and Warren H. Hay, Beverly, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

Application May 23, 1949, Serial No. 94,802
4 Claims. (Cl. 137—166)



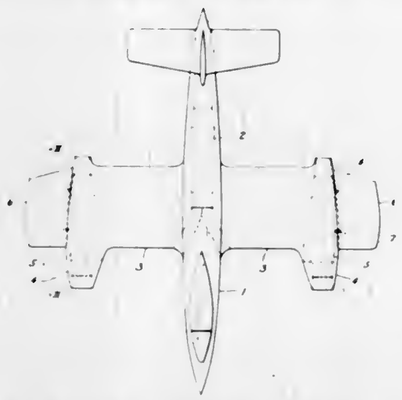
1. A liquid distributing device comprising a stationary cylindrical pan having a bottom portion and a vertically extending side wall, said bottom portion being provided with a central opening and an upstanding annular wall spaced from the center of said pan, the bottom portion of said pan including a conical portion which slopes downwardly from said side wall to said annular wall and another conical portion which slopes downwardly from the top of said annular wall to said central opening, said pan being divided into a plurality of compartments each of which has a single discharge opening in the bottom thereof positioned immediately adjacent to and outwardly from said annular wall, said compartments being defined by said side wall, annular wall and first mentioned conical portion and by partitions which extend radially inward from said side wall, the area of the outer wall of said compartments being equal and the areas of the bottom portions of said compartments being equal, said partitions extending vertically upward above said annular wall whereby excess liquid in said compartments may flow over said annular wall and thence into said central opening without running into other compartments, and rotating means for directing a metered stream of liquid against the inner surface of the side wall of said pan at constant angular velocity.

2,584,961

JET-PROPELLED AIRPLANE WITH JETTISONABLE WING-TIP FUEL TANKS

Derwood A. Beck, Seville, and Edwyn A. Eddy, Massillon, Ohio, assignors to Goodyear Aircraft Corporation, Akron, Ohio, a corporation of Delaware

Application September 8, 1945, Serial No. 615,126
4 Claims. (Cl. 244—15)



1. An airplane comprising, a fuselage, a jet power motor disposed in said fuselage, a pair of supporting wings extending from said fuselage, a housing enclosing a jet power motor and forming the tip of each wing organically connected therewith, a fuel tank of airfoil shaped cross section substantially horizontally extending from each one of said housings and acting as an auxiliary lifting surface for said airplane, and releasable connecting means between said fuel tanks and said wing tips adapted to drop said tanks during flight.

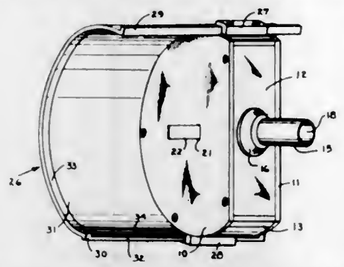
2,584,962

SERIES X-RAY CAMERA

Siegfried Theodore Gross, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application January 22, 1947, Serial No. 723,646
11 Claims. (Cl. 250—53)

1. An X-ray diffraction camera having in combination, a radiation confining body, means for permitting X rays to enter said camera body and for collimating said rays to form a beam of definite, predetermined cross-section, a holder for a specimen and a receiving means in said camera body for permitting insertion of said holder and specimen so positioned that upon insertion of the holder to its fullest extent, the specimen therein shall be positioned within the collimated X-ray beam, an aperture in said camera body opposite the X-ray collimating means through which X rays diffracted by the specimen may pass, and a film retaining member for closing off said aperture when in active position with respect to said camera body, said member having splines adja-



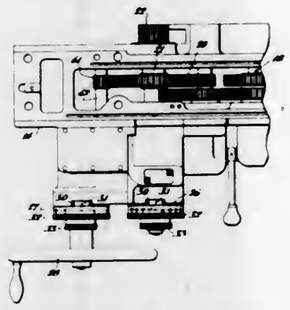
cent its extremities, guide means for said splines on said camera body, said member being several times longer than the width of the aperture through which the diffracted X rays pass thereby to permit a number of independent, strip-like, adjacent exposures to be made on a single sheet of film by moving the said member relatively to the camera body after each independent exposure, an index mark relatively fixed with respect to the camera body and a plurality of graduations on said film retaining member and cooperating with said index mark, said graduations being spaced the distance between centers of adjacent exposures.

2,584,963

FEED INDICATING DIALS FOR LATHE CARRIAGES

William G. Hoelscher, Cincinnati, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio

Application September 8, 1948, Serial No. 48,245
9 Claims. (Cl. 82—22)



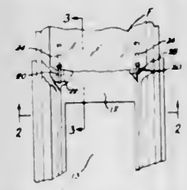
1. An apparatus for indicating and controlling the longitudinal translation of a lathe carriage or the like having power translating means, comprising; a hand wheel mounted on the carriage, a shaft for said hand wheel, a feed indicating dial loosely journalled on said shaft, gearing in said carriage operable to translate the carriage either by power or by operation of said hand wheel, a shaft extending from said gearing, a dial driving gear train including a gear permanently keyed to said extending shaft, said gear train being in driving connection with said indicating dial, a hand wheel gear train including a gear loosely journalled on said extending shaft, said hand wheel gear train being in driving connection with said hand wheel shaft, a clutch member on said extending shaft operable to couple said loosely journalled gear to said extending shaft, and automatic means operable to uncouple said clutch member when the power translating means is energized, to cause the hand wheel to remain stationary during translation while the dial rotates to indicate the length of translation.

2,584,964

FILM ADVANCING MEANS FOR CAMERAS, INCLUDING FILM PAWLS OR CURTAIN SHUTTERS

Carl H. Jacobson, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application June 11, 1947, Serial No. 754,011
3 Claims. (Cl. 95—31)



1. Film advancing means for cameras of the type employing perforated film and having a curtain type shutter which comprises a gate plate against which said film is guided and at the opposite side of which are operatively positioned the first and second curtains of the said shutter, slots in said gate plate aligned with the perforated edges of the film, film engaging pawls projecting through said slots and mounted on pivot means carried by the curtain nearest the film, the perforation engaging ends of said pawls being biased toward the film upon tension of said curtain, and a baffle at each side of said gate movable to and from a position between said slot in the gate and the adjacent curtain, each said baffle having a beveled end engageably by its respective pawl when the shutter is moved to tensioned position for moving the said baffles away from their position beneath the slots, said baffles upon return movement of the shutter for exposure, providing an engaging surface on which the pawls ride to prevent their contact with the film until the shutter has substantially reached its point of rest.

2,584,965

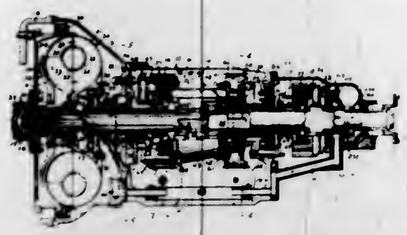
TRANSMISSION

Forest R. McFarland, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application April 5, 1946, Serial No. 659,774
27 Claims. (Cl. 74—472)

1. In a transmission for motor vehicles driven by an engine having a fuel intake manifold, a power shaft, a driven shaft, planetary gearing including a carrier adapted to connect said shafts in drive relation, a brake device for the carrier, a clutch device for connecting the carrier to the power shaft, a pressure fluid system adapted to operate said devices, valve means for controlling fluid flow in the system to selectively engage said brake device or said clutch device, an electrically energized means for controlling said selector

valve means, passage means connecting the pressure fluid system with the electrically energized means in relation to control the pressure fluid system, a valve device in the passage means, means responsive to vehicle speed for actuating



said valve device, and means responsive to pressure in the intake manifold for actuating said valve device, said valve device being opened in a variable vehicle speed range above a predetermined speed selected by varying intake manifold pressure.

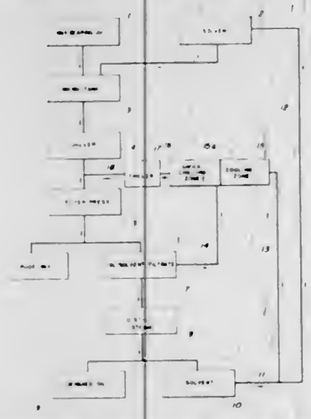
2,584,966

CHILLING OF OILS

Eugene J. Reeves, Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application September 10, 1948, Serial No. 48,745

4 Claims. (Cl. 196—18)



1. A method of dewaxing a wax-bearing oil, comprising the steps of: blending said oil with a dewaxing solvent containing a minor proportion of aqueous contaminant, chilling the resultant mixture to precipitate wax therefrom, cooling a separate secondary portion of said solvent to a temperature just above that at which the formation of ice takes place therein, conducting said cooled secondary portion of solvent to a shock-chilling zone maintained at a temperature below the freezing point of water with an injected oily chilling agent prepared as hereinafter described, cooling the shock-chilled secondary portion of solvent to a temperature approximately equal to that of the primary chilled solvent mixture of wax and oil, adding the cooled shock-chilled secondary portion of solvent to the primary chilled solvent mixture of wax and oil, the temperatures of the two solvent mixtures being approximately identical at this point, filtering wax from the resulting composite mixture, yielding an oil-solvent filtrate, recycling said filtrate for use as the aforesaid oily chilling agent to yield, as a result of the initial cooling and subsequent shock-chilling of said secondary portion of solvent, a suspension of ice crystals in the oil-solvent mixture so obtained, thereby inhibiting the formation of a hard, adherent ice in the aforesaid shock-chilling zone.

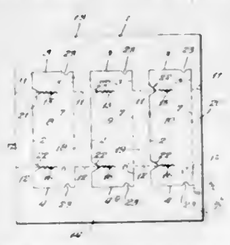
2,584,967

PACKAGING TRAY

Nathan J. Watson, Sioux City, Iowa, and John C. Roche, Chicago, Ill., assignors to Chicago Carton Company, Chicago, Ill., a corporation of Delaware

Application August 26, 1949, Serial No. 112,474

9 Claims. (Cl. 229—42)



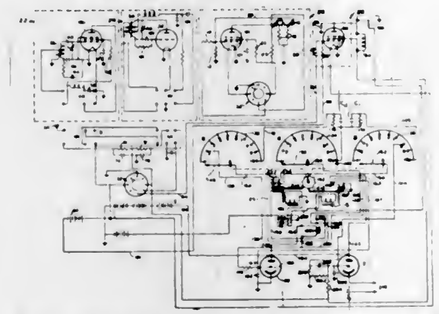
1. A partition tray comprising integrally connected side panels, bottom ledges and transverse panels, said side panels being foldably connected to the ends of said bottom ledges, and said transverse panels being foldably connected to the sides of said bottom ledges, said side and transverse panels being foldable from coplanar relation with said bottom ledges to angularly extending receptacle-forming relation thereto, said transverse panels having end portions projecting beyond the ends of said bottom ledges, and said transverse panels being provided with slits for receiving portions of said side panels.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

599,299. **SELECTOR CIRCUIT.** Howard T. Head, Belmar, N. J., assignor to the United States of America as represented by the Secretary of War. Filed June 13, 1945. Published Feb. 5, 1952. Class 179—171. 1 sheet of drawings. 15 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)



This disclosure relates to an audio amplifier for use in a system for remote control. It is desired to have the audio amplifier frequency selective so that it amplifies a certain frequency more than any other frequency. This is accomplished by a feedback circuit from the anode to the grid of tube **10**. The feedback circuit includes an adjustable R. C. network consisting of the capacitors **16** and the resistors **18**. This network is adjusted to make the phase shift 180° for the particular frequency to which it is desired to have the amplifier give its peak response. The 180° phase shift makes the feedback positive at the desired frequency and thereby produces maximum amplification at that frequency.

724,693. **USE OF ALUMINA.** James I. Hoffman, Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of Commerce. Filed Jan. 27, 1947. Published Feb. 5, 1952. Class 23—142. No drawing. 7 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)

Exceedingly finely divided alumina of the alpha or gamma form can be obtained by the present process.

In the production of gamma-alumina, aluminum chloride hexahydrate is heated to between 700 to 950 (preferably 750) degrees centigrade. During ignition of the aluminum chloride hexahydrate the volatile ignition products should be protected from contamination with the combustion products of the fuel and they should also be protected from dilution with air and other substances.

Suitable means for constantly agitating the aluminum chloride and the non-volatile ignition products during heating or ignition must be provided. This will constantly expose new surfaces by the mutual abrading action imparted by the particle movement thereby produced. The Herreshoff type furnace having a plurality of superimposed muffle-fired hearths each of which has its own rabble arms and in which the material is heated and continuously agitated as it passes through the furnace from hearth to hearth has been found suitable.

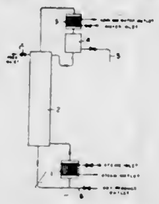
Aluminum chloride is fed into the top of the furnace by means of a hopper and vertical motor-driven screw. The ignited product is continuously discharged through the furnace outlet onto a variable vibrator conveyor table.

The gamma alumina produced has a particle size range of between 0.02 and 0.04 microns diameter. The purity of the product is about 99.8 percent alumina with the major impurity being about 0.1 percent chlorine.

If the gamma-alumina is heated to 1150 degrees C. alpha-alumina with a particle size of about 0.1 microns in diameter is produced.

These aluminas are very useful for polishing metallographic specimens and in the preparation of enamels used at high temperatures.

745,743. **STRIPPING PROCESS AND APPARATUS.** Robert A. Schulze, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Filed May 3, 1947. Published Feb. 5, 1952. Class 202—42. 1 sheet of drawings. 16 pages of specification.



This application discloses a process for the drying of fluoro-chloro derivatives of saturated aliphatic hydrocarbons, such as trichlorofluoromethane, dichlorodifluoromethane, dichloromonofluoromethane, monochlorodifluoromethane, trichlorotrifluoroethane and dichlorotetrafluoroethane, or mixtures thereof.

The process utilizes the property of the fluorochloro substances to form azeotropic mixtures with water, which permits the segregation of these substances from a relatively water-rich fraction by distillation.

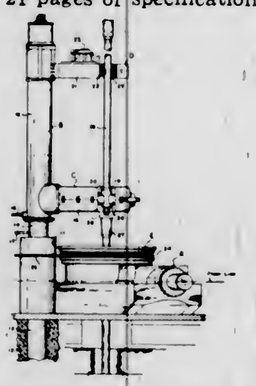
A preferred method of continuously drying a fluorochloro substance forming a water azeotrope of greater volatility than the hydrocarbon (e. g. dichlorodifluoromethane) comprises supplying the wet feed through packed stripping tower or fractionating column **2** to calandria **1**, which may be of the shell-and-tube type, heated indirectly by steam or other suitable means. The vapors so formed are returned to column **2**, wherein they are contacted with reflux liquor returned from separator **4**. The vaporous material discharged from column **2** is condensed by indirect cooling in shell-and-tube type condenser **3**. The liquid

formed collects as two layers in separator **4**, the supernatant water-rich layer being withdrawn through valved line **5** while the higher product content layer provides the reflux for the column. After operation for a sufficient period to establish equilibrium, dry product is withdrawn through valved line **6**.

A second embodiment of the process is employed where the water azeotrope has a lower volatility than the fluoro-chloro substance, as is the case for monochlorodifluoromethane. The wet feed is supplied to a boiler and the dry product is withdrawn through line connecting with condenser, with a portion being returned to column as reflux. In batch operations, water accumulating in the boiler is withdrawn at appropriate intervals through valved line, while for continuous operation it is desirable to utilize a draw off line, opening at a higher point in boiler, so that the water may be removed without halting the feed. Since only monochlorodifluoromethane is distilled overhead the separator is omitted.

The process may be operated at either subatmospheric or superatmospheric pressures and is effective to reduce the water content of fluorochloro derivatives of saturated aliphatic hydrocarbons to levels of 0.0007% or lower. Where even lower moisture contents are required, the process is adapted to use in conjunction with conventional adsorptive gel equipment, which is preferably arranged in series with the dry product distillation process delivery line.

753,591. **METHOD FOR HANDLING VERTICAL SECTIONS OF PIPE IN A DERRICK.** Albert L. Stone, Palos Verdes Estates, Calif., assignor to Humble Oil and Refining Company, a corporation of Texas. Filed June 9, 1947. Published Feb. 5, 1952. Class 255—1.8. 4 sheets of drawings. 21 pages of specification.



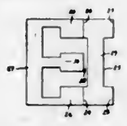
This disclosure relates to a method for handling a vertical section of drill pipe in a drilling derrick.

The section of drill pipe **26** is moved between a first position at the axis of the borehole with its lower end in threaded engagement with the upper end of drill stem **27** and a second position at one side of the borehole with its lower end above the derrick floor by the use of an assembly B which is supported from a foundation and carries both a tong C and spinner D. When removing section of pipe **26** from the drill stem **27**, the tong C grips the lower end of the pipe section **26** and holds it as a back-up tong while the joint is broken by exerting a torque on drill stem **27** by a suitable means such as assembly E. As soon as the joint is broken, tongue C is released and spinner D spins the joint out. Tong C again grips the lower end of pipe section **26**, and raises the pipe so gripped until its lower end is clear of the upper end of drill stem **27** and then moves the pipe while supported solely by this grip to its second position at one side of the borehole.

When section of drill pipe **26** is added to the drill stem **27**, the reverse procedure is used.

This method of handling the pipe allows it to be handled rapidly and efficiently when either adding it to or removing it from the drill stem.

6,687. **PUNCHED CORE LAMINATIONS.** Armin F. Mittermaier, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York. Filed Feb. 6, 1948. Published Feb. 5, 1952. Class 171—119. 2 sheets of drawings. 7 pages of specification.

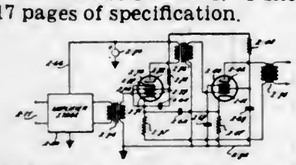


The application discloses a magnetic core consisting of flat stacked laminations which are punched from magnetic strip material in such a way that each lamination layer of the core contains at least one generally E-shaped punching and one generally I-shaped punching with the I-shaped punching being in abutting relation to the ends of the outer legs of the E-shaped punching. The ends of the I-shaped punching have sidewise extensions so that there is an air gap between the center leg of the E-shaped punching and the I-shaped punching and the lengths of the sidewise extensions are different on opposite sides of the I-shaped punching so that by reversing the I-shaped punching the length of the air gap can be changed.

25,054. **THORIATED TUNGSTEN CATHODE STRUCTURE AND METHOD OF MAKING THE SAME.** Donald F. Drieschman, Los Altos, and Leonard Hart, San Bruno, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California. Filed May 4, 1948. Published Feb. 5, 1952. Class 29—378. 1 sheet of drawings. 7 pages of specification.

This application relates to a bonding method. The method of making a cathode structure which comprises positioning a thoriated tungsten emitter element adjacent a tungsten support, coating the parts at the joint with a paste containing a mixture of finely divided tungsten carbide and a metal in group 8 of the periodic table, and then heating the joint in an atmosphere containing oxygen.

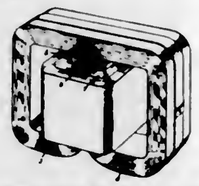
36,083. **STABILIZED LOW FREQUENCY MULTISTAGE ELECTRONIC AMPLIFIERS.** Lester William Bailey, Washington, D. C., assignor to Radio Corporation of America, a corporation of Delaware. Filed June 30, 1948. Published Feb. 5, 1952. Class 179—171. 1 sheet of drawings. 17 pages of specification.



This application relates to multistage amplifiers. As illustrated in Figure 2, three amplifiers **2—20**, **2—30** and **2—40** are connected in cascade by two interstage coupling transformers **2—54** and **2—56**. The B+ terminal of a plate supply source **2—50** is connected in common to the output circuits of the first two amplifier stages **2—20** and **2—30**. The cathode **2—31** of the amplifier **2—30** is a floating cathode, which is coupled to the cathode **2—41** of the third amplifier **2—40** by a condenser **2—62** and to the output circuit of the third tube **2—40** through a resistor **2—37**. A biasing circuit **2—47**, **2—63** for the amplifier **2—40** couples the cathode **2—41** thereof to a signal return lead **2—52** which is connected to ground in common with the negative terminal of the plate supply source **2—50**.

As arranged, the plate **2—42** of the third amplifier **2—40** is not connected directly to the plate supply source **2—50**, but instead is connected to the B+ terminal through the amplifier **2—30** and the coupling resistor **2—37**. Thus a feedback path for disturbances in the common power supply **2—50** is not present, and interference of the type known as motorboating is minimized.

86,157. **MAGNETIC CORE.** Gareth G. Somerville, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York. Filed Apr. 8, 1949. Published Feb. 5, 1952. Class 175—356. 1 sheet of drawings. 7 pages of specification.



The application discloses a curved magnetic core of flatwise bent radially nested laminations of magnetic strip material which is characterized by a diagonally extending stepped joint between one end of a straight leg portion and one end of a straight yoke portion, the stepped joint being formed by square-cut ends of the lamination layers.

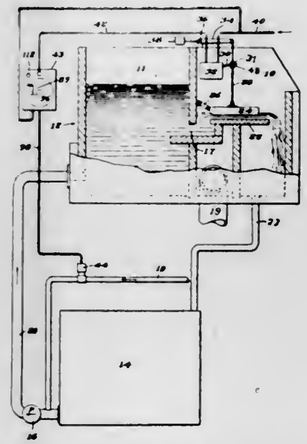
91,397. **CABLE END LOCK.** William O. Hammer, Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation, a corporation of Maryland. Filed May 4, 1949. Published Feb. 5, 1952. Class 74—501. 1 sheet of drawing. 9 pages of specification.



The device relates to a detachable connection of a cable to the rim of a pulley.

A cylindrical bore intersects the peripheral rim or groove **20** of the pulley **10** at right angles to the circular plane of the pulley wheel. Rotatably fitted within the said bore is a cylindrical member **32** to which one end of the cable **24** is attached by ball and socket means. The diameter of the bore and cylindrical member exceeds the depth of the pulley groove and extends slightly beyond both the inner and outer peripheries of the circular groove of the pulley. The ball and socket means attaching the cable end to the cylindrical member comprises a diametral bore through said cylindrical member, said diametral bore having two portions, one of greater and one of smaller diameter. To the attached end of the cable is secured a spherical, ball-shaped fitting **26** having a diameter greater than the small diameter portion of the said diametral bore but less than that of the larger diameter portion **32** so that said cable may be inserted or removed from said diametral bore of the cylindrical member at the larger diameter end of the bore and prevented from detachment therefrom through the other or smaller bore end. With the cable ball fittting so attached to the cylindrical member and the cylindrical member placed within its bore through the pulley rim the assemblage of elements would constitute the detachable connection. A slot **38** on the surface of the cylindrical member is cut through to the bore and parallel thereto in order to permit rotation of the cable fitting relative to the cylindrical member axis so that the cable may be detached therefrom or inserted therein through the larger diameter end of the bore.

94,588. **STOCK CONSISTENCY REGULATOR.** Sven Fahlgren, Wrentham, Mass. Filed May 21, 1949. Published Feb. 5, 1952. Class 137—78. 2 sheets of drawings. 15 pages of specification.



This application discloses a regulator for automatically controlling the consistency, or percentage solids content, of solid-liquid suspensions such as paper stock, with an accuracy of 0.1% even at ranges as low as 0.5% to 4.5%.

A representative fraction of the stock passing through the constant head compartment **11** of the stuffbox **12** is allowed to flow through a sluice **17**, and over a surface **22** above which a float **24** is suspended so that it rides on the layer of flowing stock. Slight changes in stock consistency produce great changes in stock viscosity, and in accordance with the laws of hydraulics the thickness of the flowing layer of stock varies directly with viscosity, raising and lowering the float correspondingly. Diluting liquid is admitted in relation to the position of the float through a valve **44** operated by a pneumatic controller (**32** and **43**) responsive to movements of the float.

Stock from the stock chest **14** and diluting liquid from the pipe **18** is pumped to the constant head compartment **11** by pump **16**, and flows to the paper machine through outlet **19**. Stock which has passed through the float compartment **10** of the stuff box **12** returns to the stock chest **14** through piping **23**.

203,225. **SEMI-STIFF NYLON COLLARS AND PROCESS OF MAKING SAME.** Robert L. Lester, Cornwall, N. Y., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del., a corporation of Delaware. Filed Dec. 28, 1950. Published Feb. 5, 1952. Class 154—140. No drawing. 21 pages of specification.

This process comprises interposing a cementitious interliner ply comprising an alcohol soluble N-alkoxymethyl poly-hexamethylene amide, in which the alkyl radical contains 1 to 4 carbon

atoms, e. g. N-methoxy, N-ethoxy, N-propoxy, N-isoproxy, N-isobutoxy, and N-n-butoxymethyl poly-hexamethylene adipamide and the corresponding sebacamides, between plies of nylon fabric and subjecting the assembly to sufficient heat and pressure to form a composite integral structure, such as collars and cuffs of shirts, demibosoms and plaits, which is resistant to delamination and puckering upon repeated laundering and use.

The polyamides of DV value (i. e. the milliliters of acetone required to induce precipitation of the polyamide from a boiling solution of 1.00 gram of polyamide in 20 milliliters of 80% aqueous ethanol) 35 to 90 are useful and of DV value 45 to 55 are preferred. Polymers of DV value less than 35 are not considered alcohol soluble.

A continuous filament nylon taffeta fabric was coated on each side with four coats of the following composition (parts by weight): 22.0 N-methoxymethyl poly-hexamethylene adipamide (DV value 45); 15.0 water; 57.0 ethyl alcohol and 6.0 titanium dioxide dispersion (42.0 TiO_2; 6.0 of the same polymer; 10.8 water; 41.2 ethyl alcohol tinted with ferric ferrocyanide-iron blue).

After each coat the material was heated to evaporate the volatile components of the composition. Sufficient was applied in eight coats to deposit a total of approximately 3.0 ounces of dry non-volatile coating per square yard, distributed to the extent of 1.5 ounces on each side.

Example I

A nylon edge-stitched assembly of the so coated ply, placed between two nylon fabric plies, was dry pressed at 310° F. for 5 seconds to tack the plies together and immersed in water for five minutes. Excess water was removed and the damp assembly subjected to heat and pressure for 60 seconds at 300° F. and 60 lbs. per square inch to weld the plies together. Pressures ranging from 50 to 100 pounds per square inch and temperatures of 225° F. up to just below the decomposition temperature of the polymer (preferably 25° to 125° F. below its melting point) are suitable for preparation of the laminate.

Example II

A continuous filament nylon taffeta fabric was coated on each side with three coats of the following composition (parts by weight): 27.7 N-methoxymethyl poly-hexamethylene adipamide (DV value 55); 12.9 water; 52.0 ethyl alcohol and 7.4 titanium dioxide dispersion (same as in Example I). The fabric was forced dried between coats by heating. A total of 2.0 ounces of dry non-volatile coating per square yard of fabric was applied to the extent of 1.0 ounce on each side.

A nylon edge-stitched assembly of the so-coated ply, placed between two nylon fabric plies, was dry fused under 80 lbs. pressure at 310° F. for 90 seconds.

Nylon fabric woven from spun filaments may be used for both outer and interliner plies. A preformed film or fabric may be used in place of the coated interliner. The wetting step, in Example I, may be restricted to the interliner. Softening and curing agents may be used in the interliner. The white pigment may be omitted or coloring matter corresponding to colored outer plies may be used. Cotton is not satisfactory as the interliner base but cotton or "Orlon" acrylic fiber may be used for stitching. The nitrogen substituted polyamides, such as in U. S. Patent No. 2,443,450 give a good initial but not a lasting bond. The same is true of alcohol concentrations in the wetting solution outside the range of 5% to 40%.

203,227. **PROCESS FOR SEMI-STIFF NYLON COLLARS.** Raymond A. Craig, Wilmington, Del., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del., a corporation of Delaware. Filed Dec. 28, 1950. Published Feb. 5, 1952. Class 154—140. No drawing. 16 pages of specification.

This process comprises interposing a cementitious interliner ply comprising an alcohol soluble N-alkoxymethyl poly-hexamethylene amide, in which the alkyl radical contains 1 to 4 carbon atoms, e. g. N-methoxy, N-ethoxy, N-propoxy, N-isopropoxy, N-isobutoxy, and N-n-butoxymethyl poly-hexamethylene adipamide, and the corresponding sebacamides, between plies of nylon fabric, wetting the assembly with a mixture of 5 to 40 parts of a 1 to 3 carbon atom aliphatic monohydric alcohol and 95 to 60 parts of water, and subjecting the wetted assembly to sufficient heat and pressure to form a composite integral structure, such as collars and cuffs of shirts, demibosoms and plaits, which is resistant to delamination and puckering upon repeated laundering and use.

The polyamides of DV value (i. e. the milliliters of acetone required to induce precipitation of the polyamide from a boiling solution of 1.00 gram of polyamide in 20 milliliters of 80% aqueous ethanol) 35 to 90 are useful and of DV value 45 to 55 are preferred. Polymers of DV value less than 35 are not considered alcohol soluble.

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After each coat the material was heated to evaporate the volatile components of the composition. Sufficient was applied in eight coats to deposit a total of approximately 3.0 ounces of dry non-volatile coating per square yard, distributed to the extent of 1.5 ounces on each side.

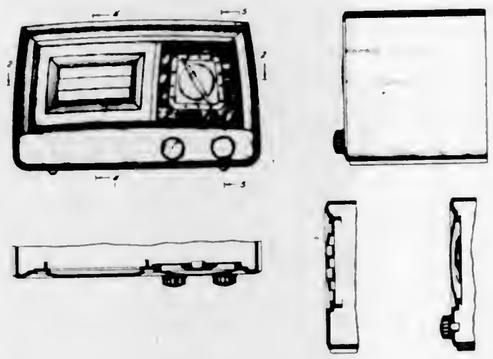
A nylon edge-stitched assembly of the so coated ply, placed between two nylon fabric plies, was dry pressed at 310° F. for 5 seconds to tack the plies together and immersed in a 30/70 isopropanol to water mixture until thoroughly wetted. Excess mixture was removed and the assembly subjected to heat and pressure for 60 seconds at 310° F. (90 lbs. steam pressure) and 80 lbs. per square inch to weld the plies together. Pressures ranging from 50 to 100 pounds per square inch and temperatures of 225° F. up to just below the decomposition temperature of the polymer (preferably 25° to 125° F. below its melting point) are suitable for preparation of the laminate.

Nylon fabric woven from spun filaments may be used for both outer and interliner plies. A preformed film or fabric may be used in place of the coated interliner. The wetting step may be restricted to the interliner and methyl, ethyl or propyl alcohol may be used. Softening and curing agents may be used in the interliner. The white pigment may be omitted or coloring matter corresponding to colored outer plies may be used. Cotton is not satisfactory as the interliner base but cutton or "Orlon" acrylic fiber may be used for stitching. The nitrogen substituted polyamides, such as in U. S. Patent No. 2,443,450 give a good initial but not a lasting bond. The same is true of alcohol concentrations in the wetting solution outside the range of 5% to 40%.

DESIGNS

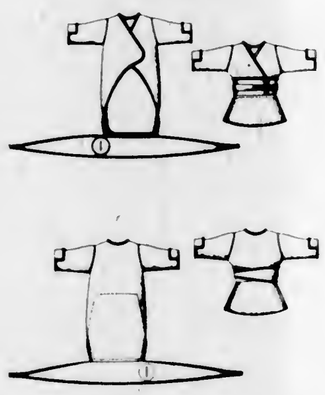
FEBRUARY 5, 1952

165,814
RADIO CABINET
Samuel E. Adler, Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application February 13, 1951, Serial No. 14,208
Term of patent 14 years
(Cl. D56—4)



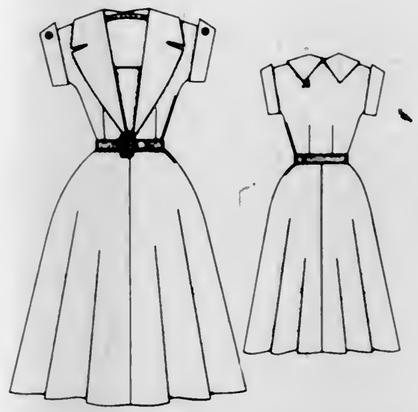
The ornamental design for a radio cabinet, as shown and described.

165,815
CHILD'S DIAPER SUIT OR SIMILAR ARTICLE
Ruth B. Allen, Elizabeth, N. J.
Application October 20, 1951, Serial No. 17,029
Term of patent 14 years
(Cl. D3—17)



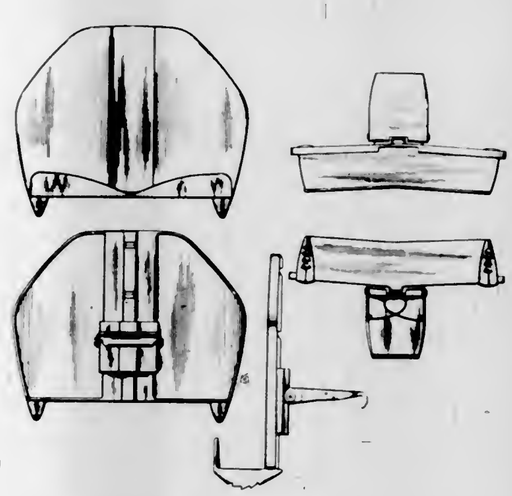
The ornamental design for a child's diaper suit or similar article, as shown and described.

165,816
DRESS
Murry Alweil, New York, N. Y.
Application August 15, 1951, Serial No. 16,293
Term of patent 3½ years
(Cl. D3—26)



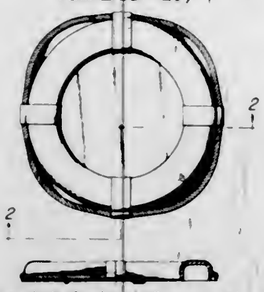
The ornamental design for a dress, substantially as shown.

165,817
BOOKHOLDER
William James Bargen, Waukegan, Ill.
Application September 7, 1951, Serial No. 16,577
Term of patent 14 years
(Cl. D33—2)



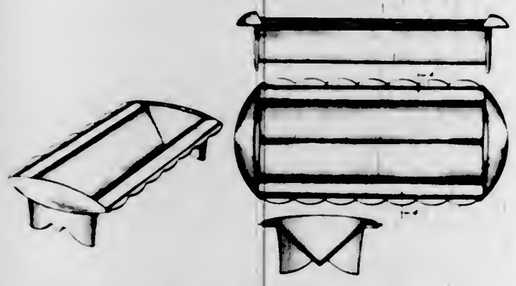
The ornamental design for a book holder, as shown.

165,818
COASTER
Thomas E. Bether, Wayne, Pa.
Application May 3, 1951, Serial No. 15,060
Term of patent 14 years
(Cl. D44—10)



The ornamental design of a coaster, as shown.

165,819
CRACKER TRAY
Charles O. Bliss, Los Angeles, Calif.
Application February 13, 1951, Serial No. 14,205
Term of patent 14 years
(Cl. D44—10)



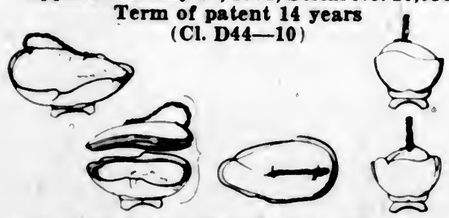
The ornamental design for a cracker tray, as shown.

165,820
LAMP
Alexander E. Blumenthal, Pittsburgh, Pa.
Application March 27, 1950, Serial No. 8,801
Term of patent 3½ years
(Cl. D48—20)



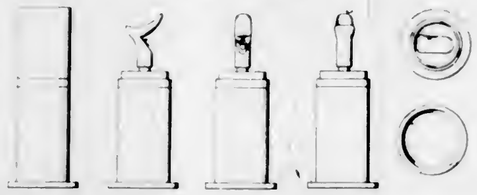
The ornamental design for a lamp, substantially as shown and described.

165,821
COMBINED BOWL AND COVER
Johannes Brahm, Los Angeles, Calif.
Application July 27, 1951, Serial No. 16,054
Term of patent 14 years
(Cl. D44—10)



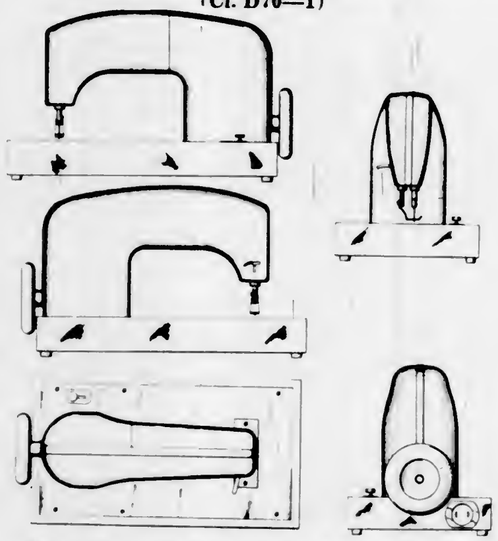
The ornamental design for a combined bowl and cover, substantially as shown.

165,822
ATOMIZER
Frank E. Brown, Burbank, Calif., assignor to Frederick M. Turnbull, Los Angeles, Calif.
Application March 10, 1951, Serial No. 14,458
Term of patent 14 years
(Cl. D83—1)



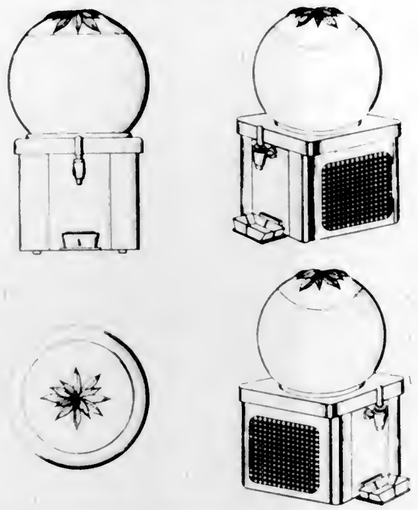
The ornamental design for an atomizer, substantially as shown.

165,823
SEWING MACHINE
Peter F. Cencer and Fred Whiteman, Detroit, Mich., assignors to Frank M. Gidion, Detroit, Mich.
Application September 10, 1949, Serial No. 4,937
Term of patent 14 years
(Cl. D70—1)



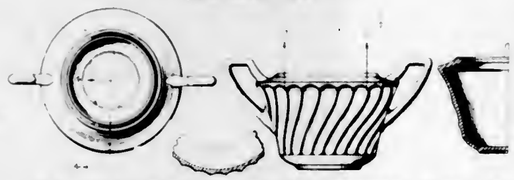
The ornamental design for a sewing machine, substantially as shown.

165,824
JUICE DISPENSER
Oswald W. Collins, Jacksonville, Fla.
Application December 22, 1950, Serial No. 13,552
Term of patent 14 years
(Cl. D2—3)



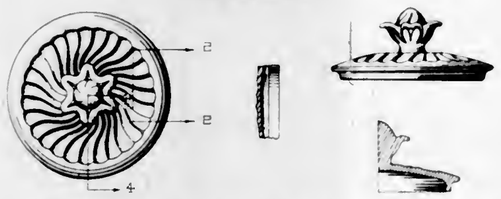
The ornamental design for a juice dispenser, substantially as shown.

165,825
SUGAR BOWL
R. Guy Cowan, Fayetteville, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 21, 1950, Serial No. 11,292
Term of patent 14 years
(Cl. D44—10)



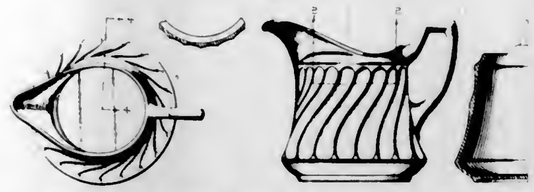
The ornamental design for a sugar bowl, as shown and described.

165,826
COVER FOR SUGAR BOWL
R. Guy Cowan, Fayetteville, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 21, 1950, Serial No. 11,293
Term of patent 14 years
(Cl. D44—15)



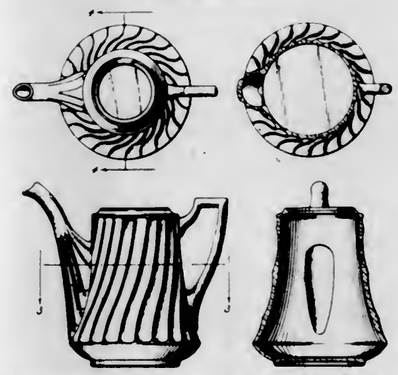
The ornamental design for a cover for sugar bowl, as shown and described.

165,827
CREAM PITCHER
R. Guy Cowan, Fayetteville, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 21, 1950, Serial No. 11,294
Term of patent 14 years
(Cl. D44—21)



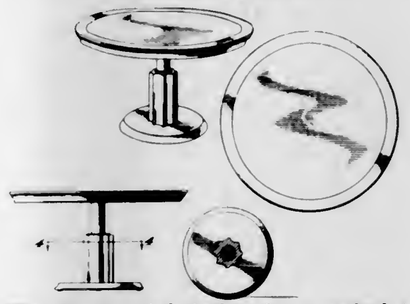
The ornamental design for a cream pitcher, as shown and described.

165,828
TEA POT
R. Guy Cowan, Fayetteville, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 21, 1950, Serial No. 11,295
Term of patent 14 years
(Cl. D44—25)



The ornamental design for a tea pot, as shown and described.

165,829
SWIVEL TABLE
Robert Dorr, Jr., Beverly Hills, Calif., assignor, by mesne assignments, to International Furniture Company, a corporation of Illinois
Application May 19, 1948, Serial No. 146,468
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a swivel table, as shown.

165,830
COMBINATION COOKY JAR AND BANK
Louis H. Dworkin, Philadelphia, Pa.
Application October 1, 1951, Serial No. 16,803
Term of patent 7 years
(Cl. D58—25)



The ornamental design for a combination cookie jar and bank, substantially as shown.

165,831
JACKET
Simon Etkin, New York, N. Y.
Application August 1, 1951, Serial No. 16,105
Term of patent 3½ years
(Cl. D3—4)



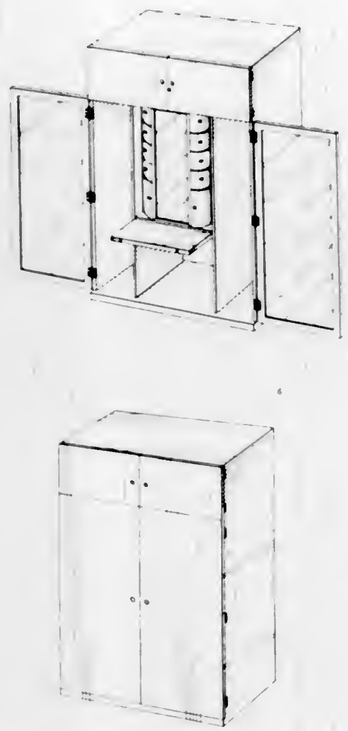
The ornamental design for a jacket, substantially as shown.

165,832
ELECTRIC FAN
Burton Franklin, Toledo, Ohio, assignor, by mesne assignments, to Tropic-Aire, Inc., Chicago, Ill., a corporation
Application July 25, 1950, Serial No. 11,398
Term of patent 14 years
(Cl. D26—7)



The ornamental design for an electric fan, as shown and described.

165,833
UTILITY DRESSER
Cicero C. Gaither, Birmingham, Ala., assignor of one-half to R. Glenn Pugh, Birmingham, Ala.
Application January 30, 1951, Serial No. 14,041
Term of patent 14 years
(Cl. D33—19)



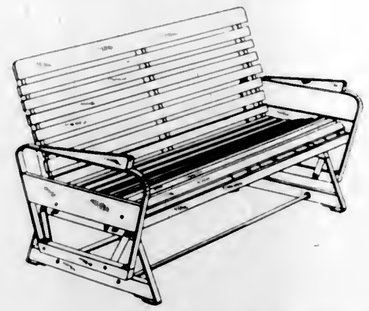
The ornamental design for a utility dresser, as shown.

165,834
CUP
Charles N. Gardner, Suitland, Md.
Application February 7, 1951, Serial No. 14,120
Term of patent 14 years
(Cl. D44—9)



The ornamental design for a cup, substantially as shown and described.

165,835
LAWN SEAT
Henry P. Glass, Chicago, Ill., assignor to Goshen Manufacturing Company, Goshen, Ind.
Application October 19, 1950, Serial No. 12,628
Term of patent 14 years
(Cl. D15—11)



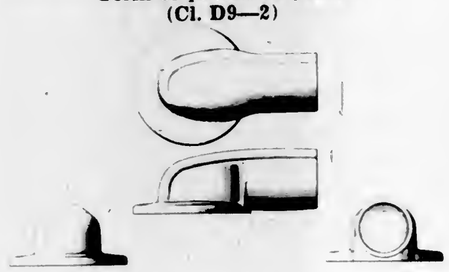
The ornamental design for a lawn seat, as shown.

165,836
PLASTIC COASTER
Tillman J. Gressitt, Monkton, Md., assignor to Hedwin Corporation, Baltimore, Md., a corporation of Maryland
Application May 23, 1951, Serial No. 15,284
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a plastic coaster, as shown.

165,837
SPRAY AND POLISHING HEAD OR SIMILAR ARTICLE
Arnold E. Hanson, Evanston, Ill.
Application July 14, 1950, Serial No. 11,177
Term of patent 14 years
(Cl. D9—2)



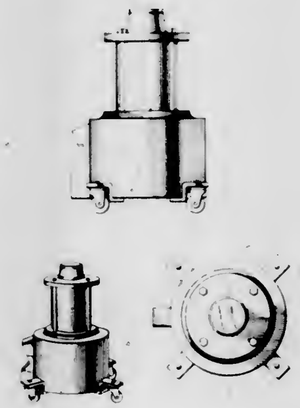
The ornamental design for a spray and polishing head or similar article, substantially as shown and described.

165,838
PLATE OR SIMILAR ARTICLE
George J. Higginson, Bronxville, N. Y., assignor to Johnson Bros. (Hanley) Limited, Hanley, Stoke-on-Trent, England, a British company
Application November 29, 1951, Serial No. 17,570
Term of patent 14 years
(Cl. D44—15)



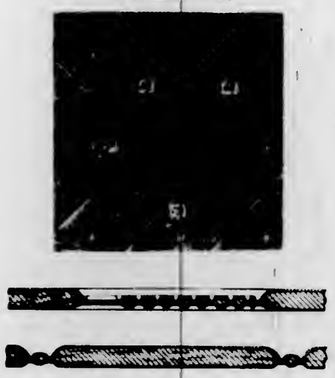
The ornamental design for a plate or similar article, as shown.

165,839
COMBINED AIR MOTOR AND HYDRAULIC PUMP
Don R. Hill, Warren, Ohio; Martha H. Hill executrix of said Don R. Hill, deceased
Application June 7, 1949, Serial No. 3,103
Term of patent 3½ years
(Cl. D41—1)



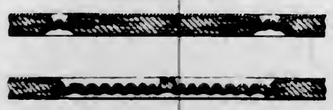
The ornamental design for a combined air motor and hydraulic pump, substantially as shown.

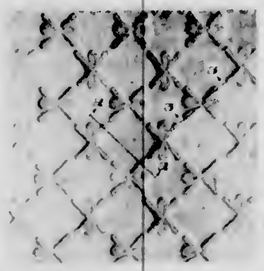
165,840
QUILTED PLASTIC FILM MATERIAL OR THE LIKE
Daniel E. Hogan, Jr., Andover, Mass., assignor to Bolta Products Sales, Inc., Lawrence, Mass., a corporation of Massachusetts
Application September 29, 1951, Serial No. 16,786
Term of patent 14 years
(Cl. D87—3)



The ornamental design for quilted plastic film material or the like, substantially as shown.

165,841
QUILTED PLASTIC FILM MATERIAL OR THE LIKE
Daniel E. Hogan, Jr., Andover, Mass., assignor to Bolta Products Sales, Inc., Lawrence, Mass., a corporation of Massachusetts
Application October 4, 1951, Serial No. 16,833
Term of patent 14 years
(Cl. D87—3)





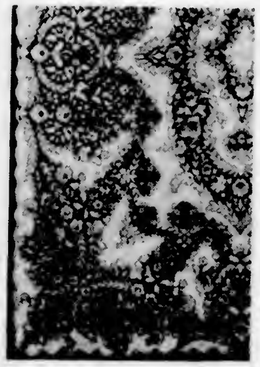
The ornamental design for quilted plastic film material or the like, substantially as shown.

165,842
MEDAL
Nathan Holz, Long Island City, N. Y.
Application August 12, 1948, Serial No. 148,079
Term of patent 14 years
(Cl. D29—2)



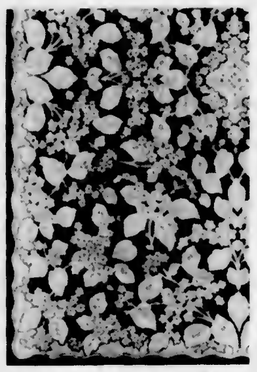
The ornamental design for a medal, as shown.

165,843
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,329
Term of patent 7 years
(Cl. D92—26)



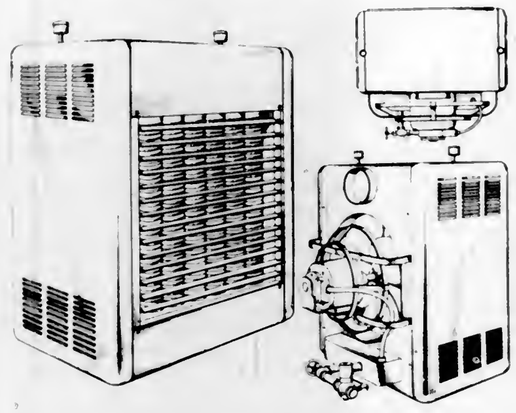
The ornamental design for a tablecloth substantially, as shown and described.

165,844
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown. Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,330
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially, as shown and described.

165,845
UNIT HEATER
George E. Hughes, Columbus, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application May 20, 1950, Serial No. 10,075
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a unit heater, as shown.

165,846
PERCOLATOR TOP
Nicholas B. Jagemann, Manitowoc, Wis., assignor to Aluminum Goods Manufacturing Company, Manitowoc, Wis., a corporation of New Jersey
Application August 9, 1951, Serial No. 16,219
Term of patent 14 years
(Cl. D44—26)



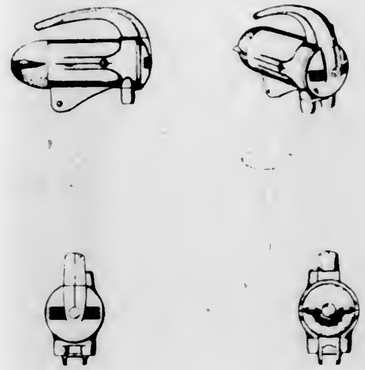
The ornamental design for a percolator top, substantially as shown and described.

165,847
ORNAMENTAL CHAIN
Christian F. Jager, Cranston, R. I., assignor to Armbrust Chain Company, a corporation of Rhode Island
Application March 17, 1951, Serial No. 14,529
Term of patent 14 years
(Cl. D45—16)



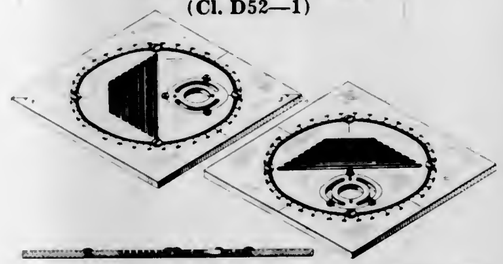
The ornamental design for an ornamental chain, as shown.

165,848
FOOD MIXER OR THE LIKE
Ivar Jepson, Oak Park, Ill., assignor to Sunbeam Corporation, Chicago, Ill., a corporation of Illinois
Application January 16, 1951, Serial No. 13,824
Term of patent 14 years
(Cl. D44—1)



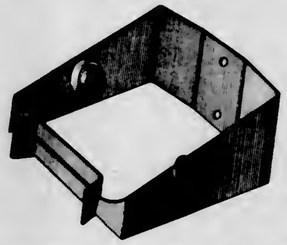
The ornamental design for a food mixer or the like, substantially as shown and described.

165,849
DRAFTING TEMPLATE
Rush Jordan, Dillon, Mont.
Application August 17, 1951, Serial No. 16,314
Term of patent 14 years
(Cl. D52—1)



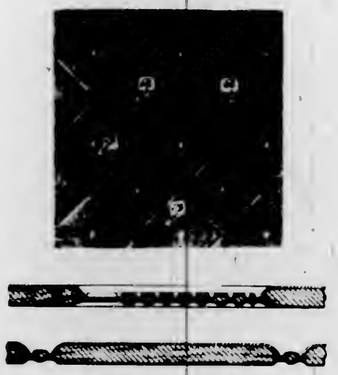
The ornamental design for a drafting template, substantially as shown.

165,850
TOILET PAPER HOLDER
Samuel M. Kandarian, Fowler, Calif.
Application March 1, 1949, Serial No. 1,147
Term of patent 14 years
(Cl. D4—3)



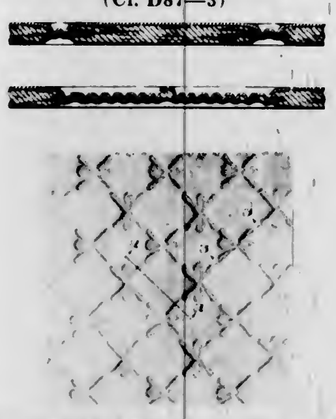
The ornamental design for a toilet paper holder, as shown and described.

165,840
QUILTED PLASTIC FILM MATERIAL OR THE LIKE
Daniel E. Hogan, Jr., Andover, Mass., assignor to Bolta Products Sales, Inc., Lawrence, Mass., a corporation of Massachusetts
Application September 29, 1951, Serial No. 16,786
Term of patent 14 years
(Cl. D87—3)



The ornamental design for quilted plastic film material or the like, substantially as shown.

165,841
QUILTED PLASTIC FILM MATERIAL OR THE LIKE
Daniel E. Hogan, Jr., Andover, Mass., assignor to Bolta Products Sales, Inc., Lawrence, Mass., a corporation of Massachusetts
Application October 4, 1951, Serial No. 16,833
Term of patent 14 years
(Cl. D87—3)



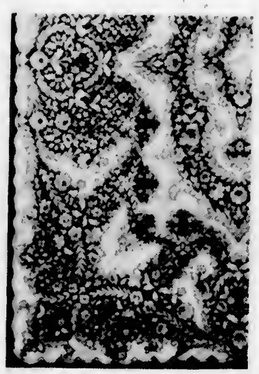
The ornamental design for quilted plastic film material or the like, substantially as shown.

165,842
MEDAL
Nathan Holz, Long Island City, N. Y.
Application August 12, 1948, Serial No. 148,079
Term of patent 14 years
(Cl. D29—2)



The ornamental design for a medal, as shown.

165,843
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,329
Term of patent 7 years
(Cl. D92—26)



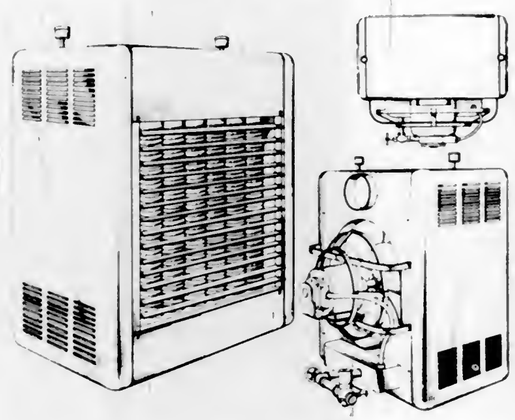
The ornamental design for a tablecloth substantially, as shown and described.

165,844
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,330
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially, as shown and described.

165,845
UNIT HEATER
George E. Hughes, Columbus, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application May 20, 1950, Serial No. 10,075
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a unit heater, as shown.

165,846
PERCOLATOR TOP
Nicholas B. Jagemann, Manitowoc, Wis., assignor to Aluminum Goods Manufacturing Company, Manitowoc, Wis., a corporation of New Jersey
Application August 9, 1951, Serial No. 16,219
Term of patent 14 years
(Cl. D44—26)



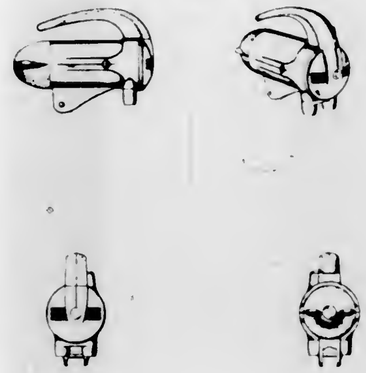
The ornamental design for a percolator top, substantially as shown and described.

165,847
ORNAMENTAL CHAIN
Christian F. Jager, Cranston, R. I., assignor to Armbrust Chain Company, a corporation of Rhode Island
Application March 17, 1951, Serial No. 14,529
Term of patent 14 years
(Cl. D45—16)



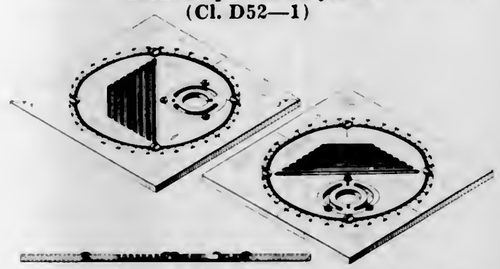
The ornamental design for an ornamental chain, as shown.

165,848
FOOD MIXER OR THE LIKE
Ivar Jepson, Oak Park, Ill., assignor to Sunbeam Corporation, Chicago, Ill., a corporation of Illinois
Application January 16, 1951, Serial No. 13,824
Term of patent 14 years
(Cl. D44—1)



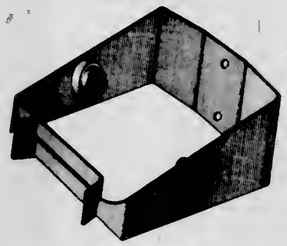
The ornamental design for a food mixer or the like, substantially as shown and described.

165,849
DRAFTING TEMPLATE
Rush Jordan, Dillon, Mont.
Application August 17, 1951, Serial No. 16,314
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a drafting template, substantially as shown.

165,850
TOILET PAPER HOLDER
Samuel M. Kandarian, Fowler, Calif.
Application March 1, 1949, Serial No. 1,147
Term of patent 14 years
(Cl. D4—3)



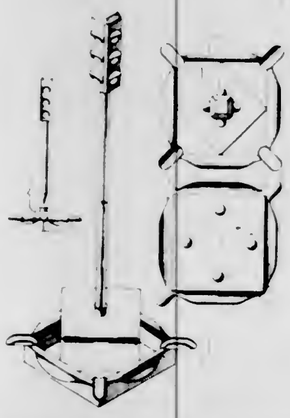
The ornamental design for a toilet paper holder, as shown and described.

165,851
BRASSIÈRE
Sarah Kaufman, New York, N. Y.
Application October 23, 1951, Serial No. 17,086
Term of patent 7 years
(Cl. D20—4)



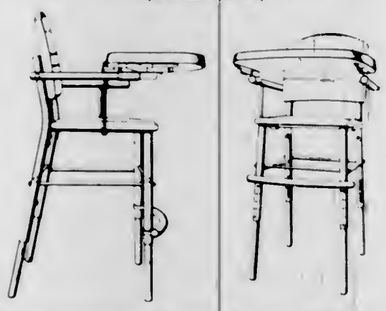
The ornamental design for a brassière, as shown.

165,852
COMBINED ASH TRAY AND WRITING INSTRUMENT
Earl Lewis, Philadelphia, Pa.
Application April 5, 1950, Serial No. 8,990
Term of patent 3½ years
(Cl. D74—1)



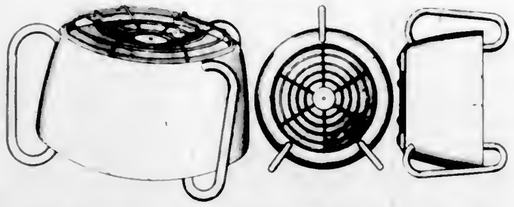
The ornamental design for a combined ash tray and writing instrument, as shown.

165,853
CHILD'S CHAIR
Matthias A. Lydon, Des Plaines, Ill.
Application September 1, 1949, Serial No. 4,802
Term of patent 7 years
(Cl. D15—8)



The ornamental design for a child's chair, as shown.

165,854
CIRCULATOR FAN OR SIMILAR DEVICE
Donald F. McCarron, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application July 1, 1950, Serial No. 10,925
Term of patent 14 years
(Cl. D26—7)



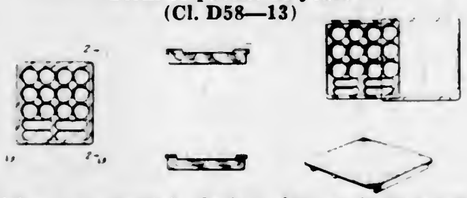
The ornamental design for a circulator fan or similar device, substantially as shown and described.

165,855
PLATE OR THE LIKE
Beatrice L. Miller, Cleveland, and Gordon Parker, Alliance, Ohio, assignors to Royal China Inc., Sebring, Ohio, a corporation of Ohio
Application August 28, 1951, Serial No. 16,462
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a plate or the like, substantially as shown and described.

165,856
TRANSPARENT CAPSULE AND TABLET POCKET CARRIER
Lee S. Mytinger, Long Beach, Calif., assignor of one-half to Wm. S. Casselberry, Long Beach, Calif.
Application May 15, 1950, Serial No. 9,954
Term of patent 14 years
(Cl. D58—13)



The ornamental design for a transparent capsule and tablet pocket carrier, as shown and described.

165,857
SAUCER OR SIMILAR ARTICLE
Carlton L. Nelson, East Aurora, N. Y., assignor to John Wanamaker Philadelphia, Philadelphia, Pa., a corporation of Pennsylvania
Application January 12, 1951, Serial No. 13,776
Term of patent 7 years
(Cl. D44—9)



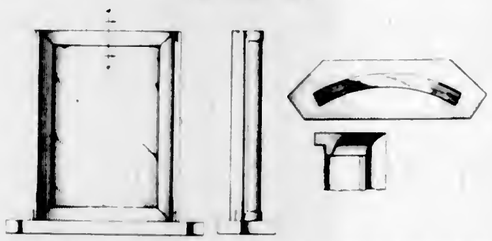
The ornamental design for a saucer or similar article, as shown.

165,858
CUP OR SIMILAR ARTICLE
Carlton L. Nelson, East Aurora, N. Y., assignor to John Wanamaker Philadelphia, Philadelphia, Pa., a corporation of Pennsylvania
Application January 12, 1951, Serial No. 13,777
Term of patent 7 years
(Cl. D44—9)



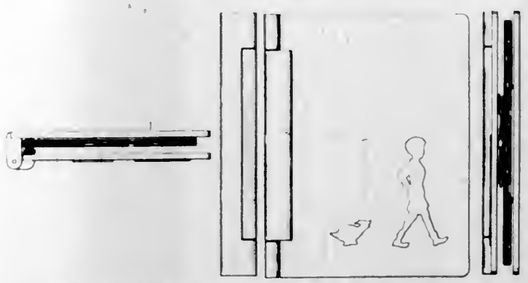
The ornamental design for a cup or similar article, as shown.

165,859
PHOTOGRAPH FRAME
Stephen Nemes, Chicago, Ill.
Application December 10, 1949, Serial No. 6,554
Term of patent 14 years
(Cl. D29—20)



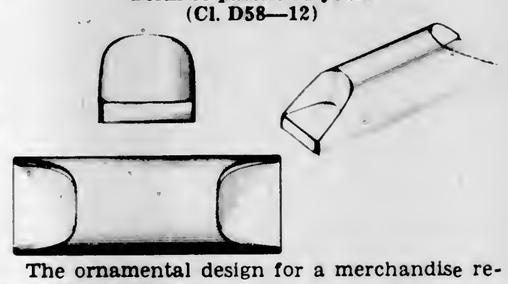
The ornamental design for a photograph frame, substantially as shown.

165,860
PHOTOGRAPH ALBUM
Roy E. Orvedahl, Minneapolis, Minn.
Application November 3, 1951, Serial No. 17,259
Term of patent 3½ years
(Cl. D6—2)



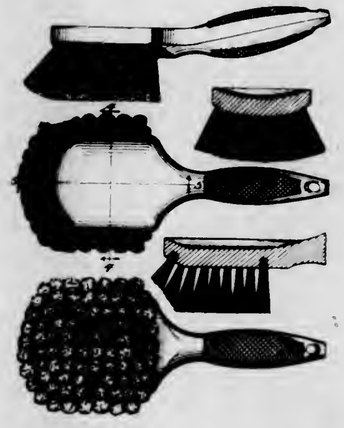
The ornamental design for a photograph album, substantially as shown and described.

165,861
MERCHANDISE RECEPTACLE
Richard E. Paige, New York, N. Y.
Application December 31, 1949, Serial No. 6,939
Term of patent 14 years
(Cl. D58—12)



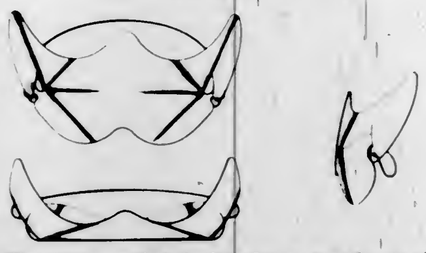
The ornamental design for a merchandise receptacle, as shown.

165,862
BRUSH
Melvin H. Partridge, Frederick, Md., assignor to Ox Fibre Brush Company, Inc., Frederick, Md.
Application December 26, 1950, Serial No. 13,591
Term of patent 14 years
(Cl. D9—2)



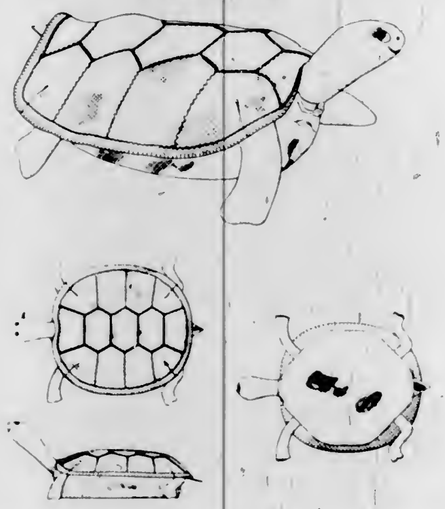
The ornamental design for a brush, as shown.

165,863
GOGGLE OR SIMILAR ARTICLE
Thomas V. Paulson, Fallbrook, Calif.
Application November 13, 1951, Serial No. 17,359
Term of patent 7 years
(Cl. D57—1)



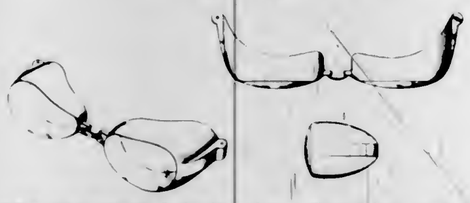
The ornamental design for a goggle or similar article, as shown.

165,864
CHILD'S HASSOCK
Mary W. Peters, Boulder, Colo.
Application January 16, 1950, Serial No. 7,288
Term of patent 14 years
(Cl. D15—8)



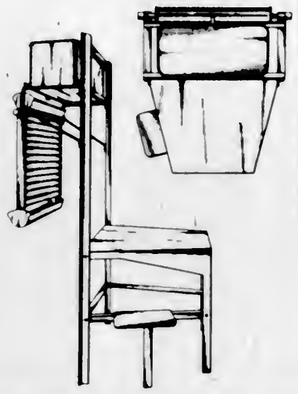
The ornamental design for a child's hassock, as shown.

165,865
FRONT FOR UNDERWATER GOGGLES
Russell A. Potts, Wichita, Kans., assignor to Kansas City Products Company, Kansas City, Mo.
Application June 8, 1951, Serial No. 15,460
Term of patent 7 years
(Cl. D57—1)



The ornamental design for a front for underwater goggles, as shown.

165,866
COMBINED MILK COOLER AND STAND
Clark E. Rathke, Seattle, Wash.
Application June 12, 1950, Serial No. 10,465
Term of patent 3½ years
(Cl. D23—1)



The ornamental design for a combined milk cooler and stand, as shown.

165,867
SAFETY RAZOR
Benjamin Harrison Rauff, Brooklyn, N. Y.
Application February 4, 1950, Serial No. 7,741
Term of patent 14 years
(Cl. D22—3)

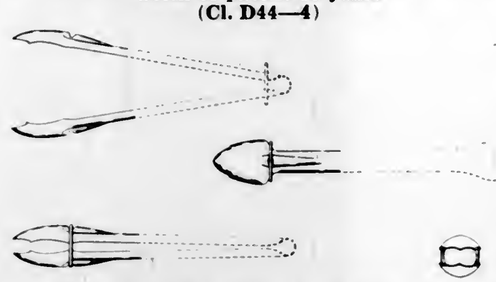
The ornamental design for a safety razor, substantially as shown and described.

165,868
MASK FOR DISGUISE OR THE LIKE
William A. Redlin, Encino, Calif., assignor to Redlin Productions, Inc., Los Angeles, Calif., a corporation of California
Application April 7, 1951, Serial No. 14,745
Term of patent 14 years
(Cl. D34—15)



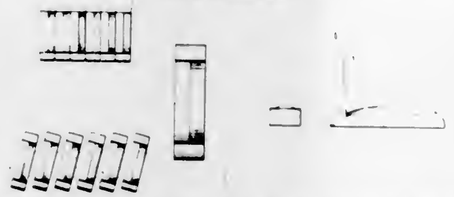
The ornamental design for a mask for disguise or the like, substantially as shown.

165,869
KITCHEN TONGS
Donald A. Reiner, Minneapolis, Minn., assignor to Brown & Bigelow, St. Paul, Minn.
Application September 1, 1950, Serial No. 12,026
Term of patent 14 years
(Cl. D44—4)



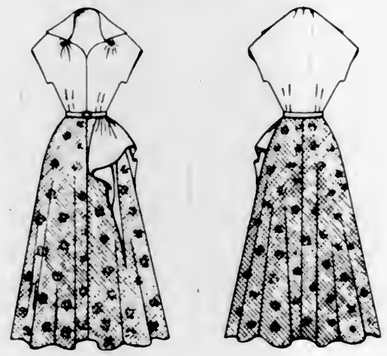
The ornamental design for kitchen tongs, as shown and described.

165,870
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Emil Rodriguez, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application November 3, 1951, Serial No. 17,263
Term of patent 7 years
(Cl. D45—4)



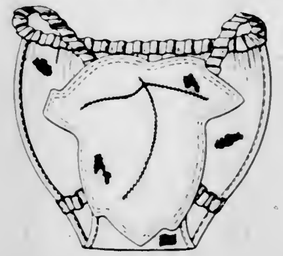
The ornamental design for an expansible link chain for a bracelet or the like, as shown and described.

165,871
DRESS
Irving Roth, New York, N. Y.
Application September 6, 1951, Serial No. 16,529
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

165,872
PANTIES OR SIMILAR ARTICLE
Sherry Royce, New York, N. Y.
Application May 8, 1950, Serial No. 9,810
Term of patent 14 years
(Cl. D3—17)



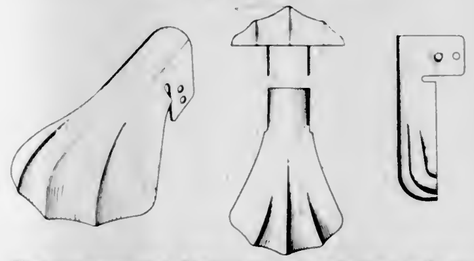
The ornamental design for panties or similar article as shown and described.

165,873
PLATE OR SIMILAR ARTICLE
George Rudd, Bedford, Ohio, assignor to The Walker China Company, Bedford, Ohio
Application October 16, 1951, Serial No. 16,951
Term of patent 14 years
(Cl. D44—15)



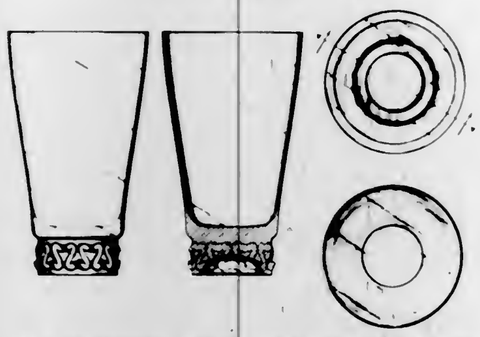
The ornamental design for a plate or similar article, substantially as shown and described.

165,874
EXHAUST DEFLECTOR
Linus E. Russell, Springfield, Ohio
Application August 1, 1949, Serial No. 4,233
Term of patent 14 years
(Cl. D14—6)



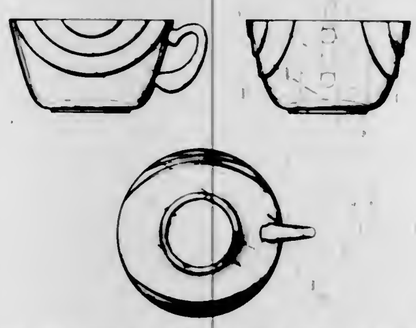
The ornamental design for an exhaust deflector, substantially as shown.

165,875
TUMBLER
George Sakier, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application January 5, 1951, Serial No. 13,676
Term of patent 14 years
(Cl. D36—8)



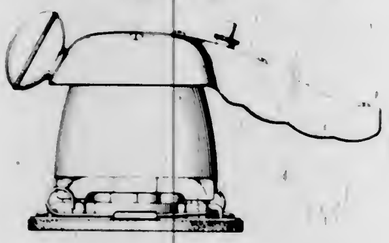
The ornamental design for a tumbler, as shown.

165,876
CUP
George Sakier, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application January 5, 1951, Serial No. 13,678
Term of patent 14 years
(Cl. D44—9)

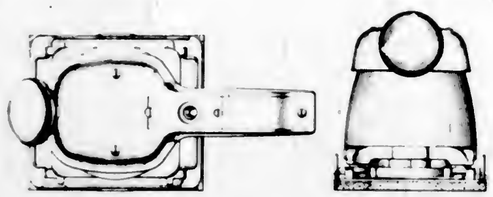


The ornamental design for a cup, as shown.

165,877
RUBBING MACHINE
Steven E. Scace, Cicero, Ill., assignor to Speedway Manufacturing Company, a corporation of Illinois
Application May 24, 1951, Serial No. 15,298
Term of patent 14 years
(Cl. D9—2)

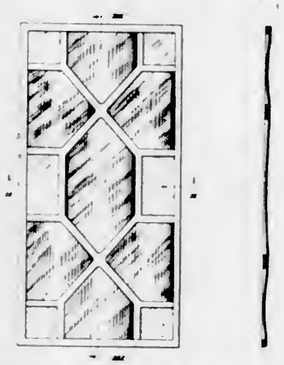


165,877—Continued



The ornamental design for a rubbing machine, as shown.

165,878
GRILLED GLASS PANEL
Archibald H. Schottland, Butler, Pa.
Application August 16, 1951, Serial No. 16,300
Term of patent 14 years
(Cl. D36—11)



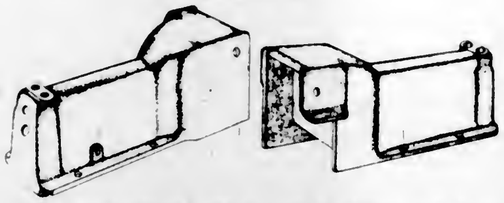
The ornamental design for a grilled glass panel, as shown.

165,879
EMBOSSED PLASTIC TABLE MAT
George F. Shewell, Baltimore, Md., assignor to Hedwin Corporation, Baltimore, Md., a corporation of Maryland
Application July 3, 1951, Serial No. 15,750
Term of patent 14 years
(Cl. D92—26)



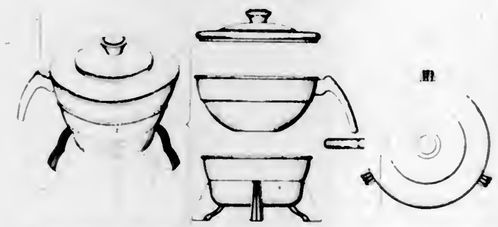
The ornamental design for an embossed plastic table mat, as shown.

165,880
CASING FOR STRIP MATERIAL FEEDER FOR ATTACHMENT TO SEWING MACHINES OR THE LIKE
Merton A. Sigoda, Brooklyn, N. Y., assignor to Man-Sew Corporation, New York, N. Y., a corporation of New York
Application May 8, 1950, Serial No. 9,778
Term of patent 14 years
(Cl. D70—2)



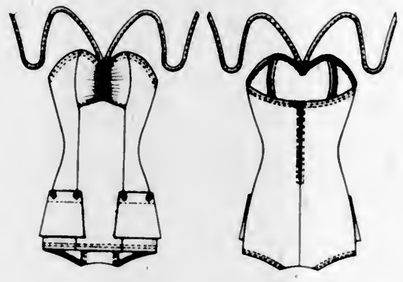
The ornamental design for a casing for strip material feeder for attachment to sewing machines or the like, substantially as shown.

165,881
ELECTRIC CORN POPPER
Emil E. Sivacek, Ann Arbor, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application June 11, 1951, Serial No. 15,493
Term of patent 14 years
(Cl. D81—10)



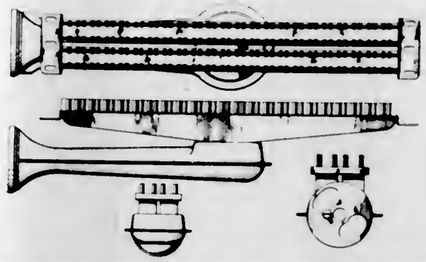
The ornamental design for an electric corn popper, as shown and described.

165,882
BATHING SUIT
Mortimer Solomon, New York, N. Y.
Application July 13, 1951, Serial No. 15,852
Term of patent 7 years
(Cl. D3—17)



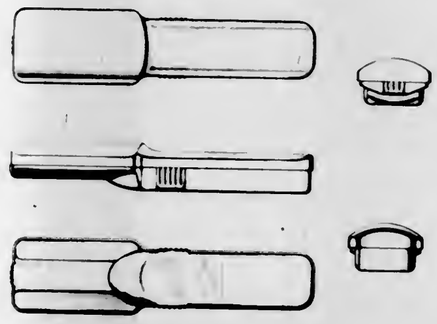
The ornamental design for a bathing suit, substantially as shown.

165,883
GAS BURNER
Ralph Elroy Solomon, Roy Shelton, and Charles W. Agee, Chattanooga, Tenn., assignors to Samuel Stamping & Enameling Company, Chattanooga, Tenn., a corporation of Tennessee
Application June 30, 1950, Serial No. 10,852
Term of patent 7 years
(Cl. D81—10)



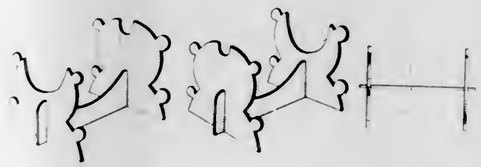
The ornamental design for a gas burner, substantially as shown.

165,884
HOLDER FOR HAIR CUTTER OR THE LIKE
Abraham N. Spanel, Princeton, N. J.
Application July 5, 1951, Serial No. 15,770
Term of patent 14 years
(Cl. D58—12)



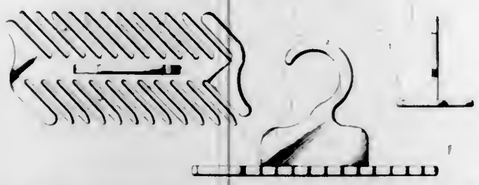
The ornamental design for a holder for hair cutter or the like, substantially as shown.

165,885
SUPPORTING RACK FOR A VACUUM COFFEE MAKER UPPER BOWL
William E. Taylor, Long Beach, Calif.
Application June 25, 1951, Serial No. 15,648
Term of patent 14 years
(Cl. D44—26)



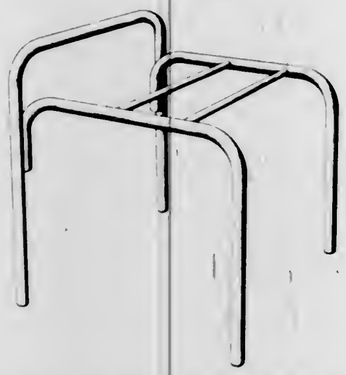
The ornamental design for a supporting rack for a vacuum coffee maker upper bowl, as shown.

165,886
NECKTIE RACK
Roland B. Thompson, Lincoln, Nebr.
Application November 5, 1951, Serial No. 17,277
Term of patent 14 years
(Cl. D33—8)



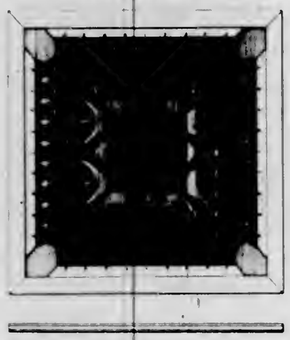
The ornamental design for a necktie rack, as shown.

165,887
LUGGAGE RACK OR SIMILAR ARTICLE
Frank Troccoli, Chicago, Ill., assignor to Waco Products, Inc., Chicago, Ill., a corporation of Illinois
Application January 20, 1950, Serial No. 7,366
Term of patent 14 years
(Cl. D33—14)



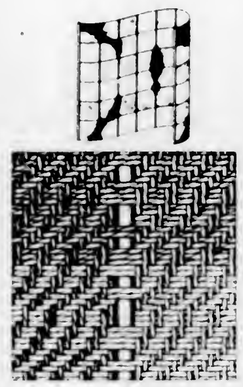
The ornamental design for a luggage rack or similar article, substantially as shown.

165,888
GAME BOARD
Eddie P. Truesdale, Rock Hill, S. C.
Application August 22, 1951, Serial No. 16,401
Term of patent 14 years
(Cl. D34—5)



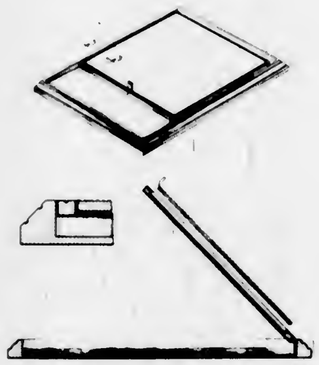
The ornamental design for a game board, as shown.

165,889
WOVEN SCREEN OR SIMILAR ARTICLE
Stanley E. Waite, Oshkosh, Wis., assignor to Waite Carpet Company, Oshkosh, Wis., a corporation of Wisconsin
Application January 7, 1950, Serial No. 7,068
Term of patent 14 years
(Cl. D92—4)



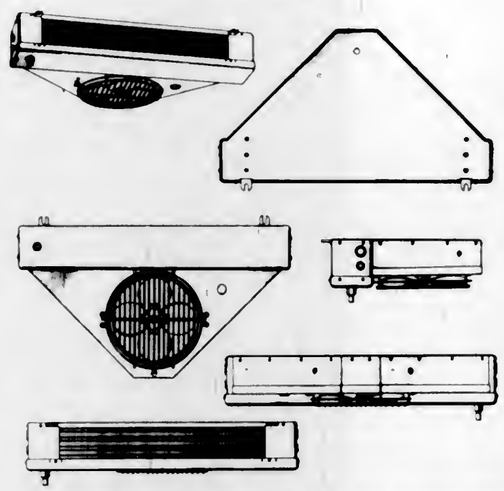
The ornamental design for a woven screen or similar article, as shown and described.

165,890
COMBINATION JEWELRY DISPLAY TRAY AND TISSUE PAPER CONTAINER
Carl Weissman, Bronx, N. Y.
Application October 22, 1949, Serial No. 5,644
Term of patent 14 years
(Cl. D80—5)



The ornamental design for a combination jewelry display tray and tissue paper container, as shown and described.

165,891
AIR COOLER
Daniel D. Wile, Whittier, Calif., assignor to Refrigeration Engineering, Inc., Los Angeles, Calif., a corporation of California
Application November 13, 1950, Serial No. 12,943
Term of patent 14 years
(Cl. D62—4)



The ornamental design for an air cooler, substantially as shown.

165,892
DINNER PLATE OR SIMILAR ARTICLE
Nettie Zimmerman, Los Angeles, Calif.
Application November 6, 1950, Serial No. 12,855
Term of patent 7 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown.

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UNITED STATES PATENT OFFICE

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Patents expiring: Patent Numbers 1,990,466 to 1,991,354, inclusive, issued February 12, 1935, expire February 12, 1952

February 12, 1952 Volume 655 Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Ada Milling Company, Ada, Okla. Mixed feed pellets. Serial No. 601,128, Feb. 12. Class 46.

Advance Solvents & Chemical Corporation, New York, N. Y. Chemical preparations. Serial No. 581,110, Feb. 12. Class 6.

Air Force Association, Washington, D. C. Jewelry, medals, badges, buckles, etc. Serial No. 613,661, Feb. 12. Class 28.

Albers Milling Company, Seattle, Wash., Portland, Oreg., and Oakland and Los Angeles, Calif. Cattle feed. Serial No. 574,127, Feb. 12. Class 46.

Alpina Union Horlogère, A. G., Biel, Switzerland. Watches and parts thereof. Serial No. 613,893, Feb. 12. Class 27.

American Art Metals Company, Atlanta, Ga. Metallic structural elements. Serial No. 556,861, Feb. 12. Class 12.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard rubber combs. Serial No. 615,104, Feb. 12. Class 40.

American Zyloptic Co., Inc., New York, N. Y. Eye-glass frames and the containers or receptacles. Serial No. 614,077, Feb. 12. Class 26.

Ames Company, Inc., Elkhart, Ind. Diagnostic tablet. Serial No. 614,419, Feb. 12. Class 18.

Amston Silver Co., Inc., Meriden, Conn. Silver flatware. Serial No. 613,153, Feb. 12. Class 28.

Ancienne Maison Louis Sanders, Societe Anonyme, Brussels, Belgium. Vitamin and mineral concentrates and compositions. Serial No. 589,236, Feb. 18. Class 18.

Anthracite Institute, Wilkes-Barre, Pa. Equipment for use with anthracite coal. Serial No. 556,238, Feb. 12. Class 34.

Aqua Glide Company, assignor to Marlowe A. Pichel, La Canada, Calif. Paddle boards and kick boards. Serial No. 601,865, Feb. 12. Class 22.

Armour and Company, Chicago, Ill. Beef extract. Serial No. 604,415, Feb. 12. Class 46.

Armour and Company, Chicago, Ill. Boilable and non-boilable sutures. Serial No. 611,467, Feb. 12. Class 44.

Atlas Mineral Products Company of Pennsylvania, The, Mertztown, Pa. Acid and alkali resistant synthetic resin base coating preparation, and solvent therefor. Serial No. 580,180, Feb. 12. Class 16.

Bacmo Postman Corporation, New York, N. Y. Glove leather. Serial No. 615,474, Feb. 12. Class 1.

Bainbridge, Kimpton and Haupt, Inc., assignee: *See*—
Hold-The-Phone! Inc.

Beacon Mills, New York, N. Y. Rayon, cotton, elasticized knitted, and rubber fabrics. Serial No. 609,907, Feb. 12. Class 42.

Becker's, Mrs., Noodle Co., Cleveland, Ohio. Noodles. Serial No. 590,008, Feb. 12. Class 46.

Becton Dickinson and Company, Rutherford, N. J. Hypodermic syringes. Serial No. 615,106, Feb. 12. Class 44.

Bemis Bro. Bag Company, St. Louis, Mo. Waterproof bags. Serial No. 490,917, Feb. 12. Class 2.

Bemis Bro. Bag Company, St. Louis, Mo. Coated fabric bags. Serial No. 617,646, Feb. 12. Class 2.

Benrus Watch Company, Inc., New York, N. Y. Watches. Serial No. 612,529, Feb. 12. Class 27.

Bergdoff Brewing Corporation, Fort Wayne, Ind. Beer. Serial No. 548,043, Feb. 12. Class 48.

Berkshire Knitting Mills, Reading and Wyomissing, Pa. Full fashioned hosiery. Serial No. 569,345, Feb. 12. Class 39.

Bertley Company, Incorporated, New York, N. Y. Seat covers and seat cushions. Serial No. 601,974, Feb. 12. Class 19.

Beverly Corporation, The, Chicago, Ill. Vitamin containing preparation. Serial No. 614,610, Feb. 12. Class 18.

Binney & Smith Company, New York, N. Y. Crayons. Serial Nos. 610,951–2, Feb. 12. Class 37.

Bishop, G. H., Company, Chicago, Ill. Metal pails. Serial No. 604,347, Feb. 12. Class 2.

Bishop, G. H., Company, Chicago, Ill. Electric control boxes. Serial No. 604,349, Feb. 12. Class 21.

Book Agents of the Methodist Episcopal Church, South, Nashville, Tenn. Books, pamphlets, and magazines. Serial No. 569,739, Feb. 12. Class 38.

Briarcraft, Inc., New York, N. Y. Tobacco pipes. Serial No. 544,251, Feb. 12. Class 8.

Briggs Bituminous Composition Co.: *See*—
Farber, John D.

Brown Company, Berlin, N. H. Kraft papers. Serial No. 615,152, Feb. 12. Class 37.

Buegeleisen & Jacobson, Inc., New York, N. Y. Accordions. Serial No. 606,263, Feb. 12. Class 36.

Cahill Manufacturing Co., Chicago, Ill. Lined brake shoes (riveted), and bonded brake shoes. Serial No. 579,306, Feb. 12. Class 19.

Carmack, V. Wesley, Arlington, Va. Series of cartoons. Serial No. 605,841, Feb. 12. Class 38.

Carney Company, Inc., The, Mankato, Minn. Concrete gravel mix. Serial No. 608,859, Feb. 12. Class 12.

Certain-teed Products Corporation, Ardmore, Pa. Plaster of calcined gypsum. Serial No. 611,758, Feb. 12. Class 12.

Chap Stick Co.: *See*—
Morton Manufacturing Corporation.

Cheramy, Inc., New York, N. Y. Personal deodorant. Serial No. 612,003, Feb. 12. Class 51.

Christians, H. C., Co., Chicago, Ill., and Johnson Creek, Wis. Cheese, cheese food, and butter. Serial No. 576,520, Feb. 12. Class 46.

Cohn, Leon, assignee: *See*—
Lewis, Paul N.

Colin Pharmacal Co., Inc., Long Island City, N. Y. Mineral and vitamin supplement preparation. Serial No. 604,071, Feb. 12. Class 18.

Colin Pharmacal Co., Inc., Long Island City, N. Y. Therapeutic vitamin preparation. Serial No. 604,072, Feb. 12. Class 18.

Columbia River Packers Association, Inc., Astoria, Oreg. Canned salmon. Serial No. 611,408, Feb. 12. Class 46.

Consolidated Cosmetics, Chicago, Ill. Perfume, lipstick, rouge, and face powder. Serial No. 555,160, Feb. 12. Class 51.

Cook, Harry M., doing business as Harry Cook Syndicate, New York, N. Y. Comic feature. Serial No. 613,291, Feb. 12. Class 38.

Cook, Harry, Syndicate: *See* —
Cook, Harry M.

Cory Corporation, assignee: *See*—
Kilsby, Perry, Inc.

Crosse & Blackwell Company, The, Baltimore, Md. Alcoholic beverages. Serial No. 598,986, Feb. 12. Class 49.

Crown Zellerbach Corporation, also doing business as Western Waxed Paper Company, San Francisco, Calif. Resin impregnated paper. Serial No. 615,630, Feb. 12. Class 37.

Crump, B. T., Company, Inc., Richmond, Va. Hassocks. Serial No. 599,749, Feb. 12. Class 32.

Danbury Rubber Co., Inc., The, Danbury, Conn. Floor and wall tile. Serial No. 615,372, Feb. 12. Class 12.

Dietzgen, Eugene, Co., Chicago, Ill. Drawing templates. Serial No. 534,252, Feb. 12. Class 26.

Di-Noc Company, The, Cleveland, Ohio. Wall board having a decorated surface. Serial No. 603,224, Feb. 12. Class 12.

Domore Chair Company, Inc., Elkhart, Ind. Office, household and factory chairs. Serial No. 615,487, Feb. 12. Class 32.

Ercona Camera Corporation, New York, N. Y. Cameras. Serial No. 613,978, Feb. 12. Class 26.

Extraction and Chemical Company, Inc., New York, N. Y. Mouth wash. Serial No. 584,444, Feb. 12. Class 51.

Farber, John D., doing business under the name of Briggs Bituminous Composition Co., Philadelphia, Pa. Bituminous compound paint coatings. Serial No. 599,506, Feb. 12. Class 16.

Farm Tools, Inc., Mansfield, Ohio. Hammer mills, corn shellers and portable conveyors. Serial No. 611,082, Feb. 12. Class 23.

Farnham's Flower Transparencies: *See*—
Farnham, George J.

Farnham, George J., doing business as Farnham's Flower Transparencies, Seattle, Wash. Transparencies. Serial No. 607,542, Feb. 12. Class 26.

Ficks Reed Co., Cincinnati, Ohio. Chairs, tables and settees. Serial No. 615,768, Feb. 12. Class 32.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils, aromatic chemicals. Serial No. 594,212, Feb. 12. Class 18.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural, synthetic, and imitation food flavors. Serial No. 602,253, Feb. 12. Class 46.

Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.

First Texas Chemical Manufacturing Co., Dallas, Tex. Hypnotic and sedative. Serial No. 595,128, Feb. 12. Class 18.

Fishing Gazette Publishing Corp., New York, N. Y. Periodical. Serial No. 568,103, Feb. 12. Class 38.

Florida Chemical Industries, Inc., Ocala, Fla. Liquid medical dressing. Serial No. 614,294, Feb. 12. Class 18.

Food Fair Stores, Inc., Philadelphia, Pa. Produce. Serial No. 565,327, Feb. 12. Class 46.

Formulator, Inc., Blue Island, Ill. Calculators. Serial No. 617,024, Feb. 12. Class 26.

French, Edward R., doing business as The Top Tunes Company, Ocean City, N. J. Sheet music. Serial No. 600,477, Feb. 12. Class 38.

Fromme, H. S., & Co., Inc., New York, N. Y. Coffee. Serial No. 608,206, Feb. 12. Class 46.
Gannon, John J., Houston, Tex. Income, estate, and inheritance tax services. Serial No. 612,011, Feb. 12. Class 101.
Gair, Robert, Company, Inc., New York, N. Y. Paperboard cartons. Serial No. 613,772, Feb. 12. Class 2.
Gardner Board and Carton Co., The, Middletown, Ohio. Boxes and cartons. Serial No. 611,349, Feb. 12. Class 2.
Gaw-O'Hara Envelope Co., Chicago, Ill. Mailing, correspondence and filing envelopes, letterheads, billheads, etc. Serial No. 545,840, Feb. 12. Class 37.
Germaine Monteil Cosmetiques Corporation, New York, N. Y. Face powders. Serial No. 596,910, Feb. 12. Class 51.
Gilbert Orchards, Inc., Yakima, Wash. Fresh apples. Serial No. 617,792, Feb. 12. Class 46.
Glenn, J. W., & Sons, New York, N. Y. Piece goods. Serial No. 609,547, Feb. 12. Class 42.
Granat Bros., San Francisco, Calif. Watches. Serial No. 593,485, Feb. 12. Class 27.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Candy. Serial No. 613,873, Feb. 12. Class 46.
Greetings Unlimited and Co., St. Paul, Minn. Greeting cards. Serial No. 602,507, Feb. 12. Class 38.
Grimsby Frozen Products Limited, Grimsby, England. Frozen fish. Serial No. 611,178, Feb. 12. Class 46.
Groller Society, Inc., The, New York, N. Y. Reading information service. Serial No. 582,619, Feb. 12. Class 101.
Haas-Miller Corporation, Philadelphia, Pa. Oleaginous liquid. Serial No. 581,875, Feb. 12. Class 52.
Haase, Wilbert W., Co., Forest Park, Ill. Asphaltic sealing composition. Serial No. 551,559, Feb. 12. Class 12.
Haines City Citrus Growers Association, Haines City, Fla. Fresh citrus fruits. Serial No. 531,797, Feb. 12. Class 46.
Hamm, Theo, Brewing Co., St. Paul, Minn. Beer. Serial Nos. 614,770–1, Feb. 12. Class 48.
Hanson, M. Parnell, Company: *See*—
Hanson, Maynard P.
Hanson, Maynard P., doing business as M. Parnell Hanson Company, Minneapolis, Minn. Electrically operated vegetable slicing machines. Serial No. 612,689, Feb. 12. Class 21.
Heath, L. S., & Sons, Inc., Robinson, Ill. Orangeade and lemonade. Serial No. 601,903, Feb. 12. Class 45.
Heller Brothers Company, Newark, N. J. Wrenches. Serial No. 601,263, Feb. 12. Class 23.
Holdenline Co., Cleveland, Ohio. Fluorescent lighting fixtures, ballast, starters, etc. Serial No. 514,655, Feb. 12. Class 21.
Hold-the-Phone! Inc., Detroit, Mich., assignor to Bainbridge, Kimpton and Haupt, Inc., New York, N. Y. Telephone-holder. Serial No. 494,448, Feb. 12. Class 21.
Insto-Gas Corporation, Detroit, Mich. Liquefied gas. Serial No. 613,848, Feb. 12. Class 6.
Interchemical Corporation, New York, N. Y. Printing inks. Serial No. 614,778, Feb. 12. Class 11.
International Schools Company of Latin America, Scranton, Pa. Printed lesson sheets, printed books, printed manuals, and printed pamphlets. Serial No. 616,173, Feb. 12. Class 38.
Interstate Coffee Company, Augusta, Ga. Coffee and chicory compound. Serial No 613,332, Feb. 12. Class 46.
Isgo Wall Paper Corporation, Chicago, Ill. Wall paper. Serial No. 615,069, Feb. 12. Class 37.
Jensen, George, Inc., New York, N. Y. Tableware made of stainless steel. Serial No. 605,553, Feb. 12. Class 23.
Kalamazoo Vegetable Parchment Co. Parchment, Mich. Wrapping paper. Serial No. 562,196, Feb. 12. Class 37.
Kay See Dental Mfg. Co., Kansas City, Mo. Synthetic resins for use in restorative dentistry. Serial No. 584,199, Feb. 12. Class 44.
Kennedy Brothers Arms Co., Inc., St. Paul, Minn. Baseballs, baseball bats, and baseball gloves. Serial No. 596,669, Feb. 12. Class 22.
Kent-Moore Organization Inc., Detroit, Mich. Hand clamping, cutting, tightening, bending, driving, pulling and work piece supporting tools, etc. Serial No. 552,985, Feb. 12. Class 23.
Kilsby, Perry, Inc., Los Angeles, Calif., assignor to Cory Corporation, Chicago, Ill. Electric dishwashers. Serial No. 571,809, Feb. 12. Class 21.
Kina Rok, Charenton (Seine), France. Apertive wine with quinquina. Serial No. 563,069, Feb. 12. Class 47.
Kinze's Cider Mill, Yakima, Wash. Frozen confections on sticks. Serial No. 612,126, Feb. 12. Class 46.
Kitchen Art Foods, Inc., Chicago, Ill. Baking mixes. Serial No. 532,463, Feb. 12. Class 46.
Klotz Confection Company, Inc., Louisville, Ky. Candy. Serial No. 621,773, Feb. 12. Class 46.
Kreisler, Jacques, Manufacturing Corporation, North Bergen, N. J. Wrist watch bands. Serial No. 613,776, Feb. 12. Class 28.
L. Lacroix Fils (London) Limited, Wembley, England. Tissue paper. Serial No. 615,783, Feb. 12. Class 37.
Laboratory Furniture Company, Inc., Long Island City, N. Y. Sinks; trays of sheet metal; soap dishes, etc. Serial No. 562,071, Feb. 12. Class 13.
La Maur, Inc., Minneapolis, Minn. Hair colour. Serial No. 592,709, Feb. 12. Class 51.
Lambert Company, The: *See*—
Moore, John Hudson, Inc.
La Rosa, Joseph, & Sons, Modesto, Calif. Fresh grapes. Serial No. 606,384, Feb. 12. Class 46.
Lemon Hart & Son Limited, London, England. Rum. Serial No. 589,445, Feb. 12. Class 49.
Levey, Fred'k H., Company, Inc., New York, N. Y. Printing inks. Serial No. 614,881, Feb. 12. Class 11.
Lewis, Paul N., Brooklyn, assignor to L. Cohn, New York, N. Y. Facial tissues. Serial No. 572,256, Feb. 12. Class 37.
Lincoln Paper Company, Chicago, Ill. Paper and cards. Serial No. 598,590, Feb. 12. Class 37.
Macbeth Corporation, Newburgh, N. Y. Electric lighting fixtures. Serial No. 616,562, Feb. 12. Class 21.
Magic Iron Cement Company: *See*—
Reich, Herman J.
Malmberg, Åke, Stockholm, Sweden. Razors and razor blades. Serial No. 610,284, Feb. 12. Class 23.
March Corporation, Chicago, Ill. Smoking pipes. Serial No. 500,481, Feb. 12. Class 8.
Marchant Textile Company, Inc., Greenville, S. C. Finishing of spun rayon and spun nylon fabrics. Serial No. 613,514, Feb. 12. Class 106.
Marine Products Company, San Diego, Calif. Canned tuna and frozen fish fillets, etc. Serial No. 615,608, Feb. 12. Class 46.
Maryland Biscuit Company, The, Baltimore, Md. Cheese crackers. Serial No. 525,901, Feb. 12. Class 46.
Mathieson Chemical Corporation, Baltimore, Md. Insecticides. Serial No. 615,072, Feb. 12. Class 6.
McDade, Clint, & Sons, Inc., Signal Mountain, Tenn. Flowers. Serial No. 612,408, Feb. 12. Class 1.
Michel Cosmetics, Inc., Long Island City, N. Y. Perfumes. Serial No. 610,709, Feb. 12. Class 51.
Model Industry Association, Chicago, Ill. Conducting and promoting activities in the hobby-model industry, etc. Serial No. 586,931, Feb. 12. Class 101.
Moore, John Hudson, Inc., New York, N. Y., now by merger The Lambert Company. Smokers' pipes. Serial No. 616,181, Feb. 12. Class 8.
Moravian Mills: *See*—
Southwick, Charles A., Jr.
Morris Instrument Corporation, New York, N. Y. Blood testing apparatus. Serial No. 615,339, Feb. 12. Class 26.
Morton Manufacturing Corporation, doing business under the name and style of Chap Stick Co., Lynchburg, Va. Liquid shaving cream. Serial No. 622,370, Feb. 12. Class 51.
Mud Products, Inc., Tulsa, Okla. Butterfly flapper valves. Serial No. 576,548, Feb. 12. Class 13.
N. V. Nederlandsche Wolspinnerij, Leiden, Netherlands. Periodicals and instruction booklets. Serial No. 603,973, Feb. 12. Class 38.
National Cylinder Gas Company, Chicago, Ill. Electrode carrying cases; welders' carrying cases; and cylinders. Serial No. 545,509, Feb. 12. Class 2.
Noble, F. H., & Co., Chicago, Ill. Ornamental boxes and cases. Serial No. 530,554, Feb. 12. Class 2.
Nolde and Horst Company, The, Reading, Pa. Women's hosiery. Serial No. 601,068, Feb. 12. Class 39.
Northfield Cheese Corporation, New York, N. Y. Cheese. Serial No. 606,480, Feb. 12. Class 46.
Northrop Aircraft, Inc., Hawthorne, Calif. Airplanes. Serial No. 596,002, Feb. 12. Class 19.
Nu-Art Engraving Co., Chicago, Ill. Greeting cards. Serial No. 612,971, Feb. 12. Class 38.
Nya Läderfabriks A/B Göta, Oregro, Sweden. Leather. Serial No. 611,802, Feb. 12. Class 1.
Oddy, Wm., & Company, Limited, Shipley, England. Woven piece goods. Serial No. 609,943, Feb. 12. Class 42.
Office Appliance Company, Chicago, Ill. Periodical. Serial No. 544,597, Feb. 12. Class 38.
Old Town Ribbon & Carbon Co., Inc., Brooklyn, N. Y. Copy paper. Serial No. 535,737, Feb. 12. Class 37.
Pangburn Company, Inc., Fort Worth, Tex. Candy. Serial No. 579,512, Feb. 12. Class 46.
Pantone Press, Inc., New York, N. Y. Compilation of colored sheets or tabs. Serial No. 614,409, Feb. 12. Class 38.
Peerless Textile Finishing Corp., New York, N. Y. Finishing of textile fabrics by rendering said fabrics shrink proof. Serial No. 606,318, Feb. 12. Class 106.
Penick, S. B., & Company, New York, N. Y. Chemicals, medicines, and pharmaceutical preparations. Serial No. 565,446, Feb. 12. Class 18.
Perfection Company, Ltd., The, Waco, Tex. Maltless soft drinks. Serial No. 555,444, Feb. 12. Class 45.
Pichel, Marlowe, A., assignee: *See*—
Aqua Glide Company.
Piel Bros., East New York and Brooklyn, N. Y. Beer. Serial Nos. 555,298–9, Feb. 12. Class 48.
Pixie Potters, Los Angeles, Calif. Articles made of ceramic clay. Serial No. 595,154, Feb. 12. Class 30.

Pond, A. H., Co., Inc., Syracuse, N. Y. Jewelry and costume jewelry. Serial No. 593,440, Feb. 12. Class 28.
Popex, Inc., Cincinnati, Ohio. Unpopped popcorn. Serial No. 591,952, Feb. 12. Class 46.
Potter Drug & Chemical Corporation, Malden, Mass. Cold cream and hand cream. Serial No. 604,544, Feb. 12. Class 51.
Prince Macaroni Manufacturing Company, Lowell, Mass. Macaroni. Serial No. 589,526, Feb. 12. Class 46.
Rauh, E., & Sons Fertilizer Co., Indianapolis, Ind. Tankage and fertilizer. Serial No. 615,411, Feb. 12. Class 10.
Register and Tribune Company, The, Des Moines, Iowa. Section in a newspaper. Serial No. 616,338, Feb. 12. Class 38.
Reich, Herman J., doing business as Magic Iron Cement Company, Cleveland, Ohio. Concrete and masonry iron water-proofing compound, plastic lead sealing compound, etc. Serial No. 605,055, Feb. 12. Class 12.
Richardson Company, The, Lockland, Cincinnati, Ohio. Separators for electric storage batteries. Serial No. 612,355, Feb. 12. Class 21.
Roberts, Maurice M., doing business as Romer Associates, Detroit, Mich. Bulk producing tablet. Serial No. 614,063, Feb. 12. Class 18.
Robertson Bros. & Co. Limited, London, England. Port wine. Serial No. 577,070, Feb. 12. Class 47.
Rolacreen Company, Pella, Iowa. Window screens. Serial No. 581,735, Feb. 12. Class 12.
Roman Cotton Goods Corp., New York, N. Y. Sheets and pillow cases. Serial No. 610,098, Feb. 12. Class 42.
Romer Associates: *See*—
Roberts, Maurice M.
Roy, Milton, Company, Philadelphia, Pa. Small capacity controlled volume measuring pump. Serial No. 612,828, Feb. 12. Class 26.
S. A. R. L. Societe d'Exploitation des Produits des Laboratoires Fournier et Cie. D'jon, France. Cellulosic dressing. Serial No. 565,971, Feb. 12. Class 44.
San Xavier Fish Packing Company, San Francisco, Calif. Canned sardines, canned sardines in mustard sauce, canned mackerel, etc. Serial No. 540,132, Feb. 12. Class 46.
Sargent & Company, New Haven, Conn. Carpenter's squares. Serial No. 608,571, Feb. 12. Class 26.
Schering Corporation, Bloomfield, N. J. Corticoid and vitamin preparation. Serial No. 603,548, Feb. 12. Class 18.
Scott, Foresman and Company, Chicago, Ill. Series of children's educational books and pamphlets. Serial No. 604,552, Feb. 12. Class 38.
Scruggs-Vandervoort-Barney, Inc., St. Louis, Mo. Electric fans. Serial No. 601,171, Feb. 12. Class 21.
Sears, Roebuck and Co., Chicago, Ill. Desk pads and blotters, photograph folders, writing paper, etc. Serial No. 570,521, Feb. 12. Class 37.
Semans, Thomas B., Jr., Philadelphia, Pa. Golf balls. Serial No. 613,608, Feb. 12. Class 22.
Seven Springs Tree Farm Co., Downingtown, Pa. Pure spring water. Serial No. 615,031, Feb. 12. Class 45.
Shell Chemical Corporation, New York, N. Y. Fertilizer distribution service. Serial No. 595,285, Feb. 12. Class 106.
Shelley Potteries Limited, Longton, Stoke-on-Trent, England. China tableware. Serial No. 545,780, Feb. 12. Class 30.
Shimmel, M., Sons, New York, N. Y. Toy return tops. Serial No. 613,308, Feb. 12. Class 22.
Sintering Machinery Corporation, Netcong, N. J. Apparatus for continuously receiving, weighing and discharging granular materials, etc. Serial No. 592,342, Feb. 12. Class 26.
Small Town & Farm Markets Institute, Incorporated, New Canaan, Conn. Published analyses relating to newspaper advertising. Serial No. 593,690, Feb. 12. Class 38.
Smith, Alexander, Incorporated: *See*—
Smith, Alexander, & Sons Carpet Company.
Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y., now by change of name Alexander Smith, Incorporated. Artificially crimped natural and synthetic textile fibers. Serial Nos. 607,765–6, Feb. 12. Class 1.
Smith-Dorsey Company, The, Lincoln, Nebr. Antihistaminic preparations. Serial No. 614,582, Feb. 12. Class 18.
Softskin Toys, Inc., New York, N. Y. Stuffed toys. Serial No. 606,684, Feb. 12. Class 22.
Southern California Fish Corporation, Terminal Island, Calif. Canned sardines. Serial No. 613,612, Feb. 12. Class 46.
Southwick, Charles A., Jr., doing business under the name and style of Moravian Mills, Hope, N. J. Wheat flour, pancake flour, buck-wheat pancake flour, etc. Serial No. 598,393, Feb. 12. Class 46.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Skis. Serial No. 606,497, Feb. 12. Class 22.
Standard Electric Time Company, The, Springfield, Mass. Electric resistor tubes. Serial No. 616,731, Feb. 12. Class 21.
Stanley Home Products, Inc., Westfield, Mass. Clothes brushes. Serial No. 597,021, Feb. 12. Class 29.
Stokes Moulded Products, Inc., Trenton, N. J. Hard rubber or plastic jars, buckets and cases. Serial No. 591,641, Feb. 12. Class 2.
Stop Publications, Inc., New York, N. Y. Magazine. Serial No. 616,342, Feb. 12. Class 38.
Stor-Aid Closet Accessories, Inc., New York, N. Y. Perforated card board cartons. Serial No. 570,131, Feb. 12. Class 2.
Sun Harbor Packing Company, assignor to Westgate-Sun Harbor Company, San Diego, Calif. Canned fish. Serial No. 545,180, Feb. 12. Class 46.
Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Autocollimeters, interferometers, microscopes, telescopes, etc. Serial No. 597,417, Feb. 12. Class 26.
Telecomputing Corporation, Burbank, Calif. Mechanical and electrical machine. Serial No. 615,914, Feb. 12. Class 26.
Thoresen, Wm., Co., Chicago, Ill. Plastic sprinkling cans. Serial No. 602,174, Feb. 12. Class 2.
Top Tunes Company, The: *See*—
French, Edward R.
United Biscuit Company of America, Chicago, Ill. Cookies and crackers. Serial No. 606,686, Feb. 12. Class 46.
Van Cleef Bros., Inc., Chicago, Ill. Brake fluid, shock absorber fluid and bearing blue. Serial No. 604,172, Feb. 12. Class 6.
Venus Foods, Los Angeles, Calif. Chocolate cookie bars filled with coconut. Serial No. 615,092, Feb. 12. Class 46.
Victaulic Company Limited, The, London, England. Packing rings and packing glands. Serial No. 615,198, Feb. 12. Class 35.
Video Corporation of America, Wilmington, Del., and New York, N. Y. Electronic devices. Serial No. 580,701, Feb. 12. Class 21.
Visilite Corp., Saginaw, Mich. Visors for motor vehicles. Serial No. 616,533, Feb. 12. Class 19.
Visking Corporation, The, Richmond, Va., and Chicago, Ill. Plastic film and sheets for use as wrapping and packaging material. Serial No. 615,956, Feb. 12. Class 37.
Vital Products Manufacturing Company, Cleveland, Ohio. Hand operated gun. Serial No. 613,097, Feb. 12. Class 23.
Wander Company, The, Chicago, Ill. Chocolate-malt flavored milk. Serial No. 586,895, Feb. 12. Class 46.
Washington Canners Cooperative, Vancouver, Wash. Canned fruits. Serial No. 552,025, Feb. 12. Class 46.
Waters Manufacturing Company, Culver City, Calif. Carbon papers and inked ribbons. Serial No. 614,529, Feb. 12. Class 11.
Wellman-Peck & Co., San Francisco, Calif. Canned vegetables, fruits, fruit juice, etc. Serial No. 544,013, Feb. 12. Class 46.
Wenatchee Wenoka Growers Assn., Wenatchee, Wash. Fresh deciduous fruits. Serial No. 570,238, Feb. 12. Class 46.
Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. Serial No. 526,048, Feb. 12. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; loose writing paper, etc. Serial No. 545,924, Feb. 12. Class 37.
Western Waxed Paper Company: *See*—
Crown Zellerbach Corporation.
Westgate-Sun Harbor Company, assignee: *See*—
Sun Harbor Packing Company.
Wilson, A. Reed, Co., Kansas City, Mo. Liquid self-polishing wax and liquid varnish. Serial No. 580,706, Feb. 12. Class 4.
Wolverine Paper Converting Machinery Corporation, Detroit, Mich. Printing machinery. Serial No. 592,178, Feb. 12. Class 23.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Medicated solution. 554,548, Feb. 12; Serial No. 548,218, published Oct. 30, 1951. Class 18.
Abercrombie, David T., Company, New York, N. Y. Pocket heaters. 554,628, Feb. 12; Serial No. 590,569, published Oct. 30, 1951. Class 34.
Abrams, Nicholas, Chicago, Ill. Carpet sweepers. 321,839, Feb. 19, 1935. Canceled Jan. 5, 1952. O. G. Feb. 12. Class 23.
Accurate Parts Manufacturing Company, Cleveland, Ohio. Automotive clutches and parts thereof, clutch plates, clutch facings and springs, etc. 554,568, Feb. 12; Serial No. 571,387, published Sept. 18, 1951. Class 23.
Acme Products Corporation, St. Joseph, Mo. Electronic insect killers. 554,859, Feb. 12; Serial No. 611,991. Class 21.
Aeroquip Corportion, Jackson, Mich. Hose. 554,695, Feb. 12; Serial No. 595,695, published Nov. 20, 1951. Class 35.

Aktiebolaget Svenska Flaktfabriken, Stockholm, Sweden. Gas and air conditioning apparatus. 554,587, Feb. 12; Serial No. 579,911, published Nov. 20, 1951. Class 34.

Aktieselskabet de Forenede Bryggerier, Copenhagen, Denmark. Cereal malt beverages. 283,927, renewed June 9, 1951. O. G. Feb. 12. Class 48.

Allied Dealers Supply Co.: *See*—
Feagan, Walter S.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Surface type heat exchangers, direct contact heat exchangers, deaerating heaters, etc. 554,815, Feb. 12; Serial No. 613,892, published Oct. 30, 1951. Class 34.

All-Steel Equipment Inc., Aurora, Ill. Construction materials. 554,552, Feb. 12; Serial No. 554,194, published Oct. 23, 1951. Class 12.

All-Steel Equipment Inc., Aurora, Ill. Construction materials. 554,555, Feb. 12; Serial No. 556,518, published Oct. 23, 1951. Class 12.

Alrose Chemical Company, Cranston, R. I. Wetting agent, penetrating and foaming agent. 554,546, Feb. 12; Serial No. 546,937, published June 7, 1949. Class 6.

Alumatic Corporation of America, West Allis, Wis. Combination storm-screens. 554,666, Feb. 12; Serial No. 602,819, published Oct. 30, 1951. Class 12.

American Artists' Color Works, Inc., Brooklyn, N. Y. Wooden boxes. 554,849, Feb. 12; Serial No. 602,013. Class 2.

American Chicle Company, Long Island City, N. Y. Chewing gum. 554,571, Feb. 12; Serial No. 572,010, published Oct. 30, 1951. Class 46.

American Felt Company, Glenville, Conn. Felt and felting. 554,729, Feb. 12; Serial No. 607,734, published Oct. 30, 1951. Class 50.

American Fluresit Company, The, Cincinnati, Ohio. Mined raw material. 280,435, Feb. 17, 1931. Corrected. O. G. Feb. 12. Class 1.

American Hair & Felt Company, Chicago, Ill. Hair carpet cushions. 554,577, Feb. 12; Serial No. 575,319, published Oct. 30, 1951. Class 50.

American Hospital Association, Chicago, Ill. Distribution of hospital care on a prepayment financing basis. 554,817, Feb. 12; Serial No. 531,753, published Feb. 21, 1950. Class 102.

American Hospital Association, Chicago, Ill. Distribution of hospital care on a pre-payment financing basis. 554,818, Feb. 12; Serial No. 535,447, published Feb. 21, 1950. Class 102.

American Roller Die Corporation, Cleveland, Ohio. Roll-forming machines, adjustable cradle reels, cutoff machines, etc. 554,657, Feb. 12; Serial No. 600,804, published Nov. 13, 1951. Class 23.

American Tobacco Company, The, New York, N. Y. Smoking tobacco. 554,636, Feb. 12; Serial No. 593,579, published Oct. 30, 1951. Class 17.

Animal Trap Company of America, Lititz, Pa. Traps. 554,714, Feb. 12; Serial No. 606,646, published Oct. 30, 1951. Class 50.

Annin & Co., New York, N. Y. Bunting. 86,118, renewed Apr. 16, 1952. O. G. Feb. 12. Class 42.

Apex Tire & Rubber Co., Pawtucket, R. I. Synthetic copolymer sheet material. 554,611, Feb. 12; Serial No. 585,737, published Oct. 30, 1951. Class 50.

Archer-Daniels-Midland Company, Minneapolis, Minn., and Cleveland, Ohio. Core binder oil. 554,674, Feb. 12; Serial No. 603,281, published Oct. 30, 1951. Class 5.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Hair waving lotion and neutralizer. 554,639, Feb. 12; Serial No. 593,852, published Oct. 30, 1951. Class 51.

Armco Steel Corporation, Middletown, Ohio. Stainless steel and chromium steel sheets. 514,598, Aug. 30, 1949. Canceled Jan. 8, 1952. O. G. Feb. 12. Class 14.

Arnat Packing Co., Brooklyn, N. Y. Cocoa and coffee. 554,594, Feb. 12; Serial No. 581,546, published Oct. 9, 1951. Class 46.

Atlantic Refining Company, The, Philadelphia, Pa. Petroleum waxes, lubricating greases, lubricating oils, and motor fuels. 554,688, Feb. 12; Serial No. 605,086, published Oct. 16, 1951. Class 15.

Atlas Overhead Door Company, Quakertown, Pa. Doors. 554,638, Feb. 12; Serial No. 593,645, published Oct. 30, 1951. Class 12.

Audley Engineering Company Limited, Newport, Shropshire, England. Valves. 554,596, Feb. 12; Serial No. 582,340, published Nov. 20, 1951. Class 13.

Automatic Washer Company, Newton, Iowa. Domestic laundry machines. 408,153, July 18, 1944. Canceled Jan. 9, 1952. O. G. Feb. 12. Class 24.

Automotive Advertisers Council, New Castle, Ind. Trade journals and circulars. 554,825, Feb. 12; Serial No. 608,487, published Nov. 13, 1951. Class 38.

Avica Corporation, Portsmouth, R. I. Flexible hose assemblies, comprising hose and flexible pipe. 554,801, Feb. 12; Serial No. 611,752, published Nov. 27, 1951. Class 35.

B. B. Chemical Co., Boston, Mass. Thermoplastic cement. 554,563, Feb. 12; Serial No. 568,488, published Oct. 30, 1951. Class 5.

Ballymore Company, The, Wayne, Pa. Ladders. 554,712, Feb. 12; Serial No. 606,504, published Oct. 30, 1951. Class 50.

Bard & Margolies, Inc., Brooklyn, N. Y. Candles. 554,664, Feb. 12; Serial No. 602,485, published Nov. 6, 1951. Class 46.

Barker Poultry Equipment Co., Ottumwa, Iowa. Poultry feeding batteries, poultry wire coops, and poultry water fountains. 554,631, Feb. 12; Serial No. 592,298, published Oct. 30, 1951. Class 50.

Barrett, Leon J., Co., The, Millbury, Mass. Centrifugal machinery and equipment. 554,530, Feb. 12; Serial No. 532,405, published Oct. 2, 1951. Class 23.

Barry-Wehmiller Machinery Company, St. Louis, Mo. Machines and machinery for heating and cooling beverages, etc. 554,567, Feb. 12; Serial No. 571,315, published Nov. 20, 1951. Class 34.

Baus Manufacturing Company: *See*—
Baus, Marvin S.

Baus, Marvin S., doing business as Baus Manufacturing Company, Hopkinsville, Ky. Work gloves. 373,054, Nov. 21, 1939. Canceled Jan. 5, 1952. O. G. Feb. 12. Class 39.

Baxter, Don, Inc., Glendale, Calif. Intravenous solutions. 321,355, Jan. 29, 1935. Canceled Dec. 6, 1951. O. G. Feb. 12. Class 18.

Baxter, Don, Inc., Glendale, Calif. Container dispenser for intravenous solutions, equipment for conducting fluids to or from a container and a patient, etc. 437,839, Mar. 30, 1948. Canceled Dec. 6, 1951. O. G. Feb. 12. Class 44.

Baxter, Don, Inc., Glendale, Calif. Booklets. 500,037, Apr. 6, 1948. Canceled Dec. 6, 1951. O. G. Feb. 12. Class 38.

Beenstock, Jack N., trading as Standard Kiddies Sportswear, Brooklyn, N. Y. Children's snow suits. 524,203, Apr. 18, 1950. Canceled Jan. 5, 1952. O. G. Feb. 12. Class 39.

Berg Sales Co., Chicago, Ill. Knives and cleavers. 554,830, Feb. 12; Serial No. 559,828. Class 23.

Bersworth, Frederick C.: *See*—
Martin-Dennis Company, The.

Bien Trading Company, Inc., New York, N. Y. Canned tuna, crabmeat, shrimp, etc. 554,798, Feb. 12; Serial No. 611,596, published Nov. 6, 1951. Class 46.

Black Diamond Paint & Varnish Works, Inc., The, Cincinnati, Ohio. Interior paints and pigmented sealers. 554,547, Feb. 12; Serial No. 547,309, published Nov. 6, 1951. Class 16.

Bliss, E. W., Company, Detroit, Mich., and Toledo, Ohio. Hydraulic metal working presses. 554,532, Feb. 12; Serial No. 533,664, published Oct. 23, 1951. Class 23.

Blooker's Cacao-en Chocolade-Fabrieken N. V., Amsterdam, Netherlands. Cocoa powder. 554,802, Feb. 12; Serial No. 611,753, published Nov. 27, 1951. Class 46.

Bostrom Manufacturing Company, Milwaukee, Wis. Seat mountings and suspensions, seats and seat cushions for use on tractors, etc. 554,684, Feb. 12; Serial No. 604,188, published Sept. 25, 1951. Class 23.

Bowser, Inc.: *See*—
Bowser, S. F., & Company, Inc.

Bowser, S. F., & Company, Inc., to Bowser, Inc., Fort Wayne, Ind. Oil purifying and reclaiming apparatus for reclaiming, purifying, and filtering oils, etc. 290,571, renewed Jan. 12, 1952. O. G. Feb. 12. Class 31.

Bradentown Citrus Growers Association, Bradentown, to Domino Citrus Association, Bradenton, Fla. Oranges, lemons, grape-fruit, etc. 83,982, re-renewed Oct. 31, 1951. O. G. Feb. 12. Class 46.

Brasington Corporation, Cincinnati, Ohio, assignor to Troy Engine & Machine Company, York, Pa. Motor driven, high speed, three-roll mills. 554,612, Feb. 12; Serial No. 586,233, published Oct. 30, 1951. Class 23.

Breon, George A., & Company, New York, N. Y. Lipotropic agent. 554,780, Feb. 12; Serial No. 610,819, published Oct. 30, 1951. Class 18.

Brewer & Company, Inc., Worcester, Mass. General tonic. 287,399, renewed Sept. 22, 1951. O. G. Feb. 12. Class 18.

Brillo Manufacturing Company, Inc., Brooklyn, N. Y. Metal fibre. 291,010, renewed Jan. 26, 1952. O. G. Feb. 12. Class 14.

Briskey, John F., Birmingham, Ala. Printed trade cards, trading stamps, and books of trading stamps. 554,554, Feb. 12; Serial No. 556,244, published Nov. 20, 1951. Class 38.

Brown Container Company, Inc., West Monroe, La. Corrugated and laminated paperboard boxes and cartons, etc. 554,581, Feb. 12; Serial No. 577,365, published Nov. 20, 1951. Class 2.

Brown, Fred A., Company, Grand Rapids, Mich. Furniture polish and cleaner. 554,627, Feb. 12; Serial No. 590,544, published Nov. 20, 1951. Class 4.

Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 292,684, renewed Mar. 22, 1952. O. G. Feb. 12. Class 39.

Buckeystown Canning Company, The, Buckeystown, Md. Canned sweet corn, succotash, and lima beans. 554,580, Feb. 12; Serial No. 576,846, published Nov. 21, 1950. Class 46.

Burrus Mills, Incorporated: *See*—
Collin County Mill & Elevator Co.

C-F Enterprises, San Francisco, Calif. Feminine hygiene calendar. 554,640, Feb. 12; Serial No. 594,196, published Nov. 13, 1951. Class 38.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 554,810, Feb. 12; Serial No. 612,385, published Nov. 27, 1951. Class 6.

Cal Products Company, Los Angeles, Calif. Composition having germicidal and softening properties. 554,799, Feb. 12; Serial No. 611,600, published Nov. 20, 1951. Class 6.

California Canning Peach Growers, San Francisco, to Salinas Valley Vegetable Exchange, Salinas, Calif. Canned fruit, canned vegetables, catsup, etc. 292,419, renewed Mar. 15, 1952. O. G. Feb. 12. Class 46.

California Vegetable Concentrates, Inc., Huntington Park, Calif. Periodical. 554,778, Feb. 12; Serial No. 610,737, published Nov. 20, 1951. Class 38.

Campbell Products Co., Bensenville, Ill. Shaving cream and dispenser sold as a unit. 554,850, Feb. 12; Serial No. 602,305. Class 51.

Capitol Products, Springfield, Ill. Garage doors. 554,829, Feb. 12; Serial No. 554,363. Class 12.

Carnac Cottons, Inc., to Carnac, Inc., New York, N. Y. Cotton piece goods. 290,681–2, renewed Jan. 12, 1952. O. G. Feb. 12. Class 42.

Carnac, Inc.: *See*—
Carnac Cottons, Inc.

Carter Products, Inc., New York, N. Y. Depilatory. 547,794, Sept. 11, 1951. Canceled Jan. 11, 1952. O. G. Feb. 12. Class 51.

Carter's Ink Company, The, Cambridge, Mass. Mucilage and adhesive paste. 292,692, renewed Mar. 22, 1952. O. G. Feb. 12. Class 5.

Casco Products Corporation, Bridgeport, Conn. Fender guides. 289,360, renewed Nov. 24, 1951. O. G. Feb. 12. Class 19.

Cast's, Edna, Garden of the Setting Sun: *See*—
Garden of the Setting Sun, Inc.

Central Petroleum Company, Cleveland, Ohio. Exterior aluminum paint. 554,535, Feb. 12; Serial No. 534,741, published Oct. 9, 1951. Class 16.

Central Popcorn Company, Schaller, Iowa. Raw popcorn. 554,629, Feb. 12; Serial No. 591,457, published Nov. 6, 1951. Class 46.

Chamberlain, F. B., Company, St. Louis, Mo. Flavoring extracts, buckwheat, rye, wheat and graham flour, farina, etc. 84,081, re-renewed Nov. 7, 1951. O. G. Feb. 12. Class 46.

Chemicals, Inc., assignor to Indian Drilling Mud Co., Inc., Britton, Okla. Paint. 554,575, Feb. 12; Serial No. 574,209, published Feb. 14, 1950. Class 16.

Chemstrand Corporation, The, Philadelphia, Pa. Synthetic and natural resinous materials. 554,615, Feb. 12; Serial No. 586,620, published Oct. 30, 1951. Class 1.

Chr. Bjelland & Co. Inc., New York, N. Y. Canned fish and canned mushrooms. 554,559, Feb. 12; Serial No. 567,179, published Apr. 17, 1951. Class 46.

Cinderella Foods: *See*—
Stevens Industries, Inc.

Clark, Willie L., Charleston, W. Va. Hair dressing. 554,591, Feb. 12; Serial No. 581,323, published Oct. 30, 1951. Class 51.

Clover Farm Stores: *See*—
Clover Farm Stores Corporation.

Clover Farm Stores Corporation, doing business under the name Clover Farm Stores, Cleveland, Ohio. Razor blades, paper spoons, paper forks, etc. 537,578, Feb. 13, 1951. Canceled Dec. 12, 1951. O. G. Feb. 12. Class 23.

Clover Farm Stores Corporation, Cleveland, Ohio. Dental cream, mouth wash, laxative tablets, etc. 554,561, Feb. 12; Serial No. 568,350, published Oct. 23, 1951. Class 51.

Cochran Co., Inc., Tracy, Calif. Fresh deciduous fruits and fresh vegetables. 554,553, Feb. 12; Serial No. 554,947, published Nov. 6, 1951. Class 46.

Collin County Mill & Elevator Co., to Burrus Mills, Incorporated, Dallas, Tex. Poultry and stock feed. 289,229, Nov. 24, 1931. New certificate. O. G. Feb. 12. Class 46.

Colorado Seminary (University of Denver), Denver, Colo. Printed posters and graphic charts. 554,572, Feb. 12; Serial No. 572,087, published Oct. 30, 1951. Class 38.

Columbia Bedding Company, The: *See*—
Columbia Feather Company.

Columbia Feather Company, to The Columbia Bedding Company, Chicago, Ill. Pillows. 266,692, renewed Jan. 28, 1950. O. G. Feb. 12. Class 32.

Comas, John, New York, N. Y. Candy, bread, canned fruits and vegetables, etc. 366,013, Mar. 28, 1939. Canceled Jan. 5, 1952. O. G. Feb. 12. Class 46.

Comfort Equipment Company, Kansas City, Mo. Umbrellas. 554,772, Feb. 12; Serial No. 610,413, published Nov. 13, 1951. Class 41.

Compressed Air Magazine Company, Phillipsburg, N. J. Magazine. 554,689, Feb. 12; Serial No. 605,285, published Nov. 20, 1951. Class 38.

Continental Athletic Supply: *See*—
Holt, Laird B.

Continental Oil Company, Ponca City, Okla. Lubricating oil. 554,618, Feb. 12; Serial No. 587,250, published Oct. 30, 1951. Class 15.

Cooper, Henry F., doing business as Henry F. Cooper Fish Bait Co., Fort Worth, Tex. Pickled shrimp bait. 554,788, Feb. 12; Serial No. 611,171, published Nov. 20, 1951. Class 22.

Cooper, Henry F., Fish Bait Co.: *See*—
Cooper, Henry F.

Cooper Mattress Manufacturing Company, Columbus, Ga. Mattresses, bed springs, box springs, etc. 554,843, Feb. 12; Serial No. 596,216. Class 32.

Crab Orchard Stone Co., Inc., to Bessie B. Oman, executrix of the estate of John Oman, Jr., deceased, doing business as Oman Construction Co., Nashville, Tenn. Quartzite. 289,322, renewed Nov. 24, 1951. O. G. Feb. 12. Class 1.

Crane & Crane: *See*—
Crane, Francis G., Jr.

Crane, Francis G., Jr., doing business under the name Crane & Crane, Brewster, Wash. Fresh apples. 554,846, Feb. 12; Serial No. 600,468. Class 46.

Cussons, Sons & Company, Limited, Kersal, England. Shaving soap. 291,220, renewed Feb. 2, 1952. O. G. Feb. 12. Class 51.

Cutter Laboratories, Berkeley, Calif. Glass bottles, for shipping and dispensing parenteral solutions. 554,598, Feb. 12; Serial No. 582,390, published Oct. 30, 1951. Class 44.

Daisy Battery Corp. to United States Electric Mfg. Corp., New York, N. Y. Electric batteries. 284,263, renewed June 23, 1951. O. G. Feb. 12. Class 21.

Davidson Enamel Products, Inc., Lima, Ohio. Porcelain enamel sheet siding. 554,595, Feb. 12; Serial No. 581,761, published Oct. 23, 1951. Class 12.

Davis Paint Co., North Kansas City, Mo. Varnish. 440,983, Oct. 12, 1948. Republished Feb. 12. Class 16.

Davis Paint Co., North Kansas City, Mo. Ready mixed oil paint. 444,135, Aug. 8, 1950. Republished Feb. 12. Class 16.

DeMert & Dougherty, Inc., Chicago, Ill. Disinfectants, insecticides, insect sprays, etc., for general industrial use. 554,524, Feb. 12; Serial No. 509,504, published Oct. 23, 1951. Class 15.

Dennison Manufacturing Company, Framingham, Mass. Publication. 554,792, Feb. 12; Serial No. 611,262, published Nov. 20, 1951. Class 38.

Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Double-strength white paste paint. 554,557, Feb. 12; Serial No. 559,464, published Sept. 25, 1951. Class 16.

Dindem, Inc., Leominster, Mass. Barrettes. 554,613, Feb. 12; Serial No. 586,402, published Oct. 2, 1951. Class 40.

Diamond Alkali Company, Cleveland, Ohio. Soda ash, caustic soda, and modified forms of each. 554,592, Feb. 12; Serial No. 581,326, published Nov. 20, 1951. Class 6.

Diamond Match Company, The, New York, N. Y. Toothpicks. 554,620, Feb. 12; Serial No. 588,278, published Oct. 30, 1951. Class 44.

Diana Manufacturing Company, Green Bay, Wis. Sanitary pads. 292,008, renewed Mar. 1, 1952. O. G. Feb. 12. Class 44.

Dictograph Products Company, Inc.: *See*—
National Dictograph Co.

Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh fruits. 554,616, Feb. 12; Serial No. 586,730, published Oct. 30, 1951. Class 46.

Ditta Frugone & Preve, S. p. A.: *See*—
Frugone & Preve.

Dolly Toy Company, The, Tipp City, Ohio. Wall pictures. 554,604, Feb. 12; Serial No. 583,900, published Nov. 20, 1951. Class 38.

Domino Citrus Association: *See*—
Bradentown Citrus Growers Association.

Donley Brothers Company, The, Cleveland, Ohio. Wooden, metal, or plastic mortar boxes, cast iron fire baskets. 554,702, Feb. 12; Serial No. 596,902, published Nov. 20, 1951. Class 2.

Donovan, F. C., Inc., Boston, Mass. Leather. 554,682, Feb. 12; Serial No. 603,955, published Oct. 30, 1951. Class 1.

Douglas Fir Plywood Association, Tacoma, Wash. Plywood. 554,824, Feb. 12; Serial No. 596,399, published Sept. 25, 1951. Class 12.

Dracco Corporation, Cleveland, Ohio. Metal awnings, door hoods, and louver awnings. 554,745, Feb. 12; Serial No. 608,861, published Oct. 30, 1951. Class 12.

Duggan, Charles E., doing business under the fictitious firm name and style of Charles E. Duggan Co., Pomona, Calif. Lime sulfur insecticide solution and petroleum hydrocarbon weed killer. 554,786, Feb. 12; Serial No. 611,127, published Nov. 27, 1951. Class 6.

Duggan, Charles E., Co.: *See*—
Duggan, Charles E.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Synthetic polyester fibers. 554,811, Feb. 12; Serial No. 612,449, published Nov. 13, 1951. Class 1.

Du Val, Audrea, Laboratories: *See*—
Ferguson, J. T.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Chemical for making photographic stop bath. 554,808, Feb. 12; Serial No. 612,315, published Nov. 27, 1951. Class 6.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Chemical for making photographic fixing bath. 554,809, Feb. 12; Serial No. 612,316, published Nov. 27, 1951. Class 6.

Edmundson-Duhe Rice Mill Co., Inc., Rayne, La. Packaged milled rice. 554,528, Feb. 12; Serial No. 518,211, published Aug. 1, 1950. Class 46.

Electro Manufacturing Corporation, Chicago, Ill. Fluorescent lighting fixtures. 554,858, Feb. 12; Serial No. 611,948. Class 21.

Engelton Watch Company, Inc., New York, N. Y. Watches, watch movements, watch cases, and parts thereof. 554,650, Feb. 12; Serial No. 599,319, published Oct. 30, 1951. Class 27.

Enicar, S. A., Lengnau, Switzerland. Watch movements, watches, clocks, and watch dials. 554,597, Feb. 12; Serial No. 582,381, published Oct. 30, 1951. Class 27.

Erie City Iron Works, Erie, Pa. Steam generators. 554,723, Feb. 12; Serial No. 607,074, published Nov. 20, 1951. Class 34.

Eterna, S. A., Grenchen, Switzerland. Watches and parts of watches. 554,609, Feb. 12; Serial No. 585,043, published Oct. 30, 1951. Class 27.

Evans, John R., & Company, Camden, N. J. Leather. 554,766, Feb. 12; Serial No. 610,123, published Nov. 6, 1951. Class 1.

Ever Tempting Food Products Corp., New York, N. Y. Fried shrimp. 554,633, Feb. 12; Serial No. 592,888, published Nov. 20, 1951. Class 46.

Farmers & Consumers Dairy: *See*—
Johnson, J. Seward.

Feagan, Walter S., doing business as Allied Dealers Supply Co., Los Angeles, Calif. Wheeled stand. 554,529, Feb. 12; Serial No. 520,274, published Nov. 13, 1951. Class 13.

Federal Prison Industries, Inc., Washington, D. C. Tobacco products. 554,738, Feb. 12; Serial No. 608,204, published Oct. 30, 1951. Class 17.

Feldman, N. R., doing business as Miracle Breeze Cooler Manufacturing Company, Tucson, Ariz. Electrically operated evaporative type cooler. 554,665, Feb. 12; Serial No. 602,610, published Nov. 6, 1951. Class 34.

Ferguson, J. T., doing business as Audrea du Val Laboratories, Chicago, Ill. Perfume, toilet water, face powder, etc. 554,694, Feb. 12; Serial No. 595,598, published Oct. 30, 1951. Class 51.

Finkel Umbrella Frame Company, Inc., The, New York, N. Y. Umbrella frames. 554,677, Feb. 12; Serial No. 603,442, published Sept. 25, 1951. Class 41.

Firestone Tire & Rubber Company, The, Akron, Ohio. Rayon tire patches. 554,648, Feb. 12; Serial No. 598,581, published Nov. 20, 1951. Class 35.

Firestone Tire & Rubber Company, The, Akron, Ohio. Plastic films and sheets. 554,678, Feb. 12; Serial No. 603,479, published Nov. 13, 1951. Class 1.

Flavor Corporation of America, Chicago, Ill. Stock feed flavors. 554,727, Feb. 12; Serial No. 607,379, published Oct. 30, 1951. Class 46.

Fleming-Hall Tobacco Co., Inc., New York, N. Y. Cigars. 554,776, Feb. 12; Serial No. 610,548, published Nov. 13, 1951. Class 17.

Flotill Products, Incorporated, Stockton, Calif. Dietic line of canned fruits. 554,848, Feb. 12; Serial No. 601,321. Class 46.

Food Machinery and Chemical Corporation, San Jose, Calif. Parasiticides. 554,588, Feb. 12; Serial No. 580,189, published Nov. 20, 1951. Class 6.

Forman, Ford & Company, Minneapolis, Minn. Moisture-repellent penetrating coating for masonry material. 554,560, Feb. 12; Serial No. 567,250, published Oct. 30, 1951. Class 12.

Fox-Shulman, Inc., Philadelphia, Pa. Magazines. 554,795, Feb. 12; Serial No. 611,516, published Nov. 20, 1951. Class 38.

Frieder, S., & Sons Company, The, Cincinnati, Ohio, and Philadelphia, Pa. Cigars. 554,709, Feb. 12; Serial No. 606,194, published Oct. 30, 1951. Class 17.

Frugone & Preve, to Ditta Frugone & Preve S. p. A., Genova, Italy. Rice. 279,235, renewed Jan. 13, 1951. O. G. Feb. 12, 1952. Class 46.

Furmoto Chemical Company: *See*—
Thornfield, Charles.

Gamble-Robinson Co.: *See*—
Pacific Gamble Robinson Company.

Garden of the Setting Sun, Inc., also doing business as Edna Cast's Garden of the Setting Sun, Mecca, Calif. Fresh dates, brandied dates, date butter, etc. 518,629, Dec. 13, 1949. Amended. O. G. Feb. 12. Class 46.

Garner, Henry H., Jr., Birmingham, Ala. Stone for use in buildings. 554,698, Feb. 12; Serial No. 596,222, published Sept. 25, 1951. Class 12.

Gaylord Products, Incorporated, Chicago, Ill. Hair shampoo. 554,601–02, Feb. 12; Serial Nos. 583,391–2, published Nov. 20, 1951. Class 52.

Gem Slide Fastener Co., New York, N. Y. Slide fasteners. 554,812, Feb. 12; Serial No. 612,904, published Nov. 13, 1951. Class 13.

General Refractories Company, Philadelphia, Pa. Silica mortar. 554,622, Feb. 12; Serial No. 588,795, published Sept. 25, 1951. Class 12.

General Refractories Company, Philadelphia, Pa. Super-duty silica refractory brick. 554,740, Feb. 12; Serial No. 608,308, published Oct. 30, 1951. Class 12.

Globe Vacuum Bottle Corporation, New Britain, Conn. Vacuum bottles, metal lunch boxes containing vacuum bottles, etc. 554,734, Feb. 12; Serial No. 607,952, published Nov. 20, 1951. Class 2.

Glowsand Company, Trenton, N. J. Beads of transparent glass. 554,701, Feb. 12; Serial No. 596,572, published Oct. 30, 1951. Class 33.

Goerz, C. P., American Optical Company, New York, N. Y. Photographic lenses. 554,814, Feb. 12; Serial No. 613,566, published Oct. 23, 1951. Class 26.

Gorman, Marilyn, doing business as The Marilyn Shoppe, Rye, N. Y. Perfume. 554,634, Feb. 12; Serial No. 593,114, published Oct. 30, 1951. Class 51.

Graf, Martha, Millersville, Pa. Candies. 554,839, Feb. 12; Serial No. 587,106. Class 46.

Graff, John T., Company, Inc., New York, N. Y. Advertising services. 554,820, Feb. 12; Serial No. 557,922, published Nov. 6, 1951. Class 101.

Grand Chapter of Phi Sigma Kappa, The, Chicago, Ill. Periodical publication. 554,755, Feb. 12; Serial No. 609,645, published Nov. 13, 1951. Class 38.

Grayson Heat Control, Inc., Lynwood, Calif., to Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostatically controlled gas valves. 289,029, renewed Nov. 17, 1951. O. G. Feb. 12. Class 26.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Scratch feed, egg mash, chick starter, etc. 293,136, renewed Apr. 12, 1952. O. G. Feb. 12. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Scratch feed and mash. 293,144, renewed Apr. 12, 1952. O. G. Feb. 12. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Chick starter, growing mash, and chick feed. 293,145, renewed Apr. 12, 1952. O. G. Feb. 12. Class 46.

Greif Bros. Cooperage Corporation, The, Cleveland, Ohio, and Chicago, Ill. Wooden drums. 554,531, Feb. 12; Serial No. 532,927, published Nov. 13, 1951. Class 2.

Greif Bros. Cooperage Corporation, The, Cleveland, Ohio, and Chicago, Ill. Wooden drums. 554,533, Feb. 12; Serial No. 533,733, published Nov. 13, 1951. Class 2.

Grombie, J. & J., Limited, Woodside, Aberdeen, Scotland. Woolen and worsted piece goods. 543,408, June 5, 1951. Canceled Dec. 6, 1951. O. G. Feb. 12. Class 42.

Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 554,704, Feb. 12; Serial No. 597,606, published Nov. 20, 1951. Class 2.

Hamilton Art Metal Corporation, New York, N. Y. Combined ash tray, snuffer, and cigarette and cigar rest. 554,838, Feb. 12; Serial No. 586,352. Class 8.

Haskelite Manufacturing Corporation, Grand Rapids, Mich. Wooden and paper-board serving trays. 554,652, Feb. 12; Serial No. 599,374, published Nov. 20, 1951. Class 2.

Hathaway, C. F., Co., Waterville, Maine. Men's outer shirts. 554,827, Feb. 12; Serial No. 533,886. Class 39.

Hathaway, Ray H., Spokane, Wash. Ham and bacon. 554,630, Feb. 12; Serial No. 591,680, published Nov. 6, 1951. Class 46.

Heald Machine Company, The, Worcester, Mass. Machines for the precision finishing of holes or bores in parts of metal, fiber, and like materials. 292,921, renewed Mar. 29, 1952. O. G. Feb. 12. Class 23.

Hearst Corporation, The, New York, N. Y. Newspaper cartoon strip. 554,725, Feb. 12; Serial No. 607,220, published Nov. 13, 1951. Class 38.

Heller, Samuel, Scarsdale, N. Y. Electrical apparatus computer. 554,840, Feb. 12; Serial No. 594,641. Class 26.

Hen-Hawk Equipment Co.: *See*—
Moulton, Roger E.

Herbert Manufacturing Co., Inc., New York, N. Y. Piece goods. 554,661, Feb. 12; Serial No. 601,908, published Nov. 13, 1951. Class 42.

Hercules Steel Products Corporation, Galion, Ohio. Elevating end closure for trucks. 554,836, Feb. 12; Serial No. 579,539. Class 19.

Himrod Man'f'g Co., New York, N. Y., to Himrod Manufacturing Company, Hoboken, N. J. Remedy for asthma, rose cold, etc. 85,349, re-renewed Feb. 13, 1952. O. G. Feb. 12. Class 18.

Himrod Manufacturing Company: *See*—
Himrod Man'f'g Co.

His Majesty's Coffee Corporation, Oakland, Calif. Coffee. 554,593, Feb. 12; Serial No. 581,478, published Oct. 16, 1951. Class 46.

Holloway, M. J., & Co., Chicago, Ill. Candy. 554,803, Feb. 12; Serial No. 611,785, published Nov. 27, 1951. Class 46.

Holloway, M. J., & Co., Chicago, Ill. Candy. 554,804–5, Feb. 12; Serial Nos. 611,787–8, published Nov. 27, 1951. Class 46.

Holophane Company, Inc., New York, N. Y. Illumination equipment. 554,710, Feb. 12; Serial No. 606,297, published Nov. 20, 1951. Class 34.

Holt, Laird B., doing business under the name and style of Continental Athletic Supply, San Carlos, Calif. Reconditioning and repairing athletic equipment and uniforms. 554,822, Feb. 12; Serial No. 600,676, published Nov. 20, 1951. Class 103.

Home Comfort Mfg. Co., East Peoria, Ill. Louver type ventilators. 554,667, Feb. 12; Serial No. 602,841, published Nov. 20, 1951. Class 34.

Homemakers' Products Corporation, New York, N. Y. Antiseptic solution for the treatment of diapers, towels, and the like. 554,782, Feb. 12; Serial No. 610,906, published Nov. 20, 1951. Class 6.

Huber, J. M., Corporation: *See*—
Huber, J. M., Inc.

Huber, J. M., Inc., Bayonne, N. J., and New York, N. Y., to J. M. Huber Corporation, New York, N. Y. Pigments and fillers. 289,497, renewed Dec. 1, 1951. O. G. Feb. 12. Class 6.

Hubinger Company, The, Keokuk, Iowa. Laundry starch. 554,856–7, Feb. 12; Serial Nos. 606,220–1. Class 6.

Hudson Food Products Company, Inc., New York, N. Y. Canned fish. 554,550, Feb. 12; Serial No. 548,965, published Oct. 30, 1951. Class 46.

Huyler's, New York, Albany, and Buffalo, N. Y., Boston, Mass., Philadelphia, Pa., Chicago, Ill., Washington, D. C., etc., to Huyler's, New York, N. Y. Candy and confections of all kinds, chocolate, and cocoa. 37,504, renewed Dec. 24, 1951. O. G. Feb. 12. Class 46.

HyCrest Farms: *See*—
Sawyer, Lester T.

Hy-Lite Plastic Co., New York, N. Y. Buttons in bulk and on cards. 554,578, Feb. 12; Serial No. 575,705, published Sept. 25, 1951. Class 40.

Hysan Products Company, Chicago, Ill. Aerosol bombs. 554,784, Feb. 12; Serial No. 610,976, published Nov. 20, 1951. Class 6.

Ideal Novelty & Toy Co., Hollis, N. Y., now by change of name Ideal Toy Corporation. Plastic feeding dish. 554,841, Feb. 12; Serial No. 594,774. Class 2.

Ideal Toy Corporation: *See*—
Ideal Novelty & Toy Co.

India Rubber Review Company, The, Akron, Ohio. Monthly publication. 554,608, Feb. 12; Serial No. 584,768, published Nov. 13, 1951. Class 38.

Indian Drilling Mud Co., Inc., assignee: *See*—
Chemicals, Inc.

International Imex Company, Inc., The, New York, N. Y. Wrist watches. 554,741, Feb. 12; Serial No. 608,659, published Oct. 30, 1951. Class 27.

International Silver Company, to The International Silver Company, Meriden, Conn. Sterling silver and silver-plated flatware, hollow-ware, and toilet-ware. 290,529, renewed Jan. 5, 1952. O. G. Feb. 12. Class 28.

International Silver Company, The: *See*—
International Silver Company.

Interstate Bakeries Corporation, doing business as Log Cabin Bread Co., Los Angeles, Calif., and Kansas City, Mo. Bread. 554,525, Feb. 12; Serial No. 510,691, published Mar. 13, 1951. Class 46.

Island Creek Coal Sales Company, Huntington, W. Va. Coal. 554,764–5, Feb. 12; Serial Nos. 610,075–6, published Oct. 30, 1951. Class 1.

Jackson, Annie M.: *See*—
Morris, John, Jr.

Jackson, Peter (Overseas) Limited, London, England. Cigarettes. 554,759, Feb. 12; Serial No. 609,801, published Nov. 13, 1951. Class 17.

Jaco Pants, Inc., Atlanta, Ga. Men's and boys' trousers, slacks, etc. 554,847, Feb. 12; Serial No. 600,892. Class 39.

Jadow, B., Inc., New York, N. Y. Watch main springs. 554,692, Feb. 12; Serial No. 595,322, published Oct. 30, 1951. Class 27.

Jenkins & Sons, Inc., Jacksonville, Fla. Diamond finger rings. 521,033, Feb. 14, 1950. Canceled Jan. 8, 1952. O. G. Feb. 12. Class 28.

Jiffy Distributing Co.: *See*—
Margulis, Joseph M.

Jiffy Enterprises, Incorporated, assignee: *See*—
Margulis, Joseph M.

Johnson, J. Seward, doing business as Farmers & Consumers Dairy, Morristown, N. J. Dairy products, frozen berries, frozen fruit salads, etc. 554,693, Feb. 12; Serial No. 595,380, published Nov. 6, 1951. Class 46.

Kalamazoo Vegetable Parchment Company, Parchment, Mich., to Western Tablet & Stationery Corporation, Dayton, Ohio, Stationery. 291,303–4, renewed Feb. 9, 1952. O. G. Feb. 12. Class 37.

Keith Paper Company: *See*—
Majestic Paper Corporation.

Kilgore, Charles, Company, Inc., Yonkers, N. Y. Marshmallow candy substitutes. 554,785, Feb. 12; Serial No. 610,980, published Nov. 6, 1951. Class 46.

Kimberly-Clark Corporation, Neenah, Wis. Fiber products in the form of creped wadding, sheets, and fluff. 554,685, Feb. 12; Serial No. 604,581, published Oct. 30, 1951. Class 1.

Kluegel, Ernest, Co., St. Paul, Minn. Prefabricated clothes chutes and prefabricated dust chutes. 554,603, Feb. 12; Serial No. 583,760, published Oct. 23, 1951. Class 12.

Knee Chaps: *See*—
Sullivan, John D.

Koch Engineering Company, Inc., The, Wichita, Kans. Petroleum refinery apparatus and parts thereof. 444,655, Feb. 12; Serial No. 512,181, published Sept. 25, 1951. Class 23.

Kraus, H. Felix, doing business as Prints International, New York, N. Y. Laminated color reproductions of pictures, etc. 554,691, Feb. 12; Serial No. 595,217, published Nov. 13, 1951. Class 38.

Kresge Department Store Corp., to Kresge-Newark, Inc., Newark, N. J. Liquid dry cleaner, shaving cream, shoe polish, etc. 291,007, renewed Jan. 26, 1952. O. G. Feb. 12. Class 4.

Kresge-Newark, Inc.: *See*—
Kresge Department Store Corp.

Lambert Company, The: *See*—
Moore, John Hudson, Inc.

Lamport Company, Inc., The: *See*—
Lamport Mfg. Supply Co., Inc., The.

Lamport Mfg. Supply Co., Inc., The, to The Lamport Company, Inc., New York, N. Y. Bleached and unbleached piece goods. 292,326, renewed Mar. 15, 1952. O. G. Feb. 12. Class 42.

Lancashire Cotton Corporation Limited, The, Manchester, England. Cotton yarns and sewing cotton. 290,950, renewed Jan. 19, 1952. O. G. Feb. 12. Class 43.

Lance, Inc., Charlotte, N. C. Salted peanuts, peanut butter sandwiches, cakes, etc. 554,573, Feb. 12; Serial No. 573,131, published Oct. 9, 1951. Class 46.

Landenberger, J. W., & Co., Philadelphia, Pa. Hosiery. 554,644, Feb. 12; Serial No. 594,795, published Oct. 30, 1951. Class 39.

Lane Company, Inc., The, Altavista, Va. Cedar chests. 554,832, Feb. 12; Serial No. 567,198. Class 32.

Laros Textiles Company, Bethlehem, Pa. Children's vests, bloomers, pajamas, etc. 554,670, Feb. 12; Serial No. 602,961, published Nov. 6, 1951. Class 39.

Larus & Brother Company, Richmond, Va. Cigarettes. 554,654–5, Feb. 12; Serial Nos. 600,174–5, published Nov. 13, 1951. Class 17.

Larus & Brother Company, Richmond, Va. Smoking tobacco. 554,796, Feb. 12; Serial No. 611,525, published Nov. 13, 1951. Class 17.

Leas & McVitty, Inc., Philadelphia, Pa. Leather. 293,139, renewed Apr. 12, 1952. O. G. Feb. 12. Class 1.

Lehigh Coal and Navigation Company, The, Philadelphia, Pa. Coal. 554,757, Feb. 12; Serial No. 609,731, published Oct. 30, 1951. Class 1.

Lewis, Gilbert L., doing business as Protexall Permanent Process Service, Kansas City, Mo. Laminating paper products. 554,819, Feb. 12; Serial No. 557,668, published Nov. 20, 1951. Class 106.

Llio-Rail of America Inc., Hoboken, N. J. Curtain rails, and accessories therefor. 554,746, Feb. 12; Serial No. 608,937, published Nov. 6, 1951. Class 13.

Lily-Tulip Cup Corporation, New York, N. Y. Receptacles. 290,396, renewed Jan. 5, 1952. O. G. Feb. 12. Class 2.

Linder Sportwear: *See*—
Linder Sportwear, Inc.

Linder Sportwear, Inc., New York, N. Y., assignee of Linder Sportwear. Women's and misses' housecoats, dresses, skirts, etc. 554,522, Feb. 12; Serial No. 491,921, published Feb. 27, 1951. Class 39.

Log Cabin Bread Co.: *See*—
Interstate Bakeries Corporation.

Logan-Long Company, The, Chicago, Ill. Square-butt strip shingles. 554,605, Feb. 12; Serial No. 584,039, published Oct. 23, 1951. Class 12.

Lo-Heet Stainless Steel Co., Los Angeles, Calif. Cooking utensils. 554,521, Feb. 12; Serial No. 478,590, published Nov. 20, 1951. Class 13.

Lowe, Joe, Corporation, Brooklyn, N. Y. Doughnuts. 265,177. Dec. 17, 1929. Canceled Dec. 7, 1951. O. G. Feb. 12. Class 46.

Mackin, H. J., Sales Co.: *See*—
Mackin, Henry J.

Mackin, Henry J., doing business as H. J. Mackin Sales Co., Momence, Ill. Venetian blind supporting tape. 554,565, Feb. 12; Serial No. 570,566, published Nov. 13, 1951. Class 40.

Majestic Paper Corporation, New York, N. Y., by Keith Paper Company, Turners Falls, Montague, Mass. Writing and typewriting paper. 377,295, Apr. 30, 1940. Republished Feb. 12. Class 37.

Majestic Paper Corporation, New York, N. Y., by Keith Paper Company, Turners Falls, Montague, Mass. Writing and typewriting paper. 381,571, Oct. 1, 1940. Republished Feb. 12. Class 37.

Majestic Paper Corporation, New York, N. Y., by Keith Paper Company, Turners Falls, Montague, Mass. Writing and typewriting paper. 381,782, Oct. 8, 1940. Republished Feb. 12. Class 37.

Maling Brothers, Inc., Chicago, Ill. Women's and girls' stockings. 554,831, Feb. 12; Serial No. 562,562. Class 39.

Manifold Supplies Company, Brooklyn, N. Y. Mats. 554,590, Feb. 12; Serial No. 581,073, published Oct. 30, 1951. Class 50.

Marathon Lubricant Co., Inc., Fort Worth, Tex., assignee of Marathon Lubricant Company. Motor oil. 554,527, Feb. 12; Serial No. 517,500, published Oct. 30, 1951. Class 15.

Marathon Lubricant Company: *See*—
Marathon Lubricant Co., Inc.

Margulis, Joseph M., doing business as Jiffy Distributing Co., Flint, Mich., assignor to Jiffy Enterprises, Incorporated, Philadelphia, Pa. Hook and eye type wall hanger. 554,726, Feb. 12; Serial No. 607,337, published Nov. 13, 1951. Class 13.

Marilyn Shoppe, The: *See*—
Gorman, Marilyn.

Marinello Company, to Sales Affiliates, Inc., New York, N. Y. Tissue cream. 290,022, renewed Dec. 22, 1951. O. G. Feb. 12. Class 51.

Markets, Inc., San Leandro, Calif. Canned dog food. 554,860, Feb. 12; Serial No. 617,350. Class 46.

Martin-Dennis Company, The, Newark, N. J., by F. C. Bersworth, Framingham, Mass. Water softening agents. 410,354, Nov. 21, 1944. Republished Feb. 12, Class 52.

Martin Fabrics Corporation: *See*—
Martin, J. B., Company.

Martin, J. B., Company, Norwich, Conn., to Martin Fabrics Corporation, New York, N. Y. Pile fabrics in the piece. 290,577, renewed Jan. 12, 1952. O. G. Feb. 12, Class 42.

Marty Associates, Dayton, Ohio. Manual vibrators for applying light, heat and vibratory massage to the skin and body of the patient. 554,539, Feb. 12; Serial No. 543,202, published Nov. 6, 1951. Class 44.

Mason, Sally, New York, N. Y. Girls' and misses' blouses, dresses, jumpers, etc. 527,040, June 27, 1950. Canceled Jan. 5, 1952. O. G. Feb. 12. Class 39.

Master Lock Company, Milwaukee, Wis. Padlocks. 291,756, renewed Feb. 23, 1932. O. G. Feb. 12. Class 25.

Master Lock Company, Milwaukee, Wis. Keys. 292,893, renewed Mar. 29, 1932. O. G. Feb. 12. Class 25.

Mautz Paint & Varnish Company, Madison, Wis. Ready mixed paints, ready mixed paint primers and sealers, etc. 554,537, Feb. 12; Serial No. 540,296, published Oct. 9, 1951. Class 16.

Maxcy, L., Inc., Frostproof, Fla. Fresh citrus fruits. 291,599, renewed Feb. 23, 1932. O. G. Feb. 12. Class 46.

McAdams, Wm. D., doing business as Thompson Publishing Company, New York, N. Y. Publications. 353,244, Dec. 28, 1937. Republished Feb. 12. Class 38.

McCall Corporation, New York, N. Y. Department, section or feature in a magazine. 554,679, Feb. 12; Serial No. 603,487, published Nov. 20, 1951. Class 38.

McIlhenny Company, New Iberia, La. Pepper sauce. 288,762, renewed Nov. 3, 1931. O. G. Feb. 12. Class 46.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Petroleum products or preparations. 290,209, renewed Dec. 22, 1931. O. G. Feb. 12. Class 51.

Mey, Hans, doing business as Sea Tang Oyster Co., New York, N. Y. Fresh oysters and fresh clams. 345,233, Apr. 20, 1937. Canceled Nov. 23, 1951. O. G. Feb. 12. Class 46.

Mido Hosiery Mills, Inc., New York, N. Y. Hosiery. 554,671, Feb. 12; Serial No. 603,073, published Oct. 30, 1951. Class 39.

Miracle Breeze Cooler Manufacturing Company: *See*—
Feldman, N. R.

Monarch Machine Tool Company, The, Sidney, Ohio. Turning machine. 554,774, Feb. 12; Serial No. 610,451, published Oct. 9, 1951. Class 23.

Monsanto Chemical Company, St. Louis, Mo. Vinyl resin materials. 554,659, Feb. 12; Serial No. 601,455, published Oct. 30, 1951. Class 1.

Monte Vista Citrus Association, Riverside, Calif. Fresh citrus fruits. 554,536, Feb. 12; Serial No. 538,155, published Nov. 6, 1951. Class 46.

Montello Products Company, Ripon, Wis. Sleds. 554,793, Feb. 12; Serial No. 611,294, published Nov. 20, 1951. Class 22.

Moore Drop Forging Company, Springfield, Mass. Brass, copper, nitralloy, etc. 292,165, renewed Mar. 1, 1932. O. G. Feb. 12. Class 14.

Moore, John Hudson, Inc., New York, N. Y., now by merger The Lambert Company. Smokers' pipes. 554,744, Feb. 12; Serial No. 608,713, published Nov. 6, 1951. Class 8.

Moore, John Hudson, Inc., New York, N. Y., now by merger The Lambert Company. Smokers' pipes. 554,853, Feb. 12; Serial No. 605,172. Class 8.

Morehouse Industries, Los Angeles, Calif. Industrial grinding mills, mixers, and parts thereof. 550,727, Nov. 13, 1951. Corrected. O. G. Feb. 12. Class 23.

Morris, Ann: *See*—
Morris, John, Jr.

Morris, John, Jr., deceased, by A. M. Jackson, A. and J. M. Morris, heirs-at-law to the estate of J. Morris, Jr., Harlingen, Tex. Fresh vegetables. 261,487, Sept. 17, 1929. Republished Feb. 12. Class 46.

Morris, John M.: *See*—
Morris, John, Jr.

Morris, Philip, & Co. Ltd., Incorporated, New York, N. Y. Smoking tobacco. 554,797, Feb. 12; Serial No. 611,579, published Nov. 13, 1951. Class 17.

Morris, R. E., Company, Inc., Waterloo, Iowa. Spraying apparatus mounted on a mobile vehicle. 554,556, Feb. 12; Serial No. 559,112, published Sept. 25, 1951. Class 23.

Mortimer, Norman J., New Hope, Pa. Cleaning preparations. 554,621, Feb. 12; Serial No. 588,504, published Nov. 20, 1951. Class 52.

Moulton, Roger E., doing business as Hen-Hawk Equipment Co., Portsmouth, N. H. Incinerators. 554,735, Feb. 12; Serial No. 608,012, published Nov. 6, 1951. Class 34.

Moyer, H. L., Company, Inc., Bloomsburg, Pa. Expectorant for coughs. 554,526, Feb. 12; Serial No. 513,189, published Oct. 9, 1951. Class 18.

Murray Hill Restaurant, Inc., New York, N. Y. Cigarettes, cigars, and pipe tobacco. 554,789, Feb. 12; Serial No. 611,185, published Nov. 20, 1951. Class 17.

Nason, R. N., & Co., San Francisco, Calif. Automotive paints. 554,545, Feb. 12; Serial No. 546,860, published Nov. 13, 1951. Class 16.

National Agency Company, The: *See*—
New Williams Manufacturing Company Limited, The.

National Autocraft Manufacturing Co., Orlando, Fla. Clips for fastening ornamental trim on automotive vehicles. 554,668, Feb. 12; Serial No. 602,909, published Nov. 13, 1951. Class 13.

National Detroit Publishers Incorporated, Detroit, Mich. Greeting cards. 554,800, Feb. 12; Serial No. 611,653, published Nov. 20, 1951. Class 38.

National Dictograph Co., New York, to Dictograph Products Company, Inc., Jamaica, N. Y. Telephonic apparatus. 85,473, re-renewed Feb. 20, 1952. O. G. Feb. 12. Class 21.

National Industrial Conference Board, Inc., New York, N. Y. Periodic publication. 554,722, Feb. 12; Serial No. 607,036, published Nov. 13, 1951. Class 38.

National Screw and Manufacturing Company, The, Cleveland, Ohio. Anti-skid chains. 554,813, Feb. 12; Serial No. 613,231, published Nov. 13, 1951. Class 13.

National Supply Company, The, Pittsburgh, Pa. Metal pipe, tubes, and fittings therefor. 554,756, Feb. 12; Serial No. 609,660, published Nov. 20, 1951. Class 13.

Nautilus Food Products Corp., New York, N. Y. Salad dressing. 554,696, Feb. 12; Serial No. 595,849, published Nov. 6, 1951. Class 46.

Nestle's Chocolate Company, Inc.: *See*—
Siren Mills Corporation.

Nethercutt, Jack B., doing business as Nethercutt Laboratories, Santa Monica, Calif. Cologne, perfume, dusting talcum, etc. 554,637, Feb. 12; Serial No. 593,607, published Oct. 30, 1951. Class 51.

Nethercutt Laboratories: *See*—
Nethercutt, Jack B.

New England Confectionery Company, Cambridge, Mass. Candy. 289,205, renewed Nov. 24, 1931. O. G. Feb. 12. Class 46.

New England Confectionery Company, Cambridge, Mass. Candy. 289,782, renewed Dec. 8, 1931. O. G. Feb. 12. Class 46.

New England Confectionery Company, Cambridge, Mass. Chewing gum. 290,374, renewed Jan. 5, 1932. O. G. Feb. 12. Class 46.

New Method Paint Co., North Kansas City, Mo. Varnish and paint enamel. 441,558, Dec. 7, 1948. Republished Feb. 12. Class 16.

New Method Paint Co., North Kansas City, Mo. Ready mixed oil paint, varnish and paint enamel. 442,115, Feb. 22, 1949. Republished Feb. 12. Class 16.

New Williams Manufacturing Company Limited, The, Montreal, Quebec, Canada, assignee of The National Agency Company. Sewing machines, sewing machine parts, and sewing machine attachments. 554,834, Feb. 12; Serial No. 574,670. Class 23.

New York Pattern Company, The, New York, N. Y. Embroidery patterns. 554,708, Feb. 12; Serial No. 606,043, published Oct. 9, 1951. Class 40.

Nichols Wire and Aluminum Co., Davenport, Iowa. Metal roofing, metal roofing materials, etc. 554,562, Feb. 12; Serial No. 568,439, published Sept. 25, 1951. Class 12.

Nopco Chemical Company, Harrison, N. J. Riboflavin. 554,715, Feb. 12; Serial No. 606,794, published Oct. 23, 1951. Class 18.

Nopco Chemical Company, Harrison, N. J. Fat-soluble vitamin concentrates. 554,716–17, Feb. 12; Serial Nos. 606,795–6, published Oct. 23, 1951. Class 18.

Nopco Chemical Company, Harrison, N. J. High potency vitamin-containing solids. 554,718, Feb. 12; Serial No. 606,797, published Oct. 23, 1951. Class 18.

Nopco Chemical Company, Harrison, N. J. High potency vitamin-containing solids. 554,719–20, Feb. 12; Serial Nos. 606,801–2, published Oct. 23, 1951. Class 18.

Nopco Chemical Company, Harrison, N. J. Fat-soluble vitamin concentrates. 554,721, Feb. 12; Serial No. 606,803, published Oct. 23, 1951. Class 18.

Norben, Inc., Indianapolis, Ind. Light metal ware. 554,614, Feb. 12; Serial No. 586,541, published Nov. 13, 1951. Class 13.

Norcross, Inc., New York, N. Y. Greeting cards. 554,660, Feb. 12; Serial No. 601,553, published Nov. 20, 1951. Class 38.

Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, etc. 554,794, Feb. 12; Serial No. 611,296, published Nov. 20, 1951. Class 38.

North American Paint & Chemical Co. Ltd., to Old Colony Paint & Chemical Co., Los Angeles, Calif. Ready-mixed cold water and paste paints, etc. 293,021, renewed Apr. 5, 1932. O. G. Feb. 12. Class 16.

North American Paint & Chemical Co. Ltd., to Old Colony Paint & Chemical Co., Los Angeles, Calif. Paint enamels. 293,190, renewed Apr. 12, 1932. O. G. Feb. 12. Class 16.

Northland Engineering & Manufacturing Company, Appleton, Wis. Blowing machines. 554,599, Feb. 12; Serial No. 582,646, published Oct. 30, 1951. Class 23.

Norton Bros. & Morris, Inc., Los Angeles, Calif. Men's suits and sport coats. 554,833, Feb. 12; Serial No. 568,395. Class 39.

Nurre Companies, Inc., The, Bloomington, Ind. Glass mirrors. 554,835, Feb. 12; Serial No. 575,595. Class 32.

Ojai Orange Association, Ojai, Calif. Fresh citrus fruits. 554,828, Feb. 12; Serial No. 542,643. Class 46.

Old Colony Paint & Chemical Co.: *See*—
North American Paint & Chemical Co. Ltd.

Oman, Bessie B., executrix: *See*—
Crab Orchard Stone Co., Inc.

Oman Construction Co.: *See*—
Crab Orchard Stone Co., Inc.

Oman, John, Jr.: *See*—
Crab Orchard Stone Co., Inc.

Pacific Gamble Robinson Company, doing business as Gamble-Robinson Co., Seattle, Wash., and Minneapolis, Minn. Fresh vegetables. 554,851, Feb. 12; Serial No. 602,566. Class 46.

Pacquin-Lester Company, Litchfield, Conn. Lotion. 554,641, Feb. 12; Serial No. 594,487, published Oct. 30, 1951. Class 51.

Pantasote Company, The, Passaic, N. J., and New York, N. Y. Printed publication. 554,749, Feb. 12; Serial No. 609,416, published Nov. 13, 1951. Class 38.

Paper Art Company, Inc., Indianapolis, Ind. Paper cups, paper plates and paper coasters. 554,534, Feb. 12; Serial No. 533,768, published Nov. 20, 1951. Class 2.

Paramount Macaroni Manufacturing Co., Inc., Brooklyn, N. Y. Macaroni. 554,783, Feb. 12; Serial No. 610,920, published Oct. 30, 1951. Class 46.

Parents' Institute, Inc., The, New York, N. Y. Magazine. 554,767, Feb. 12; Serial No. 610,138, published Nov. 13, 1951. Class 38.

Parke, Davis & Company, Detroit, Mich. Preparation containing pregneninolone (anhydrohydroxy progesterone). 554,564, Feb. 12; Serial No. 570,272, published Oct. 30, 1951. Class 18.

Pecora Paint Co., Philadelphia, Pa. Interior and exterior house paints, varnishes, and air-drying enamels. 554,586, Feb. 12; Serial No. 579,290, published Oct. 9, 1951. Class 16.

Pennotex Oil Corporation, New York, N. Y. Mineral waxes. 554,569, Feb. 12; Serial No. 571,478, published Oct. 30, 1951. Class 15.

Penton Publishing Company, The, Cleveland, Ohio. Publication. 554,758, Feb. 12; Serial No. 609,758, published Oct. 30, 1951. Class 38.

Permatex Company, Inc., Brooklyn, and Sheepshead Bay, N. Y. Sealing compound, putty-like paste. 554,544, Feb. 12; Serial No. 545,878, published Oct. 30, 1951. Class 12.

Perry Metal Products Co. Inc., Brooklyn, N. Y. Trouser hangers. 554,653, Feb. 12; Serial No. 599,449, published Oct. 30, 1951. Class 50.

Phelps Dodge Corporation, New York, N. Y. Copper castings. 290,097, renewed Dec. 22, 1931. O. G. Feb. 12; Class 14.

Phoenix Hosiery Company, Milwaukee, Wis. Women's hosiery. 554,747–8, Feb. 12; Serial Nos. 609,047–8, published Nov. 6, 1951. Class 39.

Pierce, F. O., Company, Long Island City, N. Y. Spar varnish and varnish stain. 554,642, Feb. 12; Serial No. 594,573, published Nov. 6, 1951. Class 16.

Pierce, F. O., Company, Long Island City, N. Y. Enamel and flat paints. 554,643, Feb. 12; Serial No. 594,576, published Oct. 9, 1951. Class 16.

Pilot Radio Corporation: *See*—
Pilot Radio & Tube Corporation.

Pilot Radio & Tube Corporation, Lawrence, Mass., to Pilot Radio Corporation, Long Island City, N. Y. Cabinets. 289,520, renewed Dec. 1, 1931. O. G. Feb. 12. Class 32.

Pilot Radio & Tube Corporation, Lawrence, Mass., to Pilot Radio Corporation, Long Island City, N. Y. Phonographs. 289,776, renewed Dec. 8, 1931. O. G. Feb. 12. Class 36.

Pirelli Societa Per Azioni, Milan, Italy. Gloves of rubber, sanitary and surgical goods of rubber. 554,570, Feb. 12; Serial No. 571,685, published Oct. 30, 1951. Class 44.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Painters' brushes. 288,457, renewed Oct. 27, 1931. O. G. Feb. 12. Class 29.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Sheet glass. 554,669, Feb. 12; Serial No. 602,911, published Oct. 30, 1951. Class 33.

Plymouth Manufacturing Company, Boston, Mass. Men's rainwear. 554,632, Feb. 12; Serial No. 592,434, published Oct. 23, 1951. Class 39.

Portaglide: *See*—
Thomas, Warren G.

Presto Products Co., New York, N. Y. Attachment plugs, electric sadirons, electric sadiron elements, etc. 236,795, Dec. 20, 1927. Amended. O. G. Feb. 12. Class 21.

Pride Hybrid Company, Minneapolis, Minn. Hybrid seed corn. 554,730, Feb. 12; Serial No. 607,762, published Oct. 30, 1951. Class 1.

Prints International: *See*—
Kraus, H. Felix.

Production Enameling Co., Chicago, Ill. Enameling of the goods of others. 554,821, Feb. 12; Serial No. 582,799, published Nov. 20, 1951. Class 106.

Protexall Permanent Process Services: *See*—
Lewis, Gilbert L.

Putnam Finishing Company, Mechanicsville, Conn. Dyeing of rayon, silks and acetates. 554,861, Feb. 12; Serial No. 536,447. Class 106.

Quaker Oats Company, The, Chicago, Ill. Poultry feed. 554,623, Feb. 12; Serial No. 588,809, Nov. 20, 1951. Class 46.

Radio Manufacturers Association, Washington, D. C., now by change of name Radio-Television Manufacturers Association. Pamphlets and leaflets. 554,549, Feb. 12; Serial No. 548,759, published Sept. 26, 1950. Class 38.

Radio-Television Manufacturers Association: *See*—
Radio Manufacturers Association.

Randall Faichney Corporation, Jamaica Plain, Mass. Syringes and vaccinating instruments. 554,649, Feb. 12; Serial No. 598,812, published Oct. 30, 1951. Class 44.

Ransburg, Harper J., Co., Inc., Indianapolis, Ind. Cookie jars, grease jars, pitchers, etc. 554,724, Feb. 12; Serial No. 607,192, published Oct. 30, 1951. Class 30.

Rayonier Incorporated, New York, N. Y. Highly purified wood cellulose. 554,760–1, Feb. 12; Serial Nos. 609,813–14, published Nov. 6, 1951. Class 1.

Ready-Jell Mfg. Co., Inc., Green Island, N. Y. Dessert powders. 554,543, Feb. 12; Serial No. 545,770, published Nov. 6, 1951. Class 46.

Reardon Company, The, St. Louis, Mo. Paints. 290,629, renewed Jan. 12, 1932. O. G. Feb. 12. Class 16.

Renoir Parfums, Ltd., New York, N. Y. Liquid or a cream to be used as a protective covering over lip makeup. 554,583, Feb. 12; Serial No. 577,734, published Aug. 8, 1950. Class 51.

Republic Gear Company, Detroit, Mich. Timing chains. 554,790, Feb. 12; Serial No. 611,198, published Oct. 23, 1951. Class 23.

Republic Paint & Varnish Co., Chicago, Ill. Varnish, liquid varnish, stains and wood stains. 554,538, Feb. 12; Serial No. 540,879, published Oct. 3, 1950. Class 16.

Rex Record Corporation, New York, N. Y. Grooved phonograph records. 554,854, Feb. 12; Serial No. 605,610. Class 36.

Rickard, F. W., Winchester, Ky. Agricultural seeds. 554,582, Feb. 12; Serial No. 577,454, published Oct. 30, 1951. Class 1.

Roane-Barker, Inc., Greenville, S. C. Surgeon's gloves, hypodermic syringe boxes, hypodermic needle boxes, etc. 554,585, Feb. 12; Serial No. 578,102, published Oct. 30, 1951. Class 44.

Roberts, Thomas, & Co., Philadelphia, Pa. Canned vegetables. 554,540, Feb. 12; Serial No. 543,750, published July 25, 1950. Class 46.

Robertshaw-Fulton Controls Company: *See*—
Grayson Heat Control, Inc.

Robinson Clay Product Company, The, Akron, Ohio. Ladle lining refractory cement. 554,699, Feb. 12; Serial No. 596,240, published Sept. 25, 1951. Class 12.

Rockford Screw Products Co., Rockford, Ill. Illustrated leaflets. 554,675, Feb. 12; Serial No. 603,381, published Nov. 20, 1951. Class 38.

Roger & Gallet, New York, N. Y. Perfume, perfume extracts, toilet water, etc. 554,770, Feb. 12; Serial No. 610,341, published Oct. 30, 1951. Class 51.

Rohm & Haas Company, Philadelphia, Pa. Opacifying materials for use in vitreous enamels. 288,338, renewed Oct. 27, 1951. O. G. Feb. 12. Class 16.

Rose-Derry Company, Newton, Mass. Bassinets. 554,855, Feb. 12; Serial No. 605,918. Class 32.

S. A. Pour la Fabrication de Materiaux de Construction "Fademac," Brussels, Belgium. Paving and lining slabs and blocks. 554,584, Feb. 12; Serial No. 577,812, published Oct. 9, 1951. Class 12.

Sahadi, A., and Co., Inc., New York, N. Y. Nut candy. 554,842, Feb. 12; Serial No. 595,282. Class 46.

St. Martin Preserving Co. Limited: *See*—
St. Martin Preserving Company Limited.

St. Martin Preserving Company Limited, London, to St. Martin Preserving Co. Limited, Maidenhead, Berkshire, England. Jams, marmalades, preserves. 288,356, renewed Oct. 27, 1951. O. G. Feb. 12. Class 46.

St. Regis Paper Company, New York, N. Y. Resinous plastic surfacing materials and laminated plastic surfacing materials. 554,619, Feb. 12; Serial No. 587,975, published Oct. 2, 1951. Class 12.

Sales Affiliates, Inc.: *See*—
Marinello Company.

Salinas Valley Vegetable Exchange: *See*—
California Canning Peach Growers.

Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh lettuce. 554,775, Feb. 12; Serial No. 610,501, published Oct. 23, 1951. Class 46.

Sanson Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. 554,700, Feb. 12; Serial No. 596,242, published Nov. 13, 1951. Class 39.

Savoy Watch Co. Inc., New York, N. Y. Gold, silver, and platinum watches, watch parts, and watch movements. 554,742, Feb. 12; Serial No. 608,678, published Oct. 30, 1951. Class 27.

Sawyer, Lester T., doing business under the name and style of HyCrest Farms, Sterling, Mass. Cattle. 554,728, Feb. 12; Serial No. 607,642, published Oct. 30, 1951. Class 1.

Sayla, A. A., & Co., New York, N. Y. Paprika. 554,656, Feb. 12; Serial No. 600,242, published Nov. 20, 1951. Class 46.

Scientific Solutions, Inc., West Palm Beach, Fla. Medicine of a fungicidal and antiseptic nature. 554,750, Feb. 12; Serial No. 609,421, published Oct. 30, 1951. Class 18.

Sea Tang Oyster Co.: *See*—
Mey, Hans.

Sears, Roebuck and Co., Chicago, Ill. Roost paint and sheep marking paint. 554,566, Feb. 12; Serial No. 570,642, published Nov. 6, 1951. Class 16.

Sears, Roebuck and Co., Chicago, Ill. House interior paint. 554,624, Feb. 12; Serial No. 588,899, published Oct. 9, 1951. Class 16.

Sheltex Manufacturing Co.: *See*—
Sheltex Manufacturing Co., Inc.

Sheltex Manufacturing Co., Inc., Brooklyn, N. Y., assignee of Sheltex Manufacturing Co. Seambinding and biasbinding. 554,574, Feb. 12; Serial No. 573,903, published Oct. 30, 1951. Class 40.

Shetland Co., Inc., The, Lynn, Mass. Machine for polishing, buffing, sanding or drilling. 554,787, Feb. 12; Serial No. 611,149, published Oct. 23, 1951. Class 23.

Sierra Madre-Lamanda Citrus Association, Pasadena, Calif. Fresh citrus fruits. 554,806, Feb. 12; Serial No. 612,184, published Nov. 13, 1951. Class 46.

Simons & French Company, Incorporated: *See*—
Simons, Shuttleworth & French Company.
Simons, Shuttleworth & French Company, Inc.
Titcomb, H. H.

Simons & French Company, Incorporated, Sacramento, Calif., and New York, N. Y. Fresh vegetables, fresh deciduous fruits, fresh citrus fruits. 289,071, Nov. 17, 1931. Republished Feb. 12. Class 46.

Simons & French Company, Incorporated, New York, N. Y., and Sacramento, Calif. Fresh vegetables, fresh deciduous fruits. 328,120, Sept. 17, 1935. Republished Feb. 12. Class 46.

Simons & French Company, Incorporated, Sacramento, Calif., and New York, N. Y. Fresh deciduous fruits. 424,033, Sept. 17, 1946. Republished Feb. 12. Class 46.

Simons & French Company, Incorporated, Sacramento, Calif., and New York, N. Y. Fresh deciduous fruits. 427,271, Feb. 4, 1947. Republished Feb. 12. Class 46.

Simons, Shuttleworth & French Company, by change of name Simons & French Company, Incorporated, Sacramento, Calif., by Simons & French Company, Incorporated, New York, N. Y., and Sacramento, Calif. Fresh citrus fruits, fresh deciduous fruits, fresh vegetables. 277,873, Dec. 2, 1930. Republished Feb. 12. Class 46.

Simons, Shuttleworth & French Company, Inc., New York, N. Y., by Simons & French Company, Incorporated, New York, N. Y., and Sacramento, Calif. Fresh deciduous fruits. 263,569, Nov. 5, 1929. Republished Feb. 12. Class 46.

Simplot, J. R., Company, Caldwell, Idaho. Canned fruits and vegetables. 554,662, Feb. 12; Serial No. 602,003, published Nov. 20, 1951. Class 46.

Sinclair, H. M., Jr., Toledo, Ohio, trustee for the Ohio partnership, The Sinclair Manufacturing Company. Chloride of lime, and sodium hypochlorite solution. 554,579, Feb. 12; Serial No. 575,935, published Aug. 15, 1950. Class 6.

Sinclair Manufacturing Company, The: *See*—
Sinclair, H. M., Jr.

Siren Mills Corporation, Chicago, Ill., to Nestle's Chocolate Company, Inc., New York, N. Y. Prepared chocolate syrups, chocolate ice cream coating, etc. 288,763, renewed Nov. 3, 1951. O. G. Feb. 12. Class 46.

Sisco-Hamilton Co., Chicago, Ill. Candy bars. 554,635, Feb. 12; Serial No. 593,296, published Oct. 30, 1951. Class 46.

Slocum Publishing Company, Detroit, Mich. Periodical. 554,697, Feb. 12; Serial No. 595,989, published Nov. 13, 1951. Class 38.

Smith, Charles H., Shreveport, La., to C. H. Smith, Chicago, Ill. Remedy for liver complaints, biliousness, etc. 82,921, re-renewed Aug. 1, 1951. O. G. Feb. 12. Class 18.

Smith, Chester W., Detroit, Mich. Solvent cleaning agent for removing organic paint films. 554,663, Feb. 12; Serial No. 602,125, published Oct. 9, 1951. Class 16.

Snookies Inc., Milwaukee, Wis. Cookies. 554,683, Feb. 12; Serial No. 604,040, published Oct. 23, 1951. Class 46.

Societe Anonyme Des Anciens Etablissements C. & E. Chapal Freres et Cie, Montreuil-sous-Bois, Seine, France. Dressed and finished hare and rabbit skins. 554,686, Feb. 12; Serial No. 604,748, published Oct. 30, 1951. Class 1.

Sohmer & Co. Inc.: *See*—
Sohmer & Company.

Sohmer & Company, to Sohmer & Co. Inc., New York, N. Y. Pianos. 85,691, re-renewed Mar. 5, 1952. O. G. Feb. 12. Class 36.

Sorensen & Company, Inc., Stamford, Conn. Devices for delivering power differing in one or more characteristics from its input power. 554,816, Feb. 12; Serial No. 617,516, published Nov. 6, 1951. Class 21.

South Shore Packing Corporation, The, Vermilion, Ohio. Olives. 554,737, Feb. 12; Serial No. 608,191, published Nov. 13, 1951. Class 46.

Southern Wood Preserving Company, East Point, Ga. Wood poles and wood cross arms. 554,673, Feb. 12; Serial No. 603,209, published Oct. 30, 1951. Class 12.

Specialized Instruments Corporation, Belmont, Calif. Centrifuge equipment. 554,706, Feb. 12; Serial No. 598,331, published Sept. 18, 1951. Class 23.

Spontane Mfg. Company, Atlanta, Ga. Steam cleaning machines. 554,680, Feb. 12; Serial No. 603,553, published Nov. 6, 1951. Class 34.

Springfield Seed Company, Springfield, Mo. Field seeds, grass seeds, vegetable seeds, etc. 554,541, Feb. 12; Serial No. 544,127, published Oct. 30, 1951. Class 1.

Squibb, E. R., & Sons, New York, N. Y. Preparations for use in dysfunctions of the anterior pituitary gland. 292,434, renewed Mar. 15, 1952. O. G. Feb. 12. Class 18.

Standard Kiddies Sportswear: *See*—
Beenstock, Jack N.

Starr Piano Company, Inc., The: *See*—
Starr Piano Company, The.

Starr Piano Company, The, by The Starr Piano Company, Inc., Richmond, Ind. Pianos. 83,371, Sept. 5, 1911. Republished Feb. 12. Class 36.

Stein, Hall & Company, Inc., New York, N. Y. Food products. 554,576, Feb. 12; Serial No. 575,100, published Nov. 6, 1951. Class 46.

Stephano Brothers, Philadelphia, Pa. Cigarettes. 554,762, Feb. 12; Serial No. 609,821, published Oct. 30, 1951. Class 17.

Stevens Industries, Inc., doing business under the name and style of Cinderella Foods, Dawson, Ga. Peanut butter. 554,852, Feb. 12; Serial No. 603,503. Class 46.

Stewart-Warner Corporation, Chicago, Ill. Gas or liquid-fired space heating equipment. 554,807, Feb. 12; Serial No. 612,278, published Nov. 20, 1951. Class 34.

Stier, Joseph B., doing business under the name of Styson Art Products Co., New York, N. Y. Aluminum table ware. 554,681, Feb. 12; Serial No. 603,557, published Nov. 20, 1951. Class 13.

Styson Art Products Co.: *See*—
Stier, Joseph B.

Sullivan, John D., doing business as Knee Chaps, Carlsbad, N. Mex. Decorative patch. 554,733, Feb. 12; Serial No. 607,874, published Oct. 2, 1951. Class 40.

Sunshine Biscuits, Inc., Long Island City, N. Y. Crackers. 554,826, Feb. 12; Serial No. 527,033. Class 46.

Sweets Company of America, Inc., New York, N. Y., to The Sweets Company of America, Incorporated (also known as The Sweets Company of America, Inc.), Hoboken, N. J. Candy. 292,927, renewed Mar. 29, 1952. O. G. Feb. 12. Class 46.

Sweets Company of America, Inc., The: *See*—
Sweets Company of America, Inc.

Sweets Company of America, Incorporated, The: *See*—
Sweets Company of America, Inc.

Swett Bros. Heating and Appliance Company, Springfield, Mass. Packaged members made from sheet metal for ventilating, heating, and air conditioning systems. 554,607, Feb. 12; Serial No. 584,704, published Nov. 6, 1951. Class 34.

Swift & Company, Chicago, Ill. Powdered whole milk. 554,739, Feb. 12; Serial No. 608,228, published Oct. 30, 1951. Class 46.

Syndicate Sales Company, Kokomo, Ind. Lapel vases. 554,610, Feb. 12; Serial No. 585,086, published Nov. 20, 1951. Class 40.

Szejner, Antoni & Frances, Co., Chicago, Ill. Salve. 554,558, Feb. 12; Serial No. 563,444, published Oct. 23, 1951. Class 18.

Taylors, John, Limited, Huddersfield, England. Worsted suitings. 554,690, Feb. 12; Serial No. 605,537, published July 3, 1951. Class 42.

Tell City Chair Company, Tell City, Ind. Chairs. 288,821, renewed Nov. 3, 1951. O. G. Feb. 12. Class 32.

Terrytoons, Inc., New Rochelle, N. Y. Comic strips. 554,791, Feb. 12; Serial No. 611,201, published Nov. 20, 1951. Class 38.

Theodor, Inc., Los Angeles, Calif. Leather. 554,763, Feb. 12; Serial No. 609,952, published Oct. 30, 1951. Class 1.

Thomas, Warren G., doing business under the trade name and style of Portaglide, Philadelphia, Pa. Hardware for sliding doors. 554,672, Feb. 12; Serial No. 603,132, published Nov. 20, 1951. Class 13.

Thompson Publishing Company: *See*—
McAdams, Wm. Douglas.

Thornfield, Charles, doing business as Furmoto Chemical Company, London, England. Preparation for cleaning and polishing glass. 554,617, Feb. 12; Serial No. 586,799, published Nov. 20, 1951. Class 4.

Tiedemann & McMorran, Inc.: *See*—
Tiedemann & McMorran.

Tiedemann & McMorran, to Tiedemann & McMorran, Inc., San Francisco, Calif. Canned fruits, canned vegetables, dried fruits, etc. 292,416, renewed Mar. 15, 1952. O. G. Feb. 12. Class 46.

Titcomb, H. H., Concord, Calif., by Simons & French Company, Incorporated, Sacramento, Calif., and New York, N. Y. Fresh deciduous fruits. 392,991, Jan. 20, 1942. Republished Feb. 12. Class 46.

Toch Brothers, Inc., New York, to Toch Brothers, Incorporated, Staten Island, N. Y. Ready-mixed paint and paint enamel. 291,118, renewed Jan. 26, 1952. O. G. Feb. 12. Class 16.

Toch Brothers, Incorporated: *See*—
Toch Brothers, Inc.

Towne Watch Co., Chicago, Ill. Watches. 554,752, Feb. 12; Serial No. 609,575, published Oct. 30, 1951. Class 27.

Traford Fabrics, Inc., New York, N. Y., now by change of name Travis Fabrics, Inc. Fabrics. 554,845, Feb. 12; Serial No. 599,994. Class 42.

Travel Trade Publishing Corp., New York, N. Y. Periodical. 554,736, Feb. 12; Serial No. 608,025, published Nov. 20, 1951. Class 38.

Travis Fabrics, Inc.: *See*—
Traford Fabrics, Inc.

Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic material. 554,600, Feb. 12; Serial No. 583,320, published Oct. 9, 1951. Class 12.

Tricosa, Paris, France. Knitted outer wear. 554,625, Feb. 12; Serial No. 589,051, published Nov. 6, 1951. Class 39.

Tripler, F. R., & Co. Inc., New York, N. Y. Knitted jersey shirts. 291,635, renewed Feb. 23, 1952. O. G. Feb. 12. Class 39.

Troy Engine & Machine Company, assignee: *See*—
Brasington Corporation.

Trump Associates Sales, Inc., assignee: *See*—
Trump, Frederic J.

Trump, F. J.: *See*—
Trump, Frederic J.

Trump, Frederic J., doing business as F. J. Trump, Stamford, Conn., assignor to Trump Associates Sales, Inc., Tucson, Ariz. Cleansing cream, cold cream, lipstick, etc. 554,523, Feb. 12; Serial No. 505,085, published July 4, 1950. Class 51.

Tubing Appliance Company Inc., Los Angeles, Calif. Wrenches. 554,771, Feb. 12; Serial No. 610,391, published Oct. 9, 1951. Class 23.

United Feature Syndicate, Inc., New York, N. Y. Feature in a periodical. 554,777, Feb. 12; Serial No. 610,723, published Nov. 13, 1951. Class 38.

United Sound and Signal Co., Inc., Columbia, Pa. Lettered advertising display cards. 554,703, Feb. 12; Serial No. 597,243, published Nov. 13, 1951. Class 38.

United States Electric Mfg. Corp.: *See*—
Daisy Battery Corp.

United States Graphite Company, Division of The Wickes Corporation, The, Saginaw, Mich. Prepared pulverized material. 554,768, Feb. 12; Serial No. 610,196, published Nov. 13, 1951. Class 1.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 554,651, Feb. 12; Serial No. 599,351, published Nov. 20, 1951. Class 22.

United States Rubber Company, New York, N. Y. Plastic materials. 554,753, Feb. 12; Serial No. 609,576, published Oct. 30, 1951. Class 1.

United States Rubber Company, New York, N. Y. Pipes and pipe fittings. 554,754, Feb. 12; Serial No. 609,577, published Nov. 20, 1951. Class 13.

Vanadium-Alloys Steel Company, Latrobe, Pa. Tool steel. 554,711, Feb. 12; Serial No. 606,446, published Nov. 20, 1951. Class 14.

Vanadium-Alloys Steel Company, Latrobe, Pa. Tool steel. 554,713, Feb. 12; Serial No. 606,639, published Nov. 20, 1951. Class 14.

Verflex Co., Inc., The, Carlstadt, N. J. Ready mixed oil-containing paints, synthetic enamels, varnishes, etc. 554,645, Feb. 12; Serial No. 595,107, published Sept. 25, 1951. Class 16.

Verflex Co., Inc., The, Carlstadt, N. J. Ready mixed oil-containing paints, synthetic enamels, varnishes, etc. 554,646, Feb. 12; Serial No. 595,109, published Sept. 25, 1951. Class 16.

Victor Equipment Company, San Francisco, Calif. Coated and uncoated welding rods. 554,647, Feb. 12; Serial No. 595,177, published Nov. 20, 1951. Class 14.

Victor Equipment Company, San Francisco, Calif. Coated and uncoated welding rods. 554,658, Feb. 12; Serial No. 600,868, published Nov. 20, 1951. Class 14.

Visual Education Association, Inc., Dayton, Ohio. Sets of cards. 554,769, Feb. 12; Serial No. 610,303, published Nov. 13, 1951. Class 38.

Vita-Cress Company, Mesa, Ariz. White curled cress seeds. 554,705, Feb. 12; Serial No. 597,796, published Oct. 30, 1951. Class 1.

Vogt Processes, Incorporated, Louisville, Ky. Frozen confections. 335,298, June 2, 1936. Canceled Jan. 5, 1952. O. G. Feb. 12. Class 46.

Vollrath Co., The, Sheboygan, Wis. Stainless steel bowls, refrigerator dishes, vegetable inserts, etc. 293,178, renewed Apr. 12, 1952. O. G. Feb. 12. Class 13.

W-L Molding Company, Kalamazoo, Mich. Bearings and rollers. 554,707, Feb. 12; Serial No. 605,620, published Sept. 25, 1951. Class 23.

W & W Manufacturing Company, Grandview, Mo. Venetian blind cleaning brush for attachment to suction cleaner hose. 554,542, Feb. 12; Serial No. 545,320, published Oct. 23, 1951. Class 23.

Waggener Paint Company, North Kansas City, Mo. Varnishes, paint enamels, lacquers, etc. 292,069, renewed Mar. 1, 1952. O. G. Feb. 12. Class 16.

Wakefield Item Company, Wakefield, Mass. Newspaper. 288,945, renewed Nov. 10, 1951. O. G. Feb. 12. Class 38.

Wakefield Item Company, Wakefield, Mass. Pamphlets, timetables, whist scores, and printed forms and booklets. 289,141, renewed Nov. 17, 1951. O. G. Feb. 12. Class 38.

Waldoroth Label Corporation, Boston, Mass. Printed woven labels. 554,687, Feb. 12; Serial No. 604,876, published Nov. 20, 1951. Class 38.

Warsaw Furniture Manufacturing Corp., Warsaw, Ind. Living room tables. 554,844, Feb. 12; Serial No. 596,888. Class 32.

Washington Fish & Oyster Co., Inc., Seattle, Wash. Canned salmon. 554,551, Feb. 12; Serial No. 552,823, published Nov. 6, 1951. Class 46.

Washington Post Company, The, Washington, D. C. Column in a newspaper. 554,779, Feb. 12; Serial No. 610,811, published Nov. 20, 1951. Class 38.

Washington Publications, Inc., New York, N. Y. Weekly periodical. 554,743, Feb. 12; Serial No. 608,688, published Nov. 13, 1951. Class 38.

Weaver Manufacturing Company, Springfield, Ill. Automobile testing appliances. 293,596, May 3, 1932. Republished Feb. 12. Class 26.

West Disinfecting Company, Long Island City, N. Y. Varnish-like preparation for finishing and treating floors. 554,589, Feb. 12; Serial No. 580,445, published Nov. 6, 1951. Class 16.

Wester Bros. to Herbert Wester, doing business as Wester Bros., New York, N. Y. Razors, scissors, and pocket knives. 85,302, re-renewed Feb. 6, 1952. O. G. Feb. 12. Class 23.

Wester, Herbert: *See*—
Wester Bros.

Western Pine Association, Portland, Oreg. Lumber and lath. 554,823, Feb. 12; Serial No. 595,580, published Sept. 25, 1951. Class 12.

Western Stove Co., Inc., Culver City, Calif. Gas and electric space heaters, gas and electric ranges, etc. 397,165, Aug. 25, 1942. Amended. O. G. Feb. 12. Class 34.

Western Tablet & Stationery Corporation: *See*—
Kalamazoo Vegetable Parchment Company.

Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Liquid phenolic resin. 554,626, Feb. 12; Serial No. 590,117, published Oct. 9, 1951. Class 6.

Wholesale Equipment Corporation, Kansas City, Mo. Furnaces, boilers, and gas burners. 554,606, Feb. 12; Serial No. 584,517, published Apr. 10, 1951. Class 34.

Williamson, Garfield, Inc., Jersey City, N. J. Grass seed. 554,773, Feb. 12; Serial No. 610,437, published Nov. 13, 1951. Class 1.

Williford Manufacturing Company, Memphis, Tenn. Pallet and skid platforms. 554,731–2. Feb. 12; Serial Nos. 607,784–5, published Oct. 30, 1951. Class 50.

Wilmington Hosiery Mills, Inc., Wilmington, Del. Socks. 554,751, Feb. 12; Serial No. 609,459, published Oct. 30, 1951. Class 39.

Winthrop-Stearns Inc., New York, N. Y. Local and regional anesthetic. 554,781, Feb. 12; Serial No. 610,883, published Oct. 30, 1951. Class 18.

Wood Fabricating Co., Portland, Oreg. Collapsible wooden shipping boxes. 554,837, Feb. 12; Serial No. 579,851. Class 2.

Zerillo, Lorenzo, Riverbank, Calif. Canned vegetables and canned tomato paste. 554,676, Feb. 12; Serial No. 603,425, published Oct. 30, 1951. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cattle. L. T. Sawyer. 554,728, Feb. 12; Serial No. 607,642, published Oct. 30, 1951.

Coal. Island Creek Coal Sales Company. 554,764–5, Feb. 12; Serial Nos. 610,075–6, published Oct. 30, 1951.

Coal. The Lehigh Coal and Navigation Company. 554,757. Feb. 12; Serial No. 609,731, published Oct. 30, 1951.

Fiber products in the form of creped wadding, sheets, and fluff. Kimberly-Clark Corporation. 554,685, Feb. 12; Serial No. 604,581, published Oct. 30, 1951.

Hybrid seed corn. Pride Hybrid Company. 554,730, Feb. 12; Serial No. 607,762, published Oct. 30, 1951.

Leather. F. C. Donovan, Inc. 554,682, Feb. 12; Serial No. 603,955, published Oct. 30, 1951.

Leather. John R. Evans & Company. 554,766, Feb. 12; Serial No. 610,123, published Nov. 6, 1951.

Leather. Leas & McVitty, Inc. 293,139, renewed Apr. 12, 1952. O. G. Feb. 12.

Leather. Theodor, Inc. 554,763, Feb. 12; Serial No. 609,952, published Oct. 30, 1951.

Mined raw material. The American Fluresit Company. 280,435, Feb. 17, 1931. Corrected. O. G. Feb. 12.

Plastic films and sheets. The Firestone Tire & Rubber Company. 554,678, Feb. 12; Serial No. 603,479, published Nov. 13, 1951.

Plastic materials. United States Rubber Company. 554,753, Feb. 12; Serial No. 609,576, published Oct. 30, 1951.

Pulverized material, Prepared. The United States Graphite Company, Division of The Wickes Corporation. 554,768, Feb. 12; Serial No. 610,196, published Nov. 13, 1951.

Quartzite. Crab Orchard Stone Co., Inc. 289,322, renewed Nov. 24, 1951. O. G. Feb. 12.

Seed, Grass. Williamson, Garfield, Inc. 554,773, Feb. 12; Serial No. 610,437, published Nov. 13, 1951.

Seeds, Agricultural. F. W. Rickard. 554,582, Feb. 12; Serial No. 577,454, published Oct. 30, 1951.

Seeds, Field, grass seed, vegetable seeds, etc. Springfield Seed Company. 554,541, Feb. 12; Serial No. 544,127, published Oct. 30, 1951.

Seeds, White curled cress. Vita-Cress Company. 554,705, Feb. 12; Serial No. 597,796, published Oct. 30, 1951.

Skins, Dressed and finished hare and rabbit. Societe Anonyme Des Anciens Etablissements C. & E. Chapal Freres et Cie. 554,686, Feb. 12; Serial No. 604,748, published Oct. 30, 1951.

Synthetic and natural resinous materials. The Chemstrand Corporation. 554,615, Feb. 12; Serial No. 586,620, published Oct. 30, 1951.

Synthetic polyester fibers. E. I. du Pont de Nemours and Company. 554,811, Feb. 12; Serial No. 612,449, published Nov. 13, 1951.

Vinyl resin materials. Monsanto Chemical Company. 554,659, Feb. 12; Serial No. 601,455, published Oct. 30, 1951.

Wood cellulose, Highly purified. Rayonier Incorporated. 554,760–1, Feb. 12; Serial Nos. 609,813–14, published Nov. 6, 1951.

CLASS 2

Bags, Paper. Gulf States Paper Corporation. 554,704, Feb. 12; Serial No. 597,606, published Nov. 20, 1951.

Boxes and cartons, etc., Corrugated and laminated paperboard. Brown Container Company, Inc. 554,581, Feb. 12; Serial No. 577,365, published Nov. 20, 1951.

Boxes, Collapsible wooden shipping. Wood Fabricating Co. 554,837, Feb. 12; Serial No. 579,851.

Boxes, Wooden. American Artists' Color Works, Inc. 554,849, Feb. 12; Serial No. 602,013.

Boxes, Wooden, metal or plastic mortar, cast iron fire baskets. The Donley Brothers Company. 554,702, Feb. 12; Serial No. 596,902, published Nov. 20, 1951.

Cups, Paper, paper plates and paper coasters. Paper Art Company, Inc. 554,534, Feb. 12; Serial No. 533,768, published Nov. 20, 1951.

Dish, Plastic feeding. Ideal Novelty & Toy Co. 554,841, Feb. 12; Serial No. 594,774.

Drums, Wooden. The Greif Bros. Cooperage Corporation. 554,531, Feb. 12; Serial No. 532,927, published Nov. 13, 1951.

Drums, Wooden. The Greif Bros. Cooperage Corporation. 554,533, Feb. 12; Serial No. 533,733, published Nov. 13, 1951.

Receptacles. Lily-Tulip Cup Corporation. 290,396, renewed Jan. 5, 1952. O. G. Feb. 12.

Trays, Wooden and paper-board serving. Haskelite Manufacturing Corporation. 554,652, Feb. 12; Serial No. 599,374, published Nov. 20, 1951.

Vacuum bottles, metal lunch boxes containing vacuum bottles, etc. Globe Vacuum Bottle Corporation. 554,734, Feb. 12; Serial No. 607,952, published Nov. 20, 1951.

CLASS 4

Dry cleaner, Liquid, shaving cream, shoe polish, etc. Kresge Department Store Corp. 291,007, renewed Jan. 26, 1952. O. G. Feb. 12.

Polish and cleaner, Furniture. Fred A. Brown Company. 554,627, Feb. 12; Serial No. 590,544, published Nov. 20, 1951.

Preparation for cleaning and polishing glass. Charles Thornfield. 554,617, Feb. 12; Serial No. 586,799, published Nov. 20, 1951.

CLASS 5

Cement, Thermoplastic. B. B. Chemical Co. 554,563, Feb. 12; Serial No. 568,488, published Oct. 30, 1951.

Core binder oil. Archer-Daniels-Midland Company. 554,674, Feb. 12; Serial No. 603,281, published Oct. 30, 1951.

Mucilage and adhesive paste. The Carter's Ink Company. 292,692, renewed Mar. 22, 1952. O. G. Feb. 12.

CLASS 6

Aerosol bombs. Hysan Products Company. 554,784, Feb. 12; Serial No. 610,976, published Nov. 20, 1951.

Antiseptic solution for the treatment of diapers, towels, and the like. Homemakers' Products Corporation. 554,782, Feb. 12; Serial No. 610,906, published Nov. 20, 1951.

Carbon black. Godfrey L. Cabot, Inc. 554,810, Feb. 12; Serial No. 612,385, published Nov. 27, 1951.

Chemical for making photographic fixing bath. Eastman Kodak Company. 554,809, Feb. 12; Serial No. 612,316, published Nov. 27, 1951.

Chemical for making photographic stop bath. Eastman Kodak Company. 554,808, Feb. 12; Serial No. 612,315, published Nov. 27, 1951.

Chloride of lime, and sodium hypochlorite solution. H. M. Sinclair, Jr. 554,579, Feb. 12; Serial No. 575,935, published Aug. 15, 1950.

Composition having germicidal and softening properties. Cal Products Company. 554,799, Feb. 12; Serial No. 611,600, published Nov. 20, 1951.

Laundry starch. The Hubinger Company. 554,856–7, Feb. 12; Serial Nos. 606,220–1.

Lime sulfur insecticide solution and petroleum hydrocarbon weed killer. C. E. Duggan. 554,786, Feb. 12; Serial No. 611,127, published Nov. 27, 1951.

Liquid phenolic resin. Westinghouse Electric Corporation. 554,626, Feb. 12; Serial No. 590,117, published Oct. 9, 1951.

Parasiticides. Food Machinery and Chemical Corporation. 554,588, Feb. 12; Serial No. 580,189, published Nov. 20, 1951.

Pigments and fillers. J. M. Huber, Inc. 289,497, renewed Dec. 1, 1951. O. G. Feb. 12.

Soda ash, caustic soda, and modified forms of each. Diamond Alkali Company. 554,592, Feb. 12; Serial No. 581,326, published Nov. 20, 1951.

Wetting agent, penetrating and foaming agent. Alrose Chemical Company. 554,546, Feb. 12; Serial No. 546,937, published June 7, 1949.

CLASS 8

Ash tray, snuffer, and cigarette and cigar rest, Combined. Hamilton Art Metal Corporation. 554,838, Feb. 12; Serial No. 586,352.

Pipes, Smokers'. John Hudson Moore, Inc. 554,744, Feb. 12; Serial No. 608,713, published Nov. 6, 1951.

Pipes, Smokers'. John Hudson Moore, Inc. 554,853, Feb. 12; Serial No. 605,172.

CLASS 12

Awnings, Metal, door hoods, and louver awnings. Dracco Corporation. 554,745, Feb. 12; Serial No. 608,861, published Oct. 30, 1951.

Combination storm-screens. Alumatic Corporation of America. 554,666, Feb. 12; Serial No. 602,819, published Oct. 30, 1951.

Construction materials. All-Steel Equipment Inc. 554,552, Feb. 12; Serial No. 554,194, published Oct. 23, 1951.

Construction materials. All-Steel Equipment Inc. 554,555, Feb. 12; Serial No. 556,518, published Oct. 23, 1951.

Doors. Atlas Overhead Door Company. 554,638, Feb. 12; Serial No. 593,645, published Oct. 30, 1951.

Garage doors. Capitol Products. 554,829, Feb. 12; Serial No. 554,363.

Ladle lining refractory cement. The Robinson Clay Product Company. 554,699, Feb. 12; Serial No. 596,240, published Sept. 25, 1951.

Lumber and lath. Western Pine Association. 554,823, Feb. 12; Serial No. 595,580, published Sept. 25, 1951.

Mastic material. The Tremco Manufacturing Company. 554,600, Feb. 12; Serial No. 583,320, published Oct. 9, 1951.

Moisture-repellent penetrating coating for masonry material. Forman, Ford & Company. 554,560, Feb. 12; Serial No. 567,250, published Oct. 30, 1951.

Paving and lining slabs and blocks. S. A. Pour la Fabrication de Materiaux de Construction "Fademac." 554,584, Feb. 12; Serial No. 577,812, published Oct. 9, 1951.

Plywood. Douglas Fir Plywood Association. 554,824, Feb. 12; Serial No. 596,399, published Sept. 25, 1951.

Porcelain enamel sheet siding. Davidson Enamel Products, Inc. 554,595, Feb. 12; Serial No. 581,761, published Oct. 23, 1951.

Prefabricated clothes chutes and prefabricated dust chutes. Ernest Kluegel Co. 554,603, Feb. 12; Serial No. 583,760, published Oct. 23, 1951.

Resinous plastic surfacing materials and laminated plastic surfacing materials. St. Regis Paper Company. 554,619, Feb. 12; Serial No. 587,975, published Oct. 2, 1951.

Roofing, Metal, metal roofing materials, etc. Nichols Wire and Aluminum Co. 554,562, Feb. 12; Serial No. 568,439, published Sept. 25, 1951.

Sealing compound, putty-like paste. Permatex Company, Inc. 554,544, Feb. 12; Serial No. 545,878, published Oct. 30, 1951.

Shingles, Square-butt strip. The Logan-Long Company. 554,605, Feb. 12; Serial No. 584,039, published Oct. 23, 1951.

Silica mortar. General Refractories Company. 554,622, Feb. 12; Serial No. 588,795, published Sept. 25, 1951.

Stone for use in buildings. H. H. Garner, Jr. 554,698, Feb. 12; Serial No. 596,222, published Sept. 25, 1951.

Super-duty silica refractory brick. General Refractories Company. 554,740, Feb. 12; Serial No. 608,308, published Oct. 30, 1951.

Wood poles and wood cross arms. Southern Wood Preserving Company. 554,673, Feb. 12; Serial No. 603,209, published Oct. 30, 1951.

CLASS 13

Aluminum table ware. J. B. Stier. 554,681, Feb. 12; Serial No. 603,557, published Nov. 20, 1951.

Anti-skid chains. The National Screw and Manufacturing Company. 554,813, Feb. 12; Serial No. 613,231, published Nov. 13, 1951.

Bowls, refrigerator dishes, vegetable insets, etc., Stainless steel. The Vollrath Co. 293,178, renewed Apr. 12, 1952. O. G. Feb. 12.

Clips for fastening ornamental trim on automotive vehicles. National Autocraft Manufacturing Co. 554,668, Feb. 12; Serial No. 602,909, published Nov. 13, 1951.

Curtain rails, and accessories therefor. Lilo-Rail of America Inc. 554,746, Feb. 12; Serial No. 608,937, published Nov. 6, 1951.

Hanger, Hook and eye type wall. J. M. Margulis. 554,726, Feb. 12; Serial No. 607,337, published Nov. 13, 1951.

Hardware for sliding doors. W. G. Thomas. 554,672, Feb. 12; Serial No. 603,132, published Nov. 20, 1951.

Light metal ware. Norben, Inc. 554,614, Feb. 12; Serial No. 586,541, published Nov. 13, 1951.

Metal pipe, tubes, and fittings therefor. The National Supply Company. 554,756, Feb. 12; Serial No. 609,660, published Nov. 20, 1951.

Pipes and pipe fittings. United States Rubber Company. 554,734, Feb. 12; Serial No. 609,577, published Nov. 20, 1951.

Slide fasteners. Gem Slide Fastener Co. 554,812, Feb. 12; Serial No. 612,904, published Nov. 13, 1951.

Utensils, Cooking. Lo-Heet Stainless Steel Co. 554,521, Feb. 12; Serial No. 478,590, published Nov. 20, 1951.

Valves. Audley Engineering Company Limited. 554,596, Feb. 12; Serial No. 582,340, published Nov. 20, 1951.

Wheeled stand. W. S. Feagan. 554,529, Feb. 12; Serial No. 520,274, published Nov. 13, 1951.

CLASS 14

Brass, copper, nitralloy, etc. Moore Drop Forging Company. 292,165, renewed Mar. 1, 1952. O. G. Feb. 12.

Castings, Copper. Phelps Dodge Corporation. 290,097, renewed Dec. 22, 1951. O. G. Feb. 12.

Metal fibre. Brillo Manufacturing Company, Inc. 291,010, renewed Jan. 26, 1952. O. G. Feb. 12.

Stainless steel and chromium steel sheets. Armco Steel Corporation. 514,598, Aug. 30, 1949. Canceled Jan. 8, 1952. O. G. Feb. 12.

Steel, Tool. Vanadium-Alloys Steel Company. 554,711, Feb. 12; Serial No. 606,446, published Nov. 20, 1951.

Steel, Tool. Vanadium-Alloys Steel Company. 554,713, Feb. 12; Serial No. 606,639, published Nov. 20, 1951.

Welding rods, Coated and uncoated. Victor Equipment Company. 554,647, Feb. 12; Serial No. 595,177, published Nov. 20, 1951.

Welding rods, Coated and uncoated. Victor Equipment Company. 554,658, Feb. 12; Serial No. 600,868, published Nov. 20, 1951.

CLASS 15

Disinfectants, Insecticides, insect sprays, etc., for general industrial use. DeMert & Dougherty, Inc. 554,524, Feb. 12; Serial No. 509,504, published Oct. 23, 1951.

Mineral waxes. Pennotex Oil Corporation. 554,569, Feb. 12; Serial No. 571,478, published Oct. 30, 1951.

Oil, Lubricating. Continental Oil Company. 554,618, Feb. 12; Serial No. 587,250, published Oct. 30, 1951.

Oil, Motor. Marathon Lubricant Co., Inc. 554,527, Feb. 12; Serial No. 517,500, published Oct. 30, 1951.

Petroleum waxes, lubricating greases, lubricating oils, and motor fuels. The Atlantic Refining Company. 554,688, Feb. 12; Serial No. 605,086, published Oct. 16, 1951.

CLASS 16

Enamel and flat paints. F. O. Pierce Company. 554,643, Feb. 12; Serial No. 594,576, published Oct. 9, 1951.

Enamels, Paint. North American Paint & Chemical Co. Ltd. 293,190, renewed Apr. 12, 1952. O. G. Feb. 12.

Opacifying materials for use in vitreous enamels. Rohm & Haas Company. 288,338, renewed Oct. 27, 1951. O. G. Feb. 12.

Paint, Chemicals, Inc. 554,575, Feb. 12; Serial No. 574,209, published Feb. 14, 1950.

Paint, Double-strength white paste. Devoe & Raynolds Company, Inc. 554,557, Feb. 12; Serial No. 559,464, published Sept. 25, 1951.

Paint, Exterior aluminum. Central Petroleum Company. 554,535, Feb. 12; Serial No. 534,741, published Oct. 9, 1951.

Paint, House interior. Sears, Roebuck and Co. 554,624, Feb. 12; Serial No. 588,899, published Oct. 9, 1951.

Paint, Ready-mixed, and paint enamel. Toch Brothers, Inc. 291,118, renewed Jan. 26, 1952. O. G. Feb. 12.

Paint, Ready mixed oil. Davis Paint Co. 444,135, Aug. 8, 1950. Republished Feb. 12.

Paint, Ready mixed oil, varnish, and paint enamel. New Method Paint Co. 442,115, Feb. 22, 1949. Republished Feb. 12.

Paint, Roost, and sheep marking paint. Sears, Roebuck and Co. 554,566, Feb. 12; Serial No. 570,642, published Nov. 6, 1951.

Paints. The Reardon Company. 290,629, renewed Jan. 12, 1952. O. G. Feb. 12.

Paints, Automotive. R. N. Nason & Co. 554,545, Feb. 12; Serial No. 546,860, published Nov. 13, 1951.

Paints, Interior and exterior house, varnishes, and air-drying enamels. Pecora Paint Co. 554,586, Feb. 12; Serial No. 579,290, published Oct. 9, 1951.

Paints, Interior, and pigmented sealers. The Black Diamond Paint & Varnish Works, Inc. 554,547, Feb. 12; Serial No. 547,309, published Nov. 6, 1951.

Paints, Ready-mixed cold water and paste, etc. North American Paint & Chemical Co. Ltd. 293,021, renewed Apr. 5, 1952. O. G. Feb. 12.

Paints, Ready mixed oil-containing, synthetic enamels, varnishes, etc. The Verflex Co., Inc. 554,645, Feb. 12; Serial No. 595,107, published Sept. 25, 1951.

Paints, Ready mixed oil-containing, synthetic enamels, varnishes, etc. The Verflex Co., Inc. 554,646, Feb. 12; Serial No. 595,109, published Sept. 25, 1951.

Paints, Ready mixed, ready mixed paint primers and sealers, etc. Mautz Paint & Varnish Company. 554,537, Feb. 12; Serial No. 540,296, published Oct. 9, 1951.

Solvent cleaning agent for removing organic paint films. C. W. Smith. 554,663, Feb. 12; Serial No. 602,125, published Oct. 9, 1951.

Varnish. Davis Paint Co. 440,983, Oct. 12, 1948. Republished Feb. 12.

Varnish and paint enamel. New Method Paint Co. 441,558, Dec. 7, 1948. Republished Feb. 12.

Varnish-like preparation for finishing and treating floors. West Disinfecting Company. 554,589, Feb. 12; Serial No. 580,445, published Nov. 6, 1951.

Varnish, liquid varnish, stains and wood stains. Republic Paint & Varnish Co. 554,538, Feb. 12; Serial No. 540,879, published Oct. 3, 1950.

Varnish, Spar, and varnish stain. F. O. Pierce Company. 554,642, Feb. 12; Serial No. 594,573, published Nov. 6, 1951.

Varnishes, paint enamels, lacquers, etc. Waggener Paint Company. 292,069, renewed Mar. 1, 1952. O. G. Feb. 12.

CLASS 17

Cigarettes. Peter Jackson (Overseas) Limited. 554,759, Feb. 12; Serial No. 609,801, published Nov. 13, 1951.

Cigarettes. Larus & Brother Company. 554,654–5, Feb. 12; Serial Nos. 600,174–5, published Nov. 13, 1951.

Cigarettes. Stephano Brothers. 554,762, Feb. 12; Serial No. 609,821, published Oct. 30, 1951.

Cigarettes, cigars, and pipe tobacco. Murray Hill Restaurant, Inc. 554,789, Feb. 12; Serial No. 611,185, published Nov. 20, 1951.

Cigars. Fleming-Hall Tobacco Co., Inc. 554,776, Feb. 12; Serial No. 610,548, published Nov. 13, 1951.

Cigars. The S. Frieder & Sons Company. 554,709, Feb. 12; Serial No. 606,194, published Oct. 30, 1951.

Tobacco products. Federal Prison Industries, Inc. 554,738, Feb. 12; Serial No. 608,204, published Oct. 30, 1951.

Tobacco, Smoking. The American Tobacco Company. 554,636, Feb. 12; Serial No. 593,579, published Oct. 30, 1951.

Tobacco, Smoking. Larus & Brother Company. 554,796, Feb. 12; Serial No. 611,525, published Nov. 13, 1951.

Tobacco, Smoking. Philip Morris & Co. Ltd., Incorporated. 554,797, Feb. 12; Serial No. 611,579, published Nov. 13, 1951.

CLASS 18

Expectorant for coughs. H. L. Moyer Company, Inc. 554,526, Feb. 12; Serial No. 513,189, published Oct. 9, 1951.

Fat-soluble vitamin concentrates. Nopco Chemical Company. 554,716–17, Feb. 12; Serial Nos. 606,795–6, published Oct. 23, 1951.

Intravenous solutions. Don Baxter, Inc. 321,355, Jan. 29, 1935. Canceled Dec. 6, 1951. O. G. Feb. 12.

Lipotropic agent. George A. Breon & Company. 554,780, Feb. 12; Serial No. 610,819, published Oct. 30, 1951.

Local and regional anesthetic. Winthrop-Stearns Inc. 554,781, Feb. 12; Serial No. 610,883, published Oct. 30, 1951.

Medicated solution. Abbott Laboratories. 554,548, Feb. 12; Serial No. 548,218, published Oct. 30, 1951.

Medicine of a fungicidal and antiseptic nature. Scientific Solutions, Inc. 554,750, Feb. 12; Serial No. 609,421, published Oct. 30, 1951.

Preparation containing pregneninolone (anhydrohydroxy progesterone). Parke, Davis & Company. 554,564, Feb. 12; Serial No. 570,272, published Oct. 30, 1951.

Preparations for use in dysfunctions of the anterior pituitary gland. E. R. Squibb & Sons. 292,434, renewed Mar. 15, 1952. O. G. Feb. 12.

Remedy for asthma, rose cold, etc. Himrod Man'f'g Co. 85,349, re-renewed Feb. 13, 1952. O. G. Feb. 12.

Remedy for liver complaint, billousness, etc. C. H. Smith. 82,921, re-renewed Aug. 1, 1951. O. G. Feb. 12.

Riboflavin. Nopco Chemical Company. 554,715, Feb. 12; Serial No. 606,794, published Oct. 23, 1951.

Salve. Antoni & Frances Szejner Co. 554,558, Feb. 12; Serial No. 563,444, published Oct. 23, 1951.

Tonic, General. Brewer & Company, Inc. 287,399, renewed Sept. 22, 1951. O. G. Feb. 12.

Vitamin concentrates, Fat-soluble. Nopco Chemical Company. 554,721, Feb. 12; Serial No. 606,803, published Oct. 23, 1951.

Vitamin-containing solids, High potency. Nopco Chemical Company. 554,718, Feb. 12; Serial No. 606,797, published Oct. 23, 1951.
Vitamin-containing solids, High potency. Nopco Chemical Company. 554,719–20, Feb. 12; Serial Nos. 606,801–02, published Oct. 23, 1951.

CLASS 19

Elevating end closure for trucks. Hercules Steel Products Corporation. 554,836, Feb. 12; Serial No. 579,539.
Fender guides. Casco Products Corporation. 289,360, renewed Nov. 24, 1951. O. G. Feb. 12.

CLASS 21

Batteries, Electric. Daisy Battery Corp. 284,263, renewed June 23, 1951. O. G. Feb. 12.
Devices for delivering power differing in one or more characteristics from its input power. Sorensen & Company, Inc. 554,816, Feb. 12; Serial No. 617,516, published Nov. 6, 1951.
Electronic insect killers. Acme Products Corporation. 554,859, Feb. 12; Serial No. 611,991.
Lighting fixtures, Fluorescent. Electro Manufacturing Corporation. 554,858, Feb. 12; Serial No. 611,948.
Plugs, Attachment, electric sadirons, electric sadiron elements, etc. Presto Products Co. 236,795, Dec. 20, 1927. Amended. O. G. Feb. 12.
Telephonic apparatus. National Dictograph Co. 85,473, re-renewed Feb. 20, 1952. O. G. Feb. 12.

CLASS 22

Pickled shrimp bait. H. F. Cooper. 554,788, Feb. 12; Serial No. 611,171, published Nov. 20, 1951.
Playing cards. The United States Playing Card Company. 554,651, Feb. 12; Serial No. 599,351, published Nov. 20, 1951.
Sleds. Montello Products Company. 554,793, Feb. 12; Serial No. 611,294, published Nov. 20, 1951.

CLASS 23

Automotive clutches and parts thereof, clutch plates, clutch facings and springs, etc. Accurate Parts Manufacturing Company. 554,568, Feb. 12; Serial No. 571,387, published Sept. 18, 1951.
Bearings and rollers. W-- Molding Company. 554,707, Feb. 12; Serial No. 605,620, published Sept. 25, 1951.
Blowing machines. Northland Engineering & Manufacturing Company. 554,599, Feb. 12; Serial No. 582,646, published Oct. 30, 1951.
Brush for attachment to suction cleaner hose, Venetian blind cleaning. W & W Manufacturing Company. 554,542, Feb. 12; Serial No. 545,320, published Oct. 23, 1951.
Centrifugal machinery and equipment. The Leon J. Barrett Co. 554,530, Feb. 12; Serial No. 532,405, published Oct. 2, 1951.
Centrifuge equipment. Specialized Instruments Corporation. 554,706, Feb. 12; Serial No. 598,331, published Sept. 18, 1951.
Chains, Timing. Republic Gear Company. 554,790, Feb. 12; Serial No. 611,198, published Oct. 23, 1951.
Industrial grinding mills, mixers, and parts thereof. Morehouse Industries. 550,727, Nov. 13, 1951. Corrected. O. G. Feb. 12.
Knives and cleavers. Berg Sales Co. 554,830, Feb. 12; Serial No. 559,828.
Machine for polishing, buffing, sanding or drilling. The Shetland Co., Inc. 554,787, Feb. 12; Serial No. 611,149, published Oct. 23, 1951.
Machines for the precision finishing of holes or bores in parts of metal, fiber, and like materials. The Heald Machine Company. 292,921, renewed Mar. 29, 1952. O. G. Feb. 12.
Motor driven, high speed, three-roll mills. Brasington Corporation. 554,612, Feb. 12; Serial No. 586,233, published Oct. 30, 1951.
Petroleum refinery apparatus and parts thereof. The Koch Engineering Company, Inc. 444,655, Feb. 12; Serial No. 512,181, published Sept. 25, 1951.
Presses, Hydraulic metal working. E. W. Bliss Company. 554,532, Feb. 12; Serial No. 533,664, published Oct. 23, 1951.
Razor blades, paper spoons, paper forks, etc. Clover Farm Stores Corporation. 537,578, Feb. 13, 1951. Canceled Dec. 12, 1951. O. G. Feb. 12.
Razors, scissors, and pocket knives. Wester Bros. 85,302, re-renewed Feb. 6, 1952. O. G. Feb. 12.
Roll-forming machines, adjustable cradle reels, cutoff machines, etc. American Roller Die Corporation. 554,657, Feb. 12; Serial No. 600,804, published Nov. 13, 1951.
Seat mountings and suspensions, seats and seat cushions for use on tractors, etc. Bostrom Manufacturing Company. 554,684, Feb. 12; Serial No. 604,188, published Sept. 25, 1951.
Sewing machines, sewing machine parts, and sewing machine attachments. The New Williams Manufacturing Company, Limited. 554,834, Feb. 12; Serial No. 574,670.
Spraying apparatus mounted on a mobile vehicle. R. E. Morris Company, Inc. 554,556, Feb. 12; Serial No. 559,112, published Sept. 25, 1951.
Sweepers, Carpet. N. Abrams. 321,839, Feb. 19, 1935. Canceled Jan. 5, 1952. O. G. Feb. 12.
Turning machine. The Monarch Machine Tool Company. 554,774, Feb. 12; Serial No. 610,451, published Oct. 9, 1951.
Trenches. Tubing Appliance Company, Inc. 554,771, Feb. 12; Serial No. 610,391, published Oct. 9, 1951.

CLASS 24

Laundry machines, Domestic. Automatic Washer Company. 408,153, July 18, 1944. Canceled Jan. 9, 1952. O. G. Feb. 12.

CLASS 25

Keys. Master Lock Company. 292,893, renewed Mar. 29, 1952. O. G. Feb. 12.
Padlocks. Master Lock Company. 291,756, renewed Feb. 23, 1952. O. G. Feb. 12.

CLASS 26

Automobile testing appliances. Weaver Manufacturing Company. 293,596, May 3, 1932. Republished Feb. 12.
Electrical apparatus computer. S. Heller. 554,840, Feb. 12; Serial No. 594,641.
Photographic lenses. C. P. Goerz. 554,814, Feb. 12; Serial No. 613,566, published Oct. 23, 1951.
Thermostatically controlled gas valves. Grayson Heat Control, Inc. 289,029, renewed Nov. 17, 1951. O. G. Feb. 12.

CLASS 27

Watch main springs. B. Jadow, Inc. 554,692, Feb. 12; Serial No. 595,322, published Oct. 30, 1951.
Watch movements, watches, clocks, and watch dials. S. A. Enicar. 554,597, Feb. 12; Serial No. 582,381, published Oct. 30, 1951.
Watches. Towne Watch Co. 554,752, Feb. 12; Serial No. 609,575, published Oct. 30, 1951.
Watches and parts of watches. S. A. Eterna. 554,609, Feb. 12; Serial No. 585,043, published Oct. 30, 1951.
Watches, Gold, silver, and platinum, watch parts, and watch movements. Savoy Watch Co. Inc. 554,742, Feb. 12; Serial No. 608,678, published Oct. 30, 1951.
Watches, watch movements, watch cases, and parts thereof. Engelton Watch Company, Inc. 554,650, Feb. 12; Serial No. 599,319, published Oct. 30, 1951.
Watches, Wrist. The International Imex Company, Inc. 554,741, Feb. 12; Serial No. 608,659, published Oct. 30, 1951.

CLASS 28

Flatware, hollow-ware, and toilet-ware, Sterling silver and silver-plated. International Silver Company. 290,529, renewed Jan. 5, 1952. O. G. Feb. 12.
Rings, Diamond finger. Jenkins & Sons, Inc. 521,033, Feb. 14, 1950. Canceled Jan. 8, 1952. O. G. Feb. 12.

CLASS 29

Brushes, Painters'. Pittsburgh Plate Glass Company. 288,457, renewed Oct. 27, 1951. O. G. Feb. 12.

CLASS 30

Jars, Cookie, grease jars, pitchers, etc. Harper J. Ransburg Co., Inc. 554,724, Feb. 12; Serial No. 607,192, published Oct. 30, 1951.

CLASS 31

Oil purifying and reclaiming apparatus for reclaiming, purifying, and filtering oils, etc. S. F. Bowser & Company, Inc. 290,571, renewed Jan. 12, 1952. O. G. Feb. 12.

CLASS 32

Bassinets. Rose-Derry Company. 554,855, Feb. 12; Serial No. 605,918.
Cabinets. Pilot Radio & Tube Corporation. 289,520, renewed Dec. 1, 1951. O. G. Feb. 12.
Cedar chests. The Lane Company, Inc. 554,832, Feb. 12; Serial No. 567,198.
Chairs. Tell City Chair Company. 288,821, renewed Nov. 3, 1951. O. G. Feb. 12.
Mattresses, bed springs, box springs, etc. Cooper Mattress Manufacturing Company. 554,843, Feb. 12; Serial No. 596,216.
Mirrors, Glass. The Nurre Companies, Inc. 554,835, Feb. 12; Serial No. 575,595.
Pillows. Columbia Feather Company. 266,392, renewed Jan. 28, 1950. O. G. Feb. 12.
Tables, Living room. Warsaw Furniture Manufacturing Corp. 554,844, Feb. 12; Serial No. 596,888.

CLASS 33

Glass, Beads of transparent. Glowsand Company. 554,701, Feb. 12; Serial No. 596,572, published Oct. 30, 1951.
Glass, Sheet. Pittsburgh Plate Glass Company. 554,669, Feb. 12; Serial No. 602,911, published Oct. 30, 1951.

CLASS 34

Electrically operated evaporative type cooler. N. R. Feldman. 554,665, Feb. 12; Serial No. 602,610, published Nov. 6, 1951.
Furnaces, boilers, and gas burners. Wholesale Equipment Corporation. 554,606, Feb. 12; Serial No. 584,517, published Apr. 10, 1951.

Gas and air conditioning apparatus. Aktiebolaget Svenska Fläktfabriken. 554,587, Feb. 12; Serial No. 579,911, published Nov. 20, 1951.
Gas or liquid-fired space heating equipment. Stewart-Warner Corporation. 554,807, Feb. 12; Serial No. 612,278, published Nov. 20, 1951.
Heat exchangers, Surface type, direct contact heat exchangers, deaerating heaters, etc. Allis-Chalmers Manufacturing Company. 554,815, Feb. 12; Serial No. 613,892, published Oct. 30, 1951.
Heaters, Gas and electric space, gas and electric ranges, etc. Western Stove Co. Inc. 397,165, Aug. 25, 1942. Amended. O. G. Feb. 12.
Heaters, Pocket. David T. Abercrombie Company. 554,628, Feb. 12; Serial No. 590,569, published Oct. 30, 1951.
Illumination equipment. Holophane Company, Inc. 554,710, Feb. 12; Serial No. 606,297, published Nov. 20, 1951.
Incinerators. R. E. Moulton. 554,735, Feb. 12; Serial No. 608,012, published Nov. 6, 1951.
Machines and machinery for heating and cooling beverages, etc. Barry-Wehmiller Machinery Company. 554,567, Feb. 12; Serial No. 571,315, published Nov. 20, 1951.
Steam cleaning machines. Spontane Mfg. Company. 554,680, Feb. 12; Serial No. 603,553, published Nov. 6, 1951.
Steam generators. Erie City Iron Works. 554,723, Feb. 12; Serial No. 607,074, published Nov. 20, 1951.
Packaged members made from sheet metal for ventilating, heating, and air conditioning systems. Swett Bros. Heating and Appliance Company. 554,607, Feb. 12; Serial No. 584,704, published Nov. 6, 1951.
Ventilators, Louver type. Home Comfort Mfg. Co. 554,667, Feb. 12; Serial No. 602,841, published Nov. 20, 1951.

CLASS 35

Flexible hose assemblies comprising, hose and flexible pipe. Avica Corporation. 554,801, Feb. 12; Serial No. 611,752, published Nov. 27, 1951.
Hose. Aeroquip Corporation. 554,695, Feb. 12; Serial No. 595,695, published Nov. 20, 1951.
Tire patches, Rayon. The Firestone Tire & Rubber Company. 554,648, Feb. 12; Serial No. 598,581, published Nov. 20, 1951.

CLASS 36

Phonograph records, Grooved. Rex Record Corporation. 554,854, Feb. 12; Serial No. 605,610.
Phonographs. Pilot Radio & Tube Corporation. 289,776, renewed Dec. 8, 1951. O. G. Feb. 12.
Pianos. Sohmer & Company. 85,691, re-renewed Mar. 5, 1952. O. G. Feb. 12.
Pianos. The Starr Piano Company. 83,371, Sept. 5, 1911. Republished Feb. 12.

CLASS 37

Paper, Writing and typewriting. Majestic Paper Corporation. 377,295, Apr. 30, 1940. Republished Feb. 12.
Paper, Writing and typewriting. Majestic Paper Corporation. 381,571, Oct. 1, 1940. Republished Feb. 12.
Paper, Writing and typewriting. Majestic Paper Corporation. 381,782, Oct. 8, 1940. Republished Feb. 12.
Stationery. Kalamazoo Vegetable Parchment Company. 291,303–4, renewed Feb. 9, 1952. O. G. Feb. 12.

CLASS 38

Booklets. Don Baxter, Inc. 500,037, Apr. 6, 1948. Canceled Dec. 6, 1951. O. G. Feb. 12.
Calendar, Feminine hygiene. C-P Enterprises. 554,640, Feb. 12; Serial No. 594,196, published Nov. 13, 1951.
Column in a newspaper. The Washington Post Company. 554,779, Feb. 12; Serial No. 610,811, published Nov. 20, 1951.
Comic strips. Terrytoons, Inc. 554,791, Feb. 12; Serial No. 611,201, published Nov. 20, 1951.
Department, section or feature in a magazine. McCall Corporation. 554,679, Feb. 12; Serial No. 603,487, published Nov. 20, 1951.
Display cards, Lettered advertising. United Sound and Signal Co., Inc. 554,703, Feb. 12; Serial No. 597,243, published Nov. 13, 1951.
Feature in a periodical. United Feature Syndicate, Inc. 554,777, Feb. 12; Serial No. 610,723, published Nov. 13, 1951.
Greeting cards. National Detroit Publishers Incorporated. 554,800, Feb. 12; Serial No. 611,653, published Nov. 20, 1951.
Greeting cards. Norcross, Inc. 554,660, Feb. 12; Serial No. 601,553, published Nov. 20, 1951.
Greeting cards, printed greeting folders, etc. Norcross, Inc. 554,794, Feb. 12; Serial No. 611,296, published Nov. 20, 1951.
Journals and circulars, Trade. Automotive Advertisers Council. 554,825, Feb. 12; Serial No. 608,487, published Nov. 13, 1951.
Labels, Printed woven. Waldoroth Label Corporation. 554,687, Feb. 12; Serial No. 604,876, published Nov. 20, 1951.
Leaflets, Illustrated. Rockford Screw Products Co. 554,675, Feb. 12; Serial No. 603,381, published Nov. 20, 1951.
Magazine. Compressed Air Magazine Company. 554,689, Feb. 12; Serial No. 605,285, published Nov. 20, 1951.
Magazine. The Parents' Institute, Inc. 554,767, Feb. 12; Serial No. 610,138, published Nov. 13, 1951.
Magazines. Fox-Shulman, Inc. 554,795, Feb. 12; Serial No. 611,516, published Nov. 20, 1951.
Newspaper. Wakefield Item Company. 288,945, renewed Nov. 10, 1951. O. G. Feb. 12.
Newspaper cartoon strip. The Hearst Corporation. 554,725, Feb. 12; Serial No. 607,220, published Nov. 13, 1951.
Pamphlets and leaflets. Radio Manufacturers Association. 554,549, Feb. 12; Serial No. 548,759, published Sept. 26, 1950.
Pamphlets, timetables, whist scores, and printed forms and booklets. Wakefield Item Company. 289,141, renewed Nov. 17, 1951. O. G. Feb. 12.
Periodical. California Vegetable Concentrates, Inc. 554,778, Feb. 12; Serial No. 610,737, published Nov. 20, 1951.
Periodical. Slocum Publishing Company. 554,697, Feb. 12; Serial No. 595,989, published Nov. 13, 1951.
Periodical Travel Trade Publishing Corp. 554,736, Feb. 12; Serial No. 608,025, published Nov. 20, 1951.
Periodical, Weekly. Washington Publications, Inc. 554,743, Feb. 12; Serial No. 608,688, published Nov. 13, 1951.
Pictures, Wall. The Dolly Toy Company. 554,604, Feb. 12; Serial No. 583,900, published Nov. 20, 1951.
Printed posters and graphic charts. Colorado Seminary (University of Denver). 554,572, Feb. 12; Serial No. 572,087, published Oct. 30, 1951.
Printed trade cards, trading stamps and books of trading stamps. J. F. Briskey. 554,554, Feb. 12; Serial No. 556,244, published Nov. 20, 1951.
Publication. Dennison Manufacturing Company. 554,792, Feb. 12; Serial No. 611,262, published Nov. 20, 1951.
Publication. The Penton Publishing Company. 554,758, Feb. 12; Serial No. 609,758, published Oct. 30, 1951.
Publication, Monthly. The India Rubber Review Company. 554,608, Feb. 12; Serial No. 584,768, published Nov. 13, 1951.
Publication, Periodic. National Industrial Conference Board, Inc. 554,722, Feb. 12; Serial No. 607,036, published Nov. 13, 1951.
Publication, Periodical. The Grand Chapter of Phi Sigma Kappa. 554,755, Feb. 12; Serial No. 609,645, published Nov. 13, 1951.
Publication, Printed. The Pantasote Company. 554,749, Feb. 12; Serial No. 609,416, published Nov. 13, 1951.
Publications. W. D. McAdams. 353,244, Dec. 28, 1937. Republished Feb. 12.
Reproductions of pictures, etc., Laminated color. H. F. Kraus. 554,691, Feb. 12; Serial No. 595,217, published Nov. 13, 1951.
Sets of cards. Visual Education Association, Inc. 554,769, Feb. 12; Serial No. 610,303, published Nov. 13, 1951.

CLASS 39

Blouses, dresses, jumpers, etc., Girls' and misses'. S. Mason. 527,040, June 27, 1950. Canceled Jan. 5, 1952. O. G. Feb. 12.
Gloves, Work. M. S. Baus. 373,054, Nov. 21, 1939. Canceled Jan. 5, 1952. O. G. Feb. 12.
Hosiery. J. W. Landenberger & Co. 554,644, Feb. 12; Serial No. 594,795, published Oct. 30, 1951.
Hosiery. Mido Hosiery Mills, Inc. 554,671, Feb. 12; Serial No. 603,073, published Oct. 30, 1951.
Hosiery, Women's. Phoenix Hosiery Company. 554,747–8, Feb. 12; Serial Nos. 609,047–8, published Nov. 6 1951.
Hosiery, Women's. Sanson Hosiery Mills, Inc. 554,700, Feb. 12; Serial No. 596,242, published Nov. 13, 1951.
Housecoats, dresses, skirts, etc., Women's and misses'. Linder Sportwear, Inc. 554,522, Feb. 12; Serial No. 491,921, published Feb. 27, 1951.
Outer wear, Knitted. Tricosa. 554,625, Feb. 12; Serial No. 589,051, published Nov. 6, 1951.
Rainwear, Men's. Plymouth Manufacturing Company. 554,632, Feb. 12; Serial No. 592,434, published Oct. 23, 1951.
Shirts, Knitted jersey. F. R. Tripler & Co. Inc. 291,635, renewed Feb. 23, 1952. O. G. Feb. 12.
Shirts, Men's outer. C. F. Hathaway Co. 554,827, Feb. 12; Serial No. 533,886.
Shoes. Brown Shoe Company, Inc. 292,684, renewed Mar. 22, 1952. O. G. Feb. 12.
Socks. Wilmington Hosiery Mills, Inc. 554,751, Feb. 12; Serial No. 609,459, published Oct. 30, 1951.
Stockings, Women's and girls'. Maling Brothers, Inc. 554,831, Feb. 12; Serial No. 562,562.
Suits and sport coats, Men's. Norton Bros. & Morris, Inc. 554,833, Feb. 12; Serial No. 568,395.
Suits, Children's snow. J. N. Beenstock. 524,203, Apr. 18, 1950. Canceled Jan. 5, 1952. O. G. Feb. 12.
Trousers, slacks, etc., Men's and boys'. Jaco Pants, Inc. 554,847, Feb. 12; Serial No. 600,892.
Vests, bloomers, pajamas, etc., Children's. Laros Textiles Company. 554,670, Feb. 12; Serial No. 602,961, published Nov. 6, 1951.

CLASS 40

Barrettes. Diadem, Inc. 554,613, Feb. 12; Serial No. 586,402, published Oct. 2, 1951.

Buttons in bulk and on cards. Hy-Lite Plastic Co. 554,578, Feb. 12; Serial No. 575,705, published Sept. 25, 1951.
Decorative patch. J. D. Sullivan. 554,733, Feb. 12; Serial No. 607,874, published Oct. 2, 1951.
Embroidery patterns. The New York Pattern Company. 554,708, Feb. 12; Serial No. 606,043, published Oct. 9, 1951.
Lapel vases. Syndicate Sales Company. 554,610, Feb. 12; Serial No. 585,086, published Nov. 20, 1951.
Seambinding and biasbinding. Sheltex Manufacturing Co., Inc. 554,574, Feb. 12; Serial No. 573,903, published Oct. 30, 1951.
Venetian blind supporting tape. H. J. Mackin. 554,565, Feb. 12; Serial No. 570,566, published Nov. 13, 1951.

CLASS 41

Umbrella frames. The Finkel Umbrella Frame Company, Inc. 554,677, Feb. 12; Serial No. 603,442, published Sept. 25, 1951.
Umbrellas. Comfort Equipment Company. 554,772, Feb. 12; Serial No. 610,413, published Nov. 13, 1951.

CLASS 42

Bunting. Annin & Co. 86,118, re-renewed Apr. 16, 1952. O. G. Feb. 12.
Fabrics. Traford Fabrics, Inc. 554,845, Feb. 12; Serial No. 599,994.
Fabrics in the piece, Pile. J. B. Martin Company. 290,577, renewed Jan. 12, 1952. O. G. Feb. 12.
Piece goods. Herbert Manufacturing Co., Inc. 554,661, Feb. 12; Serial No. 601,908, published Nov. 13, 1951.
Piece goods, Bleached and unbleached. The Lamport Mfg. Supply Co., Inc. 292,326, renewed Mar. 15, 1952. O. G. Feb. 12.
Piece goods, Cotton. Carnac Cottons, Inc. 290,681–2, renewed Jan. 12, 1952. O. G. Feb. 12.
Piece goods, Woolen and worsted. J. & J. Gromble, Limited. 543,408, June 5, 1951. Canceled Dec. 6, 1951. O. G. Feb. 12.
Worsted suitings. John Taylors, Limited. 554,690, Feb. 12; Serial No. 605,537, published July 3, 1951.

CLASS 43

Yarns, Cotton, and sewing cotton. The Lancashire Cotton Corporation Limited. 290,950, renewed Jan. 19, 1952. O. G. Feb. 12.

CLASS 44

Container dispenser for intravenous solutions, equipment for conducting fluids to or from a container and a patient, etc. Don Baxter, Inc. 437,839, Mar. 30, 1948. Canceled Dec. 6, 1951. O. G. Feb. 12.
Glass bottles, for shipping and dispensing parenteral solutions. Cutter Laboratories. 554,598, Feb. 12; Serial No. 582,390, published Oct. 30, 1951.
Gloves of rubber, sanitary and surgical goods of rubber. Pirelli Societa Per Azioni. 554,570, Feb. 12; Serial No. 571,685, published Oct. 30, 1951.
Sanitary pads. Diana Manufacturing Company. 292,008, renewed Mar. 1, 1952. O. G. Feb. 12.
Surgeon's gloves, hypodermic syringe boxes, hypodermic needle boxes, etc. Roane-Barker, Inc. 554,585, Feb. 12; Serial No. 578,102, published Oct. 30, 1951.
Syringes and vaccinating instruments. Randall Faichney Corporation. 554,649, Feb. 12; Serial No. 598,812, published Oct. 30.
Toothpicks. The Diamond Match Company. 554,620, Feb. 12; Serial No. 588,278, published Oct. 30, 1951.
Vibrators for applying light, heat and vibratory massage to the skin and body of the patient, Manual. Marty Associates. 554,539, Feb. 12; Serial No. 543,202, published Nov. 6, 1951.

CLASS 46

Apples, Fresh. F. G. Crane, Jr. 554,846, Feb. 12; Serial No. 600,468.
Bread. Interstate Bakeries Corporation. 554,525, Feb. 12; Serial No. 510,691, published Mar. 13, 1951.
Candies. Bard & Margolies, Inc. 554,664, Feb. 12; Serial No. 602,485, published Nov. 6, 1951.
Candies. M. Graf. 554,839, Feb. 12; Serial No. 587,106.
Candy. M. J. Holloway & Co. 554,803, Feb. 12; Serial No. 611,785, published Nov. 27, 1951.
Candy. M. J. Holloway & Co. 554,804–05, Feb. 12; Serial Nos. 611,787–8, published Nov. 27, 1951.
Candy. New England Confectionery Company. 289,205, renewed Nov. 24, 1951. O. G. Feb. 12.
Candy. New England Confectionery Company. 289,782, renewed Dec. 8, 1951. O. G. Feb. 12.
Candy. Sweets Company of America, Inc. 292,927, renewed Mar. 29, 1952. O. G. Feb. 12.
Candy and confections of all kinds, chocolate, and cocoa. Huyler's. 37,504, re-renewed Dec. 24, 1951. O. G. Feb. 12.
Candy bars. Sisco-Hamilton Co. 554,635, Feb. 12; Serial No. 593,296, published Oct. 30, 1951.
Candy, bread, canned fruits and vegetables, etc. J. Comas. 366,013, Mar. 28, 1939. Canceled Jan. 5, 1952. O. G. Feb. 12.
Candy, Nut. A. Sahadi and Co., Inc. 554,842, Feb. 12; Serial No. 595,282.
Canned dog food. Markets, Inc. 554,860, Feb. 12; Serial No. 617,350.
Canned fish. Hudson Food Products Company, Inc. 554,550, Feb. 12; Serial No. 548,965, published Oct. 30, 1951.
Canned fish, and canned mushrooms. Chr. Bjelland & Co. Inc. 554,559, Feb. 12; Serial No. 567,179, published Apr. 17, 1951.
Canned fruit, canned vegetables, catsup, etc. California Canning Peach Growers. 292,419, renewed Mar. 15, 1952. O. G. Feb. 12.
Canned fruits and vegetables. J. R. Simplot Company. 554,662, Feb. 12; Serial No. 602,003, published Nov. 20, 1951.
Canned fruits, canned vegetables, dried fruits, etc. Tiedemann & McMorran. 292,416, renewed Mar. 15, 1952. O. G. Feb. 12.
Canned salmon. Washington Fish & Oyster Co., Inc. 554,551, Feb. 12; Serial No. 552,823, published Nov. 6, 1951.
Canned sweet corn, succotash and lima beans. The Buckeystown Canning Company. 554,580, Feb. 12; Serial No. 576,846, published Nov. 21, 1950.
Canned tuna, crabmeat, shrimp, etc. Bien Trading Company, Inc. 554,798, Feb. 12; Serial No. 611,596, published Nov. 6, 1951.
Canned vegetables. Thomas Roberts & Co. 554,540, Feb. 12; Serial No. 543,750, published July 25, 1950.
Canned vegetables and canned tomato paste. L. Zerillo. 554,676, Feb. 12; Serial No. 603,425, published Oct. 30, 1951.
Chewing gum. American Chicle Company. 554,571, Feb. 12; Serial No. 572,010, published Oct. 30, 1951.
Chewing gum. New England Confectionery Company. 290,374, renewed Jan. 5, 1952. O. G. Feb. 12.
Chick starter, growing mash, and chick feed. The Great Atlantic and Pacific Tea Company. 293,145, renewed Apr. 12, 1952. O. G. Feb. 12.
Cocoa and coffee. Arnat Packing Co. 554,594, Feb. 12; Serial No. 581,546, published Oct. 9, 1951.
Cocoa powder. Blooker's Cacao-en Chocolade-Fabrieken N. V. 554,802, Feb. 12; Serial No. 611,753, published Nov. 27, 1951.
Coffee. His Majesty's Coffee Corporation. 554,593, Feb. 12; Serial No. 581,478, published Oct. 16, 1951.
Confections, Frozen. Vogt Processes, Incorporated. 335,298, June 2, 1936. Canceled Jan. 5, 1952. O. G. Feb. 12.
Cookies. Snookies Inc. 554,683, Feb. 12; Serial No. 604,040, published Oct. 23, 1951.
Crackers. Sunshine Biscuits, Inc. 554,826, Feb. 12; Serial No. 527,033.
Dairy products, frozen berries, frozen fruit salads, etc. J. S. Johnson. 554,693, Feb. 12; Serial No. 595,380, published Nov. 6, 1951.
Dates, Fresh, brandied dates, date butter, etc. Garden of the Setting Sun, Inc. 518,629, Dec. 13, 1949. Amended. O. G. Feb. 12.
Dessert powders. Ready-Jell Mfg. Co., Inc. 554,543, Feb. 12; Serial No. 545,770, published Nov. 6, 1951.
D'etic line of canned fruits. Flotill Products, Incorporated. 554,848, Feb. 12; Serial No. 601,321.
Doughnuts. Joe Lowe Corporation. 265,177, Dec. 17, 1929. Canceled Dec. 7, 1951. O. G. Feb. 12.
Feed, Poultry. The Quaker Oats Company. 554,623, Feb. 12; Serial No. 588,809, published Nov. 20, 1951.
Feed, Poultry and stock. Collin County Mill & Elevator Co. 289,229, Nov. 24, 1931. New certificate. O. G. Feb. 12.
Feed, Scratch, and mash. The Great Atlantic and Pacific Tea Company. 293,144, renewed Apr. 12, 1952. O. G. Feb. 12.
Feed, Scratch, egg mash, chick starter, etc. The Great Atlantic and Pacific Tea Company. 293,136, renewed Apr. 12, 1952. O. G. Feb. 12.
Flavoring extracts, buckwheat, rye, wheat and graham flour, farina, etc. F. B. Chamberlain Company. 84,081, re-renewed Nov. 7, 1951. O. G. Feb. 12.
Food products. Stein, Hall & Company, Inc. 554,576, Feb. 12; Serial No. 575,100, published Nov. 6, 1951.
Fruits, Fresh. Di Giorgio Fruit Corporation. 554,616, Feb. 12; Serial No. 586,730, published Oct. 30, 1951.
Fruits, Fresh citrus. L. Maxcy, Inc. 291,599, renewed Feb. 23, 1952. O. G. Feb. 12.
Fruits, Fresh citrus. Monte Vista Citrus Association. 554,536, Feb. 12; Serial No. 538,155, published Nov. 6, 1951.
Fruits, Fresh citrus. Ojai Orange Association. 554,828, Feb. 12; Serial No. 542,643.
Fruits, Fresh citrus. Sierra Madre-Lamanda Citrus Association. 554,806, Feb. 12; Serial No. 612,184, published Nov. 13, 1951.
Fruits, Fresh citrus, fresh deciduous fruits, fresh vegetables. Simons, Shuttleworth & French Company. 277,873, Dec. 2, 1930. Republished Feb. 12.
Fruits, Fresh deciduous. Simons & French Company, Incorporated. 424,033, Sept. 17, 1946. Republished Feb. 12.

Fruits, Fresh deciduous. Simons & French Company, Incorporated. 427,271, Feb. 4, 1947. Republished Feb. 12.
Fruits, Fresh deciduous. Simons, Shuttleworth & French Company, Inc. 263,569, Nov. 5, 1929. Republished Feb. 12.
Fruits, Fresh deciduous. H. H. Titcomb. 392,991, Jan. 20, 1942. Republished Feb. 12.
Fruits, Fresh deciduous, and fresh vegetables. Cochran Co., Inc. 554,553, Feb. 12; Serial No. 554,947, published Nov. 6, 1951.
Ham and bacon. R. H. Hathaway. 554,630, Feb. 12; Serial No. 591,680, published Nov. 6, 1951.
Jams, marmalades, preserves. St. Martin Preserving Company Limited. 288,356, renewed Oct. 27, 1951. O. G. Feb. 12.
Lettuce, Fresh. Salinas Valley Vegetable Exchange. 554,775, Feb. 12; Serial No. 610,501, published Oct. 23, 1951.
Macaroni. Paramount Macaroni Manufacturing Co., Inc. 554,783, Feb. 12; Serial No. 610,920, published Oct. 30, 1951.
Marshmallow candy substitutes. Charles Killgore Company, Inc. 554,785, Feb. 12; Serial No. 610,980, published Nov. 6, 1951.
Milk, Powdered whole. Swift & Company. 554,739, Feb. 12; Serial No. 608,228, published Oct. 30, 1951.
Olives. The South Shore Packing Corporation. 554,737, Feb. 12; Serial No. 608,191, published Nov. 13, 1951.
Oranges, lemons, grape-fruit, etc. Bradentown Citrus Growers Association. 83,982, re-renewed Oct. 31, 1951. O. G. Feb. 12.
Oysters, Fresh, and fresh clams. H. Mey. 345,233, Apr. 20, 1937. Canceled Nov. 23, 1951. O. G. Feb. 12.
Paprika. A. A. Sayia & Co. 554,656, Feb. 12; Serial No. 600,242, published Nov. 20, 1951.
Peanut butter. Stevens Industries, Inc. 554,852, Feb. 12; Serial No. 603,503.
Peanuts, Salted, peanut butter sandwiches, cakes, etc. Lance, Inc. 554,573, Feb. 12; Serial No. 573,131, published Oct. 9, 1951.
Pepper sauce. McIlhenny Company. 288,762, renewed Nov. 3, 1951. O. G. Feb. 12.
Popcorn, Rsw. Central Popcorn Company. 554,629, Feb. 12; Serial No. 591,457, published Nov. 6, 1951.
Rice. Frugone & Preve. 279,235, renewed Jan. 13, 1951. O. G. Feb. 12.
Rice, Packaged milled. Edmundson-Duhe Rice Mill Co., Inc. 554,528, Feb. 12; Serial No. 518,211, published Aug. 1, 1950.
Salad dressing. Nautilus Food Products Corp. 554,696, Feb. 12; Serial No. 595,849, published Nov. 6, 1951.
Shrimp, Fried. Ever Tempting Food Products Corp. 554,633, Feb. 12; Serial No. 592,888, published Nov. 20, 1951.
Stock feed flavors. Flavor Corporation of America. 554,727, Feb. 12; Serial No. 607,379, published Oct. 30, 1951.
Syrups, Prepared chocolate, chocolate ice cream coating, etc. Siren Mills Corporation. 288,763, renewed Nov. 3, 1951. O. G. Feb. 12.
Vegetables, Fresh. J. Morris, Jr. 261,487, Sept. 17, 1929. Republished Feb. 12.
Vegetables, Fresh. Pacific Gamble Robinson Company. 554,851, Feb. 12; Serial No. 602,566.
Vegetables, Fresh, fresh deciduous fruits. Simons & French Company, Incorporated. 328,120, Sept. 17, 1935. Republished Feb. 12.
Vegetables, Fresh, fresh deciduous fruits, fresh citrus fruits. Simons & French Company, Incorporated. 289,071, Nov. 17, 1931. Republished Feb. 12.

CLASS 48

Beverages, Cereal malt. Aktieselskabet de Forenede Bryggerier. 283,927, renewed June 9, 1951. O. G. Feb. 12.

CLASS 50

Carpet cushions, Hair. American Hair & Felt Company. 554,577, Feb. 12; Serial No. 575,319, published Oct. 30, 1951.
Felt and felting. American Felt Company. 554,729, Feb. 12; Serial No. 607,734, published Oct. 30, 1951.
Hangers, Trouser. Perry Metal Products Co. Inc. 554,653, Feb. 12; Serial No. 599,449, published Oct. 30, 1951.
Ladders. The Ballymore Company. 554,712, Feb. 12; Serial No. 606,504, published Oct. 30, 1951.
Mats. Manifold Supplies Company. 554,590, Feb. 12; Serial No. 581,073, published Oct. 30, 1951.
Pallet and skid platforms. Williford Manufacturing Company. 554,731–2, Feb. 12; Serial Nos. 607,784–5, published Oct. 30, 1951.
Poultry feeding batteries, poultry wire coops, and poultry water fountains. Barker Poultry Equipment Co. 554,631, Feb. 12; Serial No. 592,298, published Oct. 30, 1951.
Synthetic copolymer sheet material. Apex Tire & Rubber Co. 554,611, Feb. 12; Serial No. 585,737, published Oct. 30, 1951.
Traps. Animal Trap Company of America. 554,714, Feb. 12; Serial No. 606,646, published Oct. 30, 1951.

CLASS 51

Cleansing cream, cold cream, lipstick, etc. F. J. Trump. 554,523, Feb. 12; Serial No. 505,085, published July 4, 1950.
Cologne, perfume, dusting talcum, etc. J. B. Nethercutt. 554,637, Feb. 12; Serial No. 593,607, published Oct. 30, 1951.
Dental cream, mouth wash, laxative tablets, etc. Clover Farm Stores Corporation. 554,561, Feb. 12; Serial No. 568,350, published Oct. 23, 1951.
Depilatory. Carter Products, Inc. 547,794, Sept. 11, 1951. Canceled Jan. 11, 1952. O. G. Feb. 12.
Hair dressing. W. L. Clark. 554,591, Feb. 12; Serial No. 581,323, published Oct. 30, 1951.
Liquid or a cream to be used as a protective covering over lip makeup. Renoir Parfums, Ltd. 554,583, Feb. 12; Serial No. 577,734, published Aug. 8, 1950.
Lotion. Pacquin-Lester Company. 554,641, Feb. 12; Serial No. 594,487, published Oct. 30, 1951.
Lotion and neutralizer, Hair waving. Elizabeth Arden Sales Corporation. 554,639, Feb. 12; Serial No. 593,852, published Oct. 30, 1951.
Perfume. M. Gorman. 554,634, Feb. 12; Serial No. 593,114, published Oct. 30, 1951.
Perfume, perfume extracts, toilet water, etc. Roger & Gallet. 554,770, Feb. 12; Serial No. 610,341, published Oct. 30, 1951.
Perfume, toilet water, face powder, etc. J. T. Ferguson. 554,694, Feb. 12; Serial No. 595,598, published Oct. 30, 1951.
Petroleum products or preparations. McKesson & Robbins, Incorporated. 290,209, renewed Dec. 22, 1951. O. G. Feb. 12.
Shaving cream and dispenser sold as a unit. Campbell Products Co. 554,850, Feb. 12; Serial No. 602,305.
Soap, Shaving. Cussons, Sons & Company, Limited. 291,220, renewed Feb. 2, 1952. O. G. Feb. 12.
Tissue cream. Marinello Company. 290,022, renewed Dec. 22, 1951. O. G. Feb. 12.

CLASS 52

Cleaning preparations. N. J. Mortimer. 554,621, Feb. 12; Serial No. 588,504, published Nov. 20, 1951.
Shampoo, Hair. Gaylord Products, Incorporated. 554,601–02, Feb. 12; Serial Nos. 583,391–2, published Nov. 20, 1951.
Softening agents, Water. The Martin-Dennis Company. 410,354, Nov. 21, 1944. Republished Feb. 12.

CLASS 101

Advertising services. John T. Graff Company, Inc. 554,820, Feb. 12; Serial No. 557,922, published Nov. 6, 1951.

CLASS 102

Distribution of hospital care on a pre-payment financing basis. American Hospital Association. 554,817, Feb. 12; Serial No. 531,753, published Feb. 21, 1950.
Distribution of hospital care on a pre-payment financing basis. American Hospital Association. 554,818, Feb. 12; Serial No. 535,447, published Feb. 21, 1950.

CLASS 103

Reconditioning and repairing athletic equipment and uniforms. L. B. Holt. 554,822, Feb. 12; Serial No. 600,676, published Nov. 20, 1951.

CLASS 106

Dyeing of rayon, silks and acetates. Putnam Finishing Company. 554,861, Feb. 12; Serial No. 536,447.
Enameling of the goods of others. Production Enameling Co. 554,821, Feb. 12; Serial No. 582,799, published Nov. 20, 1951.
Laminating paper products. G. L. Lewis. 554,819, Feb. 12; Serial No. 557,668, published Nov. 20, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF FEBRUARY, 1952

NOTE.—**Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).**

Berg, Nels O.: *See*—
Budnick, Abraham M., and Berg.

Budnick, Abraham M., and N. O. Berg, Seattle, Wash. Caster. Re. 23,459, Feb. 12.

Centre National de la Recherche Scientifique, assignee: *See*—
Felici, Noël.

Felici, Noël, Grenoble, assignor to Centre National de la Recherche Scientifique, Paris, France. Electrostatic machine. Re. 23,460, Feb. 12.

Grant Pulley & Hardware Co., assignee: *See*—
Gussack, Nathan A.

Gussack, Nathan A., New York, assignor to Grant Pulley & Hardware Co., Flushing, N. Y. Guide for drawers or shelves. Re. 23,461, Feb. 12.

Klaner, Joe F., Jr., assignee: *See*—
Rosencranse, Charles R.

Rosencranse, Charles R., assignor of fifty per cent to J. F. Klaner, Jr., Pittsburg, Kans. Asphalt emulsion for treatment of coal and preparing the same. Re. 23,462, Feb. 12.

LIST OF PLANT PATENTEES

Ahrens, Melvin O., Crystal Lake, Ill. Gardenia plant. 1,072, Feb. 12.

Corliss Bros., Inc., assignee: *See*—
Corliss, Clifford D.

Corliss, Clifford D., assignor to Corliss Bros., Inc., Gloucester, Mass. Euonymus fortunei plant. 1,073, Feb. 12.

Domoto, Toichi, Hayward, Calif. Camellia plant. 1,074, Feb. 12.

LIST OF DESIGN PATENTEES

Achard, Roger, assignor to Les Heritiers de Marie Brizard & Roger, Achard, Glotin & Cie, Bordeaux, France. Bottle. 165,893, Feb. 12.

Adler, Morton S., Des Moines, Iowa. Knife holder. 165,894, Feb. 12.

American Mat Corporation, assignee: *See*—
Moor, Dudley W., Jr.

Anderson, W. E., Inc., assignee: *See*—
Webster, Raymond C.

Angeli, Amerigo, Milwaukee, Wis. Pad holder. 165,895, Feb. 12.

Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Expansible chain for a bracelet or similar article. 165,896, Feb. 12.

Bartner, Howard C.: *See*—
Bartner, Walter B. and H. C.

Bartner, Walter B. and H. C., Toms River, N. J. Puppet or the like. 165,897, Feb. 12.

Biehl, Frank A., Barberton, Ohio, assignor to The Diamond Match Company, New York, N. Y. Confection stick. 165,898, Feb. 12.

Bishop, Stephen H., Waban, Mass. Baby's seat. 165,899, Feb. 12.

Blauvelt, Helen S., Montclair, N. J. Combined holder and perfume bottles. 165,900, Feb. 12.

Bloom, Wallace M., South Milwaukee, and A. J. Simmons, Plymouth, assignors to McGraw Electric Company, Milwaukee, Wis. Electric conduit supporting spacer. 165,901, Feb. 12.

Brenner, Simon H., Wooster, Ohio. Man's shorts or similar article. 165,902, Feb. 12.

Bridgeport Brass Company, assignee: *See*—
Hampshire, John C.

Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Walking toy. 165,903, Feb. 12.

Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Walking toy. 165,904, Feb. 12.

Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Walking toy. 165,905, Feb. 12.

Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Walking toy. 165,906, Feb. 12.

Cebulski, Edmund S.: *See*—
Parucki, Edward, and Cebulski.

Chehak, Fred E., Cedar Rapids, Iowa. Folding chair. 165,907, Feb. 12.

Cleary, Gerard B., St. Louis, Mo. Desk penholder. 165,908, Feb. 12.

Collura, Francesco, New York, N. Y., assignor to Steam Electric Products Limited, Toronto, Ontario, Canada. Electric iron. 165,909, Feb. 12.

Crawford, Herman E., Kernersville, N. C. Lady's sock. 165,910, Feb. 12.

Daisy Manufacturing Company, assignee: *See*—
Wesley, Robert O.

Diamond Match Company, The, assignee: *See*—
Biehl, Frank A.

Dowell, Clarence A., Whittier, Calif. Music template 165,911, Feb. 12.

Eastern Venetian Blind Company, The, assignee: *See*—
Rosenbaum, Harry S.

Ekco Products Company, assignee: *See*—
Wagner, Franz.

Farm-Rite Implement Company, assignee: *See*—
Stumpenhorst, Erich J.

Feintuch, Max: *See*—
Jay, Benjamin F., and Feintuch.

General Electric Company, assignee: *See*—
McFarland, Donald L., and Voight.

Glasband, Isadore, Hartford, Conn. Safety pin. 165,912, Feb. 12.

Goodman, Joseph, New York, N. Y. Coin holder. 165,913, Feb. 12.

Grossman Music Corporation, assignee: *See*—
Thompson, Josephus.

Grundy, Lester, Glen Rock, N. J., assignor to Molla Incorporated, Westbury, N. Y. Armchair frame. 165,914, Feb. 12.

Grundy, Lester, Glen Rock, N. J., assignor to Molla Incorporated, Westbury, N. Y. Two seater couch frame. 165,915, Feb. 12.

Hampshire, John C., New Haven, assignor to Bridgeport Brass Company, Bridgeport, Conn. Cooking utensil cover. 165,916, Feb. 12.

Hampshire, John C., New Haven, assignor to Bridgeport Brass Company, Bridgeport, Conn. Cooking utensil. 165,917, Feb. 12.

Hobbs, Arthur G., Baltimore, Md., assignor of one-tenth to M. S. White. Game board. 165,918, Feb. 12.

Hoff, Harry J.: *See*—
Hoff, Stephen J. and H. J.

Hoff, Stephen J. and H. J., assignors to Hoffco, Inc., Richmond, Ind. Power trimmer. 165,919, Feb. 12.

Hoffco, Inc., assignee: *See*—
Hoff, Stephen J. and H. J.

Hoffman Radio Corporation, assignee: *See*—
Portanova, Joseph D.

Holt, William E., Oakland, Calif. Paint-mixing machine. 165,920, Feb. 12.

Ippolito, Domenick, Glendale, Calif. Doll cradle. 165,921, Feb. 12.

Jay, Benjamin F., and M. Feintuch, Brooklyn, assignors to Magnafax Corporation, New York, N. Y. Musical instrument. 165,922, Feb. 12.

Kather, Alfred C., Los Angeles, Calif. Drawing and writing implement holder. 165,923, Feb. 12.

Les Heritiers de Marie Brizard & Roger, Achard, Glotin & Cie, assignee: *See*—
Achard, Roger.

Magnafax Corporation, assignee: *See*—
Jay, Benjamin F., and Feintuch.
Marx, Louis, & Company, Inc., assignee: *See*—
Campbell, Laurie J.
McFarland, Donald L., Stratford, and B. R. Voight, Milford, Conn., assignors to General Electric Company. Food mixer power unit. 165,924, Feb. 12.
McGraw Electric Company, assignee: *See*—
Bloom, Wallace M., and Simmons.
McKenzie, Lawrence J., Circleville, Ohio. Combined euchre scorekeeper and ash tray or similar article. 165,925, Feb. 12.
Molla Incorporated, assignee: *See*—
Grundy, Lester.
Moor, Dudley W., Jr., assignor to American Mat Corporation, Toledo, Ohio. Floor mat. 165,926, Feb. 12.
Mora, Pierre E., assignor to Perhi, S. A., Geneva, Switzerland. Cigarette lighter. 165,927, Feb. 12.
Parucki, Edward, Lackawanna, and E. S. Cebulski, Buffalo, N. Y. Christmas tree holder. 165,928, Feb. 12.
Perhi, S. A., assignee: *See*—
Mora, Pierre E.
Peters, Leo, Evanston, Ill. Molded food product. 165,929, Feb. 12.
Peters, Leo, Evanston, Ill. Molded food product. 165,930, Feb. 12.
Peters, Leo, Evanston, Ill. Molded food product. 165,931, Feb. 12.
Peters, Leo, Evanston, Ill. Molded food product. 165,932, Feb. 12.
Peters, Leo, Evanston, Ill. Molded food product. 165,933, Feb. 12.
Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Cabinet for television receiving set. 165,934, Feb. 12.
Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Television cabinet. 165,935, Feb. 12.
Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 165,936, Feb. 12.
Rosenbaum, Harry S., assignor to The Eastern Venetian Blind Company, Baltimore, Md. Drapery traverse rod. 165,937, Feb. 12.
Schneider, John M., Miami, Fla. Stocking. 165,938, Feb. 12.
Schneider, John M., Miami, Fla. Stocking. 165,939, Feb. 12.
Simmons, Aldred J.: *See*—
Bloom, Wallace M., and Simmons.
Smille, Spencer W., Los Angeles, Calif. Bookcase. 165,940, Feb. 12.
Speidel Corporation, assignee: *See*—
Augenstein, Karl C.
Staley, Robert H., Washington, D. C. Finger ring. 165,941, Feb. 12.
Steam Electric Products Limited, assignee: *See*—
Collura, Francesco.
Stein, Fred, Long Beach, N. Y. Shoe rack. 165,942, Feb. 12.
Stow, Clarence E., Kansas City, Mo., assignor of one-half to J. J. and E. M. Waspi, Kansas City, Mo. Sun visor. 165,943, Feb. 12.
Strathaus, John, Los Angeles, Calif. Combined serving cart and table. 165,944, Feb. 12.
Stumpenhorst, Erich J., Chicago, Ill., assignor to Farm-Rite Implement Company. Semimounted corn harvester. 165,945, Feb. 12.
Thompson, Josephus, Covington, assignor to Grossman Music Corporation, Cleveland, Ohio. Toy horn. 165,946, Feb. 12.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 165,947, Feb. 12.
Tys, Ruth D., Lynwood, Calif. Waist girdle. 165,948, Feb. 12.
Uttz, William A., Fort Worth, Tex. Combination hunter's utility tool. 165,949, Feb. 12.
Voight, Bradford R.: *See*—
McFarland, Donald L., and Voight.
Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 165,950, Feb. 12.
Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 165,951, Feb. 12.
Waspi, Effie M., assignee: *See*—
Stow, Clarence E.
Waspi, Jacob J., assignee: *See*—
Stow, Clarence E.
Weatherly, Raymond C., Dallas, Tex. Waiting room seat or similar article. 165,952, Feb. 12.
Webster, Raymond C., assignor to W. E. Anderson, Inc., Kansas City, Mo. Fluid measuring meter. 165,953, Feb. 12.
Wesley, Robert O., assignor to Daisy Manufacturing Company, Plymouth, Mich. Package for a toy pistol. 165,954, Feb. 12.
White, Melvin S., assignee: *See*—
Hobbs, Arthur G.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF FEBRUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Scott M., Chicago, Ill. Combined carrying and studying case. 2,585,209, Feb. 12.
Abel, Arthur B., Fairmont, Minn. Implement frame construction. 2,585,208, Feb. 12.
Abrahamson, Charles M., Aurora, Ill., assignor to All-Steel Equipment Inc. Follower for card filing trays. 2,585,612, Feb. 12.
Achenbach, John C., Collingswood, N. J., S. I. Tourshou, Philadelphia, Pa., and D. Mackey, Haddon Heights, N. J., assignors to Radio Corporation of America. Band pass amplifier. 2,585,717, Feb. 12.
Adams, Clifford B., and F. E. Wallin, assignors to National Rejectors, Inc., St. Louis, Mo. Change maker and circuit therefor. 2,585,718, Feb. 12.
Adams, John M., Atlanta, Ga. Slitted resilient closure for containers. 2,585,527, Feb. 12.
Adams, Kenneth H.: *See*—
Doelling, George L., and Adams.
Aeppli, Albert, assignor to Maag-Zahnrader und-Maschinen Aktiengesellschaft, Zurich, Switzerland. Apparatus for testing gear teeth. 2,585,528, Feb. 12.
Aetna-Standard Engineering Company, The, assignee: *See*—
Matteson, Elwin A.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Alexander, Kliem, and Schniepp.
Altschul, Aaron M., Condon, and Lambou.
Filachione, Edward M., Fein, and Fisher.
Kaplan, Arthur M., and Solowey.
Roberts, Robert L.
Ailes, Lawrence R., Connersville, Ind. Adjustable mechanical price marker. 2,585,420, Feb. 12.
Airborne Instruments Laboratory, Incorporated, assignee: *See*—
Strum, Peter D.
Air Reduction Company, Incorporated, assignee: *See*—
Van Nuys, Claude C.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Hartmann, Hans.
Albertson, Noel F., East Greenbush, assignor to Sterling Drug Inc., New York, N. Y. Piperidine carboxylic acid esters. 2,585,210, Feb. 12.
Alexander, Kliem, and L. E. Schniepp, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Reduction of oxydivaleronitrile. 2,584,970, Feb. 12.
Alexy, Matthew R., Philadelphia, Pa., assignor to Radio Corporation of America. Miniature tube holder. 2,585,072, Feb. 12.
Alico, Inc., assignee: *See*—
Imshaug, Arnold L.
All American Airways, Inc., assignee: *See*—
Cotton, Robert B.
Allard, Roger G. J., Richmond, Vt. Retractable electric extension cord switch. 2,585,070, Feb. 12.
Allen Industries, Inc., assignee: *See*—
Gordon, Jack C.
Allen, Lawrence A., Cleveland, Ohio. Cigarette lighter. 2,585,071, Feb. 12.
Allen, Robert E., and W. F. Utzinger, assignors to The Univis Lens Company, Dayton, Ohio. Clutch and brake for grinding apparatus. 2,585,365, Feb. 12.
Allen, Victor O., Madison, assignor to Wilbur B. Driver Company, Newark, N. J. Heat-treating electrical resistance alloy. 2,585,613, Feb. 12.
Allied Chemical & Dye Corporation, assignee: *See*—
Heisler, Edward A.
Williams, Thomas B.
Allison, John L., Nutley, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Pulse time position finding system. 2,584,971, Feb. 12.
Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Lamm, Uno.
All-Steel Equipment Inc., assignee: *See*—
Abrahamson, Charles M.
Altman, Eston, Valdosta, Ga. Peach pitting machine. 2,585,073, Feb. 12.
Altschul, Aaron M., M. Z. Condon, and M. G. Lambou, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Preventing deterioration of seeds. 2,584,972, Feb. 12.
Aluminum Company of America, assignee: *See*—
Kohl, George C.
Lyle, John P., Jr.

Alvord, Grove D., Indiana, assignor to Syntron Company, Homer City, Pa. Liquid solid separator. 2,585,719, Feb. 12.
American Bitumuls & Asphalt Company, assignee: *See*—
McCoy, Paul E.
American Can Company, assignee: *See*—
Odquist, Harold T., and Macoy.
Scibelli, Frank.
American Car and Foundry Company, assignee: *See*—
Bradfield, George K., Jr.
American Cyanamid Company, assignee: *See*—
Padbury, John J., and Kropa.
American District Telegraph Company, assignee: *See*—
MacDonald, Leslie A., and Mancke.
American Envelope Company, The, assignee: *See*—
Showalter, Frank W.
American Type Founders, Inc., assignee: *See*—
Pollock, Willard M.
American Viscose Corporation, assignee: *See*—
McDermott, Henry J.
Amon, Charles M., Youngstown, Ohio. Resilient switch crank. 2,585,211, Feb. 12.
Ampro Corporation, assignee: *See*—
Barany, Edmund.
Barany, Edmund, and Sackter.
Andermatt, Carl, assignor to Luwa, S. A., Zurich, Switzerland. Cooling and sealing means for disk atomizer shafts. 2,584,973, Feb. 12.
Anderson, Harry C.: *See*—
Fowler, Robert D., Burford, and Anderson.
Anderson, Lucille M., guardian, assignee: *See*—
Anderson, Oliver W.
Anderson, Oliver W., deceased, Cedar Rapids, Iowa, by C. Hendrickson, executor, Cedar Rapids, Iowa, assignor, by decree of court, of one-third to L. M. Anderson, individually, and two-thirds to L. M. Anderson, as guardian. Punching apparatus. 2,585,720, Feb. 12.
Anderson, William R., assignee: *See*—
Knight, Clarence F.
Apex Accessories Co., Inc., assignee: *See*—
Jaccarino, Frederick, and Pinson.
Armand, Estelle T., née Dumais, Montreal, Quebec, Canada. Bookmarking device. 2,585,421, Feb. 12.
Armco Steel Corporation, assignee: *See*—
Marshall, Marcus W., and Waxweiler.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Optical glass. 2,584,974, Feb. 12.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Optical glass. 2,584,975, Feb. 12.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.
Wiegand, David E.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Ziegler, Hans K.
Arneson, Lawrence E., Morris, assignor to Morris Paper Mills, Chicago, Ill. Carton setup machine. 2,585,074, Feb. 12.
Arnold, Robert C.: *See*—
Zimmerschied, Wilford J., and Arnold.
Aronson, Theodore F.: *See*—
Halahan, John, Aronson, and Lyon.
Ashton, George, Los Angeles, Calif. Apparatus for continuous cooking. 2,585,293, Feb. 12.
Ashton, George, Los Angeles, Calif. Batch feeding apparatus. 2,585,294, Feb. 12.
Atherton, Albert H.: *See*—
Bull, Cabot S., and Atherton.
Austin, Paul R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Isopropenyl fluoride polymers. 2,585,529, Feb. 12.
Auten, Robert W., assignee: *See*—
Robinson, Margaret I., and Auten.
Avena, Samuel: *See*—
Schultz, Carl, and Avena.
Averill, Charles C., assignor to Union Steel Products Company, Albion, Mich. Collapsible basket. 2,585,422, Feb. 12.
Baak, Albert E., Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control aparatus. 2,585,295, Feb. 12.
Babcock & Wilcox Company, The, assignee: *See*—
Gay, Cecil H.
Bachand, Armand A., Worcester, Mass. Auxiliary automobile seat for children. 2,585,721, Feb. 12.

Backer, George, New York, N. Y. Woven fabric. 2,585,212, Feb. 12.

Badovinac, Peter, Cleveland, Ohio. Posture training device. 2,585,075, Feb. 12.

Bahney, Robert H.: *See*—
Janecek, Frank H., and Bahney.

Bailey, James S., and A. W. Schmidt, Chicago, Ill., assignors to The Rauland Corporation. Metal cone cathode-ray tube. 2,585,614, Feb. 12.

Bailey Meter Company, assignee: *See*—
Johnson, Clarence.

Bailey, Thomas S., Jr., assignor to Mining Process and Patent Company, Denver, Colo. Apparatus for concentrating ores and the like. 2,584,976, Feb. 12.

Baird, Jack A., Rockaway, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency divider. 2,585,722, Feb. 12.

Baisley, Raymond J.: *See*—
Bandura, James, Baisley, Pfeffer, and Keely.

Baker Castor Oil Company, The, assignee: *See*—
Smith, Malcolm K.

Baker, John S., Los Angeles, Calif. Processing machine. 2,585,213, Feb. 12.

Bakke, Hans A.: *See*—
Wrobel, Henry T., and Bakke.

Baldwin Company, The, assignee: *See*—
Wayne, William C., Jr.

Ball, Paul W., Tucumcari, N. Mex. Photograph retouching apparatus. 2,585,423, Feb. 12.

Balthrop, Edward S., Jr., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Transferring yarn and apparatus therefor. 2,585,424, Feb. 12.

Bandura, James, Astoria, R. J. Baisley, Hempstead, J. Pfeffer, New York, N. Y., and C. D. Keely, West Englewood, assignors to General Corrugated Machine Company Inc., Palisades Park, N. J. Box blank handling machine. 2,585,076, Feb. 12.

Banes, Fred W., Westfield, W. P. Fitzgerald, Elizabeth, and J. F. Nelson, Rahway, N. J., assignors to Standard Oil Development Company. Production of aliphatic acids. 2,585,723, Feb. 12.

Barany, Edmund, Chicago, and M. Sackter, Arlington Heights, assignor to Ampro Corporation, Chicago, Ill. Magnetic record body driving mechanism. 2,585,724, Feb. 12.

Barany, Edmund, assignor to Ampro Corporation, Chicago, Ill. Clutch device. 2,585,725, Feb. 12.

Barker, Clifford L., assignor to Walker, Crosweller & Company, Limited, Clyde Crescent, Cheltenham, England. Fluid mixing device. 2,585,726, Feb. 12.

Barnes, Marion D., New York, N. Y., assignor to Sparex Chemical Company. Pickling metals. 2,585,616, Feb. 12.

Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of impedance of semiconductor amplifier circuits. 2,585,077, Feb. 12.

Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative resistance device utilizing semiconductor amplifier. 2,585,078, Feb. 12.

Barrett, Harold W., Boulder, Colo., assignor to The Chemical Foundation, Incorporated. Halo-thiouracils. 2,585,615, Feb. 12.

Bartleson, John D., assignor to The Standard Oil Company, Cleveland, Ohio. Lubricating oil additives. 2,584,977, Feb. 12.

Barton, Theodore W., Rutherford, N. J. Metallic molding section. 2,585,727, Feb. 12.

Baskerville, Benjamin J., Joliet, Ill.; M. K. Baskerville, R. A. Baskerville, M. A. Baskerville, F. A. Lennon, and W. J. Baskerville, heirs of said B. J. Baskerville, deceased, assignor to F. A. Lennon, Maywood, individually and as trustee for M. A. Baskerville, Joliet, W. J. Baskerville, Manhattan, and R. A. Baskerville, Symerton, Ill. Hay baler. 2,585,425, Feb. 12.

Baskerville, Margaret K., heir: *See*—
Baskerville, Benjamin J.

Baskerville, Marie A., heir, assignee: *See*—
Baskerville, Benjamin J.

Baskerville, Raymond A., heir: *See*—
Baskerville, Benjamin J.

Baskerville, Walter J., heir, assignee: *See*—
Baskerville, Benjamin J.

Bassinger, Ross, Houston, Tex. Percussion tool. 2,584,978, Feb. 12.

Bassinger, Ross, Houston, Tex. Percussion tool. 2,584,979, Feb. 12.

Batori, Oscar E., New York, N. Y. Navigational computer of the slide rule type. 2,585,618, Feb. 12.

Battey, Alfred P., Reigate, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Intaglio printing machine. 2,585,617, Feb. 12.

Beaufoy, Raymond, assignor to British Telecommunications Research Limited, Taplow, England. Signal generator. 2,585,079, Feb. 12.

Beaulieu, Ezra J., and R. E. Thompson, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Wire stripping pliers. 2,585,080, Feb. 12.

Beatrice, Gabriel C., Shrewsbury, and K. J. Hall, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Mounting for bobbin receiver for weft replenishing looms. 2,585,426, Feb. 12.

Beck, Mae L., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparing condensation polymers of hydroxy acetic acid. 2,585,427, Feb. 12.

Becker, Maximilian C., East Orange, N. J. Buckle. 2,585,619, Feb. 12.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Shear resistant buckle assembly. 2,585,804, Feb. 12.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Nut retainer. 2,585,728, Feb. 12.

Be-Ge Manufacturing Co., assignee: *See*—
Gurries, Albert G.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Baird, Jack A.
Barney, Harold L.
Diamond, Thomas L.
Gannett, Danforth K.
Hasley, Andrew D., and Hibbard.
Hickman, Clarence N., Mallina, and Reck.
Lewis, Willard D.
Lewis, Willard D., and Mumford.
Mohr, Milton E.
Pierce, John R.
Richardson, Paul H.
Spahn, Charles F., Jr.

Belmont, Frank, Anaheim, Calif. Elastic closure fruit bag. 2,585,214, Feb. 12.

Bendix Aviation Corporation, assignee: *See*—
Briggs, Vernon R.
Dember, Alexis B.
Howe, James A., and Nevalonny.
Malorany, Robert T.
Noxon, Paul A.
Perkins, Corles M., Sr.

Bennett, David A., and R. E. Bennett, Lenox, Iowa. Cornstalk crusher. 2,585,296, Feb. 12.

Bennett, Norman, Washington, D. C. Multibumper grille. 2,585,530, Feb. 12.

Bennett, Rowland K.: *See*—
Cornell, Milton L., and Bennett.

Bennett, Roy E.: *See*—
Bennett, David A. and R. E.

Benson, Carl H., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Firing mechanism for semi-automatic firearms and safety therefor. 2,585,620, Feb. 12.

Berman, Frank, Brooklyn, N. Y. Wire mesh strainer or the like. 2,585,729, Feb. 12.

Bernfeld, Sandor, B. Bomse and S. Scharfspitz, New York, N. Y. Ball point pen ink. 2,585,531, Feb. 12.

Bernhard, Charles, assignee: *See*—
Bernhard, George.

Bernhard, George, Hewlett, assignor of one-half to C. Bernhard, Great Neck, N. Y. Combination apparatus for liquid fuel. 2,585,081, Feb. 12.

Beu, Karl E.: *See*—
Claassen, Howard H., and Beu.

Beuscher, William B., assignor to Rupert Diecasting Company, Kansas City, Mo. Aluminum die-casting machine. 2,585,297, Feb. 12.

Bickel, Clifford A., S. A. Brandenburg, and T. Foster, assignors to The Monarch Machine Tool Co., Sidney, Ohio. Power unit. 2,585,215, Feb. 12.

Bickel, Clifford A., S. A. Brandenburg, and T. Foster, assignors to The Monarch Machine Tool Co., Sidney, Ohio. Unitary mechanism for performing multiple simultaneous and successive operations. 2,585,216, Feb. 12.

Bickel, Clifford A., S. A. Brandenburg, and T. Foster, assignors to The Monarch Machine Tool Co., Sidney, Ohio. Automatic lathe. 2,585,217, Feb. 12.

Bierman, Harry C.: *See*—
Strickman, Samuel W.

Binney, Raymond: *See*—
Guboff, Edward H.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Clothesbasket. 2,585,428, Feb. 12.

Blaker, George H.: *See*—
Davis, Lewis H., and Blaker.

Blanco, Elias: *See*—
Evans, William I., and Blanco.

Bloom, Charles E., assignee: *See*—
Strickman, Samuel W.

Bobby, Frederick J.: *See*—
Rear, James C., and Bobby.

Bodnar, Camillo E., Tampa, Fla. Pendulum limb support crutch. 2,585,730, Feb. 12.

Boe, Carsten F., Wooddale, Del. Triple expansion nozzle and spraying liquids. 2,585,429, Feb. 12.

Boegehold, Alfred L., assignor to General Motors Corporation, Detroit, Mich. Making bearings. 2,585,430, Feb. 12.

Boeing Airplane Company, assignee: *See*—
Plath, Robert.

Bollaert, Armand R., Arcadia, and E. L. Neu, Manhattan Beach, Calif., assignors to Great Lakes Carbon Corporation, Chicago, Ill. Lightweight concrete mixture. 2,585,366, Feb. 12.

Bollinger, George H., Jr., Sidney, Ohio. Insulated metal panel. 2,585,082, Feb. 12.

Bolt, John A.: *See*—
Tom, Theodore B., and Bolt.

Bomse, Bernard: *See*—
Bernfeld, Sandor, Bomse, and Scharfspitz.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy railroad dump car. 2,585,731, Feb. 12.

Borden Company, The, assignee: *See*—
Sommer, Walter L., Leeder, and Collins.

Borg-Warner Corporation, assignee: *See*—
Condon, Francis H.
Harris, Cleo.

Borngraeber, Royce R., assignor to John Deere Van Brunt Company, Horicon, Wis. Gearing for grain drills. 2,585,218, Feb. 12.

Boulware, Lyle F., assignee: *See*—
Simon, Edward P.

Bouvy, Christian H., Milwaukee, assignor to Le Roi Company, West Allis, Wis. Cooling system for V-engines. 2,585,083, Feb. 12.

Boyle, Thomas E., Auckland, Auckland, New Zealand, assignor to The B. F. Goodrich Company, New York, N. Y. Antiskid composition and making same. 2,585,219, Feb. 12.

Bradfield, George K., Jr., Hackensack, N. J., assignor to American Car and Foundry Company, New York, N. Y. Window construction. 2,585,322, Feb. 12.

Braman, Forest F., Wichita, Kans. Combination automatic clutch and variable-speed transmission. 2,585,732, Feb. 12.

Brandenburg, Stanley A.: *See*—
Bickel, Clifford A., Brandenburg, and Foster.

Brandhandler, Filip, assignee: *See*—
Denzler, Berthold.

Brandon, Clarence W., Tallahassee, Fla., assignor of sixteen and two-thirds per cent to N. A. Harden, sixteen and two-thirds per cent to H. H. Wright, and sixteen and two-thirds per cent to C. H. Newton. Self-locking bolt or cap screw. 2,585,621, Feb. 12.

Breese Burners, Inc., assignee: *See*—
Breese, James L.

Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Metering valve for liquid fuel burners. 2,585,431, Feb. 12.

Brennan, Joseph B., Cleveland, Ohio. Electrode and making same. 2,584,980, Feb. 12.

Březek, Rudolf, Prague-Smichov, assignor to Tatra narodni podnik, Koprivnice, Czechoslovakia. Air inlet structure for the engine compartment of streamlined vehicles having rear engines. 2,585,220, Feb. 12.

Bridenbaugh, Paul K., and F. A. Jansen, assignors to Webster-Chicago Corporation, Chicago, Ill. Record adapter. 2,585,622, Feb. 12.

Briggs, Vernon R., Pasadena, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Frequency discriminating circuit. 2,585,532, Feb. 12.

Bright, Cooper B., United States Navy. Free piston combustion engine. 2,584,981, Feb. 12.

Briskin, Theodore S., Santa Monica, Calif., assignor to Excel Auto Radiator Company, Chicago, Ill. Reignition means for combustion heaters. 2,585,221, Feb. 12.

Bristol Laboratories Inc., assignee: *See*—
Buckwalter, Frank H.
Cheney, Lee C.
Granatek, Alphonse P.
Staab, Frank W.

British Celanese Limited, assignee: *See*—
Eccles, Thomas, and Halkyard.

British Telecommunications Research Limited, assignee: *See*—
Beaufoy, Raymond.

Brockley, Jacob, Newport News, Va. Scissor sharpener. 2,585,623, Feb. 12.

Brody, Leo: *See*—
Small, Jack, and Brody.

Bromley, Raymond V., Washington, D. C., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Thread for glass containers. 2,585,624, Feb. 12.

Brooks, Charles H.: *See*—
Dougherty, Patrick F., and Brooks.

Brooks, Firman R., and A. J. Turner, Tucson, Ariz., assignors of 10 per cent to Leonard M. Shiebly. Self-lubricating vehicle spring. 2,585,367, Feb. 12.

Brown, Jesse F., Lebanon, Tenn. Hitch for tractor-drawn plows. 2,585,085, Feb. 12.

Brown, John N.: *See*—
Dickerman, Harry K., and Brown.

Brown, Leonard: *See*—
Lynam, John E., and Brown.

Brown, Otis A., assignee: *See*—
Fitzgerald, Bloyce D.

Brown, William C., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,585,084, Feb 12.

Bruce, Stanford P., assignor to Wheel Trueing Tool Company, Detroit, Mich. Tool-holder assembly. 2,585,733, Feb. 12.

Bruins, Paul F., Douglaston, and E. J. Kurtz, Brooklyn, N. Y., assignors to National Southern Products Corporation. Vinyl resin plasticized with a mixture of a monohydric alcohol ester of the maleic anhydride adduct of rosin acid and a monohydric alcohol ester of a fatty acid. 2,585,222, Feb. 12.

Brunsing, Rex L., assignor to Vacuum Cooling Company, San Francisco, Calif. Thermometer and determining temperature in a vacuum cooling chamber for cooling vegetables. 2,585,086, Feb. 12.

Bryant Chucking Grinder Company, assignee: *See*—
Bryant, William J., Ljunggren, and Moore.
Moore, Willis F.

Bryant, William J., T. H. Ljunggren, and W. F. Moore, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Internal grinding machine with automatic air gauge sizing. 2,585,533, Feb. 12.

Bucher, Fred J., Library, Pa. Leakage indicator and protective equipment for direct current distributing circuits. 2,585,734, Feb. 12.

Buckeye Steel Castings Company, The, assignee: *See*—
Wolfe, Harry H.

Buckwalter, Frank H., Dewitt, assignor to Bristol Laboratories Inc., Syracuse, N. Y. Dibenzylamine salts of penicillin. 2,585,432, Feb. 12.

Bull, Cabot S., Hillingdon, and A. H. Atherton, Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, England. Secondary electron emissive electrode and its method of making. 2,585,534, Feb. 12.

Bunting, Albert L., Dearborn, assignor to Speedryer, Inc., Detroit, Mich. Hair drier. 2,585,735, Feb. 12.

Burch, Seaborn W., Sr., College Park, Ga. Vaporizing oil burner. 2,585,088, Feb. 12.

Burford, William B., III: *See*—
Fowler, Robert D., Burford, and Anderson.

Burke, William H., Oakland, Calif. Ventilating shutter. 2,584,982, Feb. 12.

Burkett, Wilford B.: *See*—
Heidner, Richard C., and Burkett.

Burls, John A. E., Kenton, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Bookbinding machinery. 2,585,433, Feb. 12.

Burr, Lauren R., assignor to Kold Hold Manufacturing Company, Lansing, Mich. Refrigerating assembly for mobile equipment. 2,585,087 Feb. 12.

Burr, Lauren R., assignor to Kold-Hold Manufacturing Company, Lansing, Mich. Heat exchange unit having a trough. 2,585,736, Feb. 12.

Burroughs Adding Machine Company, assignee: *See*—
Fettig, Arthur J.

Burt, F. N., Company, Inc., assignee: *See*—
Dickerman, Harry K., and Brown.

Butcosk, Richard A., Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. High-temperature grease. 2,585,321, Feb. 12.

Butterworth, Gilbert J., Chester, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Centrifugally operated switch. 2,584,983, Feb. 12.

Caesar, Philip D.: *See*—
Hartough, Howard D., Caesar, and Lukasiewicz.

Caldwell, Ford W., and J. P. Sharp, Humboldt, Tenn. Resilient clamp. 2,585,089, Feb. 12.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing β-lactones employing a uranyl salt catalyst. 2,585,223, Feb. 12.

California Research Corporation, assignee: *See*—
Elwell, William E., and McGowan.
Langlois, Gordon E.

Campbell-Hausfeld Company, The, assignee: *See*—
Hartman, Clarence F.

Campbell, Robert A., Glen Flora, Wis. Stone crushing device. 2,585,224, Feb. 12.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Compensating device for a magnetic recording-reproducing head. 2,584,984, Feb. 12.

Canal National Bank of Portland, The, trustee: assignee: *See*—
Shepard, Ernest L.

Caponera, George H., Harrison, N. Y. Food catching apron for chairs. 2,585,434, Feb. 12.

Carlson, Gustaf H., assignor to R. P. Scherer Corporation, Detroit, Mich. Hydrolyzing lactalbumin. 2,585,225, Feb. 12.

Carlson, Martin, Brookfield, assignor to G. W. Houlsby, Jr., Chicago, Ill. Door check mechanism. 2,585,625, Feb. 12.

Carlsson, Oscar, Emmaboda, Sweden. Table having vertically adjustable top. 2,585,535, Feb. 12.

Carnelli, Francis J., New York, N. Y. Self-adjusting wrench. 2,585,090, Feb. 12.

Carpenter, Clifford L., Brooklyn, N. Y., assignor to Standard Oil Development Company. Catalytic reforming process. 2,585,737, Feb. 12.

Carroll, Wallace E., Chicago, Ill. Dial indicator. 2,585,368, Feb. 12.

Caruthers, Carlton B., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Side-wall sampler. 2,585,369, Feb. 12.

Catlin, Willard E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Copolymers of methacrylanilide with higher alkyl acrylic esters. 2,584,968, Feb. 12.

Celanese Corporation of America, assignee: *See*—
Lesser, Herman J.

Cement Gun Company, Inc., assignee: *See*—
Gillespie, Robert N., Mair, and McNally.

Central Soya Company, Inc., assignee: *See*—
Kruse, Norman F.

Ceskoslovenske Textilni Zavody, Narodni Podnik, assignee: *See*—
Heřmánek, Václav.

Chadbourne, Joseph H., Scotland, Conn. Loom picker. 2,585,435, Feb. 12.

Chamberlain Corporation, assignee: *See*—
Etten, Nicholas L.

Chapin, Ellis W., Chicopee Falls, and L. Elkas, West Springfield, Mass., assignors to Savage Arms Corporation, Utica, N. Y. Cartridge guide device for repeating firearms. 2,585,738, Feb. 12.

Chapman, John H., Ruislip, assignor to Glaxo Laboratories Limited, Greenford, England. Preparation of a derivative of cyclohexene. 2,584,969, Feb. 12.

Chemical Foundation, Incorporated, The, assignee: *See*—
Barrett, Harold W.

Chemische Fabriek L. van der Grinten, assignee: *See*—
Van der Grinten, Lodewijk P. F.

Cheney, Lee C., Fayetteville, assignor to Bristol Laboratories Inc., New York, N. Y. Penicillin salts of amines derived from rosin. 2,585,436, Feb. 12.

Cherba, Samuel: *See*—
Gronemeyer, Erich, and Cherba.

Chiglo, John, Pottstown, Pa. Seal cutter. 2,585,536, Feb. 12.

Chilton, Allan, Ridgewood, N. J., assignor to Curtiss-Wright Corporation. Turbine mechanism for driving the fuel pumps of rockets. 2,585,626, Feb. 12.

Christian, Joseph D., San Francisco, Calif. Cooling off of sand and gravel. 2,585,739, Feb. 12.

Christman, Peter J., Green Bay, Wis. Winding apparatus. 2,585,226, Feb. 12.

Christman, Peter J., Green Bay, Wis. Winding apparatus. 2,585,227, Feb. 12.

Ciba Limited, assignee: *See*—
Jenny, Walter, and Kern.
Wittwer, Robert.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Hoffmann, Karl, and Tagmann.

Cicalese, Michael J., Forest Hills, assignor to Hydrocarbon Research, Inc., New York, N. Y. Production of oxygen by rectification of air involving precooling the air. 2,584,985, Feb. 12.

Cincinnati Coffin Co., assignee: *See*—
Woltering, Alphonse J.

City National Bank and Trust Company of Chicago, trustee, assignee: *See*—
Frankel, Leo.

Claassen, Howard H., and K. E. Beu, Bartlesville, Okla., assignors to Phillips Petroleum Company. Fast X-ray diffraction camera. 2,585,740, Feb. 12.

Clark, Gilbert R., Nutley, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Selective wave filter. 2,584,986, Feb. 12.

Clarke, John T., Columbus, Ohio, assignor to The Texas Company, New York, N. Y. Side chain halogenation of alkyl thiophenes. 2,585,091, Feb. 12.

Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Overdrive control. 2,585,437, Feb. 12.

Cless, John M., Pueblo, Colo. Folding wheel chock. 2,585,370, Feb. 12.

Clingman, Paul E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Rubberlike article. 2,585,438, Feb. 12.

Clogston, Albert M., Melrose, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Magnetron having modulating means. 2,585,741, Feb. 12.

Coelho, Manuel T., Redwood City, Calif. Implement for removing indentations from putting greens. 2,585,298, Feb. 12.

Coffing, James R., Danville, Ill. Live stock feeder. 2,585,371, Feb. 12.

Coffman, Donald D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Beta-methylene-beta-propiolactone copolymers. 2,585,537, Feb. 12.

Coleman, John H., Princeton, N. J., assignor to Radio Corporation of America. Magnetic controlled gas rectifier tube. 2,585,439, Feb. 12.

Colgate-Palmolive-Peet Company, assignee: *See*—
Gebhart, Arthur I., and Ross.

Collins, Cloyd L.: *See*—
Sommer, Walter L., Leeder, and Collins.

Collins, Daniel T., Ferndale, Mich. Water sealed air washer. 2,585,440, Feb. 12.

Collins, Harold B.: *See*—
Johnson, Arthur C., Collins, and Johnson.

Colomb, Marc, assignor to Fabrique d'Ebauches de Peseux S. A., Peseux, Switzerland. Self-winding watch. 2,585,228, Feb. 12.

Commonwealth Engineering Company of Ohio, The, assignee: *See*—
Lewis, Elisha B.

Communication Engineering Pty. Limited, assignee: *See*—
Owen, Lloyd J.

Condon, Francis H., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Washing machine transmission. 2,585,300, Feb. 12.

Condon, James E., Roxbury, Mass. Collapsible table mountable on automobile seat. 2,585,742, Feb. 12.

Condon, Marjorie Z.: *See*—
Altschul, Aaron M., Condon, and Lambou.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Werner, Robert V.

Conto, Dominic, Sheboygan, Wis. Foam generating apparatus. 2,585,092, Feb. 12.

Control Instrument Company, Inc., assignee: *See*—
Libman, Earl E.

Cook, Michael E., Bellwood, Ill. Tooth powder dispenser having sliding valve for dispensing measured quantities of powder. 2,585,299, Feb. 12.

Cooper, Charles M., Jr., Henderson, N. C. Soap holder cover. 2,585,743, Feb. 12.

Cooper, Joseph, Forest Hills, N. Y. Extension table with elevating metal slides therefor. 2,585,744, Feb. 12.

Coover, Harry W., Jr., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing 1,4-naphthoquinone compounds. 2,585,229, Feb. 12.

Coover, Harry W., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. N-fluoroalkyl-n-vinylalkanamides and preparation thereof. 2,585,230, Feb. 12.

Cornell Iron Works, Inc., assignee: *See*—
Cornell, Milton L., and Bennett.

Cornell, Milton L., Malba, and R. K. Bennett, Bayside, assignors to Cornell Iron Works, Inc., Long Island City, N. Y. Vision light metal slat rolling door. 2,585,627, Feb. 12.

Cornell, Paul W., and E. Cotton, Mount Lebanon, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Catalytic reactor. 2,585,441, Feb. 12.

Corning Glass Works, assignee: *See*—
Armistead, William H.
Mochel, John M.

Cotton, Ernest: *See*—
Cornell, Paul W., and Cotton.

Cotton, Robert B., Media, Pa., assignor to All American Airways, Inc., Wilmington, Del. Hydrodynamic testing apparatus. 2,585,442, Feb. 12.

Cotton, William, Limited, assignee: *See*—
Lynam, John E., and Brown.

Cousins, Howard M.: *See*—
Messinger, Bernard L., and Cousins.

Cox, Duncan B., Woodbury, N. Y. Electric heating unit. 2,585,443, Feb. 12.

Coxe, Charles D., Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of shaped articles from acrylonitrile polymers. 2,585,444, Feb. 12.

Crane, Charles S., Findlay, Ohio. Tire mounting and demounting apparatus with circumferentially distributed thrust members. 2,585,628, Feb. 12.

Crane Packing Company, assignee: *See*—
Montgomery, George E.

Crawford, Claud F., Pasadena, Calif., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Bunion pad and the like. 2,585,629, Feb. 12.

Creamer, Edgar M., Jr., assignor to Philco Corporation, Philadelphia, Pa. Triangular pulse generator. 2,585,093, Feb. 12.

Creed and Company Limited, assignee: *See*—
Salmon, Reginald D.

Crompton & Knowles Loom Works, assignee: *See*—
Beatrice, Gabriel C., and Hall.

Cropp, Elwin H.: *See*—
Hutchisson, Clarence L., Jr., and Cropp.

Crosby, Kenneth L., Valdosta, Ga. Traveling bag having independently accessible compartments. 2,585,745, Feb. 12.

Crosman, Loring P., Darien, Conn., assignor to Remington Rand, Inc., New York, N. Y. Digit shifting circuit. 2,585,630, Feb. 12.

Crownover, Joseph W., Hartsdale, and J. Schmidt, Ardsley, N. Y. Vernier measuring device. 2,585,631, Feb. 12.

Crucible Steel Company of America, assignee: *See*—
Preston, John E.

Cudini, Roger G., Birmingham, assignor to Moynahan Bronze Company, Detroit, Mich. Berth. 2,585,632, Feb. 12.

Curtiss-Wright Corporation, assignee: *See*—
Chilton, Allan.
Keller, George H.
Spielman, Warren L.

Dalquist, Mark S.: *See*—
Moen, Rolf, and Dalquist.

D'Ambrosio, Angelo, Herkimer, N. Y. Garment hanger. 2,585,094, Feb. 12.

Daniels, Lee C., assignor to Towmotor Corporation, Cleveland, Ohio. Side-dumping scoop. 2,585,095, Feb. 12.

Daniels, Theodore H., Seattle, Wash. Drawoff tap for liquid-containing cartons. 2,585,538, Feb. 12.

Danly, James C., River Forest, and V. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Making solid friction disks. 2,585,539, Feb. 12.

Danly Machine Specialties, Inc., assignee: *See*—
Danly, James C., and Georgeff.

Daub, Rudolph, West Caldwell, N. J. Valve cooling. 2,585,540, Feb. 12.

Davis, Lewis H., Wayne, Pa., and G. H. Blaker, Moorestown, N. J., assignors to Radio Corporation of America. Adjustable Schmidt television projector mounting. 2,585,746, Feb. 12.

Day, Maurice J., Oak Park, Ill., and G. D. Rahrer, Gary, Ind., assignors to United States Steel Company. Making low-alloy steel. 2,585,372, Feb. 12.

Decker, Troy H., Hildebran, assignor of one-half to A. B. Vinay, Valdese, N. C. Safety stop attachment for full-fashioned hosiery machines. 2,585,633, Feb. 12.

Deere & Company, assignee: *See*—
Steffens, Otto A.

Deletaille, Emile, Woluwe-St. Pierre, Belgium. Speed variator. 2,585,634, Feb. 12.

Deloraine, Edmond M., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse delay communication system. 2,584,987, Feb. 12.

De Mars, Paul A., assignor, by mesne assignments, to R. M. Wilmotte, Washington, D. C. Slub detector. 2,585,541, Feb. 12.

Dember, Alexis B., Towson, assignor to Bendix Aviation Corporation, Baltimore, Md. Dew point measuring apparatus. 2,584,988, Feb. 12.

Dember, Alexis B., Towson, assignor to Bendix Aviation Corporation, Baltimore, Md. Dew point measuring apparatus. 2,584,989, Feb. 12.

De Minico, Frank, assignor to Pollard Alling Manufacturing Company, New York, N. Y. Key control and spacer operating mechanism for plate embossing machines. 2,585,542, Feb. 12.

Denzler, Berthold, assignor of one-half to F. Brandhandler, Chicago, Ill. Collet chuck. 2,585,747, Feb. 12.

De Silvestro, Salvatore, Miami, Fla. Air-cooling and heating apparatus. 2,585,748, Feb. 12.

Detrick, M. H., Company, assignee: *See*—
Hosbein, Louis H.

Detroit Broach Company, assignee: *See*—
Kaplan, Leo I., and von Reis.

Devlin, Paul A.: *See*—
Shokal, Edward C., Winkler, and Devlin.

Devoe & Raynolds Company, Inc., assignee: *See*—
Greenlee, Sylvan O.

Dibble, Harry A., New York, N. Y. Repair of punctured tires. 2,585,635, Feb. 12.

Dick, A. B., Company, assignee: *See*—
Roshkind, Allan I.
Stephenson, Paul A.

Dickerman, Harry K., and J. N. Brown, assignors to F. N. Burt Company, Inc., Buffalo, N. Y. Dispensing closure for paper powder containers. 2,585,373, Feb. 12.

Dickey, Joseph B.: *See*—
Coover, Harry W., Jr., and Dickey.

Di Lorenzo, Francis A.: *See*—
Di Lorenzo, Nicholas V. and F. A.

Di Lorenzo, Nicholas V. and F. A., Chatham, N. Y. Ignition control mechanism. 2,585,749, Feb. 12.

Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor counting system. 2,584,990, Feb. 12.

Dingeldein, Karl A., Chicago, Ill., assignor to St. Louis Metalcrafts, Inc., St. Louis, Mo. Child's drinking cup. 2,585,445, Feb. 12.

Dippy, Robert J., Old Bexley, England. Wireless navigation system. 2,585,374, Feb. 12.

Dixon, William A., Bronx, N. Y. Window pivot and lock. 2,585,375, Feb. 12.

Doelling, George L., St. Louis, and K. H. Adams, Fenton, assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo. Ether-plasticized compositions. 2,585,750, Feb. 12.

Dole Valve Company, The, assignee: *See*—
Rosenblum, Robert A.

Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Receiving antenna. 2,585,636, Feb. 12.

Donnelly, Walter J., Baldwin, N. Y. Navigating instrument. 2,585,751, Feb. 12.

Dornin, Florence L. T., executrix: *See*—
Dornin, George A.

Dornin, George A., deceased, Youngstown, by F. L. T. Dornin, executrix, assignor to G. A. Dornin, Jr., Warren, Ohio. Making an ingot. 2,585,096, Feb. 12.

Dornin, George A., Jr., assignee: *See*—
Dornin, George A.

Dorr Company, The, assignee: *See*—
Graner, Frank L., and Scott.

Dorsey, James E., assignor of ninty-five per cent to M. M. Gedance and five per cent to J. Huffard, Las Vegas, Nev. Article holder. 2,585,231, Feb. 12.

Dorst, Stanley O., assignor to Sprague Electric Company, North Adams, Mass. Production of discontinuous, conducting coatings upon insulating surfaces. 2,585,752, Feb. 12.

Doss, Willie G., Lubbock, Tex. Feeding and refuse separating apparatus for cotton ginning mechanism. 2,585,301, Feb. 12.

Dougherty, Patrick F., Chester Heights, and C. H. Brooks, Mount Holly, N. J., assignors to Sun Oil Company, Philadelphia, Pa. Wax refining. 2,585,895, Feb. 12.

Douglas Aircraft Company, Inc., assignee: *See*—
Russell, John D.

Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Pressure compensated pump. 2,585,232, Feb. 12.

Dow Chemical Company, The, assignee: *See*—
Kauer, Kenneth C.
Morell, Le Grand, and Knutson.

Dremel, Albert J., Racine, Wis. Hand sander. 2,585,637, Feb. 12.

Drever Company, assignee: *See*—
Seabold, Edward J.

Drew, E. F., & Co., Inc., assignee: *See*—
Drew, Ernest F.
Mueller, Herbert H.

Drew, Ernest F., assignor to E. F. Drew & Co., Inc., New York, N. Y. Apparatus for recovering volatile materials. 2,585,638, Feb. 12.

Driver, Wilbur B., Company, assignee: *See*—
Allen, Victor O.

Drury, Herbert R., Waite Hill, Ohio. Centrifugal separator. 2,585,753, Feb. 12.

Du Bois, Arthur E., Fort Lauderdale, Fla. Attachment device. 2,585,302, Feb. 12.

Dumais, Estelle T.: *See*—
Armand, Estelle T.

Dumble, William H., Bakersfield, Calif. Overshot tool string knuckle joint. 2,585,303, Feb. 12.

Dunkelberger, Milton S., Dayton, Ohio. Toy train and track. 2,585,754, Feb. 12.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Austin, Paul R.
Balthrop, Edward S., Jr.
Beck, Mae L.
Catlin, Willard E.
Coffman, Donald D.
Coxe, Charles D.
Dykstra, Harry B.
Johnson, Paul R.
Pease, Donald C., and Handy.
Pinkney, Paul S.
Pollock, Frank S., Jr.
Rothrock, George M.
Stanton, William A.
Thomas, John C.
Watson, Frederick K.

Duspiva, Franz, Tutzing, Oberbayern, Germany, assignor to Pest Control Limited, Bourn, England. Poisons for destroying insects selectively by the use of alkali-soluble coatings on said poisons. 2,585,755, Feb. 12.

Dye, Walter V., Columbia, Tenn. Direction and caution signaling apparatus for automotive vehicles. 2,584,991, Feb. 12.

Dyer, Frederic T., and R. H. Revett, assignors to Ransomes, Sims & Jefferies, Limited, Ipswich, England. Profile grinding or polishing machine. 2,585,376, Feb. 12.

Dykstra, Harry B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Activated addition halogenation. 2,584,992, Feb. 12.

Dzus Fastener Co., Inc., assignee: *See*—
Gunther, Conrad J.

Dzus, William, West Islip, N. Y. Closure fastening device. 2,585,233, Feb. 12.

Eason, Clarence M., assignor to Industrial Clutch Corporation, Waukesha, Wis. Clutch control mechanism. 2,585,234, Feb. 12.

Eastman Kodak Company, assignee: *See*—
Caldwell, John R.
Coover, Harry W., and Dickey.
Coover, Harry W., Jr., and Dickey.
Hagemeyer, Hugh J., Jr., and Wright.
Jones, John G., and Ulmschneider.
Schubert, Alvin E., Egan, and Hopkins.
Turner, John R., and Pellman.
Wittel, Otto.

Eccles, Thomas, and H. Halkyard, Spondon, near Derby, England, assignors to British Celanese Limited. Textile apparatus. 2,585,097, Feb. 12.

Eder, George D., Gardner, Kans. Expansion joint cleaner. 2,584,993, Feb. 12.

Edson, Alden P.: *See*—
Moore, Earl K., and Edson.

Edwin, Emil, and N. D. Nilsen, Oslo, Norway. Production of tubular objects of prestressed concrete. 2,585,446, Feb. 12.

Egan, John F.: *See*—
Schubert, Alvin E., Egan and Hopkins.

Eichorst, Herman H., Hollydale, Calif. Adjustable back rest. 2,585,447, Feb. 12.

Eisler, Joseph D., and R. E. Hartline, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Balanced electronic inverter. 2,585,377, Feb. 12.

Electric Controller & Manufacturing Company, The, assignee: *See*—
Noyes, Everett E.

Electric & Musical Industries Limited, assignee: *See*—
Bull, Cabot S., and Atherton.
Faudell, Charles L.

Electric Products Company, The, assignee: *See*—
Lee, William H., and Smith.

Electrolunch Co., assignee: *See*—
Gronlund, Ernst H.

Elkas, Louis: *See*—
Chapin, Ellis W., and Elkas.

Elliott, Howard R., Long Beach, Calif. General utility gripping tool. 2,585,098, Feb. 12.

Elmore, William C., Springfield Township, Delaware County, Pa., assignor to the United States of America as represented by the United States Atomic Energy Commission. Compensated electron discharge measuring device. 2,585,639, Feb. 12.

Elwell, William E., Berkeley, and D. C. McGowan, Richmond, assignors to California Research Corporation, San Francisco, Calif. Linear pyromellitic polyesters and their derivatives. 2,585,323, Feb. 12.

Emerson, William S., and R. I. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Plasticizers. 2,585,448, Feb. 12.

Emmert, George W., Chicago, Ill. Quiz game apparatus. 2,585,099, Feb. 12.

English Electric Company Limited, The, assignee: *See*— Welsh, Robert J.

Ertel, Joseph, Jackson Heights, N. Y. Cord clamping means. 2,585,543, Feb. 12.

Eschenbrenner, Hector X., Columbus, Ohio. Method and apparatus for forming concrete pipes. 2,585,756, Feb. 12.

Eskew, Stanley F., Fayetteville, W. Va. Automobile tent. 2,585,449, Feb. 12.

"Etablissements Francois Masurel Freres," assignee: *See*— Valentin, Marie J. A.

Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer. 2,585,757, Feb. 12.

Evans, George G., assignee: *See*— Rooke, George F.

Evans, Theodore W.: *See*— Whetstone, Richard R., and Evans.

Evans, William I., and E. Blanco, Los Angeles, Calif. Rod to plate joint structure. 2,585,304, Feb. 12.

Everett, Kenneth E., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Nonemissive electrode and manufacturing. 2,584,994, Feb. 12.

Everitt, William L., Urbana, Ill., assignor to Motorola, Inc. Radio control system. 2,585,640, Feb. 12.

Excel Auto Radiator Company, assignee: *See*— Briskin, Theodore S.

Fabrique d'Eabauches de Peseux S. A., assignee: *See*— Colomb, Marc.

Fageol, R. D., Company, assignee: *See*— Fageol, Robley D.

Fageol, Robley D., assignor to R. D. Fageol Company, Detroit, Mich. Pressure actuated transmission control unit. 2,584,995, Feb. 12.

Fageol, Robley D., assignor to R. D. Fageol Company, Detroit, Mich. Pressure actuated transmission control unit. 2,584,996, Feb. 12.

Fairchild Camera & Instrument Corporation, assignee: *See*— Menes, Herman C.

Falcon, William V., Revere, Mass. Fuel pump and nozzle for internal-combustion engines. 2,585,100, Feb. 12.

Farnsworth Research Corporation, assignee: *See*— Hallmark, Clyde E.
Henroteau, François C. P.
Sanders, Robert W.

Farris, Riley F., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Cementing of wells. 2,585,378, Feb. 12.

Faso, William J., Bayside, N. Y., assignor of one-half to S. J. Goldstein, Beaver Falls, Pa. Finger-supported tool for locating and turning small nuts, boltheads, etc. 2,585,641, Feb. 12.

Fattor, Louis L., St. Louis, Mo. Worktime calculator and stand. 2,585,642, Feb. 12.

Faudell, Charles L., near Stoke Poges, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Scanning coils for cathode-ray tubes. 2,585,235, Feb. 12.

Faure, Simon, Firminy, France. Hauling and hoisting gear. 2,585,101, Feb. 12.

Federal Telephone & Radio Corporation, assignee: *See*— Clark, Gilbert R.
Deloraine, Edmond M.
Frum, Alexander.
Juvrud, Merlin O.
Kreitchman, Morton A., and Tanner.
Lewis, Elmer F.

Fein, Martin L.: *See*— Filachione, Edward M., Fein, and Fisher.

Feldmann, Henry J., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Compartment lock. 2,585,643, Feb. 12.

Felt & Tarrant Manufacturing Company, assignee: *See*— Niemann, Frederick A.

Ferguson, Harry, Inc., assignee: *See*— Worsdell, Loren E.

Ferguson, Syrl K., Springfield, Va. Message timing device. 2,584,997, Feb. 12.

Ferro-Glo Corporation, assignee: *See*— Peters, Lewis M.

Fettig, Arthur J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Paper guide means for business machines. 2,585,102, Feb. 12.

Filachione, Edward M., Philadelphia, Pa., M. L. Fein, Riverside, N. J., and C. H. Fisher, Abington, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Mixed glycerol esters and their acylation products. 2,584,998, Feb. 12.

Fisher, Charles H.: *See*— Filachione, Edward M., Fein and Fisher.

Fitzgerald, Bloyce D., assignor to O. A. Brown, Whittier, Calif. Apparatus for ultrasonic treatment of liquids. 2,585,103, Feb. 12.

Fitzgerald, Paul H., assignor of five-twelfths to H. J. Stoner, Rockford, Ill. Vacuum controlled air vent. 2,585,236, Feb. 12.

Fitz Gerald, William P.: *See*— Banes, Fred W., Fitz Gerald, and Nelson.

Fjermestad, Odd, Brooklyn, N. Y. Electric iron holder. 2,585,758, Feb. 12.

Flournoy, Algernon F., Shreveport, La., assignor by decree of distribution to M. T. Flournoy. Curling iron. 2,584,999, Feb. 12.

Flournoy, Margaret T., assignee: *See*— Flournoy, Algernon F.

Fogelholm, Karl-Gustaf B., administrator: *See*— Sevön, Johan W., and Sundman.

Folda, Bert, Jr.: *See*— Watts, Euclid V., and Folda.

Folke, Bengt E., deceased, by B. Folke, administratrix, Mamaroneck, assignor to Nathan Manufacturing Company, New York, N. Y. Water gauge. 2,585,104, Feb. 12.

Folke, Bernice, administratrix: *See*— Folke, Bengt E.

Forges & Ateliers de Constructions Electriques de Jeumont, assignee: *See*— Letrilliart, Pierre, and Galzin.

Fort, Dorathea L.: *See*— Harmon, Cline H., and Fort.

Foster, Theodore: *See*— Bickel, Clifford A., Brandenburg, and Foster.

Fowler, Robert D., W. B. Burford, III, and H. C. Anderson, Baltimore, Md., assignors to the United States of America as represented by the United States Atomic Energy Commission. Producing fluorocarbons. 2,585,644, Feb. 12.

Frank, Bernard E.: *See*— Hahn, Rea I., and Frank.

Frank, Bernard E., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Apparatus for sizing tubing. 2,585,450, Feb. 12.

Frank, George H., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Hood for conveyers. 2,585,105, Feb. 12.

Frank, Walter R., Elmhurst, Ill. Vaporizer. 2,585,106, Feb. 12.

Frankel, Leo, Chicago, Ill., assignor, by mesne assignments to City National Bank and Trust Company of Chicago, as trustee. Footage indicator in a motion-picture camera viewer. 2,585,451, Feb. 12.

Freitag, Byron E., Fort Wayne, Ind., assignor to General Electric Company. Folding lid for open topped cabinets. 2,585,645, Feb. 12.

French, George F. and R., Manchester, England. Curtain heading tape. 2,585,759, Feb. 12.

French, Roger: *See*— French, George F. and R.

Friddell, Roy, Galveston, Tex. Apparatus for cooking edible imitation hollow corncobs. 2,585,000, Feb. 12.

Friedlander, William, assignor to Mono-Cam Limited, London, England. Fuel pump. 2,585,544, Feb. 12.

Friedley-Voshardt Company, assignee: *See*— Wieghart, Albert W.

Friedlund, Gerhardt, Detroit, Mich. Lighted compact. 2,585,452, Feb. 12.

Fritter-Chef Corporation, assignee: *See*— Wright, George J. and R. J.

Fritts, Kenneth M., Erie, Pa. Radius tangent dresser. 2,585,305, Feb. 12.

Frommer, Joseph C., Cincinnati, Ohio. Apparatus for the measurement of high-frequency power. 2,585,001, Feb. 12.

Frum, Alexander, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cathode-ray tube sweep system. 2,585,002, Feb. 12.

Frye, Enoch M., Melrose, Mass., assignor to General Electric Company. Self-locking counterweight. 2,585,646, Feb. 12.

Fulmer, Mae M., Portland, Oreg. Doughnut cutting machine. 2,585,379, Feb. 12.

Furrer, Josef, Altdorf, Switzerland. Roof and wall covering. 2,585,760, Feb. 12.

Gabrielson, Samuel: *See*— Sinks, Allen T., Pfuntner, and Gabrielson.

Galkin, Joseph, New York, N. Y. Belt loop sewing machine. 2,585,306, Feb. 12.

Galkin, Joseph, New York, N. Y. Attachment for blind-stitch sewing machines. 2,585,307, Feb. 12.

Gallagher, John P., and J. H. Gidlund, Chicago, Ill. Interchangeable, self-releasing, self-locking high-pressure tube and pipe connector unit. 2,585,453, Feb. 12.

Gallois, Robert, Paris, France. Electric glass melting process. 2,585,761, Feb. 12.

Galzin, Louis: *See*— Letrilliart, Pierre, and Galzin.

Gamson, Bernard W., Morton Grove, Ill., assignor to Great Lakes Carbon Corporation, New York, N. Y. Preparation of a sulfur-containing activated carbon. 2,585,454, Feb. 12.

Gannett, Danforth K., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,585,545, Feb. 12.

Gardner, Percy, assignor to Spiral Bagging Machine Corporation, New York, N. Y. Machine for making spiral bags. 2,585,762, Feb. 12.

Gardner, Roland H., assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,585,455, Feb. 12.

Garric, Jean, Sainte-Savine, France. Manufacture of stockings and the like articles of hosiery. 2,585,456, Feb. 12.

Gash, Virgil W.: *See*— Wheeler, Keith W., and Gash.

Gasner, Leonard C., and C. M. Page, Chicago, Ill.; said Page assignor to said Gasner. Portable scaffold. 2,585,763, Feb. 12.

Gay, Cecil H., Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Making banded pressure vessels. 2,585,237, Feb. 12.

Gebhart, Arthur I., Union, and J. Ross, Ramsey, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparing fatty compounds. 2,585,129, Feb. 12.

Gedance, Maurice M., assignee: *See*— Dorsey, James E.

Geldhof, Peter E., St. Joseph, Mich., assignor to Whirlpool Corporation. Vibration dampener mounting for washing machines and the like. 2,585,107, Feb. 12.

Gelpi, Alcee J., Jr.: *See*— Rusoff, Louis L., and Gelpi.

General Aniline & Film Corporation, assignee: *See*— Olsen, Robert T.
Owen, Emily M.
Randall, David I., and Renfrew.
Randall, David I., and Smith.
Werner, Jesse, and Graham.
Wilkinson, Joseph M., Jr.

General Corrugated Machine Company, Inc., assignee: *See*— Bandura, James, Baisley, Pfeffer, and Keely.

General Electric Company, assignee: *See*— Dome, Robert B.
Freitag, Byron E.
Frye, Enoch M.
Hammerly, Herman J.
Hewlett, Clarence W., Jr.
Lundberg, John E.
Meiklejohn, William H.
Sinks, Allen T., Pfuntner, and Gabrielson.
Warner, Russell A.
Wrobel, Henry T., and Bakke.

General Electric Company Limited, The, assignee: *See*— Michaelis, Wolfgang M.

General Mills, Inc., assignee: *See*— Moen, Rolf, and Dalquist.
Roach, John R., and Wittcoff.

General Motors Corporation, assignee: *See*— Boegehold, Alfred L.
Claytor, Edward M.
Clingman, Paul E.
Frank, Bernard E.
Guernsey, Robert W.
Hahn, Rea I., and Frank.
Kehrl, Howard H.
Kelley, Oliver K.
Martin, Edward J., and Wilson.
Mead, Howard C.
Rives, George A.

Georgeff, Vasil: *See*— Daniy, James C., and Georgeff.

Gerhold, Clarence G., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Method and apparatus for effecting the fluidized catalytic conversion of a reactant stream. 2,585,238, Feb. 12.

Gesellschaft zur Forderung der Forschung an der E. T. H., Zurich, assignee: *See*— Thiemann, Hugo.

Gesellschap, Robert A., Kirkwood, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical fuse cutout. 2,585,003, Feb. 12.

Getz, Delmond L., assignor to The Steel Products Engineering Company, Springfield, Ohio. Humidifier for the hot-air chambers of air-heating systems. 2,585,764, Feb. 12.

Gidlund, Jonas H.: *See*— Gallagher, John P., and Gidlund.

Gill, Ray H.: *See*— Tonge, William R., and Gill.

Gillerstrom, Hilmer, Arcadia, Calif., assignor to Independent Pneumatic Tool Company, Chicago, Ill. Air line lubricator for pneumatic tools. 2,585,457, Feb. 12.

Gillespie, Robert N., J. K. Mair, and C. J. McNally, assignors to Cement Gun Company, Inc., Allentown, Pa. Water injection valve combination with cement spraying nozzle. 2,585,004, Feb. 12.

Glaxo Laboratories Limited, assignee: *See*— Chapman, John H.

Gleason Works, assignee: *See*— Male, Herman A.

Godshalk, James B., Philadelphia, and L. A. Medlar, Oreland, assignors, by mesne assignments, to Sterlingworth Company, Philadelphia, Pa. Method and apparatus for charging batteries. 2,585,005, Feb. 12.

Goldstein, Reuben, Pittsburgh, Pa. Exterior rearview controlled mirror. 2,585,308, Feb. 12.

Goldstein, Samuel J., assignee: *See*— Faso, William J.

Goodall-Sanford, Inc., assignee: *See*— Welch, Raymond.

Goodrich, B. F., Company, The, assignee: *See*— Boyle, Thomas E.
Kline, Paul L.
McGarry, Leo J.
Tonge, William R., and Gill.

Gordon, Jack C., assignor to Allen Industries, Inc., Detroit, Mich. Forming embossed rug cushions. 2,585,108, Feb. 12.

Gordon, Jack C., assignor to Allen Industries, Inc., Detroit, Mich. Making embossed rug cushions. 2,585,109, Feb. 12.

Gordon, Julia E. I., Bricks, N. C. Game apparatus for teaching the use of the multiplication table. 2,585,458, Feb. 12.

Gordon, Paul, Chicago, Ill. Stamp pad. 2,585,647, Feb. 12.

Goss Printing Press Company, The, assignee: *See*— Taylor, Auburn.

Graffis, Howard A.: *See*— Weissman, George L., and Graffis.

Graham, E. David: *See*— Werner, Jesse, and Graham.

Gramlich, Leo H., St. Louis, Mo. Locking mechanism for overhead swinging garage doors. 2,585,110, Feb. 12.

Granatek, Alphonse P., assignor to Bristol Laboratories Inc., Syracuse, N. Y. Amine salt of penicillin. 2,585,239, Feb. 12.

Graner, Frank L., New York, N. Y., and C. H. Scott, Westport, Conn., assignors to The Dorr Company, New York, N. Y. Sedimentation unit. 2,585,006, Feb. 12.

Grauer, Jacob G., Glenside, Pa. Interlocking knockdown table. 2,585,111, Feb. 12.

Graveson, Carl C., Copenhagen, Denmark. Injection molding machine. 2,585,112, Feb. 12.

Great Lakes Carbon Corporation, assignee: *See*— Bollaert, Armand R., and Neu.
Gamson, Bernard W.

Gredell Corporation, assignee: *See*— Gredell, Marcellus W.

Gredell, Marcellus W., assignor to Gredell Corporation, Detroit, Mich. Shear pin coupling for aligned shafts. 2,585,113, Feb. 12.

Gredell, Marcellus W., Detroit, Mich. Power transmission mechanism. 2,585,114, Feb. 12.

Green, Donald W., trustee, assignee: *See*— McGill, Daniel F.

Greenberg, Robert L.: *See*— Guggenheim, Max M., and Greenberg.

Greene, Frank S., Cleveland Heights, Ohio. Cyclic progression game table set. 2,585,380, Feb. 12.

Greenfield, Walter H., Philadelphia, Pa. Rail track heater. 2,585,648, Feb. 12.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Amine-epoxide compositions. 2,585,115, Feb. 12.

Gregg, Russell W., Massillon, Ohio. Hydrokinetic turbine torque converter. 2,585,309, Feb. 12.

Gronemeyer, Erich, Pompton Plains, and S. Cherba, Totowa, N. J., assignors to Owens-Illinois Glass Company. Dispensing device for dispensing liquids, semi-liquids, and powders. 2,585,381, Feb. 12.

Gronlund, Ernst H., assignor to Electrolunch Co., Algonac, Mich. Lunch box. 2,585,310, Feb. 12.

Grönroos, Hugo A., Stallarholmen, assignor of one-half to O. W. Hacklin, Stockholm, Sweden. Manufacturing brick from nonrefractory raw clay. 2,585,116, Feb. 12.

Grove Regulator Company, assignee: *See*— Murray, Russell T., and Vitl.

Grow, Moris N., Minneapolis, Minn. Ice-making machine. 2,585,240, Feb. 12.

Grundberg, Donald N., Stoneham, Mass. Hectographic copying device. 2,585,311, Feb. 12.

Guboff, Edward H., Los Angeles, and R. Binney, Venice, Calif. Oscillator circuits for use in diathermy. 2,585,007, Feb. 12.

Guernsey, Robert W., assignor to General Motors Corporation, Detroit, Mich. Torsional vibration damper. 2,585,382, Feb. 12.

Guggenheim, Max M., assignor to National Equipment Corporation, New York, N. Y. Confection enrober apparatus. 2,585,765, Feb. 12.

Guggenheim, Max M., assignor to National Equipment Corporation, New York, N. Y. Cream cooler. 2,585,766, Feb. 12.

Guggenheim, Max M., and R. L. Greenberg, assignors to National Equipment Corporation, New York, N. Y. Kettle. 2,585,767, Feb. 12.

Gulf Oil Corporation, assignee: *See*— Cornell, Paul W., and Cotton.

Gulf Research & Development Company, assignee: *See*— Hirsch, Joel H.
McKinley, Joseph B.

Gunther, Conrad J., Hempstead, assignor to Dzus Fastener Co., Inc., West Islip, N. Y. Fastener receptacle. 2,585,241, Feb. 12.

Gurries, Albert G., assignor to Be-Ge Manufacturing Co., Gilroy, Calif. Roller attachment for scrapers. 2,585,117, Feb. 12.

Gussick, Frank S., Milwaukee, Wis. Regulating valve. 2,585,383, Feb. 12.

Hacklin, Otto W., assignee: *See*—
Grönroos, Hugo A.

Hadidian, Zareh, Worcester, Mass., and N. W. Pirie, Harpenden, England, assignors to G. D. Searle & Co., Skokie, Ill. Production of high viscosity hyaluronic acid. 2,585,546, Feb. 12.

Hagan Corporation, assignee: *See*—
Vetter, Otto B.

Hagemeyer, Hugh J., Jr., and H. N. Wright, Jr., Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Compositions comprising acrylonitrile polymers and acylated hexahydro-S-triazines. 2,585,242, Feb. 12.

Hahn, Rea I., and B. E. Frank, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Apparatus for sizing tubing. 2,585,459, Feb. 12.

Halahan, John, T. F. Aronson, and F. A. Lyon, Elmhurst, assignors to Remington Rand Inc., New York, N. Y. Variable-speed coupling. 2,585,460, Feb. 12.

Halkyard, Harold: *See*—
Eccles, Thomas, and Halkyard.

Hall, Kenneth J.: *See*—
Beatrice, Gabriel C., and Hall.

Hall, Norman D., Washington, D. C. Magazine type razor. 2,585,384, Feb. 12.

Haller, John F., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Precipitating tower. 2,585,385, Feb. 12.

Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Charge storage television tube. 2,585,008, Feb. 12.

Ham, James O., Goldsboro, N. C. Shock absorbing tow bar. 2,585,768, Feb. 12.

Hamlin, Lewis W., Owosso, Mich. Windshield visor. 2,585,769, Feb. 12.

Hammerly, Herman J., Plainville, Conn., assignor, by mesne assignments, to General Electric Company. Polarized power take-off for bus duct systems. 2,585,770, Feb. 12.

Hammond, John H., Jr.: *See*—
Purington, Ellison S., and Hammond.

Handy, Carleton T.: *See*—
Pease, Donald C., and Handy.

Hansell, Clarence W., and N. E. Lindenblad, Port Jefferson, N. Y., assignors to Radio Corporation of America. Plural wave guiding system. 2,585,243, Feb. 12.

Hansen, Bruno, Des Moines, Iowa. Vehicle window. 2,585,118, Feb. 12.

Hanson, Alfred O., Grand Forks, N. Dak., assignor to the United States of America as represented by the United States Atomic Energy Commission. Reaction comparison apparatus. 2,585,649, Feb. 12.

Hanson, Olaf M., assignor to Universal Oil Products Company, Chicago, Ill. Thermal diffusion apparatus. 2,585,244, Feb. 12.

Hanson, Ross A., Torrance, and F. S. Scott, assignors to Union Oil Company of California, Los Angeles, Calif. Preventing foaming in transferring hot asphalt. 2,585,119, Feb. 12.

Harden, N. A., assignee: *See*—
Brandon, Clarence W.

Harkness, Reed B., and E. E. Lacey, assignors to The C. Dewitt Lukens Surgical Manufacturing Company, St. Louis, Mo. Sterilizing receptacle for ligature tubes. 2,585,312, Feb. 12.

Harmon, Cline H., assignor to Waterloo Foundry Company, Waterloo, Iowa. Animal controlled watering device. 2,585,547, Feb. 12.

Harmon, Cline H., and D. L. Fort, assignors to Waterloo Foundry Company, Waterloo, Iowa. Closure for exhaust pipes. 2,585,548, Feb. 12.

Harrington, Joseph, Jr., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Control apparatus. 2,585,120, Feb. 12.

Harris, Cleo, Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Sectional drawn sheet metal body for air-heating furnaces. 2,585,650, Feb. 12.

Harris, George W., New Rochelle, N. Y. Combined hospital chair and pail. 2,585,771, Feb. 12.

Harris-Seybold Company, assignee: *See*—
Soliner, Karl.

Harrison, Meyer: *See*—
Korman, Samuel B., and Harrison.

Harrison, William H., Los Angeles, Calif. Color temperature and exposure meter. 2,585,245, Feb. 12.

Hart, Frederick, & Co., Inc., assignee: *See*—
Royston, Marvin F.

Hart, Gustaveus W., West Simsbury, Conn. Starter for internal-combustion engines. 2,585,313, Feb. 12.

Hart, Walter H., Winnetka, Ill. Modified starch product. 2,585,651, Feb. 12.

Hartline, Ralph E.: *See*—
Eisler, Joseph D., and Hartline.

Hartman, Clarence F., Cincinnati, assignor to The Campbell-Hausfeld Company, Harrison, Ohio. Valve. 2,585,773, Feb. 12.

Hartman, Robert B., Fairfield, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Electrical conductivity testing apparatus. 2,585,121, Feb. 12.

Hartman, Rush S., Trenton, N. J. Closure operating means. 2,585,122, Feb. 12.

Hartmann, Hans, assignor to Aktiengesellschaft Brown, Bovieri & Cie, Baden, Switzerland. Apparatus for accelerating electrons. 2,585,549, Feb. 12.

Hartough, Howard D., Pitman, P. D. Caesar, Wenonah, and S. J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Anion exchange resins and treating mineral oils. 2,585,652, Feb. 12.

Hasley, Andrew D., Basking Ridge, and F. H. Hibbard, Mountain Lakes, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and circuit for pulsation welding. 2,585,772, Feb. 12.

Hastings, Warren W., Brighton, and R. A. Hunt, Greece, assignors to Rochester Manufacturing Company, Rochester, N. Y. Tire pressure gauge. 2,585,123, Feb. 12.

Hat Corporation of America, assignee: *See*—
Hoffman, Stanley G.

Hazel-Atlas Glass Company, assignee: *See*—
Bromley, Raymond V.

Hazeltine, Leland S., and L. A. Stanfield, Los Angeles, Calif. Gas analysis apparatus. 2,585,314, Feb. 12.

Heehler, Arthur C., assignor to The Pyle National Company, Chicago, Ill. Mounting structure for warning and signaling illumination apparatus. 2,585,653, Feb. 12.

Heidner, Richard C., and W. B. Burkett, Hartford, assignors to West Bend Aluminum Co., West Bend, Wis. Mounting and engine cover mounting for outboard motors. 2,585,774, Feb. 12.

Heisler, Edward A., Folsom, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Production of sodium fluoride. 2,585,387, Feb. 12.

Hemphill Company, assignee: *See*—
St. Pierre, Paul L.

Henckel, Aage F. C., Hellerup, Denmark. Recoil amplifier device. 2,585,775, Feb. 12.

Hendrickson, Carl, executor: *See*—
Anderson, Oliver W.

Hendrickson, Ralph L., Hobbs, N. Mex., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Method and apparatus for coring wells. 2,585,386, Feb. 12.

Henroteau, François C. P., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Concentric optical system. 2,585,009, Feb. 12.

Herman, Rudolph H., assignor of one-half to A. Popham, Jr., Kansas City, Mo. Lawn mower. 2,585,315, Feb. 12.

Heřmánek, Václav, Borovnicka, near Dvur Kralove, assignor of seventy-five per cent to Ceskoslovenske Textilni Zavody, Narodni Podnik, Prague, Czechoslovakia. Method and device for removing impurities by aspiration from rollers of carding machines. 2,585,776, Feb. 12.

Hewlett, Clarence W., Jr., New York, N. Y., assignor to General Electric Company. Saturable core direct current to alternating current converter. 2,585,654, Feb. 12.

Hibbard, Frank H.: *See*—
Hasley, Andrew D., and Hibbard.

Hickman, Clarence N., Jackson Heights, R. F. Mallina, Hastings on Hudson, and F. Reck, Flushing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire connecting tool. 2,585,010, Feb. 12.

Hickok Manufacturing Company, Inc., assignee: *See*—
Vaisey, Harold C., and Meeker.

Hill, Joshua A., Canoga Park, Calif. Egg grading machine. 2,585,124, Feb. 12.

Hills, Elmer G., Chicago, Ill., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ionizing structure. 2,585,777, Feb. 12.

Hirsch, Benjamin L., Ottawa Hills, Ohio. Making fluorescent zinc oxide. 2,585,461, Feb. 12.

Hirsch, Joel H., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Catalytic apparatus. 2,585,462, Feb. 12.

Hjalmar Andren & Soner, assignee: *See*—
Larsson, Joel A. A.

Hobson, Oliver J., Redwood City, Calif. Shock operated fluid valve. 2,585,316, Feb. 12.

Hoe, R., & Co. Inc., assignee: *See*—
Battey, Alfred P.

Hoe, R., & Co. Inc., assignee: *See*—
Burls, John A. E.

Hoffman, Henry H., Jersey City, N. J., assignor to Seal-N-Spout Corporation, New York, N. Y. Nondrip can spout. 2,585,125, Feb. 12.

Hoffman, Stanley G., assignor to Hat Corporation of America, Norwalk, Conn. Sweatband. 2,585,896, Feb. 12.

Hoffmann, Karl, Binningen, and E. Tagmann, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Para-halogenphenyl-pyridyl-alkanones. 2,585,550, Feb. 12.

Hofstadter, Robert, Princeton, N. J. Detecting ionizing radiations. 2,585,551, Feb. 12.

Holland, William M., Indianapolis, Ind. Railroad car for transporting road vehicles. 2,585,126, Feb. 12.

Holman, Emmette R., Pasadena, and J. L. Mathis, Ranchita, assignors to Turco Products, Inc., Los Angeles, Calif. Composition for cleaning aluminum and aluminum alloy surfaces preparatory to spot welding. 2,585,127, Feb. 12.

Holmqvist, Seth A., Appelviken, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Device for transformation of a measuring quantity into movements of adjustable members. 2,585,317, Feb. 12.

Hooks, Arnold D., Washington, D. C. Protective means to prevent double exposure of film magazines. 2,585,246, Feb. 12.

Hoover Company, The, assignee: *See*—
Gardner, Roland H.
Humphrey, Warren A.
Humphrey, Warren A., and Sutton.
Smellie, Donald G.
Sutton, Otis B.
White, Harry B.

Hopkins, Roy S.: *See*—
Schubert, Alvin E., Egan, and Hopkins.

Horine, Charles S., Lexington, Ky. Game board and playing pieces. 2,585,463, Feb. 12.

Horne, Sarah: *See*—
Storrie, Sarah.

Hosbein, Louis H., Glencoe, assignor to M. H. Detrick Company, Chicago, Ill. Refractory curtain. 2,585,552, Feb. 12.

Hotpoint Inc., assignee: *See*—
Miller, Nicholas.

Hotpoint Inc., assignee: *See*—
Schulze, Herman W.

Houdaille-Hershey Corporation, assignee: *See*—
Sandberg, Ray A.

Houlsby, George W., Jr., assignee: *See*—
Carlson, Martin.

Hovden, Haytor, Orstavik, Norway. Washing machine. 2,585,464, Feb. 12.

Howard, Clifford M., Fontana, Calif. Oil well jar. 2,585,318, Feb. 12.

Howe, James A., Wood-Ridge, and M. T. Nevalonny, Farmingdale, assignors to Bendix Aviation Corporation, Teterboro, N. J. Aluminum optical mirror and making same. 2,585,128, Feb. 12.

Hudson, James L., assignor to Kenneth Hudson Foundation, Inc., Detroit, Mich. Mixing faucet. 2,585,247, Feb. 12.

Hudson, Kenneth, Foundation, Inc., assignee: *See*—
Hudson, James L.

Huebner, Francis C., Fresno, Calif. Lattice panel spacer for holding a plurality of lugs in a compact, rigid unit. 2,585,772, Feb. 12.

Huffard, Joe, assignee: *See*—
Dorsey, James E.

Huffman, Max N., Dallas, Tex., assignor to G. D. Searle & Co., Chicago, Ill. Producing steroid esters. 2,585,553, Feb. 12.

Huizenga, Charles B., assignor to The Kawneer Company, Niles, Mich. Lateral arm assembly for aluminum awnings. 2,585,319, Feb. 12.

Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,585,465, Feb. 12.

Humphrey, Warren A., and O. B. Sutton, Canton, assignors to The Hoover Company, North Canton, Ohio. Electric toaster. 2,585,466, Feb. 12.

Hunt, Foy F., Alhambra, Calif. Sack holder. 2,585,320, Feb. 12.

Hunt, Robert A.: *See*—
Hastings, Warren W., and Hunt.

Hutchisson, Clarence L., Jr., and E. H. Cropp, Mobile, Ala.; said Cropp assignor to said Hutchisson, Jr. Metallic eave strip. 2,585,324, Feb. 12.

Huth, Wilbur M., Akron, Ohio. Articulated dancing toy. 2,585,467, Feb. 12.

Hydrocarbon Research, Inc., assignee: *See*—
Cicalese, Michael J.

I-T-E Circuit Breaker Company, assignee: *See*—
Spencer, Nye S.
Thumim, Carl.

Imperial Chemical Industries Limited, assignee: *See*—
Levy, Norman.
Mawer, Frank C.

Imshaug, Arnold L., assignor to Alico, Inc., West Springfield, Mass. Inking roller removal truck for newspaper printing presses. 2,585,325, Feb. 12.

Independent Pneumatic Tool Company, assignee: *See*—
Gillerstrom, Hilmer.
Mitchell, Walter G.

Industrial Clutch Corporation, assignee: *See*—
Eason, Clarence M.

Ingram, George M., Grosse Pointe, Mich. Sandpaper holder. 2,585,655, Feb. 12.

International Construction Corporation Limited, assignee: *See*—
Skinner, Henry J. P.

International Standard Electric Corporation, assignee: *See*—
Allison, John L.
Everett, Kenneth E.
Lalande, Marc A.
Skelton, Dennis E.
Vangeen, Abraham I.

Isacco, Vittorio, London, England. Fuel supply system for helicopter with jet-driven rotor. 2,585,468, Feb. 12.

Jaccarino, Frederick, Stamford, and A. Pinson, Riverside, assignors to Apex Accessories Co., Inc., Greenwich, Conn. Terminal for wristbands for watches. 2,585,326, Feb. 12.

Jackson, Donald R. P., assignor to Molins Machine Company Limited, London, England. Stacking device for workpieces of rectangular block shape. 2,585,554, Feb. 12.

Janecek, Frank H., Cleveland, and R. H. Bahney, Lakewood, assignors to Republic Steel Corporation, Cleveland, Ohio. Liquid seal for gas washers. 2,585,779, Feb. 12.

Jansen, Frank A.: *See*—
Bridenbaugh, Paul K., and Jansen.

Janssen, Emil H.: *See*—
McHale, Clifford B., and Janssen.

Jasco, Incorporated, assignee: *See*—
Sparks, William J., and Thomas.

Jasion, Leo Z.: *See*—
Swaney, Miller W., and Jasion.

Jenny, Walter, Basel, and W. Kern, Sissach, Switzerland, assignors to Ciba Limited. Derivatives of bis-(1-amino-anthraquinone-6-sulfo)-piperazid. 2,585,555, Feb. 12.

Johns-Manville Corporation, assignee: *See*—
Powell, Edward R.

Johnson, Arthur C., H. B. Collins, and O. H. Johnson, Breedsville, Mich.; said A. C. Johnson and said O. H. Johnson assignors to said Collins. Dispensing reel for fishing leaders and the like. 2,585,327, Feb. 12.

Johnson, Carl G. A., Jr., assignor to The Ohio Brass Company, Mansfield, Ohio. Reciprocating valve. 2,585,556, Feb. 12.

Johnson, Clair F., Minneapolis, Minn. Lamp shade frame having a removable cover. 2,585,248, Feb. 12.

Johnson, Clarence, Orfordville, Wis., assignor to Bailey Meter Company. Machine tool control. 2,585,328, Feb. 12.

Johnson, Clarence, Orfordville, Wis., assignor to Bailey Meter Company. Machine tool movement control. 2,585,329, Feb. 12.

Johnson, Elmer C., assignor, by mesne assignments, to The Vendo Company, Kansas City, Mo. Bottle dispensing apparatus. 2,585,011, Feb. 12.

Johnson, Elmer C., assignor, by mesne assignments, to The Vendo Company, Kansas City, Mo. Bottle dispensing apparatus. 2,585,012, Feb. 12.

Johnson, Frank E., Malden, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener. 2,585,897, Feb. 12.

Johnson, Keith W., Arlington, Va. Bob-up toy. 2,585,780, Feb. 12.

Johnson, Keith W., Arlington County, Va. Construction toy. 2,585,781, Feb. 12.

Johnson, Lawrence, Princeton, Minn. Clip for holding electrical conducting wires to insulating supports. 2,585,249, Feb. 12.

Johnson, Oscar A., Pullman, Wash. Prizing tool. 2,585,013, Feb. 12.

Johnson, Oscar B., Kent, Wash. Pop-up sprinkler device. 2,585,782, Feb. 12.

Johnson, Oscar H.: *See*—
Johnson, Arthur C., Collins, and Johnson.

Johnson, Paul R., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of chloromethanes. 2,585,469, Feb. 12.

Johnston, Lawrence H.: *See*—
Sherwin, Chalmers W., and Johnston.

Johnston, Walter S., Emmetsburg, Iowa. Fish lure. 2,585,783, Feb. 12.

Jones, John G., Rochester, N. Y. Alarm mechanism. 2,585,784, Feb. 12.

Jones, John G., and L. A. Ulmschneider, assignors to Eastman Kodak Company, Rochester, N. Y. Machine for applying tape to cylindrical containers. 2,585,250, Feb. 12.

Jones & Laughlin Steel Corporation, assignee: *See*—
Yaeger, Carl M.

Jones, Reuben G., assignor to Eli Lilly and Company, Indianapolis, Ind. Preparation of 2-mercaptoimidazoles. 2,585,388, Feb. 12.

Jones, Roy W., Rochester, N. Y., assignor to Stromberg-Carlson Company. Local and trunk call discriminating system. 2,585,130, Feb. 12.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Controlling means for fluid-operated machines. 2,585,131, Feb. 12.

Josephson, Robert R., Costa Mesa, assignor to Kwikset Locks, Inc., Anaheim, Calif. Template for lock mortises. 2,585,470, Feb. 12.

Juvrud, Merlin O., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. High-voltage rectifier disk. 2,585,014, Feb. 12.

Kaeppler, Eugen, Lenzburg, Switzerland. Device for controlling the speed of motor vehicles. 2,585,785, Feb. 12.

Kagan, William, University City, Mo. Thermostatic heat and fire control. 2,585,656, Feb. 12.

Kahlert, William G., St. Paul, Minn. Sanitary bag for animals. 2,585,251, Feb. 12.

Kalmadge, Charles J., Milwaukee, Wis. Air conditioner and humidifier. 2,585,132, Feb. 12.

Kammerer, Harry J., Mount Vernon, N. Y. Window structure. 2,585,471, Feb. 12.

Kaplan, Arthur M., Hyattsville, Md., and M. Solowey, Washington, D. C., assignors to the United States of America as represented by the Secretary of Agriculture. Treatment of egg whites. 2,585,015, Feb. 12.

Kaplan, Leo I., Detroit, and G. von Reis, Grosse Pointe, assignors to Detroit Broach Company, Detroit, Mich. Work clamping fixture. 2,585,786, Feb. 12.

Katz, Robert E.: *See*—
Vonnegut, Bernard, and Katz.

Kauer, Kenneth C., assignor to The Dow Chemical Company, Midland, Mich. Removal of troublesome fractions from benzene hexachloride. 2,585,898, Feb. 12.

Kaufman, Hiram J., Detroit, Mich. Portable cabinet for dehydrating air. 2,585,787, Feb. 12.

Kawneer Company, The, assignee: *See*—
Huizenga, Charles B.

Kaye, Nathan G., Bradford, R. I. Preparing dentures. 2,585,788, Feb. 12.

Kayser, Daniel, Paris, France, assignor to Societe Anonyme pour les Applications de l'Electricite et des Gaz Rares-Etablissements Claude-Paz et Silva. Machine for depositing a coating along a line on a tube. 2,585,330, Feb. 12.

Kearney, James R., Corporation, assignee: *See*—
Geselschap, Robert A.

Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Shot testing. 2,585,657, Feb. 12.

Keely, Clifford D.: *See*—
Bandura, James, Baisley, Pfeffer, and Keely.

Kehrl, Howard H., assignor to General Motors Corporation, Detroit, Mich. Hydraulic control. 2,585,389, Feb. 12.

Keller, George H., Radburn, N. J., assignor to Curtiss-Wright Corporation. Valve seat insert. 2,585,658, Feb. 12.

Keller, Nellie G. and W. J., St. Louis, Mo. Railway and rolling stock therefor. 2,585,789, Feb. 12.

Keller, William J.: *See*—
Keller, Nellie G., and W. J.

Kelley, Oliver K., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Tank cross drive for steering by variable-speed ratio driving means. 2,585,790, Feb. 12.

Kempthorne, James L., Essex Fells, N. J. Apparatus for spraying particles of insulating material. 2,585,133, Feb. 12.

Kendall, Paul D.: *See*—
Tresise, Raleigh E., and Kendall.

Kennedy, Angus B., deceased, Cincinnati, Ohio; V. A. Kennedy, administratrix of said A. B. Kennedy, assignor to V. A. Kennedy, Cincinnati, Ohio. Rotary transfer valve. 2,585,472, Feb. 12.

Kennedy, Angus B., assignor, by decree of distribution, to V. A. Kennedy, Cincinnati, Ohio. Extraction apparatus and method. 2,585,473, Feb. 12.

Kennedy, Harry E., Berkeley, Calif., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Deck hatch structure. 2,585,134, Feb. 12.

Kennedy, Vera A., administratrix, assignee: *See*—
Kennedy, Angus B.

Kern, Walter: *See*—
Jenny, Walter, and Kern.

Kilpatrick, Myron O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of carbon black from suspension in a gas. 2,585,659, Feb. 12.

King, Martin V., Hammond, Ind. Automobile door handle and lock shield. 2,585,331, Feb. 12.

Kirsten, Kurt F. J., assignee: *See*—
Schneider, George F.

Kjos, Otto B., and H. A. Korda, Pelican Rapids, Minn. Patients' bedease. 2,585,660, Feb. 12.

Klakovich, Joseph, San Pedro, Calif. Adjustable pattern former. 2,585,135, Feb. 12.

Klein, Siegfried, assignor to Société Anonyme dite: Comptoir des Cendres et Metaux Precieux. High-temperature electric resistance oven. 2,585,791, Feb. 12.

Kline, Paul L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for perforating distortable material. 2,585,252, Feb. 12.

Kluson, John E., assignor to Kluson Manufacturing Company, Chicago, Ill. Tailpiece for stringed musical instruments. 2,585,661, Feb. 12.

Kluson Manufacturing Company, assignee: *See*—
Kluson, John E.

Knapp-Monarch Co., assignee: *See*—
Kochner, William B.
Kochner, William B., and McCarron.
Moeller, George L.

Knight, Clarence F., McGrann, assignor of one-half to W. R. Anderson, Kittanning, Pa. Smoking pipe. 2,585,390, Feb. 12.

Knipe, William L., Haverhill, Mass. Shoe. 2,585,391, Feb. 12.

Knutson, Amos T.: *See*—
Morell, Le Grand, and Knutson.

Kochner, William B., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Piercing pin valve construction. 2,585,253, Feb. 12.

Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo. Spraying device. 2,585,254, Feb. 12.

Kochner, William B., and D. F. McCarron, assignors to Knapp-Monarch Company, St. Louis, Mo. Mixer. 2,585,255, Feb. 12.

Kohl, George C., University Heights, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Casting equipment. 2,585,662, Feb. 12.

Kold Hold Manufacturing Company, assignee: *See*—
Burr, Lauren R.

Kollsman, Paul, New York, N. Y. Cartridge for multicolor ball point pens. 2,585,016, Feb. 12.

Koolvent Metal Awning Corporation of America, assignee: *See*—
Korman, Samuel B., and Harrison.

Korda, Henry A.: *See*—
Kjos, Otto B., and Korda.

Korman, Samuel B., and M. Harrison, assignors, by mesne assignments, to Koolvent Metal Awning Corporation of America, Pittsburgh, Pa. Canopy construction. 2,585,256, Feb. 12.

Kostolnik, John P., Whiting, Ind. Bearing for axle boxes. 2,585,017, Feb. 12.

Kramar, John K., Morton Grove, Ill. Throttle and brake control. 2,585,474, Feb. 12.

Kreimendahl, Rodney, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Fastening means for structural sandwiches. 2,585,557, Feb. 12.

Kreitchman, Morton A., Irvington, and J. H. Tanner, Newark, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Time switch. 2,585,018, Feb. 12.

Krick, Charles: *See*—
Rice, James C., and Krick.

Kroener, Elmo H., Franklin, assignor, by mesne assignments, to The Third National Bank and Trust Company of Dayton, Dayton, Ohio. Commutator assembling machine. 2,585,792, Feb. 12.

Kropa, Edward L.: *See*—
Padbury, John J., and Kropa.

Kruse, Norman F., Decatur, assignor to Central Soya Company, Inc., Fort Wayne, Ind. Soybean treating process. 2,585,793, Feb. 12.

Kuchler, George T., Brooklyn, N. Y. Cold air retaining device for refrigerators. 2,585,136, Feb. 12.

Kurland, William, Great Neck, N. Y. Brassière. 2,585,137, Feb. 12.

Kurshan, Jerome, Princeton, N. J., and L. P. Smith, Ithaca, N. Y., assignors to Radio Corporation of America. Magnetron. 2,585,794, Feb. 12.

Kurtz, Andrew, Allentown, Pa. Antiskid device. 2,585,795, Feb. 12.

Kurtz, Edward J.: *See*—
Bruins, Paul F., and Kurtz.

Kwikset Locks, Inc., assignee: *See*—
Josephson, Robert R.

Kymin Osakeyhtio-Kymmene Aktiebolag: *See*—
Sevón, Johan W., and Sundman.

Lacey, Eleanor E.: *See*—
Harkness, Reed B., and Lacey.

Lakso, Eino E., Fitchburg, Mass. Article counting and filling. 2,585,558, Feb. 12.

Lakso, Eino E., Fitchburg, Mass. Multiple line article aligning device. 2,585,559, Feb. 12.

Lalands, Marc A., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Voice frequency signaling circuit. 2,585,019, Feb. 12.

Lambou, Madeline G.: *See*—
Altschul, Aaron M., Condon, and Lambou.

Lamm, Uno, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Protection of static current converter installations. 2,585,796, Feb. 12.

Landgraf, George F., Pittsburgh, assignor to Trion, Inc., McKees Rocks, Pa. Air nozzle and ionizing unit for electrostatic air filters. 2,585,138, Feb. 12.

Langlois, Gordon E., El Cerrito, assignor to California Research Corporation, San Francisco, Calif. Catalysis of alkyl aromatic isomerization. 2,585,899, Feb. 12.

Lapointe Machine Tool Company, The, assignee: *See*—
Phaneuf, Wilrose J.

Larson, Leonard: *See*—
Le Viseur, Kurt G., and Larson.

Larsson, Joel A. A., Uppsala, assignor to Hjalmar Andren & Soner, Stockholm, Sweden. Metal spraying gun. 2,585,560, Feb. 12.

Lattuca, John, Brooklyn, N. Y. Receptacle comb. 2,585,561, Feb. 12.

Laubly, Richard, Westport, Conn. Slingshot. 2,585,663, Feb. 12.

Law, Russell R., Princeton, and F. H. Norman, Cranbury, N. J., assignors to Radio Corporation of America. Beam deflection tube amplifier. 2,585,798, Feb. 12.

Lawrance, Richard B., and J. L. Middleton, Jr., assignors to National Research Corporation, Cambridge, Mass. High-vacuum pump. 2,585,139, Feb. 12.

Lawrence, Glenn A., Belfast, Maine. Apparatus for smoking fish. 2,585,799, Feb. 12.

Lee, Helen, Los Angeles, Calif. Halter and brassière. 2,585,257, Feb. 12.

Lee, William H., Chagrin Falls, and E. D. Smith, Shaker Heights, assignors to The Electric Products Company, Cleveland, Ohio. Direct reading eddy current dynamometer. 2,585,475, Feb. 12.

Leeder, Emmitt I.: *See*—
Sommer, Walter L., Leeder, and Collins.

Lees, Gerald M.: *See*—
Lessard, James H.
Lessard, James H., and Lees.

Leland, Wallace T.: *See*—
Thompson, Robert W., and Leland.

Le May, Ernest D., Birmingham, Ala., and E. K. White, Owensboro, Ky. Boat lift. 2,585,664, Feb. 12.

Lencki, Joseph, Chicago, Ill. Balancing wheel-tire assemblies. 2,585,140, Feb. 12.

Lennon, Frances A., heir, trustee, assignee: *See*—
Baskerville, Benjamin J.

Leonard Electric Products Corp., assignee: *See*—
Romero, Robert.

Lerner, Max M., and N. P. Weinheimer, Brooklyn, N. Y. Container for knitting and knitting accessories. 2,585,476, Feb. 12.

Le Roi Company, assignee: *See*—
Bouvy, Christian H.

Leslie, John H., II, and W. A. Marshall, Jr., Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill. Thermostatic control for hot-water heaters and the like. 2,585,477, Feb. 12.

Lessard, James H., and G. M. Lees, Seattle, Wash.; said Lees assignor to said Lessard. Making cracked ice. 2,585,020, Feb. 12.

Lessard, James H., and G. M. Lees, Seattle, Wash.; said Lees assignor to said Lessard. Production of chip ice from sea water. 2,585,021, Feb. 12.

Lesser, Herman J., Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America. Treatment of viscose products. 2,585,141, Feb. 12.

Letrilliart, Pierre, and L. Galzin, Jeumont, Nord, assignors to Forges & Ateliers de Constructions Electriques de Jeumont, Paris, France. Monopolyphase frequency converter group. 2,585,392, Feb. 12.

Le Viseur, Kurt G., Youngstown, and L. Larson, Shaker Heights, assignors to Republic Steel Corporation, Cleveland, Ohio. Bleeder and equalizer for blast furnaces. 2,585,800, Feb. 12.

Levitt, Joseph I., Miami Beach, Fla. Sport shirt or like garment. 2,585,142, Feb. 12.

Levy, Norman, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of olefin oxides. 2,585,478, Feb. 12.

Levy, Norman, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of olefin oxides. 2,585,479, Feb. 12.

Lewis, Elisha B., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Latex foam stabilized with ethyl orthosilicate and ammonia. 2,585,143, Feb. 12.

Lewis, Elmer F., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Ringing current supply system for telephones. 2,585,022, Feb. 12.

Lewis, Elmer F., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Testing equipment for automatic telephone systems. 2,585,023, Feb. 12.

Lewis, Willard D., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,585,562, Feb. 12.

Lewis, Willard D., Little Silver, and W. W. Mumford, Atlantic Highlands, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,585,563, Feb. 12.

Libman, Earl E., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Control system for taxicab meters. 2,585,665, Feb. 12.

Lieuwen, Pete, New Holland, S. Dak. Liquid dispenser. 2,585,801, Feb. 12.

Lilly, Eli, and Company, assignee: *See*—
Jones, Reuben G.

Lincoln Rochester Trust Company, executor: *See*—
Schubert, Alvin E., Egan, and Hopkins.

Lindenblad, Nils E.: *See*—
Hansell, Clarence W., and Lindenblad.

Linn, William J., Pittsburgh, Pa. Filter and vapor lock controller. 2,585,797, Feb. 12.

Lionel Corporation, The, assignee: *See*—
Bonanno, Joseph L.

Ljunggren, Thor H.: *See*—
Bryant, William J., Ljunggren, and Moore.

Lockheed Aircraft Corporation, assignee: *See*—
Kreimendahl, Rodney.
Messinger, Bernard L., and Cousins.

Loewe, Peter L., Chicago, Ill. Balancing wheels. 2,585,802, Feb. 12.

Logan, Frank G., Yonkers, N. Y., assignor, by mesne assignments, to Vickers Incorporated, Detroit, Mich. Electric controlling apparatus. 2,585,332, Feb. 12.

Logan, John W., Jr., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Railway traffic controlling apparatus. 2,585,144, Feb. 12.

Longley, Raymond I., Jr.: *See*—
Emerson, William S., and Longley.

Longmire, Conrad L., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse width discriminator circuit. 2,585,803, Feb. 12.

Louisiana State University and Agricultural and Mechanical College, Board of Supervisors of, assignee: *See*—
Rusoff, Louis L., and Gelpi.

Loveridge, Lawrence E.: *See*—
Skellett, Albert M., and Loveridge.

Lübeck, Carl H. O., Stockholm, Sweden. Closure for tanks containing battery cells. 2,585,564, Feb. 12.

Luck, David G. C., Princeton, N. J., assignor to Radio Corporation of America. Indicating system. 2,585,565, Feb. 12.

Lukasiewicz, Sigmund J.: *See*—
Hartough, Howard D., Caesar, and Lukasiewicz.

Lukens, C. Dewitt, Surgical Manufacturing Company, The, assignee: *See*—
Harkness, Reed B., and Lacey.

Lundberg, John E., Lynn, Mass., assignor to General Electric Company. Temperature compensated floated gyroscope. 2,585,024, Feb. 12.

Lundstrom, Carl B., Little Falls, N. Y. Typewriter cabinet. 2,585,566, Feb. 12.

Lundstrom, Edward W.: *See*—
Palmquist, Marvin E., and Lundstrom.

Lustig, Frank, Chicago, Ill., assignor to Revere Camera Company. Base for motion-picture projectors. 2,585,258, Feb. 12.

Luwa, S. A., assignee: *See*—
Andermatt, Carl.

Lyle, John P., Jr., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Plastic alloy which sets at room temperature. 2,585,393, Feb. 12.

Lynam, John E., and L. Brown, Nottingham, assignors to William Cotton Limited, Loughborough, Leicestershire, England. Straight bar knitting machine. 2,585,804, Feb. 12.

Lyon, Floyd A.: *See*—
Halahan, John, Aronson, and Lyon.

Lyon Industries, Inc., assignee: *See*—
Reynolds, Donald.

Maag-Zahnrader und-Maschinen Aktiengesellschaft, assignee: *See*—
Aeppli, Albert.

Mabrey, Lawson C., Tulsa, Okla. Rotary impact delivery means for socket wrenches. 2,585,333, Feb. 12.

Macdonald, Alexander J., Buffalo, N. Y., assignor to National Steel Corporation. Blast furnace. 2,585,394, Feb. 12.

MacDonald, Leslie A., Bellerose, and R. B. Mancke, Green Acres, N. Y., assignors to American District Telegraph Company, Jersey City, N. J. Single pulse generator. 2,585,805, Feb. 12.

Macfarlane, James C. and W. I., Cathcart, Glasgow, Scotland. Synchronous dynamoelectric machine. 2,585,145, Feb. 12.

Macfarlane, William I.: *See*—
Macfarlane, James C., and W. I.

Mack, Charles, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Elastic and fibrous building composition. 2,585,806, Feb. 12.

Mackechnie, James G., Jr., Springfield, Mass. Wire stitching apparatus. 2,585,807, Feb. 12.

Mackey, Donald: *See*—
Achenbach, John C., Tourshou, and Mackey.

Macoy, Eugene W.: *See*—
Odquist, Harold T., and Macoy.

Maiorany, Robert T., Bronx, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Restraining springs for rate gyroscopes. 2,585,146, Feb. 12.

Mair, Jesse K.: *See*—
Gillespie, Robert N., Mair and McNally.

Makhonine, Jean, Paris, France. Device for changing the loading of aircraft wings. 2,585,480, Feb. 12.

Makkonen, Osmo, Helsinki, Finland. Water purification apparatus. 2,585,808, Feb. 12.

Male, Herman A., Brighton, assignor to Gleason Works, Rochester, N. Y. Loading mechanism for gear producing machines. 2,585,809, Feb. 12.

Mallina, Rudolph F.: *See*—
Hickman, Clarence N., Mallina, and Reck.

Mallinckrodt, George E., St. Louis, Mo. Valveless pulse jet engine having electric arc heating means. 2,585,810, Feb. 12.

Mancke, Richard B.: *See*—
MacDonald, Leslie A., and Mancke.

Marconi, Joseph, assignee: *See*—
Thomas, Orrin H., and Snyder.

Marin, Rafael, Bronx, N. Y. Combination brassière slip. 2,585,567, Feb. 12.

Markle, Carl F., Pennsboro, W. Va. Metal awning. 2,585,147, Feb. 12.

Marks, Henry C., Glen Ridge, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. Y. Electrochemical method of automatically determining available chlorine in an aqueous liquid. 2,585,811, Feb. 12.

Marschke, Berthold V., Lucca, N. Dak. Baseball game board with sliding panel. 2,585,259, Feb. 12.

Marshall, Allan, Whiting, Ind. Combination smoker's pipe and bowl cleaner therefor. 2,585,812, Feb. 12.

Marshall, Marcus W., and J. H. Waxweiler, assignors to Armco Steel Corporation, Middletown, Ohio. Electric cladding. 2,585,568, Feb. 12.

Marshall, William A., Jr.: *See*—
Leslie, John H., II, and Marshall.

Marti, Beatrice G., assignee: *See*—
Simon, Arthur.

Martin, Edward J., Pleasant Ridge, and J. E. Wilson, assignors to General Motors Corporation, Detroit, Mich. Gun sight mounting. 2,585,395, Feb. 12.

Martin, Harold F., Milwaukee, Wis., assignor to The Rockwell Manufacturing Company, Pittsburgh, Pa. Drilling machine. 2,585,025, Feb. 12.

Martin, José S., Buenos Aires, Argentina. Gramophone tone arm moving device. 2,585,396, Feb. 12.

Martin, Louis G., San Antonio, Tex. Vehicle actuated gate. 2,585,481, Feb. 12.

Mason-Neilan Regulator Company, assignee: *See*— Robins, John W.

Mathieson Chemical Corporation, assignee: *See*— Haller, John F.

Mathis, Justine L.: *See*— Holman, Emmette R., and Mathis.

Matteson, Elwin A., assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Hydraulic control for finishing rolls of terne plate rigs. 2,585,482, Feb. 12.

Mawer, Frank C., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Production of ethylene oxide. 2,585,483, Feb. 12.

Maytag Company, The, assignee: *See*— Smith, Thomas R.

McCarron, Donald F.: *See*— Kochner, William B., and McCarron.

McCauley, Myron D., Huntington Woods, assignor to Rinshed-Mason Company, Detroit, Mich. Closure for paint cans. 2,585,334, Feb. 12.

McCollum, William, Jr., Westfield, and J. M. Wallace, Rahway, N. J., assignors to Tingley Reliance Rubber Corporation. Automobile fender flap clamp. 2,585,397, Feb. 12.

McCoy, Paul E., assignor, by mesne assignments, to American Bitumuls & Asphalt Company, San Francisco, Calif. Quick-breaking bituminous emulsion. 2,585,336, Feb. 12.

McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning box hub. 2,585,148, Feb. 12.

McDermott, John P., Roselle, N. J., assignor to Standard Oil Development Company. Hydrocarbon oil composition. 2,585,813, Feb. 12.

McDonald, Ward A., Pontiac, Mich. Control means for the throttle valves of internal-combustion engines. 2,585,814, Feb. 12.

McDowell, Thomas E., assignors to The Pyle-National Company, Chicago, Ill. Distribution unit for ventilating systems. 2,585,666, Feb. 12.

McGarry, Leo J., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Boot and the like. 2,585,260, Feb. 12.

McGill, Daniel F., assignor to D. W. Green, Portland, Oreg., trustee. Power transmission system. 2,585,149, Feb. 12.

McGill, Daniel F., Portland, Oreg. Ladder step. 2,585,150, Feb. 12.

McGlynn Hays Industries, Inc., assignee: *See*— Norcross, Gilbert F.

McGowan, Douglas C.: *See*— Elwell, William E., and McGowan.

McGowan, Kenneth J. J., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Locking apparatus. 2,585,151, Feb. 12.

McGraw Electric Company, assignee: *See*— Van Ryan, Anthony.

McHale, Clifford B., and E. H. Janssen, Torrington, Wyo., said Janssen assignor to said McHale. Packaging machine. 2,585,335, Feb. 12.

McIlwraith, John W., New Castle, Pa. Leg support for vehicle drivers. 2,585,398, Feb. 12.

McKinley, Joseph B., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Destructive hydrogenation of hydrocarbon oils with molybdenum oxide catalyst. 2,585,337, Feb. 12.

McLintock, Duncan M., Kilmacolm, Scotland. Injection syringe. 2,585,815, Feb. 12.

McNally, Christopher J.: *See*— Gillespie, Robert N., Mair, and McNally.

Mead, Howard C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Spot lamp mirror. 2,585,399, Feb. 12.

Mendor, Horace C., Houston, assignor to South Houston Machine Company, South Houston, Tex. Valve assembly. 2,585,667, Feb. 12.

Meares, Lillian J., Rutherford, N. J., assignor to Venus Corporation, New York, N. Y. Bust supporter. 2,585,338, Feb. 12.

Medlar, Lewis A.: *See*— Godshalk, James B., and Medlar.

Meeker, William H.: *See*— Valsey, Harold C., and Meeker.

Melklejohn, William H., Lynnfield Center, Mass., assignor to General Electric Company. Magnetic hardness testing and sorting. 2,585,668, Feb. 12.

Meneely Bell Company, assignee: *See*— Meneely, Clinton, and Miller.

Meneely, Clinton, and A. W. Miller, assignors to Meneely Bell Company, Troy, N. Y. Electric bell striking device. 2,585,569, Feb. 12.

Menes, Herman C., Wyckoff, N. J., assignor to Fairchild Camera & Instrument Corporation, Jamaica, N. Y. Making high-frequency transmission line. 2,585,484, Feb. 12.

Mentley, Max B., assignor to National Broach & Machine Company, Detroit, Mich. Gear-finishing method. 2,585,261, Feb. 12.

Merchant, Jacob B., Red Oak, Iowa. Gate. 2,585,152, Feb. 12.

Merck & Co., Inc., assignee: *See*— Woodruff, Harold B.

Merrell, Wm. S., Company, The, assignee: *See*— Wheeler, Keith W., and Gash.

Mertzweiller, Joseph K., Baton Rouge, La., assignor to Standard Oil Development Company. Metal treatment of oxo alcohols. 2,585,816, Feb. 12.

Messinger, Bernard L., Los Angeles, and H. M. Cousins, Tujunga, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft pressurizing and cooling system. 2,585,570, Feb. 12.

Metals & Controls Corporation, assignee: *See*— Vaughan, Victor G., Schaefer, and Wood.

Metcalf, Lee A., Fairgrove, Mich. Cultivator attachment. 2,585,669, Feb. 12.

Metz, Christopher, Baldwin, N. Y. Polarized electromagnetic shuffleboard. 2,585,153, Feb. 12.

Metz, Samuel T., New York, assignor to Treo Co. Inc., Jamaica, N. Y. Girdle. 2,585,262, Feb. 12.

Michaelis, Wolfgang M., assignor to The General Electric Company Limited, London, England. Apparatus for generating repeated electric pulses. 2,585,817, Feb. 12.

Middlemark, Marvin P., Woodside, N. Y. Television and high-frequency antenna systems. 2,585,670, Feb. 12.

Middleton, John L., Jr., assignee: *See*— Lawrance, Richard B., and Middleton.

Miller, Alf W.: *See*— Meneely, Clinton, and Miller.

Miller, Franklin S., Elmwood Park, Ill. Kite string reel. 2,585,263, Feb. 12.

Miller, Gustave L., Geneseo, Ill. Deodorizer apparatus and germ destroyer. 2,585,339, Feb. 12.

Miller, Nicholas, Berwyn, Ill., assignor to Hotpoint, Inc. Temperature control device. 2,585,340, Feb. 12.

Miller, Raymond J., Detroit, Mich. Distortable fastener. 2,585,485, Feb. 12.

Mingasson, Georges, assignor to Societe Anonymie de Matieres Colorantes et Produits Chimiques Francolor, Paris, France. Benzothiazole-2-dimethylsulfinamide and preparing the same. 2,585,155, Feb. 12.

Mining Process and Patent Company, assignee: *See*— Bailey, Thomas S., Jr.

Minneapolis-Honeywell Regulator Company, assignee: *See*— Baak, Albert E. Shivers, Paul F.

Mississippi Valley Research Laboratories, Inc., assignee: *See*— Doelling, George L., and Adams.

Mitchell, Walter G., assignor to Independent Pneumatic Tool Company, Aurora, Ill. Impact type clutch. 2,585,486, Feb. 12.

Mochel, John M., Oak Ridge, Tenn., assignor to Corning Glass Works, Corning, N. Y. Making compositions of tin oxide. 2,585,341, Feb. 12.

Mock, Henri L., Garfield Heights, Ohio. Eyecup attachment for containers. 2,585,264, Feb. 12.

Moeller, George L., assignor, by mesne assignments, to Knapp-Monarch Co., St. Louis, Mo. Fan blade structure. 2,585,265, Feb. 12.

Moen, Rolf, and M. S. Dalquist, Minneapolis, Minn., assignors to General Mills, Inc. Grain handling. 2,585,026, Feb. 12.

Mohr, Milton E., Pacific Palisades, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse repeater. 2,585,571, Feb. 12.

Molins, Desmond W., and F. F. Ruan, Deptford, assignors to Molins Machine Company Limited, London, England. Tobacco feeding device with suction devices. 2,585,572, Feb. 12.

Molins Machine Company Limited, assignee: *See*— Jackson, Donald R. P. Molins, Desmond W., and Ruau.

Monarch Machine Tool Co., The, assignee: *See*— Bickel, Clifford A., Brandenburg, and Foster.

Mono-Cam Limited, assignee: *See*— Friedlander, William.

Monsanto Chemical Company, assignee: *See*— Emerson, William S., and Longley. Yates, William F.

Montgomery, George E., assignor to Crane Packing Company, Chicago, Ill. Drive for rotary mechanical seals with O rings. 2,585,154, Feb. 12.

Montross, Eugene E., assignor to The Polymer Corporation, Reading, Pa. Forming nylon strip stock. 2,585,156, Feb. 12.

Moore Business Forms, Inc., assignee: *See*— Winston, Rodney W.

Moore, Dwight W., McKees Rocks, Pa. Toolholder. 2,585,487, Feb. 12.

Moore, Earl K., Manchester, and A. P. Edson, Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Joining metal parts. 2,585,819, Feb. 12.

Moore, Edmund L., Agawam, Mass. Belt-supporting device. 2,585,157, Feb. 12.

Moore, Willis F.: *See*— Bryant, William J., Ljunggren, and Moore.

Moore, Willis F., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Variable frequency power supply system. 2,585,573, Feb. 12.

Moravec, Josef, Mala Chuchle, Czechoslovakia. Device for generation of high pressure. 2,585,818, Feb. 12.

Morcaldi D', Rosaria F., East Boston, Mass. Flexible ladder. 2,585,671, Feb. 12.

Morell, Le Grand and A. T. Knutson, Midland, Mich., assignors to The Dow Chemical Company. Lubricating composition. 2,585,820, Feb. 12.

Morgan, Gorton P., Westport, Conn. Pen supporting head for replaceable ink containers. 2,585,488, Feb. 12.

Morgan, William H., Glendale, Calif. Clubfoot splint. 2,585,342, Feb. 12.

Morgenthaler, Gottlieb J., Philadelphia, Pa. Automobile body repair tool. 2,585,158, Feb. 12.

Morley, James C., Seattle, Wash. Cable reel. 2,585,159, Feb. 12.

Morris Paper Mills, assignee: *See*— Arneson, Lawrence E.

Morton, Clyde M., Hawthorne, Calif. Feeder for fowl. 2,585,400, Feb. 12.

Mossberg, O. F., & Sons, Inc., assignee: *See*— Benson, Carl H.

Mosse, Pierre, Lyon, assignor to Societe Rhodiaceta, Paris, France. Plastic compositions of acrylonitrile polymers. 2,585,672, Feb. 12.

Motorola, Inc., assignee: *See*— Everitt, William L.

Moynahan Bronze Company, assignee: *See*— Cudini, Roger G.

Mueller, Herbert H., Winchester, Mass., assignor to E. F. Drew & Co., Inc., New York, N. Y. Reconstruction of glyceride oils. 2,585,027, Feb. 12.

Mueller, Paul G., Los Angeles, Calif. Liquid measuring and dispensing. 2,585,821, Feb. 12.

Müller, Theodor, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Radial pump and radial motor hydraulic transmission. 2,585,574, Feb. 12.

Mumford, William W.: *See*— Lewis, Willard D., and Mumford.

Munn, John R., Silver Creek, Minn. Bricklayer's guide. 2,585,160, Feb. 12.

Murray, Russell T., El Cerrito, and F. Viti, San Francisco, assignors to Grove Regulator Company, Oakland, Calif. Pressure welding machine. 2,585,266, Feb. 12.

Murray, Victor E., assignor of 60 per cent to C. H. Reedy, Cincinnati, Ohio. Passenger car type two-speed axle. 2,585,028, Feb. 12.

Muskat, Irving E., and R. H. Taylor, Plainfield, N. J., assignors to The Vulcan Detinning Company. Recovering tin in the form of tin sulfide from a low-grade unreduced tin ore. 2,585,161, Feb. 12.

Myers, Albert F., Berkley, assignor to Patent Developers, Inc., Detroit, Mich. Shackle and mounting therefor. 2,585,489, Feb. 12.

Myers, Louis, Rockford, Ill. Receptacle holder for electric drink mixers. 2,585,822, Feb. 12.

Nathan Manufacturing Company, assignee: *See*— Folke, Bengt E.

National Brass Company, assignee: *See*— Quigley, Herbert.

National Broach & Machine Company, assignee: *See*— Mentley, Max B. Praeg, Walter S.

National Equipment Corporation, assignee: *See*— Guggenheim, Max M. Guggenheim, Max M., and Greenberg. Perkins, George S.

National Rejectors, Inc., assignee: *See*— Adams, Clifford B., and Wallin.

National Research Corporation, assignee: *See*— Lawrance, Richard B., and Middleton.

National Southern Products Corporation, assignee: *See*— Bruins, Paul F., and Kurtz.

National Steel Corporation, assignee: *See*— Macdonald, Alexander J.

National Union Radio Corporation, assignee: *See*— Skellett, Albert M., and Loveridge.

Navy, United States of America as represented by the Secretary of the, assignee: *See*— Young, Carl T.

Nedergaard, Hans C. G. R., Holbaek, Denmark. Safety valve with spring loaded diaphragm. 2,585,575, Feb. 12.

Nelson, Joseph F.: *See*— Banes, Fred W., Fitz Gerald, and Nelson.

Nettel, Frederick, Manhasset, N. Y. Self-powered turbo-supercharger starter system for internal-combustion engines. 2,585,029, Feb. 12.

Neu, Ernest L.: *See*— Bollaert, Armand R., and Neu.

Nevalonny, Michael T.: *See*— Howe, James A., and Nevalonny.

Newcombe, Frank A.: *See*— Whitmore, James B., and Newcombe.

Newlon, George R., Jr., Point Pleasant, W. Va. Flange holding clamp. 2,585,343, Feb. 12.

Newton, Catherine H., assignee: *See*— Brandon, Clarence W.

Nicolin, Curt, O. A. Wiberg, and F. E. O. Östmar, assignors to Svenska Turbinfabriks Aktiebolaget Ljungstrom, Finspong, Sweden. Gas turbine unit for driving electric generators. 2,585,576, Feb. 12.

Nielsen, Andreas C., East Cleveland, Ohio. Detachably retaining machine elements and mechanisms. 2,585,577, Feb. 12.

Niemann, Frederick A., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Decimal indicator. 2,585,578, Feb. 12.

Nilsen, Nils D.: *See*— Edwin, Emil, and Nilsen.

Norcross, Gilbert F., West Caldwell, assignor to McGlynn Hays Industries, Inc., Belleville, N. J. Speed controller for spinning machines. 2,585,823, Feb. 12.

Norden, Carl L., New York, assignor to The Norden Laboratories Corporation, White Plains, N. Y. Microwave antenna and mounting and stabilizing means therefor. 2,585,579, Feb. 12.

Norden Laboratories Corporation, The, assignee: *See*— Norden, Carl L.

Norman, Frank H.: *See*— Law, Russell R., and Norman.

Norris, Henry D.: *See*— Trigg, Hastings S., Norris, and White.

Northcutt, Harold M., assignee: *See*— Walker, Arthur W.

Nosker, Paul W., Yellow Springs, Ohio. Apparatus for launching aerial torpedoes from aircraft. 2,585,030, Feb. 12.

Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Coordinated turn controller for automatic pilot systems. 2,585,162, Feb. 12.

Noyes, Everett E., Warrensville, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electric switch. 2,585,824, Feb. 12.

Nulty, William B., trustee, assignee: *See*— Shepard, Ernest L.

Nyrop, Johan E., Hellerup, by Copenhagen, Denmark. Drying, concentrating by evaporation, or distilling heat-sensitive substances. 2,585,825, Feb. 12.

Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Conveying apparatus for beheaded fish. 2,585,267, Feb. 12.

Odquist, Harold T., Yonkers, N. Y., and E. W. Macoy, Old Greenwich, Conn., assignors to American Can Company, New York, N. Y. Machine for electrically sealing fiber containers. 2,585,031, Feb. 12.

Ohio Brass Company, The, assignee: *See*— Johnson, Carl G. A., Jr.

Oilgear Company, The, assignee: *See*— Douglas, James K.

Olsen, John L., Upland, assignor to Sun Oil Company, Philadelphia, Pa. Continuous adsorption process. 2,585,490, Feb. 12.

Olsen, John L., Upland, assignor to Sun Oil Company, Philadelphia, Pa. Continuous adsorption process. 2,585,491, Feb. 12.

Olsen, John L., Upland, assignor to Sun Oil Company, Philadelphia, Pa. Continuous adsorption process. 2,585,492, Feb. 12.

Olsen, Paul, Los Angeles, Calif. Game board and multiple elements therefor. 2,585,268, Feb. 12.

Olsen, Robert T., Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Carbamate-quaternary ammonium compounds and their preparation. 2,585,826, Feb. 12.

Onyx Oil & Chemical Company, assignee: *See*— Shelanski, Herman A.

Oppit, Jan, Prague-Nusle, Czechoslovakia. Stabilizing ascorbic acid with thio-sugars. 2,585,580, Feb. 12.

Osborne, Fred H., Snyder, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Wall box for remote control systems. 2,585,401, Feb. 12.

Östmar, Frans E. O.: *See*— Nicolin, Curt, Wiberg, and Östmar.

Ottersland, Peter N., Watertown, N. Y. Disk chipper with horizontally inclined rotary axes. 2,585,673, Feb. 12.

Overend, Samuel C., Cincinnati, Ohio. Window construction. 2,585,581, Feb. 12.

Owen, Emily M., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Destroying pests comprising the application of the dibutyl acetal of aminoacetaldehyde to the pest. 2,585,493, Feb. 12.

Owen, Lloyd J., Concord, assignor to Communication Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Article transfer arrangement. 2,585,674, Feb. 12.

Owens-Illinois Glass Company, assignee: *See*— Gronemeyer, Erich, and Cherba.

Padbury, John J., Stamford, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Resinous compositions and preparing the same. 2,585,827, Feb. 12.

Page, Claude M.: *See*— Gasner, Leonard C., and Page.

Palmquist, Marvin E., and E. W. Lundstrom, assignors to A. F. Wintercorn, Rockford, Ill. Bottle carrier. 2,585,032, Feb. 12.

Palotsee, John J., Youngstown, Ohio. Blade for hones. 2,585,402, Feb. 12.

Pangborn Corporation, assignee: *See*— Keefer, Walter L.

Panoramic Laboratories, assignee: *See*— Wallace, Marcel.

Paravox, Inc., assignee: *See*— Treise, Raleigh E., and Kendall.

Parker, Kirtley, Panama City, Fla. Drain valve. 2,585,675, Feb. 12.

Patent Developers, Inc., assignee: *See*— Myers, Albert F.

Paul, Benjamin F., deceased, Elwood, Ind.; M. H. Paul, administratrix of said B. F. Paul. Casket seal structure. 2,585,403, Feb. 12.

Paul, Mildred H., administratrix: *See*— Paul, Benjamin F.

Pearson, Alan H., assignor to Pearson, Inc., Detroit, Mich. Rotary indexing fixture. 2,585,828, Feb. 12.

Pearson, Inc., assignee: *See*— Pearson, Alan H.

Pease, Donald C., and C. T. Handy, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic linear polyamides. 2,585,163, Feb. 12.

Pellman, Joseph A.: *See*— Turner, John R., and Pellman.

Pelto, Aade, Aurora, Minn. Fish lure. 2,585,494, Feb. 12.

Pelton Water Wheel Company, The, assignee: *See*— White, Ira M.

Perkins, Cories M., Sr., Rutherford, assignor to Bendix Aviation Corporation, Teterboro, N. J. Radio navigation system. 2,585,164, Feb. 12.

Perkins, George S., assignor to National Equipment Corporation, New York, N. Y. Conveyer mechanism for confectionery machines. 2,585,829, Feb. 12.

Perruca, Felix, Saint-Etienne, assignor to Societe des Fabrications Unicum, Paris, France. Automatic axial pressure device applicable to friction drives. 2,585,830, Feb. 12.

Pest Control Limited, assignee: *See*— Duapiva, Franz.

Peters, Lewis M., assignor to Ferro-Glo Corporation, Erie, Pa. Composition for removing corrosion reaction products from metals. 2,585,165, Feb. 12.

Petersen, Lowell W., assignor to Swift & Company, Chicago, Ill. Degasification of liquids. 2,585,831, Feb. 12.

Pfeffer, Joseph: *See*— Bandura, James, Baisley, Pfeffer, and Keely.

Pfuntner, Richard A.: *See*— Sinks, Allen T., Pfuntner, and Gabrielson.

Phaneuf, Wilrose J., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Burnishing device for preformed channels. 2,585,166, Feb. 12.

Phaneuf, Wilrose J., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Surface broach. 2,585,832, Feb. 12.

Philadelphia Quartz Company, assignee: *See*— Wills, John H.

Philco Corporation, assignee: *See*— Creamer, Edgar M., Jr.

Phillips, Marshall W., Lima, Ohio. Engine crankcase scavenging apparatus. 2,585,495, Feb. 12.

Phillips Petroleum Company, assignee: *See*— Claassen, Howard H., and Beu. Kilpatrick, Myron O. Pitzer, Emory W. Whitney, William B.

Picanol, Jaime, Ypres, Belgium. Letoff mechanism for looms. 2,585,167, Feb. 12.

Pierce, Earl W., Chicago, Ill., assignor to United States Steel Company. Device for introducing solid materials into molten metals. 2,585,404, Feb. 12.

Pierce, Harold C., Pomona, Calif. Boxed produce carloading. 2,585,269, Feb. 12.

Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron gun. 2,585,582, Feb. 12.

Pierce, Robert E., San Jose, Calif. Trap. 2,585,833, Feb. 12.

Pillsbury Mills, Inc., assignee: *See*— Wagner, George B.

Pinkney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenated butadiene-acrylonitrile copolymer. 2,585,583, Feb. 12.

Pinson, Alfred: *See*— Jaccarino, Frederick, and Pinson.

Pirie, Norman W.: *See*— Hadidian, Zareh, and Pirie.

Pitzer, Emory W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reactivation of a dehydrogenation catalyst. 2,585,033, Feb. 12.

Plath, Robert, Seattle, Wash., assignor to Boeing Airplane Company. Adjustable jet nozzle for aircraft propulsion. 2,585,270, Feb. 12.

Platts, Howard H., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Compressor control circuit. 2,585,168, Feb. 12.

Plaziak, Lawrence, Rice, Minn. Stern for outboard motorboats. 2,585,344, Feb. 12.

Pocock, Merton A., Minneapolis, Minn. Laundry flat piece spreader. 2,585,834, Feb. 12.

Poisson-Quinton, Philippe, Paris, France. Aircraft wing and flap with boundary layer control. 2,585,676, Feb. 12.

Politzer, Irving, New York, N. Y. Book display device. 2,585,586, Feb. 12.

Pollard-Alling Manufacturing Company, assignee: *See*— De Minico, Frank.

Pollock, Frank S., Jr., Martinsville, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Yarn package and winding. 2,585,584, Feb. 12.

Pollock, Willard M., Short Hills, N. J., assignor to American Type Founders, Inc. Printing press drive. 2,585,585, Feb. 12.

Polymer Corporation, The, assignee: *See*— Montross, Eugene E.

Popham, Arthur, Jr., assignee: *See*— Herman, Rudolph H.

Popkin, Alexander H.: *See*— Smith, Paul V., Jr., and Popkin.

Potter, Clarence J., Fullerton, assignor to Triangle Grain Company, Bellflower, Calif. Motor-operated material handling equipment. 2,585,169, Feb. 12.

Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for the manufacture of fine fibers. 2,585,496, Feb. 12.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Gear finishing machine. 2,585,271, Feb. 12.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Automatic gear finishing machine. 2,585,272, Feb. 12.

Prather, Graffin S., New York, N. Y. Continuous pressure cooker. 2,585,170, Feb. 12.

Preiss, Richard E., Chicago, Ill. Mixer cup. 2,585,835, Feb. 12.

Preston, John E., Pittsburgh, assignor to Crucible Steel Company of America, Midland, Pa. Roll forging machine. 2,585,677, Feb. 12.

Preston, John H., Brooklyn, N. Y. Window. 2,585,678, Feb. 12.

Priedigkeit, John, Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. High-voltage regulator. 2,585,679, Feb. 12.

Procos, Steve J., Chicago, Ill. Flash sight for shotguns. 2,585,345, Feb. 12.

Prutzman, Paul E., South Gate, Calif. Rearview mirror. 2,585,273, Feb. 12.

Purington, Ellison S., and J. H. Hammond, Jr., Gloucester, Mass.; said Purington assignor to said Hammond, Jr. Auxiliary camera break-in for television transmission systems. 2,585,034, Feb. 12.

Pyle National Company, The, assignee: *See*— Heebler, Arthur C.

Pyle-National Company, The, assignee: *See*— McDowell, Thomas E.

Pyle, Robert A., Lapeer, Mich. Carburetor. 2,585,171, Feb. 12.

Quattrin, Sante, San Francisco, Calif. Irrigation nozzle. 2,585,346, Feb. 12.

Quigley, Herbert, Hastings, assignor to National Brass Company, Grand Rapids, Mich. Hinge. 2,585,836, Feb. 12.

Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Liquid level gauge for pressure tanks. 2,585,680, Feb. 12.

Radio Corporation of America, assignee: *See*— Achenbach, John C., Tourshou, and Mackey. Alexy, Matthew R. Coleman, John H. Davis, Lewis H., and Blaker. Hansell, Clarence W., and Lindenblad. Kurshan, Jerome, and Smith. Law, Russell R., and Norman. Luck, David G. C. Somers, Frank J. Wendt, Karl R., and Sziklai.

Rahrer, Gerald D.: *See*— Day, Maurice J., and Rahrer.

Randall, David I., and C. M. Smith, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Soluble onium salts of halogenmethylated thioindigos. 2,585,497, Feb. 12.

Randall, David I., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Antigas fading anthraquinone dyes. 2,585,681, Feb. 12.

Randall, David I., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Anthraquinone dyestuff for wool. 2,585,682, Feb. 12.

Randol, Glenn T., St. Louis, Mo. Fluid pressure actuated motor and control system therefor. 2,585,837, Feb. 12.

Ransler, Harold, assignee: *See*— Sherwood, Henry A.

Ransohoff, Nathan, assignor to N. Ransohoff, Incorporated, Cincinnati, Ohio. Sequential batch treating apparatus. 2,585,838, Feb. 12.

Ransohoff, N., Incorporated, assignee: *See*— Ransohoff, Nathan.

Ransomes, Sims & Jefferies, Limited, assignee: *See*— Dyer, Frederic T., and Revett.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Control system for motor vehicle window operators. 2,585,587, Feb. 12.

Rasini, Aldo R., Rosario, Argentina. Time interrupter for electric apparatus. 2,585,839, Feb. 12.

Rauland Corporation, The, assignee: *See*— Bailey, James S., and Schmidt.

Raytheon Manufacturing Company, assignee: *See*— Brown, William C. Riblet, Henry J.

Rear, James C., and F. J. Bobby, Berkeley, assignors to The Union Ice Company, San Francisco, Calif. Ice block making machine. 2,585,498, Feb. 12.

Reck, Frank: *See*— Hickman, Clarence N., Mallina, and Reck.

Reedy, Charles H., assignee: *See*— Murray, Victor E.

Reichl, Eric H., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Catalytic reactor. 2,585,274, Feb. 12.

Reid, Colin C.: *See*— Robinson, Preston, and Reid.

Reiter, Harry E., Bowling Green, Ohio. Disk-type lawn mower. 2,585,405, Feb. 12.

Remington Arms Company, Inc., assignee: *See*— Hartman, Robert B. Walker, Merle H.

Remington Rand, Inc., assignee: *See*— Crosman, Loring P. Hanahan, John, Aronson, and Lyon. Roggenstein, Edwin O. Roggenstein, Edwin O., and Thierfelder. Streng, Jan.

Renfrew, Edgar E.: *See*— Randall, David I., and Renfrew.

Republic Steel Corporation, assignee: *See*— Janecek, Frank H., and Bahney. Le Viseur, Kurt G., and Larson.

Revere Camera Company, assignee: *See*— Lustig, Frank.

Revett, Raymond H.: *See*— Dyer, Frederic T., and Revett.

Reynolds, Donald, Niles, Ill., assignor, by mesne assignments, to Lyon Industries, Inc., New York, N. Y. Mixing mechanism for liquid and beverage dispensing apparatus. 2,585,172, Feb. 12.

Reynolds, John F., Grinnell, Iowa. Union overall garment construction. 2,585,840, Feb. 12.

Reynolds, Lee T., Denver, Colo., assignor of five percent to Benjamin N. Tager, Los Angeles, Calif. Solid cross vane rotary pump. 2,585,406, Feb. 12.

Riblet, Henry J., Belmont, Mass., assignor to Raytheon Manufacturing Company. Radio-frequency transmission line circuit. 2,585,173, Feb. 12.

Rice, James C., and C. Krick, assignors to The Selby Shoe Company, Portsmouth, Ohio. Shoe shank. 2,585,588, Feb. 12.

Richardson, Mercur M., East Northport, N. Y. Detachable locking device for furniture elements. 2,585,683, Feb. 12.

Richardson, Paul H., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bridged T phase shifter. 2,585,841, Feb. 12.

Richardson, Paul H., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bridged T phase shifter. 2,585,842, Feb. 12.

Rinshed-Mason Company, assignee: *See*— McCauley, Myron D.

Rives, George A., Dearborn, assignor to General Motors Corporation, Detroit, Mich. Spray booth wash and making it. 2,585,407, Feb. 12.

Roach, John R., and H. Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc. Unsaturated ethers of polyhydric alcohols and polymers thereof. 2,585,035, Feb. 12.

Roberson, Claude M., Shreveport, La. Liner package for hooks. 2,585,408, Feb. 12.

Roberts, Robert L., Piedmont, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of novel food products from rice. 2,585,036, Feb. 12.

Robins, John W., Westwood, assignor to Mason-Neilan Regulator Company, Boston, Mass. Controller. 2,585,347, Feb. 12.

Robinson, James, Huntington Woods, assignor to Vickers Incorporated, Detroit, Mich. Pump-motor hydraulic system, including multiple motors and their controls. 2,585,348, Feb. 12.

Robinson, Margaret L., Philadelphia, and R. W. Auten, Jenkintown, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparing gamma-ethyl-gamma-methylpimelates. 2,585,409, Feb. 12.

Robinson, Preston, Williamstown, and C. C. Reid, Boston, assignors to Sprague Electric Company, North Adams, Mass. Insulated electrical conductor. 2,585,037, Feb. 12.

Robotron Corporation, assignee: *See*— Rockafellow, Stuart C.

Rochester Manufacturing Company, assignee: *See*— Hastings, Warren W., and Hunt.

Rockafellow, Stuart C., Farmington, assignor to Robotron Corporation, Detroit, Mich. Differential control. 2,585,589, Feb. 12.

Rockola, David C., assignor to Rock-ola Manufacturing Corporation, Chicago, Ill. Home bar. 2,585,590, Feb. 12.

Rock-ola Manufacturing Corporation, assignee: *See*— Rockola, David C.

Rockwell Manufacturing Company, The, assignee: *See*— Martin, Harold F.

Rogacki, Lester K., Huntington Station, N. Y., assignor to The Sperry Corporation. Tool. 2,585,038, Feb. 12.

Rogers, Dilworth T., Summit, N. J., assignor to Standard Oil Development Company. Inhibiting rusting. 2,585,843, Feb. 12.

Roggenstein, Edwin O., Ilion, assignor to Remington Rand Inc., New York, N. Y. High-speed sensitive relay. 2,585,684, Feb. 12.

Roggenstein, Edwin O., Norwalk, Conn., and E. F. Thierfelder, Ilion, assignors to Remington Rand, Inc., New York, N. Y. Tabulating and total sensing control mechanism. 2,585,685, Feb. 12.

Rohm & Haas Company, assignee: *See*— Robinson, Margaret L., and Auten.

Romero, Robert, Forset Hills, assignor to Leonard Electric Products Corp., Brooklyn, N. Y. Tuner construction. 2,585,844, Feb. 12.

Rooke, George F., Providence, R. I., assignor to G. G. Evans, De Kalb, Ill. Local automatic fire extinguishing system. 2,585,039, Feb. 12.

Roper, John H., Mechanicville, N. Y. Heating system. 2,585,591, Feb. 12.

Rosenberg, Constance F., assignee: *See*— Rosenberg, Gordon W.

Rosenberg, Gordon W., assignor to C. F. Rosenberg, Elkins Park, Pa. Trouser fly construction. 2,585,175, Feb. 12.

Rosenblum, Robert A., assignor to The Dole Valve Company, Chicago, Ill. Bubbler fountainhead. 2,585,845, Feb. 12.

Rosendahl, Jean W., Toms River, N. J. Serving dish for corn on the cob. 2,585,174, Feb. 12.

Rosenthal, Adolph H., New York, N. Y., assignor, by mesne assignments, to Skiatron Electronics and Television Corporation. Receiver tube having movable screen with ionic crystal layer for light modulation. 2,585,846, Feb. 12.

Roshkind, Allan L., assignor to A. B. Dick Company, Chicago, Ill. Lettering guide for stenciling operations. 2,585,847, Feb. 12.

Ross, John: *See*— Gebhart, Arthur L., and Ross.

Rossant, Dorothy B., New York, N. Y. Convertible scarf. 2,585,686, Feb. 12.

Rossell, William T., New York, N. Y. Mechanical transmission. 2,585,349, Feb. 12.

Rosso, Alonzo J.: *See*— Whitney, Guy H., and Rosso.

Rothrock, George M., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of shaped articles from acrylonitrile polymers. 2,585,499, Feb. 12.

Roy, Edmond J., assignor of one-half to F. I. Roy, Hollywood, Calif. Curtain ring. 2,585,500, Feb. 12.

Roy Flora I., assignee: *See*— Roy, Edmond J.

Royston, Marvin F., assignor to Frederick Hart & Co., Inc., Poughkeepsie, N. Y. Electromagnetic recording head. 2,585,040, Feb. 12.

Ruau, Félix F.: *See*— Molins, Desmond W., and Ruau.

Ruger, William B., Easton, assignor to Sturm, Ruger and Company, Inc., Southport, Conn. Receiver and grip connection for autoloading pistols. 2,585,275, Feb. 12.

Rupert Diecasting Company, assignee: *See*— Beuscher, William B.

Rusoff, Louis L., and A. J. Gelpi, Jr., assignors to Board of Supervisors of Louisiana State University and Agricultural and Mechanical College, Baton Rouge, La. Manufacture of cheese. 2,585,501, Feb. 12.

Russell, John D., Hollywood, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Pressure measuring device. 2,585,350, Feb. 12.

Russell, Percy W., Jacksonville, Ill. Spiral projector and propeller. 2,585,848, Feb. 12.

Ryman, Oscar E., Maywood, Ill. Cabinet door hinge structure. 2,585,849, Feb. 12.

Sackter, Melvin: *See*— Barany, Edmund and Sackter.

Sager, Robert H., Willoughby, Ohio. Device for facilitating the starting of engines. 2,585,850, Feb. 12.

St. Louis Metalcrafts, Inc., assignee: *See*— Dingeldein, Karl A.

St. Pierre, Paul L., assignor to Hemphill Company, Pawtucket, R. I. Knitting. 2,585,597, Feb. 12.

Salerni, Laura P. F. L., assignee: *See*— Salerni, Piero M.

Salerni, Piero M., Cox Green, England, assignor to L. P. F. L. Salerni, Dublin, Eire. Rotary torque converter of the impeller turbine reactor type. 2,585,851, Feb. 12.

Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Printing telegraph receiver. 2,585,041, Feb. 12.

Sammons, Francis W., White Plains, N. Y. Apparatus for scheduling and following production operations. 2,585,042, Feb. 12.

Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Heat exchanger. 2,585,043, Feb. 12.

Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Resilient batt cutting machine. 2,585,852, Feb. 12.

Sanders, Robert W., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Gain control apparatus. 2,585,044, Feb. 12.

Sanderson, Leonard W., Toronto, Ontario, Canada. Intermittent mechanism. 2,585,687, Feb. 12.

Saulnier, Raymond, Paris, France. Aircraft rudder control column. 2,585,688, Feb. 12.

Savage Arms Corporation, assignee: *See*—
Chapin, Ellis W., and Elkas.

Schaefer, August G.: *See*—
Vaughan, Victor G., Schaefer and Wood.

Schafer, John V., Bronson, Mich. Connector for apparel. 2,585,689, Feb. 12.

Schafer, John V., Bronson, Mich. Adjustable attachment for shirt collars. 2,585,690, Feb. 12.

Schaffer, Kay, Ocean Side, N. Y. Hosiery supporting means. 2,585,853, Feb. 12.

Scharfspitz, Sylvain: *See*—
Bernfeld, Sandor, Bomse, and Scharfspitz.

Scherer, Joseph J., Cleveland, Ohio. Lamp shade having a thermoplastic molding securing it to supporting arms. 2,585,176, Feb. 12.

Scherer, R. P., Corporation, assignee: *See*—
Carlson, Gustaf H.

Schloer, Henry C., assignee: *See*—
Thomas, Orrin H., and Snyder.

Schmidlin, Albertus E., Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Trap for compressed gas systems. 2,585,045, Feb. 12.

Schmidt, Adolph W.: *See*—
Bailey, James S., and Schmidt.

Schmidt, Julius: *See*—
Crownover, Joseph W., and Schmidt.

Schmieder, James, Austin, Minn. Hoist attachment for jacks. 2,585,856, Feb. 12.

Schneider, George F., Shaker Heights, Ohio, assignor to K. F. J. Kirsten, Seattle, Wash. Propeller thrust coordinating mechanism. 2,585,502, Feb. 12.

Schniepp, Lester E.: *See*—
Alexander, Kliem, and Schniepp.

Schofield, E. L., Incorporated, assignee: *See*—
Schofield, Earl L.

Schofield, Earl L., assignor to E. L. Schofield, Incorporated, Rockford, Ill. Fold-away casket rack for hearses. 2,585,046, Feb. 12.

Scholl Mfg. Co., Inc., The, assignee: *See*—
Crawford, Claud F.

Scholl, William M., Chicago, Ill. Surgical pad. 2,585,691, Feb. 12.

Scholl, William M., Chicago, Ill. Cushioning and corrective insole. 2,585,692, Feb. 12.

Schott, Charles W., Pittsburgh, Pa., assignor to United States Steel Company. Stamping wheel. 2,585,410, Feb. 12.

Schubert, Alvin E., and J. F. Egan, Rochester, N. Y., and R. S. Hopkins, deceased, late of Rochester, N. Y., by Lincoln Rochester Trust Company, executor, assignors to Eastman Kodak Company, Rochester, N. Y. Control system for photographic document copying machines. 2,585,276, Feb. 12.

Schultz, Carl, Milford, and S. Avena, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Surface control system. 2,585,411, Feb. 12.

Schulze, Herman W., Elmwood Park, Ill., assignor to Hotpoint Inc. Selector switch signaling system for electric ranges and the like. 2,585,503, Feb. 12.

Schwartz, Jacob D., Pittsburgh, Pa. Artificial tooth. 2,585,857, Feb. 12.

Schwartz, Jacob D., Pittsburgh, Pa. Artificial tooth with retention means. 2,585,858, Feb. 12.

Schweitzer, George W., Philadelphia, Pa. Gate latch. 2,585,177, Feb. 12.

Schweizerische Lokomotiv-und Maschinenfabrik, assignee: *See*—
Müller, Theodor.

Scibelli, Frank, Brooklyn, assignor to American Can Company, New York, N. Y. Cap forming device with edge reforming control device. 2,585,047, Feb. 12.

Scott, Charles H.: *See*—
Graner, Frank L., and Scott.

Scott, Clarence B., Tulsa, Okla., assignor to Standard Oil Development Company. Automatic volume control for seismic amplifiers. 2,585,854, Feb. 12.

Scott, Frederick S.: *See*—
Hanson, Ross A., and Scott.

Seabold, Edward J., Baltimore, Md., assignor to Drever Company, Philadelphia, Pa. Apparatus for annealing strip. 2,585,277, Feb. 12.

Seal-N-Spout Corporation, assignee: *See*—
Hoffman, Henry H.

Searle, G. D., & Co., assignee: *See*—
Hadidian, Zareh, and Pirie, Huffman, Max N.

Sears, Cecelia, assignee: *See*—
Sears, Clarence M.

Sears, Clarence M., assignor of one-half to C. Sears, Ayer, Mass., and one-half to G. F. Swanson, Providence, R. I. Body supported flashlight holder. 2,585,592, Feb. 12.

Selby Shoe Company, The, assignee: *See*—
Rice, James C., and Krick.

Seneca Falls Machine Company, assignee: *See*—
Small, Frederick B.
Smith, Edwin R.

Severance, Deane C., Huntington Park, Calif. Portable branding device. 2,585,504, Feb. 12.

Sevón, Johan W., deceased, and F. V. Sundman, Kuusankoski; K. B. Fogelholm, administrator of the estate of said J. W. Sevón, assignors to Kymin Osakeyhtio-Kymmene Aktiebolag, Kuusankoski, Kymi, Finland. Preparing chlorine dioxide gas. 2,585,593, Feb. 12.

Shakespeare Products Company, assignee: *See*—
Weber, Herman.

Sharp, John P.: *See*—
Caldwell, Ford W., and Sharp.

Shelanski, Herman A., Philadelphia, Pa., assignor to Onyx Oil & Chemical Company, Jersey City, N. J. Carboxylated methyl cellulose with quaternary ammonium compound as topical remedy. 2,585,048, Feb. 12.

Shell Development Company, assignee: *See*—
Shokal, Edward C., Winkler, and Devlin.
Van Ess, Paul R., and Sipple.
Whetstone, Richard R., and Evans.
Whetstone, Richard R., and Winkler.

Shellmar Products Corporation, assignee: *See*—
Wetzler, Justin J.

Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, Portland, Maine, as trustees. Pulp molding die. 2,585,049, Feb. 12.

Sherwin, Chalmers W., Belmont, Mass., and L. H. Johnston, Santa Fe, N. Mex., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Radar ground-controlled approach system for aircraft. 2,585,855, Feb. 12.

Sherwood, Henry A., assignor of one-half to H. Ransier, Harrah, Wash. Milker claw. 2,585,178, Feb. 12.

Shiebly, Leonard M., assignee: *See*—
Brooks, Firman R., and Turner.

Shipp, Douglas G., London, England, assignor, by mesne assignments, to Westinghouse Air Brake Company. Railway signaling system. 2,585,505, Feb. 12.

Shivers, Paul F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner controller. 2,585,278, Feb. 12.

Shokal, Edward C., Oakland, D. E. Winkler, Berkeley, and P. A. Devlin, assignors to Shell Development Company, San Francisco, Calif. Stabilization of halogen-containing organic materials. 2,585,506, Feb. 12.

Showalter, Frank W., assignor to The American Envelope Company, West Carrollton, Ohio. Turntable for paper roll stands. 2,585,859, Feb. 12.

Sickelbower, Kenneth E., Russell, Kans. Knee pony. 2,585,279, Feb. 12.

Siedenburg, Fred M., Richmond Hill, N. Y. Hydraulic jack. 2,585,351, Feb. 12.

Silver, Stanley M., Baltimore, Md. Checkbook. 2,585,179, Feb. 12.

Silverman, Allan M., Philadelphia, Pa. Lens mounting for spectacles and eyeglasses. 2,585,352, Feb. 12.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Well productivity logging. 2,585,412, Feb. 12.

Simon, Arthur, deceased; by E. M., C. J., and H. A. Simon, executors, Milwaukee, assignors to B. G. Marti, Wauwatosa, Wis. Variable transformer. 2,585,050, Feb. 12.

Simon, Clarence J., executor: *See*—
Simon, Arthur.

Simon, Edith D., executrix: *See*—
Simon, Edward P.

Simon, Edna M., executrix: *See*—
Simon, Arthur.

Simon, Edward P., deceased; E. D. Simon, executrix, assignor to L. F. Boulware, Philadelphia, Pa. Building. 2,585,051, Feb. 12.

Simon, Herbert A., executor: *See*—
Simon, Arthur.

Simpson, Herbert A., Ionia, Mich., assignor to C. W. Yerger, Southbury, Conn. Door closer. 2,585,413, Feb. 12.

Sinks, Allen T., deceased; by A. C. Sinks, administratrix, Beach Bluff, R. A. Pfuntner, Saugus, and S. Gabrielson, Lynnfield, Mass., assignors to General Electric Company. Gyroscopic direction indicator. 2,585,693, Feb. 12.

Sinks, Anna C., administratrix: *See*—
Sinks, Allen T., Pfuntner, and Gabrielson.

Sipple, Hulbert E.: *See*—
Van Ess, Paul R., and Sipple.

Sisson, Charles E., Washington, D. C. Sanitary water hydrant for railroad yards. 2,585,694, Feb. 12.

Skellett, Albert M., Madison, and L. E. Loveridge, Rutherford, assignors to National Union Radio Corporation, Orange, N. J. Microwave dynatron. 2,585,860, Feb. 12.

Skelton, Dennis E., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Granule type acoustic transducer. 2,585,052, Feb. 12.

Skiatron Electronics and Television Corporation, assignee: *See*—
Rosenthal, Adolph H.

Skinner, Henry J. P., London, England, assignor to International Construction Corporation Limited, Nassau, Bahamas. Scaffolding. 2,585,281, Feb. 12.

Slayton, Ransom D., Lombard, assignor to Teletype Corporation, Chicago, Ill. Electronic multiplex to start-stop extensor. 2,585,282, Feb. 12.

Small, Frederick B., Waterloo, assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Power actuator with pilot control. 2,585,507, Feb. 12.

Small, Jack, and L. Brody, Bronx, N. Y. Mattress cover. 2,585,861, Feb. 12.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Filter shaker for suction cleaners. 2,585,508, Feb. 12.

Smith Cannery Machines Company, assignee: *See*—
Oates, Norford L.

Smith, Carl M.: *See*—
Randall, David I., and Smith.

Smith, Charlie W., Little Rock, Ark. Self-adjusting fire nozzle. 2,585,509, Feb. 12.

Smith, Edwin R., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Double grip collet-type chuck. 2,585,510, Feb. 12.

Smith, Erasmus D.: *See*—
Lee, William H., and Smith.

Smith, Ethmer L., Rock Island, Ill. Tray cover. 2,585,180, Feb. 12.

Smith, Lloyd P.: *See*—
Kurshan, Jerome, and Smith.

Smith, Malcolm K., Elizabeth, assignor to The Baker Castor Oil Company, Jersey City, N. J. Solid esters and making same. 2,585,053, Feb. 12.

Smith, Paul V., Jr., Westfield, N. J., and A. H. Popkin, New York, N. Y., assignors to Standard Oil Development Company. Synthetic lubricants. 2,585,862, Feb. 12.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Snap-action relief valve. 2,585,863, Feb. 12.

Snow, Harold F., Pine Point, Maine. Adjustable loading ramp and the like. 2,585,695, Feb. 12.

Snyder, George E., Philadelphia, Pa. Adjustable generating V-block. 2,585,594, Feb. 12.

Snyder, Theodore E.: *See*—
Thomas, Orrin H., and Snyder.

Sobel, Louis N., New York, N. Y. Smoking implement. 2,585,696, Feb. 12.

Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, assignee: *See*—
Mingasson, Georges.

Société Anonyme dite: Comptoir des Cendres et Metaux Precieux, assignee: *See*—
Klein, Siegfried.

Societe Anonyme pour les Applications de l' Electricite et des Gaz Rares-Etablissments Claude-Paz et Silva, assignee: *See*—
Kayser, Daniel.

Societe des Fabrications Unicum, assignee: *See*—
Perruca, Felix.

Societe Rhodiaceta, assignee: *See*—
Mosse, Pierre.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Butcosk, Richard A.
Hartough, Howard D., Caesar, and Lukasiewicz.
Trigg, Hastings S., Norris, and White.
Watts, Euclid V., and Folda.

Sollner, Karl, Chevy Chase, Md., assignor to Harris-Seybold Company, Cleveland, Ohio. Printing plate etching. 2,585,864, Feb. 12.

Solowey, Mathilde: *See*—
Kapian, Arthur M., and Solowey.

Somers, Frank J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Film scansion apparatus. 2,585,865, Feb. 12.

Sommer, Walter L., Sterling, E. I. Leeder, and C. L. Collins, Rock Falls, Ill., assignors to The Borden Company, New York, N. Y. Machine for inverting containers. 2,585,697, Feb. 12.

Sommers, Paul H., Montgomery, Ala. Facilitating the laying of masonry units. 2,585,283, Feb. 12.

South Houston Machine Company, assignee: *See*—
Meador, Horace C.

Spahn, Charles F., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna mechanism. 2,585,866, Feb. 12.

Sparex Chemical Company, assignee: *See*—
Barnes, Marion D.

Sparks, Albert J. and H. R., Lambertville, Mich. Hydraulic safety device. 2,585,511, Feb. 12.

Sparks, Harvey R.: *See*—
Sparks, Albert J. and H. R.

Sparks, William J., Westfield, N. J., and R. M. Thomas, Baton Rouge, La., assignors, by mesne assignments, to Jasco, Incorporated. Polymerizing isoolefins using methyl chloride solution of BF_3 as catalyst. 2,585,867, Feb. 12.

Spaulding, Carl P., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Sector scanning radar device. 2,585,868, Feb. 12.

Specialties Development Corporation, assignee: *See*—
Schmidlin, Albertus E.

Speckman, John P., East St. Louis, Ill. Light reflector attachment for use on dry cells. 2,585,869, Feb. 12.

Speedryer, Inc., assignee: *See*—
Bunting, Albert L.

Spencer, Nye S., Merion, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Interrupting capacity calculator for low-voltage alternating current distribution systems. 2,585,595, Feb. 12.

Sperry Corporation, The, assignee: *See*—
Rogacki, Lester K.
Wilkerson, Jefferson R.

Sperry-Sun Well Surveying Company, assignee: *See*—
Butterworth, Gilbert J.

Spielman, Warren L., Louisville, Ky., assignor to Curtiss-Wright Corporation. Release mechanism. 2,585,870, Feb. 12.

Spiral Bagging Machine Corporation, assignee: *See*—
Gardner, Percy.

Sprague Electric Company, assignee: *See*—
Dorst, Stanley O.
Robinson, Preston, and Reid.—

Spring, Nello Verne, Bogulusa, La. Automatic sanitary water system for battery brooders. 2,585,698, Feb. 12.

Staab, Frank W., Fayetteville, assignor to Bristol Laboratories Inc., New York, N. Y. Nonyl amine salts of penicillin. 2,585,512, Feb. 12.

Stachura, Edward J., Arlington, Va. Flexible shield for electric conductors. 2,585,054, Feb. 12.

Stalker, Edward A., Bay City, Mich. Turbine blade construction with provision for cooling. 2,585,871, Feb. 12.

Standard Oil Company, assignee: *See*—
Tom, Theodore B., and Bolt.
Zimmerschied, Wilford J., and Arnold.
Bartleson, John D.

Standard Oil Development Company, assignee: *See*—
Banes, Fred W., Fitz Gerald, and Nelson.
Carpenter, Clifford L.
Mack, Charles.
McDermott, John P.
Mertzweiller, Joseph K.
Rogers, Dilworth T.
Scott, Clarence B.
Smith, Paul V., Jr., and Popkin.
Swaney, Miller W., and Jasion.
Tryon, Richard W.

Stanfield, Le Roy A.: *See*—
Hazeltine, Leland S., and Stanfield.

Stanolind Oil and Gas Company, assignee: *See*—
Caruthers, Carlton B.
Eisler, Joseph D., and Hartline.
Farris, Riley F.
Hendrickson, Ralph L.
Reichl, Eric H.
Silverman, Daniel.

Stanton, William A., Westfield, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Photographic emulsions containing 2,5-dimethoxytetrahydrofuran. 2,585,596, Feb. 12.

Stavropoulos, Sam: *See*—
Stavropoulos, Gus G. and S.

Stavropoulos, Gus G. and S., Chicago, Ill. Clasp for cuffs and the like. 2,585,181, Feb. 12.

Steel Products Engineering Company, The, assignee: *See*—
Getz, Delmond L.

Steffens, Otto A., East Moline, assignor to Deere & Company, Moline, Ill. Conveyer. 2,585,414, Feb. 12.

Steiner, Louis, Rockaway Park, N. Y. Magazine structure for dispensing devices. 2,585,872, Feb. 12.

Stephenson, Paul A., Chicago, assignor to A. B. Dick Company, Niles, Ill. Roll feed for stencil duplicating machines. 2,585,873, Feb. 12.

Sterling Drug Inc., assignee: *See*—
Albertson, Noel F.

Sterlingworth Company, assignee: *See*—
Godshalk, James B., and Mediar.

Sterman, Samuel, Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Grease lubricant. 2,585,182, Feb. 12.

Stern, Raymond J., New York, N. Y. Jewelry. 2,585,183, Feb. 12.

Stewart-Warner Corporation, assignee: *See*—
Leslie, John H., II, and Marshall.
Tear, Harry R.

Stoner, Harold J., assignee: *See*—
Fitzgerald, Paul H.

Storrie, Sarah, known as Sarah Horne, Edinburgh, Scotland. Hot and cold water supply fitting. 2,585,184, Feb. 12.

Stratford, Charles W., assignor to Stratford Engineering Corporation, Kansas City, Mo. Treating lubricating distillates. 2,585,874, Feb. 12.

Stratford Engineering Corporation, assignee: *See*—
Stratford, Charles W.

Streng, Jan., Redding, Conn., assignor to Remington Rand Inc., New York, N. Y. Keyboard structure. 2,585,699, Feb. 12.

Strickman, Samuel W., Kew Gardens, N. Y., assignor of one-quarter to C. E. Bloom, Glen Ridge, N. J., and one-quarter to H. C. Bierman, New Rochelle, N. Y. Making conductive designs. 2,585,700, Feb. 12.

Stromberg-Carlson Company, assignee: *See*—
Jones, Roy W.

Strum, Peter D., Levittown, assignor to Airborne Instruments Laboratory, Incorporated, Mineola, N. Y. Apparatus for testing crystal rectifiers. 2,585,353, Feb. 12.

Sturm, Ruger and Company, Inc., assignee: *See*—
Ruger, William B.

Stuvel, Bernard D., Indianapolis, Ind. Flush ball control tank. 2,585,513, Feb. 12.
Sun Oil Company, assignee: *See*—
Dougherty, Patrick F., and Brooks.
Olsen, John L.
Quist, Harold A.
Sundman, Frey V.: *See*—
Sevón, Johan W., and Sundman.
Supiro, Lester D., Asbury Park, N. Y. Production of copper powder having an average particle size of two microns. 2,585,185, Feb. 12.
Sutton, Otis B.: *See*—
Humphrey, Warren A., and Sutton.
Sutton, Otis B., Canton, assignor to The Hoover Company, North Canton, Ohio. Toaster timing mechanism. 2,585,514, Feb. 12.
Svenska Turbinfabriks Aktiebolaget Ljungstrom, assignee: *See*—
Nicolin, Curt, Wiberg, and Östmar.
Swaney, Miller W., Westfield, and L. Z. Jaslon, Elizabeth, N. J., assignors to Standard Oil Development Company. 4-tertiary alkyl chlorophenoxyacetic acids and the use thereof as plant hormone synergists. 2,585,875, Feb. 12.
Swanson, G. Fred, assignee: *See*—
Sears, Clarence M.
Swift & Company, assignee: *See*—
Petersen, Lowell W.
Williams, Beverly E.
Syntron Company, assignee: *See*—
Alvord, Grove D.
Sziklai, George C.: *See*—
Wendt, Karl R., and Sziklai.
Tager, Benjamin N., assignee: *See*—
Reynolds, Lee T.
Tagmann, Eugen: *See*—
Hoffmann, Karl, and Tagmann.
Talboys, Henry H., Milwaukee, Wis. Adhesive structure. 2,585,515, Feb. 12.
Tanner, James H.: *See*—
Kreitchman, Morton A., and Tanner.
Tatra narodni podnik, assignee: *See*—
Březek, Rudolf.
Taylor, Auburn, Charleston, W. Va., assignor to The Goss Printing Press Company, Chicago, Ill. Printing press ink fountain. 2,585,598, Feb. 12.
Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Suction nozzle having a variable opening. 2,585,186, Feb. 12.
Taylor, Ralph J., Sr., Salem, Ohio. Photographic composing machine. 2,585,188, Feb. 12.
Taylor, Richard E., Sedalia, Mo. Rosin container. 2,585,187, Feb. 12.
Taylor, Robert H.: *See*—
Muskat, Irving E., and Taylor.
Tear, Harry R., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Pumping mechanism for centralized lubricating systems. 2,585,189, Feb. 12.
Tchetchet, Victor C., Great Neck, N. Y. Spaced hull arrangement for sailboats. 2,585,599, Feb. 12.
Telefonaktiebolaget L M Ericsson, assignee: *See*—
Holmqvist, Seth A.
Teletype Corporation, assignee: *See*—
Slayton, Ransom D.
Texas Company, The, assignee: *See*—
Clarke, John T.
Thiemann, Hugo, assignor to Gesellschaft zur Forderung der Forschung an der E.T.H., Zurich, Zurich, Switzerland. Electrodynamic bifilar oscillograph for noiseless sound recording on films. 2,585,190, Feb. 12.
Thierfelder, Emil F.: *See*—
Roggenstein, Edwin O., and Thierfelder.
Third National Bank and Trust Company of Dayton, The, assignee: *See*—
Kroener, Elmo H.
Thoennes, Frank A., Peru, Ind. Fire escape. 2,585,876, Feb. 12.
Thomas, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of impregnated cellulose and cellulose esters therefrom. 2,585,516, Feb. 12.
Thomas, Orrin H., Williamsport, and T. E. Snyder, South Williamsport, Pa., assignors to P. Zayac, Johnson City, J. Marconi, Endicott, and H. C. Schloer, Vestal, N. Y. Cable terminal connector. 2,585,055, Feb. 12.
Thomas, Robert M.: *See*—
Sparks, William J., and Thomas.
Thompson, Lee L., Iowa Park, Tex. Mud and chemical mixer. 2,585,701, Feb. 12.
Thompson, Robert E.: *See*—
Beaulieu, Ezra J., and Thompson.
Thompson, Robert W., Minneapolis, Minn., and W. T. Leland, New York, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Spectrometer. 2,585,702, Feb. 12.
Thorgrimsson, Einar, Reykjavik, Iceland. Rotary motor. 2,585,354, Feb. 12.
Thorson, Theodore E., Sioux Falls, S. Dak. Hot-air circulating mopboard. 2,585,703, Feb. 12.
Thumim, Carl, Yeadon, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Resonant silencer. 2,585,600, Feb. 12.
Tierney, Marcus M., St. Paul, Minn. Box for displaying contents. 2,585,056, Feb. 12.
Tingley Reliance Rubber Corporation, assignee: *See*—
McCollum, William, Jr., and Wallace.
Tolen, Willard R., Riverside, Calif. Heating and cooling system for beds. 2,585,517, Feb. 12.
Tom, Theodore B., Hammond, Ind., and J. A. Bolt, assignors to Standard Oil Company, Chicago, Ill. Mercaptan extraction. 2,585,284, Feb. 12.
Toms, William A., High Wycombe, England. Reversible cushion device. 2,585,415, Feb. 12.
Tonge, William R., and R. H. Gill, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Separable fastening apparatus for structure wall attachments. 2,585,285, Feb. 12.
Tourshou, Simeon I.: *See*—
Achenbach, John C., Tourshou, and Mackey.
Towmotor Corporation, assignee: *See*—
Daniels, Lee C.
Treo Co. Inc., assignee: *See*—
Metz, Samuel T.
Tresise, Raleigh E., Cleveland Heights, and P. D. Kendall, Maple Heights, assignors to Paravox, Inc., Cleveland, Ohio. Hearing aid apparatus having sectional casing. 2,585,191, Feb. 12.
Triangle Grain Company, assignee: *See*—
Potter, Clarence J.
Trico Products Corporation, assignee: *See*—
Rappl, Anton.
Trigg, Hastings S., West Hempstead, N. Y., H. D. Norris, Woodbury, and R. V. White, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricating oil composition. 2,585,877, Feb. 12.
Trion, Inc., assignee: *See*—
Landgraf, George F.
Troiel, Arthur E., Berkeley, Calif. Concrete structure and grouting assembly. 2,585,192, Feb. 12.
Trombetta, Nicola, Hoboken, N. J. Window construction. 2,585,601, Feb. 12.
Tryon, Richard W., Westfield, N. J., assignor to Standard Oil Development Company. Skimming apparatus. 2,585,878, Feb. 12.
Tubbs, Margaret L., trustee, assignee: *See*—
Tubbs, Irl I.
Tubbs, Irl I., assignor to M. L. Tubbs, trustee, Mount Vernon, Iowa. Resilient valve in rigid wall portions of containers. 2,585,286, Feb. 12.
Turco Products, Inc., assignee: *See*—
Holman, Emmette R., and Mathis.
Turner, Alfred J.: *See*—
Brooks, Firman R., and Turner.
Turner, Edwin B., Wellington, Ohio. Cylindrical container and closure cap therefor. 2,585,602, Feb. 12.
Turner, John R., and J. A. Pellman, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for chucking blocks of lenses on generating machines. 2,585,287, Feb. 12.
Turski, Józef S., Krynica, Poland. Introducing an amino group into aromatic compounds. 2,585,355, Feb. 12.
Ulmschneider, Lawrence A.: *See*—
Jones, John G., and Ulmschneider.
Union Carbide and Carbon Corporation, assignee: *See*—
Kennedy, Harry E.
Sterman, Samuel.
Walton, Richard K.
Union Ice Company, The, assignee: *See*—
Rear, James C., and Bobby.
Union Oil Company of California, assignee: *See*—
Hanson, Ross A., and Scott.
Union Steel Products Company, assignee: *See*—
Averill, Charles C.
Bitney, Dewey H.
United Aircraft Corporation, assignee: *See*—
Moore, Earl K., and Edson.
United Aircraft Corporation, assignee: *See*—
Schultz, Carl, and Avena.
United-Carr Fastener Corporation, assignee: *See*—
Becker, Philip D.
Bedford, William A., Jr.
Johnson, Frank E.
Van Buren, Harold S., Jr.
Woodward, Clement A.
United Shoe Machinery Corporation, assignee: *See*—
Harrington, Joseph, Jr.
Jorgensen, Bernhardt.
United States Air Force, United States of America as represented by the Secretary of the, assignee: *See*—
Vonnegut, Bernard, and Katz.
United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Elmore, William C.
Fowler, Robert D., Burford, and Anderson.
Hanson, Alfred O.
Priedigkeit, John.
Thompson, Robert W., and Leland.
United States Steel Company, assignee: *See*—
Day, Maurice J., and Rahrer.
Pierce, Earl W.
Schott, Charles W.
Universal Oil Products Company, assignee: *See*—
Gerhold, Clarence G.
Hanson, Olaf M.

Univis Lens Company, The, assignee: *See*—
Allen, Robert E., and Utzinger.
Utzinger, William F.: *See*—
Allen, Robert E., and Utzinger.
Vacuum Cooling Company, assignee: *See*—
Brunsing, Rex L.
Vaisey, Harold C., and W. H. Meeker, assignors to Hickok Manufacturing Company, Inc., Rochester, N. Y. Adjustable tie holder. 2,585,603, Feb. 12.
Valentin, Marie J. A., Tourcoing, assignor to "Etablissements Francois Masurel Freres," Tourcoing, Nord, France. Treating synthetic yarns. 2,585,518, Feb. 12.
Van Brunt, John, Deere Company, assignee: *See*—
Borngraeber, Royce R.
Van Buren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Tensile force resistant buckle assembly. 2,585,900, Feb. 12.
Van der Grinten, Lodewijk P. F., assignor to Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Exposing apparatus for photographic contact printing. 2,585,519, Feb. 12.
Van Ess, Paul R., and H. E. Sipple, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Lubricating compositions containing highly basic metal sulfonates. 2,585,520, Feb. 12.
Vangeen, Abraham I., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge apparatus. 2,585,057, Feb. 12.
Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Recovery of carbon dioxide. 2,585,288, Feb. 12.
Van Ryan, Anthony, South Milwaukee, Wis., assignor to McGraw Electric Company. Circuit breaker. 2,585,879, Feb. 12.
Vaughan, Victor G., and A. G. Schaefer, Attleboro, and G. G. Wood, Norton, assignors to Metals & Controls Corporation, Attleboro, Mass. Thermostat with microscopic mat finish. 2,585,704, Feb. 12.
Veaux, Henri M., Saint-Leu-la-Foret, France. Telephone radio link termination. 2,585,058, Feb. 12.
Veerman, Arthur H., Joliet, Ill. Nose disguise. 2,585,880, Feb. 12.
Vendo Company, The, assignee: *See*—
Johnson, Elmer C.
Venus Corporation, assignee: *See*—
Meares, Lillian J.
Vesper, George A., Los Angeles, Calif. Block forming apparatus. 2,585,193, Feb. 12.
Vetter, Otto B., Chicago, Ill., assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa. Ringbalance. 2,585,705, Feb. 12.
Vickers Incorporated, assignee: *See*—
Logan, Frank G.
Robinson, James.
Vinay, Alexander B., assignee: *See*—
Decker, Troy H.
Viti, Florindo: *See*—
Murray, Russell T., and Viti.
Vonnegut, Bernard, Alplaus, N. Y., and R. E. Katz, Washington, D. C., assignors to the United States of America as represented by the Secretary of the United States Air Force. Rotating disk icing rate meter. 2,585,604, Feb. 12.
Von Reis, Gustav: *See*—
Kaplan, Leo I., and von Reis.
Vulcan Detinning Company, The, assignee: *See*—
Muskat, Irving E., and Taylor.
Wagner, George B., assignor to Pillsbury Mills, Inc., Minneapolis, Minn. Insecticidal composition with a wheat dust carrier. 2,585,356, Feb. 12.
Wagner, John H., Parkville, Md. Poultry dipping machine. 2,585,194, Feb. 12.
Walker, Arthur W., assignor of one-fifth to H. M. Northcutt, Tulsa, Okla. Orifice plate fitting. 2,585,290, Feb. 12.
Walker, Crosweller, & Company, Limited, assignee: *See*—
Barker, Clifford L.
Walker, Ernest S., South Yardley, Birmingham, England. Device for cutting worms for fish food. 2,585,881, Feb. 12.
Walker, Merle H., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Breech closing construction for firearms. 2,585,195, Feb. 12.
Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Electrical cell apparatus for detecting chemical characteristics of liquids. 2,585,059, Feb. 12.
Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Electrical cell apparatus for testing liquids. 2,585,060, Feb. 12.
Wallace, James M.: *See*—
McCollum, William, Jr., and Wallace.
Wallace, Marcel, Fairfield County, assignor, by mesne assignments, of one-half to said Wallace, doing business as Panoramic Laboratories, East Port Chester, Conn. Navigational system. 2,585,605, Feb. 12.
Wallace, Stanley, Des Plaines, Ill. Chemical container and package. 2,585,289, Feb. 12.
Wallace & Tiernan Products, Inc., assignee: *See*—
Marks, Henry C.
Wallace, Charles F.
Wallin, Fred E.: *See*—
Adams, Clifford B., and Wallin.
Walton, Richard K., Montclair, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Alkali resistant alkylene polyamine modified phenol-formaldehyde resin. 2,585,196, Feb. 12.
Walton, Richard K., Montclair, N. J., assignor to Union Carbide and Carbon Corporation. Oil-free wrinkle finish coating. 2,585,197, Feb. 12.
Wandrus, Harry, Milwaukee, Wis. Ammunition cartridge gauge. 2,585,521, Feb. 12.
War, United States of America as represented by the Secretary of, assignee: *See*—
Clogston, Albert M.
Longmire, Conrad L.
Sherwin, Chalmers W., and Johnston.
Spaulding, Carl P.
Ware, Cecil, Houston, Tex. Acidizing packer. 2,585,706, Feb. 12.
Warner, Russell A., Schenectady, N. Y., assignor to General Electric Company. Hall effect alternating current volt-ampere meter. 2,585,707, Feb. 12.
Warren, George B., Los Angeles, Calif. Container with measuring and dispensing means. 2,585,198, Feb. 12.
Waterloo Foundry Company, assignee: *See*—
Harmon, Cline H.
Waterloo Foundry Company, assignee: *See*—
Harmon, Cline H., and Fort.
Watson, Frederick K., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. N-aminoalkylmorpholine viscosity stabilized polyamide and making same. 2,585,199, Feb. 12.
Watts, Euclid V., South Pasadena, and B. Folda, Jr., Los Angeles, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Increasing the productivity of oil wells. 2,585,522, Feb. 12.
Waxweiler, James H.: *See*—
Marshall, Marcus W., and Waxweiler.
Wayne, William C., Jr., assignor to The Baldwin Company, Cincinnati, Ohio. Control system for electronic musical instruments. 2,585,357, Feb. 12.
Weber, Herman, assignor to Shakespeare Products Company, Kalamazoo, Mich. Cable tension regulator. 2,585,358, Feb. 12.
Webster-Chicago Corporation, assignee: *See*—
Bridenbaugh, Paul K., and Jansen.
Weems, Albert W., Meridian, Miss. Reciprocating spindle type cotton harvester. 2,585,062, Feb. 12.
Weld, Frank P., J. G., and J. E., Red Wing, Minn. Celery harvester. 2,585,416, Feb. 12.
Weld, John G.: *See*—
Weld, Frank P., J. G., and J. E.
Weld, Joseph E.: *See*—
Weld, Frank P., J. G., and J. E.
Weinheimer, Norman P.: *See*—
Lerner, Max M., and Weinheimer.
Weissman, George L., and H. A. Graffis, Detroit, Mich., said Graffis assignor to said Weissman. Danger detecting means for gas distributing systems. 2,585,882, Feb. 12.
Welch, Raymond, assignor to Goodall-Sanford, Inc., Sanford, Maine. Method and apparatus for uniting warps. 2,585,708, Feb. 12.
Wellman, Russell E., Ottumwa, Iowa. Fireplace andirons with auxiliary log packing means. 2,585,523, Feb. 12.
Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Governing of free piston gas generator power plant. 2,585,200, Feb. 12.
Wendt, Karl R., Hightstown, and G. C. Sziklai, Princeton, N. J., assignors to Radio Corporation of America. Combination second detector, noise limiter, and gain control circuit. 2,585,883, Feb. 12.
Werner, Jesse, Brooklyn, N. Y., and D. E. Graham, Winfield, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. 1-methyl-5-chlorobenzene-2-thioglycollic acid. 2,585,709, Feb. 12.
Werner, Robert V., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Electric motor control system. 2,585,710, Feb. 12.
West Bend Aluminum Co., assignee: *See*—
Heidner, Richard C., and Burkett.
Wester, Alfred B., Jr., Woodbury, N. J. Fabric strip and holder therefor. 2,585,061, Feb. 12.
Western Electric Company, Incorporated, assignee: *See*—
Beaulieu, Ezra J., and Thompson.
Frank, George H.
Wolfe, Halley.
Wondra, Raymond O.
Westinghouse Air Brake Company, assignee: *See*—
Logan, John W., Jr.
McGowan, Kenneth J. J.
Shipp, Douglas G.
Westinghouse Electric Corporation, assignee: *See*—
Hills, Elmer G.
Taylor, Charles H.
Whitmore, James B., and Newcombe.
Wetzler, Justin J., assignor to Shellmar Products Corporation, Chicago, Ill. Carton setup machine. 2,585,201, Feb. 12.
Weyrauch, Cyril J., Ray, N. Dak. Saw sharpener with motor-driven rotary sharpeners. 2,585,063, Feb. 12.
Wheel Truing Tool Company, assignee: *See*—
Bruce, Stanford P.
Wheeler, Keith W., Wyoming, and V. W. Gash, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Meta-thiazines. 2,585,064, Feb. 12.

Whetstone, Richard R., Albany, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Permanently fusible diallyl ester copolymers and compositions of nitrocellulose therewith. 2,585,359, Feb. 12.
Whetstone, Richard R., and D. L. E. Winkler, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Esters of aliphatic triols. 2,585,884, Feb. 12.
Whirlpool Corporation, assignee: *See*—
Geldhof, Peter E.
White, Eugene K.: *See*—
Le May, Ernest D., and White.
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,585,885, Feb. 12.
White, Ira M., Oakland, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Surge preventer. 2,585,524, Feb. 12.
White, Ralph V.: *See*—
Trigg, Hastings S., Norris, and White.
Whitlow, John B., Granite City, Ill. Torque converter. 2,585,886, Feb. 12.
Whitmore, James B., Bloomfield, and F. A. Newcombe, Nutley, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Glass furnace charging. 2,585,607, Feb. 12.
Whitney, Guy H., Morrisville, Pa., and A. J. Rosso, Washington Crossing, N. J. Hydraulic brake control. 2,585,711, Feb. 12.
Whitney, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Molecular still. 2,585,202, Feb. 12.
Whittaker, James B., Rochester, N. Y. Venetian blind. 2,585,606, Feb. 12.
Wiberg, Oscar A.: *See*—
Nicolin, Curt, Wiberg, and Östmar.
Wiegand, David E., Villa Park, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Combined magnetic transducer head and coupling transformer. 2,585,065, Feb. 12.
Wieghart, Albert W., assignor to Friedley-Voshardt Company, Chicago, Ill. Rinsing and drying nozzle for dishwashers. 2,585,608, Feb. 12.
Wiggins, John H., Chicago, Ill. Dry seal pressure type gasholder. 2,585,203, Feb. 12.
Wiggins, Walter, Jr., Washington, D. C. Diving apparatus. 2,585,712, Feb. 12.
Wilkerson, Jefferson R., Hempstead, N. Y., assignor to The Sperry Corporation. Pulse generator. 2,585,066, Feb. 12.
Wilkinson, Joseph M., Jr., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of 1-acetoxy-3-buten-2-one. 2,585,067, Feb. 12.
Williams, Beverly E., assignor to Swift & Company, Chicago, Ill. Tote cart. 2,585,360, Feb. 12.
Williams, Thomas B., Taunton, Mass., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Prevention of leakage of make gas from stack valve of a combustible gas generating set. 2,585,417, Feb. 12.
Williamson, Marshall L., New Haven, Conn. Display carton with cover convertible to easel. 2,585,361, Feb. 12.
Wills, John H., Chester, assignor to Philadelphia Quartz Company, Philadelphia, Pa. Manufacture of alpha sodium tetrasilicate. 2,585,609, Feb. 12.
Wilson, David S., Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc. Effecting calibration of the tire inflator spring of tire inflating apparatus. 2,585,362, Feb. 12.
Wilmotte, Raymond M., assignee: *See*—
De Mars, Paul A.
Wilson, James E.: *See*—
Martin, Edward J., and Wilson.
Winkler, De Loss E.: *See*—
Shokal, Edward C., Winkler, and Devlin.
Whetstone, Richard R., and Winkler.
Winston, Rodney W., Berkeley, assignor to Moore Business Forms, Inc., Emeryville, Calif. Selective transfer manifolding assembly. 2,585,418, Feb. 12.
Wintercorn, Andrew F., assignee: *See*—
Palmquist, Marvin E., and Lundstrom.
Witteoff, Harold: *See*—
Rouch, John R., and Wittcoff.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Device for forming sound records. 2,585,291, Feb. 12.
Wittwer, Robert, assignor to Ciba Limited, Basel, Switzerland. Dyeing furs using an aqueous alcohol solution of a complex metal compound of an azo dyestuff free from acid groups. 2,585,610, Feb. 12.
Wofke, Halley, North Hollywood, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Delay-action filter circuit. 2,585,890, Feb. 12.
Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Coupler operating mechanism. 2,585,889, Feb. 12.
Woltering, Alphonse J., assignor to Cincinnati Coffin Co., Cincinnati, Ohio. Hermetically sealed burial casket. 2,585,363, Feb. 12.
Wondra, Raymond O., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Shutoff mechanism for an injection nozzle. 2,585,204, Feb. 12.
Wood, George G.: *See*—
Vaughan, Victor G., Schaefer, and Wood.
Wood, John, Manufacturing Company, Inc., assignee: *See*—
Willson, David S.
Wood, Morris B., Newbury, Mass. Electrical circuit breaker. 2,585,068, Feb. 12.
Woodruff, Harold B., Cranford, assignor to Merck & Co., Inc., Rahway, N. J. Preparing actinophage-resistant A. griseus and preparing streptomycin. 2,585,713, Feb. 12.
Woodward, Clement A., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Housing for electrical switches and the like. 2,585,887, Feb. 12.
Woolley, George H., Woodside, England. Knitted fabric. 2,585,888, Feb. 12.
Worsdell, Loren E., Vermont, Ill., assignor to Harry Ferguson, Inc., Detroit, Mich. Hay loader. 2,585,891, Feb. 12.
Worthington Pump and Machinery Corporation, assignee: *See*—
Platts, Howard H.
Wright, George J., Berkeley, and R. J. Wright, Albany, assignors, by mesne assignments, to Fritter-Chef Corporation, Berkeley, Calif. Coating and cooking frankfurters. 2,585,364, Feb. 12.
Wright, Hazel H., assignee: *See*—
Brandon, Clarence W.
Wright, Howard N., Jr.: *See*—
Hagemeyer, Hugh J., Jr., and Wright.
Wright, Ralph J.: *See*—
Wright, George J., and R. J.
Wrobel, Henry T., Lynn, and H. A. Bakke, Swampscott, Mass., assignors to General Electric Company. Magnetic suspension. 2,585,714, Feb. 12.
Wurlitzer, Rudolph, Company, The, assignee: *See*—
Osborne, Fred H.
Yaeger, Carl M., Fairview Village, Ohio, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Annealing furnace. 2,585,892, Feb. 12.
Yale & Towne Manufacturing Company, The, assignee: *See*—
Feldmann, Henry J.
Yates, William F., Texas City, Tex., assignor to Monsanto Chemical Company, St. Louis, Mo. Separation of xylene. 2,585,525, Feb. 12.
Yerger, Charles W., assignee: *See*—
Simpson, Herbert A.
Young, Carl T., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Liquid fuel injector. 2,585,205, Feb. 12.
Young, Donald K., Rugby, England. Press for photographic dry mounting. 2,585,893, Feb. 12.
Youngblood, Knowles, Atlanta, Ga. Clothes hanger guard. 2,585,715, Feb. 12.
Zachary, Alexis, New York, N. Y. Hair curler. 2,585,611, Feb. 12.
Zaetz, Saul P., Burlington, Vt. Drainage receptor. 2,585,716, Feb. 12.
Zarlengo, Dominic A., Denver, Colo. Animated jigsaw puzzle. 2,585,419, Feb. 12.
Zautner, Richard C., Manila, Philippine Islands. Clamp type screw driver for cans. 2,585,526, Feb. 12.
Zayac, Peter, assignee: *See*—
Thomas, Orrin H., and Snyder.
Zentecki, Stephen, South Dayton, N. Y. Brake position controlled switch. 2,585,206, Feb. 12.
Ziegler, Hans K., West Long Branch, N. J., assignor to United States of America as represented by the Secretary of the Army. Electrical circuit for preventing excessive transients. 2,585,069, Feb. 12.
Zimmerschied, Wilford J., Hammond, Ind., and R. C. Arnold, Park Forest, assignors to Standard Oil Company, Chicago, Ill. Preparation of alkyl thiophenes. 2,585,292, Feb. 12.
Zublin, John A., Los Angeles, Calif. Apparatus for drilling lateral bores deviating from vertical well bores. 2,585,207, Feb. 12.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF FEBRUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Asphalt emulsion for treatment of coal and preparing the same. C. R. Rosencranse. Re. 23,462, Feb. 12.
Caster. A. M. Budnick and N. O. Berg. Re. 23,459, Feb. 12.
Electrostatic machine. N. Felici. Re. 23,460, Feb. 12.
Guide for drawers or shelves. N. A. Gussack. Re. 23,461, Feb. 12.

LIST OF PLANT INVENTIONS

Euonymus fortunei plant. C. D. Corliss. 1,073, Feb. 12.
Gardenia plant. M. O. Ahrens. 1,072, Feb. 12.
Camellia plant. T. Domoto. 1,074, Feb. 12.

LIST OF DESIGN INVENTIONS

Armchair frame. L. Grundy. 165,914, Feb. 12.
Board, Game. A. G. Hobbs. 165,918, Feb. 12.
Bookcase. S. W. Smilie. 165,940, Feb. 12.
Bottle. R. Achard. 165,893, Feb. 12.
Cabinet for television receiving set. J. D. Portanova. 165,934, Feb. 12.
Cabinet, Television. J. D. Portanova. 165,935, Feb. 12.
Chain for a bracelet or similar article, Expansible. K. C. Augenstein. 165,896, Feb. 12.
Chair, Folding. F. E. Chehak. 165,907, Feb. 12.
Confection stick. F. A. Biehl. 165,898, Feb. 12.
Cover, Cooking utensil. J. C. Hampshire. 165,916, Feb. 12.
Couch frame, Two seater. L. Grundy. 165,915, Feb. 12.
Cradle, Doll. D. Ippolito. 165,921, Feb. 12.
Drapery traverse rod. H. S. Rosenbaum. 165,937, Feb. 12.
Electric conduit supporting spacer. W. M. Bloom and A. J. Simmons. 165,901, Feb. 12.
Embroidered trimming or similar article. H. Tobler. 165,947, Feb. 12.
Euchre scorekeeper and ash tray or similar article, Combined. L. J. McKenzie. 165,925, Feb. 12.
Food mixer power unit. D. L. McFarland and B. R. Voight. 165,924, Feb. 12.
Food product, Molded. L. Peters. 165,929–33, Feb. 12.
Harvester, Semimounted corn. E. J. Stumpenhorst. 165,945, Feb. 12.
Holder and perfume bottles, Combined. H. S. Blauvelt. 165,900, Feb. 12.
Holder, Christmas tree. E. Parucki and E. S. Cebulski. 165,928, Feb. 12.
Holder, Coin. J. Goodman. 165,913, Feb. 12.
Holder, Drawing and writing implement. A. C. Kather. 165,923, Feb. 12.
Holder, Knife. M. S. Adler. 165,894, Feb. 12.
Holder, Pad. A. Angell. 165,895, Feb. 12.
Instrument, Musical. B. F. Jay and M. Feintuch. 165,922, Feb. 12.
Iron, Electric. F. Collura. 165,909, Feb. 12.
Lighter, Cigarette. P. E. Mora. 165,927, Feb. 12.
Mat, Floor. D. W. Moor, Jr. 165,926, Feb. 12.
Meter, Fluid measuring. R. C. Webster. 165,953, Feb. 12.
Music template. C. A. Dowell. 165,911, Feb. 12.
Package for a toy pistol. R. O. Wesley. 165,954, Feb. 12.
Paint-mixing machine. W. E. Holt. 165,920, Feb. 12.
Penholder, Desk. G. B. Cleary. 165,908, Feb. 12.
Pin, Safety. I. Glasband. 165,912, Feb. 12.
Power trimmer. S. J. and H. J. Hoff. 165,919, Feb. 12.
Puppet or the like. W. B. and H. C. Bartner. 165,897, Feb. 12.
Rack, Shoe. F. Stein. 165,942, Feb. 12.
Ring, Finger. R. H. Staley. 165,941, Feb. 12.
Seat, Baby's. S. H. Bishop. 165,899, Feb. 12.
Seat or similar article, Waiting room. R. C. Weatherly. 165,952, Feb. 12.
Serving cart and table, Combined. J. Strathaus. 165,944, Feb. 12.
Shorts or similar article, Men's. S. H. Brenner. 165,902, Feb. 12.
Sock, Lady's. H. E. Crawford. 165,910, Feb. 12.
Spoon or similar article. F. Wagner. 165,950–1, Feb. 12.
Stocking. I. Rabinowitz. 165,936, Feb. 12.
Stocking. J. M. Schneider. 165,938–9, Feb. 12.
Tool, Combination hunter's utility. W. A. Uttz. 165,949, Feb. 12.
Toy horn. J. Thompson. 165,946, Feb. 12.
Toy, Walking. L. J. Campbell. 165,903–6, Feb. 12.
Utensil, Cooking. J. C. Hampshire. 165,917, Feb. 12.
Visor, Sun. C. E. Stow. 165,943, Feb. 12.
Waist girdle. R. D. Tys. 165,948, Feb. 12.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF FEBRUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acidizing packer. C. Ware. 2,585,706, Feb. 12.
Activated addition halogenation. H. B. Dykstra. 2,584,992, Feb. 12.
Adhesive structure. H. H. Talboys. 2,585,515, Feb. 12.
Adjustable attachment for shirt collars. J. V. Schafer. 2,585,690, Feb. 12.
Adjustable Schmidt television projector mounting. L. H. Davis and G. H. Blaker. 2,585,746, Feb. 12.
Adjustable tie holder. H. C. Vaisey and W. H. Meeker. 2,585,603, Feb. 12.
Adsorption process, Continuous. J. L. Olsen. 2,585,490–2, Feb. 12.
Air conditioner and humidifier. C. J. Kalmadge. 2,585,132, Feb. 12.
Air-cooling and heating apparatus. S. De Silvestro. 2,585,748, Feb. 12.
Aircraft pressurizing and cooling system. B. L. Messinger and H. M. Cousins. 2,585,570, Feb. 12.
Aircraft rudder control column. R. Saulnier. 2,585,688, Feb. 12.
Aircraft wing and flap with boundary layer control. P. Poisson-Quinton. 2,585,676, Feb. 12.
Air inlet structure for the engine compartment of streamlined vehicles having rear engines. R. Březek. 2,585,220, Feb. 12.
Air nozzle and ionizing unit for electrostatic air filters. G. F. Landgraf. 2,585,138, Feb. 12.
Air vent, Vacuum controlled. P. H. Fitzgerald. 2,585,236, Feb. 12.
Alarm mechanism. J. G. Jones. 2,585,784, Feb. 12.
Aliphatic acids, Production of. F. W. Banes, W. P. Fitz Gerald, and J. F. Nelson. 2,585,723, Feb. 12.
Alkali resistant alkylene polyamine modified phenol-formaldehyde resin. R. K. Walton. 2,585,196, Feb. 12.
Alkyl thiophenes, Preparation of. W. J. Zimmerschied and R. C. Arnold. 2,585,292, Feb. 12.
Alpha sodium tetrasilicate, Manufacture of. J. H. Wills. 2,585,609, Feb. 12.
Aluminum die-casting machine. W. B. Beuscher. 2,585,297, Feb. 12.
Aluminum optical mirror and making same. J. A. Howe and M. T. Nevalonny. 2,585,128, Feb. 12.
Amine-epoxide compositions. S. O. Greenlee. 2,585,115, Feb. 12.
Amine salt of penicillin. A. P. Granatek. 2,585,239, Feb. 12.
Ammunition cartridge gauge. H. Wandrus. 2,585,521, Feb. 12.
Amplifier, Band pass. J. C. Achenbach, S. I. Tourshou, and D. Mackey. 2,585,717, Feb. 12.
Amplifier, Beam deflection tube. R. R. Law and F. H. Norman. 2,585,798, Feb. 12.
Andirons with auxiliary log packing means, Fireplace. R. E. Wellman. 2,585,523, Feb. 12.
Animal controlled watering device. C. H. Harmon. 2,585,347, Feb. 12.
Anion exchange resins and treating mineral oils. H. D. Hartough, P. D. Caesar, and S. J. Lukasiewicz. 2,585,652, Feb. 12.
Annealing furnace. C. M. Yaeger. 2,585,892, Feb. 12.
Antenna mechanism. C. F. Spahn, Jr. 2,585,866, Feb. 12.
Antenna, Receiving. R. B. Dome. 2,585,636, Feb. 12.
Antenna system, Directive. W. D. Lewis. 2,585,562, Feb. 12.
Antenna systems, Television and high-frequency. M. P. Middlemark. 2,585,670, Feb. 12.
Anthraquinone dyestuff for wool. D. I. Randall and E. E. Renfrew. 2,585,682, Feb. 12.
Antigas fading anthraquinone dyes. D. I. Randall and E. E. Renfrew. 2,585,681, Feb. 12.
Antiskid composition and making same. T. E. Boyle. 2,585,219, Feb. 12.
Antiskid device. A. Kurtz. 2,585,795, Feb. 12.
Apparatus for annealing strip. E. J. Seabold. 2,585,277, Feb. 12.
Apparatus for accelerating electrons. H. Hartmann. 2,585,549, Feb. 12.
Apparatus for chucking blocks of lenses on generating machines. J. R. Turner and J. A. Pellman. 2,585,287, Jan. 12.
Apparatus for concentrating ores and the like. T. S. Bailey, Jr. 2,584,976, Feb. 12.
Apparatus for continuous cooking. G. Ashton. 2,585,293, Feb. 12.
Apparatus for cooking edible imitation hollow corncobs. R. Friddell. 2,585,000, Feb. 12.
Apparatus for drilling lateral bores deviating from vertical well bores. J. A. Zublin. 2,585,207, Feb. 12.
Apparatus for generating repeated electric pulses. W. M. Michaelis. 2,585,817, Feb. 12.
Apparatus for launching aerial torpedoes from aircraft. P. W. Noaker. 2,585,030, Feb. 12.
Apparatus for perforating distortable material. P. L. Kline. 2,585,252, Feb. 12.
Apparatus for recovering volatile materials. E. F. Drew. 2,585,638, Feb. 12.
Apparatus for scheduling and following production operations. F. W. Sammons. 2,585,042, Feb. 12.
Apparatus for sizing tubing. B. E. Frank. 2,585,450, Feb. 12.
Apparatus for sizing tubing. R. I. Hahn and B. E. Frank. 2,585,459, Feb. 12.
Apparatus for smoking fish. G. A. Lawrence. 2,585,799, Feb. 12.
Apparatus for spraying particles of insulating material. J. L. Kempthorne. 2,585,133, Feb. 12.
Apparatus for testing crystal rectifiers. P. D. Strum. 2,585,353, Feb. 12.
Apparatus for testing gear teeth. A. Aeppli. 2,585,528, Feb. 12.
Apparatus for the measurement of high-frequency power. J. C. Frommer. 2,585,001, Feb. 12.
Apparatus for ultrasonic treatment of liquids. B. D. Fitzgerald. 2,585,103, Feb. 12.
Article counting and filling. E. E. Lakso. 2,585,558, Feb. 12.
Article holder. J. E. Dorsey. 2,585,231, Feb. 12.
Article transfer arrangement. L. J. Owen. 2,585,674, Feb. 12.
Artificial tooth. J. D. Schwartz. 2,585,857, Feb. 12.
Artificial tooth with retention means. J. D. Schwartz. 2,585,858, Feb. 12.
Attachment device. A. E. Du Bois. 2,585,302, Feb. 12.
Attachment for blindstitch sewing machines. J. Galkin. 2,585,307, Feb. 12.
Automatic axial pressure device applicable to friction drives. F. Perruca. 2,585,830, Feb. 12.
Automatic lathe. C. A. Bickel, S. A. Brandenburg, and T. Foster. 2,585,217, Feb. 12.
Automatic volume control for seismic amplifiers. C. B. Scott. 2,585,854, Feb. 12.
Automobile body repair tool. G. J. Morgenthaler. 2,585,158, Feb. 12.
Automobile fender flap clamp. W. McCollum, Jr. and J. M. Wallace. 2,585,397, Feb. 12.
Automobile seat for children, Auxiliary. A. A. Bachand. 2,585,721, Feb. 12.
Auxiliary camera break-in for television transmission systems. E. S. Purington and J. H. Hammond, Jr. 2,585,034, Feb. 12.
Awning, Metal. C. F. Markie. 2,585,147, Feb. 12.
Back rest, Adjustable. H. H. Eichorst. 2,585,447, Feb. 12.
Bag: *See*—
Elastic closure fruit bag.
Bag having independently accessible compartments, Traveling. K. L. Crosby. 2,585,745, Feb. 12.
Balanced electronic inverter. J. D. Eisler and R. E. Hartline. 2,585,377, Feb. 12.
Balancing wheel-tire assemblies, Means for. J. Lencki. 2,585,140, Feb. 12.
Balancing wheels. P. L. Loewe. 2,585,802, Feb. 12.
Banded pressure vessels, Making. C. H. Gay. 2,585,237, Feb. 12.
Bar: *See*—
Home bar. Shock absorbing tow bar.
Base for motion-picture projectors. F. Lustig. 2,585,258, Feb. 12.
Basket, Collapsible. C. C. Averill. 2,585,422, Feb. 12.
Batch feeding apparatus. G. Ashton. 2,585,294, Feb. 12.
Bearing for axle boxes. J. P. Kostoinik. 2,585,017, Feb. 12.
Bearings, Making. A. L. Boegehold. 2,585,430, Feb. 12.
Bedease, Patients'. O. B. Kjos and H. A. Korda. 2,585,660, Feb. 12.
Bell striking device, Electric. C. Meneely and A. W. Miller. 2,585,569, Feb. 12.
Belt-supporting device. E. L. Moore. 2,585,157, Feb. 12.
Benzothiazole-2-dimethylsulfinamide and preparing the same. G. Mingasson. 2,585,155, Feb. 12.
Berth. R. G. Cudini. 2,585,632, Feb. 12.
β-lactones employing a uranyl salt catalyst, Preparing. J. R. Caldwell. 2,585,223, Feb. 12.

Beta-methylene-beta-propiolactone copolymers. D. D. Coffman. 2,585,537, Feb. 12.
Bituminous emulsion, Quick-breaking. P. E. McCoy. 2,585,336, Feb. 12.
Blade for hones. J. J. Palotsee. 2,585,402, Feb. 12.
Blast furnace. A. J. Macdonald. 2,585,394, Feb. 12.
Bleeder and equalizer for blast furnaces. K. G. Le Viseur and L. Larson. 2,585,800, Feb. 12.
Block forming apparatus. G. A. Vesper. 2,585,193, Feb. 12.
Boat lift. E. D. Le May and E. K. White. 2,585,664, Feb. 12.
Body supported flashlight holder. C. M. Sears. 2,585,592, Feb. 12.
Bolt or cap screw, Self-locking. C. W. Brandon. 2,585,621, Feb. 12.
Book display device. I. Politzer. 2,585,586, Feb. 12.
Bookbinding machinery. J. A. E. Burls. 2,585,433, Feb. 12.
Bookmarking device. E. T. Armand. 2,585,421, Feb. 12.
Boot and the like. L. J. McGarry. 2,585,260, Feb. 12.
Bottle carrier. M. E. Palmquist and E. W. Lundstrom. 2,585,032, Feb. 12.
Box: *See*—
Lunch box.
Box blank handling machine. J. Bandura, R. J. Baisley, J. Pfeffer, and C. D. Keely. 2,585,076, Feb. 12.
Box for displaying contents. M. M. Tierney. 2,585,056, Feb. 12.
Boxed produce carloading. H. C. Pierce. 2,585,269, Feb. 12.
Brake control, Hydraulic. G. H. Whitney and A. J. Rosso. 2,585,711, Feb. 12.
Brake position controlled switch. S. Zenteckl. 2,585,206, Feb. 12.
Branding device, Portable. D. C. Severance. 2,585,504, Feb. 12.
Brassière. W. Kurland. 2,585,137, Feb. 12.
Brassière slip, Combination. R. Marin. 2,585,567, Feb. 12.
Breech closing construction for firearms. M. H. Walker. 2,585,195, Feb. 12.
Brick from nonrefractory raw clay, Manufacturing. H. A. Gronroos. 2,585,116, Feb. 12.
Bricklayer's guide. J. R. Munn. 2,585,160, Feb. 12.
Bridged T phase shifter. P. H. Richardson. 2,585,841–2, Feb. 12.
Bubbler fountain head. R. A. Rosenblum. 2,585,845, Feb. 12.
Buckle. M. C. Becker. 2,585,619, Feb. 12.
Building. E. P. Simon. 2,585,051, Feb. 12.
Bunion pad and the like. C. F. Crawford. 2,585,629, Feb. 12.
Burner: *See*—
Vaporizing oil burner.
Burnishing device for preformed channels. W. J. Phaneuf. 2,585,166, Feb. 12.
Bust supporter. L. J. Meares. 2,585,338, Feb. 12.
Cabinet: *See*—
Typewriter cabinet.
Cabinet door hinge structure. O. E. Ryman. 2,585,849, Feb. 12.
Cabinet for dehydrating air, Portable. H. J. Kaufman. 2,585,787, Feb. 12.
Cable reel. J. C. Morley. 2,585,159, Feb. 12.
Cable tension regulator. H. Weber. 2,585,358, Feb. 12.
Cable terminal connector. O. H. Thomas and T. E. Snyder. 2,585,055, Feb. 12.
Calculator and stand, Work time. L. L. Fattor. 2,585,642, Feb. 12.
Calculator for low-voltage alternating current distribution systems, Interrupting capacity. N. S. Spencer. 2,585,595, Feb. 12.
Camera, Fast X-ray diffraction. H. H. Claassen and K. E. Beu. 2,585,740, Feb. 12.
Canopy construction. S. B. Korman and M. Harrison. 2,585,256, Feb. 12.
Cap forming device with edge reforming control device. F. Scibelli. 2,585,047, Feb. 12.
Car: *See*—
Toy railroad dump car.
Carbamate-quaternary ammonium compounds and their preparation. R. T. Olsen. 2,585,826, Feb. 12.
Carboxylated methyl cellulose with quaternary ammonium compound as topical remedy. H. A. Shelanski. 2,585,048, Feb. 12.
Carburetor. R. A. Pyle. 2,585,171, Feb. 12.
Carrier: *See*—
Bottle carrier.
Cart, Tote. B. E. Williams. 2,585,360, Feb. 12.
Carton setup machine. L. E. Arneson. 2,585,074, Feb. 12.
Carton setup machine. J. J. Wetzler. 2,585,201, Feb. 12.
Carton with cover convertible to easel, Display. M. I. Williamson. 2,585,361, Feb. 12.
Cartridge for multicolor ball point pens. P. Kollsman. 2,585,016, Feb. 12.
Cartridge guide device for repeating firearms. E. W. Chapin and L. Elkas. 2,585,738, Feb. 12.
Case: *See*—
Combined carrying and studying case.
Casket, Hermetically sealed burial. A. J. Woltering. 2,585,363, Feb. 12.
Casket rack for hearses, Fold-away. E. L. Schofield. 2,585,046, Feb. 12.
Casket seal structure. B. F. Paul. 2,585,403, Feb. 12.
Casting equipment. G. C. Kohl. 2,585,662, Feb. 12.
Catalysis of alkyl aromatic isomerization. G. E. Langlois. 2,585,899, Feb. 12.
Catalytic apparatus. J. H. Hirsch. 2,585,462, Feb. 12.
Catalytic reactor. P. W. Cornell and E. Cotton. 2,585,441, Feb. 12.
Catalytic reactor. E. H. Reichl. 2,585,274, Feb. 12.
Catalytic reforming process. C. L. Carpenter. 2,585,737, Feb. 12.
Cathode-ray tube sweep system. A. Frum. 2,585,002, Feb. 12.
Cementing of wells. R. F. Farris. 2,585,378, Feb. 12.
Centrifugal separator. H. R. Drury. 2,585,753, Feb. 12.
Centrifugally operated switch. G. J. Butterworth. 2,584,983, Feb. 12.
Chair and pail, Combined hospital. G. W. Harris. 2,585,771, Feb. 12.
Change maker and circuit therefor. C. B. Adams and F. E. Wallin. 2,585,718, Feb. 12.
Charge storage television tube. C. E. Hallmark 2,585,008, Feb. 12.
Charging batteries, Method and apparatus for. J. R Godshalk and L. A. Medlar. 2,585,005, Feb. 12.
Checkbook. S. M. Silver. 2,585,179, Feb. 12.
Cheese, Manufacture of. L. L. Rusoff and A. J. Gelpi, Jr. 2,585,501, Feb. 12.
Chemical container and package. S. Wallace. 2,585,289, Feb. 12.
Chip ice from sea water, Production of. J. H. Lessard and G. M. Lees. 2,585,021, Feb. 12.
Chlorine dioxide gas, Preparing. J. W. Sevön and F. V. Sundman. 2,585,593, Feb. 12.
Chloromethanes, Manufacture of. P. R. Johnson. 2,585,469, Feb. 12.
Circuit: *See*—
Combination second detector, noise limiter, and gain-control circuit.
Compressor control circuit.
Delay action filter circuit.
Digit shifting circuit.
Frequency discriminating circuit.
Pulse width discriminator circuit.
Radio-frequency transmission line circuit.
Voice frequency signaling circuit.
Circuit breaker. A. Van Ryan. 2,585,879, Feb. 12.
Circuit breaker, Electrical. M. B. Wood. 2,585,068, Feb. 12.
Circuit for preventing excessive transients, Electrical. H. K. Ziegler. 2,585,069, Feb. 12.
Circuits for use in diathermy, Oscillator. E. H. Guboff and R. Binney. 2,585,007, Feb. 12.
Clamp: *See*—
Automobile fender flap clamp.
Flange holding clamp.
Resilient clamp.
Clasp for cuffs and the like. G. G. and S. Stavropoulos. 2,585,181, Feb. 12.
Cleaner: *See*—
Expansion joint cleaner.
Clip for holding electrical conducting wires to insulating supports. L. Johnson. 2,585,249, Feb. 12.
Closure fastening device. W. Dzus. 2,585,233, Feb. 12.
Closure for containers, Slitted resilient. J. M. Adams. 2,585,527, Feb. 12.
Closure for exhaust pipes. C. H. Harmon and D. L. Fort. 2,585,548, Feb. 12.
Closure for paint cans. M. D. McCauley. 2,585,334, Feb. 12.
Closure for tanks containing battery cells. C. H. O. Lilbeck. 2,585,564, Feb. 12.
Closure operating means. R. S. Hartman. 2,585,122, Feb. 12.
Clothes hanger guard. K. Youngblood. 2,585,715, Feb. 12.
Clothesbasket. D. H. Bitney. 2,585,428, Feb. 12.
Clubfoot splint. W. H. Morgan. 2,585,342, Feb. 12.
Clutch: *See*—
Impact type clutch.
Clutch and brake for grinding apparatus. R. E. Allen and W. F. Utzinger. 2,585,365, Feb. 12.
Clutch control mechanism. C. M. Eason. 2,585,234, Feb. 12.
Clutch device. E. Barany. 2,585,725, Feb. 12.
Coating and cooking frankfurters. G. J. and R. J. Wright. 2,585,364, Feb. 12.
Cold air retaining device for refrigerators. G. T. Kuchler. 2,585,136, Feb. 12.
Collet chuck. B. Denzler. 2,585,747, Feb. 12.
Color temperature and exposure meter. W. H. Harrison. 2,585,245, Feb. 12.
Comb, Receptacle. J. Lattuca. 2,585,561, Feb. 12.
Combination apparatus for liquid fuel. G. Bernhard. 2,585,081, Feb. 12.
Combination automatic clutch and variable-speed transmission. F. F. Braman. 2,585,732, Feb. 12.
Combination second detector, noise limiter, and gain control circuit. K. R. Wendt and G. C. Sziklai. 2,585,883, Feb. 12.
Combined carrying and studying case. S. M. Abbott. 2,585,209, Feb. 12.
Commutator assembling machine. E. H. Kroener. 2,585,792, Feb. 12.
Compact, Lighted. G. Friedlund. 2,585,452, Feb. 12.
Compartment lock. H. J. Feldman. 2,585,643, Feb. 12.

Compensated electron discharge measuring device. W. C. Elmore. 2,585,639, Feb. 12.
Compensating device for a magnetic recording-reproducing head. M. Camras. 2,584,984, Feb. 12.
Composition for cleaning aluminum and aluminum alloy surfaces preparatory to spot welding. E. R. Holman and J. L. Mathis. 2,585,127, Feb. 12.
Composition for removing corrosion reaction products from metals. L. M. Peters. 2,585,165, Feb. 12.
Compositions comprising acrylonitrile polymers and acylated hexahydro-S-triazines. H. J. Hagemeyer, Jr. and H. N. Wright, Jr. 2,585,242, Feb. 12.
Compositions of tin oxide, Making. J. M. Mochel. 2,585,341, Feb. 12.
Compressor control circuit. H. H. Platts. 2,585,168, Feb. 12.
Computer of the slide rule type, Navigational. O. E. Batori. 2,585,618, Feb. 12.
Concentric optical system. F. C. P. Henroteau. 2,585,009, Feb. 12.
Concrete structure and grouting assembly. A. E. Troiel. 2,585,192, Feb. 12.
Condensation polymers of hydroxy acetic acid, Preparing. M. L. Beck. 2,585,427, Feb. 12.
Conductive designs, Making. S. W. Strickman. 2,585,700, Feb. 12.
Confection enrober apparatus. M. M. Guggenheim. 2,585,765, Feb. 12.
Connector: *See*—
Cable terminal connector.
Connector for apparel. J. V. Schafer. 2,585,689, Feb. 12.
Container: *See*—
Rosin container.
Container and closure cap therefor, Cylindrical. E. B. Turner. 2,585,602, Feb. 12.
Container for knitting and knitting accessories. M. M. Lerner and N. P. Weinheimer. 2,585,476, Feb. 12.
Container with measuring and dispensing means. G. B. Warren. 2,585,198, Feb. 12.
Control apparatus. A. E. Bank. 2,585,295, Feb. 12.
Control apparatus. J. Harrington, Jr. 2,585,120, Feb. 12.
Control of impedance of semiconductor amplifier circuits. H. L. Barney. 2,585,077, Feb. 12.
Control means for the throttle valves of internal-combustion engines. W. A. McDonald. 2,585,814, Feb. 12.
Control system for electrical musical instruments. W. C. Wayne, Jr. 2,585,357, Feb. 12.
Control system for motor vehicle window operators. A. Rappl. 2,585,587, Feb. 12.
Control system for photographic document copying machines. A. E. Schubert, J. F. Egan, and R. S. Hopkins. 2,585,276, Feb. 12.
Control system for taxicab meters. E. E. Libman. 2,585,665, Feb. 12.
Controller. J. W. Robins. 2,585,347, Feb. 12.
Controlling means for fluid-operated machines. B. Jorgensen. 2,585,131, Feb. 12.
Conveyer. O. A. Steffens. 2,585,414, Feb. 12.
Conveyer mechanism for confectionary machines. G. S. Perkins. 2,585,829, Feb. 12.
Conveying apparatus for beheaded fish. N. L. Oates. 2,585,267, Feb. 12.
Cooler: *See*—
Cream cooler.
Cooling and sealing means for disk atomizer shafts. C. Andermatt. 2,584,973, Feb. 12.
Cooling off of sand and gravel. J. D. Christian. 2,585,739, Feb. 12.
Cooling system for V-engines. C. H. Bouvy. 2,585,083, Feb. 12.
Coordinated turn controller for automatic pilot systems. P. A. Noxon. 2,585,162, Feb. 12.
Copolymers of methacrylanilide with higher alkyl acrylic esters. W. E. Catlin. 2,584,968, Feb. 12.
Cord clamping means. J. Ertel. 2,585,543, Feb. 12.
Coring wells, Method and apparatus for. R. L. Hendrickson. 2,585,386, Feb. 12.
Counterweight, Self-locking. E. M. Frye. 2,585,646, Feb. 12.
Coupler operating mechanism. H. H. Wolfe. 2,585,889, Feb. 12.
Coupling: *See*—
Variable-speed coupling.
Cover: *See*—
Mattress cover. Tray cover.
Soap holder cover.
Cracked ice, Making. J. H. Lessard and G. M. Lees. 2,585,020, Feb. 12.
Cream cooler. M. M. Guggenheim. 2,585,766, Feb. 12.
Crusher, Cornstalk. D. A. and R. E. Bennett. 2,585,296, Feb. 12.
Cultivator attachment. L. A. Metcalf. 2,585,669, Feb. 12.
Cup, Child's drinking. K. A. Dingeldein. 2,585,445, Feb. 12.
Cup, Mixer. R. E. Preiss. 2,585,835, Feb. 12.
Curler, Hair. A. Zachary. 2,585,611, Feb. 12.
Curling iron. A. F. Flournoy. 2,584,999, Feb. 12.
Curtain, Refractory. L. H. Hosbein. 2,585,552, Feb. 12.
Curtain ring. E. J. Roy. 2,585,500, Feb. 12.
Cushion device, Reversible. W. A. Toms. 2,585,415, Feb. 12.
Cutter: *See*—
Seal cutter.
Cutting machine, Doughnut. M. M. Fulmer. 2,585,379, Feb. 12.
Cyclic progression game table set. F. S. Greene. 2,585,380, Feb. 12.
Danger detecting means for gas distributing systems. G. L. Weissman and H. A. Graffis. 2,585,882, Feb. 12.
Decimal indicator. F. A. Niemann. 2,585,578, Feb. 12.
Deck hatch structure. H. E. Kennedy. 2,585,134, Feb. 12.
Degasification of liquids. L. W. Petersen. 2,585,831, Feb. 12.
Delay-action filter circuit. H. Wolfe. 2,585,890, Feb. 12.
Dentures, Preparing. N. G. Kaye. 2,585,788, Feb. 12.
Deodorizer apparatus and germ destroyer. G. L. Miller. 2,585,339, Feb. 12.
Derivative of cyclohexene, Preparation of a. J. H. Chapman. 2,584,969, Feb. 12.
Derivatives of bis-(1-amino-anthraquinone-6-sulfo)-piperazid. W. Jenny and W. Kern. 2,585,555, Feb. 12.
Destroying pests comprising the application of the dibutyl acetal of aminoacetaldehyde to the pest. E. M. Owen. 2,585,493, Feb. 12.
Detachably retaining machine elements and mechanisms. A. C. Nielsen. 2,585,577, Feb. 12.
Detecting ionizing radiations. R. Hofstadter. 2,585,551, Feb. 12.
Device for changing the loading of aircraft wings. J. Makhonine. 2,585,480, Feb. 12.
Device for controlling the speed of motor vehicles. E. Kaeppler. 2,585,785, Feb. 12.
Device for cutting worms for fish food. E. S. Walker. 2,585,881, Feb. 12.
Device for facilitating the starting of engines. R. H. Sager. 2,585,850, Feb. 12.
Device for forming sound records. O. Wittel. 2,585,291, Feb. 12.
Device for generation of high pressure. J. Moravec. 2,585,818, Feb. 12.
Device for introducing solid materials into molten metals. E. W. Pierce. 2,585,404, Feb. 12.
Device for transformation of a measuring quantity into movements of adjustable members. S. A. Holmqvist. 2,585,317, Feb. 12.
Dew point measuring apparatus. A. B. Dember. 2,584,988-9, Feb. 12.
Dial indicator. W. E. Carroll. 2,585,368, Feb. 12.
Dibenzylamine salts of penicillin. F. H. Buckwalter. 2,585,432, Feb. 12.
Die: *See*—
Pulp molding die.
Differential control. S. C. Rockafellow. 2,585,589, Feb. 12.
Digit shifting circuit. L. P. Crosman. 2,585,630, Feb. 12.
Direct reading eddy current dynamometer. W. H. Lee and E. D. Smith. 2,585,475, Feb. 12.
Discontinuous, conducting coatings upon insulating surfaces, Production of. S. O. Dorst. 2,585,752, Feb. 12.
Dish for corn on the cob, Serving. J. W. Rosendahl. 2,585,174, Feb. 12.
Disk chipper with horizontally inclined rotary axes. P. N. Ottersland. 2,585,673, Feb. 12.
Dispenser: *See*—
Liquid dispenser.
Dispenser having sliding valve for dispensing measured quantities of powder, Tooth powder. M. E. Cook. 2,585,299, Feb. 12.
Dispensing apparatus, Bottle. E. C. Johnson. 2,585,011-12, Feb. 12.
Dispensing closure for paper powder containers. H. K. Dickerman and J. N. Brown. 2,585,373, Feb. 12.
Dispensing device for dispensing liquids, semiliquids, and powders. E. Gronemeyer and S. Cherba. 2,585,381, Feb. 12.
Distortable fastener. R. J. Miller. 2,585,485, Feb. 12.
Distribution unit for ventilating systems. T. E. McDowell. 2,585,666, Feb. 12.
Diving apparatus. W. Wiggins, Jr. 2,585,712, Feb. 12.
Door: *See*—
Vision light metal slat rolling door.
Door check mechanism. M. Carlson. 2,585,625, Feb. 12.
Door closer. H. A. Simpson. 2,585,413, Feb. 12.
Door handle and lock shield, Automobile. M. V. King. 2,585,331, Feb. 12.
Double grip collet-type chuck. E. R. Smith. 2,585,510, Feb. 12.
Drain valve. K. Parker. 2,585,675, Feb. 12.
Drainage receptor. S. P. Zaetz. 2,585,716, Feb. 12.
Drawoff tap for liquid-containing cartons. T. H. Daniels. 2,585,538, Feb. 12.
Drier: *See*—
Hair drier.
Drilling machine. H. F. Martin. 2,585,025, Feb. 12.
Drive for rotary mechanical seals with O rings. G. E. Montgomery. 2,585,154, Feb. 12.
Dry seal pressure type gasholder. J. H. Wiggins. 2,585,203, Feb. 12.

Drying, concentrating by evaporation, or distilling heat-sensitive substances. J. E. Nyrop. 2,585,825, Feb. 12.
Dyeing furs using an aqueous alcohol solution of a complex metal compound of an azo dyestuff free from acid groups. R. Wittwer. 2,585,610, Feb. 12.
Effecting calibration of the tire inflator spring of tire inflating apparatus. D. S. Willson. 2,585,362, Feb. 12.
Effecting the fluidized catalytic conversion of a reactant stream, Method and apparatus for. C. G. Gerhold. 2,585,238, Feb. 12.
Elastic and fibrous building composition. C. Mack. 2,585,806, Feb. 12.
Elastic closure fruit bag. F. Belmont. 2,585,214, Feb. 12.
Electric cladding. M. W. Marshall and J. H. Waxmeiler. 2,585,568, Feb. 12.
Electric controlling apparatus. F. G. Logan. 2,585,332, Feb. 12.
Electric glass melting process. R. Gallois. 2,585,761, Feb. 12.
Electric iron holder. O. Fjermestad. 2,585,758, Feb. 12.
Electric motor control system. R. V. Werner. 2,585,710, Feb. 12.
Electric switch. E. E. Noyes. 2,585,824, Feb. 12.
Electrical cell apparatus for detecting chemical characteristics of liquids. C. F. Wallace. 2,585,059, Feb. 12.
Electrical cell apparatus for testing liquids. C. F. Wallace. 2,585,060, Feb. 12.
Electrical conductivity testing apparatus. R. B. Hartman. 2,585,121, Feb. 12.
Electrical fuse cutout. R. A. Gesellschap. 2,585,003, Feb. 12.
Electrochemical method of automatically determining available chlorine in an aqueous liquid. H. C. Marks. 2,585,811, Feb. 12.
Electrode and making same. J. B. Brennan. 2,584,980, Feb. 12.
Electrodynamic bifilar oscillograph for noiseless sound recording on films. H. Thiemann. 2,585,190, Feb. 12.
Electromagnetic recording head. M. F. Royston. 2,585,040, Feb. 12.
Electron discharge apparatus. A. I. Vangreen. 2,585,057, Feb. 12.
Electron discharge device of the magnetron type. W. C. Brown. 2,585,084, Feb. 12.
Electron gun. J. R. Pierce. 2,585,582, Feb. 12.
Electronic multiplex to start-stop extensor. R. D. Slayton. 2,585,282, Feb. 12.
Engine: *See*—
Free piston combustion engine.
Engine crankcase scavenging apparatus. M. W. Phillips. 2,585,495, Feb. 12.
Engine having electric arc heating means, Valveless pulse jet. G. E. Mallinckrodt. 2,585,810, Feb. 12.
Esters of aliphatic triols. R. R. Whetstone and D. E. Winkler. 2,585,884, Feb. 12.
Ether-plasticized compositions. G. L. Goelling and K. H. Adams. 2,585,750, Feb. 12.
Ethylene oxide, Production of. F. C. Mawer. 2,585,483, Feb. 12.
Expansion joint cleaner. G. D. Eder. 2,584,993, Feb. 12.
Exposing apparatus for photographic contact printing. L. P. F. van der Grinten. 2,585,519, Feb. 12.
Extraction apparatus and method. A. B. Kennedy. 2,585,473, Feb. 12.
Eyecup attachment for containers. H. L. Mock. 2,585,264, Feb. 12.
Fabric: *See*—
Knitted fabric. Woven fabric.
Fabric strip and holder therefor. A. B. Wester, Jr. 2,585,061, Feb. 12.
Facilitating the laying of masonry units. P. H. Sommers. 2,585,283, Feb. 12.
Fan blade structure. G. L. Moeller. 2,585,265, Feb. 12.
Fastener: *See*—
Distortable fastener. Snap fastener.
Fastener receptacle. C. J. Gunther. 2,585,241, Feb. 12.
Fastening means for structural sandwiches. R. Kreimendahl. 2,585,557, Feb. 12.
Fatty compounds, Preparing. A. I. Gebhart and J. Ross. 2,585,129, Feb. 12.
Faucet, Mixing. J. L. Hudson. 2,585,247, Feb. 12.
Feeder: *See*—
Live stock feeder.
Feeder for fowl. C. M. Morton. 2,585,400, Feb. 12.
Feeding and refuse separating apparatus for cotton ginning mechanism. W. G. Doss. 2,585,301, Feb. 12.
Film scansion apparatus. F. J. Somers. 2,585,865, Feb. 12.
Filter: *See*—
Selective wave filter. Wave filter.
Filter and vapor lock controller. W. J. Linn. 2,585,797, Feb. 12.
Filter shaker for suction cleaners. D. G. Smellie. 2,585,508, Feb. 12.
Fire escape. F. A. Thoennes. 2,585,876, Feb. 12.
Fire extinguishing system, Local automatic. G. F. Rooke. 2,585,039, Feb. 12.
Firing mechanism for semi-automatic firearms and safety therefor. C. H. Benson. 2,585,620, Feb. 12.
Fish lure. W. S. Johnston. 2,585,783, Feb. 12.
Fish lure. A. Pelto. 2,585,494, Feb. 12.
Flange holding clamp. G. R. Newlon, Jr. 2,585,343, Feb. 12.
Flash sight for shotguns. S. J. Procos. 2,585,345, Feb. 12.
Fluid mixing device. C. L. Barker. 2,585,726, Feb. 12.
Fluorescent zinc oxide, Making. B. L. Hirsch. 2,585,461, Feb. 12.
Fluorocarbons, Producing. R. D. Fowler, W. B. Burford, III, and H. C. Anderson. 2,585,644, Feb. 12.
Flush ball control tank. B. D. Stuvel. 2,585,513, Feb. 12.
Foam generating apparatus. D. Conto. 2,585,092, Feb. 12.
Folder: *See*—
Miniature tube folder.
Follower for card filing trays. C. M. Abrahamson. 2,585,612, Feb. 12.
Food catching apron for chairs. G. H. Caponera. 2,585,434, Feb. 12.
Footage indicator in a motion-picture camera viewer. L. Frankel. 2,585,451, Feb. 12.
Forming concrete pipes, Method and apparatus for. H. X. Eschenbrenner. 2,585,756, Feb. 12.
Forming embossed rug cushions. J. C. Gordon. 2,585,108, Feb. 12.
Forming nylon strip stock. E. E. Montross. 2,585,156, Feb. 12.
Fountain, Printing press ink. A. Taylor. 2,585,598, Feb. 12.
4-tertiary alkyl chlorophenoxyacetic acids and the use thereof as plant hormone synergists. M. W. Swaney and L. Z. Jasion. 2,585,875, Feb. 12.
Free piston combustion engine. C. B. Bright. 2,584,981, Feb. 12.
Frequency discriminating circuit. V. R. Briggs. 2,585,532, Feb. 12.
Frequency divider. J. A. Baird. 2,585,722, Feb. 12.
Fuel burner controller. P. F. Shivers. 2,585,278, Feb. 12.
Fuel pump. W. Friedlander. 2,585,544, Feb. 12.
Fuel supply system for helicopter with jet-driven rotor. V. Isacco. 2,585,468, Feb. 12.
Furnace: *See*—
Annealing furnace. Blast furnace.
Gain control apparatus. R. W. Sanders. 2,585,044, Feb. 12.
Game apparatus for teaching the use of the multiplication table. J. E. I. Gordon. 2,585,458, Feb. 12.
Game board and multiple elements therefor. P. Olsen. 2,585,268, Feb. 12.
Game board and playing pieces. C. S. Horine. 2,585,463, Feb. 12.
Game board with sliding panel, Baseball. B. V. Marschke. 2,585,259, Feb. 12.
Gamma-ethyl-gamma-methylpimelates, Preparing. M. I. Robinson and R. W. Auten. 2,585,409, Feb. 12.
Garment construction, Union overall. J. F. Reynolds. 2,585,840, Feb. 12.
Garment hanger. A. D'Ambrosio. 2,585,094, Feb. 12.
Gas analysis apparatus. L. S. Hazeltine and L. A. Stanfield. 2,585,314, Feb. 12.
Gas turbine unit for driving electric generators. C. Nicolin, O. A. Wiberg, and F. E. O. Östmar. 2,585,576, Feb. 12.
Gate: *See*—
Vehicle actuated gate.
Gate. J. B. Merchant. 2,585,152, Feb. 12.
Gate latch. G. W. Schweitzer. 2,585,177, Feb. 12.
Gauge: *See*—
Ammunition cartridge gauge. Tire pressure gauge.
Water gauge.
Gauge for pressure tanks, Liquid level. H. A. Quist. 2,585,680, Feb. 12.
Gear: *See*—
Hauling and hoisting gear.
Gear finishing machine. W. S. Praeg. 2,585,271, Feb. 12.
Gear finishing machine, Automatic. W. S. Praeg. 2,585,272, Feb. 12.
Gear-finishing method. M. B. Mentley. 2,585,261, Feb. 12.
Gearing for grain drills. R. R. Borngraeber. 2,585,218, Feb. 12.
General utility gripping tool. H. R. Elliott. 2,585,098, Feb. 12.
Generating V-block, Adjustable. G. E. Snyder. 2,585,594, Feb. 12.
Generator: *See*—
Pulse generator. Triangular pulse generator.
Signal generator.
Single pulse generator.
Girdle. S. T. Metz. 2,585,262, Feb. 12.
Glass furnace charging. J. B. Whitmore and F. A. Newcombe. 2,585,607, Feb. 12.
Governing of free piston gas generator power plant. R. J. Welsh. 2,585,200, Feb. 12.
Grading machine, Egg. J. A. Hill. 2,585,124, Feb. 12.
Grain handling. R. Moen and M. S. Dalquist. 2,585,026, Feb. 12.
Gramophone tone arm moving device. J. S. Martin. 2,585,396, Feb. 12.
Granule type acoustic transducer. D. E. Skelton. 2,585,052, Feb. 12.
Grease lubricant. S. Sterman. 2,585,182, Feb. 12.
Grille, Multibumper. N. Bennett. 2,585,530, Feb. 12.
Grinding machine with automatic air gauge sizing, Internal. W. J. Bryant, T. H. Ljunggren, and W. F. Moore. 2,585,533, Feb. 12.
Gun sight mounting. E. J. Martin and J. E. Wilson. 2,585,395, Feb. 12.

Gyroscope, Temperature compensated floated. J. E. Lundberg. 2,585,024, Feb. 12.
Gyroscopic direction indicator. A. T. Sinks, R. A. Pfuntner, and S. Gabrielson. 2,585,693, Feb. 12.
Hair drier. A. L. Bunting. 2,585,735, Feb. 12.
Hall effect alternating current volt-ampere meter. R. A. Warner. 2,585,707, Feb. 12.
Halo-thiouracils. H. W. Barrett. 2,585,615, Feb. 12.
Halter and brassière. H. Lee. 2,585,257, Feb. 12.
Hanger: *See*—
Garment hanger.
Harvester, Celery. F. P., J. G., and J. E. Weid. 2,585,416, Feb. 12.
Harvester, Reciprocating spindle type cotton. A. W. Weems. 2,585,062, Feb. 12.
Hauling and hoisting gear. S. Faure. 2,585,101, Feb. 12.
Hay baler. B. J., M. K., R. A., and M. A. Baskerville, and F. A. B. Lennon and W. J. Baskerville. 2,585,425, Feb. 12.
Hay loader. L. E. Worsdell. 2,585,891, Feb. 12.
Hearing aid apparatus having sectional casing. R. E. Tresise and P. D. Kendall. 2,585,191, Feb. 12.
Heat exchange unit having a trough. L. R. Burr. 2,585,736, Feb. 12.
Heat exchanger. R. A. Sandberg. 2,585,043, Feb. 12.
Heat-treating electrical resistance alloy. V. O. Allen. 2,585,613, Feb. 12.
Heater: *See*—
Rail track heater.
Heating and cooling system for beds. W. R. Tolen. 2,585,517, Feb. 12.
Heating system. J. H. Roper. 2,585,591, Feb. 12.
Heating unit, Electric. D. B. Cox. 2,585,443, Feb. 12.
Hectographic copying device. D. N. Grundberg. 2,585,311, Feb. 12.
High-frequency transmission line, Making. H. C. Menes. 2,585,484, Feb. 12.
High-speed sensitive relay. E. O. Roggenstein. 2,585,684, Feb. 12.
High-temperature electric resistance oven. S. Klein. 2,585,791, Feb. 12.
High-temperature grease. R. A. Butcosk. 2,585,321, Feb. 12.
High-vacuum pump. R. B. Lawrance and J. L. Middleton, Jr. 2,585,139, Feb. 12.
High viscosity hyaluronic acid, Production of. Z. Hadidian and N. W. Pirie. 2,585,546, Feb. 12.
High-voltage rectifier disk. M. O. Juvrud. 2,585,014, Feb. 12.
High-voltage regulator. J. Priedigkeit. 2,585,679, Feb. 12.
Hinge. H. Quigley. 2,585,836, Feb. 12.
Hitch for tractor-drawn plows. J. F. Brown. 2,585,085, Feb. 12.
Hoist attachment for jacks. J. Schmieder. 2,585,856, Feb. 12.
Holder: *See*—
Adjustable tie holder.
Article holder.
Body supported flashlight holder.
Electric iron holder.
Sack holder.
Sandpaper holder.
Home bar. D. C. Rockola. 2,585,590, Feb. 12.
Hood for conveyers. G. H. Frank. 2,585,105, Feb. 12.
Hosiery supporting means. K. Schaffer. 2,585,853, Feb. 12.
Housing for electrical switches and the like. C. A. Woodward. 2,585,887, Feb. 12.
Hull arrangement for sailboats, Spaced. V. C. Tchetchet. 2,585,599, Feb. 12.
Humidifier for the hot-air chambers of air-heating systems. D. L. Getz. 2,585,764, Feb. 12.
Hydrant for railroad yards, Sanitary water. C. E. Sisson. 2,585,694, Feb. 12.
Hydraulic control. H. H. Kehrl. 2,585,389, Feb. 12.
Hydraulic control for finishing rolls of terne plate rigs E. A. Matteson. 2,585,482, Feb. 12.
Hydraulic jack. F. M. Siedenburg. 2,585,351, Feb. 12.
Hydraulic safety device. A. J. and H. R. Sparks. 2,585,511, Feb. 12.
Hydrocarbon oil composition. J. P. McDermott. 2,585,813, Feb. 12.
Hydrodynamic testing apparatus. R. B. Cotton 2,585,442, Feb. 12.
Hydrogenated butadiene-acrylonitrile copolymer. P. S. Pinkney. 2,585,583, Feb. 12.
Hydrogenation of hydrocarbon oils with molybdenum oxide catalyst, Destructive. J. B. McKinley. 2,585,337, Feb. 12.
Hydrokinetic turbine torque converter. R. W. Gregg. 2,585,309, Feb. 12.
Hydrolyzing lactalbumin. G. H. Carlson. 2,585,225, Feb. 12.
Ice block making machine. J. C. Rear and F. J. Bobby. 2,585,498, Feb. 12.
Ice-making machine. M. N. Grow. 2,585,240, Feb. 12.
Ignition control mechanism. N. V. and F. A. Di Lorenzo. 2,585,749, Feb. 12.
Impact type clutch. W. G. Mitchell. 2,585,486, Feb. 12.
Implement for removing indentations from putting greens. M. T. Coelho. 2,585,298, Feb. 12.
Implement frame construction. A. B. Abel. 2,585,208, Feb. 12.
Implement, Smoking. L. N. Sobel. 2,585,696, Feb. 12.
Impregnated cellulose and cellulose esters therefrom, Preparation of. J. C. Thomas. 2,585,516, Feb. 12.
Increasing the productivity of oil wells. E. V. Watts and B. Folda, Jr. 2,585,522, Feb. 12.
Indexing fixture, Rotary. A. H. Pearson. 2,585,828, Feb. 12.
Indicating system. D. G. C. Luck. 2,585,565, Feb. 12.
Indicator: *See*—
Decimal indicator.
Dial indicator.
Gyroscopic direction indicator.
Inhibiting rusting. D. T. Rogers. 2,585,843, Feb. 12.
Ink, Ball point pen. S. Bernfeld and S. Scharfspitz. 2,585,531, Feb. 12.
Inking roller removal truck for newspaper printing presses. A. L. Imshaug. 2,585,325, Feb. 12.
Insecticidal composition with a wheat dust carrier. G. B. Wagner. 2,585,356, Feb. 12.
Insole. Cushioning and corrective. W. M. Scholl. 2,585,692, Feb. 12.
Instrument, Navigating. W. J. Donnelly. 2,585,751, Feb. 12.
Insulated electrical conductor. P. Robinson and C. C. Reid. 2,585,037, Feb. 12.
Interlocking knockdown table. J. G. Grauer. 2,585,111, Feb. 12.
Intermittent mechanism. L. W. Sanderson. 2,585,687, Feb. 12.
Introducing an amino group into aromatic compounds. J. S. Turski. 2,585,355, Feb. 12.
Ionizing structure. E. G. Hills. 2,585,776, Feb. 12.
Iron: *See*—
Curling iron.
Isopropenyl fluoride polymers. P. R. Austin. 2,585,529, Feb. 12.
Jack: *See*—
Hydraulic jack.
Jewelry. R. J. Stern. 2,585,183, Feb. 12.
Joining metal parts. E. K. Moore and A. P. Edson. 2,585,819, Feb. 12.
Kettle. M. M. Guggenheim and R. L. Greenberg. 2,585,767, Feb. 12.
Keyboard structure. J. Streng. 2,585,699, Feb. 12.
Key control and spacer operating mechanism for plate embossing machines. F. De Minico. 2,585,542, Feb. 12.
Kite string reel. F. S. Miller. 2,585,263, Feb. 12.
Knee pony. K. E. Sickelbower. 2,585,279, Feb. 12.
Knitted fabric. G. H. Woolley. 2,585,888, Feb. 12.
Knitting. P. L. St. Pierre. 2,585,597, Feb. 12.
Knitting machine, Straight bar. J. E. Lynum and L. Brown. 2,585,804, Feb. 12.
Ladder, Flexible. R. F. Morcaldi D'. 2,585,671, Feb. 12.
Ladder step. D. F. McGill. 2,585,150, Feb. 12.
Lamp shade frame having a removable cover. C. F. Johnson. 2,585,248, Feb. 12.
Lamp shade having a thermoplastic molding securing it to supporting arms. J. J. Scherer. 2,585,176, Feb. 12.
Latch: *See*—
Gate latch.
Lateral arm assembly for aluminum awnings. C. B. Huizenga. 2,585,319, Feb. 12.
Latex foam stabilized with ethyl orthosilicate and ammonia. E. B. Lewis. 2,585,143, Feb. 12.
Lattice panel spacer for holding a plurality of lugs in a compact, rigid unit. F. C. Huebner. 2,585,778, Feb. 12.
Laundry flat piece spreader. M. A. Pocock. 2,585,834, Feb. 12.
Lawn mower. R. H. Herman. 2,585,315, Feb. 12.
Lawn mower, Disk-type. H. E. Reiter. 2,585,405, Feb. 12.
Leakage indicator and protective equipment for direct current distributing circuits. F. J. Bucher. 2,585,734, Feb. 12.
Leg support for vehicle drivers. J. W. McIlwraith. 2,585,398, Feb. 12.
Lens mounting for spectacles and eyeglasses. A. M. Silverman. 2,585,352, Feb. 12.
Letoff mechanism for looms. J. Picanol. 2,585,167, Feb. 12.
Lettering guide for stenciling operations. A. I. Roshkind. 2,585,847, Feb. 12.
Lid for open topped cabinets, Folding. B. E. Freitag. 2,585,645, Feb. 12.
Light reflector attachment for use on dry cells. J. P. Speckman. 2,585,869, Feb. 12.
Lightweight concrete mixture. A. R. Bollaert and E. L. Neu. 2,585,366, Feb. 12.
Lighter, Cigarette. L. A. Allen. 2,585,071, Feb. 12.
Linear pyromellitic polyesters and their derivatives. W. E. Elwell and D. C. McGowan. 2,585,323, Feb. 12.
Liner package for books. C. M. Roberson. 2,585,408, Feb. 12.
Liquid dispenser. P. Lieuwen. 2,585,801, Feb. 12.
Liquid fuel injector. C. T. Young. 2,585,205, Feb. 12.
Liquid seal for gas washers. F. H. Janecek and R. H. Bahney. 2,585,779, Feb. 12.
Liquid solid separator. G. D. Alvord. 2,585,719, Feb. 12.
Live stock feeder. J. R. Coffing. 2,585,371, Feb. 12.
Loading mechanism for gear producing machines. H. A. Male. 2,585,809, Feb. 12.
Local and trunk call discriminating system. R. W. Jones. 2,585,130, Feb. 12.

Lock: *See*—
Compartment lock.
Locking apparatus. K. J. J. McGowan. 2,585,151, Feb. 12.
Locking device for furniture elements, Detachable. M. M. Richardson. 2,585,683, Feb. 12.
Locking mechanism for overhead swinging garage doors. L. H. Gramlich. 2,585,110, Feb. 12.
Loom picker. J. H. Chadbourne. 2,585,435, Feb. 12.
Lubricating composition. L. G. Morell and A. T. Knutson. 2,585,820, Feb. 12.
Lubricating compositions containing highly basic metal sulfonates. P. R. Van Ess and H. E. Sipple. 2,585,520, Feb. 12.
Lubricating oil additives. J. D. Bartleson. 2,584,977, Feb. 12.
Lubricating oil composition. H. S. Trigg, H. D. Norris, and R. V. White. 2,585,877, Feb. 12.
Lubricator for pneumatic tools, Air line. H. Gillerstrom. 2,585,457, Feb. 12.
Lunch box. E. H. Gronlund. 2,585,310, Feb. 12.
Machine for applying tape to cylindrical containers. J. G. Jones and L. A. Uimschneider. 2,585,250, Feb. 12.
Machine for depositing a coating along a line on a tube. D. Kayser. 2,585,330, Feb. 12.
Machine for electrically sealing fiber containers. H. T. Odquist and E. W. Macoy. 2,585,031, Feb. 12.
Machine for inverting containers. W. L. Sommer, E. I. Leeder, and C. L. Collins. 2,585,697, Feb. 12.
Machine for making spiral bags. P. Gardner. 2,585,762, Feb. 12.
Machine tool control. C. Johnson. 2,585,328, Feb. 12.
Machine tool movement control. C. Johnson. 2,585,329, Feb. 12.
Magazine structure for dispensing devices. L. Steiner. 2,585,872, Feb. 12.
Magnetic controlled gas rectifier tube. J. H. Coleman. 2,585,439, Feb. 12.
Magnetic hardness testing and sorting. W. H. Meiklejohn. 2,585,668, Feb. 12.
Magnetic record body driving mechanism. E. Barany and M. Sackter. 2,585,724, Feb. 12.
Magnetic suspension. H. T. Wrobel and H. A. Bakke. 2,585,714, Feb. 12.
Magnetic transducer head and coupling transformer, Combined. D. E. Wiegand. 2,585,065, Feb. 12.
Magnetron. J. Kurshan and L. P. Smith. 2,585,794, Feb. 12.
Magnetron having modulating means. A. M. Clogston. 2,585,741, Feb. 12.
Making an ingot. G. A. Dornin. 2,585,096, Feb. 12.
Making embossed rug cushions. J. C. Gordon. 2,585,109, Feb. 12.
Manufacture of fine fibers, Method and apparatus for the. E. R. Powell. 2,585,496, Feb. 12.
Mattress cover. J. Small and L. Brody. 2,585,861, Feb. 12.
Measuring and dispensing apparatus, Liquid. P. G. Mueller. 2,585,821, Feb. 12.
Mechanical transmission. W. T. Rossell. 2,585,349, Feb. 12.
Mercaptan extraction. T. B. Tom and J. A. Bolt. 2,585,284, Feb. 12.
Message timing device. S. K. Ferguson. 2,584,997, Feb. 12.
Metal cone cathode-ray tube. J. S. Bailey and A. W. Schmidt. 2,585,614, Feb. 12.
Meta-thiazines. K. W. Wheeler and V. W. Gash. 2,585,064, Feb. 12.
Metal panel, Insulated. G. H. Bollinger, Jr. 2,585,082, Feb. 12.
Metal-spraying gun. J. A. A. Larsson. 2,585,560, Feb. 12.
Metal treatment of oxo alcohols. J. K. Mertzweiller. 2,585,816, Feb. 12.
Metallic eave strip. C. L. Hutchisson, Jr., and E. H. Cropp. 2,585,324, Feb. 12.
Metallic molding section. T. W. Barton. 2,585,727, Feb. 12.
Meter: *See*—
Color temperature and exposure meter.
Hall effect alternating current volt-ampere meter.
Rotating disk icing rate meter.
Method and circuit for pulsation welding. A. D. Hasley and F. H. Hibbard. 2,585,772, Feb. 12.
Method and device for removing impurities by aspiration from rollers of carding machines. V. Heřmánek. 2,585,776, Feb. 12.
Microwave antenna and mounting and stabilizing means therefor. C. L. Norden. 2,585,579, Feb. 12.
Microwave dynatron. A. M. Skellett and L. E. Loveridge. 2,585,860, Feb. 12.
Milker claw. H. A. Sherwood. 2,585,178, Feb. 12.
Miniature tube holder. M. R. Alexy. 2,585,072, Feb. 12.
Mirror, Exterior rearview controlled. R. Goldstein. 2,585,308, Feb. 12.
Mirror, Rearview. P. E. Prutzman. 2,585,273, Feb. 12.
Mirror, Spot lamp. H. C. Mead. 2,585,399, Feb. 12.
Mixed glycerol esters and their acylation products. E. M. Filachione, M. L. Fein, and C. H. Fisher. 2,584,998, Feb. 12.
Mixer: *See*—
Mud and chemical mixer.
Mixer. W. B. Kochner and D. F. McCarron. 2,585,255, Feb. 12.
Mixing mechanism for liquid and beverage dispensing apparatus. D. Reynolds. 2,585,172, Feb. 12.
Molding machine, Injection. C. C. Gravesen. 2,585,112, Feb. 12.
Molecular still. W. B. Whitney. 2,585,202, Feb. 12.
Monopolyphase frequency converter group. P. Letrillart and L. Galzin. 2,585,392, Feb. 12.
Mopboard, Hot-air circulating. T. E. Thorson. 2,585,703, Feb. 12.
Motor: *See*—
Rotary motor.
Motor and control system therefor, Fluid pressure actuated. G. T. Randol. 2,585,837, Feb. 12.
Motor-operated material handling equipment. C. J. Potter. 2,585,169, Feb. 12.
Mounting: *See*—
Adjustable Schmidt television projector mounting.
Gun sight mounting.
Mounting and engine cover mounting for outboard motors. R. C. Heidner and W. B. Burkett. 2,585,774, Feb. 12.
Mounting for bobbin receiver for weft replenishing looms. G. C. Beatrice and K. J. Hall. 2,585,426, Feb. 12.
Mounting structure for warning and signaling illumination apparatus. A. C. Hoehler. 2,585,653, Feb. 12.
Mud and chemical mixer. L. L. Thompson. 2,585,701, Feb. 12.
Multiple line article aligning device. E. E. Lakso. 2,585,559, Feb. 12.
N-aminoalkylmorpholine viscosity stabilized polyamide and making same. F. K. Watson. 2,585,199, Feb. 12.
N-fluoroalkyl-n-vinylalkanamides and preparation thereof. H. W. Coover and J. B. Dickey. 2,585,230, Feb. 12.
Navigation system, Radio. C. M. Perkins, Sr. 2,585,164, Feb. 12.
Navigational system. M. Wallace. 2,585,605, Feb. 12.
Negative resistance device utilizing semiconductor amplifier. H. L. Barney. 2,585,078, Feb. 12.
Nondrip can spout. H. H. Hoffman. 2,585,125, Feb. 12.
Nonemissive electrode and manufacturing. K. E. Everett. 2,584,994, Feb. 12.
Nonyl amine salts of penicillin. F. W. Staab. 2,585,512, Feb. 12.
Nose disguise. A. H. Veerman. 2,585,880, Feb. 12.
Novel food products from rice, Preparation of. R. L. Roberts. 2,585,036, Feb. 12.
Nozzle for aircraft propulsion, Adjustable jet. R. Plath. 2,585,270, Feb. 12.
Nozzle for dishwashers, Rinsing and drying. A. W. Wieghart. 2,585,608, Feb. 12.
Nozzle having a variable opening, Suction. C. H. Taylor. 2,585,186, Feb. 12.
Nozzle, Irrigation. S. Quattrin. 2,585,346, Feb. 12.
Nozzle, Self-adjusting fire. C. W. Smith. 2,585,509, Feb. 12.
Nut retainer. W. A. Bedford, Jr. 2,585,728, Feb. 12.
Oil-free wrinkle finish coating. R. K. Walton. 2,585,197, Feb. 12.
Oil well jar. C. M. Howard. 2,585,318, Feb. 12.
Olefin oxides, Production of. N. Levy. 2,585,478–9, Feb. 12.
1-acetoxy-3-buten-2-one, Production of. J. M. Wilkinson, Jr. 2,585,067, Feb. 12.
1,4-naphthoquinone compounds, Preparing. H. W. Coover, Jr., and J. B. Dickey. 2,585,229, Feb. 12.
1-methyl-5-chlorobenzene-2-thioglycollic acid. J. Werner and D. E. Graham. 2,585,709, Feb. 12.
Optical glass. W. H. Armistead. 2,584,974–5, Feb. 12.
Orifice plate fitting. A. W. Walker. 2,585,290, Feb. 12.
Overdrive control. E. M. Claytor. 2,585,437, Feb. 12.
Overshot tool string knuckle joint. W. H. Dumble. 2,585,303, Feb. 12.
Oxygen by rectification of air involving precooling the air, Production of. M. J. Cicalese. 2,584,985, Feb. 12.
Packaging machine. C. B. McHale and E. H. Janssen. 2,585,335, Feb. 12.
Pad: *See*—
Stamp pad.
Surgical pad.
Paper guide means for business machines. A. J. Fettig. 2,585,102, Feb. 12.
Para-halogenphenyl-pyridyl-alkanones. K. Hoffmann and E. Tagmann. 2,585,550, Feb. 12.
Passenger car type two-speed axle. V. E. Murray. 2,585,028, Feb. 12.
Pattern former, Adjustable. J. Klakovich. 2,585,135, Feb. 12.
Pen supporting head for replaceable ink containers. G. P. Morgan. 2,585,488, Feb. 12.
Pendulum limb support crutch. C. E. Bodnar. 2,585,730, Feb. 12.
Penicillin salts of amines derived from rosin. L. C. Cheney. 2,585,436, Feb. 12.
Percussion tool. R. Bassinger. 2,584,978–9, Feb. 12.
Permanently fusible diallyl ester copolymers and compositions of nitrocellulose therewith. R. R. Whetstone and T. W. Evans. 2,585,359, Feb. 12.
Photograph retouching apparatus. P. W. Ball. 2,585,423, Feb. 12.

Photographic composing machine. R. J. Taylor, Sr. 2,585,188, Feb. 12.
Photographic emulsions containing 2,5-dimethoxytetrahydrofuran. W. A. Stanton. 2,585,596, Feb. 12.
Pickling metals. M. D. Barnes. 2,585,616, Feb. 12.
Pipe: *See*—
Smoking pipe.
Piperidine carboxylic acid esters. N. F. Albertson. 2,585,210, Feb. 12.
Pitting machine, Peach. E. Altman. 2,585,073, Feb. 12.
Plastic alloy which sets at room temperature. J. P. Lyle, Jr. 2,585,393, Feb. 12.
Plastic compositions of acrylonitrile polymers. P. Mosse. 2,585,672, Feb. 12.
Plasticizers. W. S. Emerson and R. I. Longley, Jr. 2,585,448, Feb. 12.
Pliers, Wire stripping. E. J. Beaulieu and R. E. Thompson. 2,585,080, Feb. 12.
Plural wave guiding system. C. W. Hansell and N. E. Lindenblad. 2,585,243, Feb. 12.
Poisons for destroying insects selectively by the use of alkali-soluble coatings on said poisons. F. Duspiva. 2,585,755, Feb. 12.
Polarized electromagnetic shuffleboard. C. Metz. 2,585,153, Feb. 12.
Polarized power take-off for bus duct systems. H. J. Hammerly. 2,585,770, Feb. 12.
Polymerizing isoolefins using methyl chloride solution of BF_3 as catalyst. W. J. Sparks and R. M. Thomas. 2,585,867, Feb. 12.
Pop-up sprinkler device. O. B. Johnson. 2,585,782, Feb. 12.
Posture training device. P. Badovinac. 2,585,075, Feb. 12.
Poultry dipping machine. J. H. Wagner. 2,585,194, Feb. 12.
Power actuator with pilot control. F. B. Small. 2,585,507, Feb. 12.
Power transmission mechanism. M. W. Gredell. 2,585,114, Feb. 12.
Power transmission system. D. F. McGill. 2,585,149, Feb. 12.
Power unit. C. A. Bickel, S. A. Brandenburg, and T. Foster. 2,585,215, Feb. 12.
Precipitating tower. J. F. Haller. 2,585,385, Feb. 12.
Preparing actinophage-resistant A. griseus and preparing streptomycin. H. B. Woodruff. 2,585,713, Feb. 12.
Press for photographic dry mounting. D. K. Young. 2,585,893, Feb. 12.
Pressure actuated transmission control unit. R. D. Fageol. 2,584,995–6, Feb. 12.
Pressure compensated pump. J. K. Douglas. 2,585,232, Feb. 12.
Pressure cooker, Continuous. G. S. Prather. 2,585,170, Feb. 12.
Pressure measuring device. J. D. Russell. 2,585,350, Feb. 12.
Pressure welding machine. R. T. Murray and F. Vitl. 2,585,266, Feb. 12.
Preventing deterioration of seeds. A. M. Altschul, M. Z. Condon, and M. G. Lambou. 2,584,972, Feb. 12.
Preventing foaming in transferring hot asphalt. R. A. Hanson and F. S. Scott. 2,585,119, Feb. 12.
Prevention of leakage of make gas from stack valve of a combustible gas generating set. T. B. Williams. 2,585,417, Feb. 12.
Price marker, Adjustable mechanical. L. R. Alles. 2,585,420, Feb. 12.
Printing machine, Intaglio. A. P. Battey. 2,585,617, Feb. 12.
Printing plate etching. K. Sollner. 2,585,864, Feb. 12.
Printing press drive. W. M. Pollock. 2,585,585, Feb. 12.
Printing telegraph receiver. R. D. Salmon. 2,585,041, Feb. 12.
Prizing tool. O. A. Johnson. 2,585,013, Feb. 12.
Processing machine. J. S. Baker. 2,585,213, Feb. 12.
Production of copper powder having an average particle size of two microns. L. D. Supiro. 2,585,185, Feb. 12.
Profile grinding or polishing machine. F. T. Dyer and R. H. Revett. 2,585,376, Feb. 12.
Propeller thrust coordinating mechanism. G. F. Schneider. 2,585,502, Feb. 12.
Protection of static current converter installations. U. Lamm. 2,585,796, Feb. 12.
Protective means to prevent double exposure of film magazines. A. D. Hooks. 2,585,246, Feb. 12.
Pulp molding die. E. L. Shepard. 2,585,049, Feb. 12.
Pulse delay communication system. E. M. Deloraine. 2,584,987, Feb. 12.
Pulse generator. J. R. Wilkerson. 2,585,066, Feb. 12.
Pulse repeater. M. E. Mohr. 2,585,571, Feb. 12.
Pulse time position finding system. J. L. Allison. 2,584,971, Feb. 12.
Pulse width discriminator circuit. C. L. Longmire. 2,585,803, Feb. 12.
Pump: *See*—
Fuel pump.
Pressure compensated pump.
High-vacuum pump.
Pump and nozzle for internal-combustion engines, Fuel. W. V. Falcon. 2,585,100, Feb. 12.
Pump-motor hydraulic system, including multiple motors and their controls. J. Robinson. 2,585,348, Feb. 12.
Pumping mechanism for centralized lubricating systems. H. R. Tear. 2,585,189, Feb. 12.
Punching apparatus. O. W. Anderson. 2,585,720, Feb. 12.
Puzzle, Animated jigsaw. D. A. Zarlengo. 2,585,419, Feb. 12.
Quiz game apparatus. G. W. Emmert. 2,585,099, Feb. 12.
Radar ground-controlled approach system for aircraft. C. W. Sherwin and L. H. Johnston. 2,585,855, Feb. 12.
Radial pump and radial motor hydraulic transmission. T. Müller. 2,585,574, Feb. 12.
Radio control system. W. L. Everitt. 2,585,640, Feb. 12.
Radio-frequency transmission line circuit. H. J. Riblet. 2,585,173, Feb. 12.
Radius tangent dresser. K. M. Fritts. 2,585,305, Feb. 12.
Railroad car for transporting road vehicles. W. M. Holland. 2,585,126, Feb. 12.
Rail track heater. W. H. Greenfield. 2,585,648, Feb. 12.
Railway and rolling stock therefor. N. G. and W. J. Keller. 2,585,789, Feb. 12.
Railway signaling system. D. G. Shipp. 2,585,505, Feb. 12.
Railway traffic controlling apparatus. J. W. Logan, Jr. 2,585,144, Feb. 12.
Ramp and the like, Adjustable loading. H. F. Snow. 2,585,695, Feb. 12.
Razor, Magazine type. N. D. Hall. 2,585,384, Feb. 12.
Reaction comparison apparatus. A. O. Hanson. 2,585,649, Feb. 12.
Reactivation of a dehydrogenation catalyst. E. W. Pitzer. 2,585,033, Feb. 12.
Receiver and grip connection for autoloading pistols. W. B. Ruger. 2,585,275, Feb. 12.
Receiver tube having movable screen with ionic crystal layer for light modulation. A. H. Rosenthal. 2,585,846, Feb. 12.
Receptacle: *See*—
Fastener receptacle..
Receptacle for ligature tubes, Sterilizing. R. B. Harkness and E. E. Lacey. 2,585,312, Feb. 12.
Receptacle holder for electric drink mixers. L. Myers. 2,585,822, Feb. 12.
Reciprocating valve. C. G. A. Johnson, Jr. 2,585,556, Feb. 12.
Recoil amplifier device. A. F. C. Henckel. 2,585,775, Feb. 12.
Reconstruction of glyceride oils. H. H. Mueller. 2,585,027, Feb. 12.
Record adapter. P. K. Bridenbaugh and F. A. Jansen. 2,585,622, Feb. 12.
Recovering tin in the form of tin sulfide from a low-grade unreduced tin ore. I. E. Muskat and R. H. Taylor. 2,585,161, Feb. 12.
Recovery of carbon black from suspension in a gas. M. O. Kilpatrick. 2,585,659, Feb. 12.
Recovery of carbon dioxide. C. C. Van Nuys. 2,585,288, Feb. 12.
Reduction of oxydivaleronitrile. K. Alexander and L. E. Schniepp. 2,584,970, Feb. 12.
Reel: *See*—
Cable reel.
Kite string reel.
Reel for fishing leaders and the like, Dispensing. A. C. Johnson, H. B. Collins and O. H. Johnson. 2,585,327, Feb. 12.
Refrigerating assembly for mobile equipment. L. R. Burr. 2,585,087, Feb. 12.
Regulating valve. F. S. Gussick. 2,585,383, Feb. 12.
Regulator: *See*—
Cable tension regulator.
High-voltage regulator.
Reignition means for combustion heaters. T. S. Briskin. 2,585,221, Feb. 12.
Release mechanism. W. L. Spielman. 2,585,870, Feb. 12.
Removal of troublesome fractions from benzene hexachloride. K. C. Kauer. 2,585,898, Feb. 12.
Repair of punctured tires. H. A. Dibble. 2,585,635.
Resilient batt cutting machine. R. A. Sandberg. 2,585,852, Feb. 12.
Resilient clamp. F. W. Caldwell and J. P. Sharp. 2,585,089, Feb. 12.
Resilient valve in rigid wall portions of containers. I. I. Tubbs. 2,585,286, Feb. 12.
Resinous compositions and preparing the same. J. J. Padbury and E. L. Kropa. 2,585,827, Feb. 12.
Resonant silencer. C. Thumin. 2,585,600, Feb. 12.
Restraining springs for rate gyroscopes. R. T. Maiorany. 2,585,146, Feb. 12.
Retractable electric extension cord switch. R. G. J. Allard. 2,585,070, Feb. 12.
Ring: *See*—
Curtain ring.
Ring-balance. O. B. Vetter. 2,585,705, Feb. 12.
Ringing current supply system for telephones. E. F. Lewis. 2,585,022, Feb. 12.
Rod to plate joint structure. W. I. Evans and E. Blanco. 2,585,304, Feb. 12.
Roll feed for stencil duplicating machines. P. A. Stephenson. 2,585,873, Feb. 12.
Roll forging machine. J. E. Preston. 2,585,677, Feb. 12.
Roller attachment for scrapers. A. G. Gurries. 2,585,117, Feb. 12.
Roof and wall covering. J. Furrer. 2,585,760, Feb. 12.
Rosin container. R. E. Taylor. 2,585,187, Feb. 12.
Rotary impact delivery means for socket wrenches. L. C. Mabrey. 2,585,333, Feb. 12.
Rotary motor. E. Thorgrimsson. 2,585,354, Feb. 12.

Rotary torque converter of the impeller turbine reactor type. P. M. Salerni. 2,585,851, Feb. 12.
Rotary transfer valve. A. B. Kennedy. 2,585,472, Feb. 12.
Rotating disk icing rate meter. B. Vonnegut and R. E. Katz. 2,585,604, Feb. 12.
Rubberlike article. P. E. Clingman. 2,585,438, Feb. 12.
Sack holder. F. F. Hunt. 2,585,320, Feb. 12.
Safety stop attachment for full-fashioned hosiery machines. T. H. Decker. 2,585,633, Feb. 12.
Sander, Hand. A. J. Dremel. 2,585,637, Feb. 12.
Sandpaper holder. G. M. Ingram. 2,585,655, Feb. 12.
Sanitary bag for animals. W. G. Kahlert. 2,585,251, Feb. 12.
Saturable core direct current to alternating current converter. C. W. Hewlett, Jr. 2,585,654, Feb. 12.
Saw sharpener with motor-driven rotary sharpeners. C. J. Weyrauch. 2,585,063, Feb. 12.
Scaffold, Portable. L. C. Gasner and C. M. Page. 2,585,763, Feb. 12.
Scaffolding. H. J. P. Skinner. 2,585,281, Feb. 12.
Scanning coils for cathode-ray tubes. C. L. Faudell. 2,585,235, Feb. 12.
Scarf, Convertible. D. B. Rossant. 2,585,686, Feb. 12.
Scoop, Side-dumping. L. C. Daniels. 2,585,095, Feb. 12.
Screw driver for cans, Clamp type. R. C. Zautner. 2,585,526, Feb. 12.
Seal cutter. J. Chiglo. 2,585,536, Feb. 12.
Secondary electron emissive electrode and its making. C. S. Bull and A. H. Atherton. 2,585,534, Feb. 12.
Sectional drawn sheet metal body for air-heating furnaces. C. Harris. 2,585,650, Feb. 12.
Sector scanning radar device. C. P. Spaulding. 2,585,868, Feb. 12.
Sedimentation unit. F. L. Graner and C. H. Scott. 2,585,006, Feb. 12.
Selective transfer manifolding assembly. R. W. Winston. 2,585,418, Feb. 12.
Selective wave filter. G. R. Clark. 2,584,986, Feb. 12.
Self-adjusting wrench. F. J. Carnelli. 2,585,090, Feb. 12.
Self-lubricating vehicle spring. F. R. Brooks and A. J. Turner. 2,585,367, Feb. 12.
Self-powered turbosupercharger starter system for internal-combustion engines. F. Nettel. 2,585,029, Feb. 12.
Separable fastening apparatus for structure wall attachments. W. R. Tonge and R. H. Gill. 2,585,285, Feb. 12.
Separation of xylene. W. F. Yates. 2,585,525, Feb. 12.
Separator: *See*—
Centrifugal separator.
Liquid solid separator.
Sequential batch treating apparatus. N. Ransohoff. 2,585,838, Feb. 12.
Sewing machine, Belt loop. J. Galkin. 2,585,306, Feb. 12.
Shackle and mounting therefor. A. F. Myers. 2,585,489, Feb. 12.
Shaped articles from acrylonitrile polymers, Preparation of. C. D. Coxe. 2,585,444, Feb. 12.
Shaped articles from acrylonitrile polymers, Production of. G. M. Rothrock. 2,585,499, Feb. 12.
Sharpener, Scissor. J. Brockley. 2,585,623, Feb. 12.
Shear pin coupling for aligned shafts. M. W. Gredell. 2,585,113, Feb. 12.
Shear resistant buckle assembly. P. D. Becker. 2,585,894, Feb. 12.
Shield for electric conductors, Flexible. E. J. Stachura. 2,585,054, Feb. 12.
Shirt or like garment, Sport. J. I. Levitt. 2,585,142, Feb. 12.
Shock absorbing tow bar. J. O. Ham. 2,585,768, Feb. 12.
Shock operated fluid valve. O. J. Hobson. 2,585,316, Feb. 12.
Shoe. W. L. Knipe. 2,585,391, Feb. 12.
Shoe shank. J. C. Rice and C. Krick. 2,585,588, Feb. 12.
Shot testing. W. L. Keefer. 2,585,657, Feb. 12.
Shutoff mechanism for an injection nozzle. R. O. Wondra. 2,585,204, Feb. 12.
Side chain halogenation of alkyl thiophenes. J. T. Clarke. 2,585,091, Feb. 12.
Side-wall sampler. C. B. Caruthers. 2,585,369, Feb. 12.
Signal generator. R. Beaufoy. 2,585,079, Feb. 12.
Signaling apparatus for automotive vehicles, Direction and caution. W. V. Dye. 2,584,991, Feb. 12.
Signaling system. D. K. Gannett. 2,585,545, Feb. 12.
Single pulse generator. L. A. MacDonald and R. B. Mancke. 2,585,805, Feb. 12.
Skimming apparatus. R. W. Tryon. 2,585,878, Feb. 12.
Slingshot. R. Laubly. 2,585,663, Feb. 12.
Slub detector. P. A. de Mars. 2,585,541, Feb. 12.
Smoker's pipe and bowl cleaner therefor, Combination. A. Marshall. 2,585,812, Feb. 12.
Smoking pipe. C. F. Knight. 2,585,390, Feb. 12.
Snap-action relief valve. T. R. Smith. 2,585,863, Feb. 12.
Snap fastener. F. E. Johnson. 2,585,897, Feb. 12.
Soap holder cover. C. M. Cooper, Jr. 2,585,743, Feb. 12.
Sodium fluoride, Production of. E. A. Heisler. 2,585,387, Feb. 12.
Solid cross vane rotary pump. L. T. Reynolds. 2,585,406, Feb. 12.
Solid esters and making same. M. K. Smith. 2,585,053, Feb. 12.
Solid friction disks, Making. J. C. Danly and V. Georgeff. 2,585,539, Feb. 12.
Soluble onium salts of halogenmethylated thioindigos. D. I. Randall and C. M. Smith. 2,585,497, Feb. 12.
Soybean treating process. N. F. Kruse. 2,585,793, Feb. 12.
Spectrometer. R. W. Thompson and W. T. Leland. 2,585,702, Feb. 12.
Speed controller for spinning machines. G. F. Norcross. 2,585,823, Feb. 12.
Speed variator. E. Deletaille. 2,585,634, Feb. 12.
Spinning box hub. H. J. McDermott. 2,585,148, Feb. 12.
Spiral projector and propeller. P. W. Russell. 2,585,848, Feb. 12.
Spray booth wash and making it. G. A. Rives. 2,585,407, Feb. 12.
Spraying device. W. B. Kochner. 2,585,254, Feb. 12.
Spring: *See*—
Self-lubricating vehicle spring.
Stabilization of halogen-containing organic materials. E. C. Shokal, D. E. Winkler, and P. A. Devlin. 2,585,506, Feb. 12.
Stabilizing ascorbic acid with thiosugars. J. Oppit. 2,585,580, Feb. 12.
Stacking device for workpieces of rectangular block shape. D. R. P. Jackson. 2,585,554, Feb. 12.
Stamp pad. P. Gordon. 2,585,647, Feb. 12.
Stamping wheel. C. W. Schott. 2,585,410, Feb. 12.
Starch product, Modified. W. H. Hart. 2,585,651, Feb. 12.
Starter for internal-combustion engines. G. W. Hart. 2,585,313, Feb. 12.
Steel, Making low-alloy. M. J. Day and G. D. Rahrer. 2,585,372, Feb. 12.
Stern for outboard motorboats. L. Plaziak. 2,585,344, Feb. 12.
Steroid esters, Producing. M. N. Huffman. 2,585,553, Feb. 12.
Stockings and the like articles of hosiery, Manufacture of. J. Garric. 2,585,456, Feb. 12.
Stone crushing device. R. A. Campbell. 2,585,224, Feb. 12.
Strainer or the like, Wire mesh. F. Berman. 2,585,729, Feb. 12.
Sulfur-containing activated carbon, Preparation of a. B. W. Gamson. 2,585,454, Feb. 12.
Surface broach. W. J. Phaneuf. 2,585,832, Feb. 12.
Surface control system. C. Schultz and S. Avena. 2,585,411, Feb. 12.
Surge preventer. I. M. White. 2,585,524, Feb. 12.
Surgical pad. W. M. Scholl. 2,585,691, Feb. 12.
Sweatband. S. G. Hoffman. 2,585,896, Feb. 12.
Switch: *See*—
Brake position controlled switch.
Electric switch.
Centrifugally operated switch.
Retractable electric extension cord switch.
Time switch.
Switch crank, Resilient. C. M. Amon. 2,585,211, Feb. 12.
Switch signaling system for electric ranges and the like, Selector. H. W. Schulze. 2,585,503, Feb. 12.
Synchronous dynamoelectric machine. J. C. and W. I. Macfarlane. 2,585,145, Feb. 12.
Synthetic linear polyamides. D. C. Pease and C. T. Handy. 2,585,163, Feb. 12.
Synthetic lubricants. P. V. Smith, Jr. and A. H. Popkin. 2,585,862, Feb. 12.
Syringe, Injection. D. M. McLintock. 2,585,815, Feb. 12.
Table: *See*—
Interlocking knockdown table.
Table having vertically adjustable top. O. Carlsson. 2,585,535, Feb. 12.
Table mountable on automobile seat, Collapsible. J. E. Condon. 2,585,742, Feb. 12.
Table with elevating metal slides therefor, Extension. J. Cooper. 2,585,744, Feb. 12.
Tabulating and total sensing control mechanism. E. O. Roggenstein and E. F. Thierfelder. 2,585,685, Feb. 12.
Tailpiece for stringed musical instruments. J. E. Kluson. 2,585,661, Feb. 12.
Tank: *See*—
Flush ball control tank.
Tank cross drive for steering by variable-speed ratio driving means. O. K. Kelley. 2,585,790, Feb. 12.
Tape, Curtain heading. G. F. and R. French. 2,585,759, Feb. 12.
Telephone radio link termination. H. M. Veaux. 2,585,058, Feb. 12.
Temperature control device. N. Miller. 2,585,340, Feb. 12.
Template for lock mortises. R. R. Josephson. 2,585,470, Feb. 12.
Tensile force resistant buckle assembly. H. S. van Buren, Jr. 2,585,900, Feb. 12.
Tent, Automobile. S. F. Eskew. 2,585,449, Feb. 12.
Terminal for wristbands for watches. F. Jaccarino and A. Pinson. 2,585,326, Feb. 12.
Testing equipment for automatic telephone systems. E. F. Lewis. 2,585,023, Feb. 12.
Textile apparatus. T. Eccles and H. Halkyard. 2,585,097, Feb. 12.
Thermal diffusion apparatus. O. M. Hanson. 2,585,244, Feb. 12.

Thermometer and determining temperature in a vacuum cooling chamber for cooling vegetables. R. L. Brunsing. 2,585,086, Feb. 12.
Thermostat with microscopic mat finish. V. G. Vaughan, A. G. Schaefer, and G. G. Wood. 2,585,704, Feb. 12.
Thermostatic control for hot-water heaters and the like. J. H. Leslie, II and W. A. Marshall, Jr. 2,585,477, Feb. 12.
Thermostatic heat and fire control. W. Kagan. 2,585,656, Feb. 12.
Thread for glass containers. R. V. Bromley. 2,585,624, Feb. 12.
Throttle and brake control. J. K. Kramar. 2,585,474, Feb. 12.
Time interrupter for electric apparatus. A. R. Rasini. 2,585,839, Feb. 12.
Time switch. M. A. Kreitchman and J. H. Tanner. 2,585,018, Feb. 12.
Timing mechanism, Toaster. O. B. Sutton. 2,585,514, Feb. 12.
Tire mounting and demounting apparatus with circumferentially distributed thrust members. C. S. Crane. 2,585,628, Feb. 12.
Tire pressure gauge. W. W. Hastings and R. A. Hunt. 2,585,123, Feb. 12.
Toaster, Electric. R. H. Gardner. 2,585,455, Feb. 12.
Toaster, Electric. W. A. Humphrey. 2,585,465, Feb. 12.
Toaster, Electric. W. A. Humphrey and O. B. Sutton. 2,585,466, Feb. 12.
Toaster, Electric. H. B. White. 2,585,885, Feb. 12.
Tobacco feeding device with suction devices. D. W. Mollns and F. F. Ruau. 2,585,572, Feb. 12.
Tool: *See*—
- Automobile body repair tool.
- General utility gripping tool.
- Percussion tool.
- Prizing tool.
- Wire connecting tool.

Tool. L. K. Rogacki. 2,585,038, Feb. 12.
Tool for locating and turning small nuts, boltheads, etc., Finger-supported. W. J. Faso. 2,585,641, Feb. 12.
Toolholder. D. W. Moore. 2,585,487, Feb. 12.
Tool holder assembly. S. P. Bruce. 2,585,733, Feb. 12.
Torque converter. J. B. Whitlow. 2,585,886, Feb. 12.
Toy, Articulated dancing. W. M. Huth. 2,585,467, Feb. 12.
Toy, Bob-up. K. W. Johnson. 2,585,780, Feb. 12.
Toy, Construction. K. W. Johnson. 2,585,781, Feb. 12.
Toy railroad dump car. J. L. Bonanno. 2,585,731, Feb. 12.
Toy train and track. M. S. Dunkelberger. 2,585,754, Feb. 12.
Transferring yarn and apparatus therefor. E. S. Balthrop, Jr. 2,585,424, Feb. 12.
Transistor counting system. T. L. Dimond. 2,584,990, Feb. 12.
Trap. R. E. Pierce. 2,585,833, Feb. 12.
Trap for compressed gas systems. A. E. Schmidlin. 2,585,045, Feb. 12.
Tray cover. E. L. Smith. 2,585,180, Feb. 12.
Treating lubricating distillates. C. W. Stratford. 2,585,874, Feb. 12.
Treating synthetic yarns. M. J. A. Valentin. 2,585,518, Feb. 12.
Treatment of egg whites. A. M. Kaplan and M. Solowey. 2,585,015, Feb. 12.
Treatment of viscose products. H. J. Lesser. 2,585,141, Feb. 12.
Triangular pulse generator. E. M. Creamer, Jr. 2,585,093, Feb. 12.
Triple expansion nozzle and spraying liquids. C. F. Boe. 2,585,429, Feb. 12.
Trouser fly construction. G. W. Rosenberg. 2,585,175, Feb. 12.
Tube: *See*—
- Charge storage television tube.
- Magnetic controlled gas rectifier tube.
- Metal cone cathode-ray tube.

Tube and pipe connector unit, Interchangeable, self-releasing, self-locking high-pressure. J. P. Gallagher and J. H. Gidlund. 2,585,453, Feb. 12.
Tubular objects of prestressed concrete, Production of. E. Edwin and N. D. Nilsen. 2,585,446, Feb. 12.
Tuner construction. R. Romero. 2,585,844, Feb. 12.
Turbine blade construction with provision for cooling. E. A. Stalker. 2,585,871, Feb. 12.
Turbine mechanism for driving the fuel pumps of rockets. A. Chilton. 2,585,626, Feb. 12.
Turntable for paper roll stands. F. W. Showalter. 2,585,859, Feb. 12.
2-Mercaptoimidazoles, Preparation of. R. G. Jones. 2,585,388, Feb. 12.
Typewriter cabinet. C. B. Lundstrom. 2,585,566, Feb. 12.
Unitary mechanism for performing multiple simultaneous and successive operations. C. A. Bickel, S. A. Brandenburg, and T. Foster. 2,585,216, Feb. 12.
Uniting warps, Method and apparatus for. R. Welch. 2,585,708, Feb. 12.
Unsaturated ethers of polyhydric alcohols and polymers thereof. J. R. Roach and H. Wittcoff. 2,585,035, Feb. 12.
Valve: *See*—
- Drain valve.
- Reciprocating valve.
- Regulating valve.
- Rotary transfer valve.
- Shock operated fluid valve.
- Snap-action relief valve.

Valve. C. F. Hartman. 2,585,773, Feb. 12.
Valve assembly. H. C. Meador. 2,585,667, Feb. 12.
Valve combination with cement spraying nozzle, Water injection. R. N. Gillespie, J. K. Mair, and C. J. McNally. 2,585,004, Feb. 12.
Valve construction, Piercing pin. W. B. Kochner. 2,585,253, Feb. 12.
Valve cooling. R. Daub. 2,585,540, Feb. 12.
Valve for liquid fuel burners, Metering. J. L. Breese. 2,585,431, Feb. 12.
Valve seat insert. G. H. Keller. 2,585,658, Feb. 12.
Valve with spring loaded diaphragm, Safety. H. C. G. R. Nedergaard. 2,585,575, Feb. 12.
Vaporizer. W. R. Frank. 2,585,106, Feb. 12.
Vaporizing oil burner. S. W. Burch, Sr. 2,585,088, Feb. 12.
Variable frequency power supply system. W. F. Moore. 2,585,573, Feb. 12.
Variable-speed coupling. J. Halahan, T. F. Aronson, and F. A. Lyon. 2,585,460, Feb. 12.
Variable transformer. A. Simon. 2,585,050, Feb. 12.
Vehicle actuated gate. L. G. Martin. 2,585,481, Feb. 12.
Venetian blind. J. B. Whittaker. 2,585,606, Feb. 12.
Ventilating shutter. W. H. Burke. 2,584,982, Feb. 12.
Vernier measuring device. J. W. Crownover and J. Schmidt. 2,585,631, Feb. 12.
Vibration dampener mounting for washing machines and the like. P. E. Geldhof. 2,585,107, Feb. 12.
Vibration damper, Torsional. R. W. Guernsey. 2,585,382, Feb. 12.
Vinyl resin plasticized with a mixture of a monohydric alcohol ester of the maleic anhydride adduct of rosin acid and a monohydric alcohol ester of a fatty acid. P. F. Bruins and E. J. Kurtz. 2,585,222, Feb. 12.
Vision light metal slat rolling door. M. L. Cornell and R. K. Bennett. 2,585,627, Feb. 12.
Visor, Windshield. L. W. Hamlin. 2,585,769, Feb. 12.
Voice frequency signaling circuit. M. A. Lalande. 2,585,019, Feb. 12.
Wall box for remote control systems. F. H. Osborne. 2,585,401, Feb. 12.
Washer: *See*—
- Water sealed air washer.

Washing machine. H. Hovden. 2,585,464, Feb. 12.
Washing machine transmission. F. H. Condon. 2,585,300, Feb. 12.
Watch, Self-winding. M. Colomb. 2,585,228, Feb. 12.
Water gauge. B. E. Folke. 2,585,104, Feb. 12.
Water purification apparatus. O. Makkonen. 2,585,808, Feb. 12.
Water sealed air washer. D. T. Collins. 2,585,440, Feb. 12.
Water supply fitting, Hot and cold. S. Storrie. 2,585,184, Feb. 12.
Water system for battery brooders, Automatic sanitary. N. V. Spring. 2,585,698, Feb. 12.
Wave filter. W. D. Lewis and W. W. Mumford. 2,585,563, Feb. 12.
Wax refining. P. F. Dougherty and C. H. Brooks. 2,585,895, Feb. 12.
Well productivity logging. D. Silverman. 2,585,412, Feb. 12.
Wheel: *See*—
- Stamping wheel.

Wheel chock, Folding. J. M. Cless. 2,585,370, Feb. 12.
Winding apparatus. P. J. Christman. 2,585,226–7, Feb. 12.
Window. J. H. Preston. 2,585,678, Feb. 12.
Window construction. G. K. Bradfield, Jr. 2,585,322, Feb. 12.
Window construction. S. C. Overend. 2,585,581, Feb. 12.
Window construction. N. Trombetta. 2,585,601, Feb. 12.
Window pivot and lock. W. A. Dixon. 2,585,375, Feb. 12.
Window structure. H. J. Kammerer. 2,585,471, Feb. 12.
Window, Vehicle. B. Hansen. 2,585,118, Feb. 12.
Wire connecting tool. C. N. Hickman, R. F. Mallina, and F. Reck. 2,585,010, Feb. 12.
Wire stitching apparatus. J. G. Mackechnie, Jr. 2,585,807, Feb. 12.
Wireless navigation system. R. J. Dippy. 2,585,374, Feb. 12.
Work clamping fixture. L. I. Kaplan and G. von Reis. 2,585,786, Feb. 12.
Woven fabric. G. Backer. 2,585,212, Feb. 12.
Wrench: *See*—
- Self-adjusting wrench.

Wringer. N. L. Etten. 2,585,757, Feb. 12.
Yarn package and winding. F. S. Pollock, Jr. 2,585,584, Feb. 12.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 12, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

1— 2: 2,585,807
2— 36: 2,585,262
42: 2,585,137
2,585,257
2,585,338
73: 2,585,567
79: 2,585,840
91: 2,585,686
105: 2,585,142
127: 2,585,689
2,585,690
184: 2,585,896
206: 2,585,880
234: 2,585,175
240: 2,585,853
327: 2,585,157
4— 57: 2,585,513
134: 2,585,771
160: 2,585,517
5— 10: 2,585,632
317: 2,585,660
351: 2,585,415
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

D 3— 9: Des. 165,947
17: Des. 165,902
D 9— 6: Des. 165,926
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Condition of Applications Under Examination at Close of Business Jan. 25, 1952

Total number of patent applications awaiting action, 105,104. Date of oldest new application, March 26, 1951; date of oldest amended application, March 27, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
*C. E. D. HERTZ, M			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	3-28-51	3-27-51	2167
2. HERRMAN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	7-6-51	6-26-51	1156
3. MARMELSTEIN, N. Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	6-13-51	6-13-51	1609
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	4-6-51	4-7-51	1944
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	6-8-51	6-9-51	1253
6. SURLE, H., Carbon Chemistry (part)	5-9-51	5-9-51	2003
7. GONSALVES, J. E., Optics; Photography (part)	5-26-51	5-5-51	1250
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	4-11-51	4-10-51	1789
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	4-6-51	4-5-51	1572
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	3-30-51	3-30-51	1149
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	5-5-51	4-27-51	1016
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	5-8-51	5-9-51	1117
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	4-6-51	4-6-51	1302
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	4-5-51	4-11-51	1676
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	6-11-51	6-9-51	1188
16. LOVEWELL, N. N., Television, Telephony	3-30-51	3-30-51	1286
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	4-4-51	4-2-51	2000
18. KURZ, J. A., Power Plants; Speed Responsive Devices	4-4-51	4-3-51	1511
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	4-17-51	4-20-51	1123
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	4-28-51	4-28-51	1414
21. MADER, R. C., Textiles	4-5-51	4-5-51	1421
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	4-3-51	4-3-51	1268
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	3-26-51	3-31-51	888
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	5-23-51	5-29-51	1589
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	5-15-51	5-15-51	1258
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	4-11-51	4-11-51	1217
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	4-16-51	4-13-51	1728
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-7-51	4-12-51	1455
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	4-9-51	4-9-51	1473
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	6-1-51	6-1-51	1582
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part), e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-11-51	5-4-51	2042
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	5-11-51	4-21-51	1276
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-12-51	4-12-51	2137
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	4-27-51	4-26-51	1369
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	4-3-51	4-3-51	1600
36. McFADYEN, A. D., Measuring and Testing	3-27-51	3-27-51	1401
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	5-19-51	5-10-51	1217
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	4-21-51	4-23-51	1520
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	5-15-51	5-15-51	2271
40. DRUMMOND, E. J., Receptacles (part); Packages	4-25-51	4-24-51	2495
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	4-4-51	4-3-51	1233

*Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 105,104. Date of oldest new application, March 26, 1951; date of oldest amended application, March 27, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	4-18-51	4-19-51	1303
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	5-11-51	5-12-51	1244
44. HARVEY, L. P., Beds; Chairs, Seats	4-21-51	4-12-51	1466
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-12-51	4-16-51	1474
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	5-12-51	5-2-51	927
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	5-10-51	4-17-51	1412
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	4-30-51	4-23-51	1542
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	4-5-51	4-3-51	1606
50. LEVIN, S., Synthetic Resins	7-3-51	7-2-51	1628
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-23-51	4-24-51	1091
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	4-12-51	4-10-51	2156
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	5-15-51	4-28-51	1089
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-30-51	4-10-51	1711
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	5-17-51	5-15-51	1162
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	5-10-51	5-10-51	1785
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	5-1-51	5-1-51	1871
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	4-7-51	4-12-51	1214
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	5-7-51	4-16-51	1169
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-27-51	5-2-51	1089
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	4-9-51	4-10-51	1296
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	5-1-51	5-1-51	1379
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	5-5-51	5-8-51	1735
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	6-22-51	6-19-51	1768
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	5-7-51	5-7-51	1427
66. LISANN, L., Geometrical Instruments; Automatic Weighers; Weighing Scales	3-27-51	3-28-51	1117
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	4-27-51	5-4-51	1205
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	4-9-51	4-4-51	1786
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	4-18-51	4-16-51	1339
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements, Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	4-6-51	3-28-51	1572
DESIGNS: A. BREHM, G. L., Industrial Arts	9-10-51	10-2-51	911
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	10-3-51	10-4-51	656

Total number of trade-mark applications awaiting action (including renewals and republications), 16,018. Date of oldest new application, July 3, 1951; date of oldest amended application, July 2, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	7-3-51	7-2-51	5083
II. SUMMERS, G. S. Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	8-1-51	8-1-51	3204
Renewals (All Classes)	11-16-51	12-20-51	625
Republications (All Classes)	12-6-51	12-20-51	233
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	7-16-51	7-16-51	3871
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	8-7-51	7-30-51	3002

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,744,016, A. P. Steckel, Metal rolling; 1,779,195, same, Method and apparatus for rolling thin sheetlike material, filed Dec. 24, 1951, D. C., W. D. Pa. (Pittsburgh), Doc. 10179, *Universal-Cyclops Steel Corp.* v. *United Engineering & Foundry Co.*

1,779,195. (See 1,744,016.)

2,061,557, M. Blekmuhl et al., Anesthetic combinations, D. C., E. D. Pa., Doc. 12682, *Winthrop-Stearns, Inc.* v. *Procol Chemical Co. et al.* Consent judgment favor plaintiff and granting injunction Jan. 7, 1952.

2,097,838, S. Karrer, Safety device for gas burners; 2,126,564, O. J. Leins, Safety pilot shutoff; 2,213,844, H. A. Mantz, Safety control and shutoff device; 2,305,585, H. F. Alfery, Thermocouple and pilot burner, D. C., S. D. Calif. (Los Angeles), Doc. 12677—WM. *Milwaukee Gas Specialty Co. et al.* v. *Grayson-Greenamyer, Inc.* Stipulation and order dismissing action Jan. 4, 1952.

2,126,564. (See 2,097,838.)

2,129,778, H. A. Middleton, Liquid cooling and transporting system, appeal filed Oct. 1, 1951, C. C. A., 8th Cir. (St. Louis), Doc. 14464, *H. A. Middleton* v. *S. C. Wiley et al.*

2,203,296. (See Re. 23,326.)

2,213,844. (See 2,097,838.)

2,252,210, P. R. Seemiller, Method of making heat-exchange cores; 2,252,211, same, Heat-exchange core, appeal filed July 30, 1952, C. C. A., 1st Cir. (Boston), Doc. 4589, *McCord Corp.* v. *Beacon Auto Radiator Co., Inc.*

2,252,211. (See 2,252,210.)

2,271,290, E. Echikson, Tool, C. C. A., 1st Cir., Doc. 4595, *Red Devil Tools* v. *Hyde Mfg. Co.* Judgment of district court affirmed (notice Jan. 12, 1952).

2,283,200, J. W. Flude, Method and apparatus for subsurface mining, filed Jan. 3, 1952, D. C., S. D. Tex. (Houston), Doc. 6552, *J. W. Flude* v. *The Atlantic Refining Co.* Doc. 6553, *J. W. Flude* v. *Stanolind Oil & Gas Co.* Doc. 6554, *J. W. Flude* v. *Humble Oil & Refining Co.* Doc. 6555, *J. W. Flude* v. *Marine Instrument Co. et al.* Doc. 6556, *J. W. Flude* v. *United Geophysical Co., Inc.* Doc. 6557, *J. W. Flude* v. *Magnolia Petroleum Co.* Doc. 6558, *J. W. Flude* v. *Pan American Production Co. et al.*

2,300,157, G. R. Hunt, Feather-picking apparatus for fowls, D. C. Minn. (Minneapolis), Doc. 3865, *Greenbrier Co.* v. *Land O'Lakes Creameries, Inc.* Judgment for plaintiff for injunction (notice Jan. 7, 1952).

2,305,585. (See 2,097,838.)

2,342,551, D. Levkoff, Folding box, appeal filed Sept. 27, 1951, C. C. A., 1st Cir. (Boston), Doc. 4601, *Associated Folding Box Co., Inc., et al.* v. *D. Levkoff et al.*

2,485,901, H. D. McVicker et al., Machine for producing pads for journal lubrication, filed Dec. 27, 1951, D. C., W. D. Pa. (Pittsburgh), Doc. 10186, *A. A. McVicar et al.* v. *Railway Service & Supply Corp.*

2,489,159, Rudberg & Keller, Staple dispenser, D. C., S. D. Calif (Los Angeles), Doc. 11858—C, *J. Rudberg* v. *Avalon Staple Mfg. Co.* Dismissed for want of prosecution Nov. 28, 1951.

2,501,962, H. L. Pierce, Process for expanding earth materials, suit for declaratory judgment filed Dec. 15, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13688—HH, *Muehleisen Perlite Processing, Inc.* v. *H. L. Pierce.*

2,533,092, J. E. Chestnutt, Tobacco curing apparatus, filed Jan. 8, 1952, D. C., E. D. Va. (Richmond), Doc. 1454, *J. E. Chestnutt* v. *American Machine Development Corp.*

2,551,110, R. Fuller, Portable form for lining irrigation ditches, filed Dec. 18, 1951, D. C. Ariz. (Phoenix), Doc. 1701, *Fullerform, Inc.* v. *J. Freeland.*

Re. 23,326 (of 2,203,296), G. Fleischel, Device for control and operation by fluid servo-motor, C. C. A., 4th Cir., Doc. 6307, *Specialty Equipment & Machinery Corp.* v. *The Zell Motor Car Co. et al.* Decree reversed Jan. 9, 1952.

Des. 151,732, W. G. Bley, Lady's stocking, D. C., E. D. Pa., Doc. 12963, *Sanson Hosiery Mills, Inc., et al.* v. *H. E. Hosiery Co.* Consent judgment favor plaintiff and granting injunction Jan. 8, 1952.

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 20,065, The Singer Mfg. Co., Manufactured machine, filed Jan. 4, 1952, D. C., S. D. N. Y., Doc. 72/174, *The Singer Mfg. Co. et al.* v. *Singer Sewing Machine Repair Center.*

T. M. 36,871, Mountain Valley Springs Co., Water; T. M. 51,448, same, Mineral-spring water; T. M. 528,802, same, Soft drinks, carbonated waters and mineral water, D. C., W. D. Ark. (Hot Springs), Doc. 451, *Mountain Valley Springs Co.* v. *Sleepy Valley Mineral Water Co.* Case dismissed without prejudice Oct. 11, 1951.

T. M. 51,448. (See T. M. 36,871.)

T. M. 334,168, St. George Textile Corp., Rayon and cotton piece goods, filed Jan. 10, 1952, D. C., S. D. N. Y., Doc. 72/241, *St. George Textile Corp.* v. *Saks & Co.* Doc. 72/242, *St. George Textile Corp.* v. *Franklin Simon & Co., Inc.*

T. M. 528,802. (See T. M. 36,871.)

T. M. 536,826, Louis Milani Foods, Inc., Seasoning for use on foods, filed Jan. 7, 1952, D. C., S. D. N. Y., Doc. 72/185, *Louis Milani Foods, Inc.* v. *Epicure Specialties.*

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PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

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NOTICES

Errata

All references to Patent No. 2,584,285, to Svend L. Pedersen for Strain Relief for Electrical Connectors appearing in the OFFICIAL GAZETTE of February 5, 1952, should be deleted as the application was withdrawn from issue and the patent was not issued.

All references to Patent No. 2,584,574 to Paul F. M. Gloess and Jean A. M. L. Gallavardin for Electronic Distributor for Counting and Similar Purposes, appearing in the OFFICIAL GAZETTE of February 5, 1952, should be deleted as the application was withdrawn from issue and the patent was not issued.

Trade-Mark Registrations

Premature Filing of Affidavits Under Section 8

The Patent Office has received a number of affidavits under section 8 of the Trade-Mark Act of 1946 before the time specified in the statute. Such affidavits can be of no effect unless filed during the period specified in the statute and prematurely filed affidavits will be returned.

Section 8 of the Trade-Mark Act of 1946 provides that registrations issued under the provisions of the act of 1946, and registrations republished under section 12(c) of said act, will be canceled at the end of six years following the date of registration, or the date of republication, unless, within one year next preceding the expiration of such six years, the registrant files in the Patent Office an affidavit showing that the mark is still in use or showing that its nonuse is due to special circumstances which excuse such nonuse and is not due to any intention to abandon the mark. Attention is further called to Trade-Mark Rules 32.1 to 32.5 relating to such affidavits. Since the registrant must show, during the sixth year, that the trade-mark is still in use, the affidavit must not be executed before the sixth year begins.

The Patent Office has also received affidavits under section 8 in cases where they are not required. Such affidavits are not required in the case of 1881 and 1905 act registrations which have not been republished under section 12(c), even though such registrations have been renewed under the provisions of section 9 of the Trade-Mark Act of 1946. Such affidavits will be returned.

ERNEST F. KLINGE,
Jan. 17, 1952. *Assistant Commissioner of Patents.*

Adjudicated Patent

(D. C. Mo.) Mayberry et al, Patent No. 2,505,560, for a cotton chopper, *Held* valid and infringed. *Mayco Co. v. Kennett Cotton Chopper Mfg. Co.*, 101 F. Supp. 117; — USPQ —.

Disclaimers

2,508,447.—*Joseph H. Cooper*, San Francisco, Calif. AZO PIGMENT AND ALKYD RESIN COATING COMPOSITIONS CONTAINING SAME. Patent dated May 23, 1950. Disclaimer filed Jan. 14, 1952, by the assignee, *E. I du Pont de Nemours & Company.*

Hereby enters this disclaimer to claim 1 of said patent.

2,517,150.—*Donald R. Webb*, Schenectady, N. Y. GOVERNOR. Patent dated Aug. 1, 1950. Disclaimer filed Nov. 2, 1951, by the assignee, *General Electric Company.*

Hereby enters this disclaimer to claims 3 and 4 of said patent.

Cancellation Notices

George Hess Co. Inc., his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Finchley, Inc., 564 Fifth Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of George Hess Co. Inc., 1385 Broadway, New York, N. Y., No. 352,546, dated November 30, 1937, and the notice of such proceeding sent by registered mail to the said George Hess Co. Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said George Hess Co. Inc., his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—Jan. 29, 1952.)

ERNEST F. KLINGE,
Jan. 9. *Assistant Commissioner of Patents.*

Constantine J. Skouras, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by C. G. Paris, 204 Stewart Building, Baltimore, Maryland, to effect the cancellation of trade-mark registration of Constantine J. Skouras, 271 West 125th St., New York, New York, No. 391,053, dated October 21, 1941, and the notice of such proceeding sent by registered mail to the said Constantine J. Skouras at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Constantine J. Skouras, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—Feb. 5, 1952.)

ERNEST F. KLINGE,
Jan. 16, 1952. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,564,812. Feeler Gauge Holder. Patented Aug. 21, 1951. Handy tool for mechanics features a head threadedly attached to one end of cylindrical handle. The head has a wedge-shaped recess defining a pair of spaced jaws. A wedge-shaped block is removably seated in the recess, and a U-shaped clip straddles the upper jaw. A securing screw extends through openings in the clip, and upper jaw is threaded into an opening in the block. A feeler gauge, small file, or the like may be releasably clamped between the block and lower jaw. A wrench head for adjusting tappet valves, etc., is threaded on the opposite end of the handle. The heads may be formed with transverse slots to receive the ends of other gauges, which may be clamped against the ends of the handle by the heads. (Owner) Cap McGuire, 6323 Albany St., Huntington Park, Calif. Group 33—52. Reg. No. 46,453.

Pat. 2,446,473. Combustion Chamber Structure With Spiral Air Inlet. Patented Aug. 3, 1948. This invention relates to a device without grates for the combustion of fuels. A spirally formed wall of non-combustible material has an open top and closed bottom. The inner portion of the spiral passageway constitutes a combustion chamber, and the remainder of the spiral passageway constitutes an air inlet duct for imparting cyclonic motion to the air entering the combustion chamber. The device may be designed for outdoor use as a trash or sawdust incinerator, camp stove, etc., or may be installed for use with a steam boiler in domestic heating or cooking units, or for other industrial or domestic purposes. (Owner) Milton E. Hanna, 218 West Central St., Albuquerque, N. Mex. Group 33—62—69. Reg. No. 46,454.

Pat. 2,192,206. Measurement of Conversion Conductance. Patented Mar. 5, 1940. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Simplified apparatus for measuring, at usual power frequencies, the conversion conductance of a converter or mixer tube is designed to eliminate the complications involved in determining conversion conductance at radio frequencies or by mathematical calculation from static characteristics. (Owner) Komnenus M. Soukaras, 2310 N. W. 15th St., Miami 35, Fla. Group 36—13—19. Reg. No. 46,455.

Pat. 2,563,879. Time Characteristic Determination of Recurrent Signals. Patented Aug. 14, 1951. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Provides a method and apparatus for pulse length and pulse repetition frequency measurement and discrimination requiring a minimum of apparatus. The invention measures the time relation between recurrent voltage variations such as radar pulses by delaying one variation until it coincides with another. This delay may be controlled by turning a dial calibrated in time or frequency and the coincidence indicated by suitable means such as a light. When the proper delay has been applied, the indicator lights, and the time relation may be read from the calibrated dial. Similarly, the invention may be used as a discriminator to respond only to variations having the time relation selected by the dial, and for this purpose the indicator may be replaced by any suitable output circuit to produce the response desired. (Owner) Komnenus M. Soukaras, 2310 N. W. 15th St., Miami 35, Fla. Group 36—13—19. Reg. No. 46,456.

Pat. 2,565,775. Housing Having a Spring Supported Closure Remover. Patented Aug. 28, 1951. A device for removing crown type bottle caps may be attached to a wall or other support. A hollow body has a front wall with an aperture to receive the neck and cap of a bottle. A spring-supported cap extractor has a hook-shaped end adjacent inner side of wall at side of aperture to force the bottle neck against opposite side of aperture and engage edge of cap. A slot is provided below a stop for the escape of the caps. Modification shown. (Owner) William S. Mendenhall, P. O. Box 96, University Station, Seattle 5, Wash. Groups 33—52—73; 39—81; 40. Reg. No. 46,457.

General Mills offers the following 18 patents for licensing on reasonable terms. Applications for license may be addressed to the Director of the Patent Section of the Legal Department, General Mills, Inc., 400 Second Ave. South, Minneapolis 1, Minn.

PATENTS PERTAINING TO PROVITAMINS, VITAMINS, OR VITAMIN PRODUCTS. Groups 20—23—92; 28—21—22—23—25—29—31; 35—51.

Pat. 2,167,272. Process of Producing Crystalline Ergosterol. Patented July 25, 1939. Reg. No. 46,458.

Pat. 2,179,560. Process of Vitamin D Concentration. Patented Nov. 14, 1939. Reg. No. 46,459.

Pat. 2,203,400. Process of Producing Vitamin E Concentrate. Patented June 4, 1940. Reg. No. 46,460.

Pat. 2,245,418. Concentrated Vitamin D in Evaporated Milk and Process of Producing the Same. Patented June 10, 1941. Reg. No. 46,461.

Pat. 2,262,995. Apparatus for Vaporizing and Treating Materials Under High Vacuum. Patented Nov. 18, 1941. Reg. No. 46,462.

Pat. 2,262,996. Process for Vaporizing and Treating Materials Under High Vacuum. Patented Nov. 18, 1941. Reg. No. 46,463.

Pat. 2,263,550. Process for Preparation of Vitamin E Concentrate and Antioxidant. Patented Nov. 18, 1941. Reg. No. 46,464.

Pat. 2,265,320. Process of Making a Concentrate of Vitamin D_2 in Evaporated Milk. Patented Dec. 9, 1941. Reg. No. 46,465.

Pat. 2,300,410. Vitamin-Containing Emulsion and Process of Producing the Same. Patented Nov. 3, 1942. Reg. No. 46,466.

Pat. 2,314,119. Chemical Treatment Apparatus. Patented Mar. 16, 1943. Reg. No. 46,467.

Pat. 2,324,195. Apparatus for Treating Chemicals. Patented July 13, 1943. Reg. No. 46,468.

Pat. 2,355,414. Vaporizing Device. Patented Aug. 8, 1944. Reg. No. 46,469.

Pat. 2,408,908. Method of Producing Antirachitic Material. Patented Oct. 8, 1946. Reg. No. 46,470.

PATENTS PERTAINING TO THE STABILIZATION OF FATTY MATERIALS. Groups 20—11—23—92—93—99; 28—21—22—23—29—31.

Pat. 2,377,029. Stabilization of Fat Products. Patented May 29, 1945. Reg. No. 46,471.

Pat. 2,377,030. Stabilization of Fatty Products. Patented May 29, 1945. Reg. No. 46,472.

Pat. 2,377,031. Stabilization of Fat Products. Patented May 29, 1945. Reg. No. 46,473.

Pat. 2,462,663. Stabilization of Oleaginous Materials. Patented Feb. 22, 1949. Reg. No. 46,474.

Pat. 2,462,664. Stabilization of Oleaginous Materials. Patented Feb. 22, 1949. Reg. No. 46,475.

Pat. 2,561,461. Furnace Stack Lining Supporting Plate. Patented July 24, 1951. A support for a brick lining of a furnace stack or other brick work constructions. A series of horizontal plates with arcuate inner and outer edges providing segments of a circle positioned in a furnace stack have integral upstanding flanges at their outer edges attached to the stack. The plates, which increase in thickness from the outer to the inner edges, are spaced vertically to receive layers of bricks therebetween. The plates have slots which open into an annular space. The space is filled with a packing, and the slots are sealed to prevent the escape of gas. (Owner) Sylvester Coleman, Jr., 1601 North State St., Orem, Utah. Groups 33—62; 34—95. Reg. No. 46,476.

General Electric Company offers the following 54 patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The majority of these patents relate to X-ray apparatus and equipment. Other patents relate to an electrocardiograph, and a galvanometer for such an instrument; and a diffusion pump. Groups 34—81; 35—61; 36—12—92; 39—12. Reg. Nos. 46,477 through 46,530.

Pat. 1,992,894. Vertical Stereoradiographic Apparatus. Feb. 26, 1935.

Pat. 2,001,004. X-Ray Tube Holder. May 14, 1935.

Pat. 2,038,327. X-Ray Table. Apr. 21, 1936.

Pat. 2,052,956. X-Ray Operating Table. Sept. 1, 1936.

Pat. 2,062,562. Bucky Diaphragm. Dec. 1, 1936.

Pat. 2,081,077. Means for Keeping a Tank Filled With Oil. May 18, 1937.

Pat. 2,090,582. X-Ray Tube. Aug. 17, 1937.

Pat. 2,091,978. Tube Casing. Sept. 7, 1937.

Pat. 2,115,755. Method of Making a Radiographic Diaphragm. May 3, 1938.

Pat. 2,118,449. Serial Roentgenogram Apparatus. May 24, 1938.

Pat. 2,121,632. X-Ray Tube. June 21, 1938.

Pat. 2,179,859. X-Ray Inspection Apparatus. Nov. 14, 1939.

Pat. 2,185,826. Rotatable Anode X-Ray Tube. Jan. 2, 1940.

Pat. 2,204,347. Radiographic Method and Apparatus. June 11, 1940.

Pat. 2,208,265. Radiographic Method and Apparatus. July 16, 1940.

Pat. 2,212,025. X-Ray Apparatus. Aug. 20, 1940.

Pat. 2,220,246. Inspection Equipment. Nov. 5, 1940.

Pat. 2,230,857. Bearing. Feb. 4, 1941.

Pat. 2,230,858. Bearing. Feb. 4, 1941.

Pat. 2,233,194. Rotating Anode X-Ray Tube. Feb. 25, 1941.

Pat. 2,242,812. Electrical System. May 20, 1941.

Pat. 2,248,976. Radiographic Unit. July 15, 1941.

Pat. 2,250,322. Anode and Alloy for Making Same. July 22, 1941.

Pat. 2,298,335. Multiple Target Anode. Oct. 13, 1942.

Pat. 2,309,566. Window for X-Ray Tubes. Jan. 26, 1943.

Pat. 2,311,724. X-Ray Tube. Feb. 23, 1943.

Pat. 2,311,725. X-Ray Tube. Feb. 23, 1943.

Pat. 2,322,816. Galvanometer. June 29, 1943.

Pat. 2,327,586. X-Ray Tube. Aug. 24, 1943.

Pat. 2,327,603. Radiographic Apparatus. Aug. 24, 1943.

Pat. 2,329,318. X-Ray Generator. Sept. 14, 1943.

Pat. 2,329,320. X-Ray Tube. Sept. 14, 1943.

Pat. 2,332,426. X-Ray Tube. Oct. 19, 1943.

Pat. 2,336,764. Pump. Dec. 14, 1943.

Pat. 2,336,769. X-Ray Tube. Dec. 14, 1943.

Pat. 2,343,729. X-Ray Apparatus. Mar. 7, 1944.

Pat. 2,345,722. X-Ray Tube. Apr. 4, 1944.

Pat. 2,345,723. X-Ray Tube. Apr. 4, 1944.

Pat. 2,350,269. X-Ray Tube. May 30, 1944.

Pat. 2,356,645. X-Ray Tube. Aug. 22, 1944.

Pat. 2,358,200. Grid Assembly Structure. Sept. 12, 1944.

Pat. 2,365,855. X-Ray Tube. Dec. 26, 1944.

Pat. 2,379,397. Anode Structure. June 26, 1945.

Pat. 2,387,427. X-Ray Apparatus. Oct. 23, 1945.

Pat. 2,430,800. Rotating Anode Construction. Nov. 11, 1947.

Pat. 2,438,341. Electrocardiograph. Mar. 23, 1948.

Pat. 2,445,257. Thermionic Emitting Device. July 13, 1948.

Pat. 2,452,626. Electron Emitter. Nov. 2, 1948.

Pat. 2,457,626. Grid Construction. Dec. 28, 1948.

Pat. 2,482,053. Anode Construction. Sept. 13, 1949.

Pat. 2,488,200. Rotating Vacuum Seal. Nov. 15, 1949.

Pat. 2,490,234. Variable Speed Apparatus. Dec. 6, 1949.

Pat. 2,497,445. Film Marking Device. Feb. 14, 1950.

Pat. 2,516,663. Conductive Coating on Glass. July 25, 1950.

United States Government Owned Patent

The following patent is the property of the United States as represented by the Secretary of the Interior by virtue of an assignment from the inventor, John B. Zadra. Non-exclusive and royalty-free licenses are available. Applications for licenses should be directed to: The Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,563,903. Electrolytic Cell for the Deposition of Gold and/or Silver From Solutions. Patented Aug. 14, 1951. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Electrolytic cell for stripping precious metals from solutions by electrodeposition upon charred excelsior. A vertical metallic pipe of a centrally positioned cathode assembly serves as an inlet conduit for the introduction of metal-bearing solutions into the cell, and also as a negative bus bar for delivery of electric current to the cell. A non-conductive perforated basket surrounding the cathode assembly is adapted to be filled with charred excelsior. A perforated anode surrounds the basket, and a weir cup surrounds the anode. The weir controls the fluid level in the cell. Overflow from the weir collects in a launder. Groups 34—21—72; 36—92. Reg. No. 46,531.

Patent Removed from Register

Pat. 2,091,466. Mottled Paint. Listed by Hugo C. Gollmer in the OFFICIAL GAZETTE, June 26, 1945, Reg. No. 15. The patent has been sold and is, therefore, withdrawn from the Register.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 12, 1952

[VOL. 655. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 500,481. March Corporation, Chicago, Ill. Filed Apr. 18, 1946.

SMOKEMASTER

For Smoking Pipes.
Claims use since Apr. 5, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,048. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed July 3, 1947.



For Loose Writing Paper for School or Office Use, Put Up in Wrapped Packages, Boxes, or Banded.
Claims use since 1932.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 525,901. The Maryland Biscuit Company, Baltimore, Md. Filed July 3, 1947.

MARYLAND
CHEESE FLIPS

The words "Maryland" and "Cheese" are disclaimed.
For Cheese Crackers.
Claims use since June 1932.

ACT OF 1946

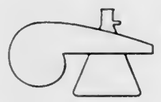
The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 607,765. Alexander Smith & Sons Carpet Company, Yonkers, N. Y., now by change of name Alexander Smith, Incorporated. Filed Dec. 16, 1950.



For Artificially Crimped Natural and Synthetic Textile Fibers—Namely, Wool, Cotton, Silk, Rayon, and Nylon in Fiber Form.
Claims use since Oct. 26, 1950.

Ser. No. 607,766. Alexander Smith & Sons Carpet Company, Yonkers, N. Y., now by change of name Alexander Smith, Incorporated. Filed Dec. 16, 1950.

Textralized

For Artificially Crimped Natural and Synthetic Textile Fibers—Namely, Wool, Cotton, Silk, Rayon, and Nylon in Fiber Form.
Claims use since Oct. 26, 1950.

Ser. No. 611,802. Nya Läderfabriks A/B Göta, Orebro, Sweden. Filed Mar. 26, 1951.



The expressions "Nya Läderfabriks AB Göta" and "Örebro, Sweden" are disclaimed. Applicant claims ownership of Swedish Registration No. 68,863, dated Oct. 6, 1950.

For Leather for Manufacturing Purposes, Such as Upper Leather, Sole Leather, Saddle Leather, and Furniture Leather.

Ser. No. 612,408. Clint McDade & Sons, Inc., Signal Mountain, Tenn. Filed Apr. 9, 1951.

Rivermont Orchids

The word "Orchids" is disclaimed.

For Flowers and Particularly Orchids.

Claims use since Jan. 1, 1938.

Ser. No. 615,474. Bacmo Postman Corporation, New York, N. Y. Filed June 21, 1951.

DOVELLE

Applicant claims ownership of Registration No. 272,053.

For Glove Leather.

Claims use since January 1925.

CLASS 2

RECEPTACLES

Ser. No. 490,917. Bemis Bro. Bag Company, St. Louis, Mo. Original filed, act of 1905, Nov. 2, 1945; amended to application under act of 1946, Principal Register, July 5, 1947. (Sec. 2f.)

CORDLINED

For Waterproof Bags Made of Paper Laminated With Waterproof Material and Reinforced With Cotton or Jute Cords or Open-Mesh Material.

Claims use since Jan. 1, 1936.

Ser. No. 530,554. F. H. Noble & Co., Chicago, Ill. Filed Aug. 5, 1947.



Applicant claims ownership of Registrations Nos. 339,472, 340,385, and 350,137.

For Ornamental Boxes and Cases of Base Metal, Wood, Plastic, Fabric, Cellulosic Material, and Leather for Packaging and Displaying Various Articles of Merchandise.

Claims use since January 1919.

Ser. No. 545,509. National Cylinder Gas Company, Chicago, Ill. Filed Dec. 26, 1947.

NCG

For Electrode Carrying Cases, Sold Empty, and Made of Leather and Metal, Fabric and Metal, or Leather, Fabric, and Metal; Welders' Carrying Cases, Sold Empty, and Made Principally of Metal; and Cylinders for Compressed Gases, Made of Metal, and Sold or Rented Empty.

Claims use since 1935.

Ser. No. 570,131. Stor-Aid Closet Accessories, Inc., New York, N. Y. Filed Dec. 7, 1948.

DISPENSOMAT

For Perforated Cardboard Cartons Designed To Be Placed Within the Interior of a Garment Bag as a Container for a Moth Preventative.

Claims use since Oct.1, 1948.

Ser. No. 591,641. Stokes Molded Products, Inc., Trenton, N. J. Filed Jan. 28, 1950.



Applicant claims ownership of Registrations Nos. 292,057, 293,884, and 531,674.

For Hard Rubber or Plastic Jars, Buckets, and Cases for Portable Electrical Equipment.

Claims use since Nov. 25, 1949.

Ser. No. 602,174. Wm. Thoresen Co., Chicago, Ill. Filed Aug. 14, 1950.

THIRST QUENCHER

For Plastic Sprinkling Cans.

Claims use since May 1, 1950.

Ser. No. 604,347. G. H. Bishop Company, Chicago, Ill. Filed Oct. 3, 1950. (Sec. 2f.)

BISHOP

For Metal Pails.

Claims use since 1893.

Ser. No. 611,349. The Gardner Board and Carton Co., Middletown, Ohio. Filed Mar. 15, 1951.



The words "Gardner Board and Carton," "From Pulp to Finished Product" and "Engineered Progress" are disclaimed. Applicant claims ownership of Registration No. 396,907.

For Boxes and Cartons Made of Paperboard Material.

Claims use since Oct. 31, 1950.

Ser. No. 613,772. Robert Gair Company, Inc., New York, N. Y. Filed May 11, 1951.

GAIRVURE

Applicant claims ownership of Registrations Nos. 384,273, 526,213, and 526,214.

For Paperboard Cartons.

Claims use since Feb. 26, 1951.

Ser. No. 617,646. Bemis Bro. Bag Company, St. Louis, Mo. Filed Aug. 14, 1951.

POLYCREPE

For Coated Fabric Bags.

Claims use since July 19, 1951.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 580,706. A. Reed Wilson Co., Kansas City, Mo. Filed June 17, 1949.



Applicant claims ownership of Registration No. 304,696.

For Liquid Self-Polishing Wax Used as a Protective Coating for Wood, Linoleum, Terrazzo, and Cement Floors, and Liquid Varnish of the Synthetic Gum Type for Sealing and Finishing Wood Floors.

Claims use since Nov. 10, 1932.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 565,446. S. B. Penick & Company, New York, N. Y. Filed Sept. 18, 1948. (Classified in Class 18.)



The words "S. B. Penick & Company, Asheville, New York, Chicago" and "Father of Medicine" are disclaimed except as shown in the drawing. The mark represents the name of Syndor Barksdale Penick, who has filed written consent giving applicant the right to register his name.

For:

Insecticides

Pyrethrins Preparations, Pyrethrum Oleoresin, Pyrethrum and DDT Preparations, Pyrethrum Extracts, Powdered Pyrethrum Flowers, Pyrethrum-Rotenone Preparations, DDT Preparations, Powdered Cube Root, Soft Extract of Cube, Liquid Extract of Cube, Rotenone and Preparations, Sabadilla Seed, Sabadilla Insecticide Powdered, Sabadilla and Sulphur Preparations, Red Squill and Preparations, Benzene Hexachloride, Powdered Derris Root.

Medicinal-Industrial Chemicals

Acids: Arsenious Technical, Benzoic, Boric Powder, Gallic, Hydrobromic, Molybdic, Oleic, Pyrogallic, Tannic, Stearic, Tannic, Albumen Egg Powdered, Albumen Egg Scales, Alum Ammonium, Alum Potash, Alum Ammonium Powder, Ammonium Salts, Benzocain, Betanaphthol Benzoate (Benzonaphthol), Bromine, Bromoform, Bromural, Calamine Prepared, Calcium Salts and Compounds, Camphor Monobromated, Carbromal, Carmine, Cresol, Copper Sulphate, Dextrine, Dextrose, Gelatin, Glyceryl Monostearate, Hydroquinone, Ichthammol, Iron and Iron Compounds, Kaolin, Lactose, Lanolin, Lead Salts and Compounds, Lithium Salts, Manganese Carbonate, Magnesium Salts and Compounds, Mannite, Menthol, Mercury, Metol, Milk Sugar, Nikethamide, Oxyquinoline, Oxyquinoline Sulphate, Phenothiazine, Potassium Salts, Procaine Hydrochloride, Pyridine, Resorcin, Silver Protein, Sodium Salts and Compounds, Strontium Salts, Sulphur, Talcum, Tartar Emetic, Terpin Hydrate, Thiocarbamide, Titanium Dioxide, Urethane, Zinc Oxide, Aludrine Sulfate.

Chemicals

Calamine Prepared.

Incense

Olibanum Gum, Sandalwood, Sandalwood Chips, Paprikol Oleoresin.

Claims use since 1914.

Ser. No. 581,110. Advance Solvents & Chemical Corporation, New York, N. Y. Filed June 27, 1949.

PLASTOFLEX

Applicant claims ownership of Registration No. 267,348.

For Chemical Preparations To Be Used as a Plasticizer in the Industrial Arts.

Claims use since Aug. 13, 1929.

Ser. No. 604,172. Van Cleef Bros., Inc., Chicago, Ill. Filed Sept. 28, 1950.



The word "Brand" is disclaimed. The portrait is that of one Dee Balla, consent filed. Applicant claims ownership of Registration No. 194,819.

For Brake Fluid, Shock Absorber Fluid, and Bearing Blue.

Claims use since February 1918.

Ser. No. 613,848. Insto-Gas Corporation, Detroit, Mich. Filed May 14, 1951.

Insto-Gas

The word "Gas" is disclaimed. Applicant claims ownership of Registrations Nos. 397,160 and 509,037.

For Liquefied Gas for Use in Portable Containers Used as Fuel.

Claims use since Dec. 12, 1934.

Ser. No. 615,072. Mathieson Chemical Corporation, Baltimore, Md. Filed June 12, 1951.



The mark represents the head of an eagle in stylized form.

For Insecticides.

Claims use since May 22, 1951.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 544,251. Briarcraft, Inc., New York, N. Y. Filed Dec. 13, 1947.

Smokemaster

For Tobacco Pipes.
Claims use since Jan. 17, 1935.

Ser. No. 616,181. John Hudson Moore, Inc., New York, N. Y., now by merger The Lambert Company, a corporation of Delaware. Filed July 6, 1951.

Fantail

For Smokers' Pipes.
Claims use since June 28, 1951.

CLASS 10

FERTILIZERS

Ser. No. 615,411. E. Rauh & Sons Fertilizer Co., Indianapolis, Ind. Filed June 19, 1951. (Sec. 2f as to the word "Rauh."



The drawing is lined for the colors red and blue. The words "First in the Field" and "Quality" are disclaimed. Applicant claims ownership of Registrations Nos. 422,865 and 420,953.
For Tankage and Fertilizer.
Claims use since Aug. 6, 1923.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 614,529. Waters Manufacturing Company, Culver City, Calif. Filed May 29, 1951. (Sec. 2f.)



Applicant claims ownership of Registration No. 373,790.
For Carbon Papers and Inked Ribbons.
Claims use since Sept. 1, 1937.

Ser. No. 614,778. Interchemical Corporation, New York, N. Y. Filed June 5, 1951

POLYSET

For Printing Inks.
Claims use since Jan. 5, 1951.

Ser. No. 614,881. Fred'k H. Levey Company, Inc., New York, N. Y. Filed June 7, 1951.

FLASHSET

Applicant claims ownership of Registrations Nos. 314,647 and 429,038.
For Printing Inks.
Claims use since Jan. 22, 1951.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 551,559. Wilbert W. Haase Co., Forest Park, Ill. Filed Mar. 9, 1948.

PLASCO

For Asphaltic Sealing Composition for Concrete Burial Vaults.
Claims use since Mar. 20, 1947.

Ser. No. 556,861. American Art Metals Company, Atlanta, Ga. Filed May 12, 1948. (Sec. 2f.)

AMERICAN ART METALS COMPANY

For Metallic Structural Elements—Namely, Doors, Door Frames, and Door Hardware, Sold as a Complete Unit.
Claims use since September 1939.

Ser. No. 581,735. Rolscreen Company, Pella, Iowa. Filed July 9, 1949. (Sec. 2f.)

Rolscreen

For Window Screens.
Claims use since June 1924.

Ser. No. 603,224. The Di-Noc Company, Cleveland, Ohio. Filed Sept. 7, 1950.

DINO-LITE

For Wall Board Having a Decorated Surface.
Claims use since Feb. 3, 1950.

Ser. No. 605,055. Herman J. Reich, doing business as Magic Iron Cement Company, Cleveland, Ohio. Filed Oct. 17, 1950.

Magic

Applicant claims ownership of Registration No. 412,098.
For Concrete and Masonry Iron Waterproofing Compound, Plastic Lead Sealing Compound, Wood Putty, Spot Putty, and Pipe Joint Compound.
Claims use since June 1934.

Ser. No. 608,859. The Carney Company, Inc., Mankato, Minn. Filed Jan. 17, 1951.

Handicrete

For Concrete Gravel Mix.
Claims use since Dec. 15, 1950.

Ser. No. 611,758. Certain-teed Products Corporation, Ardmore, Pa. Filed Mar. 26, 1951.

DENSITE

Applicant claims ownership of Registration No. 292,473.
For Plaster of Calcined Gypsum for the Making of Molded and Formed Objects and Structures in the Construction, Building, and Industrial Arts.
Claims use since Mar. 12, 1931.

Ser. No. 615,372. The Danbury Rubber Co., Inc., Danbury, Conn. Filed June 19, 1951.

FIESTA-TILE

The word "Tile" is disclaimed.
For Floor and Wall Tile.
Claims use since May 25, 1951.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 562,071. Laboratory Furniture Company, Inc., Long Island City, N. Y. Filed July 23, 1948. (Sec. 2f as to the term "Steelab.")



The drawing is lined for the color gold.
For Sinks, Trays of Sheet Metal, Soap Dishes for Mounting on Sink Backs, Drain Bowls, Traps, Strainers, Petcocks, Valves To Regulate Flow of Liquid, Faucets, Hard Rubber Hose Cocks, Hot and Cold Water Manifolds, Safety Shower Heads, Pipe Racks, and Stanchions for Supporting Pipes.
Claims use since July 1, 1925.

Ser. No. 576,548. Mud Products, Inc., Tulsa, Okla. Filed Apr. 2, 1949.

MUD C

The word "Mud" is disclaimed. The drawing is lined for red and black.
For Butterfly Flapper Valves.
Claims use since Nov. 15, 1948.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 580,180. The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa. Filed June 9, 1949.

ZEROK

For Acid and Alkali Resistant Synthetic Resin Base Coating Preparation, and Solvent Therefor, Used To Coat Floors or Tank Surfaces.
Claims use since May 28, 1940.

Ser. No. 580,706. A. Reed Wilson Co., Kansas City, Mo. Filed June 17, 1949. (Classified in Class 4.)



Applicant claims ownership of Registration No. 304,696.
For Liquid Self-Polishing Wax Used as a Protective Coating for Wood, Linoleum, Terrazzo, and Cement Floors, and Liquid Varnish of the Synthetic Gum Type for Sealing and Finishing Wood Floors.
Claims use since Nov. 10, 1932.

Ser. No. 599,506. John D. Farber, doing business under the name of Briggs Bituminous Composition Co., Philadelphia, Pa. Filed June 21, 1950.

OHM.

For Bituminous Compound Paint Coatings for the Preservation and Protection of Metal, Galvanized Metal, Cork, Concrete, Wood, Glass, Plastic, and Rubber Surfaces.
Claims use since Aug. 5, 1949.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 565,446. S. B. Penick & Company, New York, N. Y. Filed Sept. 18, 1948.



The words "S. B. Penick & Company, Asheville, New York, Chicago" and "Father of Medicine" are disclaimed except as shown in the drawing. The mark represents the name of Syndor Barksdale Penick, who has filed written consent giving applicant the right to register his name.
For Chemicals, Medicines, and Pharmaceutical Preparations—Namely:

Botanical Drugs

Acacia Gum, Aconite Leaves, Aconite Root, Adam and Eve Root, Adonis Vernalis, Agar, Agaric White, Agrimony Herb, Aletris Root, Alfalfa Herb, Algaex, Alkanet Root, Allspice, Almond Meal, Almonds, Aloes Barbadoes, Aloes Cape, Aloes Curacao, Aloes Socotrine True, Aloin, Althea Leaves, Althea Root, Ambrette Seed, Ammoniac Gum,

Angelica Root, Angelica Seed, Angostura Bark, Anise Seed, Annatto Seed, Ants Eggs, Arbor Vitae, Areca Nuts, Argols Red, Arnica Flowers, Arnica Root True, Aromatic Powder, Arrow Root, Asafoetida Gum, Asparagus Root, Asparagus Seed, Avena Sativa.

Balm Gilead Buds True, Balmony Leaves, Balsam Copaiba, Balsam Fir Canada, Balsam Fir Oregon, Balsam Peru, Balsam Tolu, Bamboo Brier Compound, Bamboo Brier Root, Barberry Bark of Root, Barberry Bark of Tree, Bitter Root, Bittersweet Twigs, Black Ash Bark, Blackberries, Blackberry Bark of Root, Blackberry Leaves, Blackberry Root, Black Cohosh Root, Black Haw Bark of Root, Black Haw Bark of Tree, Black Indian Hemp Root, Black Walnut Bark, Black Walnut Hulls, Black Walnut Leaves, Black Willow Bark, Black Willow Buds, Bladder Wrack, Blessed Thistle, Blood Root, Blue Cohosh Root, Blue Flag Root, Boldo Leaves, Bole Armenia, Boneset Herb, Boneset Leaves, Borage Flowers, Borage Herb True, Brazil Wood Chips, Breast Tea, Brewer's Yeast, Broom Corn Seed, Broom Tops, Bryonia Root White, Buchu Leaves, Buckbean Leaves, Buckthorn Bark, Buckthorn Berries, Bugle Weed Herb, Bull Thistle Root, Burdock Root, Burdock Seed, Burgundy Pitch, Butternut Bark of Root.

Cactus Grandiflorus, Calabar Beans, Calamus Root, Calendula Flowers, Canella Bark, Capsicum, Capsicum Pods, Caraway Seed, Cardamom Compound, Cardamom Seed, Cascara Sagrada Bark, Cascarilla Bark, Cassia Bark, Cassia Buds, Cassia Fistula, Castile Soap, Catechu Gum, Catnip Herb, Catnip Leaves, Cedar Sawdust Red, Cedron Seed, Celery Seed, Centaury Herb, Chalk, Chamomile Flowers, Chaparro Amargosa, Charcoal, Chestnut Leaves, Chicory Root, Chiretta Herb, Cinchona Bark, Cinnamon Bark, Cleavers Herb, Clover Tops Red, Cloves, Cocculus Indicus, Cocillana Bark, Cocoa Butter, Cocoa Nibs, Cocoa Shells, Colchicum Root, Colchicum Seed, Colocynth Pulp, Colombo Root, Coltsfoot Leaves, Comfrey Root, Condurango Bark, Conium Leaves, Conium Seed, Copal Gum, Coriander Seed, Corn Silk, Corsican Moss, Costus Root, Cotton Root Bark, Cramp Bark Genuine, Cranesbill Root, Crea Monda, Cubeb Berries, Cudbear, Culver's Root, Curacao Peel, Cyani Flowers.

Damar Gum, Damiana Extract, Damiana Leaves, Dandelion Leaves, Dandelion Root, Deer Tongue Leaves, Devil's Shoe Strings, Dextrine, Digitalis Purpurea Leaves, Dill Seed, Doggrass, Dogwood Bark, Dragon's Blood, Dulse, Dwarf Elder Root.

Echinacea Root, Elder Berries, Elder Flowers Bright, Elecampane Root, Elemi Gum, Elm Bark, Emulsarin, Ephedra Herb, Ergot, Erigeron, Eucalyptus Leaves, Euphorbia Herb, Euphorbium Gum, Eyebright Herb.

Fennel Seed, Figwort Herb, Five Finger Grass, Flax Seed, Foenugreek Seed, Fringe, Tree Bark of Root, Fumatory Herb.

Galangal Root, Galbanum Gum, Galega Herb, Gambir Cubes, Pale Catechu, Gamboge Gum, Garden Celandine, Garlic Gelsemium Root, Gentian Root, Gentian Compound, Germander Herb, Ginger Root, Ginseng Root, Glycyrrhizin Ammoniated, Gold of Pleasure Seed, Gold Thread, Golden Rod Leaves and Tops, Golden Seal Herb, Golden Seal Root, Gravel Plant, Great Celandine Herb, Green Osier Bark, Grindelia Herb, Ground Ivy Herb, Guaiac Gum, Guaiac Wood Chips, Guarana.

Hawthorne Berries, Hawthorne Flowers and Leaves, Hellebore Root, Helonias Comp. for Fluid Extract, Helonias Root, Hemlock Bark Rossed, Hemp Seed Sterilized, Henbane Leaves, Henna Leaves, Hickory Bark, Horehound Herb, Horse Chestnut Bark, Horse Chestnuts, Horse Nettle Berries, Horse Nettle Root, Horse Radish Root, Horse Tail Rush, Huckleberries, Hydrangea Root, Hyssop Herb, Hyssop Leaves.

Iceland Moss, Ignatia Beans, Indian Physic Root, Ipecac Root, Irish Moss, Ironweed Root.

Jaborandi Leaves, Jalap Root, Jambul Bark, Jambul Seed, Java Tea Orthosiphonis, Jersey Tea Bark of Root, Jersey Tea Root, Job's Tears, Juniper Berries.

Kamala, Kaolin, Kava Kava Root, Kelp Dried, Kino Gum, Knot Grass, Kola Nuts, Kousso Flowers.

Lactucarium, Lady Slipper Root, Larkspur Seed, Laurel Berries, Laurel Leaves Cyprus, Lavender Flowers, Lemon Balm Herb, Lemon Peel, Lettuce Seed White, Licorice Compound, Licorice Extract, Licorice Root, Life Everlasting Herb, Life Root Plant, Lily of Valley Leaves, Lily of Valley Root, Linden Flowers and Leaves, Lippia Mexicana, Liverwort Leaves, Lobelia Herb, Lobelia Leaves, Lobelia Seed, Logwood Chips, Lovage Root, Lungwort Leaves, Lungwort Moss, Lupulin, Lycopodium.

Mace Madder Root, Magnolia Bark, Maiden Hair Fern, Male Fern, Male Fern Root, Mallow Herb Common, Malt Diastase, Malt Dry, Malt Syrup, Malva Flowers, Malva Leaves, Manaca Root, Mandrake Root, Manna, Mannite Cones, Marjoram, Marshmallow Root, Masterwort Root, Mastic Gum, Mate, Matico Leaves, Medicinal Tea "Blue Ridge," Melilot Flowers, Melilot Herb, Melissa Herb, Menthol, Mezereon Bark, Milkweed Root, Millet Seed, Mistletoe Herb, Motherwort Herb, Mountain Ash Berries, Mugwort Herb, Muira Puama Root, Mullein Flowers, Mullein Leaves, Musk Root Genuine, Mustard Seed, Myrrh Gum, Myrtle Herb, Myrtle Leaves.

Nettle Herb, Nicotine Sulphate, Nigella Seed, Nutgalls, Nutmeg, Nux Vomica.

Oak Moss, Oats, Onions Dehydrated, Opoponax Gum, Orange Flowers Buds, Orange Flowers Petals, Orange Peel, Origanum, Orris Root.

Pansy Flowers, Pansy Herb, Papain, Paprika, Paraguay Tea, Pareira Brava Root, Parsley Herb, Parsley Leaves, Parsley Root, Parsley Seed, Pichi Tops, Patchouli Leaves, Passion Flower Herb, Pectin Powder, Pellitory Herb, Pellitory Root, Irish Moss Extract, Pennyroyal Herb and Leaves, Peony Flowers and Root Peeled, Peppermint Leaves and Tops, Peppermint Leaves Foreign, Pilewort Herb, Pimpinella Root, Pine Needles, Pink Root Genuine, Pipsissewa Herb, Pipsissewa Herb Spotted, Pipsissewa Leaves, Pleurisy Root True, Poke Berries, Poke Root, Pomegranate Bark of Root, Pomegranate Bark of Tree, Poplar Bark Rossed, Poppy Flowers Red, Poppy Seed, Potato Starch, Prickly Ash Bark, Prickly Ash Berries, Psyllium Seed, Pulsatilla Herb, Pumpkin Seed.

Quassia, Quebracho Bark, Queen of the Meadow Root, Quince Seed, Rape Seed, Raspberries Black, Raspberry Leaves, Red Gum True, Red Oak Bark, Red Saunders, Rhatany Root, Rhubarb Root, Rhus Aromatic Bark, Rose Buds Pale Select, Rose Hips, Rose Petals Red, Rosemary Flowers, Rosemary Leaves, Rosin, Rosinweed Root, Rue Herb.

Sabadilla Seed, Saffron Sage, Saint John's Bread, Saint John's Wort Herb, Salep Root, Sandarac Gum, Santonin, Saponin, Sarsaparilla, Sarsaparilla Root, Sassafras Bark of Root, Sassafras Bark of Tree, Sassafras Wood Chips Cut, Savin Leaves, Saw Palmetto, Scammony Root, Scopola Root, Scouring Rush Herb, Scullcap Herb, Scurvy Grass, Senega Root, Senna Compound, Senna Leaves, Senna Pods, Senna Tinnevelly, Serpentaria Root, Sesame Seed, Shepherd's Purse Herb, Sideritis Herb, Simaruba Bark, Skunk Cabbage Root Natural, Sloe Berries, Snake Root Canada, Soap Bark, Soap Root European, Solomon Seal Root American, Sourwood Leaves, Spearmint Herb, Spearmint Leaves and Tops, Spicewood Bark, Spikenard Root, Spinach Dehydrated, Sponge Burnt, Spruce Gum, Squaw Vine, Squill White, Staves acre Seed, Stillingia Root, Stone Root, Stramonium Leaves, Stramonium Seed, Strawberry Leaves Wild, Strophanthus Seed, Styrax, Sumach Bark, Sumach Berries, Sumach Leaves, Summer Savory Leaves, Sundew Herb, Sunflower Seed, Sweet Balm, Sweet Basil.

Tag Alder Bark, Tamarack Bark Rossed, Tamarinds, Tansy Herb, Tansy Leaves, Tarragon, Teazle Seed, Thistle Seed Black, Thus Gum, Thyme Leaves, Toad Flax, Tonga Bark and Vine, Tonka Beans, Tormentilla Root, Turkey Corn, Turpeth Root.

Uva Ursi Leaves.

Valerian Root, Venice Turpentine, Veratrum Root, Verbena Herb, Vermouth Herbs Mix, Vervain Herb Blue, Vetiver Root, Violet Flowers, Violet Leaves.

Wahoo Bark of Root, Wahoo Bark of Tree, Wall Pellitory Herb, Water Cress, Water Eryngo Root, Water Fennel Seed True, Water Hemlock, Watermelon Seed, Water Pepper Herb, White Ash Bark, White Oak Bark, White Pine Bark, White Pine Compound, White Pond Lilly Root, White Willow Bark, Wild Cherry Bark, Wild Cherries, Wild Indigo Root, Wild Lettuce Leaves, Wild Plum Bark, Wild Thyme, Wild Turnip Root, Wild Yam Root, Winter's Bark, Wintergreen Herb, Wintergreen Leaves, Witch Hazel Bark, Witch Hazel Leaves, Wood Betony Herb, Woodruff Herb, Wormseed American, Wormseed Levant, Wormwood Leaves.

Yarrow Flowers, Yarrow Herb, Yellow Dock Root, Yellow Parilla Root, Yellow Root, Yerba Santa, Yohimbihi Bark.

Zedoary Root.

Drug Extracts

Aconite Leaves, Aconite Root, Adonis Vernalis, Aletrin Concentration, Aletris Root, Alfalfa, Aloes Purified Althea Root, Angelica Root, Apiol, Arbor Vitae, Arnica Flowers, Artichokes, Asparagus Root, Asparagus Seed, Apocynin Concentration, Avena Sativa, Avenin Concentration.

Balm Gilead Buds, Barberry Bark of Root, Belladonna Leaves, Belladonna Root, Benzoin Compound, Berberis Root, Beth Root, Birch Bark, Blackberry Bark of Root, Black Cohosh Root, Black Haw Bark of Root, Black Indian Hemp, Black Willow Bark, Bladderwrack, Blood Root, Blue Cohosh Root, Blue Flag Root, Boldo Leaves, Boneset Herb, Broom Corn Seed, Broom Tops, Bryonia Root, Bryonin Concentration, Buchu Leaves, Buckthorn Bark, Burdock Root, Butternut Bark.

Cactus Grandiflora, Cactin Concentration, Calabar Beans, Calendula Flowers, Cantharides, Capsicum Oleoresin, Cardamom Compound, Cascara Bark, Cascarin Concentration, Catnip Herb, Celery Seed, Caulophyllin Concentration, Chamomile Flowers, Chestnut Leaves, Chicory Root, Chionanthin Concentration, Chiretta Herb, Cimicifugin Concentration, Cinchona Bark Red, Cleavers Herb, Clover Tops Red, Cocillana Bark, Cocillana Compound, Coffee, Colchicum Root, Colchicum Seed, Colocynth Compound, Colocynth Pulp, Colombo Root, Coltsfoot Leaves, Condurango Bark, Conium Leaves, Corn Silk, Cotton Root Bark, Cramp Bark True, Cranesbill Root, Cubeb Berries, Cubeb Berries Oleoresin, Culvers Root, Currant Leaves.

Damiana, Dandelion Root, Deertongue Leaves, Digitalis Defatted, Digitalis Leaves, Dioscorein Concentration, Doggress, Dogwood Bark.

Echinacea Root, Elder Flowers, Elecampane Root, Ephedra Herb, Ergot, Ergot Defatted, Ergotin Concentration, Eucalyptus Leaves, Euonymin Concentration, Euphorbia Herb.

Foenugreek Seed, Fringe Tree Bark, Fumatory Herb.

Galega Herb, Gelsemium Root, Gentian Compound, Gentian Root, Ginger Oleoresin, Glycyrrhizin Concentration, Golden Seal Root, Gravel Plant, Great Celandine Herb, Grindelia Herb, Gualac Strained, Guarana.

Hawthorne Berries, Hellebore Root, Hammamelin Concentration, Helonias Root, Helonin Concentration, Henbane Leaves, Henbane Oil, Hickory Bark, Hops, Horehound Herb, Horse Chestnuts, Horse Chestnut Bark, Horse Nettle Berries, Horse Tail Rush, Hydrastin Concentration.

Ignatia Beans, Ipecac Root, Irisin Concentration, Ironweed Root.

Jaborandi Leaves, Jalap Root, Jalap Resin Powdered, Jambul Seed, Java Tea, Juglandin Concentration, Juniper Berries.

Kamala, Kava Kava Root, Kava Kava Root Oleoresin, Kola Nuts.

Lady Slipper Root, Lemon Peel, Leptandrin Concentration, Licorice Root, Life Everlasting, Life Root Plant, Lily of Valley Root, Lily of Valley Leaves, Linden Flowers and Leaves, Lobella Herb, Lovage Root.

Male Fern Root Oleoresin, Manaca Root, Mandrake Root, Mistletoe Herb, Muira Puama, Mullein Leaves, Musk Root, Myrrh Gum, Myrtillin Concentration.

Nettle Herb, Nux Vomica.

Orange Peel.

Paraguay Tea, Pareira Brava, Parsley Seed, Passion Flower Herb, Peony Root, Phytolaccin Concentration, Pichi Tops, Pink Root, Pipsissewa Herb, Pleurisy Root, Poke Berries, Poke Root, Prickly Ash Bark, Pulsatilla Herb, Pumpkin Seed.

Quassia, Quebracho Bark, Queen of Meadow Root.

Rhatany Root, Rhubarb Root, Rhus Aromatic Bark.

Sabadilla Seed, Saffron Spanish, Sage, St. John's Bread, St. John's Wort Herb, Sarsaparilla Compound, Sarsaparilla Root, Sassafras Bark, Savin Leaves, Saw Palmetto Berries, Scammony Lump Resin, Scouring Rush, Scullcap Herb, Scuttelarin Concentration, Senega Root, Senna Leaves, Senna Pods, Serpentaria Root, Shepherds Purse, Simaruba Bark, Snake Root Canada, Sourwood Leaves, Spikenard Root, Squaw Vine, Squill White, Squillin Concentration, Stillingia Root, Stone Root, Stramonium Leaves, Strophanthus Defatted, Sundew Herb.

Thyme Leaves, Thyme Compound, Tonga Bark, Trifolium Compound, Trillin Concentration.

Uva Ursi Leaves.

Valerian Root.

Wahoo Bark of Root, Water Cress, Water Pepper Herb, White Pine Bark, White Pine Compound, White Willow Bark, Wild Cherry Bark, Wild Indigo Root, Wild Lettuce Leaves, Wild Thyme, Wild Yam Root, Witch Hazel Bark, Witch Hazel Leaves, Wormseed American, Wormwood Herb.

Xanthoxylin Concentration.

Yellow Dock Root, Yerba Santa Herb, Yohimbihi Bark.

Alkaloids, Glycosides, and Related Plant Principles

Aconitine, Aconitine Nitrate, Aloin, Arbutin, Arecoline Hydrobromide, Asparagin, Atropine, Atropine Sulfate, Atropine Methyl Bromide, Atropine Methyl Nitrate.

Berberine Hydrochloride, Berberine Sulfate, Berberine Acid Sulfate, Boldine.

Cantharidin, Chellol Glycoside, Chrysarobin, Cinchonidine Sulfate, Cinchonine, Cinchonine Sulfate, Colchicine, Colchicine Salicylate.

Digitalin, Digitonin, Digitoxin.

Elaterium, Emetine Bismuth Iodide, Emetine Hydrochloride, Ephedrine, Ephedrine Hydrochloride, Ephedrine Sulfate, Esculin, Eserine Salicylate, Eserine Sulfate.

Gitonin.

Helenin, Homatropine, Hydrobromide, Homatropine Hydrochloride, Homatropine Methyl Bromide, Homatropine Sulfate, Hordenine, Hordenine Sulfate, Hydrastine, Hydrastine Hydrochloride, Hydrastine Sulfate, Hydrastinine, Hydrastinine Hydorchloride, Hyoscine, Hyoscine Hydrobromide, Hyoscine Hydrochloride, Hyoscyamine, Hyoscyamine Hydrobromide, Hyoscyamine Hydrochloride, Hyoscyamine Sulfate, Homoeriodictyol, Khellin.

Lobeline, Lobeline Alpha Hydrochloride, Lobeline Hydrochloride, Lobeline Sulfate.

Mescaline Sulfate, Quercetin, Quercitrin.

Nicotine, Rhamnetin.

Ouabain, Phloridzin, Picropodophyllin.

Physostigmine, Picrotoxin, Pilocarpine, Pilocarpine Hydrobromide, Pilocarpine Nitrate, Pilocarpine Salicylate, Pilocarpine Sulfate, Podophyllin, Podophyllotoxin.

Quassin, Quinine Hydrochloride and Sulfate.

Salicin, Sanguinarine, Sanguinarine Nitrate, Sanguinarine Sulfate, Santonin, Saponin, Scopolamine Hydrobromide, Sparteine Camphosulphonate, Sparteine Sulfate, Strophanthin (K).

d-Tubocurarine Chloride, Totaquine, Totaquine Soluble.

Veratrine Alkaloid, Veratrine Hydrochloride, Veratrine Sulfate.

Yohimbine Hydrochloride, Xanthorhamnin.

Insecticides

Pyrethrins Preparations, Pyrethrum Oleoresin, Pyrethrum and DDT Preparations, Pyrethrum Extracts, Powdered Pyrethrum Flowers, Pyrethrum-Rotenone Preparations, DDT Preparations, Powdered Cube Root, Soft Extract of Cube, Liquid Extract of Cube, Rotenone and Preparations, Sabadilla Seed, Sabadilla Insecticide Powdered, Sabadilla and Sulphur Preparations, Red Squill and Preparations, Benzene Hexachloride, Powdered Derris Root.

Estrogenics, Vitamins

Natural Estrogenic Hormone Substance Derived From Mares' Pregnancy Urine: Diethylstilbestrol, Diethylstilbestrol Dipropionate, Dimethyl Ether of Diethylstilbestrol, Hexestrol (Dihydro-Diethylstilboestrol).

Acid Ascorbic (Vitamin C), Acid Nicotinic, Acid Nicotinic Amide, Alpha Tocopherol Acetate, Alpha Tocopherol (Vitamin E), Biotin, Calciferol Vitamin D, Carotene (Provitamin A), Ergosterol, Fish Liver Oils, Menadione, Menadionum: 2-Methyl-Naphthoquinone, 2-Methyl-1,4-Naphthoquinone, Menaphthone, Menadione Sodium Bisulfite, Nicotinamide, Nikethamide, Pyridoxine Hydrochloride (Vitamin B_6), Riboflavine-(Vitamin B_2), Rutin (Vitamin P Analogue), Thiamine Hydrochloride (Vitamin B_1), Vitamin A Concentrates, Vitamin D_2 Resin, Vitamin D_2 Concentrate in Oil, Vitamin D_3, Vitamin P-(Rutin).

Medicinal-Industrial Chemicals

Acids: Arsenious Technical, Benzoic, Boric Powder, Gallic, Hydrobromic, Molybdic, Oleic, Pyrogallic, Tannic, Stearic, Albumen Egg Powdered, Albumen Egg Scales, Alum Ammonium, Alum Potash, Alum Ammonium Powder, Ammonium Salts, Benzocain, Betanaphthol Benzoate (Benzonaphthol), Bromine, Bromoform, Bromural, Calamine Prepared, Calcium Salts and Compounds, Camphor Monobromated, Carbromal, Carmine, Cresol, Copper Sulphate, Dextrine, Dextrose, Gelatin, Glyceryl Monostearate, Hydroquinone, Ichthammol, Iron and Iron Compounds, Kaolin, Lactose, Lanolin, Lead Salts and Compounds, Lithium Salts, Manganese Carbonate, Magnesium Salts and Compounds, Mannite, Menthol, Mercury, Metol, Milk Sugar, Nikethamide, Oxyquinoline, Oxyquinoline Sulphate, Phenothiazine, Potassium Salts, Procaine Hydrochloride, Pyridine, Resorcin, Silver Protein, Sodium Salts and Compounds, Strontium Salts, Sulphur, Talcum, Tartar Emetic, Terpin Hydrate, Thiocarbamide, Titanium Dioxide, Urethane, Zinc Oxide, Alndrine Sulfate.

Chemicals

Calamine Prepared.

Animal Drugs

Cantharides, Castoreum, Cochineal, Isinglass.

Incense

Olibanum Gum, Sandalwood, Sandalwood Chips, Paprikol Oleoresin.

Fluid Extracts

Arnica, Asafoetida, Belladonna Leaves, Belladonna Root, Benzoin Compound, Berberis, Blackberry, Black Haw Bark of Root, Boldo, Buchu, Burdock, Calendula, Capsicum, Cardamon Compound, Cascara, Cascara Aromatic, Celery Seed, Cinchona, Colocynth, Colombo, Condurango, Corn Silk, Cramp Bark, Damiana, Dandelion, Doggrass, Dogwood, Ergot, Euphorbia, Fringe Tree, Gelsemium, Gentian, Ginger, Golden Seal, Grindelia, Henbane, Horehound, Horsechestnut, Horseradish Iodized, Hydrangea, Ipecacuanha, Jaborandi, Kola, Licorice, Lobelia, Mandrake, Nux Vomica, Orange Peel, Passion Flower, Prickly Ash Bark, Pulsatilla, Quassia, Rhubarb, Sarsaparilla Compound, Sassafras, Saw Palmetto, Senega, Senna, Squill, Stillingia, Tar, Thyme, Tolu for Syrup, Trifolium Comp., Uva Ursi, Valerian, Veratrum Viride, White Pine Compound, White Pine Bark, Wild Cherry, Witch Hazel Leaves, Yerba Santa.

Claims use since 1914.

Ser. No. 589,236. Ancienne Maison Louis Sanders, Societe Anonyme, Brussels, Belgium. Filed Dec. 13, 1949.

PROVENDEINE

For Vitamin and Mineral Concentrates and Compositions in Powdered, Granulated, and Solid Forms To Be Mixed With Stock Foods for Increasing Their Nutritive Quality.

Claims use since Nov. 1, 1927; and use in commerce between foreign nations and the United States since Nov. 1, 1927.

Ser. No. 594,212. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 18, 1950.

WARDIA

Applicant claims ownership of Registration No. 362,741.

For Natural and Synthetic Essential Oils, Aromatic Chemicals From Natural or Other Sources, Used as a Flavoring Material or an Ingredient in Medicines and Pharmaceutical Preparations.

Claims use since May 3, 1934.

Ser. No. 595,128. First Texas Chemical Manufacturing Co., Dallas, Tex. Filed Apr. 3, 1950.

BARBIFLORA

For Hypnotic and Sedative.

Claims use since Mar. 19, 1927.

Ser. No. 603,548. Schering Corporation, Bloomfield, N. J. Filed Sept. 14, 1950.

ASCORTATE

Applicant claims ownership of Registration No. 370,626.

For Corticoid and Vitamin Preparation.

Claims use since May 5, 1950.

Ser. No. 604,071. Colin Pharmacal Co., Inc., Long Island City, N. Y. Filed Sept. 27, 1950.

CALFERVITE

For Mineral and Vitamin Supplement Preparation in Tablet Form.

Claims use since Aug. 10, 1950.

Ser. No. 604,072. Colin Pharmacal Co., Inc., Long Island City, N. Y. Filed Sept. 27, 1950.

THERAPLUS

For Therapeutic Vitamin Preparation in Tablet Form.

Claims use since Aug. 10, 1950.

Ser. No. 614,063. Maurice M. Roberts, doing business as Romer Associates, Detroit, Mich. Filed May 18, 1951.

SNAFFLES

For Bulk Producing Tablet To Be Taken Orally for Diet Reducing Purposes and Also for a Multiple Vitamin Capsule To Be Taken Orally.

Claims use since Feb. 12, 1951.

Ser. No. 614,294. Florida Chemical Industries, Inc., Ocala, Fla. Filed May 24, 1951.

FLOR-CHEM

For Liquid Medical Dressing for Animals—Namely, a Specific for Treatment of Screwworm Infestation in Livestock.

Claims use since February 1951.

Ser. No. 614,419. Ames Company, Inc., Elkhart, Ind. Filed May 28, 1951.

ICTOTEST

For Diagnostic Tablet for the Determination of Bilirubin in Urine.

Claims use since Apr. 24, 1951.

Ser. No. 614,582. The Smith-Dorsey Company, Lincoln, Nebr. Filed May 31, 1951.

NEOMALENE

For Antihistaminic Preparations.

Claims use since Jan. 15, 1951.

Ser. No. 614,610. The Beverly Corporation, Chicago, Ill. Filed June 1, 1951.

MIRGINS

For Vitamin Containing Preparation Useful as a Dietary Supplement, and Sold in Tablet Form.

Claims use since Apr. 16, 1951.

CLASS 19

VEHICLES

Ser. No. 579,306. Cahill Manufacturing Co., Chicago, Ill. Filed May 23, 1949.

Cyco

For Lined Brake Shoes (Riveted), and Bonded Brake Shoes.

Claims use since Jan. 20, 1949.

Ser. No. 596,002. Northrop Aircraft, Inc., Hawthorne, Calif. Filed Apr. 10, 1950. (Sec. 2f—Additional evidence.)

FLYING WING

Applicant claims ownership of Registration No. 430,434.

For Airplanes.

Claims use since July 1, 1928.

Ser. No. 601,974. Bertley Company, Incorporated, New York, N. Y. Filed Aug. 9, 1950.



The word "Covers" and the outline representation of the map of the United States are disclaimed. The drawing is lined for the purpose of indicating shading only.

For Seat Covers and Seat Cushions for Automobiles.

Claims use since Dec. 1, 1945.

Ser. No. 616,533. Visilite Corp., Saginaw, Mich. Filed July 14, 1951.

PAL

For Visors for Motor Vehicles.

Claims use since August 1950.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 494,448. Hold-the-Phone! Inc., Detroit, Mich., assignor to Bainbridge, Kimpton and Haupt, Inc., New York, N. Y. Original filed, act of 1905, Jan. 8, 1946; amended to application under act of 1946, Principal Register, Oct. 1, 1947. (Sec. 2f.)

HOLD THE PHONE!

For Telephone-Holder Attachable to the Arm of a Cradle-Type Telephone Transmitter-Receiver.

Claims use since December 1941.

Ser. No. 514,655. Holdenline Co., Cleveland, Ohio. Original filed, act of 1905, Dec. 21, 1946; amended to application under act of 1946, Principal Register, July 5, 1947. (Sec. 2f—Additional evidence.)

CHAN'L-RUN

For Fluorescent Lighting Fixtures, Ballast, Starters, Shields, Reflectors, and Control Switches Therefor, in Fluorescent Industrial Lighting Systems.

Claims use since Feb. 24, 1944.

Ser. No. 571,809. Perry Kilsby Inc., Los Angeles, Calif., assignor to Cory Corporation, Chicago, Ill., a corporation of Delaware. Filed Jan. 7, 1949.

MATIC-MAID

For Electric Dishwashers.

Claims use since Dec. 9, 1948.

Ser. No. 580,701. Video Corporation of America, Wilmington, Del., and New York, N. Y. Filed June 17, 1949.

PLAKRON COMPENSATOR

The word "Compensator" is disclaimed.

For Electronic Devices—Namely, a Compensator Circuit Apparatus for Television Receiving Sets.

Claims use since Mar. 16, 1949.

Ser. No. 601,171. Scruggs-Vandervoort-Barney, Inc., St. Louis, Mo. Filed July 24, 1950.

Van SVB Aire
St. Louis, Missouri

The words "St. Louis, Missouri" and "Aire" together with the outline representation of the name plate are disclaimed.
For Electric Fans.
Claims use since June 12, 1950.

Ser. No. 604,349. G. H. Bishop Company, Chicago, Ill. Filed Oct. 3, 1950. (Sec. 2f.)

BISHOP

For Electric Control Boxes for Controlling the Current Flow to Shirt Folding Tables and to the Irons of Ironing Boards and Containing a Switch, a Fuse and/or a Pilot Light, Etc., and Into Which the Electric Cord Is Plugged.
Claims use since 1923.

Ser. No. 612,355. The Richardson Company, Lockland, Cincinnati, Ohio. Filed Apr. 6, 1951.

CO-POR

For Separators for Electric Storage Batteries.
Claims use since Feb. 20, 1951.

Ser. No. 612,689. Maynard P. Hanson, doing business as M. Parnell Hanson Company, Minneapolis, Minn. Filed Apr. 16, 1951.

HURRICUTTER

For Electrically Operated Vegetable Slicing Machines.
Claims use since December 1950.

Ser. No. 616,562. Macbeth Corporation, Newburgh, N. Y. Filed July 16, 1951.

EXAMOLITE

For Electric Lighting Fixtures.
Claims use since May 22, 1947.

Ser. No. 616,731. The Standard Electric Time Company, Springfield, Mass. Filed July 20, 1951.

FLUISTOR

For Electric Resistor Tubes.
Claims use since Mar. 28, 1951.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 596,669. Kennedy Brothers Arms Co., Inc., St. Paul, Minn. Filed May 1, 1950.

KENBRO

For Baseballs, Baseball Bats, and Baseball Gloves.
Claims use since July 1, 1949.

Ser. No. 601,865. Aqua Glide Company, La Canada, Calif., assignor to Marlowe A. Pichel, La Canada, Calif. Filed June 6, 1950.

Aqua-Glide

For Paddle Boards and Kick Boards, the Latter Also Being Known Under the Name of "Flutter Boards."
Claims use since Nov. 15, 1949.

Ser. No. 606,497. A. G. Spalding & Bros. Inc., Chicopee, Mass. Filed Nov. 16, 1950.

LAMI-MATED

For Skis.
Claims use since Sept. 22, 1949.

Ser. No. 606,684. Softskin Toys, Inc., New York, N. Y. Filed Nov. 20, 1950.



For Stuffed Toys in Simulation of Various Types of Animal Figures.
Claims use since Feb. 7, 1950.

Ser. No. 613,308. M. Shimmel Sons, New York, N. Y. Filed Apr. 28, 1951.

STAR

For Toy Return Tops.
Claims use since Jan. 9, 1951.

Ser. No. 613,608. Thomas B. Semans, Jr., Philadelphia, Pa. Filed May 7, 1951.

MERCURY

For Golf Balls.
Claims use since Apr. 19, 1951.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 552,985. Kent-Moore Organization Inc., Detroit, Mich. Filed Mar. 25, 1948. (Sec. 2f.)

KENT MOORE

Applicant claims ownership of Registration No. 263,496.
For Hand, Clamping, Cutting, Tightening, Bending, Driving, Pulling, and Work Piece Supporting Tools for Use in the Service and Repair of Automobile Engines, Clutches, Transmissions, Rear Axles, Front Suspensions, Springs, Shock Absorbers, Brakes, and Bodies; and Work Benches and Parts Thereof.
Claims use since October 1922.

Ser. No. 592,178. Wolverine Paper Converting Machinery Corporation, Detroit, Mich. Filed Feb. 8, 1950.

WOLVERINE
-HYDRO-PRINTER-

The words "Hydro" and "Printer" are disclaimed.
For Printing Machinery.
Claims use since Nov. 4, 1947.

Ser. No. 601,263. Heller Brothers Company, Newark, N. J. Filed July 26, 1950.

MASTERENCH

Applicant claims ownership of Registration No. 190,245.
For Wrenches.
Claims use since Mar. 1, 1924.

Ser. No. 605,553. Georg Jensen Inc., New York, N. Y. Filed Oct. 28, 1950.

GJ

For Tableware Made of Stainless Steel—Namely, Knives, Forks, and Spoons.
Claims use since July 20, 1950.

Ser. No. 610,284. Åke Malmberg, Stockholm, Sweden. Filed Feb. 19, 1951.

Rally

Applicant claims ownership of Swedish Registration No. 68,608, dated Aug. 18, 1950.
For Razors and Razor Blades.

Ser. No. 611,082. Farm Tools, Inc., Mansfield, Ohio. Filed Mar. 9, 1951.

RED HED

The drawing is lined for red. Applicant claims ownership of Registration No. 432,337.
For Hammer Mills, for the Crushing of Corn and Other Grains, Corn Shellers, for Removing Kernels From the Ears, and Portable Conveyors for Handling Loose Grain, Ears of Corn, Bales of Hay, and the Like.
Claims use since May 15, 1945.

Ser. No. 613,097. Vital Products Manufacturing Company, Cleveland, Ohio. Filed Apr. 24, 1951.

VITAL

For Hand Operated Gun for Dispensing Plastic Material, Such as, Calking Compound.
Claims use since Oct. 1, 1911.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 534,252. Eugene Dietzgen Co., Chicago, Ill. Filed Sept. 12, 1947. (Sec. 2f.)

DRAFTSQUARE

For Drawing Templates.
Claims use since Jan. 1, 1927.

Ser. No. 592,342. Sintering Machinery Corporation, Netcong, N. J. Filed Feb. 11, 1950.

TRANSPORTOWEIGHER

For Apparatus for Continuously Receiving, Weighing, and Discharging Granular Materials and the Like and for Recording and Totalizing the Weight Thereof.
Claims use since Jan. 19, 1950.

Ser. No. 597,417. Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Filed May 13, 1950.

NIFE

Applicant claims ownership of Swedish Registration No. 55,233, dated Nov. 22, 1941.
For Autocollimeters, Interferometers, Microscopes, Telescopes, Binoculars, Profile Projectors, Optical Surface Meters (Optical Flats), and Lenses and Prisms for Different Optical Instruments.

Ser. No. 607,542. George J. Farnham, doing business as Farnham's Flower Transparencies, Seattle, Wash. Filed Dec. 11, 1950.

Farnham

That part of the mark which is the surname of the applicant is a facsimile of the applicant's signature.
For Transparencies for Use in Single or Three Dimension Projectors or Viewers.
Claims use since Nov. 1, 1950.

Ser. No. 608,571. Sargent & Company, New Haven, Conn. Filed Jan. 9, 1951.

HERCULES

For Carpenter's Squares.
Claims use since July 1, 1915.

Ser. No. 612,828. Milton Roy Company, Philadelphia, Pa. Filed Apr. 18, 1951.

"miniPump"

The word "Pump" is disclaimed.
For Small Capacity Controlled Volume Measuring Pump for Feeding Chemicals and the Like To Reaction Mixtures and To Processing Equipment.
Claims use since Feb. 20, 1951.

Ser. No. 613,978 Ercona Camera Corporation, New York, N. Y. Filed May 17, 1951.

Belfoca

For Cameras.
Claims use since July 1950.

Ser. No. 614,077. American Zyloptic Co., Inc., New York, N. Y. Filed May 19, 1951.

VANGUARD

For Eye-Glass Frames and the Containers or Receptacles for Such Eye-Glass Frames.
Claims use since Apr. 1, 1950.

Ser. No. 615,339. Morris Instrument Corporation, New York, N. Y. Filed June 18, 1951.

HAEMOSCOPE

For Blood Testing Apparatus for Determining Haemoglobin Content, the Number of Red and White Cells, and the Mean Diameter of Red Cells.
Claims use since Dec. 1, 1950.

Ser. No. 615,914. Telecomputing Corporation, Burbank, Calif. Filed June 29, 1951.

TELECORDEX

For Mechanical and Electrical Machine Into Which Data Is Fed and Which Digests Said Data and Renders an Answer in English and in Numerals on a Typewriter Which the Machine Operates.
Claims use since June 1, 1951.

Ser. No. 617,024. Formulator, Inc., Blue Island, Ill. Filed July 27, 1951.

Racin-former

The word "Racin" is disclaimed.
For Calculators for Analyzing Horse Racing Results.
Claims use since June 25, 1951.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 593,485. Granat Bros., San Francisco, Calif. Filed Mar. 6, 1950.

Flair

Applicant claims ownership of Registration No. 546,268.
For Watches.
Claims use since Feb. 21, 1950.

Ser. No. 612,529. Benrus Watch Company, Inc., New York, N. Y. Filed Apr. 12, 1951.

ELEGANCE BY Benrus

The words "Elegance by" are disclaimed. Applicant claims ownership of Registrations Nos. 166,589 and 422,103.
For Watches With Attached Bracelets Sold as a Unit.
Claims use since Mar. 8, 1951.

Ser. No. 613,893. Alpina Union Horlogère A. G., Biel, Switzerland. Filed May 16, 1951.

TERVAL

Applicant claims ownership of Swiss Registration No. 119,644, dated Mar. 21, 1947.
For Watches and Parts Thereof.
Claims use since Mar. 21, 1947 in Switzerland, and first used in commerce between Switzerland and the United States on Feb. 2, 1949.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 593,440. A. H. Pond Co., Inc., Syracuse, N. Y. Filed Mar. 4, 1950.

Encore

For Jewelry and Costume Jewelry Not Including Watches—Namely, Bracelets, Earrings, Necklaces, Chains, Finger Rings, Brooches and Ornamental Lapel, Spray and Scatter Pins
Claims use since Sept. 15, 1949.

Ser. No. 613,153. Amston Silver Co., Inc., Meriden, Conn. Filed Apr. 26, 1951.

ECSTASY

For Silver Flatware.
Claims use since Mar. 26, 1951.

Ser. No. 613,661. Air Force Association, Washington, D. C. Filed May 9, 1951.



For Jewelry for Personal Wear, Not Including Watches—Namely, Pins, Lapel Buttons, Medallions, Bracelets, Charms, Monograms, Finger Rings; and the Following Items Made in Whole or in Part or Plated With Precious Metal: Medals, Badges, Buckles, Cuff-Links, Tie-Clips, Money-Clips, Watch Bracelets.
Claims use since July 31, 1946.

Ser. No. 613,776. Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Filed May 11, 1951.

FLIRTATION

For Wrist Watch Bands.
Claims use since Mar. 5, 1951.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 597,021. Stanley Home Products, Inc., Westfield, Mass. Filed May 6, 1950.

LIFETIME

For Clothes Brushes.
Claims use since September 1948.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 545,780. Shelley Potteries Limited, Longton, Stoke-on-Trent, England. Filed Dec. 30, 1947. (Sec. 2f.)

Shelley

Applicant claims ownership of British Registration No. 451,771, dated Sept. 11, 1924.
For China Tableware.
Claims use since June 1, 1909; and since June 1, 1909, in commerce between Great Britain and the United States.

Ser. No. 595,154. Pixie Potters, Los Angeles, Calif. Filed Apr. 3, 1950.

Surf Line

The word "Line" is disclaimed.
For Articles Made of Ceramic Clay—To Wit, Vases, Including Bud Vases; Bowls, Including Flower Bowls; Relish Dishes, Nut Dishes; Boxes for Candy.
Claims use since Jan. 6, 1950.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 599,749. B. T. Crump Company, Inc., Richmond, Va. Filed June 26, 1950.

Lite-Weight TELESEAT

The expression "Lite-Weight" is disclaimed.
For Hassocks.
Claims use since June 6, 1950.

Ser. No. 615,487. Domore Chair Company, Inc., Elkhart, Ind. Filed June 21, 1951.

DOMORE

Applicant claims ownership of Registrations Nos. 179,678 and 264,882.
For Office, Household, and Factory Chairs.
Claims use since May 31, 1951.

Ser. No. 615,768. Ficks Reed Co., Cincinnati, Ohio. Filed June 27, 1951.

String Symphony

For Chairs, Tables, and Settees.
Claims use since June 14, 1951.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 556,238. Anthracite Institute, Wilkes-Barre, Pa. Filed May 5, 1948. CERTIFICATION MARK.



The word "Approved" is disclaimed. The drawing is lined for the color red. Applicant claims ownership of Registration No. 368,839.
For Equipment for Use With Anthracite Coal—Namely, Boilers, Mechanical Stokers, Furnaces, Humidifiers, Space-Heaters, Furnace-Blowers, Service Water-Heaters, Brooder Stoves, Fire Places, Mechanical Chimney Draft Regulators, Clock-Actuated Mechanical Furnace Draft Regulators, Kitchen Ranges, and Combinations of Two or More of the Foregoing Units.
Claims use since Jan. 1, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 615,198. The Victaulic Company Limited, London, England. Filed June 14, 1951.

VIKING

Applicant claims ownership of British Registration No. 689,776, dated June 13, 1950.

For Packing Rings for Use in Connection With Pipe Joints and Fittings; and Packing Glands for Valves.

Claims use since June 27, 1950, in the United States; and since June 27, 1950, in commerce between the United States and the United Kingdom of Great Britain and Northern Ireland which may lawfully be regulated by Congress.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 606,263. Buegeleisen & Jacobson, Inc., New York, N. Y. Filed Nov. 13, 1950. (Sec. 2f with respect to the word "Salanti.")

SALANTI

The representation of the girl's head is fanciful. Applicant claims ownership of Registrations Nos. 284,430 and 228,720.

For Accordions.

Claims use since 1948 as shown; and since 1910 as to "Nicolo Salanti."

CLASS 37

PAPER AND STATIONERY

Ser. No. 535,737. Old Town Ribbon & Carbon Co., Inc., Brooklyn, N. Y. Filed Sept. 25, 1947.

OLD TOWN

Applicant claims ownership of Registrations Nos. 123,479, 316,788, and 245,327.

For Copy Paper for Use in Duplicating Machines.

Claims use since June 1, 1919.

Ser. No. 545,840. Gaw-O'Hara Envelope Co., Chicago, Ill. Filed Dec. 31, 1947.

PDQ

Applicant claims ownership of Registrations Nos. 102,709 and 246,866.

For Mailing, Correspondence, and Filing Envelopes, Letterheads, Billheads, Blank Books, Blotters, Mailing and Filing Folders, and Portfolios of Paper or Paper Board.

Claims use since Jan. 1, 1914.

Ser. No. 545,924. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed Dec. 31, 1947. (Sec. 2f.)

HYTONE

For Paper Tablets; Loose Writing Paper for School or Office Use Put Up in Wrapped Packages, Boxes, or Banded; Papeteries, i. e., Stationery Comprising Mailing and Correspondence Envelopes and/or Paper Either Flat or Folded Put Up in Boxes, Portfolios or Banded Packages; Envelopes; Paper Packets or Folders for Loose Paper; Index Cards or Guides; and Scrap Books, Photograph or Autograph Albums and Refills Therefor.

Claims use since Jan. 1, 1907.

Ser. No. 562,196. Kalamazoo Vegetable Parchment Co., Parchment, Mich. Filed July 26, 1948.

No. 101

For Wrapping Paper.

Claims use since Jan. 1, 1939.

Ser. No. 570,521. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 14, 1948.

TOWER

Applicant claims ownership of Registration No. 438,122.

For Group A—Desk Pads and Blotters, Photograph Folders, Writing Paper, Bond Paper, Correspondence Envelopes, Writing Tablets, Note Books, Photograph Albums, Scrap Books, Diaries, Address Books, Memo Books, Indexing Cards, File Cards, Drawing Boards, Rubber Erasers, Erasure Shields, Pencil Boxes, Lead Pencils, Fountain Pens; Group B—Blotter Books; and Group C—Decorated Note Paper.

Claims use since July 15, 1946.

Ser. No. 572,256. Paul Neil Lewis, Brooklyn, N. Y., assignor to Leon Cohn, New York, N. Y. Filed Jan. 15, 1949.

Lip-Service

For Facial Tissues in a Particular Container.

Claims use since June 15, 1948.

Ser. No. 598,590. Lincoln Paper Company, Chicago, Ill. Filed June 5, 1950.

Q-MARK

For Paper and Cards for Use in Duplicating Machines and Processes.

Claims use since Mar. 20, 1950.

Ser. No. 610,951. Binney & Smith Company, New York, N. Y. Filed Mar. 7, 1951.



The representation of the boy is fanciful. The representation of the goods is disclaimed. Applicant claims ownership of Registrations Nos. 121,394, 248,611, and others.

For Crayons.

Claims use since Nov. 20, 1950.

Ser. No. 610,952. Binney & Smith Company, New York, N. Y. Filed Mar. 7, 1951.



The representation of the boy is fanciful. The representation of the goods is disclaimed. Applicant claims ownership of Registration No. 89,531.

For Crayons.

Claims use since Nov. 20, 1950.

Ser. No. 615,069. Isgo Wall Paper Corporation, Chicago, Ill. Filed June 12, 1951.

Maple Leaf

For Wall Paper.

Claims use since May 16, 1951.

Ser. No. 615,152. Brown Company, Berlin, N. H. Filed June 14, 1951.

FIBRO-CEL

Applicant claims ownership of Registrations Nos. 90,957, 110,721, and others.

For Kraft Papers.

Claims use since Aug. 15, 1949.

Ser. No. 615,630. Crown Zellerbach Corporation, also doing business as Western Waxed Paper Company, San Francisco, Calif. Filed June 25, 1951.

FLYTONE

For Resin Impregnated Paper.

Claims use since Oct. 10, 1950.

Ser. No. 615,783. L. Lacroix Fils (London) Limited, Wembley, England. Filed June 27, 1951.

GLEAM

Applicant claims ownership of British Registration No. 689,740, dated June 12, 1950.

For Tissue Paper for Cleaning Optical Glasses.

Ser. No. 615,956. The Visking Corporation, Richmond, Va., and Chicago, Ill. Filed June 30, 1951.

VISKING

Applicant claims ownership of Registrations Nos. 278,352, 278,356, 310,467, 388,423, and 425,530.

For Plastic Film and Sheets for Use as Wrapping and Packaging Material.

Claims use since Feb. 22, 1949.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 544,597. Office Appliance Company, Chicago, Ill. Filed Dec. 17, 1947. (Sec. 2f.)

THE NATIONAL Stationer

For Periodical Published Monthly.

Claims use since 1909.

Ser. No. 568,103. Fishing Gazette Publishing Corp., New York, N. Y. Filed Nov. 3, 1948. (Sec. 2f.)

Fishing Gazette

ANNUAL REVIEW NUMBER

The words "Annual Review Number" are disclaimed. Applicant claims ownership of Registrations Nos. 361,782 and 423,901.

For Periodical Published Annually.

Claims use since 1930.

Ser. No. 569,739. Book Agents of the Methodist Episcopal Church, South, Nashville, Tenn. Filed Dec. 2, 1948. (Sec. 2f.)

ABINGDON-COKESBURY PRESS

Applicant claims ownership of Registrations Nos. 251,994, 385,318, 392,998, and 394,407.

For Books, Pamphlets, and Magazines.

Claims use since Sept. 1, 1940.

Ser. No. 593,690. Small Town & Farm Markets Institute, Incorporated, New Canaan, Conn. Filed Mar. 9, 1950.

SHOPINDEX

For Published Analyses Relating To Newspaper Advertising in the Form of Charts and Statistical Reports.
Claims use since July 1949.

Ser. No. 600,477. Edward R. French, doing business as The Top Tunes Company, Ocean City, N. J. Filed July 11, 1950.

Top Tune Time

The words "Top Tune" are disclaimed.
For Sheet Music.
Claims use since Oct. 2, 1948.

Ser. No. 602,507. Greetings Unlimited and Co., St. Paul, Minn. Filed Aug. 21, 1950.

Greetings UNLIMITED

The word "Greeting" is disclaimed.
For Greeting Cards.
Claims use since June 8, 1943.

Ser. No. 603,973. N. V. Nederlandsche Wolspinnerij, Leiden, Netherlands. Filed Sept. 14, 1950.

Nevada

Applicant claims ownership of Dutch Registration No. 67,096, dated Sept. 19, 1934.
For Periodicals and Instruction Booklets Relating to Fancy Work and Needle Work, Knitting, Crocheting and Weaving Patterns.

Ser. No. 604,552. Scott, Foresman and Company, Chicago, Ill. Filed Oct. 6, 1950. (Sec. 2f.)

THINK-AND-DO BOOK

The word "Book" is disclaimed.
For Series of Children's Educational Books and Pamphlets.
Claims use since July 25, 1940.

Ser. No. 605,841. V. Wesley Carmack, Arlington, Va. Filed Nov. 3, 1950.

FAMOUS FIRSTS IN HISTORY

Applicant claims ownership of Registration No. 404,729.
For Series of Cartoons.
Claims use since July 14, 1950.

Ser. No. 612,971. Nu-Art Engraving Co., Chicago, Ill. Filed Apr. 21, 1951.

CONTEMPORA

For Greeting Cards.
Claims use since Feb. 15, 1951.

Ser. No. 613,291. Harry M. Cook, doing business as Harry Cook Syndicate, New York, N. Y. Filed Apr. 28, 1951.

JOSEPHINE

For Comic Feature Published in Daily Newspapers.
Claims use since Nov. 8, 1948.

Ser. No. 614,409. Pantone Press, Inc., New York, N. Y. Filed May 26, 1951.

DECOR-AIDER

For Compilation of Colored Sheets or Tabs To Be Used in Selecting Room Furnishings and Decorations.
Claims use since May 23, 1951.

Ser. No. 616,173. International Schools Company of Latin America, Scranton, Pa. Filed July 6, 1951. (Sec. 2f.)

Escuelas Internacionales

For Printed Lesson Sheets, Printed Books, Printed Manuals, and Printed Pamphlets.
Claims use since 1941.

Ser. No. 616,338. The Register and Tribune Company, Des Moines, Iowa. Filed July 11, 1951. (Sec. 2f.)

Iowa Farm and Home Register

The drawing is lined for red. Applicant claims ownership of Registration No. 537,478.
For Section in a Newspaper.
Claims use since Mar. 3, 1946.

Ser. No. 616,342. Stop Publications, Inc., New York, N. Y. Filed July 11, 1951.

STOP

For Magazine Published Periodically Pertaining to Current Social, Theatrical, and News Happenings or Events.
Claims use since October 1948.

CLASS 39

CLOTHING

Ser. No. 569,345. Berkshire Knitting Mills, Reading and Wyomissing, Pa. Filed Nov. 24, 1948.

Shu-Line

For Full Fashioned Hosiery.
Claims use since Jan. 24, 1928.

Ser. No. 601,068. The Nolde and Horst Company, Reading, Pa. Filed July 21, 1950. (Sec. 2f as to the word "Nolde.")

NOLDE LOAFERS

Applicant claims ownership of Registrations Nos. 304,874 and 399,257.
For Women's Hosiery.
Claims use since March 1947 as shown; and since March 1933 as to the word "Nolde."

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 615,104. American Hard Rubber Company, Hempstead and New York, N. Y. Filed June 13, 1951.

CLIMAX

For Hard Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair.
Claims use since Jan. 12, 1949.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 609,547. J. W. Glenn & Sons, New York, N. Y. Filed Feb. 2, 1951. (Sec. 2f.)

Glenn-Wood Fabrics

The word "Fabrics" is disclaimed. Applicant claims ownership of Registration No. 429,201.
For Piece Goods of Cotton, Rayon, and Mixtures of Cotton and Rayon.
Claims use since Oct. 8, 1944.

Ser. No. 609,907. Beacon Mills, New York, N. Y. Filed Feb. 10, 1951.

"Lady Lastic"

For Rayon, Cotton, Elasticized Knitted, and Rubber Fabrics.
Claims use since Dec. 15, 1950.

Ser. No. 609,943. Wm. Oddy & Company, Limited, Shipley, England. Filed Feb. 10, 1951.

ODDYSSEY

Applicant claims ownership of British Registration No. 683,102, dated Oct. 11, 1949.
For Woven Piece Goods of Wool Alone and in Combination With Cotton, Linen, and Synthetic Fibers.

Ser. No. 610,098. Roman Cotton Goods Corp., New York, N. Y. Filed Feb. 14, 1951.

Encore

Applicant claims ownership of Registration No. 330,096.
For Sheets and Pillow Cases.
Claims use since Feb. 1, 1927.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 565,971. S. A. R. L. Societe d'Exploitation des Produits des Laboratoires Fournier et Cie, Dijon, France. Filed Sept. 27, 1948.

CELLODERME

Applicant claims ownership of French Registration No. 404,435, dated Sept. 28, 1946.
For Cellulosic Dressings With or Without Adhesive—Namely, Dressings Composed of Fine Strips of Cellulosic Film Woven Together and Strongly Calendared, Which May Be Impregnated With a Powerful Antiseptic.

Ser. No. 584,199. Kay See Dental Mfg. Co., Kansas City, Mo. Filed Aug. 29, 1949.

KAYON

For Synthetic Resins for Use in Restorative Dentistry Such as the Preparation of Artificial Dentures, False Teeth, and Related Articles in the Dental Profession.
Claims use since Dec. 27, 1948.

Ser. No. 611,467. Armour and Company, Chicago, Ill. Filed Mar. 17, 1951. (Sec. 2f.)

ARMOUR

For Boilable and Non-Boilable Sutures.
Claims use since 1917.

Ser. No. 615,106. Becton Dickinson and Company, Rutherford, N. J. Filed June 13, 1951.

EMPIRE

For Hypodermic Syringes.
Claims use since 1912.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 555,444. The Perfection Company, Ltd., Waco, Tex. Filed Apr. 23, 1948.

Sun Tang

The word "Tang" is disclaimed. Applicant claims ownership of Registration No. 375,708.
For Maltless Soft Drinks—Namely, Imitation Strawberry, Imitation Grape, Imitation Orange, Imitation Cream Soda, and Imitation Cherry.
Claims use since June 24, 1939.

Ser. No. 601,903. L. S. Heath & Sons, Inc., Robinson, Ill. Filed Aug. 8, 1950. (Sec. 2f.)

HEATH

Applicant claims ownership of Registrations Nos. 319,967 and 389,755.
For Orangeade and Lemonade.
Claims use since Jan. 1, 1937.

Ser. No. 615,031. Seven Springs Tree Farm Co., Downingtown, Pa. Filed June 11, 1951.

Seven Springs

The words "Pure Spring Water" "Bottled Vitality" are disclaimed.
For Pure Spring Water.
Claims use since November 1950.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 531,797. Haines City Citrus Growers Association, Haines City, Fla. Filed Aug. 19, 1947.

FLORALAND

The representation of the map of Florida and the word "Florida" are disclaimed.
For Fresh Citrus Fruits.
Claims use since Aug. 31, 1940.

Ser. No. 532,463. Kitchen Art Foods, Inc., Chicago, Ill. Filed Aug. 26, 1947. (Sec. 2f.)

PY-O-MY

Applicant claims ownership of Registration No. 351,946.
For Baking Mixes for Making Pie Crust, Hot Rolls, Coffee Cake, Cookies, Tarts, Turnovers, Cobblers, Meat Pies, Cheese Straws, and Cakes.
Claims use since Dec. 9, 1936.

Ser. No. 540,132. San Xavier Fish Packing Company, San Francisco, Calif. Filed Nov. 4, 1947.

AAA
TRIPLE A

For Canned Sardines, Canned Sardines in Mustard Sauce, Canned Mackerel, and Canned Pilchards.
Claims use since Nov. 21, 1927.

Ser. No. 544,013. Wellman-Peck & Co., San Francisco, Calif. Filed Dec. 10, 1947.

SILVER THISTLE

For Canned Vegetables, Fruits, Fruit Juice, Olives, Table Syrup, Beans With Pork, Ravioli, Sardines, Tuna, Crabmeat, Shrimp, Clams, and Salmon.
Claims use since Mar. 16, 1904.

Ser. No. 545,180. Sun Harbor Packing Company, San Diego, Calif., assignor to Westgate-Sun Harbor Company, San Diego, Calif., a corporation of California. Filed Dec. 22, 1947.



The Latin notation "Sol Fonsvitae" may be translated as "Sun Is the Source of Life." Applicant claims ownership of Registration No. 351,258.
For Canned Fish.
Claims use since Aug. 19, 1947.

Ser. No. 552,025. Washington Canners Cooperative, Vancouver, Wash. Filed Mar. 15, 1948.

West Crest

For Canned Fruits.
Claims use since May 1, 1944.

Ser. No. 565,327. Food Fair Stores, Inc., Philadelphia Pa. Filed Sept. 17, 1948.

BonnieFarms

The word "Farms" is disclaimed.
For Produce—Namely, Fresh Eggs and Fresh Potatoes.
Claims use since Aug. 1, 1938.

Ser. No. 570,238. Wenatchee Wenoka Growers Assn., Wenatchee, Wash. Filed Dec. 8, 1948.

WENATCHEE

CHIEF

The word "Wenatchee" is disclaimed.
For Fresh Deciduous Fruits.
Claims use since September 1947.

Ser. No. 574,127. Albers Milling Company, Seattle, Wash., Portland, Oreg., and Oakland and Los Angeles, Calif. Filed Feb. 19, 1949.

MOLAS-O-MEAL

The word "Meal" is disclaimed.
For Cattle Feed Composed of Grains and Minerals.
Claims use since Apr. 1, 1920.

Ser. No. 576,520. H. C. Christians Co., Chicago, Ill., and Johnson Creek, Wis. Filed Apr. 2, 1949. (Sec. 2f.)

AYRSHIRE

Applicant claims ownership of Registrations Nos. 54,495, 58,642, and others.
For Cheese, Cheese Food, and Butter.
Claims use since Jan 1 1894.

Ser. No. 579,512. Pangburn Company, Inc., Fort Worth, Tex. Filed May 25, 1949.

Millionaires
FROM TEXAS

The word "Texas" is disclaimed.
For Candy.
Claims use since May 18, 1948.

Ser. No. 586,895. The Wander Company, Chicago, Ill. Filed Oct. 26, 1949.

Mel

Applicant claims ownership of Registration No. 298,092.
For Chocolate-Malt Flavored Milk Used as a Beverage.
Claims use since Oct. 20, 1949.

Ser. No. 589,526. Prince Macaroni Manufacturing Company, Lowell, Mass. Filed Dec. 17, 1949.

ROTINI

"Rotini" is the plural of the Italian noun "Rotino" meaning "little wheel."
For Macaroni.
Claims use since May 1, 1938.

Ser. No. 590,008. Mrs. Becker's Noodle Co., Cleveland, Ohio. Filed Dec. 28, 1949.



The portrait shown in the drawing is that of Mrs. Mittee Becker, now deceased, and the stippling occurring therein represents shading. The word "Becker's" is disclaimed.
For Noodles.
Claims use since Nov. 1, 1939.

Ser. No. 591,952. Popex, Inc., Cincinnati, Ohio. Filed Feb. 3, 1950.

Popex

For Unpopped Popcorn.
Claims use since September 1948.

Ser. No. 598,393. Charles A. Southwick, Jr., doing business under the name and style of Moravian Mills, Hope, N. J. Filed May 31, 1950. (Sec. 2f.)

MORAVIAN MILLS

The word "Mills" is disclaimed.
For Wheat Flour, Pancake Flour, Buck-Wheat Pancake Flour, Wheat Bran, Self-Rising Flour, Wheat Cereal Feeds, Rye Flour, Yellow Corn Meal, White Corn Meal, Corn Grits, Wheat Germ, and for the Following Feeds—To-Wit, Bran Shorts, Mill Run, Mixed Feeds, Red Dog, Flour Middlings, and Feed Middlings, Used as Feeds or Ingredients of Feeds for Poultry, Turkeys, Geese, Ducks, Cattle, Horses, Mules, Swine, Birds, and Various Wild Animals Held in Captivity.
Claims use since 1907.

Ser. No. 601,128. Ada Milling Company, Ada, Okla. Filed July 24, 1950.

FLOKSTOK

For Mixed Feed Pellets Composed Primarily of Grains for Poultry and Livestock.
Claims use since May 1, 1950.

Ser. No. 602,253. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Aug. 16, 1950.

EXALTOLIDE

For Natural, Synthetic, and Imitation Food Flavors.
Claims use since Apr. 30, 1928.

Ser. No. 604,415. Armour and Company, Chicago, Ill. Filed Oct. 4, 1950.

Vitalox

For Beef Extract.
Claims use since 1922.

Ser. No. 606,384. Joseph La Rosa & Sons, Modesto, Calif. Filed Nov. 14, 1950.

DEL PRIDE

For Fresh Grapes.
Claims use since Oct. 1, 1950.

Ser. No. 606,480. Northfield Cheese Corporation, New York, N. Y. Filed Nov. 16, 1950.

GRASSLAND

For Cheese.
Claims use since Nov. 1, 1950.

Ser. No. 606,686. United Biscuit Company of America, Chicago, Ill. Filed Nov. 20, 1950. (Sec. 2f.)

Sawyer

For Cookies and Crackers.
Claims use since May 1901.

Ser. No. 608,206. H. S. Fromme & Co., Inc., New York, N. Y. Filed Dec. 29, 1950.

CROWN
CLUB

For Coffee.
Claims use since Feb. 8, 1950.

Ser. No. 611,178. Grimsby Frozen Products Limited, Grimsby, England. Filed Mar. 12, 1951.

ESKIMO BRAND

The word "Brand" is disclaimed.
For Frozen Fish.
Claims use since Dec. 30, 1947, in Great Britain; and use in commerce between Great Britain and the United States on Aug. 29, 1950.

Ser. No. 611,408. Columbia River Packers Association, Inc., Astoria, Oreg. Filed Mar. 16, 1951.

ESQUIMAUX

The representation of the Eskimo is fanciful. The representation of the fish is disclaimed. Applicant claims ownership of Registration No. 76,680.
For Canned Salmon.
Claims use since 1896.

Ser. No. 612,126. Kinze's Cider Mill, Yakima, Wash. Filed Apr. 2, 1951.

Cider-Chooze

The word "Cider" is disclaimed.
For Frozen Confections on Sticks.
Claims use since Dec. 20, 1950.

Ser. No. 613,332. Interstate Coffee Company, Augusta, Ga. Filed Apr. 30, 1951. (Sec. 2f.)

BRIAR CREEK

For Coffee and Chicory Compound.
Claims use since Apr. 1, 1940.

Ser. No. 613,612. Southern California Fish Corporation, Terminal Island, Calif. Filed May 7, 1951.

Mar Azul

The mark when translated into English means: "Blue Sea." The word "Mar" is disclaimed. Applicant claims ownership of Registration No. 85,017.
For Canned Sardines.
Claims use since Dec. 11, 1950.

Ser. No. 613,873. The Great Atlantic and Pacific Tea Company, New York, N. Y. Filed May 15, 1951.

World Series

The word "Mix" is disclaimed.
For Candy.
Claims use since Apr. 16, 1951.

Ser. No. 615,092. Venus Foods, Los Angeles, Calif. Filed June 12, 1951.

KOKOJO'S

For Chocolate Cookie Bars Filled With Coconut.
Claims use since Apr. 4, 1951.

Ser. No. 615,608. Marine Products Company, San Diego, Calif. Filed June 23, 1951.

Stowaway

Applicant claims ownership of Registration No. 348,438.
For Canned Tuna and Frozen Fish Fillets and Frozen Fresh Shrimp.
Claims use since Aug. 31, 1936.

Ser. No. 617,792. Gilbert Orchards, Inc., Yakima, Wash. Filed Aug. 17, 1951.

CRYSTAL RIDGE

For Fresh Apples.
Claims use since December 1948.

Ser. No. 621,773. Klotz Confection Company, Inc., Louisville, Ky. Filed Nov. 28, 1951.

LADY HELEN

For Candy.
Claims use since Apr. 17, 1939.

CLASS 47

WINES

Ser. No. 563,069. Kina Rok, Charenton (Seine), France. Filed Aug. 9, 1948.

KINA ROK rouge APÉRITIF

The words "Kina, Rouge, Apéritif, Société Kina Rok," and "Charenton (Seine)" are disclaimed. The lining indicates brown and green. Applicant claims ownership of French Registration No. 377,778, dated May 24, 1947.
For Aperitive Wine With Quinquina.

Ser. No. 577,070. Robertson Bros. & Co. Limited, London, England. Filed Apr. 13, 1949. (Sec. 2f.)

ROBERTSON'S

Applicant claims ownership of British Registration No. 656,566, dated Feb. 17, 1947.
For Port Wine.
Claims use since 1926 in Great Britain; and since 1926 in commerce between Great Britain and the United States.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 548,043. Berghoff Brewing Corporation, Fort Wayne, Ind. Filed Jan. 27, 1948.

1887

Applicant claims ownership of Registrations Nos. 312,693 and 393,963.
For Beer.
Claims use since May 15, 1935.

Ser. No. 555,298. Piel Bros., East New York and Brooklyn, N. Y. Filed Apr. 22, 1948. (Sec. 2f as to "Piel's.")

PIEL'S

For Beer.
Claims use since Feb. 14, 1946, on the mark as shown; and since 1883 as to the word "Piel's."

Ser. No. 555,299. Piel Bros., East New York and Brooklyn, N. Y. Filed Apr. 22, 1948. (Sec. 2f.)

PIEL'S BEER

The notation "A Split of Beer" is disclaimed.
For Beer.
Claims use since June 1941.

Ser. No. 614,770. Theo. Hamm Brewing Co., St. Paul, Minn. Filed June 5, 1951.

SINCE 1865

The words "Since 1865" are disclaimed. The drawing is lined for the colors red, blue, and gold.
For Beer.
Claims use since Feb. 16, 1951.

Ser. No. 614,771. Theo. Hamm Brewing Co., St. Paul, Minn. Filed June 5, 1951. (Sec. 2f as to "Hamm's.")

Hamm's Hamm's

The words "America's Most Refreshing Beer" and "Since 1865" are disclaimed. The drawing is lined for the colors gold, red, blue, and silver. Applicant claims ownership of Registrations Nos. 533,200 and 537,727.
For Beer.
Claims use since Feb. 16, 1951, on the mark as shown; and since Nov. 10, 1894, as to the word "Hamm's."

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 589,445. Lemon Hart & Son Limited, London, England. Filed Dec. 16, 1949.

The name "Lemon Hart" is not that of a living individual. The words "Golden Jamaica" and "Rum" are disclaimed. Applicant claims ownership of British Registration No. 674,449, dated Nov. 15, 1948.
For Rum.
Claims use since 1877 in Great Britain; and since 1933 in commerce between Great Britain and the United States.

Ser. No. 598,986. The Crosse & Blackwell Company, Baltimore, Md. Filed June 13, 1950. (Sec. 2f as to "Crosse & Blackwell.")

COCKTAILER

The word "Cocktailer" is disclaimed. The portrait of the man is fanciful.
For Alcoholic Beverages—Namely, Prepared Cocktails.
Claims use since May 3, 1950, on the mark as shown; and since Oct. 11, 1938, as to "Crosse & Blackwell."

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 555,160. Consolidated Cosmetics, Chicago, Ill. Filed Apr. 21, 1948.

TAMBO

Applicant claims ownership of Registrations Nos. 436,622, 314,493, and others.
For Perfume, Lipstick, Rouge, and Face Powder.
Claims use since Dec. 10, 1932.

Ser. No. 584,444. Extraction and Chemical Company, Inc., New York, N. Y. Filed Sept. 3, 1949.

Odol

Applicant claims ownership of Registrations Nos. 30,942 and 70,021.
For Mouth Wash.
Claims use since Feb. 2, 1893.

Ser. No. 592,709. La Maur, Inc., Minneapolis, Minn. Filed Feb. 18, 1950.

Tecnique!

For Hair Colour.
Claims use since Nov. 15, 1947.

Ser. No. 596,910. Germaine Monteil Cosmetiques Corporation, New York, N. Y. Filed May 5, 1950.

Champagne Diamond

For Face Powders.
Claims use since January 1940.

Ser. No. 604,544. Potter Drug & Chemical Corporation, Malden, Mass. Filed Oct. 6, 1950.

Cuticura

Applicant claims ownership of Registrations Nos. 36,921, 49,573, and others.
For Cold Cream and Hand Cream.
Claims use since Sept. 27, 1938.

Ser. No. 610,709. Michel Cosmetics, Inc., Long Island City, N. Y. Filed Mar. 1, 1951.

MESSAGE D'AMOUR

For Perfumes.
Claims use since Dec. 16, 1949.

Ser. No. 612,003. Cheramy, Inc., New York, N. Y. Filed Mar. 30, 1951.

A/S

For Personal Deodorant.
Claims use since Oct. 31, 1950.

Ser. No. 622,370. Morton Manufacturing Corporation, doing business under the name and style of Chap Stick Co., Lynchburg, Va. Filed Dec. 21, 1951.

Ofair

For Liquid Shaving Cream.
Claims use since Dec. 13, 1951.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 581,875. Haas-Miller Corporation, Philadelphia, Pa. Filed July 13, 1949.

GRAFLITE

For Oleaginous Liquid With the Characteristic of Thickening During Use at Which Time Graphite or Any Other Insoluble Particle Is Emulsified and Carried in Suspension, Resulting in the Removal of Such Material When Rinsed Off With Water.
Claims use since June 21, 1949.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 582,619. The Groller Society, Inc., New York, N. Y. Filed July 28, 1949. (Classified in Class 101.)

The Fireside Book Club

The words "Book Club" are disclaimed.
For Reading Information Service—Namely, the Distribution of General and Special Reading Lists and the Performing of Literary Research.
Claims use since Mar. 21, 1947.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 582,619. The Groller Society, Inc., New York, N. Y. Filed July 28, 1949.

The Fireside Book Club

The words "Book Club" are disclaimed.
For Reading Information Service—Namely, the Distribution of General and Special Reading Lists and the Performing of Literary Research.
Claims use since Mar. 21, 1947.

Ser. No. 586,931. Model Industry Association, Chicago, Ill. Filed Oct. 27, 1949.



For Conducting and Promoting Activities in the Hobby-Model Industry—Namely, Furnishing Credit Information to Members on Individuals, Firms and Corporations; Issuing Periodic Bulletins to Its Associate Members Disseminating Information Concerning the Hobby-Model Industry and the Promotion of Trade Fairs, Exhibiting and Advertising Products of Its Associate Members, and of Hobby-Models Generally.
Claims use since Sept. 1, 1941.

Ser. No. 612,011. John J. Gannon, Houston, Tex. Filed Mar. 30, 1951.

TAXOLOGIST

For Income, Estate, and Inheritance Tax Services.
Claims use since June 17, 1948.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 586,931. Model Industry Association, Chicago, Ill. Filed Oct. 27, 1949. (Classified in Class 101.)



For Conducting and Promoting Activities in the Hobby-Model Industry—Namely, Furnishing Credit Information to Members on Individuals, Firms and Corporations; Issuing Periodic Bulletins to Its Associate Members Disseminating Information Concerning the Hobby-Model Industry and the Promotion of Trade Fairs, Exhibiting and Advertising Products of Its Associate Members, and of Hobby-Models Generally.
Claims use since Sept. 1, 1941.

CLASS 106

MATERIAL TREATMENT

Ser. No. 595,285. Shell Chemical Corporation, New York, N. Y. Filed Apr. 5, 1950.

Nitrojection Service

The word "Service" is disclaimed. Applicant claims ownership of Registrations Nos. 389,067 and 419,147.
For Fertilizer Distribution Service—Namely, Injecting Ammonia Into the Soil in Controlled Amounts Whereby Ammonia Is Distributed to the Soil Surrounding Vegetation.
Claims use since Jan. 25, 1950.

Ser. No. 606,318. Peerless Textile Finishing Corp., New York, N. Y. Filed Nov. 13, 1950.

INFRATEX

For Finishing of Textile Fabrics by Rendering Said Fabrics Shrink Proof.
Claims use since Aug. 25, 1950.

Ser. No. 613,514. Marchant Textile Company, Inc., Greenville, S. C. Filed May 4, 1951.

Duramar

For Finishing of Spun Rayon and Spun Nylon Fabrics by Rendering the Said Fabrics Crease-Resistant and Setting the Residual Shrinkage of the Fabric.
Claims use since Jan. 1, 1951.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,655. Petroleum Refinery Apparatus and Parts Thereof, Etc. The Koch Engineering Company, Inc., Wichita, Kans.
Filed Nov. 7, 1946, Serial No. 512,181. Published Sept. 25, 1951. Class 23.

ACT OF 1946, PRINCIPAL REGISTER

554,521. Cooking Utensils—Namely, Pots, Pans, Skillets, Roasters, Steamers, Non-Electric Coffee and Tea Pots, Pie Pans, Cullenders, All Made of Stainless Steel. Lo-Heet Stainless Steel Co., Los Angeles, Calif.
Original filed, act of 1905, Jan. 13, 1945; amended to application under act of 1946, Principal Register, Nov. 12, 1947, Serial No. 478,590. Published Nov. 20, 1951. Class 13.

554,522. Women's and Misses' Housecoats, Dresses, Skirts, and Play Suits, Which Consist of a Blouse and Attached Shorts and Overskirt. Linder Sportwear, Inc., New York, N. Y., assignee of Linder Sportwear.
Original filed, act of 1905, Nov. 20, 1945; amended to application under act of 1946, Principal Register, Feb. 12, 1948, Serial No. 491,921. Published Feb. 27, 1951. Class 39.

554,523. Cleansing Cream, Cold Cream, Lipstick, Face Rouge, Bath Powder, Cologne, Perfume, Mascara, Bath Salts, Etc. Frederic J. Trump, doing business as F. J. Trump, Stamford, Conn., assignor to Trump Associates Sales, Inc., Tucson, Ariz., a corporation of Arizona.
Original filed, act of 1905, July 3, 1946; amended to application under act of 1946, Principal Register, Mar. 30, 1948, Serial No. 505,085. Published July 4, 1950. Class 51.

554,524. Disinfectants, Insecticides, Insect Sprays, Stock Sprays, Fly Sprays, Rat Poisons and Oils for General Industrial Use—Namely, Creosote Oil and Pine Oil, Etc. Demert & Dougherty, Inc., Chicago, Ill.
Original filed, act of 1905, Sept. 21, 1946; amended to application under act of 1946, Principal Register, July 15, 1947, Serial No. 509,504. Published Oct. 23, 1951. Class 15.

554,525. Bread. Interstate Bakeries Corporation, doing business as Log Cabin Bread Co., Los Angeles, Calif., and Kansas City, Mo.
Original filed, act of 1905, Oct. 11, 1946; amended to application under act of 1946, Principal Register, Apr. 15, 1948, Serial No. 510,691. Published Mar. 13, 1951. Class 46.

554,526. Expectorant for Coughs Due to Colds in Horses, Cows, Mules, Dogs and Other Domestic Animals. H. L. Moyer Company, Inc., Bloomsburg, Pa.
Original filed, act of 1905, Nov. 25, 1946; amended to application under act of 1946, Principal Register, Sept. 11, 1947, Serial No. 513,189. Published Oct. 9, 1951. Class 18.

554,527. Motor Oil. Marathon Lubricant Co., Inc., Fort Worth, Tex., assignee of Marathon Lubricant Company.
Original filed, act of 1905, Feb. 14, 1947; amended to application under act of 1946, Principal Register, Aug. 31, 1948, Serial No. 517,500. Published Oct. 30, 1951. Class 15.

554,528. Packaged Milled Rice. Edmundson-Duhe Rice Mill Co., Inc., Rayne, La.
Original filed, act of 1905, Feb. 27, 1947; amended to application under act of 1946, Supplemental Register, Dec. 6, 1947; amended to Principal Register, July 5, 1950, Serial No. 518,211. Published Aug. 1, 1950. Class 46.

554,529. Wheeled Stand for Lifting and Moving a Drum of Oil or the Like to a Desired Location and Thereafter Serving as a Support for the Same. Walter Stanton Feagan, doing business as Allied Dealers Supply Co., Los Angeles, Calif.
Original filed, act of 1905, Apr. 7, 1947; amended to application under act of 1946, Principal Register, June 14, 1948, Serial No. 520,274. Published Nov. 13, 1951. Class 13.

554,530. Centrifugal Machinery and Equipment—Namely, Self-Contained Machines Employing Motor-Driven Rotating Elements, for the Performance, by Centrifugal Action or Agitation, of Operations Involving the Extraction, Drying, Washing, Impregnating, Coating, Separating, and Precipitation of Solids and Fluids or Mixtures Thereof. The Leon J. Barrett Co., Millbury, Mass.
Filed Aug. 15, 1947, Serial No. 532,405. Published Oct. 2, 1951. Class 23.

554,531. Wooden Drums To Contain Loose Material. The Greif Bros. Cooperage Corporation, Cleveland, Ohio, and Chicago, Ill.
Filed Aug. 30, 1947, Serial No. 532,927. Published Nov. 13, 1951. Class 2.

554,532. Hydraulic Metal Working Presses of All Kinds. E. W. Bliss Company, Detroit, Mich., and Toledo, Ohio.
Filed Sept. 6, 1947, Serial No. 533,664. Published Oct. 23, 1951. Class 23.

554,533. Wooden Drums To Contain Loose Material. The Greif Bros. Cooperage Corporation, Cleveland, Ohio, and Chicago, Ill.
Filed Sept. 8, 1947, Serial No. 533,733. Published Nov. 13, 1951. Class 2.

554,534. Paper Cups, Handled and Non-Handled, Paper Plates, and Paper Coasters. Paper Art Company, Inc., Indianapolis, Ind.
Filed Sept. 8, 1947, Serial No. 533,768. Published Nov. 20, 1951. Class 2.

554,535. Exterior Aluminum Paint. Central Petroleum Company, Cleveland, Ohio.
Filed Sept. 17, 1947, Serial No. 534,741. Published Oct. 9, 1951. Class 16.

554,536. Fresh Citrus Fruits. Monte Vista Citrus Association, Riverside, Calif.
Filed Oct. 17, 1947, Serial No. 538,155. Published Nov. 6, 1951. Class 46.

554,537. Ready Mixed Paints for Interior and Exterior Use, Etc. Mautz Paint & Varnish Company, Madison, Wis.
Filed Nov. 6, 1947, Serial No. 540,296. Published Oct. 9, 1951. Class 16.

554,538. Varnish, Liquid Varnish Stains, and Wood Stains. Republic Paint & Varnish Co., Chicago, Ill.
Filed Nov. 12, 1947, Serial No. 540,879. Published Oct. 3, 1950. Class 16.

554,539. Manual Vibrators for Applying Light, Heat, and Vibratory Massage to the Skin and Body of the Patient. Marty Associates, Dayton, Ohio.
Filed Dec. 3, 1947, Serial No. 543,202. Published Nov. 6, 1951. Class 44.

554,540. Canned Vegetables—Namely, Peas, Corn, Green and Wax Stringless Beans, Lima Beans, Beets, Spinach, Sweet Potatoes, White Potatoes, Succotash. Thomas Roberts & Co., Philadelphia, Pa.
Filed Dec. 8, 1947, Serial No. 543,750. Published July 25, 1950. Class 46.

554,541. Field Seeds, Grass Seed, Vegetable Seed, Flower Seed, Bulbs, Plants, and Nursery Stock. Springfield Seed Company, Springfield, Mo.
Filed Dec. 11, 1947, Serial No. 544,127. Published Oct. 30, 1951. Class 1.

554,542. Venetian Blind Cleaning Brush for Attachment to Suction Cleaner Hose. W & W Manufacturing Company, Grandview, Mo.
Filed Dec. 23, 1947, Serial No. 545,320. Published Oct. 23, 1951. Class 23.

554,543. Dessert Powders. Ready-Jell Mfg. Co., Inc., Green Island, N. Y.
Filed Dec. 30, 1947, Serial No. 545,770. Published Nov. 6, 1951. Class 46.

554,544. Sealing Compound for Sealing Unions in Engines, Putty-Like Paste for Sealing Windshields and Moldings, and Sealing Compound for Pipe Joints. Permatex Company, Inc., Brooklyn and Sheepshead Bay, N. Y.
Filed Dec. 31, 1947, Serial No. 545,878. Published Oct. 30, 1951. Class 12.

554,545. Automotive Paints. R. N. Nason & Co., San Francisco, Calif.
Filed Jan. 13, 1948, Serial No. 546,860. Published Nov. 13, 1951. Class 16.

554,546. Wetting Agent, Penetrating and Foaming Agent for Use in Processing Textiles, Metals and for Assisting in the Cleaning of Solid Surfaces, for Wetting Out and Dispersing Sulfur and Pigments or Other Solids and for Providing Blanketing Foam. Alrose Chemical Company, Cranston, R. I.
Filed Jan. 14, 1948, Serial No. 546,937. Published June 7, 1949. Class 6.

554,547. Interior Paints and Pigmented Sealers for Use as First Coater Paints on Porous Surfaces and New Work. The Black Diamond Paint & Varnish Works, Inc., Cincinnati, Ohio.
Filed Jan. 17, 1948, Serial No. 547,309. Published Nov. 6, 1951. Class 16.

554,548. Medicated Solution for Use as an Eye Wash. Abbott Laboratories, North Chicago, Ill.
Filed Jan. 29, 1948, Serial No. 548,218. Published Oct. 30, 1951. Class 18.

554,549. Pamphlets and Leaflets Issued From Time to Time. Radio Manufacturers Association, Washington, D. C., now by change of name Radio-Television Manufacturers Association.
Filed Feb. 4, 1948, Serial No. 548,759. Published Sept. 26, 1950. Class 38.

554,550. Canned Fish. Hudson Food Products Company, Inc., New York, N. Y.
Filed Feb. 6, 1948, Serial No. 548,965. Published Oct. 30, 1951. Class 46.

554,551. Canned Salmon. Washington Fish & Oyster Co., Inc., Seattle, Wash.
Filed Mar. 23, 1948, Serial No. 552,823. Published Nov. 6, 1951. Class 46.

554,552. Construction Materials—Namely, Concrete Rings and Plates Used in Concrete Buildings, and Supports for Adjustably Mounting a Threaded Shank Between Studs or Joists. All-Steel Equipment Inc., Aurora, Ill.
Filed Apr. 9, 1948, Serial No. 554,194. Published Oct. 23, 1951. Class 12.

554,553. Fresh Deciduous Fruits and Fresh Vegetables. Cochran Co., Inc., Tracy, Calif.
Filed Apr. 19, 1948, Serial No. 554,947. Published Nov. 6, 1951. Class 46.

554,554. Printed Trade Cards, Trading Stamps, and Books of Trading Stamps. John Francis Briskey, Birmingham, Ala.
Filed May 5, 1948, Serial No. 556,244. Published Nov. 20, 1951. Class 38.

554,555. Construction Materials—Namely, Concrete Rings and Plates Used in Concrete Buildings, and Supports for Adjustably Mounting a Threaded Shank Between Studs or Joists. All-Steel Equipment Inc., Aurora, Ill.
Filed May 8, 1948, Serial No. 556,518. Published Oct. 23, 1951. Class 12.

554,556. Spraying Apparatus Mounted on a Mobile Vehicle Adapted To Disseminate Insecticides and Compositions for Weed Control. R. E. Morris Company, Inc., Waterloo, Iowa.
Filed June 12, 1948, Serial No. 559,112. Published Sept. 25, 1951. Class 23.

554,557. Double-Strength White Paste Paint. Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich.
Filed May 13, 1948, Serial No. 559,464. Published Sept. 25, 1951. Class 16.

554,558. Salve for Skin Diseases, Boils, Wounds, Bruises, and Contusions. Antoni & Frances Szejner Co., Chicago, Ill.
Filed Aug. 16, 1948, Serial No. 563,444. Published Oct. 23, 1951. Class 18.

554,559. Canned Fish—Namely, Herring, Sardines, and Anchovies; and Canned Mushrooms. Chr. Bjelland & Co. Inc., New York, N. Y.
Filed Oct. 19, 1948, Serial No. 567,179. Published Apr. 17, 1951. Class 46.

554,560. Moisture-Repellent Penetrating Coating for Masonry Material Such as Brick, Stone, and Concrete. Forman, Ford & Company, Minneapolis, Minn.
Filed Oct. 20, 1948, Serial No. 567,250. Published Oct. 30, 1951. Class 12.

554,561. Dental Cream, Mouth Wash, Laxative Tablets, Children's Laxative Syrup, Castor Oil, Etc. Clover Farm Stores Corporation, Cleveland, Ohio.
Filed Nov. 8, 1948, Serial No. 568,350. Published Oct. 23, 1951. Class 51.

554,562. Metal Roofing in Sheet Form, Metal Roofing Materials—Namely, Flashing, Ridge Roll, Valleys, Gutters, Edges, Etc. Nichols Wire and Aluminum Co., Davenport, Iowa.
Filed Nov. 9, 1948, Serial No. 568,439. Published Sept. 25, 1951. Class 12.

554,563. Thermoplastic Cement for Use in French Cord Bindings. B. B. Chemical Co., Boston, Mass.
Filed Nov. 10, 1948, Serial No. 568,488. Published Oct. 30, 1951. Class 5.

554,564. Preparation Containing Pregneninolone (Anhydrohydroxy Progesterone) for Luteal Hormone Therapy. Parke, Davis & Company, Detroit, Mich.
Filed Dec. 9, 1948, Serial No. 570,272. Published Oct. 30, 1951. Class 18.

554,565. Venetian Blind Supporting Tape. Henry J. Mackin, doing business as H. J. Mackin Sales Co., Momence, Ill.
Filed Dec. 15, 1948, Serial No. 570,566. Published Nov. 13, 1951. Class 40.

554,566. Roost Paint and Sheep Marking Paint. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 16, 1948, Serial No. 570,642. Published Nov. 6, 1951. Class 16.

554,567. Machines and Machinery for Heating and Cooling Beverages, Etc. Barry-Wehmiller Machinery Company, St. Louis, Mo.
Filed Dec. 30, 1948, Serial No. 571,315. Published Nov. 20, 1951. Class 34.

554,568. Automotive Clutches and Parts Thereof, Clutch Plates, Clutch Facings and Springs, Screws, Bolts, Nuts, Pressure Plates, Levers, and Washers for Clutches. Accurate Parts Manufacturing Company, Cleveland, Ohio.
Filed Nov. 10, 1948, Serial No. 571,387. Published Sept. 18, 1951. Class 23.

554,569. Mineral Waxes for Industrial Use. Pennotex Oil Corporation, New York, N. Y.
Filed Nov. 24, 1948, Serial No. 571,478. Published Oct. 30, 1951. Class 15.

554,570. Gloves of Rubber, or of Substitutes or Imitations Thereof, Etc. Pirelli Societa Per Azioni, Milan, Italy.
Filed Dec. 27, 1948, Serial No. 571,685. Published Oct. 30, 1951. Class 44.

554,571. Chewing Gum. American Chicle Company, Long Island City, N. Y.
Filed Jan. 12, 1949, Serial No. 572,010. Published Oct. 30, 1951. Class 46.

554,572. Printed Posters and Graphic Charts. Colorado Seminary (University of Denver), Denver, Colo.
Filed Jan. 13, 1949, Serial No. 572,087. Published Oct. 30, 1951. Class 38.

554,573. Salted Peanuts, Peanut Butter Sandwiches, Cakes, Cookie Sandwiches, Fig Bars, Oat Cakes, Malt Sandwiches, Soda Cracker Sandwiches With Suitable Filling, Candy Suckers, Fudge Bars, Cocoanut Bars, Peanut Bars, and Potato Chips. Lance, Inc., Charlotte, N. C.
Filed Feb. 1, 1949, Serial No. 573,131. Published Oct. 9, 1951. Class 46.

554,574. Seambinding and Biasbinding Used in Sewing Clothing and Textile Fabrics. Sheltex Manufacturing Co., Inc., Brooklyn, N. Y., assignee of Sheltex Manufacturing Co.
Filed Feb. 15, 1949, Serial No. 573,903. Published Oct. 30, 1951. Class 40.

554,575. Paint for Machinery, Tanks, and Oil Field Equipment in General. Chemicals, Inc., Britton, Okla., assignor to Indian Drilling Mud Co., Inc., Britton, Okla., a corporation of Oklahoma.
Filed Feb. 21, 1949, Serial No. 574,209. Published Feb. 14, 1950. Class 16.

554,576. Food Products—Namely, Corn Starch, Rice Starch, Etc. Stein, Hall & Company, Inc., New York, N. Y.
Filed Mar. 8, 1949, Serial No. 575,100. Published Nov. 6, 1951. Class 46.

554,577. Hair Carpet Cushions. American Hair & Felt Company, Chicago, Ill.
Filed Mar. 12, 1949, Serial No. 575,319. Published Oct. 30, 1951. Class 50.

554,578. Buttons in Bulk and on Cards. Hy-Lite Plastic Co., New York, N. Y.
Filed Mar. 19, 1949, Serial No. 575,705. Published Sept. 25, 1951. Class 40.

554,579. Chloride of Lime Otherwise Known as Chlorinated Lime for Use as a Disinfectant, Etc. H. M. Sinclair, Jr., Toledo, Ohio, trustee for the Ohio partnership, The Sinclair Manufacturing Company.
Filed Mar. 23, 1949, Serial No. 575,935. Published Aug. 15, 1950. Class 6.

554,580. Canned Sweet Corn, Succotash, and Lima Beans. The Buckeystown Canning Company, Buckeystown, Md.
Filed Apr. 9, 1949, Serial No. 576,846. Published Nov. 21, 1950. Class 46.

554,581. Corrugated and Laminated Paperboard Boxes and Cartons and for Paper Bags. Brown Container Company, Inc., West Monroe, La.
Filed Apr. 19, 1949, Serial No. 577,365. Published Nov 20, 1951. Class 2.

554,582. Agricultural Seeds, Not Including Lawn Grass Seeds and Flower Seeds. F. W. Rickard, Winchester, Ky.
Filed Apr. 20, 1949, Serial No. 577,454. Published Oct. 30, 1951. Class 1.

554,583. Liquid or a Cream To Be Used as a Protective Covering Over Lip Make-Up. Renoir Parfums, Ltd., New York, N. Y.
Filed Apr. 26, 1949, Serial No. 577,734. Published Aug. 8, 1950. Class 51.

554,584. Paving and Lining Slabs and Blocks, Consisting of a Mixture of Asbestos Fibers and Resins or Asphalt or Other Plastic Materials. S. A. pour la Fabrication de Materiaux de Construction "Fademac," Brussels, Belgium.
Filed Apr. 27, 1949, Serial No. 577,812. Published Oct. 9, 1951. Class 12.

554,585. Surgeon's Gloves, Hypodermic Syringe Boxes, Hypodermic Needle Boxes, Clinical Thermometers, Catheters, and Bandage Scissors. Roane-Barker, Inc., Greenville, S. C.
Filed May 2, 1949, Serial No. 578,102. Published Oct. 30, 1951. Class 44.

554,586. Interior and Exterior House Paints, Varnishes, and Air-Drying Enamels. Pecora Paint Co., Philadelphia, Pa.
Filed May 21, 1949, Serial No. 579,290. Published Oct. 9, 1951. Class 16.

554,587. Gas and Air Conditioning Apparatus Comprising Fans and Means for Controlling Temperature, and/or Humidity and/or Purity of the Circulated Gas. Aktieboiaget Svenska Flaktfabriken, Stockholm, Sweden.
Filed June 3, 1949, Serial No. 579,911. Published Nov. 20, 1951. Class 34.

554,588. Parasiticides for Plant Use. Food Machinery and Chemical Corporation, San Jose, Calif.
Filed June 9, 1949, Serial No. 580,189. Published Nov. 20, 1951. Class 6.

554,589. Varnish-Like Preparation for Finishing and Treating Floors. West Disinfecting Company, Long Island City, N. Y.
Filed June 14, 1949, Serial No. 580,445. Published Nov. 6, 1951. Class 16.

554,590. Mats To Be Typed Upon Through a Ribbon and for Use in Duplicating Machines. Manifold Supplies Company, Brooklyn, N. Y.
Filed June 25, 1949, Serial No. 581,073. Published Oct. 30, 1951. Class 50.

554,591. Hair Dressing of a Petroleum Jelly Base Compounded To Give a Soft Glow to the Hair. Willie L. Clark, Charleston, W. Va.
Filed June 30, 1949, Serial No. 581,323. Published Oct. 30, 1951. Class 51.

554,592. Soda Ash, Caustic Soda, and Modified Forms of Each of Varying Alkali Content, Etc. Diamond Alkali Company, Cleveland, Ohio.
Filed June 30, 1949, Serial No. 581,326. Published Nov. 20, 1951. Class 6.

554,593. Coffee. His Majesty's Coffee Corporation, Oakland, Calif.
Filed July 2, 1949, Serial No. 581,478. Published Oct. 16, 1951. Class 46.

554,594. Cocoa and Coffee. Arnat Packing Co., Brooklyn, N. Y.
Filed July 6, 1949, Serial No. 581,546. Published Oct. 9, 1951. Class 46.

554,595. Porcelain Enamel Sheet Siding for Buildings. Davidson Enamel Products, Inc., Lima, Ohio.
Filed July 11, 1949, Serial No. 581,761. Published Oct. 23, 1951. Class 12.

554,596. Valves for Controlling the Flow of Fluids in Pipelines. Audley Engineering Company Limited, Newport, Shropshire, England.
Filed July 22, 1949, Serial No. 582,340. Published Nov. 20, 1951. Class 13.

554,597. Watch Movements, Watches, Clocks, and Watch Dials. Enicar, S. A., Lengnau, Switzerland.
Filed July 18, 1949, Serial No. 582,381. Published Oct. 30, 1951. Class 27.

554,598. Glass Bottles for Shipping and Dispensing Parenteral Solutions. Cutter Laboratories, Berkeley, Calif.
Filed June 13, 1949, Serial No. 582,390. Published Oct. 30, 1951. Class 44.

554,599. Blowing Machines for Blowing Crops Into Storage Bins. Northland Engineering & Manufacturing Company, Appleton, Wis.
Filed July 28, 1949, Serial No. 582,646. Published Oct. 30, 1951. Class 23.

554,600. Mastic Material of Tape-Like Form for Weatherstripping and Water Sealing Purposes. The Tremco Manufacturing Company, Cleveland, Ohio.
Filed July 19, 1949, Serial No. 583,320. Published Oct. 9, 1951. Class 12.

554,601. Hair Shampoo. Gaylord Products, Incorporated, Chicago, Ill.
Filed Aug. 12, 1949, Serial No. 583,391. Published Nov. 20, 1951. Class 52.

554,602. Hair Shampoo. Gaylord Products, Incorporated, Chicago, Ill.
Filed Aug. 12, 1949, Serial No. 583,392. Published Nov. 20, 1951. Class 52.

554,603. Prefabricated Clothes Chutes and Prefabricated Dust Chutes. Ernest Kluegel Co., St. Paul, Minn.
Filed Aug. 20, 1949, Serial No. 583,760. Published Oct. 23, 1951. Class 12.

554,604. Wall Pictures. The Dolly Toy Company, Tipp City, Ohio.
Filed July 22, 1949, Serial No. 583,900. Published Nov. 20, 1951. Class 38.

554,605. Square-Butt Strip Shingles. The Logan-Long Company, Chicago, Ill.
Filed July 8, 1949, Serial No. 584,039. Published Oct. 23, 1951. Class 12.

554,606. Furnaces, Including Floor and Wall Furnaces, Boilers, and Gas Burners. Wholesale Equipment Corporation, Kansas City, Mo.
Filed Sept. 6, 1949, Serial No. 584,517. Published Apr. 10, 1951. Class 34.

554,607. Packaged Members Made From Sheet Metal and Shaped for Assembly to Form, When Assembled, Housings, Ducts, and Enclosures for Ventilating, Heating, and Air Conditioning Systems. Swett Bros. Heating and Appliance Company, Springfield, Mass.
Filed Sept. 10, 1949, Serial No. 584,704. Published Nov. 6, 1951. Class 34.

554,608. Monthly Publication. The India Rubber Review Company, Akron, Ohio.
Filed Sept. 13, 1949, Serial No. 584,768. Published Nov. 13, 1951. Class 38.

554,609. Watches and Parts of Watches. Eterna, S. A., Grenchen, Switzerland.
Priority under Sec. 44(d). Swiss Registration No. 129,111, filed Apr. 29, 1949.
Filed Sept. 17, 1949, Serial No. 585,043. Published Oct. 30, 1951. Class 27.

554,610. Lapel Vases, Currently Made of Tralucent Molded Plastic, Either in Natural Color or Suitably Dyed. Syndicate Sales Company, Kokomo, Ind.
Filed Sept. 20, 1949, Serial No. 585,086. Published Nov. 20, 1951. Class 40.

554,611. Synthetic Copolymer Sheet Material in the Nature of Artificial Leather for Making the Outer Soles of Shoes. Apex Tire & Rubber Co., Pawtucket, R. I.
Filed Oct. 4, 1949, Serial No. 585,737. Published Oct. 30, 1951. Class 50.

554,612. Motor Driven, High-Speed Three-Roll Mills for Dispersing and Mixing Paints, Inks, Soaps, Chocolate, and the Like Products. Brasington Corporation, Cincinnati, Ohio, assignor to Troy Engine & Machine Company, York, Pa.
Filed Oct. 13, 1949, Serial No. 586,233. Published Oct. 30, 1951. Class 23.

554,613. Barrettes. Diadem, Inc., Leominster, Mass.
Filed Oct. 17, 1949, Serial No. 586,402. Published Oct. 2, 1951. Class 40.

554,614. Light Metal Ware—Namely, Flower Pots, Flower Bowls, Hospitality Bowls, Center Piece Bowls, Tumblers, and Pitchers. Norben, Inc., Indianapolis, Ind.
Filed Oct. 19, 1949, Serial No. 586,541. Published Nov. 13, 1951. Class 13.

554,615. Synthetic and Natural Resinous Materials in the Form of Sheets, Films, Bands, Tubing, and Hollow Bodies. The Chemstrand Corporation, Philadelphia, Pa.
Filed Oct. 21, 1949, Serial No. 586,620. Published Oct. 30, 1951. Class 1.

554,616. Fresh Fruits—Namely, Plums, Grapes, and Apricots. Di Giorgio Fruit Corporation, San Francisco, Calif.
Filed Oct. 24, 1949, Serial No. 586,730. Published Oct. 30, 1951. Class 46.

554,617. Preparation for Cleaning and Polishing Glass. Charles Thornfield, doing business as Furmoto Chemical Company, London, England.
Filed Oct. 25, 1949, Serial No. 586,799. Published Nov. 20, 1951. Class 4.

554,618. Lubricating Oil. Continental Oil Company, Ponca City, Okla.
Filed Nov. 3, 1949, Serial No. 587,250. Published Oct. 30, 1951. Class 15.

554,619. Resinous Plastic Surfacing Materials and Laminated Plastic Surfacing Materials in Various Shapes for Table Tops, Sinks, Splashboards, Bars, Soda Fountains, Counter Tops, and Facings, Walls and Ceilings. St. Regis Paper Company, New York, N. Y.
Filed Nov. 17, 1949, Serial No. 587,975. Published Oct. 2, 1951. Class 12.

554,620. Toothpicks. The Diamond Match Company, New York, N. Y.
Filed Nov. 25, 1949, Serial No. 588,278. Published Oct. 30, 1951. Class 44.

554,621. Cleaning Preparations Having Cleansing and Detergent Qualities for General Industrial and Household Use—Namely, for Use on Painted Surfaces and Glass. Norman J. Mortimer, New Hope, Pa.
Filed Nov. 29, 1949, Serial No. 588,504. Published Nov. 20, 1951. Class 52.

554,622. Silica Mortar. General Refractories Company, Philadelphia, Pa.
Filed Dec. 5, 1949, Serial No. 588,795. Published Sept. 25, 1951. Class 12.

554,623. Poultry Feed. The Quaker Oats Company, Chicago, Ill.
Filed Dec. 5, 1949, Serial No. 588,809. Published Nov. 20, 1951. Class 46.

554,624. House Interior Paint. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 6, 1949, Serial No. 588,899. Published Oct. 9, 1951. Class 16.

554,625. Knitted Outer Wear—Namely, Sweaters. Tricosa, Paris, France.
Filed Dec. 8, 1949, Serial No. 589,051. Published Nov. 6, 1951. Class 39.

554,626. Liquid Phenolic Resin Used as the Basic Ingredient in Producing a Light Cellular Plastic Foam Material. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa.
Filed Dec. 29, 1949, Serial No. 590,117. Published Oct. 9, 1951. Class 6.

554,627. Furniture Polish and Cleaner. Fred A. Brown Company, Grand Rapids, Mich.
Filed Jan. 9, 1950, Serial No. 590,544. Published Nov. 20, 1951. Class 4.

554,628. Pocket Heaters. David T. Abercrombie Company, New York, N. Y.
Filed Jan. 10, 1950, Serial No. 590,569. Published Oct. 30, 1951. Class 34.

554,629. Raw Popcorn. Central Popcorn Company, Schaller, Iowa.
Filed Jan. 26, 1950, Serial No. 591,457. Published Nov. 6, 1951. Class 46.

554,630. Ham and Bacon. Ray H. Hathaway, Spokane, Wash.
Filed Jan. 30, 1950, Serial No. 591,680. Published Nov. 6, 1951. Class 46.

554,631. Poultry Feeding Batteries, Poultry Wire Coops, and Poultry Water Fountains. Barker Poultry Equipment Co., Ottumwa, Iowa.
Filed Feb. 11, 1950, Serial No. 592,298. Published Oct. 30, 1951. Class 50.

554,632. Men's Rainwear—Namely, Coats and Jackets. Plymouth Manufacturing Company, Boston, Mass.
Filed Feb. 14, 1950, Serial No. 592,434. Published Oct. 23, 1951. Class 39.

554,633. Fried Shrimp. Ever Tempting Food Products Corp., New York, N. Y.
Filed Feb. 23, 1950, Serial No. 592,888. Published Nov. 20, 1951. Class 46.

554,634. Perfume. Marilyn Gorman, doing business as The Marilyn Shoppe, Rye, N. Y.
Filed Feb. 27, 1950, Serial No. 593,114. Published Oct. 30, 1951. Class 51.

554,635. Candy Bars. Sisco-Hamilton Co., Chicago, Ill.
Filed Mar. 2, 1950, Serial No. 593,296. Published Oct. 30, 1951. Class 46.

554,636. Smoking Tobacco. The American Tobacco Company, New York, N. Y.
Filed Mar. 8, 1950, Serial No. 593,579. Published Oct. 30, 1951. Class 17.

554,637. Cologne, Perfume, Dusting Talcum, Bath Salts, Bath Oil, Deodorant for Personal Use, and Creme Sachet. Jack B. Nethercutt, doing business as Nethercutt Laboratories, Santa Monica, Calif.
Filed Mar. 8, 1950, Serial No. 593,607. Published Oct. 30, 1951. Class 51.

554,638. Doors of the Overhead Type, Either Manually or Automatically Operated. Atlas Overhead Door Company, Quakertown, Pa.
Filed Mar. 9, 1950, Serial No. 593,645. Published Oct. 30, 1951. Class 12.

554,639. Hair Waving Lotion and Neutralizer. Elizabeth Arden Sales Corporation, New York, N. Y.
Filed Mar. 13, 1950, Serial No. 593,852. Published Oct. 30, 1951. Class 51.

554,640. Feminine Hygiene Calendar. C-F Enterprises, San Francisco, Calif.
Filed Mar. 18, 1950, Serial No. 594,196. Published Nov. 13, 1951. Class 38.

554,641. Lotion for Hands and Skin. Pacquin-Lester Company, Litchfield, Conn.
Filed Mar. 23, 1950, Serial No. 594,487. Published Oct. 30, 1951. Class 51.

554,642. Spar Varnish and Varnish Stain. F. O. Pierce Company, Long Island City, N. Y.
Filed Mar. 24, 1950, Serial No. 594,573. Published Nov. 6, 1951. Class 16.

554,643. Enamel for Interior Walls, Ceiling and Woodwork, and Flat Paints. F. O. Pierce Company, Long Island City, N. Y.
Filed Mar. 24, 1950, Serial No. 594,576. Published Oct. 9, 1951. Class 16.

554,644. Hosiery for Women or Girls. J. W. Landenberger & Co., Philadelphia, Pa.
Filed Mar. 28, 1950, Serial No. 594,795. Published Oct. 30, 1951. Class 39.

554,645. Ready Mixed Oil-Containing Paints, Synthetic Enamels, Varnishes, and Asphaltic-Base Roof Coatings. The Verflex Co., Inc., Carlstadt, N. J.
Filed Apr. 1, 1950, Serial No. 595,107. Published Sept. 25, 1951. Class 16.

554,646. Ready Mixed Oil-Containing Paints, Synthetic Enamels, Varnishes, and Asphaltic-Base Roof Coatings. The Verflex Co., Inc., Carlstadt, N. J.
Filed Apr. 1, 1950, Serial No. 595,109. Published Sept. 25, 1951. Class 16.

554,647. Coated and Uncoated Welding Rods. Victor Equipment Company, San Francisco, Calif.
Filed Apr. 3, 1950, Serial No. 595,177. Published Nov. 20, 1951. Class 14.

554,648. Rayon Tire Patches. The Firestone Tire & Rubber Company, Akron, Ohio.
Filed June 5, 1950, Serial No. 598,581. Published Nov. 20, 1951. Class 35.

554,649. Syringes and Vaccinating Instruments for Surgical and Veterinary Use. Randall Faichney Corporation, Jamaica Plain, Mass.
Filed June 8, 1950, Serial No. 598,812. Published Oct. 30, 1951. Class 44.

554,650. Watches, Watch Movements, Watch Cases, and Parts Thereof. Engelton Watch Company, Inc., New York, N. Y.
Filed June 17, 1950, Serial No. 599,319. Published Oct. 30, 1951. Class 27.

554,651. Playing Cards. The United States Playing Card Company, Cincinnati, Ohio.
Filed June 17, 1950, Serial No. 599,351. Published Nov. 20, 1951. Class 22.

554,652. Wooden and Paper-Board Serving Trays. Haskelite Manufacturing Corporation, Grand Rapids, Mich.
Filed June 19, 1950, Serial No. 599,374. Published Nov. 20, 1951. Class 2.

554,653. Trouser Hangers. Perry Metal Products Co. Inc., Brooklyn, N. Y.
Filed June 20, 1950, Serial No. 599,449. Published Oct. 30, 1951. Class 50.

554,654. Cigarettes. Larus & Brother Company, Richmond, Va.
Filed July 3, 1950, Serial No. 600,174. Published Nov. 13, 1951. Class 17.

554,655. Cigarettes. Larus & Brother Company, Richmond, Va.
Filed July 3, 1950, Serial No. 600,175. Published Nov. 13, 1951. Class 17.

554,656. Paprika. A. A. Sayia & Co., New York, N. Y.
Filed May 12, 1950, Serial No. 600,242. Published Nov. 20, 1951. Class 46.

554,657. Roll-Forming Machines for Producing Metal Shapes From Strips of Metal, Etc. American Roller Die Corporation, Cleveland, Ohio.
Filed July 18, 1950, Serial No. 600,804. Published Nov. 13, 1951. Class 23.

554,658. Coated and Uncoated Welding Rods. Victor Equipment Company, San Francisco, Calif.
Filed July 18, 1950, Serial No. 600,868. Published Nov. 20, 1951. Class 14.

554,659. Vinyl Resin Materials in the Form of Films and Sheets. Monsanto Chemical Company, St. Louis, Mo.
Filed July 29, 1950, Serial No. 601,455. Published Oct. 30, 1951. Class 1.

554,660. Greeting Cards. Norcross, Inc., New York, N. Y.
Filed Aug. 1, 1950, Serial No. 601,553. Published Nov. 20, 1951. Class 38.

554,661. Piece Goods of Cotton, Rayon, and Combinations Thereof. Herbert Manufacturing Co., Inc., New York, N. Y.
Filed Aug. 8, 1950, Serial No. 601,908. Published Nov. 13, 1951. Class 42.

554,662. Canned Fruits and Vegetables. J. R. Simplot Company, Caldwell, Idaho.
Filed Aug. 9, 1950, Serial No. 602,003. Published Nov. 20, 1951. Class 46.

554,663. Solvent Cleaning Agent for Removing Organic Paint Films. Chester Whitfield Smith, Detroit, Mich.
Filed Aug. 12, 1950, Serial No. 602,125. Published Oct. 9, 1951. Class 16.

554,664. Candies. Bard & Margolies, Inc., Brooklyn, N. Y.
Filed Aug. 21, 1950, Serial No. 602,485. Published Nov. 6, 1951. Class 46.

554,665. Electrically Operated Evaporative Type Cooler for Use in Cooling and Conditioning Air for Use Principally in Offices and Homes. N. R. Feldman, doing business as Miracle Breeze Cooler Manufacturing Company, Tucson, Ariz.
Filed Aug. 23, 1950, Serial No. 602,610. Published Nov. 6, 1951. Class 34.

554,666. Combination Storm-Screens for Casement Windows. Alumatic Corporation of America, West Allis, Wis.
Filed Aug. 28, 1950, Serial No. 602,819. Published Oct. 30, 1951. Class 12.

554,667. Louver Type Ventilators. Home Comfort Mfg. Co., East Peoria, Ill.
Filed Aug. 28, 1950, Serial No. 602,841. Published Nov. 20, 1951. Class 34.

554,668. Clips for Fastening Ornamental Trim on Automotive Vehicles. National Autocraft Manufacturing Co., Orlando, Fla.
Filed Aug. 29, 1950, Serial No. 602,909. Published Nov. 13, 1951. Class 13.

554,669. Sheet Glass. Pittsburgh Plate Glass Company, Pittsburgh, Pa.
Filed Aug. 29, 1950, Serial No. 602,911. Published Oct. 30, 1951. Class 33.

554,670. Children's Vests, Bloomers, Pajamas, Panties, Union Suits, Undershirts, Slips, Slipovers (Petticoats), Etc. Laros Textiles Company, Bethlehem, Pa.
Filed Aug. 30, 1950, Serial No. 602,961. Published Nov. 6, 1951. Class 39.

554,671. Hosiery for Men, Women, Boys, and Girls. Mido Hosiery Mills, Inc., New York, N. Y.
Filed Sept. 1, 1950, Serial No. 603,073. Published Oct. 30, 1951. Class 39.

554,672. Hardware for Sliding Doors Comprising Metal Channels and Plastic Door Supports Adapted for Attachment Respectively to the Door Lintel and to the Door for Relatively Sliding Movement, Said Parts Being Sold in Sets Accompanied by Drivable Attaching Means. Warren G. Thomas, doing business under the trade name and style of Portaglide, Philadelphia, Pa.
Filed Sept. 2, 1950, Serial No. 603,132. Published Nov. 20, 1951. Class 13.

554,673. Wood Poles and Wood Cross Arms Treated by a Controlled Air-Seasoning Process. Southern Wood Preserving Company, East Point, Ga.
Filed Sept. 6, 1950, Serial No. 603,209. Published Oct. 30, 1951. Class 12.

554,674. Core Binder Oil. Archer-Daniels-Midland Company, Minneapolis, Minn., and Cleveland, Ohio.
Filed Sept. 8, 1950, Serial No. 603,281. Published Oct. 30, 1951. Class 5.

554,675. Illustrated Leaflets Published Periodically. Rockford Screw Products Co., Rockford, Ill.
Filed Sept. 9, 1950, Serial No. 603,381. Published Nov. 20, 1951. Class 38.

554,676. Canned Vegetables and Canned Tomato Paste. Lorenzo Zerillo, Riverbank, Calif.
Filed Sept. 11, 1950, Serial No. 603,425. Published Oct. 30, 1951. Class 46.

554,677. Umbrella Frames. The Finkel Umbrella Frame Company, Inc., New York, N. Y.
Filed Sept. 12, 1950, Serial No. 603,442. Published Sept. 25, 1951. Class 41.

554,678. Plastic Films and Sheets for Use in Further Manufacture. The Firestone Tire & Rubber Company, Akron, Ohio.
Filed Sept. 13, 1950, Serial No. 603,479. Published Nov. 13, 1951. Class 1.

554,679. Department, Section, or Feature in a Magazine. McCall Corporation, New York, N. Y.
Filed Sept. 13, 1950, Serial No. 603,487. Published Nov. 20, 1951. Class 38.

554,680. Steam Cleaning Machines, Comprising Boiler, Hose, and Pump, Operated Under Pressure and Sold as a Unit for Use in Cleaning Buildings and the Like. Spontane Mfg. Company, Atlanta, Ga.
Filed Sept. 14, 1950, Serial No. 603,553. Published Nov. 6, 1951. Class 34.

554,681. Aluminum Table Ware—Namely, Cheese Dishes, Marmalade Dishes, and Relish Dishes. Joseph B. Stier, doing business under the name of Styson Art Products Co., New York, N. Y.
Filed Sept. 14, 1950, Serial No. 603,557. Published Nov. 20, 1951. Class 13.

554,682. Leather. F. C. Donovan, Inc., Boston, Mass.
Filed Sept. 25, 1950, Serial No. 603,955. Published Oct. 30, 1951. Class 1.

554,683. Cookies. Snookies Inc., Milwaukee, Wis.
Filed Sept. 26, 1950, Serial No. 604,040. Published Oct. 23, 1951. Class 46.

554,684. Seat Mountings and Suspensions, Seats and Seat Cushions for Use on Tractors and an Earth-Moving Equipment. Bostrom Manufacturing Company, Milwaukee, Wis.
Filed Sept. 29, 1950, Serial No. 604,188. Published Sept. 25, 1951. Class 23.

554,685. Fiber Products in the Form of Creped Wadding, Sheets, and Fluff, Used Principally as Padding, Packaging, and Wiping Material, and for a Variety of Associated and Non-Associated Uses. Kimberly-Clark Corporation, Neenah, Wis.
Filed Oct. 7, 1950, Serial No. 604,581. Published Oct. 30, 1951. Class 1.

554,686. Dressed and Finished Hare and Rabbit Skins for Furs. Societe Anonyme des Anciens Etablissements C. & E. Chapal Freres et Cie, Montreuil-sous-Bois, Seine, France.
Filed Oct. 11, 1950, Serial No. 604,748. Published Oct. 30, 1951. Class 1.

554,687. Printed Woven Labels. Waldoroth Label Corporation, Boston, Mass.
Filed Oct. 13, 1950, Serial No. 604,876. Published Nov. 20, 1951. Class 38.

554,688. Petroleum Waxes, Lubricating Greases, Lubricating Oils, and Motor Fuels. The Atlantic Refining Company, Philadelphia, Pa.
Filed Oct. 18, 1950, Serial No. 605,086. Published Oct. 16, 1951. Class 15.

554,689. Magazine. Compressed Air Magazine Company, Phillipsburg, N. J.
Filed Oct. 13, 1950, Serial No. 605,285. Published Nov. 20, 1951. Class 38.

554,690. Worsted Suitings for Men's Wear Sold in the Piece. John Taylors Limited, Huddersfield, England.
Filed Oct. 26, 1950, Serial No. 605,537. Published July 3, 1951. Class 42.

554,691. Laminated Color Reproductions of Pictures and Other Reproductions on a Variety of Decorative Backgrounds. H. Felix Kraus, doing business as Prints International, New York, N. Y.
Filed Apr. 4, 1950, Serial No. 595,217. Published Nov. 13, 1951. Class 38.

554,692. Watch Main Springs. B. Jadow, Inc., New York, N. Y.
Filed Apr. 6, 1950, Serial No. 595,322. Published Oct. 30, 1951. Class 27.

554,693. Dairy Products—Namely, Fluid Milk, Fluid Buttermilk, Etc. J. Seward Johnson, doing business as Farmers & Consumers Dairy, Morristown, N. J.
Filed Apr. 7, 1950, Serial No. 595,380. Published Nov. 6, 1951. Class 46.

554,694. Perfume, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Brilliantine, Etc. J. T. Ferguson, doing business as Audrea du Val Laboratories, Chicago, Ill.
Filed Apr. 12, 1950, Serial No. 595,598. Published Oct. 30, 1951. Class 51.

554,695. Hose for High, Low, and Medium Pressure Fluid, Including Water, Steam, Air, Gasoline, Oil, Fuel, Beverages, Refrigerants, and Coolants. Aeroquip Corporation, Jackson, Mich.
Filed Apr. 14, 1950, Serial No. 595,695. Published Nov. 20, 1951. Class 35.

554,696. Salad Dressing. Nautilus Food Products Corp., New York, N. Y.
Filed Apr. 17, 1950, Serial No. 595,849. Published Nov. 6, 1951. Class 46.

554,697. Periodical. Slocum Publishing Company, Detroit, Mich.
Filed Apr. 19, 1950, Serial No. 595,989. Published Nov. 13, 1951. Class 38.

554,698. Stone Slabs and Blocks for Use in Buildings as Window Sills, Steps, Floors, and Walls. Henry H. Garner, Jr., Birmingham, Ala.
Filed Apr. 24, 1950, Serial No. 596,222. Published Sept. 25, 1951. Class 12.

554,699. Ladle Lining Cement in Dry and Plastic Form. The Robinson Clay Product Company, Akron, Ohio.
Filed Apr. 24, 1950, Serial No. 596,240. Published Sept. 25, 1951. Class 12.

554,700. Women's Hosiery. Sanson Hosiery Mills, Inc., Philadelphia, Pa.
Filed Apr. 24, 1950, Serial No. 596,242. Published Nov. 13, 1951. Class 39.

554,701. Beads of Transparent Glass for Application to Surfaces as a Reflecting Means. Glowsand Company, Trenton, N. J.
Filed Apr. 29, 1950, Serial No. 596,572. Published Oct. 30, 1951. Class 33.

554,702. Wooden, Metal, or Plastic Mortar Boxes, Cast Iron Fire Baskets. The Donley Brothers Company, Cleveland, Ohio.
Filed May 5, 1950, Serial No. 596,902. Published Nov. 20, 1951. Class 2.

554,703. Lettered Advertising Display Cards. United Sound and Signal Co., Inc., Columbia, Pa.
Filed May 10, 1950, Serial No. 597,243. Published Nov. 13, 1951. Class 38.

554,704. Paper Bags. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed May 17, 1950, Serial No. 597,606. Published Nov. 20, 1951. Class 2.

554,705. White Curled Cress Seeds. Vita-Cress Company, Mesa, Ariz.
Filed May 19, 1950, Serial No. 597,796. Published Oct. 30, 1951. Class 1.

554,706. Centrifuge Equipment—Namely, Ultracentrifuges. Specialized Instruments Corporation, Belmont, Calif.
Filed May 29, 1950, Serial No. 598,331. Published Sept. 18, 1951. Class 23.

554,707. Bearings and Rollers—Namely, Lubricant Impregnated Plastic Rollers, for Supporting Metal File and Stove Drawers. W-L Molding Company, Kalamazoo, Mich.
Filed Oct. 30, 1950, Serial No. 605,620. Published Sept. 25, 1951. Class 23.

554,708. Embroidery Patterns. The New York Pattern Company, New York, N. Y.
Filed Nov. 7, 1950, Serial No. 606,043. Published Oct. 9, 1951. Class 40.

554,709. Cigars. The S. Frieder & Sons Company, Cincinnati, Ohio, and Philadelphia, Pa.
Filed Oct. 30, 1950, Serial No. 606,194. Published Oct. 30, 1951. Class 17.

554,710. Illumination Equipment—Namely, Glass Lamp Panels, Screens, Globes, Reflectors, and Refractors. Holophane Company, Inc., New York, N. Y.
Filed Nov. 13, 1950, Serial No. 606,297. Published Nov. 20, 1951. Class 34.

554,711. Tool Steel in the Form of Billets, Forgings, Bars, Sheets, and Plates for Use in Fabrication Into Such Articles as Shear Blades, Heading Dies, Punches, Broaches, Reamers, and the Like. Vanadium-Alloys Steel Company, Latrobe, Pa.
Filed Nov. 15, 1950, Serial No. 606,446. Published Nov. 20, 1951. Class 14.

554,712. Ladders. The Ballymore Company, Wayne, Pa.
Filed Nov. 17, 1950, Serial No. 606,504. Published Oct. 30, 1951. Class 50.

554,713. Tool Steel in the Form of Billets, Forgings, Bars, Sheets, and Plates for Use in Fabricating Into Such Articles as Forging Dies, Die Casting Dies, Shear Blades, and the Like. Vanadium-Alloys Steel Company, Latrobe, Pa.
Filed Nov. 18, 1950, Serial No. 606,639. Published Nov. 20, 1951. Class 14.

554,714. Traps. Animal Trap Company of America, Lititz, Pa.
Filed Nov. 20, 1950, Serial No. 606,646. Published Oct. 30, 1951. Class 50.

554,715. Riboflavin. Nopco Chemical Company, Harrison, N. J.
Filed Nov. 22, 1950, Serial No. 606,794. Published Oct. 23, 1951. Class 18.

554,716. Fat-Soluble Vitamin Concentrates. Nopco Chemical Company, Harrison, N. J.
Filed Nov. 22, 1950, Serial No. 606,795. Published Oct. 23, 1951. Class 18.

554,717. Fat-Soluble Vitamin Concentrates. Nopco Chemical Company, Harrison, N. J.
Filed Nov. 22, 1950, Serial No. 606,796. Published Oct. 23, 1951. Class 18.

554,718. High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins. Nopco Chemical Company, Harrison, N. J.
Filed Nov. 22, 1950, Serial No. 606,797. Published Oct. 23, 1951. Class 18.

554,719. High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins. Nopco Chemical Company, Harrison, N. J.
Filed Nov. 22, 1950, Serial No. 606,801. Published Oct. 22, 1951. Class 18.

554,720. High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins. Nopco Chemical Company, Harrison, N. J.
Filed Nov. 22, 1950, Serial No. 606,802. Published Oct. 23, 1951. Class 18.

554,721. Fat-Soluble Vitamin Concentrates. Nopco Chemical Company, Harrison, N. J.
Filed Nov. 22, 1950, Serial No. 606,803. Published Oct. 23, 1951. Class 18.

554,722. Periodic Publication. National Industrial Conference Board, Inc., New York, N. Y.
Filed Nov. 28, 1950, Serial No. 607,036. Published Nov. 13, 1951. Class 38.

554,723. Steam Generators. Erie City Iron Works, Erie, Pa.
Filed Nov. 29, 1950, Serial No. 607,074. Published Nov. 20, 1951. Class 34.

554,724. Cookie Jars, Grease Jars, Pitchers, Salt and Pepper Shakers, Salad Bowls, Mixing Bowls, Tea Pots, and Flower Pots, All Made of Earthenware. Harper J. Ransburg Co., Inc., Indianapolis, Ind.
Filed Dec. 1, 1950, Serial No. 607,192. Published Oct. 30, 1951. Class 30.

554,725. Newspaper Cartoon Strip. The Hearst Corporation, New York, N. Y.
Filed Dec. 2, 1950, Serial No. 607,220. Published Nov. 13, 1951. Class 38.

554,726. Hook and Eye Type Wall Hanger for Pictures, Pin-Up Lamps, Calendars, Etc. Joseph M. Margulis, doing business as Jiffy Distributing Co., Flint, Mich., assignor to Jiffy Enterprises, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania.
Filed Dec. 6, 1950, Serial No. 607,337. Published Nov. 13, 1951. Class 13.

554,727. Stock Feed Flavors—Namely, Concentrates for Mineral and Protein Stock Feeds Containing Extractives of Anise, Etc. Flavor Corporation of America, Chicago, Ill.
Filed Dec. 7, 1950, Serial No. 607,379. Published Oct. 30, 1951. Class 46.

554,728. Cattle. Lester T. Sawyer, doing business under the name and style of Hycrest Farms, Sterling, Mass.
Filed Dec. 13, 1950, Serial No. 607,642. Published Oct. 30, 1951. Class 1.

554,729. Felt and Felting Sold in the Piece and Intended for Various Uses, as Making Shoes and Slippers. American Felt Company, Glenville, Conn.
Filed Dec. 16, 1950, Serial No. 607,734. Published Oct. 30, 1951. Class 50.

554,730. Hybrid Seed Corn. Pride Hybrid Company, Minneapolis, Minn.
Filed Dec. 16, 1950, Serial No. 607,762. Published Oct. 30, 1951. Class 1.

554,731. Pallet and Skid Platforms. Williford Manufacturing Company, Memphis, Tenn.
Filed Dec. 16, 1950, Serial No. 607,784. Published Oct. 30, 1951. Class 50.

554,732. Pallet and Skid Platforms. Williford Manufacturing Company, Memphis, Tenn.
Filed Dec. 16, 1950, Serial No. 607,785. Published Oct. 30, 1951. Class 50.

554,733. Decorative Patch To Be Applied to the Knee Part of New or Worn Children's and Youths' Jeans or Overalls. John D. Sullivan, doing business as Knee Chaps, Carlsbad, N. Mex.
Filed Dec. 19, 1950, Serial No. 607,874. Published Oct. 2, 1951. Class 40.

554,734. Vacuum Bottles, Metal Lunch Boxes Containing Vacuum Bottles, and Plastic and Leatherette Picnic Kits Each Containing Vacuum Bottles and Plastic or Metal Sandwich Boxes. Globe Vacuum Bottle Corporation, New Britain, Conn.
Filed Dec. 21, 1950, Serial No. 607,952. Published Nov. 20, 1951. Class 2.

554,735. Incinerators. Roger E. Moulton, doing business as Hen-Hawk Equipment Co., Portsmouth, N. H.
Filed Dec. 22, 1950, Serial No. 608,012. Published Nov. 6, 1951. Class 34.

554,736. Periodical Published Monthly. Travel Trade Publishing Corp., New York, N. Y.
Filed Dec. 22, 1950, Serial No. 608,025. Published Nov. 20, 1951. Class 38.

554,737. Olives. The South Shore Packing Corporation, Vermilion, Ohio.
Filed Dec. 26, 1950, Serial No. 608,191. Published Nov. 13, 1951. Class 46.

554,738. Tobacco Products—Namely, Cigarettes, Pipe Tobacco, Granulated Smoking Tobacco, and Plug Chewing Tobacco. Federal Prison Industries, Inc., Washington, D. C.
Filed Dec. 29, 1950, Serial No. 608,204. Published Oct. 30, 1951. Class 17.

554,739. Powdered Whole Milk. Swift & Company, Chicago, Ill.
Filed Dec. 29, 1950, Serial No. 608,228. Published Oct. 30, 1951. Class 46.

554,740. Super-Duty Silica Refractory Brick. General Refractories Company, Philadelphia, Pa.
Filed Jan. 3, 1951, Serial No. 608,308. Published Oct. 30, 1951. Class 12.

554,741. Wrist Watches. The International Imex Company, Inc., New York, N. Y.
Filed Jan. 11, 1951, Serial No. 608,659. Published Oct. 30, 1951. Class 27.

554,742. Gold, Silver, and Platinum Watches, Watch Parts, and Watch Movements. Savoy Watch Co. Inc., New York, N. Y.
Filed Jan. 11, 1951, Serial No. 608,678. Published Oct. 30, 1951. Class 27.

554,743. Weekly Periodical. Washington Publications, Inc., New York, N. Y.
Filed Jan. 11, 1951, Serial No. 608,688. Published Nov. 13, 1951. Class 38.

554,744. Smokers' Pipes. John Hudson Moore, Inc., New York, N. Y., now by merger The Lambert Company, a corporation of Delaware.
Filed Jan. 12, 1951, Serial No. 608,713. Published Nov. 6, 1951. Class 8.

554,745. Metal Awnings, Door Hoods, and Louver Awnings. Dracco Corporation, Cleveland, Ohio.
Filed Jan. 17, 1951, Serial No. 608,861. Published Oct. 30, 1951. Class 12.

554,746. Curtain Rails, and Accessories Therefor—Namely, Mounting Brackets, Rails, and Hangers. Lilo-Rail of America Inc., Hoboken, N. J.
Filed Jan. 18, 1951, Serial No. 608,937. Published Nov. 6, 1951. Class 13.

554,747. Women's Hosiery. Phoenix Hosiery Company, Milwaukee, Wis.
Filed Jan. 20, 1951, Serial No. 609,047. Published Nov. 6, 1951. Class 39.

554,748. Women's Hosiery. Phoenix Hosiery Company, Milwaukee, Wis.
Filed Jan. 20, 1951, Serial No. 609,048. Published Nov. 6, 1951. Class 39.

554,749. Printed Publication Issued Periodically. The Pantasote Company, Passaic, N. J., and New York, N. Y.
Filed Jan. 30, 1951, Serial No. 609,416. Published Nov. 13, 1951. Class 38.

554,750. Medicine of a Fungicidal and Antiseptic Nature for Treating Fungus and Bacterial Infections of the Body. Scientific Solutions, Inc., West Palm Beach, Fla.
Filed Jan. 30, 1951, Serial No. 609,421. Published Oct. 30, 1951. Class 18.

554,751. Socks for Men, Women, Boys, and Girls. Wilmington Hosiery Mills, Inc., Wilmington, Del.
Filed Jan. 31, 1951, Serial No. 609,459. Published Oct. 30, 1951. Class 39.

554,752. Watches. Towne Watch Co., Chicago, Ill.
Filed Feb. 2, 1951, Serial No. 609,575. Published Oct. 30, 1951. Class 27.

554,753. Plastic Materials in the Form of Sheets, Slabs, and Tubes for Further Use in the Industrial Arts. United States Rubber Company, New York, N. Y.
Filed Feb. 2, 1951, Serial No. 609,576. Published Oct. 30, 1951. Class 1.

554,754. Pipes and Pipe Fittings Made of Plastic Material. United States Rubber Company, New York, N. Y.
Filed Feb. 2, 1951, Serial No. 609,577. Published Nov. 20, 1951. Class 13.

554,755. Periodical Publication. The Grand Chapter of Phi Sigma Kappa, Chicago, Ill.
Filed Feb. 5, 1951, Serial No. 609,645. Published Nov. 13, 1951. Class 38.

554,756. Metal Pipe, Tubes, and Fittings Therefor. The National Supply Company, Pittsburgh, Pa.
Filed Feb. 5, 1951, Serial No. 609,660. Published Nov. 20, 1951. Class 13.

554,757. Coal. The Lehigh Coal and Navigation Company, Philadelphia, Pa.
Filed Feb. 7, 1951, Serial No. 609,731. Published Oct. 30, 1951. Class 1.

554,758. Publication Published Monthly or From Time to Time, the Subject Matter of Which Is Directed to Operations and Procedures Wherein Metals Are Cast. The Penton Publishing Company, Cleveland, Ohio.
Filed Jan. 19, 1951, Serial No. 609,758. Published Oct. 30, 1951. Class 38.

554,759. Cigarettes. Peter Jackson (Overseas) Limited, London, England.
Filed Feb. 8, 1951, Serial No. 609,801. Published Nov. 13, 1951. Class 17.

554,760. Highly Purified Wood Cellulose. Rayonier Incorporated, New York, N. Y.
Filed Feb. 8, 1951, Serial No. 609,813. Published Nov. 6, 1951. Class 1.

554,761. Highly Purified Wood Cellulose. Rayonier Incorporated, New York, N. Y.
Filed Feb. 8, 1951, Serial No. 609,814. Published Nov. 6, 1951. Class 1.

554,762. Cigarettes. Stephano Brothers, Philadelphia, Pa.
Filed Feb. 8, 1951, Serial No. 609,821. Published Oct. 30, 1951. Class 17.

554,763. Leather. Theodor, Inc., Los Angeles, Calif.
Filed Feb. 10, 1951, Serial No. 609,952. Published Oct. 30, 1951. Class 1.

554,764. Coal. Island Creek Coal Sales Company, Huntington, W. Va.
Filed Feb. 14, 1951, Serial No. 610,075. Published Oct. 30, 1951. Class 1.

554,765. Coal. Island Creek Coal Sales Company, Huntington, W. Va.
Filed Feb. 14, 1951, Serial No. 610,076. Published Oct. 30, 1951. Class 1.

554,766. Leather. John R. Evans & Company, Camden, N. J.
Filed Feb. 15, 1951, Serial No. 610,123. Published Nov. 6, 1951. Class 1.

554,767. Magazine Published Quarterly. The Parents' Institute, Inc., New York, N. Y.
Filed Feb. 15, 1951, Serial No. 610,138. Published Nov. 13, 1951. Class 38.

554,768. Prepared Pulverized Material Containing Carbon, Etc. The United States Graphite Company, Division of The Wickes Corporation, Saginaw, Mich.
Filed Feb. 16, 1951, Serial No. 610,196. Published Nov. 13, 1951. Class 1.

554,769. Sets of Cards Containing Information Used for Instruction and Educational Purposes. Visual Education Association, Inc., Dayton, Ohio.
Filed Feb. 19, 1951, Serial No. 610,303. Published Nov. 13, 1951. Class 38.

554,770. Perfume, Perfume Extracts, Toilet Water, Face Cream, Hand Cream, Cold Cream, Face Powder, Bath Powder, Sachet Powder, Dry Rouge, Cream Rouge, Lipstick, Lip Pomade, Lotion, Brilliantine, Eau de Cologne. Roger & Gallet, New York, N. Y.
Filed Feb. 20, 1951, Serial No. 610,341. Published Oct. 30, 1951. Class 51.

554,771. Wrenches. Tubing Appliance Company Inc., Los Angeles, Calif.
Filed Feb. 21, 1951, Serial No. 610,391. Published Oct. 9, 1951. Class 23.

554,772. Umbrellas. Comfort Equipment Company, Kansas City, Mo.
Filed Feb. 23, 1951, Serial No. 610,413. Published Nov. 13, 1951. Class 41.

554,773. Grass Seed. Garfield Williamson Inc., Jersey City, N. J.
Filed Feb. 23, 1951, Serial No. 610,437. Published Nov. 13, 1951. Class 1.

554,774. Turning Machine Having Associated Elements To Make the Cutting Tool Pursue a Path in Related Timing With the Rotation of the Spindle To Cut a Workpiece With a Cross-Section Other Than Round. The Monarch Machine Tool Company, Sidney, Ohio.
Filed Feb. 23, 1951, Serial No. 610,451. Published Oct. 9, 1951. Class 23.

554,775. Fresh Lettuce. Salinas Valley Vegetable Exchange, Salinas, Calif.
Filed Feb. 24, 1951, Serial No. 610,501. Published Oct. 23, 1951. Class 46.

554,776. Cigars. Fleming-Hall Tobacco Co., Inc., New York, N. Y.
Filed Feb. 27, 1951, Serial No. 610,548. Published Nov. 13, 1951. Class 17.

554,777. Title of Feature in a Periodical Issued From Time to Time. United Feature Syndicate, Inc., New York, N. Y.
Filed Mar. 1, 1951, Serial No. 610,723. Published Nov. 13, 1951. Class 38.

554,778. Periodical Which Is Published Monthly. California Vegetable Concentrates, Inc., Huntington Park, Calif.
Filed Mar. 2, 1951, Serial No. 610,737. Published Nov. 20, 1951. Class 38.

554,779. Column in a Newspaper. The Washington Post Company, Washington, D. C.
Filed Mar. 3, 1951, Serial No. 610,811. Published Nov. 20, 1951. Class 38.

554,780. Lipotropic Agent. George A. Breon & Company, New York, N. Y.
Filed Mar. 5, 1951, Serial No. 610,819. Published Oct. 30, 1951. Class 18.

554,781. Local and Regional Anesthetic. Winthrop-Stearns Inc., New York, N. Y.
Filed Mar. 5, 1951, Serial No. 610,883. Published Oct. 30, 1951. Class 18.

554,782. Antiseptic Solution for the Treatment of Diapers, Towels, and the Like. Homemakers' Products Corporation, New York, N. Y.
Filed Mar. 6, 1951, Serial No. 610,906. Published Nov. 20, 1951. Class 6.

554,783. Macaroni. Paramount Macaroni Manufacturing Co., Inc., Brooklyn, N. Y.
Filed Mar. 6, 1951, Serial No. 610,920. Published Oct. 30, 1951. Class 46.

554,784. Aerosol Bombs Containing Disinfectants, Deodorants, Sanitizers, and Air Fresheners. Hysan Products Company, Chicago, Ill.
Filed Mar. 7, 1951, Serial No. 610,976. Published Nov. 20, 1951. Class 6.

554,785. Marshmallow Candy Substitutes, for Restricted Diets. Charles Killgore Company, Inc., Yonkers, N. Y.
Filed Mar. 7, 1951, Serial No. 610,980. Published Nov. 6, 1951. Class 46.

554,786. Lime Sulfur Insecticide Solution and Petroleum Hydrocarbon Weed Killer. Charles E. Duggan, doing business under the fictitious firm name and style of Charles E. Duggan Co., Pomona, Calif.
Filed Mar. 10, 1951, Serial No. 611,127. Published Nov. 27, 1951. Class 6.

554,787. Machine for Polishing, Buffing, Sanding, or Drilling. The Shetland Co., Inc., Lynn, Mass.
Filed Mar. 10, 1951, Serial No. 611,149. Published Oct. 23, 1951. Class 23.

554,788. Pickled Shrimp Bait. Henry F. Cooper, doing business as Henry F. Cooper Fish Bait Co., Fort Worth, Tex.
Filed Mar. 12, 1951, Serial No. 611,171. Published Nov. 20, 1951. Class 22.

554,789. Cigarettes, Cigars, and Pipe Tobacco. Murray Hill Restaurant, Inc., New York, N. Y.
Filed Mar. 12, 1951, Serial No. 611,185. Published Nov. 20, 1951. Class 17.

554,790. Timing Chains. Republic Gear Company, Detroit, Mich.
Filed Mar. 12, 1951, Serial No. 611,198. Published Oct. 23, 1951. Class 23.

554,791. Comic Strips in Comic Magazines. Terrytoons, Inc., New Rochelle, N. Y.
Filed Mar. 12, 1951, Serial No. 611,201. Published Nov. 20, 1951. Class 38.

554,792. Publication Published From Time To Time To Promote the Sale of Dennison Manufacturing Company's Products. Dennison Manufacturing Company, Framingham, Mass.
Filed Mar. 14, 1951, Serial No. 611,262. Published Nov. 20, 1951. Class 38.

554,793. Sleds. Montello Products Company, Ripon, Wis.
Filed Mar. 14, 1951, Serial No. 611,294. Published Nov. 20, 1951. Class 22.

554,794. Greeting Cards, Printed Greeting Folders, Printed Seals, and Printed Decorative Tags. Norcross, Inc., New York, N. Y.
Filed Mar. 14, 1951, Serial No. 611,296. Published Nov. 20, 1951. Class 38.

554,795. Magazines. Fox-Shulman, Inc., Philadelphia, Pa.
Filed Mar. 19, 1951, Serial No. 611,516. Published Nov. 20, 1951. Class 38.

554,796. Smoking Tobacco. Larus & Brother Company, Richmond, Va.
Filed Mar. 19, 1951, Serial No. 611,525. Published Nov. 13, 1951. Class 17.

554,797. Smoking Tobacco. Philip Morris & Co. Ltd., Incorporated, New York, N. Y.
Filed Mar. 20, 1951, Serial No. 611,579. Published Nov. 13, 1951. Class 17.

554,798. Canned Tuna, Crabmeat, Shrimp, Salmon, and Sardines. Bien Trading Company, Inc., New York, N. Y.
Filed Mar. 21, 1951, Serial No. 611,596. Published Nov. 6, 1951. Class 46.

554,799. Composition Having Germicidal and Softening Properties When Used on Diapers and Other Cellulose Fabrics. Cal Products Company, Los Angeles, Calif.
Filed Mar. 21, 1951, Serial No. 611,600. Published Nov. 20, 1951. Class 6.

554,800. Greeting Cards. National Detroit Publishers Incorporated, Detroit, Mich.
Filed Mar. 22, 1951, Serial No. 611,653. Published Nov. 20, 1951. Class 38.

554,801. Flexible Hose Assemblies, Comprising Hose and Flexible Pipe With Associated Fittings for All Aviation and Industrial Applications. Avica Corporation, Portsmouth, R. I.
Filed Mar. 26, 1951, Serial No. 611,752. Published Nov. 27, 1951. Class 35.

554,802. Cocoa Powder. Blooker's Cacao-en Chocolade-Fabrieken N. V., Amsterdam, Netherlands.
Filed Mar. 26, 1951, Serial No. 611,753. Published Nov. 27, 1951. Class 46.

554,803. Candy. M. J. Holloway & Co., Chicago, Ill.
Filed Mar. 26, 1951, Serial No. 611,785. Published Nov. 27, 1951. Class 46.

554,804. Candy. M. J. Holloway & Co., Chicago, Ill.
Filed Mar. 26, 1951, Serial No. 611,787. Published Nov. 27, 1951. Class 46.

554,805. Candy. M. J. Holloway & Co., Chicago, Ill.
Filed Mar. 26, 1951, Serial No. 611,788. Published Nov. 27, 1951. Class 46.

554,806. Fresh Citrus Fruits. Sierra Madre-Lamanda Citrus Association, Pasadena, Calif.
Filed Apr. 3, 1951, Serial No. 612,184. Published Nov. 13, 1951. Class 46.

554,807. Gas or Liquid-Fired Space Heating Equipment—Namely, Domestic Space Heaters Having a Closed Finned Combustion Chamber in Which a Combustible Fuel-Air Mixture Is Burned. Stewart-Warner Corporation, Chicago, Ill.
Filed Apr. 5, 1951, Serial No. 612,278. Published Nov. 20, 1951. Class 34.

554,808. Chemical for Making Photographic Stop Bath. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.
Filed Apr. 6, 1951, Serial No. 612,315. Published Nov. 27, 1951. Class 6.

554,809. Chemical for Making Photographic Fixing Bath. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.
Filed Apr. 6, 1951, Serial No. 612,316. Published Nov. 27, 1951. Class 6.

554,810. Carbon Black for Use in the Chemical and Other Industries. Godfrey L. Cabot, Inc., Boston, Mass.
Filed Apr. 9, 1951, Serial No. 612,385. Published Nov. 27, 1951. Class 6.

554,811. Synthetic Polyester Fibers for Generalized Use in the Industrial Arts. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Apr. 10, 1951, Serial No. 612,449. Published Nov. 13, 1951. Class 1.

554,812. Slide Fasteners. Gem Slide Fastener Co., New York, N. Y.
Filed Apr. 20, 1951, Serial No. 612,904. Published Nov. 13, 1951. Class 13.

554,813. Anti-Skid Chains for Vehicle Wheels. The National Screw and Manufacturing Company, Cleveland, Ohio.
Filed Apr. 27, 1951, Serial No. 613,231. Published Nov. 13, 1951. Class 13.

554,814. Photographic Lenses Made in Various Focal Lengths Consisting of Seven Air-Spaced Lens Elements, Mounted in Front and Rear Cells Connected by a Metal Barrel, Used Exclusively for Motion Picture Cameras. C. P. Goerz American Optical Company, New York, N. Y.
Filed May 5, 1951, Serial No. 613,566. Published Oct. 23, 1951. Class 26.

554,815. Surface Type Heat Exchangers, Direct Contact Heat Exchangers, Deaerating Heaters, Metallurgical Furnaces, Heated Dryers, Rotary Kilns, Vapor Condensers, and Parts Thereof. Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Filed May 16, 1951, Serial No. 613,892. Published Oct. 30, 1951. Class 34.

554,816. Devices for Delivering Power Differing in One or More Characteristics From Its Input Power, i. e., Line Voltage Regulators, Frequency Changers, Regulated Rectifiers, Converters, Inverters, Power Supply, Generator Field Supply. Sorensen & Company, Inc., Stamford, Conn.
Filed Aug. 9, 1951, Serial No. 617,516. Published Nov. 6, 1951. Class 21.

Service Marks

554,817. Distribution of Hospital Care on a Prepayment Financing Basis. American Hospital Association, Chicago, Ill.
Filed Aug. 19, 1947, Serial No. 531,753. Published Feb. 21, 1950. Class 102.

554,818. Distribution of Hospital Care on a Prepayment Financing Basis. American Hospital Association, Chicago, Ill.
Filed Sept. 24, 1947, Serial No. 535,447. Published Feb. 21, 1950. Class 102.

554,819. Laminating Paper Products of Others. Gilbert L. Lewis, doing business as Protexall Permanent Process Service, Kansas City, Mo.
Filed May 24, 1948, Serial No. 557,668. Published Nov. 20, 1951. Class 106.

554,820. Advertising Services—Namely, the Design, Development and Preparation of Advertising Material, Etc. John T. Graff Company, Inc., New York, N. Y.
Filed May 27, 1948, Serial No. 557,922. Published Nov. 6, 1951. Class 101.

554,821. Enameling of the Goods of Others. Production Enameling Co., Chicago, Ill.
Filed Aug. 1, 1949, Serial No. 582,799. Published Nov. 20, 1951. Class 106.

554,822. Reconditioning and Repairing Athletic Equipment and Uniforms. Laird B. Holt, doing business under the name and style of Continental Athletic Supply, San Carlos, Calif.
Filed July 14, 1950, Serial No. 600,676. Published Nov. 20, 1951. Class 103.

Collective Marks

554,823. Lumber and Lath. Western Pine Association, Portland, Oreg.
Filed Apr. 11, 1950, Serial No. 595,580. Published Sept. 25, 1951. Class 12.

554,824. Plywood. Douglas Fir Plywood Association, Tacoma, Wash.
Filed Apr. 27, 1950, Serial No. 596,399. Published Sept. 25, 1951. Class 12.

554,825. Trade Journals and Circulars. Automotive Advertisers Council, New Castle, Ind.
Filed Jan. 8, 1951, Serial No. 608,487. Published Nov. 13, 1951. Class 38.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

554,826. (Class 46. Foods and Ingredients of Foods.) Sunshine Biscuits, Inc., Long Island City, N. Y. Original filed, act of 1946, Principal Register, July 5, 1947; amended to application, Supplemental Register, June 16, 1948, Serial No. 527,033.

...all through the meal!

For Crackers.
Claims use since Feb. 15, 1944.

554,827. (Class 39. Clothing.) C. F. Hathaway Co., Waterville, Maine. Original filed, act of 1946, Principal Register, Sept. 9, 1947; amended to application, Supplemental Register, Feb. 6, 1951, Serial No. 533,886.

THE MATTE WEAVE SHIRT

For Men's Outer Shirts.
Claims use since Oct. 18, 1939.

554,828. (Class 46. Foods and Ingredients of Foods.) Ojai Orange Association, Ojai, Calif. Original filed, act of 1946, Principal Register, Nov. 28, 1947; amended to application, Supplemental Register, Nov. 19, 1951, Serial No. 542,643.

CUT AND TRY

For Fresh Citrus Fruits.
Claims use since 1915.

554,829. (Class 12. Construction Materials.) Capitol Products, Springfield, Ill. Original filed, act of 1946, Principal Register, Apr. 12, 1948; amended to application, Supplemental Register, Oct. 3, 1951, Serial No. 554,363.

TAPER SEAL

For Garage Doors.
Claims use since Mar. 11, 1948.

554,830. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Berg Sales Co., Chicago, Ill. Original filed, act of 1946, Principal Register, June 21, 1948; amended to application, Supplemental Register, Aug. 20, 1951, Serial No. 559,828.

Sheer-Edge

The word "Edge" is disclaimed.
For Knives and Cleavers.
Claims use since August 1938.

554,831. (Class 39. Clothing.) Maling Brothers, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, July 30, 1948; amended to application, Supplemental Register, Nov. 7, 1951, Serial No. 562,562.



The drawing is lined for the colors brown, red, and gold.
For Women's and Girls' Stockings.
Claims use since June 21, 1948.

554,832. (Class 32. Furniture and Upholstery.) The Lane Company, Inc., Altavista, Va. Original filed, act of 1946, Principal Register, Oct. 19, 1948; amended to application, Supplemental Register, Aug. 9, 1951, Serial No. 567,198.

AROMA-TITE PRESSURE TESTED

For Cedar Chests.
Claims use since Sept. 8, 1948.

554,833. (Class 39. Clothing.) Norton Bros. & Morris, Inc., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Nov. 8, 1948; amended to application, Supplemental Register, June 6, 1950, Serial No. 568,395.

California Clothes
A PRODUCT OF NORTON BROS. & MORRIS LOS ANGELES

For Men's Suits and Sport Coats.
Claims use since Oct. 14, 1948 as to the mark shown, and since July 1, 1947 as to the words "California Clothes."

554,834. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) The New Williams Manufacturing Company Limited, Montreal, Quebec, Canada, assignee of The National Agency Company. Original filed, act of 1946, Principal Register, Feb. 21, 1949; amended to application, Supplemental Register, Nov. 7, 1951, Serial No. 574,670.

NEWWILLIAMS

Applicant claims ownership of Canadian Registration No. N. S. 19,236, dated Nov. 29, 1944.
For Sewing Machines, Sewing Machine Parts, and Sewing Machine Attachments.

554,835. (Class 32. Furniture and Upholstery.) The Nurre Companies, Inc., Bloomington, Ind. Original filed, act of 1946, Principal Register, Mar. 17, 1949; amended to application, Supplemental Register, Oct. 26, 1951, Serial No. 575,595.

Glass Craft

For Glass Mirrors for Use in the Hand, on the Wall and in Connection With Furniture.
Claims use since Mar. 1, 1949.

554,836. (Class 19. Vehicles.) Hercules Steel Products Corporation, Galion, Ohio. Original filed, act of 1946, Principal Register, May 26, 1949; amended to application, Supplemental Register, Aug. 15, 1950, Serial No. 579,539.

LoadNGate

For Elevating End Closure for Trucks.
Claims use since Jan. 5, 1949.

554,837. (Class 2. Receptacles.) Wood Fabricating Co., Portland, Oreg. Original filed, act of 1946, Principal Register, June 1, 1949; amended to application, Supplemental Register, Oct. 16, 1950, Serial No. 579,851.

CARGO-GARD

For Collapsible Wooden Shipping Boxes for Holding Large Quantities of Merchandise.
Claims use since Jan. 13, 1949.

554,838. (Class 8. Smokers' Articles, Not Including Tobacco Products.) Hamilton Art Metal Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 15, 1949; amended to application, Supplemental Register, Sept. 6, 1951, Serial No. 586,352.

SWIVL-SNUFFA

For Combined Ash Tray, Snuffer, and Cigarette and Cigar Rest.
Claims use since Oct. 1, 1948.

554,839. (Class 46. Foods and Ingredients of Foods.) Martha Graf, Millersville, Pa. Original filed, act of 1946, Principal Register, Nov. 1, 1949; amended to application, Supplemental Register, Feb. 9, 1951, Serial No. 587,106.

Graf

For Candies.
Claims use since Nov. 30, 1948.

554,840. (Class 26. Measuring and Scientific Appliances.) Samuel Heller, Scarsdale, N. Y. Original filed, act of 1946, Principal Register, Mar. 25, 1950; amended to application, Supplemental Register, May 31, 1951, Serial No. 594,641.

DATARULE

For Electrical Apparatus Computer—Namely, an Instrument To Determine the Diameter, Weight and Resistance of Standard Annealed Bare Copper Wire and To Determine the Amperes, Horsepower, Kilowatts and Kilovolt-Amperes Alternating Current, and To Help Determine Electrical Requirements in the Manufacture, Maintenance and Servicing of Electrical Products and Equipment.
Claims use since Mar. 1, 1950.

554,841. (Class 2. Receptacles.) Ideal Novelty & Toy Co., Hollis, N. Y., now by change of name Ideal Toy Corporation, a corporation of New York. Original filed, act of 1946, Principal Register, Mar. 28, 1950; amended to application, Supplemental Register, May 11, 1951, Serial No. 594,774.

FEEDY BOAT

For Plastic Feeding Dish.
Claims use since Feb. 1, 1950.

554,842. (Class 46. Foods and Ingredients of Foods.) A. Sahadi and Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 5, 1950; amended to application, Supplemental Register, May 18, 1951, Serial No. 595,282.



The portrait is that of a fictitious person. The drawing is lined for blue, red, green and orange.
For Nut Candy.
Claims use since July 17, 1928.

554,843. (Class 32. Furniture and Upholstery.) Cooper Mattress Manufacturing Company, Columbus, Ga. Original filed, act of 1946, Principal Register, Apr. 24, 1950; amended to application, Supplemental Register, June 11, 1951, Serial No. 596,216.

COOPER'S Carlton

For Mattresses, Bed Springs, Box Springs, Sofa Beds, Couches and Pillows.
Claims use since Mar. 29, 1946.

554,844. (Class 32. Furniture and Upholstery.) Warsaw Furniture Manufacturing Corp., Warsaw, Ind. Original filed, act of 1946, Principal Register, May 4, 1950; amended to application, Supplemental Register, Mar. 24, 1951, Serial No. 596,888.



For Living Room Tables.
Claims use since Feb. 22, 1950.

554,845. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Trafford Fabrics, Inc., New York, N. Y., now by change of name Travis Fabrics, Inc. Original filed, act of 1946, Principal Register, June 29, 1950; amended to application, Supplemental Register, Mar. 23, 1951, Serial No. 599,994.

TRAVIS FABRICS

For Fabrics Made of Cotton and Synthetic Fibers Sold in the Piece.
Claims use since May 10, 1946.

554,846. (Class 46. Foods and Ingredients of Foods.) Francis George Crane, Jr., doing business under the name Crane & Crane, Brewster, Wash. Original filed, act of 1946, Principal Register, July 11, 1950; amended to application, Supplemental Register, Apr. 18, 1951, Serial No. 600,468.

CRANE'S BLUE LINE

The drawing is lined for orange, brown, yellow and blue.
For Fresh Apples.
Claims use since Sept. 9, 1947.

554,847. (Class 39. Clothing.) Jaco Pants, Inc., Atlanta, Ga. Original filed, act of 1946, Principal Register, July 19, 1950; amended to application, Supplemental Register, Nov. 14, 1951, Serial No. 600,892.

Fairchild

For Men's and Boys' Trousers, Slacks, Sport Shirts and Sport Jackets.
Claims use since May 26, 1950.

554,848. (Class 46. Foods and Ingredients of Foods.) Flotill Products, Incorporated, Stockton, Calif. Original filed, act of 1946, Principal Register, July 27, 1950; amended to application, Supplemental Register, Oct. 27, 1951, Serial No. 601,321.

Sak-Rin-Pak

For Dietic Line of Canned Fruits.
Claims use since June 13, 1950.

554,849. (Class 2. Receptacles.) American Artists' Color Works, Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Aug. 10, 1950; amended to application, Supplemental Register, Nov. 15, 1951, Serial No. 602,013.

Easel-Aide

For Wooden Boxes for the Carrying of Artists' Materials.
Claims use since Aug. 1, 1950.

554,850. (Class 51. Cosmetics and Toilet Preparations.) Campbell Products Co., Bensenville, Ill. Original filed, act of 1946, Principal Register, Aug. 17, 1950; amended to application, Supplemental Register, Sept. 7, 1951, Serial No. 602,305.

SHAVE-WHIP

The word "Shave" is disclaimed.
For Shaving Cream and Dispenser Sold as a Unit.
Claims use since July 19, 1950.

554,851. (Class 46. Foods and Ingredients of Foods.) Pacific Gamble Robinson Company, doing business as Gamble-Robinson Co., Seattle, Wash., and Minneapolis, Minn. Original filed, act of 1946, Principal Register, Aug. 22, 1950; amended to application, Supplemental Register, Nov. 17, 1951, Serial No. 602,566.

33

For Fresh Vegetables.
Claims use since June 23, 1950.

554,852. (Class 46. Foods and Ingredients of Foods.) Stevens Industries, Inc., doing business under the name and style of Cinderella Foods, Dawson, Ga. Original filed, act of 1946, Principal Register, Sept. 13, 1950; amended to application, Supplemental Register, Nov. 27, 1951, Serial No. 603,503.

WHATGOOD

For Peanut Butter.
Claims use since June 13, 1950.

554,853. (Class 8. Smokers' Articles Not Including Tobacco Products.) John Hudson Moore, Inc., New York, N. Y., now by merger The Lambert Company, a corporation of Delaware. Filed Oct. 19, 1950, Serial No. 605,172.

OLD ENGLAND

For Smokers' Pipes.
Claims use since July 2, 1930.

554,854. (Class 36. Musical Instruments and Supplies.) Rex Record Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 30, 1950; amended to application, Supplemental Register, Dec. 3, 1951, Serial No. 605,610.

RECORDS OF KNOWLEDGE

For Grooved Phonograph Records.
Claims use since Oct. 11, 1950.

554,855. (Class 32. Furniture and Upholstery.) Rose-Derry Company, Newton, Mass. Original filed, act of 1946, Principal Register, Nov. 4, 1950; amended to application, Supplemental Register, Sept. 26, 1951, Serial No. 605,918.

FOLD-A-CRIB

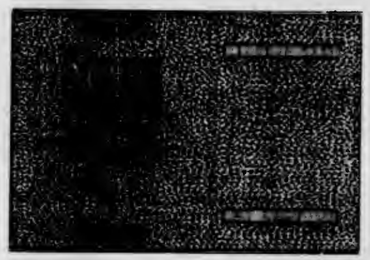
For Bassinets.
Claims use since Aug. 26, 1950.

554,856. (Class 6. Chemicals and Chemical Compositions.) The Hubinger Company, Keokuk, Iowa. Original filed, act of 1946, Principal Register, Nov. 10, 1950; amended to application, Supplemental Register, Nov. 30, 1951, Serial No. 606,220.



The drawing is lined for blue and yellow. Applicant claims ownership of Registrations Nos. 290,203, 289,514, and others.
For Laundry Starch.
Claims use since Aug. 30, 1950.

554,857. (Class 6. Chemicals and Chemical Compositions.) The Hubinger Company, Keokuk, Iowa. Original filed, act of 1946, Principal Register, Nov. 10, 1950; amended to application, Supplemental Register, Nov. 30, 1951, Serial No. 606,221.



The drawing is lined for red and yellow. Applicant claims ownership of Registrations Nos. 290,203, 289,514, and others.
For Laundry Starch.
Claims use since Sept. 15, 1950.

554,858. (Class 21. Electrical Apparatus, Machines, and Supplies.) Electro Manufacturing Corporation, Chicago, Ill. Original filed, act of 1946, Principal Register, Mar. 29, 1951; amended to application, Supplemental Register, Oct. 17, 1951, Serial No. 611,948.

TELE-LAMP

The word "Lamp" is disclaimed.
For Fluorescent Lighting Fixtures.
Claims use since Feb. 13, 1947.

554,859. (Class 21. Electrical Apparatus, Machines, and Supplies.) Acme Products Corporation, St. Joseph, Mo. Original filed, act of 1946, Principal Register, Mar. 30, 1951; amended to application, Supplemental Register, Sept. 7, 1951, Serial No. 611,991.

LURE-N-KILL

For Electronic Insect Killers.
Claims use since Apr. 15, 1950.

554,860. (Class 46. Foods and Ingredients of Foods.) Markets, Inc., San Leandro, Calif. Filed Aug. 4, 1951, Serial No. 617,350.
Applicant claims ownership of Registration No. 395,794.

HI CLASS

For Canned Dog Food.
Claims use since Apr. 14, 1941.

Service Mark

554,861. (Class 106. Material Treatment.) Putnam Finishing Company, Mechanicsville, Conn. Original filed, act of 1946, Principal Register, Oct. 1, 1947; amended to application, Supplemental Register, Sept. 21, 1951, Serial No. 536,447.

PUTNAM NON SLIP FINISH

The word "Finish" is disclaimed.
For Dyeing of Rayon, Silks and Acetates.
Claims use since July 1, 1937.

TRADE-MARK REGISTRATIONS RENEWED

37,504. "HUYLER'S" WITH BROKEN UNDERLINE. Registered Dec. 24, 1901. Huyler's, New York, Albany, and Buffalo, N. Y.; Boston, Mass.; Philadelphia, Pa.; Chicago, Ill.; Washington, D. C., etc. Re-renewed Dec. 24, 1951, to Huyler's, New York, N. Y., a corporation of New York. Candy and Confections of All Kinds, Chocolate, and Cocoa. Class 46.

82,921. "CHS" WITHIN TRIANGLE AND CIRCLE DESIGNS. Registered Aug. 1, 1911. Charles Hubert Smith, Shreveport, La. Re-renewed Aug. 1, 1951, to Charles Hubert Smith, Chicago, Ill. A Remedy for Liver Complaints, Biliousness, Headache, Etc. Class 18.

83,982. "DOMINO" AND DESIGN. Registered Oct. 31, 1911. Bradentown Citrus Growers Association, Bradentown, Fla. Re-renewed Oct. 31, 1951, to Domino Citrus Association, Bradenton, Fla., a corporation of Florida. Oranges, Lemons, Grape-Fruit, Limes, and Tangerines. Class 46.

84,081. CHAMBERLAIN'S. Registered Nov. 7, 1911. F. B. Chamberlain Company, St. Louis, Mo., a corporation of Illinois. Re-renewed Nov. 7, 1951. Flavoring Extracts, Buckwheat, Rye, Wheat and Graham Flour, Farina, Barley, Rolled Oats, Oatmeal. Class 46.

85,302. "TORNADO" AND DESIGN. Registered Feb. 6, 1912. Wester Bros. Re-renewed Feb. 6, 1952, to Herbert Wester, doing business as Wester Bros., New York, N. Y. Razors, Scissors, and Pocket Knives. Class 23.

85,349. "REMEDIO DE HIMROD" ETC. AND PORTRAIT. Registered Feb. 13, 1912. Himrod Man'f'g Co., New York, N. Y. Re-renewed Feb. 13, 1952, to Himrod Manufacturing Company, Hoboken, N. J., a corporation of Delaware. A Remedy for Asthma, Rose Cold, Etc. Class 18.

85,473. DICTOGRAPH. Registered Feb. 20, 1912. National Dictograph Co., New York, N. Y. Re-renewed Feb. 20, 1952, to Dictograph Products Company, Inc., Jamaica, N. Y., a corporation of Delaware. Telephonic Apparatus. Class 21.

85,691. SOHMER. Registered Mar. 5, 1912. Sohmer & Company. Re-renewed Mar. 5, 1952, to Sohmer & Co. Inc., New York, N. Y., a corporation of New York. Pianos. Class 36.

86,118. HIGH GRADE. Registered Apr. 16, 1912. Annin & Co., New York, N. Y., a corporation of New York. Re-renewed Apr. 16, 1952. Bunting. Class 42.

266,692. "THE FASTASLEEP" ETC. AND DRAWING. Registered Jan. 28, 1930. Columbia Feather Company. Renewed Jan. 28, 1950, to The Columbia Bedding Company, Chicago, Ill., a corporation of Illinois. Pillows. Class 32.

279,235. "IL GALLO" ETC. AND DRAWING. Registered Jan. 13, 1931. Frugone & Preve. Renewed Jan. 13, 1951, to Ditta Frugone & Preve S. p. A., Geneva, Italy, a limited company organized under the laws of Italy. Rice. Class 46.

283,927. TUBORG. Registered June 9, 1931. Aktieselskabet de Forenede Bryggerier, Copenhagen, Denmark, a joint stock company organized under the laws of Denmark. Renewed June 9, 1951. Cereal Malt Beverages Containing Less Than One-Half of One Per Cent Alcohol by Volume. Class 48.

284,263. DYNAMIC. Registered June 23, 1931. Daisy Battery Corp. Renewed June 23, 1951, to United States Electric Mfg. Corp., New York, N. Y., a corporation of New York. Electric Batteries. Class 21.

287,399. COPRAL. Registered Sept. 22, 1931. Brewer & Company, Inc., Worcester, Mass., a corporation of Massachusetts. Renewed Sept. 22, 1951. General Tonic. Class 18.

288,338. LUFAX. Registered Oct. 27, 1931. Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware. Renewed Oct. 27, 1951. Opacifying Materials for Use in Vitreous Enamels. Class 16.

288,356. "ST. MARTIN" ETC. AND DRAWING. Registered Oct. 27, 1931. St. Martin Preserving Company Limited, London, England. Renewed Oct. 27, 1951, to St. Martin Preserving Co. Limited, Maidenhead, Berkshire, England, a limited liability company registered under the laws of Great Britain. Jams, Marmalades, Preserves (for Food), Christmas Pudding, Etc. Class 46.

288,457. REPRESENTATION OF BRUSH HANDLE WITH DIAGONAL BLUE STRIPE AROUND HANDLE. Registered Oct. 27, 1931. Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Oct. 27, 1951. Painters' Brushes. Class 29.

288,762. "TOBASCO" ETC. AND REPRESENTATION OF CARTON LINED FOR RED AND GREEN. Registered Nov. 3, 1931. McIlhenny Company, New Iberia, La., a corporation of Maine. Renewed Nov. 3, 1951. Pepper Sauce. Class 46.

288,763. SIREN. Registered Nov. 3, 1931. Siren Mills Corporation, Chicago, Ill. Renewed Nov. 3, 1951, to Nestle's Chocolate Company, Inc., New York, N. Y., a corporation of New York. Prepared Chocolate Syrups, Chocolate Ice Cream Coating, Chocolate Candy Coating, and Chocolate Bars. Class 46.

288,821. "TEL-ROLL" AND DESIGN. Registered Nov. 3, 1931. Tell City Chair Company, Tell City, Ind., a corporation of Indiana. Renewed Nov. 3, 1951. Chairs. Class 32.

289,141. ITEM PRESS. Registered Nov. 17, 1931. Wakefield Item Company, Wakefield, Mass., a corporation of Massachusetts. Renewed Nov. 17, 1951. Pamphlets, Timetables, Whist Scores, and Printed Forms and Booklets Issued From Time to Time. Class 38.

288,945. WAKEFIELD DAILY ITEM. Registered Nov. 10, 1931. Wakefield Item Company, Wakefield, Mass., a corporation of Massachusetts. Renewed Nov. 10, 1951. Newspaper Published Daily Except Sundays and Legal Holidays. Class 38.

289,029. "G" WITHIN DIAMOND-SHAPED DESIGN. Registered Nov. 17, 1931. Grayson Heat Control, Inc., Lynwood, Calif. Renewed Nov. 17, 1951, to Robertshaw-Fulton Controls Company, Greensburg, Pa., a corporation of Delaware. Thermostatically Controlled Gas Valves. Class 26.

289,205. BOLSTERETTES. Registered Nov. 24, 1931. New England Confectionery Company, Cambridge, Mass., a corporation of Massachusetts. Renewed Nov. 24, 1951. Candy. Class 46.

289,322. "CRAB ORCHARD QUARTZITE" AND DRAWING. Registered Nov. 24, 1931. Crab Orchard Stone Co., Inc. Renewed Nov. 24, 1951, to Bessie B. Oman, executrix of the estate of John Oman, Jr., deceased, doing business as Oman Construction Co., Nashville, Tenn. Quartzite as Taken From the Quarries. Class 1.

289,360. CASCO. Registered Nov. 24, 1931. Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut. Renewed Nov. 24, 1951. Fender Guides for Motor Vehicles. Class 19.

289,497. SUPREX. Registered Dec. 1, 1931. J. M. Huber Inc., Bayonne, N. J., and New York, N. Y. Renewed Dec 1, 1951, to J. M. Huber Corporation, New York, N. Y., a corporation of New Jersey. Pigments and Fillers for Rubber, Paper, Paint, Printing Ink, and Carbon Paper. Class 6.

289,520. PILOT. Registered Dec. 1, 1931. Pilot Radio & Tube Corporation, Lawrence, Mass. Renewed Dec. 1, 1951, to Pilot Radio Corporation, Long Island City, N. Y., a corporation of New York. Cabinets for Radio Receivers and Cabinets for Combination Radio Receivers and Phonographs. Class 32.

289,776. PILOT. Registered Dec. 8, 1931. Pilot Radio & Tube Corporation, Lawrence, Mass. Renewed Dec. 8, 1951, to Pilot Radio Corportion, Long Island City, N. Y., a corporation of New York. Phonographs Adapted for Combination With Radio Receiving Sets. Class 36.

289,782. PEANUT TREAT. Registered Dec. 8, 1931. New England Confectionery Company, Cambridge, Mass., a corporation of Massachusetts. Renewed Dec. 8, 1951. Candy. Class 46.

290,022. "MARINELLO" AND DRAWING. Registered Dec. 22, 1931. Marinello Company. Renewed Dec. 22, 1951, to Sales Affiliates, Inc., New York, N. Y., a corporation of New York. Tissue Cream. Class 51.

290,097. PDM. Registered Dec. 22, 1931. Phelps Dodge Corporation, New York, N. Y., a corporation of New York. Renewed Dec. 22, 1951. Copper Castings—Namely, Ingots, Ingot Bars, Cakes, Sheets, Bars, Etc. Class 14.

290,209. "McKESSON'S" WITH HEAVY UNDERLINE. Registered Dec. 22, 1931. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Dec. 22, 1951, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Petroleum Products or Preparations Containing Them for Medicinal Purposes, Etc. Class 51.

290,374. NECCO. Registered Jan. 5, 1932. New England Confectionery Company, Cambridge, Mass., a corporation of Massachusetts. Renewed Jan. 5, 1952. Chewing Gum. Class 46.

290,396. NESTRITE. Registered Jan. 5, 1932. Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware. Renewed Jan. 5, 1952. Receptacles—Namely, Paper Containers in the General Nature of Paper Cans. Class 2.

290,529. HER MAJESTY. Registered Jan. 5, 1932. International Silver Company. Renewed Jan. 5, 1952, to The International Silver Company, Meriden, Conn., a corporation of Connecticut. Sterling Silver and Silver-Plated Flat-Ware, Hollow-Ware, and Toilet-Ware. Class 28.

290,571. "UNI 1 PASS" AND REPRESENTATION OF ARROW. Registered Jan. 12, 1932. S. F. Bowser & Company, Inc. Renewed Jan. 12, 1952, to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana. Oil Purifying and Reclaiming Apparatus for Reclaiming, Purifying, and Filtering Oils Used in Connection With Electrical Apparatus, Etc. Class 31.

290,577. HESIONE. Registered Jan. 12, 1932. J. B. Martin Company, Norwich, Conn. Renewed Jan. 12, 1952, to Martin Fabrics Corporation, New York, N. Y., a corporation of New York. Pile Fabrics in the Piece. Class 42.

290,629. MODEX. Registered Jan. 12, 1932. The Reardon Company, St. Louis, Mo., a corporation of Missouri. Renewed Jan. 12, 1952. Paints in Dry Form To Be Mixed With Water or Water and Oil. Class 16.

290,681. CARNAC PERMAFIT. Registered Jan. 12, 1932. Carnac Cottons, Inc. Renewed Jan. 12, 1952, to Carnac, Inc., New York, N. Y., a corporation of Delaware. Cotton Piece Goods. Class 42.

290,682. "PERMAFIT" AND DESIGN. Registered Jan. 12, 1932. Carnac Cottons, Inc. Renewed Jan. 12, 1952, to Carnac, Inc., New York, N. Y., a corporation of Delaware. Cotton Piece Goods. Class 42.

290,950. "LCC" AND DRAWING LINED FOR PURPLE AND BLUE. Registered Jan. 19, 1932. The Lancashire Cotton Corporation Limited, Manchester, England, a corporation organized under the laws of Great Britain. Renewed Jan. 19, 1952. Cotton Yarns and Sewing Cotton. Class 43.

291,007. "KREST BRAND" ETC. AND DESIGN. Registered Jan. 26, 1932. Kresge Department Store Corp. Renewed Jan. 26, 1952, to Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey. Liquid Dry Cleaner, Shaving Cream, Shoe Polish, Washing Compound, and Steel Wool. Class 4.

291,010. BRILLO. Registered Jan. 26, 1932. Brillo Manufacturing Company, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Jan. 26, 1952. Metal Fibre for Padding, Filling, Lining, Stuffing, and Wadding Purposes. Class 14.

291,118. SPEEDEX. Registered Jan. 26, 1932. Toch Brothers, Inc., New York, N. Y. Renewed Jan. 26, 1952, to Toch Brothers, Incorporated, Staten Island, N. Y., a corporation of New York. Ready-Mixed Paint and Paint Enamel. Class 16.

291,220. CHUBBY. Registered Feb. 2, 1932. Cussons, Sons & Company, Limited, Kersal, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Feb. 2, 1952. Shaving Soap. Class 51.

291,303. "WIG N' WAG" AND DRAWING. Registered Feb. 9, 1932. Kalamazoo Vegetable Parchment Company, Parchment, Mich. Renewed Feb. 9, 1952, to Western Tablet & Stationery Corporation, Dayton, Ohio, a corporation of Delaware. Stationery—Namely, Note Book Paper, Typewriter Paper, Examination Paper, and Drawing Paper. Class 37.

291,304. "RED-BAR" AND DESIGN. Registered Feb. 9, 1932. Kalamazoo Vegetable Parchment Company, Parchment, Mich. Renewed Feb. 9, 1952, to Western Tablet & Stationery Corporation, Dayton, Ohio, a corporation of Delaware. Stationery—Namely, Note Book Paper, Typewriter Paper, Examination Paper, and Drawing Paper. Class 37.

291,599. BOULEVARD. Registered Feb. 23, 1932. L. Maxcy, Inc., Frostproof, Fla., a corporation of Florida. Renewed Feb. 23, 1952. Fresh Citrus Fruits. Class 46.

291,635. "JUAN". Registered Feb. 23, 1932. F. R. Tripler & Co. Inc., New York, N. Y., a corporation of New York. Renewed Feb. 23, 1952. Knitted Jersey Shirts for Men and Young Men. Class 39.

291,756. SECRET SERVICE. Registered Feb. 23, 1932. Master Lock Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed Feb. 23, 1952. Padlocks. Class 25.

292,008. DOWNIES DE LUXE. Registered Mar. 1, 1932. Diana Manufacturing Company, Green Bay, Wis., a corporation of Wisconsin. Renewed Mar. 1, 1952. Sanitary Pads. Class 44.

292,069. "MAYFAIR" ETC. AND DRAWING. Registered Mar. 1, 1932. Waggener Paint Company, North Kansas City, Mo., a corporation of Missouri. Renewed Mar. 1, 1952. Varnishes, Paint Enamels, Lacquers, Calcimine, Prepared Shellac; Acid, Etc. Class 16.

292,165. "M" WITHIN CIRCLE DESIGN. Registered Mar. 1, 1932. Moore Drop Forging Company, Springfield, Mass., a corporation of Massachusetts. Renewed Mar. 1, 1952. Brass, Copper, Nitralloy, Iron, and Steel Forgings and Stampings. Class 14.

292,326. "FENIMORE" AND DESIGN LINED FOR GREEN. Registered Mar. 15, 1932. The Lamport Mfg. Supply Co., Inc. Renewed Mar. 15, 1952, to The Lamport Company, Inc., New York, N. Y., a corporation of New York. Bleached and Unbleached Piece Goods for Sheets and Pillow Cases, Made of Linen and Cotton Fabric. Class 42.

292,416. ABOVE PAR. Registered Mar. 15, 1932. Tiedemann & McMorran. Renewed Mar. 15, 1952, to Tiedemann & McMorran, Inc., San Francisco, Calif., a corporation of California. Canned Fruits, Canned Vegetables, Dried Fruits, Fresh Vegetables, Fresh Berries, Etc. Class 46.

292,419. GOLDEN STAR. Registered Mar. 15, 1932. California Canning Peach Growers, San Francisco, Calif. Renewed Mar. 15, 1952, to Salinas Valley Vegetable Exchange, Salinas, Calif., a co-partnership. Canned Fruit, Canned Vegetables, Catsup, Canned Tomato Paste. Class 46.

292,434. FOLLUTEIN. Registered Mar. 15, 1932. E. R. Squibb & Sons, New York, N. Y., a corporation of New York. Renewed Mar. 15, 1952. Preparations for Use in Dysfunctions of the Anterior Pituitary Gland. Class 18.

292,684. VARSITY VOGUES. Registered Mar. 22, 1932. Brown Shoe Company, Inc., St. Louis, Mo., a corporation of New York. Renewed Mar. 22, 1952. Shoes Made of Leather, Cloth, Canvas, or Combinations Thereof. Class 39.

292,692. WINNER. Registered Mar. 22, 1932. The Carter's Ink Company, Cambridge, Mass., a corporation of Massachusetts. Renewed Mar. 22, 1952. Mucilage and adhesive paste. Class 5.

292,893. REPRESENTATION OF LION, ETC. Registered Mar. 29, 1932. Master Lock Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed Mar. 29, 1952. Keys. Class 25.

292,921. BORE-MATIC. Registered Mar. 29, 1932. The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts. Renewed Mar. 29, 1952. Machines for the Precision Finishing of Holes or Bores in Parts of Metal, Fiber, and Like Materials. Class 23.

292,927. TOOTSIE POPS. Registered Mar. 29, 1932. Sweets Company of America, Inc., New York, N. Y. Renewed Mar. 29, 1952, to The Sweets Company of America, Incorporated (also known as The Sweets Company of America, Inc.), Hoboken, N. J., a corporation of Virginia. Candy. Class 46.

293,021. "OLD COLONY" AND DESIGN. Registered Apr. 5, 1932. North American Paint & Chemical Co. Ltd. Renewed Apr. 5, 1952, to Old Colony Paint & Chemical Co., Los Angeles, Calif., a corporation of Nevada. Ready-Mixed Cold Water and Paste Paints, Etc. Class 16.

293,139. "AVIATION" ETC. AND REPRESENTATION OF AIRPLANE. Registered Apr. 12, 1932. Leas & McVitty, Inc., Philadelphia, Pa., a corporation of Delaware. Renewed Apr. 12, 1952. Leather. Class 1.

293,136. TALCO. Registered Apr. 12, 1932. The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Renewed Apr. 12, 1952. Scratch Feed, Egg Mash, Chick Starter, Growing Mash, and Chick Feed. Class 46.

293,144. DAILY-EGG. Registered Apr. 12, 1932. The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Renewed Apr. 12, 1952. Scratch Feed and Mash. Class 46.

293,145. DAILY GROWTH. Registered Apr. 12, 1932. The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Renewed Apr. 12, 1952. Chick Starter, Growing Mash, and Chick Feed. Class 46.

293,178. VOLLRATH WARE. Registered Apr. 12, 1932. The Vollrath Co., Sheboygan, Wis., a corporation of Wisconsin. Renewed Apr. 12, 1952. Stainless Steel Bowls, Refrigerator Dishes, Vegetable Inserts, Covers, Pans, and Trays. Class 13.

293,190. "NA-MO-LAC" AND DESIGN. Registered Apr. 12, 1932. North American Paint & Chemical Co. Ltd. Renewed Apr. 12, 1952, to Old Colony Paint & Chemical Co., Los Angeles, Calif., a corporation of Nevada. Paint Enamels. Class 16.

TRADE-MARK REGISTRATIONS CANCELED AND SURRENDERED

265,177. "LOG CABIN DONUTS" AND REPRESENTATION OF LOG CABIN. Registered Dec. 17, 1929. Joe Lowe Corporation, Brooklyn, N. Y. Doughnuts. Class 46. Canceled Dec. 7, 1951. (Sec. 18.)

321,355. VACOLITER. Registered Jan. 29, 1935. Don Baxter, Inc., Glendale, Calif. Intravenous Solutions, More Specifically Solutions of Dextrose in Distilled Water, Etc. Class 18 (formerly Class 6). Canceled Dec. 6, 1951. (Sec. 7(d).)

321,839. JIFFY. Registered Feb. 19, 1935. Nicholas Abrams, Chicago, Ill. Carpet Sweepers. Class 23. Canceled Jan. 5, 1952. (Canc. No. 5686.)

335,298. SIDEWALK SUNDAE. Registered June 2, 1936. Vogt Processes, Incorporated, Louisville, Ky. Frozen Confections. Class 46. Canceled Jan. 5, 1952. (Canc. No. 5699.)

345,233. SEA TANG OYSTER CO. Registered Apr. 20, 1937. Hans Mey, doing business as Sea Tang Oyster Co., New York, N. Y. Fresh Oysters and Fresh Clams. Class 46. Canceled Nov. 23, 1951. (Canc. No. 5599.)

366,013. "PROGRESS WITH A SMILE" AND DESIGN. Registered Mar. 28, 1939. John Comas, New York, N. Y. Candy, Bread, Canned Fruits and Vegetables, Fresh Fish, Coffee, Etc. Class 46. Canceled Jan. 5, 1952. (Canc. No. 5744.)

373,054. TERRIER. Registered Nov. 21, 1939. Marvin Selbert Baus, doing business as Baus Manufacturing Company, Hopkinsville, Ky. Work Gloves. Class 39. Canceled Jan. 5, 1952. (Canc. No. 5522.)

408,153. SPIN-DRY. Registered July 18, 1944. Automatic Washer Company, Newton, Iowa. Domestic Laundry Machines Wherein Both Washing and Rinsing Operations Are Performed. Class 24. Canceled Jan. 9, 1952. (Sec. 37.)

437,839. VACOLITER. Registered Mar. 30, 1948. Don Baxter, Inc., Glendale, Calif. Container Dispenser for Intravenous Solutions, Equipment for Conducting Fluids to or From a Container and a Patient, and Tubing for Conducting Fluids to or From a container and a Patient. Class 44. Canceled Dec. 6, 1951. (Sec. 7(d).)

500,037. VACOLITER. Registered Apr. 6, 1948. Don Baxter, Inc., Glendale, Calif. Booklets. Class 38. Canceled Dec. 6, 1951. (Sec. 7(d).)

514,598. ELC. Registered Aug. 30, 1949. Armco Steel Corporation, Middletown, Ohio. Stainless Steel and Chromium Steel Sheets. Class 14. Canceled Jan. 8, 1952. (Sec. 7(d).)

521,033. "LOVE KEEP" AND DESIGN. Registered Feb. 14, 1950. Jenkins & Sons, Inc., Jacksonville, Fla. Diamond Finger Rings. Class 28. Canceled Jan. 8, 1952. (Sec. 7(d).)

524,203. "POLE STAR" AND DESIGN. Registered Apr. 18, 1950. Jack N. Beenstock, trading as Standard Kiddies Sportswear, Brooklyn, N. Y. Children's Snow Suits. Class 39. Canceled Jan. 5, 1952. (Canc. No. 5736.)

527,040. SUB-TEEN. Registered June 27, 1950. Sally Mason, New York, N. Y. Girls' and Misses' Blouses, Dresses, Jumpers, Pinafores, Jackets, Playsuits and Slacks. Class 39. Canceled Jan. 5, 1952. (Canc. No. 5638.)

537,578. CLOVER FARM. Registered Feb. 13, 1951. Clover Farm Stores Corporation, doing business under the name Clover Farm Stores, Cleveland, Ohio. Razor Blades, Paper Spoons, Paper Forks, Etc. Class 23. Canceled Dec. 12, 1951. (Sec. 7(d).)

543,408. CROMBIE. Registered June 5, 1951. J. & J. Crombie, Limited, Woodside, Aberdeen, Scotland. Woolen and Worsted Piece Goods. Class 42. Canceled Dec. 6, 1951. (Sec. 7(d).)

547,794. PERSPRAY. Registered Sept. 11, 1951. Carter Products, Inc., New York, N. Y. Depilatory. Class 51. Canceled Jan. 11, 1952. (Sec. 7(d).)

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

236,795. "PRESTO" AND DESIGN. Registered Dec. 20, 1927. Presto Products Co., New York, N. Y. Attachment Plugs, Electric Sadirons, Electric Sadiron Elements, Radiant Heating Coils, Etc. Class 21. Amended as follows: In the statement, line 9, "electric sadirons," is deleted.

397,165. WESTERN HOLLY. Registered Aug. 25, 1942. Western Stove Co. Inc., Culver City, Calif. Gas and Electric Space Heaters, Both Portable and Built In: Gas and Electric Ranges for Cooking Purposes, Etc. Class 34. Amended as follows: In the statement the description of goods with the exception of "gas and electric ranges for cooking purposes," is deleted.

518,629. SHALI-MART. Registered Dec. 13, 1949. Garden of the Setting Sun, Inc., also doing business as Edna Cast's Garden of the Setting Sun, Mecca, Calif. Fresh Dates, Brandied Dates, Date Butter, Dates and Nuts, Date Nut Spread, Etc. Class 46. Amended as follows: In the statement, lines 11 and 12, "and assorted date candies," is deleted.

550,727. "MOREHOUSE" AND PENNANT. Registered Nov. 13, 1951. Morehouse Industries, Los Angeles, Calif. Industrial Grinding Mills, Mixers, and Parts Thereof for Grinding, Etc. Class 23. Corrected as follows: In the statement, second column, line 10, after "July 5, 1946." insert the following paragraphs:

The name "MOREHOUSE" of the trade-mark was separately first used in applicant's business and in the business of its predecessors in interest in 1938 and first used in commerce among the several States which may lawfully be regulated by Congress in 1938; and was first used in conjunction with the "pennant" in 1948 and first used in commerce among the several States which may lawfully be regulated by Congress in 1948.

The name "MOREHOUSE" of the mark is claimed to have become distinctive of the applicant's goods in commerce which may lawfully be regulated by Congress through substantially exclusive and continuous use thereof as a mark by the applicant in commerce among the several States for the five years next preceding the date of the filing of this application.

Applicant is the owner of Trade-Mark Registrations No. 225,297 registered March 15, 1927, and No. 508,693 registered April 19, 1949.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

289,229. "GOLD BAND" AND DESIGN. Registered Nov. 24, 1931. Renewed Nov. 24, 1951. Collin County Mill & Elevator Co. Poultry and Stock Feed. Class 46. New certificate under section 7(c) issued Feb. 12, 1952, to Burrus Mills, Incorporated, Dallas, Tex., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 410,354. Registered Nov. 21, 1944. (Classified in Class 52.) The Martin-Dennis Company, Newark, N. J. Republished by Frederick C. Bersworth, Framingham, Mass.

VERSENE

For Water Softening Agents in Powdered and Liquid Form With or Without Detergents.
Claims use since October 1937.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 440,983. Registered Oct. 12, 1948. Davis Paint Co., Kansas City, Mo., a corporation of Missouri. Republished by registrant, present address North Kansas City, Mo.

DA-SPAR

The term "Spar" is disclaimed apart from the mark as shown.
For Varnish.
Claims use since April 1932.

Reg. No. 441,558. Registered Dec. 7, 1948. New Method Paint Co., Kansas City, Mo., a corporation of Missouri. Republished by registrant, present address North Kansas City, Mo.

STARSPAR

For Varnish and Paint Enamel.
Claims use since February 1939.

Reg. No. 442,115. Registered Feb. 22, 1949. New Method Paint Co., Kansas City, Mo., a corporation of Missouri. Republished by registrant, present address North Kansas City, Mo.

PEB-O-LAC

The term "Lac" is disclaimed apart from the mark as shown.
For Ready Mixed Oil Paint, Varnish, and Paint Enamel.
Claims use since August 1932.

Reg. No. 444,135. Registered Aug. 8, 1950. Davis Paint Co., Kansas City, Mo., a corporation of Missouri. Republished by registrant, present address North Kansas City, Mo.

DA-TEX

For Ready Mixed Oil Paint.
Claims use since January 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 293,596. Registered May 3, 1932. Weaver Manufacturing Company, Springfield, Ill., a corporation of Illinois. Republished by registrant.

SAFETY LANE

For Automobile Testing Appliances—Namely, Brake Testers, Wheel-Alignment Indicators, and Headlight Testers.
Claims use since October 1929.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 83,371. Registered Sept. 5, 1911. The Starr Piano Company, Richmond, Ind. Republished by The Starr Piano Company, Inc., Richmond, Ind., a corporation of Indiana.

Starr

For Pianos, Either With or Without Automatic Player Mechanism.
Claims use since 1892.

CLASS 37

PAPER AND STATIONERY

Reg. No. 377,295. Registered Apr. 30, 1940. Majestic Paper Corporation, New York, N. Y. Republished by Keith Paper Company, Turners Falls, Montague, Mass., a corporation of Massachusetts.

FRATERNAL BOND

The word "Bond" is disclaimed apart from the mark as shown.
For Writing and Typewriter Paper.
Claims use since Mar. 15, 1939.

Reg. No. 381,571. Registered Oct. 1, 1940. Majestic Paper Corporation, New York, N. Y. Republished by Keith Paper Company, Turners Falls, Montague, Mass., a corporation of Massachusetts.

TRADE UNION BOND

The word "Bond" is disclaimed apart from the mark as shown.
For Writing and Typewriting Paper.
Claims use since Mar. 8, 1939.

Reg. No. 381,782. Registered Oct. 8, 1940. Majestic Paper Corporation, New York, N. Y. Republished by Keith Paper Company, Turners Falls, Montague, Mass., a corporation of Massachusetts.

CENTRAL TRADES BOND

The word "Bond" is disclaimed apart from the mark as shown.
For Writing and Typewriting Paper.
Claims use since Mar. 20, 1939.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 353,244. Registered Dec. 28, 1937. Wm. Douglas McAdams, doing business as Thompson Publishing Company, New York, N. Y. Republished by registrant.

DRUG INDEX

For Publications for the Drug Trade Published Periodically.
Claims use since Feb. 27, 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 261,487. Registered Sept. 17, 1929. John Morris, Jr., Harlingen, Tex. Republished by Annie Morris Jackson, Ann Morris, and John Milton Morris, heirs-at-law to the estate of John Morris, Jr. (deceased), Harlingen, Tex.



The drawing is lined for yellow.
For Fresh Vegetables.
Claims use since May 18, 1928.

Reg. No. 263,569. Registered Nov. 5, 1929. Simons, Shuttleworth & French Company, Inc., New York, N. Y. Republished by Simons & French Company, Incorporated, New York, N. Y., and Sacramento, Calif., a corporation of New York.

FIFTH AVENUE

For Fresh Deciduous Fruits.
Claims use since Feb. 7, 1929.

Reg. No. 277,873. Registered Dec. 2, 1930. Simons, Shuttleworth & French Company, Sacramento, Calif., by change of name Simons & French Company, Incorporated. Republished by Simons & French Company, Incorporated, New York, N. Y., and Sacramento, Calif., a corporation of New York.

MAIN STREET

For Fresh Citrus Fruits, Fresh Deciduous Fruits, Fresh Vegetables.
Claims use since June 2, 1929.

Reg. No. 289,071. Registered Nov. 17, 1931. Simons & French Company, Incorporated, New York, N. Y., a corporation of New York. Republished by registrant, present address Sacramento, Calif., and New York, N. Y.

GOLD-PAN

For Fresh Vegetables, Fresh Deciduous Fruits, Fresh Citrus Fruits.
Claims use since Apr. 30, 1931.

Reg. No. 328,120. Registered Sept. 17, 1935. Simons & French Company, Incorporated, New York, N. Y., and Sacramento, Calif., a corporation of New York. Republished by registrant.

GOLDEN GARDEN

For Fresh Vegetables, Fresh Deciduous Fruits.
Claims use since June 14, 1931.

Reg. No. 392,991. Registered Jan. 20, 1942. H. H. Titcomb, Concord, Calif. Republished by Simons & French Company, Incorporated, Sacramento, Calif., and New York, N. Y., a corporation of New York.



The words "California Pears" and the outline of a label are disclaimed apart from the mark as shown.
For Fresh Deciduous Fruits—Namely, Pears.
Claims use since July 1930.

Reg. No. 424,033. Registered Sept. 17, 1946. Simons & French Company, Incorporated, Sacramento, Calif., and New York, N. Y., a corporation of New York. Republished by registrant.

LAKE-KIST

For Fresh Deciduous Fruits—Namely, Pears.
Claims use since Apr. 14, 1925.

Reg. No. 427,271. Registered Feb. 4, 1947. Simons & French Company, Incorporated, Sacramento, Calif., and New York, N. Y., a corporation of New York. Republished by registrant.

SILVER CREST

For Fresh Deciduous Fruits—Namely, Pears.
Claims use since August 1924.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 410,354. Registered Nov. 21, 1944. The Martin-Dennis Company, Newark, N. J. Republished by Frederick C. Bersworth, Framingham, Mass.

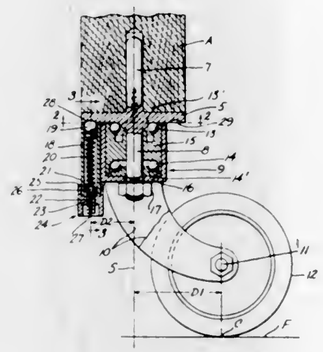
VERSENE

For Water Softening Agents in Powdered and Liquid Form With or Without Detergents.
Claims use since October 1937.

REISSUES

FEBRUARY 12, 1952

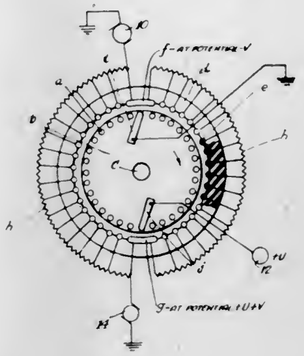
23,459
CASTER
Abraham M. Budnick and Nels O. Berg, Seattle, Wash.
Original No. 2,505,852, dated May 2, 1950, Serial No. 37,204, July 6, 1948. Application for reissue April 19, 1951, Serial No. 221,772
5 Claims. (Cl. 16—35)



2. A caster unit including a plate adapted to be secured to a piece of furniture, pivot means defining an axis fixed relative to said plate, disposed beneath and carried by said plate, a member disposed beneath said plate and rotatable about the fixed axis of said pivot means, a yoke depending from said member and extending laterally from the pivot's axis, a caster wheel supported by said yoke with its axis disposed eccentrically of said pivot's axis, and a spring-pressed detent carried by said member eccentrically of the pivot's axis and engaging the underside of said plate, said plate having a socket similarly located eccentrically of the pivot's axis to receive said detent for locating and holding said yoke against involuntary swiveling relative to said plate.

23,460
ELECTROSTATIC MACHINE
Noël Felici, Grenoble, France, assignor to Centre National de la Recherche Scientifique, Paris, France, a corporation of France
Original No. 2,542,494, dated February 20, 1951, Serial No. 15,070, March 16, 1948. Application for reissue November 21, 1951, Serial No. 257,441. In France March 21, 1947
19 Claims. (Cl. 171—329)

1. An electrostatic machine with movable conductive conveyor members influenced electrically on both sides by stationary conductive inductor members, in which said movable members are formed of elongated conducting bars having a cross section of continuously convex outline transverse to the length thereof and insulated from one another and the longitudinal axis of which is perpendicular to the direction of their displacement, the thickness of each bar measured between two planes tangent to said bar and parallel to the direction of displacement of the bar being substantially equal to twice the distance



between a bar and the stationary members influencing the same.

23,461
GUIDE FOR DRAWERS OR SHELVES
Nathan A. Gussack, New York, N. Y., assignor to Grant Pulley & Hardware Co., Flushing, N. Y., a firm
Original No. 2,534,350, dated December 19,1950, Serial No. 746,000, May 5, 1947. Application for reissue May 15, 1951, Serial No. 226,501
4 Claims. (Cl. 308—3.8)



4. A slide support comprising an elongated channel member provided with opposed longitudinal ball-race grooves, a carriage slidably mounted within said channel member, a track member insertable within said carriage and slidable relative to said carriage and said channel member, said track member having longitudinal ball track grooves on the upper and lower surfaces thereof, and which are aligned with said ball-race grooves, said carriage having longitudinal portions between which said track member is located, said carriage portion having ball receiving perforations therethrough, balls rotatably disposed between respective pairs of said ball-race grooves and ball-track grooves, said balls being rotatably disposed within the perforations of said carriage and abutting said ball-race grooves and said ball-track grooves, spring means on one of said carriage portions located between the perforations thereof, and means for anchoring a portion of said spring means to said carriage portion, another portion of said spring means resiliently bearing against one of said members.

23,462
ASPHALT EMULSION FOR TREATMENT OF COAL AND METHOD OF PREPARING THE SAME

Charles R. Rosencranse, Pittsburg, Kans., assignor of fifty per cent to Joe F. Klaner, Jr., Pittsburg, Kans.

No Drawing. Original No. 2,431,891, dated December 2, 1947, Serial No. 527,482, March 21, 1944. Application for reissue August 17, 1950, Serial No. 180,091

6 Claims. (Cl. 106—277)

5. An asphaltic coal coating composition consisting of a colloidal emulsion of blown asphalt of a type characterized before [the] blowing by [low] *high* penetration and [high] *low* melting point and run into the intake of a colloidal mill after being preheated to a temperature of about 300° F., simultaneously with an approximately equal amount by volume of an aqueous dispersion at a temperature of about 180° F. containing water 95.04%, a substantially petroleum hydrocarbon insoluble pine wood resin substantially free from rosin 3.0%, bentonite clay 1.4%, tall oil 0.10%, and caustic soda 0.46% and then rapidly reduced to a temperature of about 150° F.

PLANT PATENTS

GRANTED FEBRUARY 12, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,072
GARDENIA PLANT

Melvin O. Ahrens, Crystal Lake, Ill.

Application March 10, 1950, Serial No. 148,980

1 Claim. (Cl. 47—60)

The new and useful variety of gardenia plant substantially as herein shown and described, characterized particularly by its slow but very heavy growth; its stocky and bushy appearance; its broad, dark green leaves, with exceptionally rounded extremities; its short, thick, rounded buds which unfold like a rose; its very full blooms of light creamy white resembling an open rose; its large, reflexed, very heavy petals of extreme substance having a waxed appearance and a green strip on the left under side, which strip fades upon maturity; the large number of petals in the blooms, particularly at the center thereof; the highly symmetrical and closely spaced distribution of the petals; and its sweet and gentle fragrance similar to that of the wild variety of Cape jasmine.

1,073
EUONYMUS FORTUNEI PLANT

Clifford D. Corliss, Gloucester, Mass., assignor to Corliss Bros., Inc., Gloucester, Mass., a corporation of Massachusetts

Application March 13, 1950, Serial No. 149,245

1 Claim. (Cl. 47—59)

The new and distinct variety of evergreen *Euonymus fortunei* plant, with combination of features substantially as herein shown and described, characterized particularly by its growth in upright, shapely bush form, growing from a central stem without support or shearing; its dwarf, compact, almost as broad as tall shape; the ovate to lanceolate shape of its bud; its extreme hardiness, disease resistance and ability to withstand very dry conditions; and the total absence of flowers and berries on all plants grown to date.

1,074
CAMELLIA PLANT

Toichi Domoto, Hayward, Calif.

Application October 19, 1950, Serial No. 190,957

1 Claim. (Cl. 47—60)

A new and distinct variety of Camellia japonica plant characterized by the fimbriated petals of its flowers, substantially as shown and described.

PATENTS

GRANTED FEBRUARY 12, 1952

2,584,968
COPOLYMERS OF METHACRYLANILIDE WITH HIGHER ALKYL ACRYLIC ESTERS

Willard E. Catlin, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 24, 1950, Serial No. 170,271

4 Claims. (Cl. 260—86.1)

1. A copolymer of methacrylanilide and an alkyl ester of an acid from the group consisting of acrylic and methacrylic acids, the alkyl group in said esters containing from 8 to 18 carbon atoms, inclusive, with at least 8 of said carbon atoms being in a straight chain and said methacrylanilide amounting to 2% to 25% by weight of said copolymer.

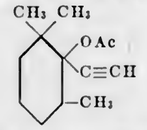
2,584,969
PREPARATION OF A DERIVATIVE OF CYCLOHEXENE

John Harold Chapman, Ruislip, England, assignor to Glaxo Laboratories Limited, Greenford, England, a British company

No Drawing. Application February 9, 1950, Serial No. 143,342. In Great Britain February 25, 1949

15 Claims. (Cl. 260—666)

1. A process for the preparation of 2:6:6-trimethyl - 1 - ethynylcyclohexene which comprises, subjecting a compound of the general formula



where Ac is an acyl group derived from an acid AcOH which is a saturated aliphatic carboxylic acid having from 2 to 6 carbon atoms and at least one hydrogen atom on the α carbon atom, to the action of heat to split off the elements of the acid AcOH and form 2:6:6-trimethyl-1-ethynylcyclohexene.

2,584,970
REDUCTION OF OXYDIVALERONITRILE

Kliem Alexander and Lester E. Schniepp, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application November 19, 1948, Serial No. 61,142

3 Claims. (Cl. 260—584)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

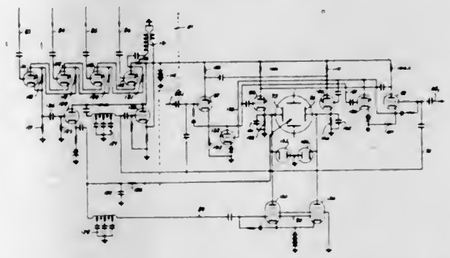
2. The method of making 5,5'-diaminodiamyl ether comprising charging 4,4'-dichloro dibutyl ether, pulverized sodium cyanide, and anhydrous methanol into a bomb, shaking and heating to about 150° C. for a number of hours, separating precipitated salt, evaporating the methanol, thereafter the residue being dissolved in ether, the solution filtered, the filtrate washed, the ether removed, the 4-methoxy-4' cyanobutyl ether distilled off under vacuum, the undistilled material, which is oxydivaleronitrile, being dissolved in absolute ethanol, boiled with sodium, the ethanol distilled off, the residue acidified with hydrochloric acid, evaporated to dryness, extracted with anhydrous ethanol, the diamine hydrochloride precipitated with ether as a crystalline solid, the dihydrochloride then mixed with aqueous potassium hydroxide and extracted with ether, and the ether evaporated to recover free 5,5'-diaminodiamyl ether.

2,584,971
PULSE TIME POSITION FINDING SYSTEM

John L. Allison, Nutley, N. J., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application May 7, 1949, Serial No. 91,894

16 Claims. (Cl. 343—112)



1. A method of determining the location of an atmospheric disturbance, comprising the steps of receiving electro-magnetic waves due to said disturbances at a plurality of spaced-apart observation points, transmitting a signal pulse to a control point from each observation point upon reception of said electromagnetic waves thereat, receiving said signal pulses at the control point, grouping the received signal pulses at the control point into pairs of pulses, and displacing an indicator over a map in a first direction by a distance substantially proportional to the spacing of the pulses of one pair and in a second direction by a distance substantially proportioned to the spacing of the pulses of another pair of pulses.

2,584,972
METHOD FOR PREVENTING DETERIORATION OF SEEDS

Aaron M. Altschul, Marjorie Z. Condon, and Madeline G. Lambou, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture

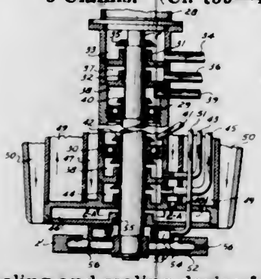
No Drawing. Application March 12, 1948, Serial No. 14,635

8 Claims. (Cl. 99—153)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for preventing deterioration of seed due to enzyme activity comprising spraying seed, containing natural enzymes and having a moisture content up to about 30%, with a liquid halohydrin in a concentration of 0.2 to 1.0%, calculated on a dry weight basis of the seed, to bring the enzymes present in the seed into chemical contact with the said halohydrin.

2,584,973
COOLING AND SEALING MEANS FOR DISK ATOMIZER SHAFTS
Carl Andermatt, Zurich, Switzerland, assignor to Luwa, S. A., Zurich, Switzerland, a corporation of Switzerland
Application July 29, 1947, Serial No. 764,797
In Switzerland April 10, 1947
5 Claims. (Cl. 159—4)



1. A cooling and sealing device for a disc atomizer shaft carrying a disc enclosed in an atomizing chamber, said device comprising a ball-bearing assembly carrying said shaft; means constituting casing walls forming a bearing chamber enclosing said ball-bearing assembly, a pressure chamber adjacent to said bearing chamber and a cooling chamber adjacent to said atomizing chamber, some of the walls of said chambers enclosing said shaft; an oil supply pipe opening into said bearing chamber; an oil discharge pipe communicating with said bearing chamber; a pressure-relieving pipe communicating with said pressure chamber; and a gas supply duct opening into said cooling chamber; said cooling chamber having a wall located adjacent to said disc and having openings formed therein, whereby gas supplied to said cooling chamber through said gas supply duct cools the last-mentioned wall and provides a seal against the passage of oil vapor from said pressure chamber and against the passage of the dust from said atomizing chamber.

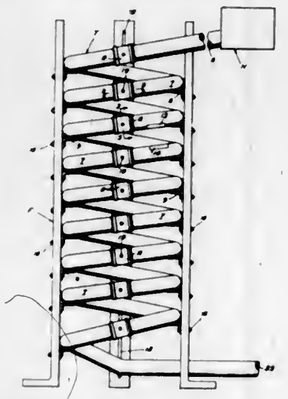
2,584,974
OPTICAL GLASS
William H. Armistead, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application May 13, 1948, Serial No. 26,930
10 Claims. (Cl. 106—53)

2. A transparent optical glass comprising 5–40% SiO_2, 5–40% B_2O_3, 5–35% La_2O_3, and at least three divalent metal oxides in the indicated proportions selected from the group consisting of 2–15% BeO, up to 30% MgO, 10–60% CaO, up to 60% ZnO, up to 60% SrO, up to 60% CdO, up to 60% BaO and up to 20% PbO, the selected divalent metal oxides including BeO, CaO, and CdO in the above-indicated proportions, the total divalent metal oxides being between 20% and 75%, and the total divalent metal oxides plus La_2O_3 being between 55% and 80%.

2,584,975
OPTICAL GLASS
William H. Armistead, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application March 27, 1951, Serial No. 217,890
15 Claims. (Cl. 106—53)

1. A transparent thorium-free optical glass comprising 5–40% SiO_2, 5–40% B_2O_3, 5–35% La_2O_3, and at least two divalent metal oxides in the indicated proportions selected from the group consisting of 2–15% BeO, up to 30% MgO, 10–60% CaO, up to 60% ZnO, up to 60% SrO, up to 60% CdO, up to 60% BaO, and up to 20% PbO, the selected divalent metal oxides including BeO and CaO in the above-indicated proportions, the total divalent metal oxides being between 20% and 75%, and the total divalent metal oxides plus La_2O_3 being between 55% and 80%.

2,584,976
APPARATUS FOR CONCENTRATING ORES AND THE LIKE
Thomas S. Bailey, Jr., Denver, Colo., assignor to Mining Process and Patent Company, Denver, Colo., a corporation of Delaware
Application August 8, 1947, Serial No. 767,636
6 Claims. (Cl. 209—211)

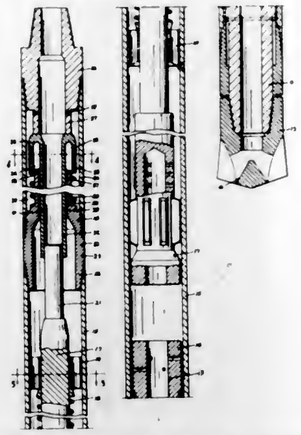


1. A concentrator for ore pulps or the like, comprising an upright flexible tube formed to provide a continuous spiral passage and having an intake opening in its elevated end portion and a discharge outlet for pulp constituents of lower specific gravity in the lower terminal portion of the body, conduit means for delivering pulp into said intake opening at a pressure in excess of the normal hydrostatic pressure at said opening, and members circumferentially adjustable on said flexible tube having valve-controlled outlets therein arranged at intervals along said spiral passage for the removal of stratified constituents of higher specific gravity.

2,584,977
LUBRICATING OIL ADDITIVES
John D. Bartleson, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application July 9, 1946, Serial No. 682,291
4 Claims. (Cl. 252—32.7)

1. As a composition for stabilizing mineral oil which is subject to oxidative deterioration a mineral oil-dispersible cation radical derivative of a reaction product of one mole of an aliphatic nitrile having from about 12 to about 18 carbon atoms in the molecule and 0.1 to 1.0 mole of a phosphorus sulfide reacted at a temperature of about 400° F. for about ½ hour to form a mineral oil-dispersible reaction product, said derivative containing from 0.25 to 6.0 equivalents per mole of the sulfide in the sulfide-nitrile reaction product of an alkali metal cation.

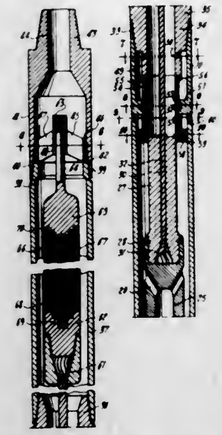
2,584,978
PERCUSSION TOOL
Ross Bassinger, Houston, Tex.
Application September 13, 1948, Serial No. 48,943
4 Claims. (Cl. 255—4.4)



1. A well percussion tool that comprises a tubular housing including a high pressure chamber and a low pressure chamber, an opening into the high pressure chamber for the supply of high pressure fluid thereto, an opening from the low pressure chamber for the exhaust of fluid therefrom, means defining an axially directed opening between said chambers, two elements mounted for axial reciprocation within said housing, one of said elements having the form of a sleeve fitting slidably in the opening between the chambers, the other of said elements having the form of a piston fitting slidably in said sleeve, a hammer on one of said elements, the improvement that comprises an external skirt member depending in spared relation from said sleeve, a neck member fixed to said housing in a position to telescope with said skirt member, said skirt member having fluid ports therein to provide a fluid escape passage between the space between the skirt and sleeve and said housing, the neck member functioning to close off said fluid ports when said members are in telescoping relationship.

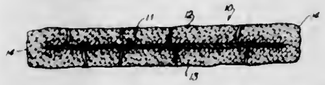
2,584,979
PERCUSSION TOOL
Ross Bassinger, Houston, Tex.
Application September 24, 1948, Serial No. 51,067
1 Claim. (Cl. 255—4.4)

A well percussion tool that comprises a tubular housing, an inlet for the supply of mud fluid to said housing, a mud outlet from said housing, two elements in said housing mounted for axial reciprocation relative thereto, one of said elements having the form of a sleeve fitting slidably in an opening formed by an internal flange in said housing, said sleeve having upper and lower abutment means cooperating with said flange to limit the movement thereof in either direction, the other of said elements having the form of a piston fitting slidably in said sleeve, said two elements forming a valve to control the flow of mud through said housing from said inlet to said outlet, a hammer attached to said piston for delivering impact blows to an anvil, an elastic means for urging said piston upwardly into closing engagement with said sleeve, said elastic urging means including an anchoring member mounted in the upper end of said housing, an upper connecting member suspended from said anchoring member, a solid non-metallic elastic element secured to said upper connecting means and having secured thereto at its lower end a lower connecting member, a cable



connecting said piston with said lower connecting member, said elastic means acting in tension to return said piston to its initial position in engagement with said sleeve after said hammer delivers an impact blow to said anvil.

2,584,980
ELECTRODE AND METHOD OF MAKING SAME
Joseph B. Brennan, Cleveland, Ohio
Application May 29, 1948, Serial No. 29,987
7 Claims. (Cl. 175—315)

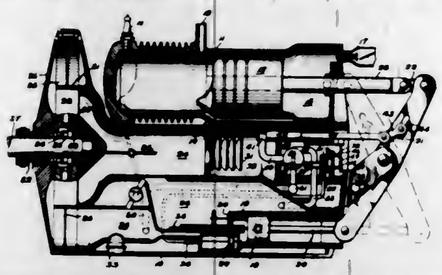


1. An electrode comprising a center strip of porous fibrous material and layers of a porous metallic mass intimately bonded to said strip on opposed sides thereof, said layers of porous metallic mass extending beyond the lateral marginal edges of said center strip, the portions of said layers of metallic mass extending beyond the edges of the center strip being integrally bonded together to form an integral conductive connection between the extended portions of the layers of metallic mass of a thickness at least equal to the thickness of one of said layers of metallic mass, said layers, of metallic mass bonded together at their edges providing a flattened tube of metallic mass encompassing said center strip.

2,584,981
FREE PISTON COMBUSTION ENGINE
Cooper Buck Bright, United States Navy
Original application May 8, 1946, Serial No. 668,054. Divided and this application September 13, 1949, Serial No. 115,521
9 Claims. (Cl. 123—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

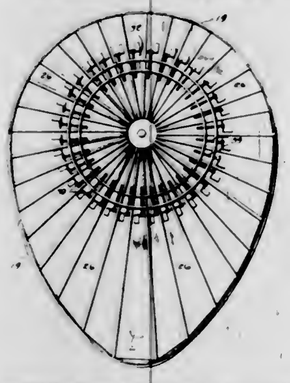
1. An engine having a piston movable between an outward limit on one stroke and a normal inward limit on its return stroke, the normal inward limit being determined by a predetermined gas pressure acting on the piston at such limit, first means for moving the piston through its return stroke to the normal limit aforesaid

and also capable of moving the piston beyond such limit in event that the gas pressure is less than the predetermined amount, and second



means responsive to movement of the piston beyond the normal inward movement to return the piston to its outer limit.

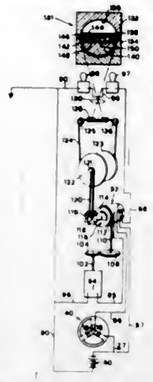
2,584,982
VENTILATING SHUTTER
William H. Burke, Oakland, Calif.
Application April 14, 1945, Serial No. 588,397
3 Claims. (Cl. 189—62)



1. In a ventilating shutter assembly and actuating mechanism arranged for positioning at the front end of an engine compartment for automobiles and the like a central member, a plurality of vanes each mounted to swing about axes extending radially outwardly and rearwardly of said member from open to closed position and combining when in closed position to define substantially a hollow cone with the convex side at the front and the concave side at the rear, and an actuating unit for opening and closing said vanes carried by said vanes within the concave side.

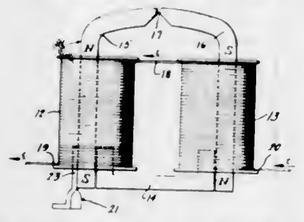
2,584,983
CENTRIFUGALLY OPERATED SWITCH
Gilbert James Butterworth, Chester, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application May 4, 1949, Serial No. 91,349
16 Claims. (Cl. 171—97)

16. Apparatus for controlling the operation of a bore hole measuring instrument including an electrically operated contact means, means providing a source of electric current, and a centrifugally operated switching means comprising a chamber containing a fluid, members floating individually in said fluid, and contact members, said means connected and arranged to control the flow of current from said current source through said electrically operated contact means when said centrifugally operated switching means is made operative as a result of contact



being established between the floating members and the contact members when the switch assembly is rotated.

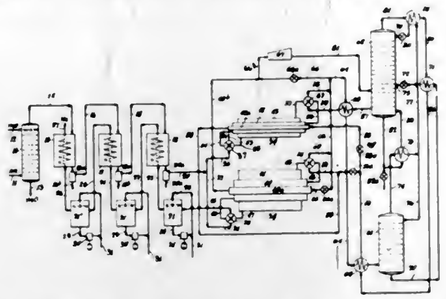
2,584,984
COMPENSATING DEVICE FOR A MAGNETIC RECORDING-REPRODUCING HEAD
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
Application November 22, 1947, Serial No. 787,523
2 Claims. (Cl. 179—100.2)



1. An electromagnetic transducer head comprising a core having a pair of spaced confronting pole portions, a pair of signal coils mounted on said core and having opposite magnetic orientation, said core including said pole portions forming a series magnetic circuit through said coils, and a reluctance varying member of magnetic material slidably mounted along one leg of said core and extending partially into one of said coils.

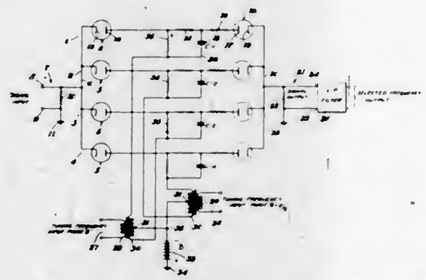
2,584,985
PRODUCTION OF OXYGEN BY RECTIFICATION OF AIR INVOLVING PRECOOLING THE AIR
Michael J. Cicalese, Forest Hills, N. Y., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New York
Application April 8, 1948, Serial No. 19,737
8 Claims. (Cl. 62—175.5)

8. In the process of producing oxygen by the liquefaction and rectification of air involving the flow of air through a reversing exchanger to recover the cold content of a rectification product and thereafter subjecting the thus cooled air to rectification, the improvement which comprises precooling the air, prior to introducing said air into said reversing exchanger, by indirect non-reversing heat exchange across a heat transfer wall with a stream of gaseous rectification product coming from said reversing exchanger at a temperature of about 40° to 55° F., and introducing water into said stream of gaseous rectification product in the course of



said indirect non-reversing heat exchange to humidify and thus cool said stream of gaseous rectification product and thereby to precool said air by said indirect non-reversing heat exchange to a temperature of 45° to 65° F.

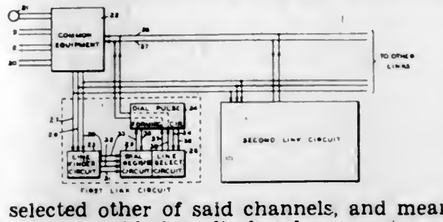
2,584,986
SELECTIVE WAVE FILTER
Gilbert R. Clark, Nutley, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 24, 1946, Serial No. 664,484
13 Claims. (Cl. 178—44)



1. A frequency wave filter comprising energy storage means having a plurality of separate submultiple portions, means for applying a periodical voltage to each of said submultiples in synchronism with corresponding phase portions of a selected frequency wave to produce a mean voltage condition on said storage means, means for electronically switching input signal energy to said storage means to modulate said mean voltage condition, and means controlled by said modulated wave in the presence of said selected frequency for electronically re-switching the resulting voltage of said storage means to an output circuit.
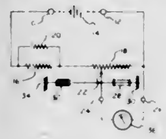
2,584,987
PULSE DELAY COMMUNICATION SYSTEM
Edmond M. Deloraine, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Continuation of application Serial No. 628,613, November 14, 1945. This application May 13, 1950, Serial No. 161,831
56 Claims. (Cl. 179—18)

1. An exchange system comprising a plurality of channels in excess of two, means for permanently assigning to all said channels predetermined different time positions in a time position cycle, means for producing a time displacement of energy on any one of said channels equal to the time displacement between that channel and



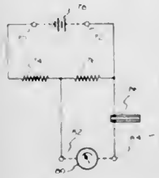
any selected other of said channels, and means for applying said time-displaced energy to said other of said channels.

2,584,988
DEW POINT MEASURING APPARATUS
Alexis B. Dember, Towson, Md., assignor to Bendix Aviation Corporation, Baltimore, Md., a corporation of Delaware
Application March 20, 1947, Serial No. 735,880
8 Claims. (Cl. 73—17)



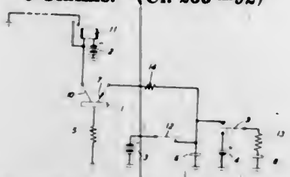
1. In humidity responsive apparatus, a pair of terminals adapted for connection with an electric source, a first resistor having a negative temperature coefficient of resistance connected at one end with one of said terminals, a second resistor connected between the other end of said first resistor and the other of said terminals, voltage measuring leads connected with said second resistor at spaced points, one of said leads being in movable contact with the said second resistor and humidity responsive means for actuating the said movable lead whereby the active portion of said second resistor between said voltage measuring leads decreases in the presence of decreasing humidity.

2,584,989
DEW POINT MEASURING APPARATUS
Alexis B. Dember, Towson, Md., assignor to Bendix Aviation Corporation, Baltimore, Md., a corporation of Delaware
Application March 20, 1947, Serial No. 735,881
3 Claims. (Cl. 73—17)



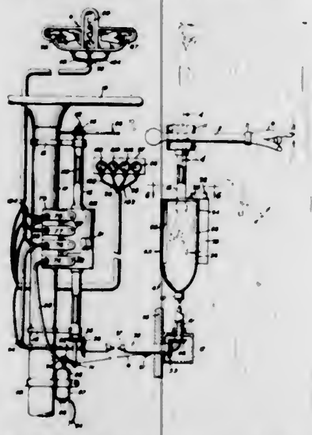
1. In humidity responsive apparatus, a pair of current energizing terminals, a pair of measuring terminals, a temperature responsive resistor having a resistance decreasing with increase in temperature connected between said input terminals in series with a substantially constant resistor, and a circuit connecting said fixed resistor between said measuring terminals including means for reducing the flow of current between said measuring terminals in the presence of decreasing humidity.

2,584,990
TRANSITOR COUNTING SYSTEM
Thomas L. Dimond, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 26, 1949, Serial No. 83,656
6 Claims. (Cl. 235—92)



1. In combination, apparatus for counting a definite number of operations of contacts comprising a storage condenser, means for charging said storage condenser to a voltage representing the number of operations of said contacts, a charging condenser, means for alternately connecting said charging condenser to said storage condenser and then to a fixed reference voltage under control of said contacts, a transistor having an emitter, a base, and a collector, an input circuit connected to said emitter and including said storage condenser, and indicating means connected in an output circuit including said base and collector, and bias voltages applied to said transistor elements to actuate said indicating means after said definite number of operations of said contacts.

2,584,991
DIRECTION AND CAUTION SIGNALING APPARATUS FOR AUTOMOTIVE VEHICLES
Walter V. Dye, Columbia, Tenn.
Application February 3, 1950, Serial No. 142,313
8 Claims. (Cl. 177—327)

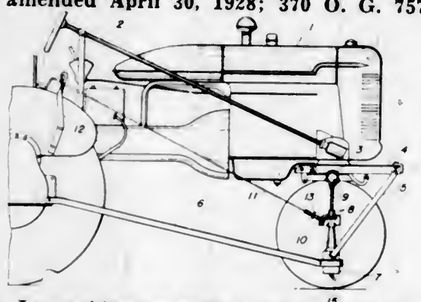


1. Signalling apparatus for use on an automobile comprising a front signalling arm pivotally mounted on said automobile for vertical swinging from a normal pendant position into caution, and left- and right-turn signalling positions, respectively, and terminating in a transparent direction pointing hand, rear transparent caution and left- and right-turn signals on said automobile, manually operative rotary means for swinging said arm into its signalling positions selectively, and rotary means operative by the first-named means to illuminate said hand in the selected position of said arm together with the rear signal corresponding to the signal indicated by the selected position of said arm.

2,584,992
ACTIVATED ADDITION HALOGENATION
Harry B. Dykstra, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 24, 1947, Serial No. 756,801
5 Claims. (Cl. 260—648)

1. In the addition halogenation of an aromatic compound which is subject to addition halogenation, the improvement wherein said compound, in the liquid state and at a temperature not higher than 200° C., is brought in contact with a halogen of atomic number $18n-1$ where n is an integer from 1 to 2 in the presence of from 0.01 to 5%, based on the weight of the aromatic compound, of an azo compound having both valences of the azo, —N=N—, group attached to different tertiary carbons, aliphatic in character, which carbons are each in turn attached to cyano groups.

2,584,993
EXPANSION JOINT CLEANER
George D. Eder, Gardner, Kans.
Application August 3, 1945, Serial No. 608,824
3 Claims. (Cl. 262—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



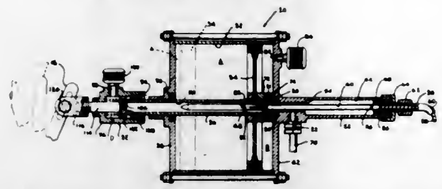
1. In combination with a motor vehicle having a front axle, a frame interposed between the vehicle body and front axle, a guide member suspended from said frame, stabilizing members connecting the guide member and rear portion of the vehicle, a jack-screw having a movable portion, secured to and depending from the front axle of the vehicle, a hollow slidable cutting tool carrying member secured to the movable portion of the jack and operable in the guide member, a cutting tool detachably mounted in and movable with the hollow member, and means for operating the jack to impart vertical movement to the cutting tool.

2,584,994
NONEMISSIVE ELECTRODE AND METHOD OF MANUFACTURING
Kenneth Edward Everett, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 7, 1947, Serial No. 766,980
In Great Britain March 15, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 15, 1966
8 Claims. (Cl. 313—107)



8. A non-emissive composite electrode structure that includes a metal base bearing a coating of zirconium exclusively with a superficial stratified coating of carbon overlying said zirconium.

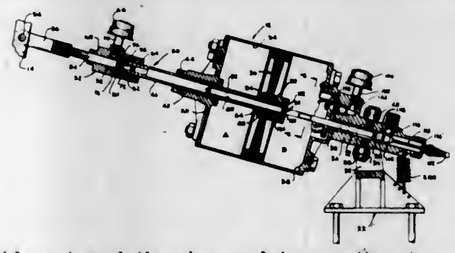
2,584,995
PRESSURE ACTUATED TRANSMISSION CONTROL UNIT
Robley D. Fageol, Detroit, Mich., assignor to R. D. Fageol Company, Detroit, Mich., a corporation of Michigan
Application April 12, 1949, Serial No. 87,000
9 Claims. (Cl. 121—41)



1. A power unit comprising a cylinder, a piston member reciprocally arranged in said cylinder and separating the space in said cylinder on one side of said piston member from the space on the other side thereof, a hollow piston rod secured to said piston member and projecting through an end wall of said cylinder, a hollow valve member telescopically arranged relative to said piston rod and projecting through the opposite end wall of said cylinder, said hollow valve member forming a fluid flow passage, said passage being provided with a fluid port on the end of the valve member disposed within said cylinder and said passage having a fluid pressure connection thereto exteriorly of said cylinder, a valve closure member carried by and movable with said piston member relative to said hollow valve member and cooperable with said hollow valve member to close said port therein, said hollow valve member being freely shiftable in both directions relative to said valve closure member so as to uncover said port on either side of said valve closure member and said piston member thereby to establish communication between said cylinder and said passage on a selected side of said piston member, said hollow valve member being movable relative to said piston member a distance at least as great as the stroke of said piston member relative to said cylinder, the end of said hollow piston rod remote from said cylinder forming part of a normally closed valve means constructed and arranged to be opened during movement of said hollow piston rod toward one end of said cylinder for admitting fluid into said cylinder on the side of said piston member remote from said one end of said cylinder.

2,584,996
PRESSURE ACTUATED TRANSMISSION CONTROL UNIT
Robley D. Fageol, Detroit, Mich., assignor to R. D. Fageol Company, Detroit, Mich., a corporation of Michigan
Application July 16, 1949, Serial No. 105,230
12 Claims. (Cl. 121—41)

1. A power unit comprising a cylinder member, a piston member reciprocally arranged in said cylinder member for movement relative thereto between limit positions adjacent each end of said cylinder member, a hollow valve member reciprocally arranged relative to said piston member and forming a fluid flow passage, said passage being provided with a fluid port on the end of the valve member disposed within said cylinder member and said passage having a suction connection thereto exteriorly of said cylinder member, a valve closure member carried by and movable with said piston member relative to said hollow valve member and cooperable with said hollow valve member to close said port therein and to separate the space in said cylinder member on one side of said piston member from the space in said cylinder member on the other side of said piston member, said hollow valve member being shiftable relative to said piston member and closure member so as to uncover said port and being movable between limit positions spaced a distance at least as great as the stroke of said piston member relative to said cylinder member, means operable for selectively positioning said hollow valve member in either of its limit positions or in any position intermediate its limit positions, movement of said hollow valve member so as to position the port thereof on one side of said valve closure member uncovering

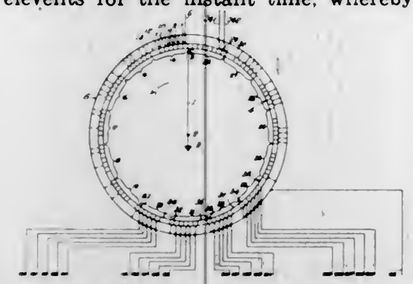


said port and thereby applying suction to said cylinder member on one side of said piston member whereby said piston member will move relative to said cylinder toward said port until said valve closure member closes said port, said piston member and hollow valve member being constructed and arranged so as to be freely movable relative to each other so as to permit free movement of said hollow valve member from one of its limit positions to the other without thereby moving said piston member, an atmospheric bleed valve at one end of said cylinder member for admitting air at a restricted rate into said cylinder member on the other side of said piston member, said bleed valve being constructed and arranged to be opened for freely admitting air to said cylinder member on said other side of said piston member, and a connection between said bleed valve and said hollow valve member for opening said bleed valve upon the aforesaid movement of said hollow valve member to uncover said port.

2,584,997
MESSAGE TIMING DEVICE
Syrl K. Ferguson, Springfield, Va.
Application March 2, 1949, Serial No. 79,262
6 Claims. (Cl. 178—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a printing telegraph system including means for transmitting and means for receiving telegraph messages, said means for transmitting including a tape transmitter utilizing a permutation message code, a device for automatically recording the time of transmission and reception of said messages comprising a continually operative source of signals significant of instant time, and an automatically operating control means; said source of signals including an electromechanical distributor comprising a series of conductor segments insulated from each other, a continuously moving electrical contactor in

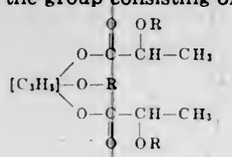
sliding relation to said segments, a source of periodic electrical pulses, a switching circuit connected to said source of electrical pulses, said switching circuit including a plurality of banks of contacts and brush contactors movable with respect to said contacts and being selectively responsive to said pulses, electrical connections between said contacts and said segments in accordance with said permutation code to provide the elevents for the instant time, whereby the



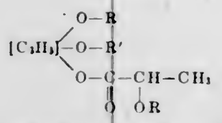
position of said brush contactors on the contacts is significant of said time; said control means connected between said tape transmitter and said source of signals and including means for automatically disabling the tape transmitter after the completion of a message and including also means for inserting said time signals into the outgoing circuit, thereby providing a time record of the transmission of said message, said time also being substantially the time of receipt of said messages.

2,584,998
MIXED GLYCEROL ESTERS AND THEIR ACYLATION PRODUCTS
Edward M. Filachione, Philadelphia, Pa., Martin L. Fein, Riverside, N. J., and Charles H. Fisher, Abington, Pa., assignors to United States of America as represented by the Secretary of Agriculture
No Drawing. Application June 18, 1948, Serial No. 33,839
14 Claims. (Cl. 260—410.8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A glyceryl ester represented by a formula selected from the group consisting of



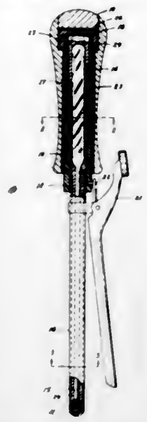
and



wherein R is the acyl radical of a lower fatty acid and R′ is the acyl radical of an aliphatic monocarboxylic acid containing from 6 to 18 carbon atoms.

2,584,999
CURLING IRON
Algernon F. Flournoy, Shreveport, La., assignor, by decree of distribution, to Margaret Thurston Flournoy
Application January 24, 1947, Serial No. 723,939
10 Claims. (Cl. 132—37)

1. A curling iron comprising a hollow mandrel connected to a hollow metal cylinder that is nearly filled with a body of alloy or other substance having a marked latent heat of fusion, said alloy having a melting point less than 400° F.



and said mandrel and cylinder by their communicating interconnection providing a flow path for said alloy.

2,585,000
APPARATUS FOR COOKING EDIBLE IMITATION HOLLOW CORNCOBS
Roy Friddell, Galveston, Tex.
Application April 22, 1947, Serial No. 743,129
7 Claims. (Cl. 107—66)

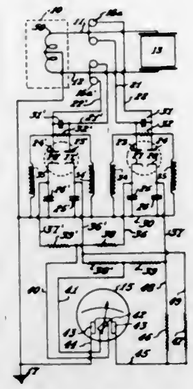


1. In apparatus of the class described, an elongated casing forming a combustion chamber having a closed top, an elongated oven on said top extending from one end of said casing partway along said top with an entrance end disposed intermediate the ends of said casing, said top of the combustion chamber forming outwardly of said entrance end of the oven an exposed warming table, an elongated mold carriage, means slidably mounting said carriage on said top of the combustion chamber for manual movement endwise off said table into said oven, a longitudinal row of upright molds on said carriage adapted to contain batter for cooking in said oven when the carriage is moved into the same and to be maintained warm when said carriage is moved onto said warming table, and means for generating heat in said casing beneath said oven.

2,585,001
APPARATUS FOR THE MEASUREMENT OF HIGH-FREQUENCY POWER
Joseph C. Frommer, Cincinnati, Ohio
Application October 8, 1948, Serial No. 53,582
12 Claims. (Cl. 171—95)

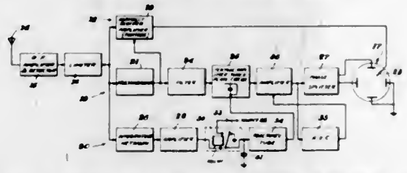
1. In apparatus for the purpose described, inductive means for deriving from an ungrounded

lead of a high frequency power circuit two currents respectively proportional to the product of the high frequency load current and the cosine of its phase angle, and proportional to the high frequency line voltage, rectifying means in connection with said derived currents, and an electro-



dynamometer to which said currents are differentially applied, the said means for deriving said currents comprising a transformer having a primary in series in said ungrounded power lead, and a secondary having a center tap connected directly with said power lead.

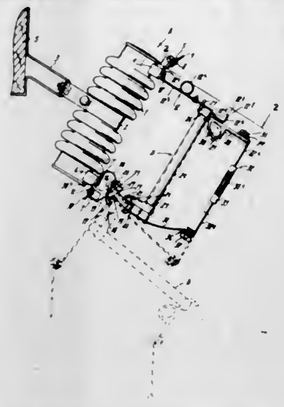
2,585,002
CATHODE-RAY TUBE SWEEP SYSTEM
Alexander Frum, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 8, 1946, Serial No. 639,844
7 Claims. (Cl. 343—106)



1. In a cathode ray tube sweep system, means for supplying a plurality of successive signals having a given time relation to each other, a cathode ray tube, means for separating one of said signals from the other of said signals, means responsive to said separated one of said signals for producing a sweep of the beam in said tube in fixed time relation to said one signal, and means for producing a retardation of the separated signal for a length of time which is a function of the total time elapsing between the beginning of the first of said signals and the end of the last of said signals to produce a corresponding retardation of said sweep.

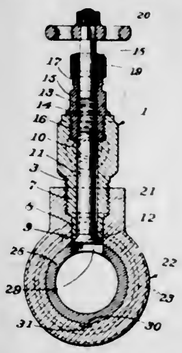
2,585,003
ELECTRICAL FUSE CUTOUT
Robert A. Gesellschap, Kirkwood, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application December 5, 1949, Serial No. 131,215
5 Claims. (Cl. 200—114)

1. An electrical fuse cutout comprising an insulating support, an incoming terminal and an outgoing terminal supported by said insulating support, an elongated element formed of electrical insulating material, a member supported for hinging movement by said insulating support, an element supported by said elongated element and hingedly connected to said member, electrical conductive means for supporting said elongated element in its effective position, and means including a fuse link disposed exteriorly of said elongated element for releasing said



elongated element from said conductive means for hinging movement out of its effective position on rupture of said fuse link, said member having an extended part to which an end portion of said fuse link is attached and which is movable downwardly on rupture of said fuse link, and means supported by said elongated element exteriorly thereof to which the opposite end portion of said fuse link is attached.

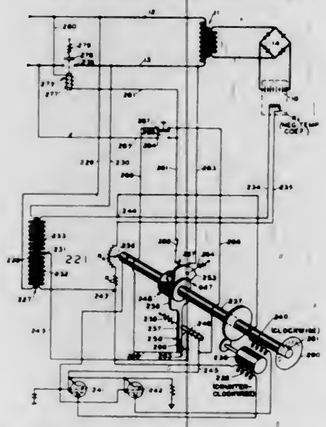
2,585,004
WATER INJECTION VALVE COMBINATION WITH CEMENT SPRAYING NOZZLE
Robert N. Gillespie, Jesse K. Mair, and Christopher J. McNally, Allentown, Pa., assignors to Cement Gun Company, Inc., Allentown, Pa., a corporation of New Jersey
Application November 24, 1948, Serial No. 61,873
2 Claims. (Cl. 91—44)



1. A water injection valve combination for cement spraying apparatus comprising a nozzle body having a passage extending longitudinally therethrough, a bore in said nozzle body transverse to said nozzle body passage and in direct communication therewith, a valve body mounted in said bore, said valve body having a fluid inlet and a fluid passageway communicating therewith, said fluid passageway extending longitudinally of said valve body and communicating directly with said nozzle body passage to provide

a single relatively large fluid opening for admission of water from said fluid inlet into said nozzle body passage without substantial reduction of the fluid pressure, an outwardly flared valve seat within said bore about said fluid opening in direct communication with said nozzle body passage, and a valve stem within said fluid passageway and movable longitudinally thereof, said valve stem having an outwardly flared end for seating engagement with said valve seat which extends into said nozzle body passage in open position so that fluid passing through said fluid opening into said nozzle body passage is deflected by the outwardly flared end and thereby sprayed into said nozzle body passage.

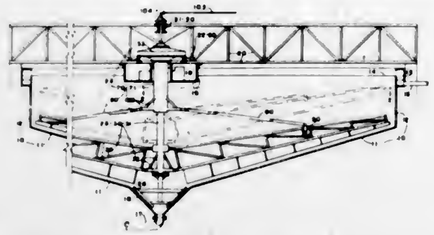
2,585,005
METHOD AND APPARATUS FOR CHARGING BATTERIES
James B. Godshalk, Philadelphia, and Lewis A. Medlar, Oreland, Pa., assignors, by mesne assignments, to Sterlingworth Company, Philadelphia, Pa., a corporation of Delaware
Application October 26, 1949, Serial No. 123,722
46 Claims. (Cl. 320—35)



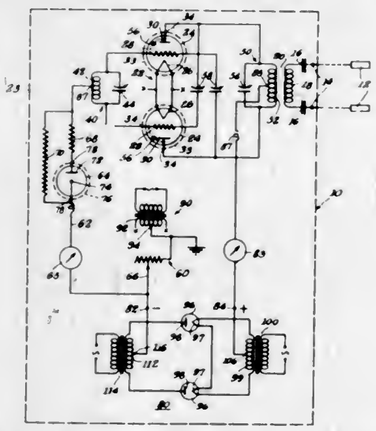
1. The method of charging a storage battery, comprising subjecting the battery to charging at a power level of sufficient magnitude that heat lost from the battery during charging is negligible when compared with heat generated in the battery as a result of charging, and terminating charging when the internal temperature of said battery has traversed a selected rise above its initial value at the beginning of charging, regardless of the value of the initial temperature.

2,585,006
SEDIMENTATION UNIT
Frank L. Graner, New York, N. Y., and Charles Harold Scott, Westport, Conn., assignors to The Dorr Company, New York, N. Y., a corporation of Delaware
Application January 29, 1947, Serial No. 725,086
12 Claims. (Cl. 210—55)

1. A mechanism of the class described for use in a liquid-retaining basin having a superjacent frame structure and comprising sediment-raking blades; a liftable turnable carrier for the blades; plunger means supported from the frame for raising and lowering the blade carrier; a driven turnable bull-wheel mounted from the frame; means effective between the bull-wheel and the blade carrier for turning the carrier in various operative elevations thereof; and a primary motor for turning the bull-wheel; characterized by an oil reservoir, a pump having a suction line leading from the reservoir and a discharge pipe for delivering pressure oil to the plunger when the pump is actuated, a return pipe for oil from the plunger to the reservoir, an auxiliary motor for actuating the pump, and an energizable primary control for operating the primary motor to turn the blade-carrier and having an automatically shiftable load-responsive control member normally in non-transmitting condition except when displaced into an abnormal energy transmitting condition during abnormally heavy load conditions encountered by the blades, and a secondary control energizable from the primary control extending to the auxiliary pump motor and adapted to be disrupted from energy-transmitting condition when the shiftable control is in its normal non-transmitting condition but to be re-established in transmitting condition during the encountering of abnormally heavy load conditions by the blades.

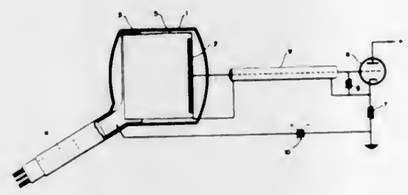


2,585,007
OSCILLATOR CIRCUITS FOR USE IN DIATHERMY
Edward H. Guboff, Los Angeles, and Raymond Binney, Venice, Calif.
Application January 19, 1948, Serial No. 2,998
17 Claims. (Cl. 250—36)



1. In an electrical heating system comprising a radio-frequency oscillator including a variable-gain amplifier tube having a cathode and a control grid and an anode, and also including a grid circuit connected between said cathode and said control grid and an anode circuit connected between said cathode and said anode, at least one of said circuits being tuned to a predetermined radio-frequency, said anode circuit and said cathode circuit being coupled to produce oscillations of said predetermined radio-frequency, said anode circuit including a radio-frequency transformer having a secondary winding provided with terminals for coupling to a load to be heated, said control grid drawing current periodically during oscillation, the improvement which comprises a biasing circuit including a voltage regulator tube of the gaseous discharge type connected between said control grid and said cathode normally rendered conductive by grid to cathode potential developed in said amplifier tube to vary grid to cathode bias in direct proportion to anode current variations to maintain anode current substantially constant under load variations.

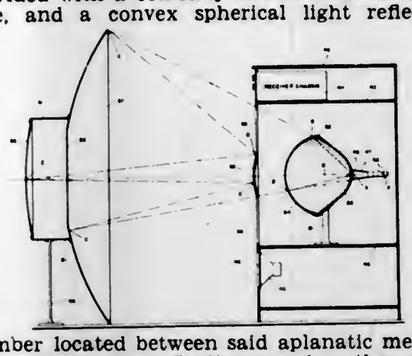
2,585,008
CHARGE STORAGE TELEVISION TUBE
Clyde E. Hallmark, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application May 21, 1947, Serial No. 749,478
5 Claims. (Cl. 178—7.2)



1. In a television transmitting system, a charge storage image analyzing tube having a photo-electric mosaic electrode and a collector anode, a shielding electrode mounted within said tube between said mosaic electrode and said collector anode, an amplifier tube having an input circuit including a cathode and a control grid, means coupling said mosaic electrode and said collector anode to said input circuit, and means coupling said shielding electrode to the cathode end of said input circuit.

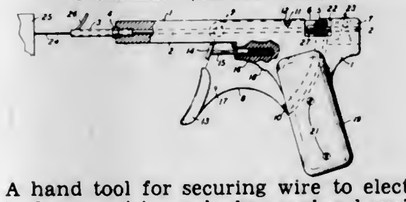
2,585,009
CONCENTRIC OPTICAL SYSTEM
François Charles Pierre Henroteau, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application August 2, 1945, Serial No. 608,450
10 Claims. (Cl. 177—319)

10. An optical system for television projection apparatus comprising, a cathode ray tube having an evacuated envelope provided with a spherical transparent end wall, a fluorescent screen formed on the inside of said tube end wall and adapted to have reproduced thereon an optical image by the deflection of an electron beam thereover, a spherical viewing screen facing said fluorescent screen, an aplanatic optical member having a first substantially spherical end wall located in intimate contact with said cathode ray tube end wall and a second substantially spherical light refracting end wall of greater curvature located opposite to said first spherical end wall, a concave spherical light reflecting member facing said tube end wall and being provided with a centrally located circular aperture, and a convex spherical light reflecting



member located between said aplanatic member and said concave reflecting member, the spherical surfaces of said end walls, said viewing screen and said members having substantially the same center of curvature.

2,585,010
WIRE CONNECTING TOOL
Clarence N. Hickman, Jackson Heights, Rudolph F. Mallina, Hastings on Hudson, and Frank Reck, Flushing, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 6, 1947, Serial No. 753,066
4 Claims. (Cl. 140—122)

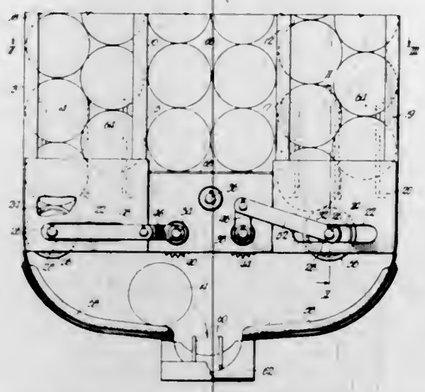


1. A hand tool for securing wire to electrical terminals comprising a body member housing a rotatable shaft therein, means for rotating said shaft, the forward portion of said shaft supported within a sleeve attached to said body member, said forward portion of said shaft provided with a substantially axial opening adapted to accommodate therein one end of an electrical terminal, said forward portion of said shaft also provided with a groove opening on the surface of said shaft and on the forward end thereof, said groove having a smooth forward edge and adapted to have inserted therein one end of a wire, the forward end of said sleeve providing holding means for said wire and guiding means for said wire and said terminal, said tool adapted when said shaft is rotated to hold said wire by said holding means and by means of said smooth forward edge of said groove to permit said one end of said wire to slide out of said groove while being secured about said one end of said terminal.

2,585,011
BOTTLE DISPENSING APPARATUS
Elmer C. Johnson, Kansas City, Mo., assignor, by mesne assignments, to The Vendo Company, Kansas City, Mo., a corporation of Missouri
Application November 8, 1948, Serial No. 58,865
2 Claims. (Cl. 312—48)

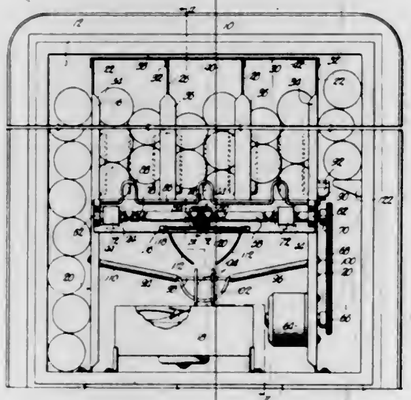
1. In a vending machine having supporting and guiding means for receiving two columns of arti-

cles in staggered relationship, a reciprocable roller disposed below the columns of articles and adapted to alternately engage the columns to restrain both columns from downward movement; a slotted support at each end respectively of the roller for guiding the same along a rectilinear path of travel; an elongated, rotatable element carried by said supports; a crank mounted on



each end respectively of said element for rotation therewith; and an elongated link at each end respectively of said roller, each link having one end thereof pivotally joined to the roller and the opposite end thereof pivotally joined to a corresponding crank remote from the element whereby upon rotation of the latter the roller is reciprocated.

2,585,012
BOTTLE DISPENSING APPARATUS
Elmer C. Johnson, Kansas City, Mo., assignor, by mesne assignments, to The Vendo Company, Kansas City, Mo., a corporation of Missouri
Application November 8, 1948, Serial No. 58,866
2 Claims. (Cl. 312—48)



1. In a vending machine having supporting and guiding means for receiving two columns of articles in staggered relationship, a reciprocable roller disposed below the columns of articles and adapted to alternately engage the columns to restrain both columns from downward movement; a slotted support at each end respectively of the roller for guiding the same along a rectilinear path of travel; a rotatable, compound screw having criss-cross grooves adjacent each support respectively; and a follower block operably mounted on each screw respectively and connected to the roller for reciprocating the latter as the screws are rotated.

2,585,013
PRIZING TOOL
Oscar A. Johnson, Pullman, Wash.
Application April 5, 1950, Serial No. 154,017
7 Claims. (Cl. 254—17)



1. In a prizing tool, the combination of a U-shaped head comprising a bight portion and spaced apart arms rigid with and extending from said bight portion providing a slot into which the work may extend, a main handle bar rigid with and extending from said bight portion in a direction opposite to said arms, a pair of facing jaw members movably carried by said arms at their confronting faces in a manner to be movable toward and retractable from each other, means carried by said head and operatively connected to said jaw members to move them toward and from each other, a hand lever carried by said main handle bar at its free end portion, and motion transmitting means operatively connecting said hand lever and to said means for actuating the same.

2,585,014
HIGH-VOLTAGE RECTIFIER DISK
Merlin O. Juvrud, Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 26, 1945, Serial No. 624,946
7 Claims. (Cl. 175—366)

4. In a rectifier disc comprising a base plate, a selenium layer and a counter-electrode, a barrier layer between said selenium layer and said counter-electrode, said barrier layer comprising the residue obtained by evaporating a mixture comprising one part of a cadmium salt ethyl alcohol solution having a salt concentration ranging from ½% to 20%, 5 parts of about 5% solution of cellulose acetate in methyl ethylene, glycol, mono-methyl, ether acetate and about 5 parts of methyl ethylene glycol, mono-methyl, ether acetate.

2,585,015
PROCESS FOR THE TREATMENT OF EGG WHITES
Arthur M. Kaplan, Hyattsville, Md., and Mathilde Solowey, Washington, D. C., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application May 22, 1950, Serial No. 163,574
14 Claims. (Cl. 99—113)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

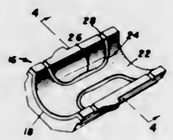
1. The method of fermenting liquid egg white by *Streptococcus lactis*, said microorganism being in a non-proliferating stage during the fermentation process.

2,585,016
CARTRIDGE FOR MULTICOLOR BALL POINT PENS
Paul Kollsman, New York, N. Y.
Application April 12, 1949, Serial No. 86,940
6 Claims. (Cl. 120—42.12)



1. A cartridge for cluster assembly in multiple, particularly in multi-color ball point pens, comprising a substantially cylindrical shell adapted to contain ink, a duct of smaller diameter than said shell extending from one end of said shell; a ball socket and ball at the end of said duct, the ball being of smaller diameter than said duct, the exposed portion of the ball lying substantially at right angles with respect to the axis of the shell, the axis of the socket being substantially parallel with, but spaced from, the axis of the shell, the spacing being sufficiently large to bring a portion of the circumference of the socket beyond the imaginary extension of the wall of the shell.

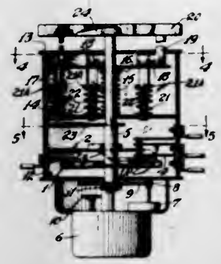
2,585,017
BEARING FOR AXLE BOXES
John P. Kostolnik, Whiting, Ind.
Application May 6, 1947, Serial No. 746,369
5 Claims. (Cl. 308—79.1)



1. A bearing for axles comprising a backing having U-shaped grooves, a lining fixed to said backing and in the grooves, and oil grooves cut in said lining and in the path of the grooves in the backing, said lining having side flanges and notches in said side flanges forming continuations of the oil grooves.

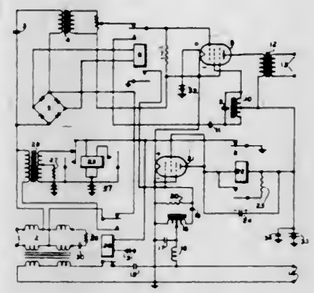
2,585,018
TIME SWITCH
Morton A. Kreitchman, Irvington, and James H. Tanner, Newark, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 25, 1947, Serial No. 782,168
15 Claims. (Cl. 200—39)

1. A time switch comprising a plurality of sequence selection elements each representing an operation in a given sequence of operations, switch contacts for control of said operations, timer means for actuating said contacts in sequence, and means responsive to actuation of a sequence selection element to bring said timer means into a starting position corresponding to



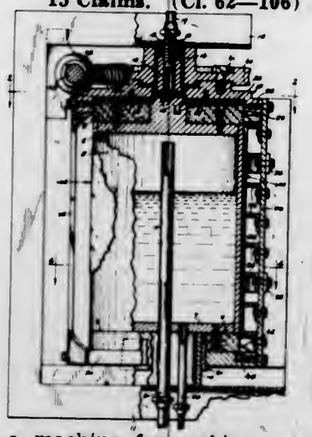
the point in said sequence corresponding to the operation represented by the actuated sequence selection element, including means to render said timer means inoperative with respect to control of said operations while said timer means is being brought to said starting position.

2,585,019
VOICE FREQUENCY SIGNALING CIRCUIT
Marc A. Lalande, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 18, 1947, Serial No. 729,255
In France February 6, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 6, 1965
8 Claims. (Cl. 179—84)



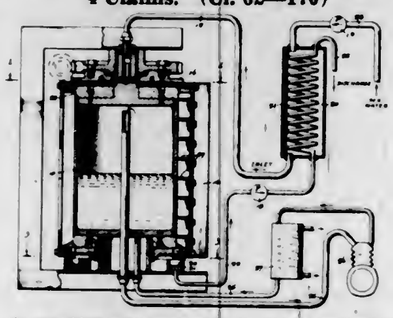
1. In a system for normally transmitting telecommunication signals of relatively high frequency, and including a call-receiving device, and an amplifier comprising an electron discharge device having at least two control electrodes and normally operative to amplify said signals and attenuate other means for applying telecommunication signals to one of said control electrodes and means for converting said electron discharge device to generate relatively low frequency signals applied to another of said control electrodes to amplify and transmit such low frequency signals whenever transmission thereof is desired, switching means for energizing said last-named means, said switching means further operating to render said call-receiving device ineffective, for the duration of the low frequency transmission interval, and shunt resistance means cooperating with said call-receiving device to facilitate such temporary isolation of said device.

2,585,020
ART OF MAKING CRACKED ICE
James H. Lessard and Gerald M. Lees, Seattle, Wash.; said Lees assignor to said Lessard
Application July 26, 1948, Serial No. 40,646
15 Claims. (Cl. 62—106)



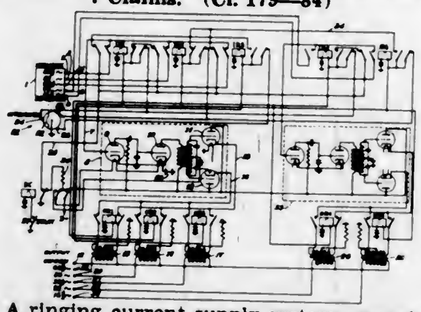
1. As a machine for making cracked ice, a cylindrical drum mounted to locate its axis vertical and adapting itself to such a chilling of the surface as will establish a quick-freeze condition, means for chilling said surface, a chambered water head mounted above the drum for rotary movement about the center of the latter as an axis and providing an annular delivery throat fed from the chamber and placed concentric to the axis in overlying relation to the perimeter of the drum, means for supplying water under pressure to the chamber, a member mounted below the drum for rotary movement about an axis coinciding with the water head, stringers connecting the water head and said member and acting therewith to define a substantial lantern cage, means for rotating said cage, and a plurality of rather widely spaced knife-edged wedges carried by one of said stringers and operating by rotary movement of the cage to crack the sheet of ice formed upon said chilled surface, the knife edges of said wedges lying tangent to the drum surface and parallel one to another in planes defining right sections of the drum.

2,585,021
PRODUCTION OF CHIP ICE FROM SEA WATER
James H. Lessard and Gerald M. Lees, Seattle, Wash.; said Lees assignor to said Lessard
Application November 27, 1948, Serial No. 62,294
4 Claims. (Cl. 62—170)



1. A continuous-operation method of producing cracked ice from sea water which comprises the steps of continually flowing a stream of freshly supplied sea water over a rigid heat-exchange surface of cylindrical contour with the direction of flow being parallel to the cylinder's axis and such as to have the water stream curtain less than the latter's full circumferential extent, the curtain being sectionally of a shape approximating a partial-circle arc of the cylindrical surface, causing the curtain of supplied water to progress bodily in a direction circumferentially of the heat-exchange surface while coincidently chilling said surface to a quick-freeze temperature, continuously freeing from the heat-exchange surface that part of the produced ice sheet which is not curtained by the supplied sea water through the instrumentality of breaking this portion of the ice sheet into fragments, the volume of sea water supplied to said heat-exchange surface being in excess of the latter's freezing capacity, separating from the freed ice the chilled excess of water which leaves the heat-exchange surface, keeping this separated excess completely isolated from the freed ice, from the heat-exchange surface, and from the freshly supplied sea water, and by exchange of heat transferring to this trapped excess of chilled water heat units contained within the sea water being freshly supplied, thereby to recapture energy expended in chilling the excess.

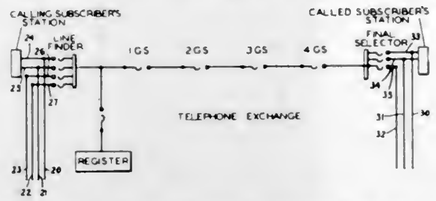
2,585,022
RINGING CURRENT SUPPLY SYSTEM FOR TELEPHONES
Elmer F. Lewis, Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 19, 1948, Serial No. 45,168
7 Claims. (Cl. 179—84)



1. A ringing current supply system comprising a plurality of sources of alternating current, the current from each source having a different frequency, a plurality of output stations, an amplifier unit having input and output circuits, a series of input relays, circuit means for energizing said relays in cyclic succession, a circuit from each source extending through work contacts of a different relay to said input circuit, a series of output relays, circuit means for energizing the output relays in cyclic succession in synchronism with the input relays, and a circuit from each output station extending through work contacts of a different output relay to said output circuit.

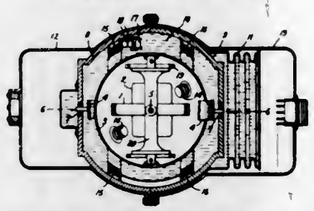
2,585,023
TESTING EQUIPMENT FOR AUTOMATIC TELEPHONE SYSTEMS
Elmer F. Lewis, Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 23, 1948, Serial No. 56,264
11 Claims. (Cl. 179—175.21)

1. In a telephone exchange system, a plurality of subscribers' lines, means for establishing a connection between a calling and a called line, a testing device for operating said means to establish connections between calling and called lines comprising means for connecting the device to a line desired to be tested as a calling line, means for connecting the device to a line desired to be tested as a called line, a digit switch having contacts and an arm cooperating therewith, said arm being movable with respect to the contacts to indicate the number of digits to be dialed, a plurality of number switches each having contacts and an arm cooperating therewith, a steering switch having terminals and wipers cooperating therewith, terminals of the steering switch connected to contacts of said digit switch



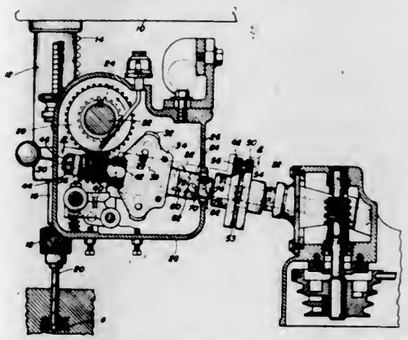
and to arms of the number switches, a counting switch having terminals and wipers cooperating therewith, terminals of the counting switch connected to the contacts of the number switches, means for moving the wipers of said steering switch, means for moving the wipers of said counting switch, a dialing relay controlled by said switches whereby pulses corresponding to the number of the called line are transmitted to the exchange to operate the means for establishing the connection to the called line, relay means operable after a predetermined time for releasing the called line, and indicator lamps connected to the terminals of the steering switch for indicating the dialing of each digit.

2,585,024
TEMPERATURE COMPENSATED FLOATED GYROSCOPE
John E. Lundberg, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application December 22, 1949, Serial No. 134,421
7 Claims. (Cl. 74—5.4)



1. In combination with a floated gyroscope instrument having a liquid-tight, rotor structure thereof immersed in a liquid, a torque compensator arrangement for maintaining balance of said structure comprising electro-responsive means supported independently of said structure and interacting therewith to apply torques to said structure, said means including two current branches and applying said torques in one and another angular direction depending upon which of said branches carries the larger current, an electrical power source, first resistance means immersed in said liquid to respond to the temperature thereof and having a negative temperature coefficient of resistance, said first resistance means being coupled serially with said source and one of said current branches, and second resistance means immersed in said liquid to respond to the temperature thereof and having a temperature coefficient of resistance other than negative, said second resistance means being coupled serially with said source and the other of said current branches.

2,585,025
DRILLING MACHINE
Harold F. Martin, Milwaukee, Wis., assignor to The Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 2, 1948, Serial No. 42,050
3 Claims. (Cl. 77—32.3)

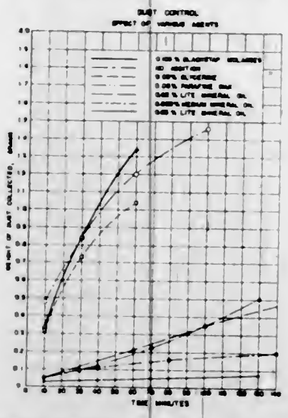


1. In a drilling machine having a quill, a drill spindle rotatably mounted in said quill in axially fixed relation and carrying a fluted drill bit rotated by a suitable motor driven drive element, a power feed mechanism including a second motor driven drive element and power transmitting means drivingly connected to said quill to advance said quill, and a support mounted adjacent said power transmitting means for oscillatory movement in a plane parallel to the axis of said quill: a power feed drive comprising a driving member connected to said second motor driven drive element mounted for limited axial movement in said support, and drivingly connected to said power transmitting means when said support is disposed at one extreme of its oscillatory path; cooperating ratcheting cam surfaces on said driving member and said support slidably coacting to impart axial movement to said driving member in one direction at least once in each revolution of said driving member whereby said power transmitting means is accelerated to provide a normal advancing feed movement of the quill, spindle, and the drill bit; and resilient means positioned around a portion of said driving member between said support and another portion of said driving member to cancel out said axial movement of said driving member at least once in each revolution of said driving member and effect an interruption in said normal advancing feed movement of said quill, spindle, and drill bit to positively break the chip formed by said drill bit from said work, whereby said chip will be positively driven by the flutes of said drill bit in a retrogade direction until it clears the hole formed in the work.

2,585,026
GRAIN HANDLING
Rolf Moen and Mark S. Dalquist, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
Application October 4, 1948, Serial No. 52,676
5 Claims. (Cl. 99—80)

1. Process of treating grain which comprises

applying thereto an emulsion of water and mineral oil, the amount of mineral oil added to



the grain being within the approximate range of 0.02% to 0.08% based on the weight of the grain.

2,585,027

RECONSTRUCTION OF GLYCERIDE OILS

Herbert H. Mueller, Winchester, Mass., assignor to E. F. Drew & Co., Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 1, 1948, Serial No. 36,419

11 Claims. (Cl. 260—410.7)

1. A method of reconstructing glyceride oils which comprises mixing a coconut type oil the fatty acid radicals of which have from 6 to 18 carbon atoms with a mixture of higher fatty acids having from 12 to 18 carbon atoms in excess of that necessary to displace the lower fatty acids of said oil, heating the mixture to a reaction temperature to displace a major portion of the lower fatty acids having 6 to 10 carbon atoms and to cause said higher fatty acids to enter into combination in said glyceride oil, removing the latter from the zone of reaction, thereafter introducing glycerine into the reaction product, and heating to cause esterification of said glycerine with said product until the acid value is about 5–6%.

2,585,028

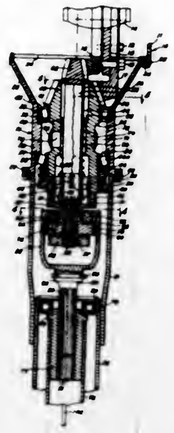
PASSENGER CAR TYPE TWO-SPEED AXLE

Victor E. Murray, Cincinnati, Ohio, assignor of sixty per cent to Charles H. Reedy, Cincinnati, Ohio

Application June 4, 1949, Serial No. 97,158

10 Claims. (Cl. 74—700)

1. In a passenger car the combination of a two speed axle of the passenger car type including a high and a low speed axle transmission gear set, each gear set including a beveled ring gear and a beveled pinion meshing therewith, the beveled pinions including nested shafts, a cage-type roller journal bearing supporting the inner pinion shaft within the outer shaft at the pinion end of the latter, a combination double roller thrust and radial bearing supporting the inner pinion shaft within the outer shaft adjacent the forward end and transmitting thrust in both directions, axially spaced clutch elements on the forward ends of the respective pinion shafts and provided with uniform series of external circumferential clutch teeth, and a sliding clutch member selectively engageable with said clutch elements and arranged and adapted for constant rotation with the vehicle propeller shaft, the low speed gear set adapted to be driven by the propeller shaft in direct engine drive relation for speeds



up to about 35 M. P. H. with the engine developing approximately its highest torque delivery at all speeds.

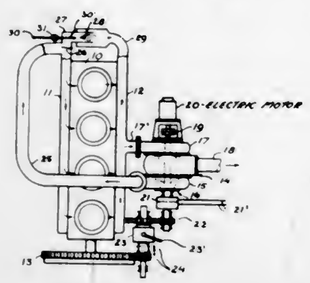
2,585,029

SELF-POWERED TURBOSUPERCHARGER STARTER SYSTEM FOR INTERNAL-COMBUSTION ENGINES

Frederick Nettel, Manhasset, N. Y.

Application October 23, 1947, Serial No. 781,726

10 Claims. (Cl. 60—11)



1. In combination, a reciprocating internal combustion engine, a turbocharger set consisting of gas turbine means and blower means driven by said gas turbine means, said set normally being mechanically independent of the engine shaft, conduit means connecting the delivery side of the blower means to the air intake of the engine so as to supply air to the engine, conduit means for connecting the exhaust gas outlet of the engine to the inlet of the turbine means, valve controlled conduit means for bypassing air from the delivery side of the blower means to the inlet of the turbine means, an auxiliary combustion chamber in said second named conduit means, starter means for initiating rotation of said set, means to burn fuel in said combustion chamber after initiating rotation of said set so as to operate said set, with the engine at standstill, as a self-powered gas turbine unit, and coupling means for disengageably connecting the thus operating set to the engine shaft so as to turn over the engine shaft at cranking speed for starting with energy produced by said set.

2,585,030

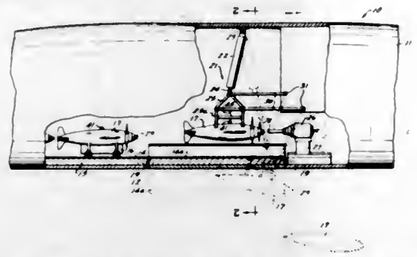
APPARATUS FOR LAUNCHING AERIAL TORPEDOES FROM AIRCRAFT

Paul W. Nosker, Yellow Springs, Ohio

Original application July 13, 1943, Serial No. 494,462. Divided and this application July 15, 1949, Serial No. 104,982

2 Claims. (Cl. 244—2)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In combination, a mother aircraft having a bomb bay door opening, a powered parasite aircraft contained within the mother aircraft, a plurality of holding sockets with a detent in each socket on said parasite aircraft, a launching device carried within the mother aircraft, said launching device comprising a parallel bar linkage, legs extending downward from said linkage into said sockets, a piston and cylinder therefor arranged crosswise of each leg at substantially the outer end thereof, a fluid inlet passage to said cylinder and a fluid outlet passage from said cylinder both passages extending downward through said leg whereby said piston may be releasably forced by fluid pressure by its shaft into said detent in said socket and retained there to hold said leg in said socket until the fluid pressure on said piston is released and a telescopic actuator of the power type for pivoting the parallel bar linkage as a whole about a pair of pivot points within the mother aircraft and adapted to project the parasite aircraft at a negative angle of attack through a bomb bay door opening on the mother aircraft, said actuator and said pistons in the holding sockets being actuable by the same type of working fluid.

2,585,031

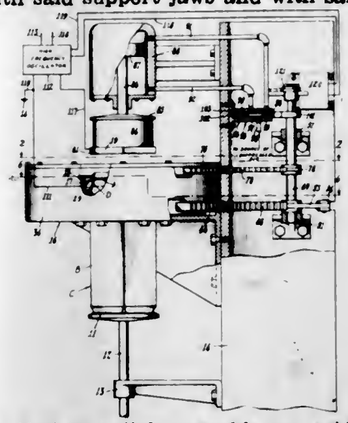
MACHINE FOR ELECTRICALLY SEALING FIBER CONTAINERS

Harold T. Odquist, Yonkers, N. Y., and Eugene W. Macoy, Old Greenwich, Conn., assignors to American Can Company, New York, N. Y., a corporation of New Jersey

Application May 26, 1947, Serial No. 750,492

3 Claims. (Cl. 93—55.1)

1. In a container closing machine for securing with an interposed thermoplastic adhesive a fibre container cover in place within a fibre container body by an interfolding of marginal cover flange parts with projecting annular flange parts of the container body and against a shoulder formed by an inwardly extending bead in the body, the combination of support jaws surrounding the container body and engageable under the shoulder of the container body for supporting said shoulder, a chuck engageable with the flange of said body for pressing the flange against the cover and the cover against the shoulder, retainer jaws disposed adjacent said support jaws for engaging and backing up the outer periphery of the body shoulder during initial engagement between the chuck and the cover and body parts, means for retracting said retainer jaws after said cover and body parts are tightly held by said chuck to provide only the fibrous mass of cover and container parts in engagement with said support jaws and said chuck, electric means supplying high frequency electric current connecting with said support jaws and with said chuck,



and a timing switch operable on said electric means after retraction of said retainer jaws for creating an electrostatic field passing through said thermoplastic adhesive for dielectrically heating and melting said adhesive for bonding said interfolded container and cover parts together.

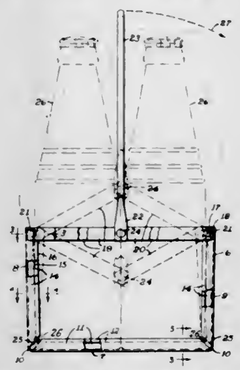
2,585,032

BOTTLE CARRIER

Marvin E. Palmquist and Edward W. Lundstrom, Rockford, Ill., assignors to Andrew F. Wintercorn, Rockford, Ill.

Application October 8, 1948, Serial No. 53,422

6 Claims. (Cl. 224—48)



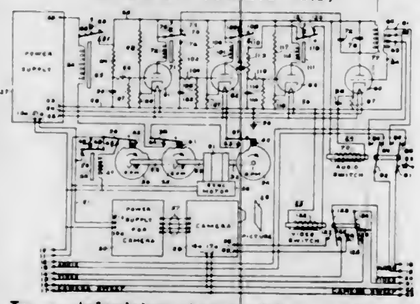
1. A bottle carrier comprising a one-piece sheet metal base of rectangular form providing an imperforate and substantially rigid bottle supporting bottom portion and having opposed upwardly bent parallel side portions for disposition alongside the bottles standing on the bottom portion, said side portions being flexible relative to the rigid bottom portion along the lines of said bends and disposed close enough to the bottles so that the upper portions of said side portions are arranged to engage the outer sides of the bottles to crowd the bottles together tightly when said side portions are flexed inwardly toward each other, a single pair of toggle links horizontally disposed in a line across each end of the base at the top thereof to retain bottles standing on the bottom

portion against displacement from the ends of the base, each pair of links being pivotally connected at their outer ends to the tops of the side portions and being pivotally connected together at their inner ends, whereby said links serve to flex said side portions inwardly relative to the rigid bottom portion when their inner ends are pulled up or pushed down, and a handle bail pivotally connected at its opposite ends to the pivotally connected inner ends of said links.

2,585,033
REACTIVATION OF A DEHYDROGENATION CATALYST
Emory W. Pitzer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 23, 1946, Serial No. 717,958
10 Claims. (Cl. 252—413)

1. The process of reactivating a paraffin dehydrogenation catalyst comprising a dehydrogenating, difficultly reducible, heavy metal oxide supported on a relatively inert supporting material, and which has become spent by alternate paraffin dehydrogenation and regeneration with an oxygen-containing gas to remove by burning off carbon deposited thereon during the dehydrogenation which comprises grinding said spent catalyst, digesting the ground catalyst with liquid concentrated nitric acid, evaporating the resulting mixture to dryness, heating the residue to decompose the nitrate formed during the digestion step, comminuting the residue, mixing it with volatile organic binder, shaping the resulting material into uniformly shaped bodies, and igniting said bodies at a temperature and for a time sufficient to remove the binder.

2,585,034
AUXILIARY CAMERA BREAK-IN FOR TELEVISION TRANSMISSION SYSTEMS
Ellison S. Purington and John Hays Hammond, Jr., Gloucester, Mass.; said Purington assignor to said Hammond, Jr.
Application October 29, 1949, Serial No. 124,419
7 Claims. (Cl. 178—5.8)



1. In a television transmitter having audio and video transmission channels normally carrying audio and video programs, a control signal generator having means for producing a pair of distinctive control signals, timed means interrupting said audio program and impressing said control signals in timed sequence on said audio transmission channel, video camera means including means for scanning a still picture, timed means synchronized with the start of transmission of said second control signal to interrupt the transmission of said video program and impress the output of said video camera on said video transmission channel for transmitting said picture a predetermined time interval after the start of said second control signal transmission, and timed means for terminating the transmission of said picture a selected time period after its start and restoring the transmission of said video program.

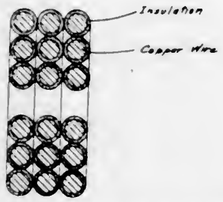
2,585,035
UNSATURATED ETHERS OF POLYHYDRIC ALCOHOLS AND POLYMERS THEREOF
John Robert Roach and Harold Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application October 24, 1946, Serial No. 705,484
26 Claims. (Cl. 260—67)

1. A non-hydrophilic, readily polymerizable, unsaturated liquid ether of a highly functional cross-linked alcohol, said highly functional alcohol resulting from the alkylation of a polyhydroxy compound with an alkylating agent containing a plurality of alkylating functions, the total number of groups capable of entering the alkylation reaction being at least 5, said highly functional alcohol being at least about 75% etherified with an unsaturated low molecular weight aliphatic group containing from 2–7 carbon atoms, said aliphatic group containing at least one unsaturated carbon to carbon linkage not more than three crbon atoms removed from the ether linkage.

2,585,036
PREPARATION OF NOVEL FOOD PRODUCTS FROM RICE
Robert L. Roberts, Piedmont, Calif., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application September 27, 1949, Serial No. 118,181
4 Claims. (Cl. 99—80)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

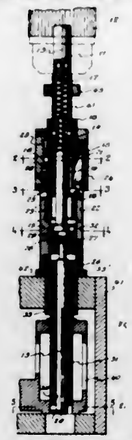
1. A process for preparing food products from rice comprising mixing rice meal with hot water in the proportion of from about 0.75 to about 1 part of rice meal per part of water to produce an uncooked paste, forming the resulting uncooked paste into an elongated shape having a thickness from about ⅛'' to about ¼'', and cooking the resulting shaped paste in oil at a temperature from about 375° F. to about 425° F.

2,585,037
INSULATED ELECTRICAL CONDUCTOR
Preston Robinson, Williamstown, and Colin C. Reid, Boston, Mass., assignors to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application April 16, 1947, Serial No. 741,888
8 Claims. (Cl. 148—6.3)



4. A tightly wound coil of wire composed of a metal selected from the group consisting of copper, tin, iron, lead, aluminum, magnesium, manganese, chromium, zinc and alloys containing such metals, whose adjacent turns are insulated from each other only by a layer of phthalocyanine salt formed in situ.

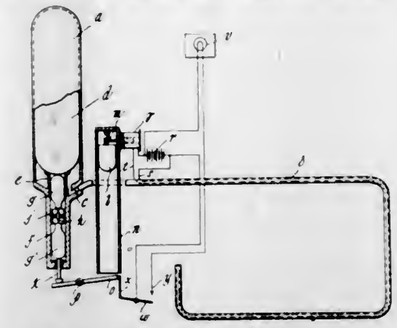
2,585,038
TOOL
Lester K. Rogacki, Huntington Station, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application December 12, 1950, Serial No. 200,376
7 Claims. (Cl. 77—58)



1. A recessing tool of the character described comprising an inner cylindrical sleeve having a shank portion at its upper end whereby the tool is gripped and driven, said inner sleeve having a generally helical slot formed therein, a shaft slidably and rotatably fitted within said inner sleeve and having a projecting pin fixed adjacent to its upper end to engage within said slot whereby axial movement of said inner sleeve will effect rotary motion of said shaft relative to said inner sleeve, an outer sleeve keyed to said inner sleeve whereby both of said sleeves will rotate together, said outer sleeve having an annular internal groove therein adapted to receive the protruding end of said pin to thereby prevent relative axial movement of said shaft and said outer sleeve, a cutter having a cutting portion and a shank, a holder for said cutter eccentrically journalled within the lower portion of said outer sleeve including means for clamping the shank of said cutter therewithin, a pilot member fixed to the lower end of said outer sleeve and surrounding the shank of said cutter, said pilot member terminating closely adjacent the cutting portion of the cutter and being provided with a bearing for the shank thereof adjacent the cutting portion, and coupling means connecting the lower end of said shaft and the eccentrically mounted holder for said cutter for effecting rotation of said cutter relative to said pilot member.

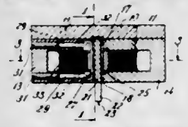
2,585,039
LOCAL AUTOMATIC FIRE EXTINGUISHING SYSTEM
George F. Rooke, Providence, R. I., assignor to George G. Evans, De Kalb, Ill.
Application February 11, 1949, Serial No. 75,867
6 Claims. (Cl. 169—9)

2. A fire extinguishing system comprising a tank, a thin walled tube made of material having a low melting point in flow-receiving connection at one end with said tank and being closed against discharge at all other points, means in the tank normally preventing flow of fluid contained therein to said tube, a suspended weight, a lever pivoted a substantial distance below the level at which said weight is suspended, having an arm extending across the path in which the



weight is adapted to travel when permitted to fall, force-transmitting means between the lever and container operable when the lever is displaced by impact of said weight to open a passage for fluid from the tank to the tube and heat controlled means for releasing the weight from its suspended condition.

2,585,040
ELECTROMAGNETIC RECORDING HEAD
Marvin F. Royston, Poughkeepsie, N. Y., assignor to Frederick Hart & Co., Inc., Poughkeepsie, N. Y., a corporation of Delaware
Application March 23, 1949, Serial No. 83,093
7 Claims. (Cl. 179—100.41)

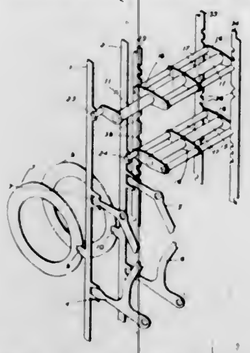


1. An electromagnetic sound recording head which comprises a pair of U-shaped pole pieces positioned to define a pair of air gaps therebetween, magnet means for producing a magnetic field across said air gaps, an armature positioned within said air gaps and adapted to carry a stylus, a knife edge positioned midway between said air gaps and engaging one side of said armature to provide a pivot axis therefor, a unitary compressional spring member having a pair of abutments engaging the opposite side of said armature at respective points spaced apart laterally of said knife edge and on opposite sides thereof to provide substantially equal and opposite torques on said armature, and an actuating coil positioned in the space defined by said pole pieces and encircling said armature.

2,585,041
PRINTING TELEGRAPH RECEIVER
Reginald Dennis Salmon, Croydon, England, assignor to Creed and Company Limited, Croydon, England, a British company
Application July 17, 1947, Serial No. 761,523
In Great Britain April 30, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 30, 1966
8 Claims. (Cl. 178—33)

1. Printing telegraph receiver comprising a plurality of movable setting-members, one for

each element of the code, a like plurality of movable character-selector-elements, each linked with one of said setting members and adapted to be moved thereby, a like plurality of rotatable code-function-selector members, each of said selector-members linked with one of said setting-members and adapted to be rotated through a small angle thereby, each of said selector-members carrying rollers thereon, a plurality of function levers, spring means attached to each of said levers for urging same towards said selector-



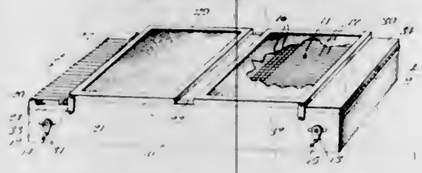
members, each of said levers provided with a series of notches cooperating with the rollers of said selector-members, said notches being so shaped that the rollers of said selector-members can enter said notches and subsequent angular movement of said members forces the function levers away from said selector-members, said setting-members selectively moved in accordance with each received signal and means under control of said selector-elements for printing characters.

2,585,042

APPARATUS FOR SCHEDULING AND FOLLOWING PRODUCTION OPERATIONS

Francis W. Sammons, White Plains, N. Y.

Application October 8, 1947, Serial No. 778,670
6 Claims. (Cl. 35—24)



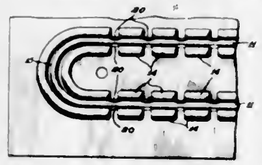
1. Apparatus for scheduling and following production comprising a frame, a scheduling table fixed in said frame extending from adjacent one end of said frame for substantially one-half of the length thereof, a combination notation base and a writing board slidable in said frame toward and away from said table, a record unit slidable with said combination notation and writing board in said frame, said frame having a strip of paper-like material for movement over said table and said notation and writing board and under said record unit in either direction longitudinally of said frame, a roller held in the upper edge of said notation and writing board nearest said record unit, a second roller held in the lower edge of said record unit nearest said notation and writing board whereby said strip moves easily between the upper side of said notation and writing board and the lower side of said record unit, said strip having longitudinal and transverse lines thereon whereby itemized transactions may be separately and chronologically indicated upon said strip, one set of lines having dates at one end thereof, some of said itemized transactions being entered on said strip when supported on said table and under future dates thereby to follow production up to and past a current date.

2,585,043

HEAT EXCHANGER

Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application July 2, 1948, Serial No. 36,598
2 Claims. (Cl. 257—256)



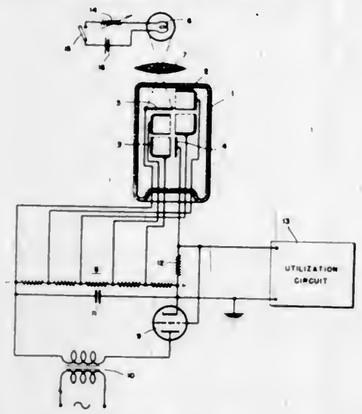
1. A heat exchanger comprising a plate having a depression therein of serpentine form consisting of straight portions and joining curved portions, the curved portions of the depression being of greater width than the straight portions, a raised ridge formed integrally with said plate immediately contiguous to and coextensive with said groove, a preformed serpentine tube positioned within the depression, irregularities in the formation thereof and differential thermal expansion of the plate and the tube being accommodated by the greater width of the curved portions of the depression, and localized depressions in said ridge causing portions thereof adjacent the straight portions only of said depression to engage corresponding straight portions of the tube above a median diameter thereof to snugly bottom said tube in said groove.

2,585,044

GAIN CONTROL APPARATUS

Robert W. Sanders, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana

Application February 5, 1945, Serial No. 576,231
5 Claims. (Cl. 179—171)



1. An automatic gain control system comprising, an electron multiplier having at least one dynode and an electron collecting electrode, a source of electrons for deriving signal effects for said multiplier, a load impedance having one terminal coupled to said collecting electrode for

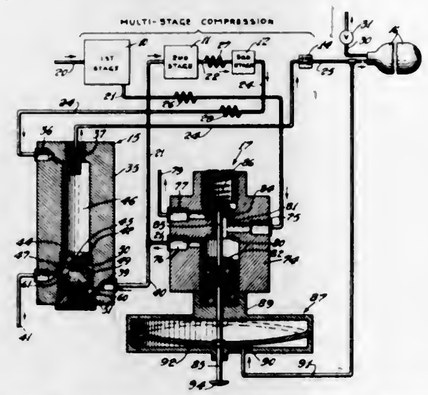
developing a voltage thereacross representative of the amplitude of electrode current flow through said multiplier, a source of alternating current, means including a vacuum tube rectifier coupled between said alternating current source and another terminal of said load impedance for providing unidirectional dynode potential and electrode current for said multiplier, means for applying the voltage developed across said load impedance for controlling the operation of said rectifier, whereby the magnitude of unidirectional electrode current supplied to said multiplier varies inversely to the variations of the average amplitude of the voltages developed in said load impedance.

2,585,045

TRAP FOR COMPRESSED GAS SYSTEMS

Albertus E. Schmidlin, Caldwell, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey

Application May 8, 1947, Serial No. 746,830
17 Claims. (Cl. 183—42)



1. In a compressed gas system, the combination of a compressor; a container for receiving compressed gas; a liquid trap having a compressed gas inlet and outlet and a drainage aperture; pressure medium operable valve means including a valve member for said drainage aperture; conduit means for connecting said compressor to said inlet and said container to said outlet; conduit means connected in fluid flow communication with said first conduit means for supplying compressed gas to said pressure medium operable valve means to cause said valve member to close said drainage aperture; and means for rendering ineffective the supply of compressed gas to said valve means whereby said valve member is caused to open said drainage aperture by pressure in said trap and compressed gas in said trap is effective to expel liquid therefrom through said aperture.

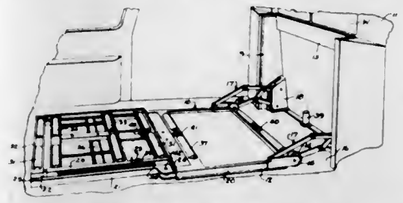
2,585,046

FOLD-AWAY CASKET RACK FOR HEARSES

Earl L. Schofield, Rockford, Ill., assignor to E. L. Schofield, Incorporated, Rockford, Ill., a corporation of Delaware

Application May 15, 1950, Serial No. 162,060
20 Claims. (Cl. 296—17)

1. In a hearse adapted to be converted to other uses, the hearse comprising a floor, side walls, and an end wall, the end wall having an open storage compartment provided therein that is of a height which is a fraction of the fore and aft dimension of said floor and is adapted to accommodate a folded casket rack structure, a fold-away casket rack for use on the floor of said hearse comprising a plurality of rectangular rack frame sections each of a width corresponding substantially to the width of the rack, the sections being hingedly connected together at adjoining ends to fold onto



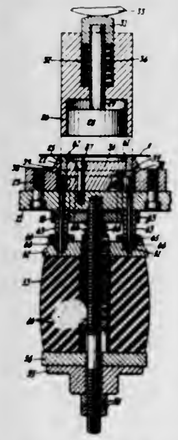
one another in substantially parallel abutting relationship, one of said rack frame sections being hinged at its one end in said compartment to swing upwardly into said compartment so as to carry the rest of the folded rack with it into said compartment, each of said sections having casket supporting and conveying means on the upper face thereof, and a closure for said compartment.

2,585,047

CAP FORMING APPARATUS WITH EDGE REFORMING CONTROL DEVICE

Frank Scibelli, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application March 4, 1948, Serial No. 13,004
6 Claims. (Cl. 113—42)



1. In a cap forming apparatus, the combination of a die shoe, a support mounted on said die shoe for a cap having a projecting edge, a reforming and ejecting ring surrounding said support and movable relative thereto for engagement with the projecting edge of said cap, a plurality of pins slideable in said die shoe for supporting said ring, a reforming pin plate engageable with some of said pins, an ejector pin plate engageable with the other of said pins, a resilient member operating against said reforming pin plate and forcing said ring against said projecting edge for reforming it, a plurality of adjustable stop elements disposed between said die shoe and said reforming pin plate and limiting the travel of said ring toward the projecting edge of said cap under the action of said resilient member for limiting the reforming

action on said projecting edge for maintaining a predetermined dimension of said cap, and resilient means of a strength less than that required to effect a reforming action on the projecting edge of said cap and operating against said ejector pin plate and forcing said ring against said projecting edge for ejecting said cap from the apparatus after the reforming of said projecting edge.

2,585,048
CARBOXYLATED METHYL CELLULOSE WITH QUATERNARY AMMONIUM COMPOUND AS TOPICAL REMEDY

Herman A. Shelanski, Philadelphia, Pa., assignor to Onyx Oil & Chemical Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application April 8, 1949, Serial No. 86,405
6 Claims. (Cl. 167—58)

1. A medicinal preparation for the treatment of protozoan infections, and the like, comprising an active protozoacide comprising a mixture of 3,4-dichlorobenzyl dimethyl dodecyl ammonium chloride in the amount of 70–80% and dimethyl ethyl 9-octadecenyl ammonium bromide in the amount of 30–20% in admixture with the sodium salt of carboxylated methyl cellulose in the proportion of about 99.0–97.0 parts by weight to 1.0–3.0 parts by weight of the active protozoacide.

2,585,049
PULP MOLDING DIE

Ernest L. Shepard, Fairfield, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland and William B. Nulty, Portland, Maine, as trustees

Application May 19, 1949, Serial No. 94,180
7 Claims. (Cl. 92—54)



1. In an open face pulp molding die-unit for the suction formation of molded pulp egg flats or analogous articles, in combination, a unitary die-plate having a molding area, a die-ring defining the molding area and the edge of the article to be molded, said die-plate being provided with drainage openings leading therethrough from the molding area, said die-plate being further provided with a plurality of retaining grooves opening out into the molding area, extending substantially to the inner wall of said die-ring, and dividing the molding area into a plurality of border sub-areas located adjacent to the die-ring, and, in addition, a plurality of inner sub-areas disposed inwardly of the border sub-areas, each sub-area having a conformation corresponding to the section of the article to be molded thereon, a plurality of wire mesh screen hoods each snugly engaging the die-plate over a sub-area thereof, each hood associated with the inner sub-areas having marginal flanges extending into the contiguous grooves defining the perimeter of the inner sub-area and being frictionally locked within its respective perimetric groove, each hood of the border sub-areas having marginal flanges including flanges which are directly adjacent to the die-ring, such adjacent flanges being frictionally locked to the die-plate, the non-adjacent flanges of such hoods extending into contiguous grooves and being frictionally locked therein, whereby at least those hoods which are associated with the inner sub-areas may be initially positioned or replaced from the face side of the unitary die-plate, and are held in place independently of the die-ring.

2,585,050
VARIABLE TRANSFORMER

Arthur Simon, deceased, late of Milwaukee, Wis., by Edna M. Simon, Clarence J. Simon, and Herbert A. Simon, executors, Milwaukee, Wis., assignors to Beatrice George Marti, Wauwatosa, Wis.

Application January 7, 1949, Serial No. 69,761
5 Claims. (Cl. 171—119)

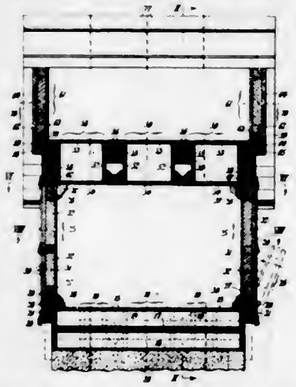


1. In a variable output voltage transformer, a pair of cores each having a face adapted for movement in contact with a face of another core to provide a constant and minimized airgap between the contacting core faces, the cores being grooved from the contact faces, a plurality of primary and secondary windings severally mounted in the grooves of the core, a plurality of short-circuited windings in the grooves of one core for compensating the stray flux of the secondary windings upon movement of the primary and secondary windings relative each other into positions of indirect flux linkage therebetween, and means for moving one core and the windings therein relative to the other core responsive to voltage variations in the secondary windings and while the core faces are in contact.

2,585,051
BUILDING

Edward P. Simon, Philadelphia, Pa.; Edith D. Simon, executrix of said Edward P. Simon, deceased, assignor to Lyle F. Boulware, Philadelphia, Pa.

Application October 26, 1946, Serial No. 705,958
5 Claims. (Cl. 20—2)

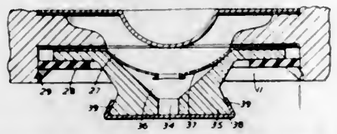


1. A building comprising a ground floor; prefabricated side and end walls with locking hinge means along their bottom edges connected with corresponding edges of the ground floor, the vertical edges of said side and end walls being beveled and meeting in miter joints at the corners of the building and being provided with longitudinally-extending complemental undercut grooves; and continuous cross sectionally-conformative locking keys engaging the complemental grooves in the meeting edges of the side and end walls at corners.

2,585,052
GRANULE TYPE ACOUSTIC TRANSDUCER

Dennis Edward Skelton, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application April 21, 1949, Serial No. 88,770
In Great Britain April 23, 1948
1 Claim. (Cl. 179—123)



A granule-type acoustic transducer having a metallic diaphragm constituting the movable front electrode and another metallic diaphragm constituting the relatively stationary back electrode, means for electrically insulating said electrodes from each other, means whereby said electrodes are arranged in spaced relationship, said back electrode having a centrally located aperture of such size as to permit free passage of granules therethrough, a cover plate, means for peripherally mounting said cover plate adjacent said back electrode to define a chamber communicating through said aperture in the back electrode with the zone between the electrodes, and granules substantially filling said zone and chamber.

2,585,053
SOLID ESTERS AND METHOD OF MAKING SAME

Malcolm Kent Smith, Elizabeth, N. J., assignor to The Baker Castor Oil Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application January 6, 1949, Serial No. 69,593
29 Claims. (Cl. 106—244)

1. The process of forming thermo-set, irreversibly insoluble, and irreversibly infusible plastic compositions, which are useful as compounding ingredients for rubbers and other elastomers and plastics, by treating esters of unsubstituted aliphatic polyhydric alcohols containing at least 3 hydroxyl groups per molecule and of unsaturated aliphatic acids selected from the class consisting of naturally occurring fatty acids and synthetic aliphatic, mono-carboxylic acids of at least 11 carbon atoms, which treatment comprises passing an oxygen-containing gas through said esters at an elevated temperature in the range from about 30° to about 200° C. until the irreversibly thermo-set stage is reached, and distributing a modifying agent, selected from the class consisting of sulfated and sulfonated derivatives of aliphatic acids having from 6 to 24 carbon atoms per molecule and of unsubstituted monohydric alcohol and unsubstituted glycol ether esters of said acids in said polyhydric alcohol esters prior to the stage at which said polyhydric alcohol esters have become thermo-set, whereby said thermo-set plastic compositions are effectively stabilized against hardening caused by further polymerization and aging, and said thermoset polyhydric alcohol esters being characterized by having a higher chemically combined oxygen content than that of the polyhydric alcohol esters at the stage when the modifying agent is distributed therein.

2,585,054
FLEXIBLE SHIELD FOR ELECTRIC CONDUCTORS

Edward J. Stachura, Arlington, Va.

Application March 10, 1949, Serial No. 80,704
3 Claims. (Cl. 174—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

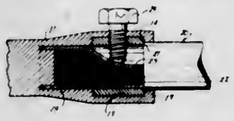


1. An electromagnetic shield for electrical conductors comprising a flexible conducting sheet member having longitudinal edges and foldable to form a substantially tubular enclosure with edges in abutment, at least one longitudinal conducting septum element integrally formed at one longitudinal edge only with said conducting sheet member and free at an opposite longitudinal edge, said septum element having a height from the shield member to said free edge at least equal to the diameter of said conductors, and coacting separable fastener members affixed to said edges of said sheet member.

2,585,055
CABLE TERMINAL CONNECTOR

Orrin H. Thomas, Williamsport, and Theodore E. Snyder, South Williamsport, Pa., assignors to Peter Zayac, Johnson City, Joseph Marconi, Endicott, and Henry C. Schloer, Vestal, N. Y., a partnership

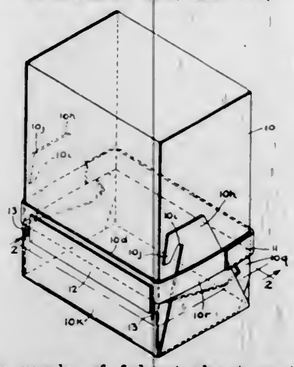
Application May 5, 1948, Serial No. 25,166
2 Claims. (Cl. 173—269)



1. In a battery terminal connector assembly, a cable end connector comprising a cylindrical body portion made of soft, corrosion-resistant metal, a collapsible shell of conductive metal wholly contained within said body portion and defining a bore which opens through an end of said body portion for receiving the bared end of a battery cable, the inner end portion of said shell being imbedded in and supported internally against collapse by the metal of the body portion whereby the adjacent intermediate portion of the shell tends to retain its circular formation, the intermediate and outer end portions of the shell being unsupported internally whereby at least said outer portion may be collapsed, a hard metal reinforcing collar encircling the outer end portion of the shell and being embedded in said body portion, and a clamping screw threaded through said body portion and collar and engaging on the outer end portion of the shell and being adapted to collapse said outer end portion into clamping and conductive contact with the bared end of the bat-

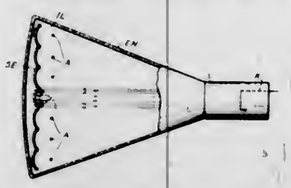
tery cable and thereby to effect reduction of the cross section of the portion of the bared cable end received therein with respect to that of the portion of the bared cable end received in the intermediate portion of the shell.

2,585,056
BOX FOR DISPLAYING CONTENTS
Marcus M. Tierney, St. Paul, Minn.
Application August 19, 1946, Serial No. 691,477
13 Claims. (Cl. 229—17)



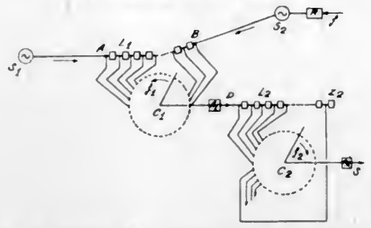
1. A box made of folded sheet material, the same being rectangular in transverse cross section and having a bottom portion swingable downwardly about one edge thereof, said box having an opening adjacent said bottom in the side opposite said edge, said bottom having side portions extending upwardly therefrom and having a front portion extending upwardly therefrom adapted to close said opening when said box is in closed position, and means on said box engaged by said side portions for holding said bottom in downwardly swung position, said front portion being swingable about the edge of said bottom opposite said first mentioned edge, and means for holding said front portion in swung position.

2,585,057
ELECTRON DISCHARGE APPARATUS
Abraham Isidore Vangeen, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 7, 1947, Serial No. 767,019
In Great Britain July 28, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires July 28, 1959
2 Claims. (Cl. 313—68)



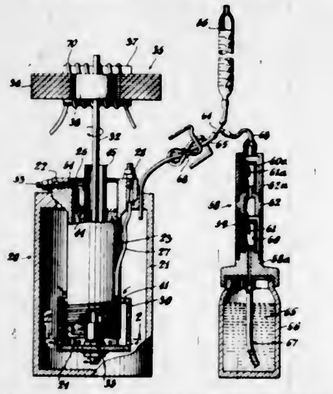
1. An electron discharge device comprising a source of electrons, a secondary emissive electrode spaced from said source and having a secondary emissive surface facing said source in the shape of a continuous curve whereby secondary electrons emitted by said electrode are focussed at a predetermined point and a collector electrode mounted in the path of said secondary electrons at said predetermined point.

2,585,058
TELEPHONE RADIO LINK TERMINATION
Henri Maurice Veaux, Saint-Leu-la-Foret, France
Application October 14, 1948, Serial No. 54,394
In France October 28, 1947
6 Claims. (Cl. 250—9)



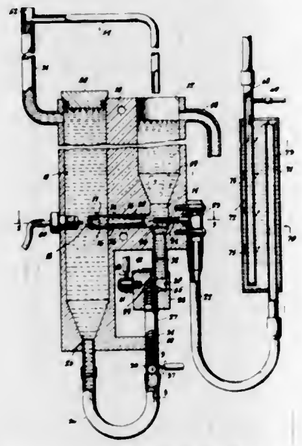
1. In a system for connecting a telephone circuit to a radio link, a subscriber's station, a radio receiver, a radio transmitter, a delay line connected between said subscriber's station and said receiver, a plurality of taps at spaced intervals on said delay line, a filter, switch means for repeatedly connecting said filter to said taps in sequence from the tap farthest removed from said subscriber's station to that nearest the said subscriber's station, whereby two groups of signals are produced at said filter having different frequencies, depending on the speed of operation of said switch means and the signal frequencies, said filter being designed to pass only the frequencies of the group of signals originating at the subscriber's station, and means for controlling said transmitter by the signals passed by said filter.

2,585,059
ELECTRICAL CELL APPARATUS FOR DETECTING CHEMICAL CHARACTERISTICS OF LIQUIDS
Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application December 24, 1946, Serial No. 718,228
14 Claims. (Cl. 204—195)



1. In electrical cell apparatus for detecting a chemical characteristic of a liquid, in combination, a pair of members with closely spaced opposing coaxial surfaces comprising similar figures of revolution and disposed to receive the liquid under test between the surfaces, each member having its said surface lying wholly along its corresponding figure of revolution and wholly encircling its axis throughout its axial extent, the inner one of said members including at least a multiplicity of conductive portions throughout its surface to constitute an electrode, the outer member completely surrounding all of the said conductive portions of the inner member, one of said members having associated means to rotate the same for agitation of the received liquid throughout the space which completely encircles the inner member between said inner member and the outer member, and one of said members including permeable means exposed on one side to the received liquid at least at a multiplicity of localities throughout its surface, means including another electrode on the other side of said permeable means for electrolytic connection to the liquid through said permeable means, and means electrically connected to said electrodes for detecting electrical effects representative of the aforesaid chemical characteristic of the liquid.

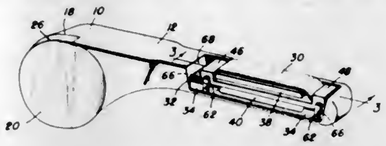
2,585,060
ELECTRICAL CELL APPARATUS FOR TESTING LIQUIDS
Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application March 5, 1948, Serial No. 13,277
10 Claims. (Cl. 204—195)



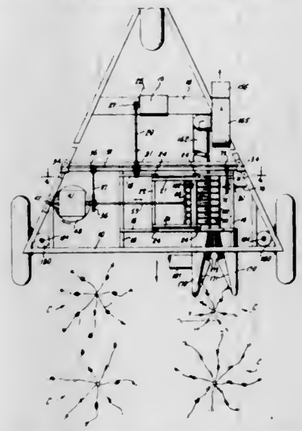
3. In electrical cell apparatus for detecting a chemical characteristic of a liquid, in combination, an elongated tubular structure open at both ends and having an electrode surface extending lengthwise inside thereof, conduit structure extending from one end of the tubular structure to the other, to provide a liquid circulating system for travel of liquid through the tubular structure, jet means opening into the conduit structure for continuously introducing liquid, said conduit structure containing abrasive particles to be entrained by the liquid and carried thereby through the tubular electrode structure in sweeping, abrasive contact with the said electrode surface, and passage means opening into the conduit structure for discharge of liquid therefrom.

2,585,061
FABRIC STRIP AND HOLDER THEREFOR
Alfred B. Wester, Jr., Woodbury, N. J.
Application September 10, 1948, Serial No. 48,587
12 Claims. (Cl. 15—231)

6. A fabric strip holder comprising an elongated support having spaced upper and lower stationary walls, an elongated clamping plate disposed between the upper and lower walls of said support, means pivotally securing the ends of said clamping plate to one of said walls for swinging movement of said clamping plate toward and away from said lower wall, and means engaging said pivot means for locking said clamping plate against said lower wall.



2,585,062
RECIPROCATING SPINDLE TYPE COTTON HARVESTER
Albert W. Weems, Meridian, Miss.
Application March 15, 1947, Serial No. 734,895
13 Claims. (Cl. 56—41)

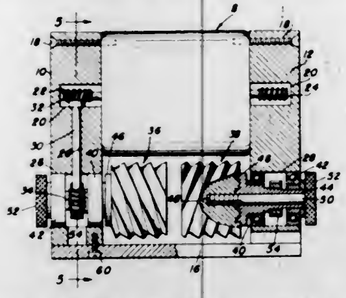


1. A cotton picking machine, comprising a reciprocatable bank of continuously rotatable spindles arranged in a plurality of rows, each of said spindles having longitudinally extending serrated ribs, a stationary bank of strippers, each of the strippers being carried by and rotatable with one of the spindles and having a longitudinally extending bore to slidably receive the ribbed spindle, to permit reciprocation of said spindles therethrough, a power unit, driving connections between said power unit and said bank of spindles to effect rapid continuous rotation of each of the spindles and reciprocation of the bank of spindles as a unit into and out of a row of plants from one side thereof, and shutters vertically mounted for movement adjacent each vertical row of spindles intermediate the forward end of the strippers and the outward limit of reciprocal movement of the spindles, and operable in timed relation to the reciprocation of the bank of spindles to form a confined passageway adjacent the forward end of the strippers when the spindles are in fully retracted position.

2,585,063
SAW SHARPENER WITH MOTOR-DRIVEN ROTARY SHARPENERS
Cyril J. Weyrauch, Ray, N. Dak.
Application June 16, 1950, Serial No. 168,423
5 Claims. (Cl. 76—38)

1. A straight saw blade sharpening device of the class shown and described comprising an electric motor, a pair of spaced parallel head

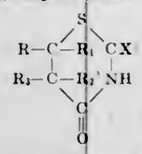
plates secured to the respective ends of said motor, corresponding end portions of said plates having bearing means incorporated therein, tubular shafts mounted in the respective bearing means, the opposed inner ends of said shafts being provided with tool mounting heads, tools detachably mounted on said heads, clamping bolts



mounted in said shafts and connected with said tools, said electric motor having power transmitting shafts projecting from its opposite ends into recesses provided therefor in said head plates, operating connections between said tubular and motor shafts, and a pair of spaced parallel guide plates attached to said head plates and parallel to said motor.

2,585,064
META-THIAZINES
Keith W. Wheeler, Wyoming, and Virgil W. Gash, Cincinnati, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application February 10, 1950, Serial No. 143,592
2 Claims. (Cl. 260—243)

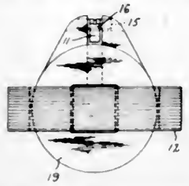
1. Compounds of the formula



in which R, R_1, R_2 and R_3 are selected from the class consisting of hydrogen, lower alkyl, phenyl, lower alkoxy substituted phenyl, and lower alkyl substituted phenyl radicals, with the proviso that at least one is selected from the group consisting of lower alkyl, phenyl, lower alkoxy substituted phenyl and lower alkyl substituted phenyl, and X is a radical selected from the group consisting of =O and =NH.

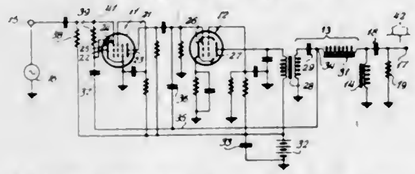
2,585,065
COMBINED MAGNETIC TRANSDUCER HEAD AND COUPLING TRANSFORMER
David E. Wiegand, Villa Park, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
Application December 24, 1947, Serial No. 793,727
6 Claims. (Cl. 179—100.2)

1. A combined electromagnetic transducer head and transformer comprising a single core having an edge thereof slotted to provide a pair of confronting poles over which a traveling magnetic record member is arranged to pass, a relatively high impedance winding on said core, and a relatively low impedance winding on said core, a portion of said low impedance winding lying in said slot and additional portions of said low impedance winding lying along either side



of said poles thereby providing eddy current shields which concentrate the flux in the record member.

2,585,066
PULSE GENERATOR
Jefferson R. Wilkerson, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Original application June 14, 1944, Serial No. 540,322. Divided and this application July 28, 1948, Serial No. 41,116
5 Claims. (Cl. 250—27)

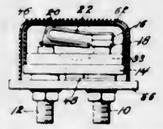


1. A pulse generator comprising in combination, a voltage amplifier having an input terminal to which a sine wave source may be connected, a power amplifier with an input coupled to the voltage amplifier, a tuned circuit coupled to the output circuit of the power amplifier, a non-linear coil connected to said tuned circuit, an output terminal coupled to said non-linear coil at which the peak wave output may be obtained, a negative feedback coupling between said tuned circuit and the input to the power amplifier, and an automatic volume control device coupled to said tuned circuit and to the input of said voltage amplifier.

2,585,067
PRODUCTION OF 1-ACETOXY-3-BUTEN-2-ONE
Joseph M. Wilkinson, Jr., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 10, 1950, Serial No. 189,488
4 Claims. (Cl. 260—488)

1. A method of preparing 1-acetoxy-3-buten-2-one which comprises heating 1,4-dihydroxy-2-butanone with excess acetic anhydride in an inert solvent.

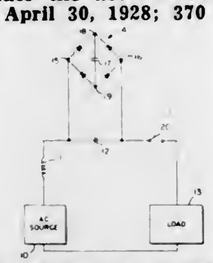
2,585,068
ELECTRICAL CIRCUIT BREAKER
Morris B. Wood, Newbury, Mass.
Application February 28, 1947, Serial No. 731,461
7 Claims. (Cl. 200—113)



4. An overload circuit breaker having a movable contact, terminal posts and a contact fixed

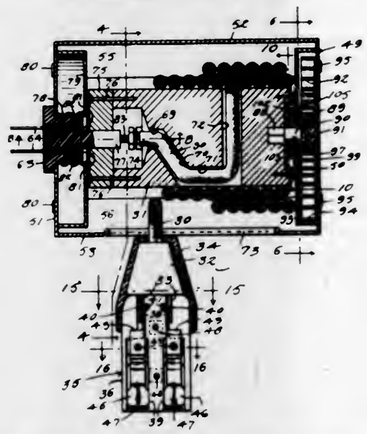
to one of the terminal posts, in combination with an integral bimetallic strip formed with a main contact opening portion and an auxiliary contact closing portion secured in heat and electrical conducting relation to the main portion and directly in heat and electrical conducting relation to the other of said terminal posts, the auxiliary portion having a substantially higher resistance per unit of length than the main portion.

2,585,069
ELECTRICAL CIRCUIT FOR PREVENTING EXCESSIVE TRANSIENTS
Hans K. Ziegler, West Long Branch, N. J., assignor to the United States of America as represented by the Secretary of the Army
Application February 23, 1951, Serial No. 212,476
5 Claims. (Cl. 171—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



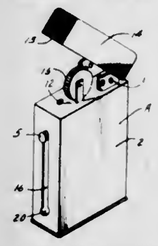
5. An electrical circuit comprising an alternating current source having a prescribed output frequency, an inductive reactance and a compensating capacitive reactance in electrical series arrangement with said source, the resonant frequency of said inductive and capacitive reactance being substantially equal to said prescribed frequency, and means in circuit with said capacitive reactance responsive only to transients whereby said resonant frequency is effectively reduced for the duration of said transients.

2,585,070
RETRACTABLE ELECTRIC EXTENSION CORD SWITCH
Roger G. J. Allard, Richmond, Vt.
Application May 27, 1949, Serial No. 95,718
5 Claims. (Cl. 200—153)



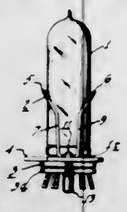
2. A retractable electric extension cord unit of the character described comprising a casing having spaced end walls, a cup-shaped member secured to one of said end walls disposed within the casing and having an open end in abutting engagement with said end wall, a cylindrical roll journaled in the casing and disposed longitudinally thereof between the cup-shaped member and other end wall, a disk secured to a first end of said roll and located adjacent said other end wall and formed of electrical insulating material, a pair of arcuate contact plates each adapted to be connected to a source of electric current, means supporting the contact plates in electrically insulated relationship to one another rigidly in the casing adjacent said other end wall, a pair of screws slidably carried by said disk in parallel relationship to one another and movable into electrical contact with said contact plates when the plates and screws are in diametrical alignment, spring means bearing on and yieldably urging the screws slidably toward and into engagement with said plates, a two conductor extension cord wound about said roll having one end disposed axially of the roll and adjacent said disk and the other end extending radially from the roll outwardly of the casing, terminal means connecting said screws to the conductors of the extension cord at said first mentioned end thereof, said cup-shaped member having a central opening, means including a shaft journaled in said central opening of the cup member and providing a journal for the other end of the roll, a spiral spring disposed in said cup-shaped member having one end secured to the side wall thereof and its other, inner end secured to said shaft, said spring being arranged to be wound as the roll is revolved in a direction to pay out the extension cord from the casing whereby the cord is retracted as the roll is rotated in the opposite direction under the biasing action of said spiral spring for rewinding the cord on the roll.

2,585,071
CIGARETTE LIGHTER
Lawrence A. Allen, Cleveland, Ohio
Application January 15, 1948, Serial No. 2,441
1 Claim. (Cl. 67—7.1)



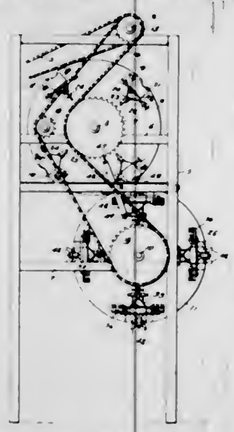
In a cigarette lighter in combination with a standard "lighter" mechanism with means for operating same inclosed within a portion of a rectangular case, a compartment occupying all the length and part of the width not occupied by said "lighter" mechanism in said case, a vertical slot in the wall of the case furthest from said "lighter" mechanism and positioned parallel to the length of said compartment, circular apertures at both ends of said slot, a button mechanism operating by depressing same to open the top or lid for said "lighter" mechanism and an attachment of an accessory, such as a key, within said compartment, the said button mechanism further operating to expose the said attached accessory by the sliding of such mechanism downward in said slot to a position in the opposite aperture, and the said accessory being withheld for use in said exposed position outside of said compartment.

2,585,072
MINIATURE TUBE HOLDER
Matthew R. Alexy, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 21, 1947, Serial No. 787,423
1 Claim. (Cl. 248—361)



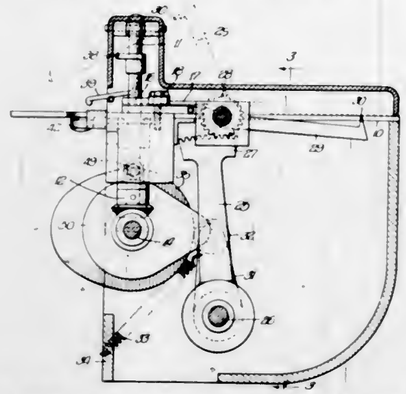
A holder for a cylindrical electrical component, said holder being fabricated of spring metal and comprising a pair of oppositely located U-shape members each having substantially parallel upstanding arms, said U-shape members being mounted with their upstanding arms arranged to bear against said component at diametrically opposite points on the cylindrical surface to apply a restraining force thereto, and a pair of outwardly extending curved arms each connecting an upstanding arm of one of said U-shape members with the corresponding arm of the other of said U-shape members, each of said curved arms lying in a plane extending at an acute angle to the plane of the arms which it connects, and adapted to bear against the arcuate portions of the cylindrical surface of said component which lie between adjacent ones of said points on said surface.

2,585,073
PEACH PITTING MACHINE
Eston Altman, Valdosta, Ga.
Application February 9, 1949, Serial No. 75,391
6 Claims. (Cl. 146—28)



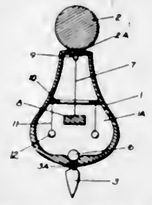
1. A peach pitting and slicing machine, comprising an upright frame, upper and lower discs operating in vertical parallel planes, mounted on the frame, the peripheries of said discs contacting, blades mounted on the upper and lower discs at the peripheries thereof, with their cutting edges disposed outwardly, laterally movable peach supporting cups mounted on the lower disc in spaced relation with respect to each other, said cups extending beyond the periphery of the disc, said cups embodying sections, mounted for sliding movement towards and away from each other, adjacent to the blades of the lower disc and between which sections the blades of the discs move in cutting peaches held in the cups, and pivoted laterally swinging blades mounting on opposite sides of the discs adjacent to the cups engaging the cut peaches, separating the cut sections of the peach from the pit held between the blades of the discs, and means for operating said laterally swinging blades.

2,585,074
CARTON SETUP MACHINE
Lawrence E. Arneson, Morris, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application July 12, 1947, Serial No. 760,540
12 Claims. (Cl. 93—53)



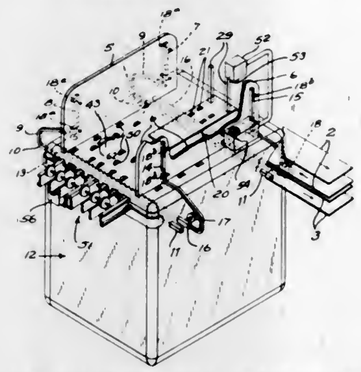
1. A machine for setting up collapsed cartons characterized by a pair of opposed side walls connected by a fold line, a bottom extending between and hinged to said side walls on further fold lines, and end wall panels hinged to and folded between said side walls in the collapsed, knock-down condition of the carton, which comprises, in combination, mechanism for holding a portion of one side wall of the carton in fixed position, mechanism for opening the carton by folding the other side wall and bottom about said first named and further fold lines, and mechanism for manipulating the folded end wall panels to opened and interlocked set-up position at a right angle to said side walls, said last named mechanism including means acting on a portion of said end wall panel to urge the same in a direction outwardly of the carton.

2,585,075
POSTURE TRAINING DEVICE
Peter Badovinac, Cleveland, Ohio
Application June 10, 1949, Serial No. 98,238
2 Claims. (Cl. 35—29)



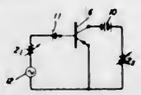
1. A posture warning device comprising a hollow metal body, a flat circular formed part with an extended neck adapted to be attached at the upper extremity of said body, a clamping means fixed permanently on the one side of said flat part, a disc-like body centrally suspended by flexible means of support within said hollow metal body, and a number of balls suspended by flexible supporting means circumferentially around said centrally suspended body, said centrally suspended body being free to swing and impinge upon the flexible means of support of said circumferentially supported balls causing same to strike the inner surface of said hollow metal body.

2,585,076
BOX BLANK HANDLING MACHINE
James Bandura, Astoria, Raymond J. Baisley, Hempstead, and Joseph Pfeffer, New York, N. Y., and Clifford D. Keely, West Englewood, N. J., assignors to General Corrugated Machine Company Inc., Palisades Park, N. J., a corporation of New Jersey
Application February 14, 1948, Serial No. 8,476
1 Claim. (Cl. 214—6)



In a box blank receiving, stacking and delivering device, a stable for receiving the blanks flatwise and having anti-friction blank supporting elements therein, a first target against which the leading edge of each of said blanks impinges, a rebound target opposite said first target and a vertically extending pusher device on said carriage and between said targets and means to move same to eject the stacked blanks, said targets and said pusher device acting upon the pile of received blanks to cause them to form a stack with the edges of the stack in approximate vertical alignment, anti-friction rollers supporting the formed stack and a spring clip device raising the first received blank above said rollers but being responsive to the weight of a plurality of said blanks to permit the formed stack to be supported by said rollers.

2,585,077
CONTROL OF IMPEDANCE OF SEMICONDUCTOR AMPLIFIER CIRCUITS
Harold L. Barney, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 6, 1948, Serial No. 58,684
8 Claims. (Cl. 179—171)



1. An amplifier network having an adjustable input impedance which comprises a transistor comprising a semiconductive body, a base electrode, an emitter electrode and a collector electrode cooperatively associated therewith, said transistor being characterized by a ratio of short-circuit collector current increments to emitter current increments which, under proper conditions of electrode bias is greater than unity, means including an energy source for establishing said proper bias conditions, an input circuit interconnecting said base electrode and said emitter electrode, an output circuit interconnecting said emitter electrode and said collector electrode, and a load connected in said output circuit, the effective resistance R_2 of said load being proportioned in accordance with the formula

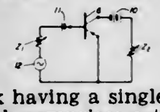
$$R_{in}=r_b+\frac{r_e(r_c+R_2)}{r_e+r_c+R_2-r_m}$$

where

r_e=emitter resistance of the transistor
r_b=base resistance of the transistor
r_c=collector resistance of the transistor
r_m=mutual resistance of the transistor
R_{in}=input resistance of the transistor network

to cause the input impedance of the network to have a desired value.

2,585,078
NEGATIVE RESISTANCE DEVICE UTILIZING SEMICONDUCTOR AMPLIFIER
Harold L. Barney, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 6, 1948, Serial No. 58,685
8 Claims. (Cl. 179—171)



1. A network having a single pair of accessible terminals which comprises a transistor comprising a semiconductive body, a base electrode, an emitter electrode and a collector electrode cooperatively associated therewith, said transistor being characterized by a ratio of short-circuit collector current increments to emitter current increments which, under proper conditions of electrode bias is greater than unity, the transistor parameters having values such that

$$r_m>r_e+r_c+\frac{r_e r_c}{r_b}$$

where

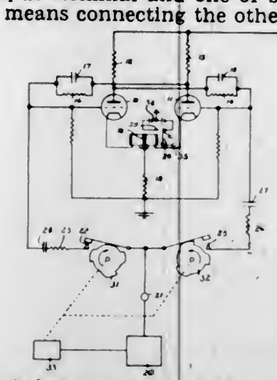
r_e=emitter resistance of the transistor
r_b=base resistance of the transistor
r_c=collector resistance of the transistor
r_m=mutual resistance of the transistor

means including an energy source for establishing said proper bias conditions, one of said two terminals being directly connected to said collector, and the other of said two terminals being directly connected both to said base and to said emitter, whereby the impedance presented by said network at said terminals is negative.

2,585,079
SIGNAL GENERATOR
Raymond Beaufoy, Taplow, England, assignor to British Telecommunications Research Limited, Taplow, England, a British corporation
Application September 29, 1950, Serial No. 187,562
In Great Britain October 12, 1949
3 Claims. (Cl. 178—79)

1. A signal generator comprising a source of regularly-recurring pulses, an output terminal

for said source, a flip-flop circuit having two input terminals, two pairs of contacts, means connecting one of said pairs of contacts between said output terminal and one of said input terminals, means connecting the other of said pairs



of contacts between said output terminal and the other of said input terminals, two cams for opening and closing said two pairs of contacts respectively, and means to rotate said cams at a speed fixedly related to the recurrence frequency of said pulses.

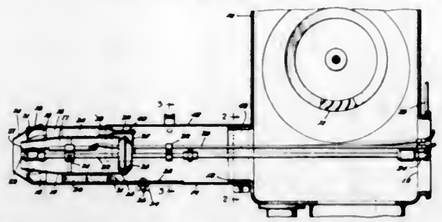
2,585,080
WIRE STRIPPING PLIERS
Ezra J. Beaulieu and Robert E. Thompson, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 27, 1948, Serial No. 29,438
2 Claims. (Cl. 81—9.5)



1. A tool for circumferentially severing and stripping insulation from the end of a wire comprising a pair of pivoted jaws formed and cooperating when closed to provide a recess open at one side of the jaws, each of the jaws having a half-round cutting edge formed in the opposite sides of the jaws in opposed faces thereof cooperating to form an annular cutting hole communicating with said recess when said jaws are closed and of a diameter to freely receive a wire but to circumferentially sever the insulation thereon and providing an abutment for the severed insulation when stripped from the wire, and a wire guide member carried by one of said jaws, said member having a slotted portion extending into said recess and spaced from the walls thereof for supporting and guiding the wire into operative position as said jaws are closed, an inner half-round formation of said slot being coaxial with said cutting hole.

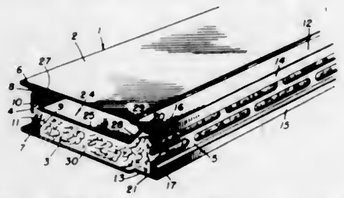
2,585,081
COMBUSTION APPARATUS FOR LIQUID FUEL
George Bernhard, Hewlett, N. Y., assignor of one-half to Charles Bernhard, Great Neck, N. Y.
Application May 5, 1948, Serial No. 25,152
6 Claims. (Cl. 158—76)

1. Combustion apparatus comprising a housing having a front opening, a blast tube projecting from said opening, an inner tube within said blast tube longitudinally adjustable therein, an adjustable valve head at an end of said inner tube, and adjusting means at opposite sides of



the blast tube, one said adjusting means being attached in part to the blast tube and in part to the inner tube and the other adjusting means being carried in part by the inner tube and in part by the valve head.

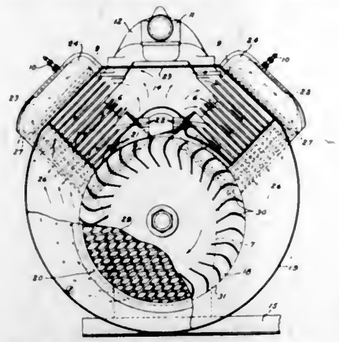
2,585,082
INSULATED METAL PANEL
George H. Bollinger, Jr., Sidney, Ohio
Application January 2, 1947, Serial No. 719,851
1 Claim. (Cl. 189—34)



A panel of rectangular form comprising a pair of laterally spaced side plates, a pair of edge strips, said plates and said edge strips having longitudinal interlocking channel edges securing the strips and plates together, means in said panel forming air insulating pockets on one side of the panel comprising hollow open-top rectangular pans arranged in end-to-end engaging relation and having at one side thereof a lateral edge flange fitting between one of the side plates and a channel edge of one edge strip to hold the pans in place at said flanged side thereof and insulation material between said pans and the other side plate, said pans opposite the laterally flanged side thereof being provided with a right angled side fitting flush against and being fixed to and supported by the channel edge of said one side plate.

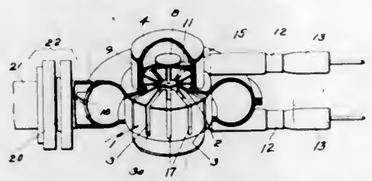
2,585,083
COOLING SYSTEM FOR V-ENGINES
Christian H. Bouvy, Milwaukee, Wis., assignor to Le Roi Company, West Allis, Wis., a corporation of Wisconsin
Application March 7, 1949, Serial No. 79,979
1 Claim. (Cl. 123—41.65)

An air cooled heat engine comprising, a main horizontal engine shaft, cylinders radiating upwardly from said shaft to provide an unobstructed intervening V-space converging from the shaft, the cylinders on opposite sides of said space being connected by exhaust manifolds disposed above said space and each cylinder having a circular wall embraced by parallel annular fins forming downwardly and outwardly inclined passages in open communication with said space, end heads at the upper ends of said cylinders spanned by parallel rectilinear fins forming outwardly and downwardly inclined straight passages also in open communication with said space, a casing enclosing said cylinder fins and having restricted outlet openings for the adjacent passages and also covering the upper sides of said head passages and extending across



one end of the widest upper portion of said space beneath the manifolds, and a blower directly operable by said shaft to deliver air into the opposite end of said space and downwardly and outwardly therefrom through all of said passages and said outlets.

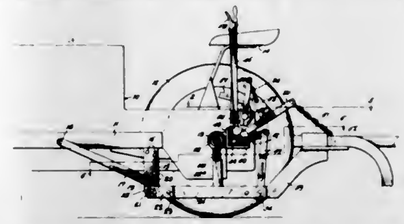
2,585,084
ELECTRON DISCHARGE DEVICE OF THE MAGNETRON TYPE
William C. Brown, Watertown, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 16, 1943, Serial No. 506,608
10 Claims. (Cl. 315—39)



1. An electron-discharge device comprising: a cathode, an anode, said anode having a plurality of grooves therein and an electron-receiving portion intermediate each pair of adjacent grooves; said grooves constituting primary cavity resonators; a secondary cavity resonator opening into and adapted to be excited from said primary cavity resonators; and means mounted in and shorting some of said primary cavity resonators whereby oscillatory energy from the remaining primary cavity resonators can enter into said secondary cavity resonator at a plurality of selected points spaced along said secondary cavity resonator.

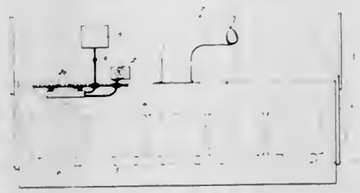
2,585,085
HITCH FOR TRACTOR-DRAWN PLOWS
Jesse F. Brown, Lebanon, Tenn.
Application February 4, 1949, Serial No. 74,591
1 Claim. (Cl. 97—50)

An apparatus of the character described comprising, in combination, a tractor having a frame, a plow adapted to be drawn by said tractor, a hitch for interconnecting the plow and the tractor, means for regulating the penetrability of the plow into the ground and means for controlling the angular relation of the plow to the ground, said means for regulating the penetrability of the plow including a transversely extending power shaft carried by said tractor, a rearwardly extending yoke having its legs pivotally connected at each side of said tractor, a pair of levers affixed to said shaft, an ear extending upwardly from each leg of said yoke, a chain interconnecting each ear with one of said levers affixed to said shaft, and a chain interconnecting the



bight portion of the yoke with the upper rear portion of said plow whereby to raise and lower the same, and said means for controlling the angular relation of the plow including an operating lever mounted upon each side of the tractor and linkage and levers interconnecting each of the operating levers with its respective side of the front of the plow whereby to tilt the same.

2,585,086
THERMOMETER AND METHOD OF DETERMINING TEMPERATURE IN A VACUUM COOLING CHAMBER FOR COOLING VEGETABLES
Rex L. Brunsing, San Francisco, Calif., assignor to Vacuum Cooling Company, San Francisco, Calif., a corporation of Nevada
Application February 14, 1950, Serial No. 144,186
9 Claims. (Cl. 62—152)

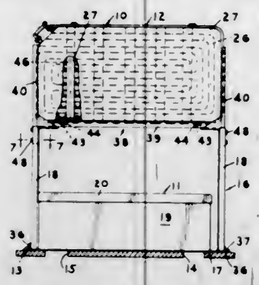


1. The method of causing a thermometer to follow the temperature variations within a body of leaf vegetables in a vacuum cooling system and which vegetables have vaporizable surface moisture thereon that comprises the steps of placing said thermometer and said body of vegetables within an enclosed space and in spaced relation therein, withdrawing air from within said space to cause evaporation of said moisture and consequent cooling of said vegetables, and simultaneously enclosing said thermometer within a thin layer of water in heat transfer relationship thereto and with said layer subjected to the influence of the reduced air pressure within said space, continuously conducting water from outside said space through said space and to said thermometer at a rate of speed sufficient to maintain said film substantially constant.

2,585,087
REFRIGERATING ASSEMBLY FOR MOBILE EQUIPMENT
Lauren R. Burr, Lansing, Mich., assignor to Kold Hold Manufacturing Company, Lansing, Mich., a corporation of Michigan
Application October 18, 1948, Serial No. 55,136
4 Claims. (Cl. 62—117)

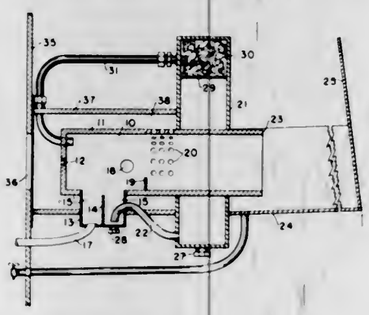
1. A refrigerating unit for cooling a compartment in a vehicle while in transit and separated

from energizing means, comprising an electric motor, a compressor and accessories, a thermally insulated housing for completely enclosing the same, a hold-over cold storage and heat exchange element including the evaporator located external to said housing and together therewith



adapted to be placed in the compartment to be cooled, and means for intermittently connecting said electric motor with a stationary source of electrical energy operating only when the vehicle is at a station, thereby renewing the cold storage.

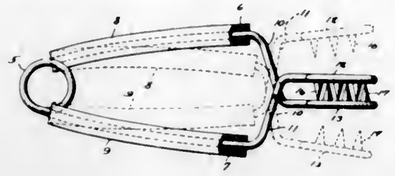
2,585,088
VAPORIZING OIL BURNER
Seaborn W. Burch, Sr., College Park, Ga.
Application August 5, 1949, Serial No. 108,729
6 Claims. (Cl. 158—82)



1. In an oil burner, a member forming a combustion chamber, means for supplying air to said combustion chamber, a pilot light pit communicating with said combustion chamber, means forming a vaporizing chamber in heat exchange relation with said combustion chamber, means for supplying fuel oil to said pit, means for syphoning fuel oil from said pit into said vaporizing chamber, and means connecting the upper part of said vaporizing chamber to said combustion chamber for conducting vapor from said vaporizing chamber into said combustion chamber so as to be ignited by said pilot light.

2,585,089
RESILIENT CLAMP
Ford Weddington Caldwell and John Pinkney Sharp, Humboldt, Tenn.
Application November 16, 1949, Serial No. 127,692
1 Claim. (Cl. 24—261)

A fishing boat anchor comprising a single length of wire material of circular cross section formed intermediate its ends with a spring loop, said length of wire material including arms diverging forwardly from said loop to provide hand grips, the forward portions of said arms being extended in forwardly converging relation and crossing adjacent the front end of the anchor, each of said forward portions being formed into a plane, oblong loop of closed formation, plates filling and secured to the respective loops, each of said plates being formed with a continuous peripheral groove of semi-circular cross section receiving one of said loops, and coni-



cal sharply pointed teeth mounted on the inner surfaces of the respective plates, said teeth being disposed in alternating relation and being adapted to grip an object, the teeth of one plate being spaced wholly from one another and from the teeth of the opposite plate, the pointed ends of the teeth of one plate engaging against the surface of the other plate in the areas intervening between the teeth of said other plate.

2,585,090
SELF-ADJUSTING WRENCH
Francis J. Carnelli, New York, N. Y.
Application September 24, 1948, Serial No. 50,989
3 Claims. (Cl. 81—101)

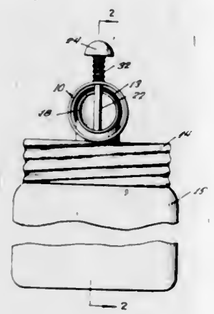


1. A wrench which comprises a handle having at its upper end a fixed jaw having a serrated jaw face, said handle having a fixed frame projecting rearwardly therefrom and spaced below said jaw face, said frame being slotted vertically and from side to side so as to form transversely spaced windows, the lower surfaces of upper portions of said frame windows having downwardly convex formations, said handle having transversely spaced protuberances extending rearwardly into said frame windows, a movable jaw having a jaw face opposed to the jaw face of said fixed jaw and having a stem extending downwardly through the vertical slot in said frame, a collar mounted within said slot and on said stem, said collar extending into said windows and having an upper surface bearing against and slidable on said convex formations and a spring between said collar and bottom portions of said frame windows to press said collar against said convex bearing surface and against said protuberances.

2,585,091
SIDE CHAIN HALOGENATION OF ALKYL THIOPHENES
John T. Clarke, Columbus, Ohio, assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 14, 1947, Serial No. 786,139
6 Claims. (Cl. 260—332.5)

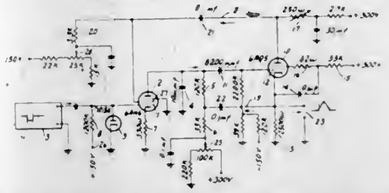
1. In the halogenation of alkyl thiophene compounds, the method of preferentially effecting substitution of the side chain which comprises reacting an alkyl thiophene compound with halogen at a temperature between about 450 and 750° F. and at a space velocity of at least 50 volumes of alkyl thiophene per hour per volume of reactor space.

2,585,092
FOAM GENERATING APPARATUS
Dominic Conto, Sheboygan, Wis.
Application October 18, 1949, Serial No. 121,911
2 Claims. (Cl. 261—76)



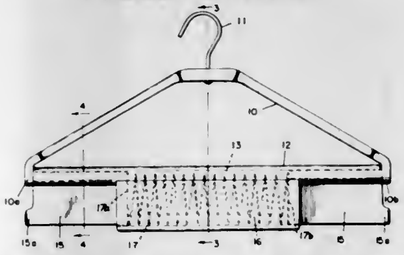
1. An apparatus for generating foam comprising a tubular nozzle adapted to be connected at one end to a compressed air conduit, a closure member carried by the nozzle, a container removably secured to said closure member, a first tube extending perpendicularly through the side wall of said nozzle and through the closure member, said tube communicating with the interior of the container and having its end within the nozzle obliquely terminated and forming a baffle facing the end of the nozzle connectable with the compressed air conduit, whereby the air entering the nozzle is directed through the tube into the container, a second tube perpendicularly arranged in the nozzle and the container and extending into the container below the first tube, said second tube having its end within the nozzle angularly cut away and facing the discharge end of the nozzle, a stem slidably disposed transversely through the nozzle and disposed through the first tube, an angular bend on the lower end of the stem, said bend terminating in a valve head positionable in the lower end of the second tube, a piston slidably mounted for limited movement on the stem and means for urging said piston into seated engagement of the lower end of the first tube, an enlarged head on the outer end of the stem, spring means on said stem between the nozzle and head for urging the valve head into seated engagement of the second tube and means on said stem for disengaging the piston from the first tube upon inward movement of the stem.

2,585,093
TRIANGULAR PULSE GENERATOR
Edgar M. Creamer, Jr., Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 28, 1948, Serial No. 23,681
4 Claims. (Cl. 250—27)



1. In a circuit for generating triangular pulses: a capacitor, a source of unidirectional potential, a resistive network connecting said source to said capacitor, a control device connected in shunt with said capacitor, means rendering said device alternately non-conducting and conducting whereby said capacitor tends to charge when said control device is non-conducting and to discharge when said control device is conducting, an amplifier having its input terminals connected across said capacitor, a first feedback circuit extending between an output circuit of said amplifier and said resistive network for rendering more constant the rate of charge of said capacitor, and a second feedback circuit extending between a further output circuit of said amplifier and said control device for modifying the conduction characteristics of the latter for rendering more constant the rate of discharge of said capacitor.

2,585,094
GARMENT HANGER
Angelo D'Ambrosio, Herkimer, N. Y.
Application May 10, 1949, Serial No. 92,417
7 Claims. (Cl. 223—88)

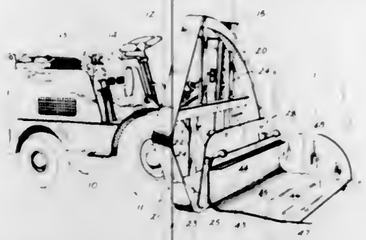


1. In a garment hanger of the class described, a horizontal trackway, a pair of garment-engaging members provided with means at their upper portions for slidable suspension in said trackway and having garment engaging portions located on a level below said trackway, an open ended housing depending from a central portion of said trackway in alignment with the garment-engaging members and into which said members may be telescoped, and means in the housing and at a level below said trackway yieldably urging said members outwardly.

2,585,095
SIDE-DUMPING SCOOP
Lee C. Daniels, Cleveland, Ohio, assignor to Towmotor Corporation, Cleveland, Ohio, a corporation of Ohio
Application February 19, 1948, Serial No. 9,388
10 Claims. (Cl. 214—121)

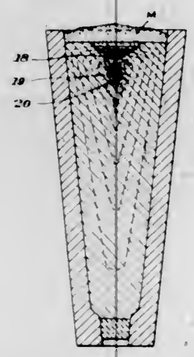
1. A dump scoop for an industrial lift truck embodying a mast having a reciprocative carriage

thereon, mechanism for dumping said scoop comprising a frame mounted on said carriage, a scoop pivoted at one end thereof for side-dumping and pivoted parallel the plane of the carriage for



front-dumping, a latch for the retention of the scoop in its operative position, and a hydraulic jack intermediate the frame and scoop for actuating the scoop in side-dumping positions.

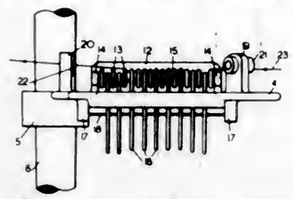
2,585,096
METHOD OF MAKING AN INGOT
George A. Dornin, deceased, late of Youngstown, Ohio, by Florence L. T. Dornin, executrix, Warren, Ohio, assignor to George A. Dornin, Jr., Warren, Ohio
Application February 20, 1947, Serial No. 729,777
3 Claims. (Cl. 29—160.4)



1. The method of forming an ingot which comprises casting the entire side surface of a big end up ingot of fully deoxidized steel against a chill mold, said ingot having a slenderness ratio from 1.75 to 3.75 and a taper of 7 to 15%, thereby forming an ingot having at its top a central core including unsound metal surrounded by a zone of sound metal and displacing said zone of sound metal axially of the ingot to isolate the core including the unsound metal.

2,585,097
TEXTILE APPARATUS
Thomas Eccles and Harold Halkyard, Spondon, near Derby, England, assignors to British Celanese Limited, a company of Great Britain
Application September 9, 1949, Serial No. 114,762
In Great Britain October 8, 1948
7 Claims. (Cl. 242—154)

1. A yarn tensioning device comprising a series of circular rings through which in succession a yarn can pass so as to make frictional contact with the inner surfaces of said rings, and a series of elements alternating with said rings and adapted, in conjunction with said rings, to constrain said yarn to follow a zigzag path, said



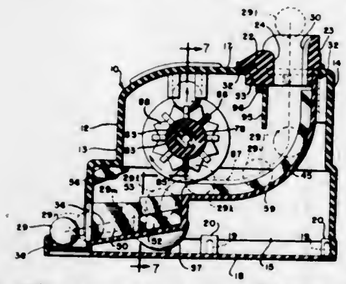
rings being freely rotatable in the planes of said rings about their centers.

2,585,098
GENERAL UTILITY GRIPPING TOOL
Howard R. Elliott, Long Beach, Calif.
Application December 15, 1947, Serial No. 791,768
3 Claims. (Cl. 294—100)



1. A general utility gripping tool comprising a pair of flat spring strips of the same length arranged in side by side relationship with one of their flat sides in confronting relationship, a knob-like member surrounding one of the corresponding ends of said strips and secured to said ends, the end portions of said strips opposite said member extending divergently outwardly toward the opposite ends of said strip and terminating at said opposite ends in fingers extending generally toward each other, a flat, elongated, tubular element surrounding the said strips between said member and said end portions and slidable on said strips toward said fingers for causing said divergent end portions and said fingers to move toward each other, said member being adapted to fit against the palm of the hand when the thumb and forefinger of said hand are adapted to grasp said element at a point intermediate its ends and adjacent but spaced from said member when the said element is in substantial engagement with said member, and a relatively thick sleeve secured to said element at said point for engagement by said fingers.

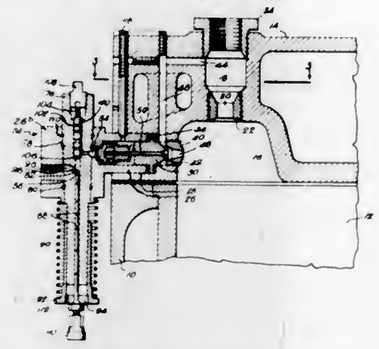
2,585,099
QUIZ GAME APPARATUS
George W. Emmert, Chicago, Ill.
Application May 14, 1947, Serial No. 747,909
5 Claims. (Cl. 35—9)



1. In quiz game apparatus, the combination comprising a number of inclined ball-receiving chutes presenting alternative choices for selection, a weighted element of a shape and construction such that it will move down a selected chute by gravitational force when placed on said chute

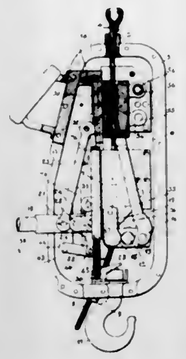
to designate a selection, rotatably supported means including a polygonal shaft, the number of sides of said polygonal shaft being equal to a multiple of the number of chutes, vane elements having central openings of a size and shape to fit onto said polygonal shaft and each having a number of radially projecting vanes thereon equal to said multiple, and said vane elements being mounted on said shaft for rotational movement therewith and in varying positions such that one vane at a time is disposed in a position substantially aligned with and transverse to an adjacent portion of one of the chutes, said one of the vanes being in a position to intercept and be moved by said weighted element.

2,585,100
FUEL PUMP AND NOZZLE FOR INTERNAL-COMBUSTION ENGINES
William V. Falcon, Revere, Mass.
Application June 2, 1947, Serial No. 751,832
4 Claims. (Cl. 299—107.2)



1. In an internal combustion engine of the fuel injection type, said engine including a cylinder head having a cylindrical aperture extending through its wall, an inner portion of said aperture being reduced forming a shoulder, and fuel injection pump plunger mechanism connected to supply fuel under pressure to said aperture, and in combination; fuel valve mechanism for delivering fuel in the form of a spray from said pump mechanism to said cylinder, said valve mechanism comprising a valve body having an inner portion in said aperture and an outer extension rigidly supporting said pump mechanism, the inner portion of said valve body having an enlarged internal bore connected at its outer end to said pump mechanism and open at its inner end, a spray valve seat member received in the open inner end of said bore and having a radial flange disposed in said aperture in fluid tight abutting engagement between said shoulder and the inner end of said valve body, said valve seat member having an axial fluid passage connecting said internal bore with the interior of said cylinder head, a spray valve member having a head normally closed against said valve seat and opening inwardly of said cylinder head and a stem slidable in said fuel passage with a loose fit to allow flow of fuel through said passage, a collar on said stem and a compression spring in said bore between said collar and said valve seat member holding said valve member normally closed, said spray valve member being forced open and forming a fuel spray jet in cooperation with the said valve seat when the fluid pressure generated by said pump overcomes the force exerted by said compression spring.

2,585,101
HAULING AND HOISTING GEAR
Simon Faure, Firminy, France
Application July 10, 1947, Serial No. 759,999
In France September 5, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 5, 1965
4 Claims. (Cl. 254—76)

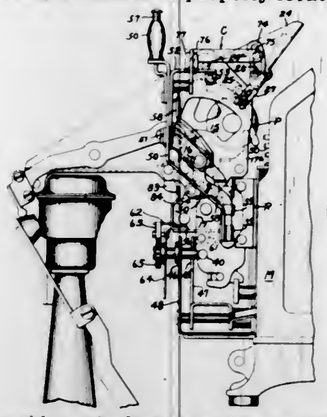


1. In a cable-operated hoisting and hauling gear, the combination of a frame, two jaw blocks adapted to move simultaneously and in opposite directions in the frame over the cable and including jaws adapted to engage and release said cable, and pivoting jaw-operating levers, a first control system adapted to shift the cable with reference to the frame and including a first lever pivotally secured to the frame, two links pivotally securing the outer ends of said lever with the two blocks, for moving same in opposite directions, means for constantly urging the jaws in the blocks into engagement with the cable and means whereby the movement of either block in a predetermined direction releases the jaws in the block considered, and a second control system adapted to provide for the opposed progressive movement of the cable with reference to the frame comprising a second lever pivotally secured to the frame, two further links pivotally connecting the outer ends of said second lever with the jaw-operating levers in the blocks for constraining said blocks to move in opposite directions and the jaws therein to open when the corresponding block moves in the direction opposed to the first predetermined direction.

2,585,102
PAPER GUIDE MEANS FOR BUSINESS MACHINES
Arthur J. Fettig, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application January 24, 1950, Serial No. 140,173
5 Claims. (Cl. 197—142)

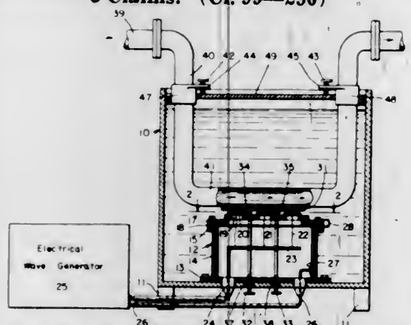
1. In a calculating machine having controllable function performing means, adjustable control elements controlling said means, means to receive and hold various work forms to receive entries in various columns thereon, a manually adjustable control member, and means operable by said control member to adjust said control elements to vary the program of functions to be performed by the function performing means, the combination of adjustable work form locating members on said receiving and holding means, and adjusting means operable by said

manually adjustable control member to adjust said locating members to properly locate selected



ones of said work forms in the receiving and holding means.

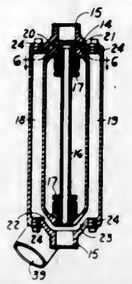
2,585,103
APPARATUS FOR ULTRASONIC TREATMENT OF LIQUIDS
Bloyce D. Fitzgerald, Whittier, Calif., assignor to Otis A. Brown, Whittier, Calif.
Application March 8, 1948, Serial No. 13,680
5 Claims. (Cl. 99—250)



1. An apparatus for generating ultrasonic impulses in a liquid, comprising a tank, a quantity of electrically non-conductive liquid in said tank, a mosaic formed of a plurality of matched, coplanar piezo-electric crystals mounted on center-to-center spacing equal to an odd multiple of their common wave length, electrical generating means adapted to produce a current to produce an oscillation of said crystals, and conductor means from said generating means to said crystals, an element to be treated immersed in said liquid and spaced a predetermined distance from said mosaic, and an oscillation matching plate imposed between said mosaic and the element to be treated, said matching plate being mounted for adjustment toward and away from said mosaic.

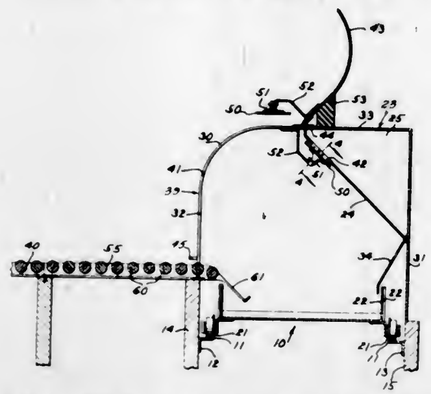
2,585,104
WATER GAUGE
Bengt E. Folke, deceased, late of Mamaroneck, N. Y., by Bernice Folke, administratrix, Mamaroneck, N. Y., assignor to Nathan Manufacturing Company, New York, N. Y., a corporation of New York
Application December 10, 1947, Serial No. 790,795
2 Claims. (Cl. 73—293)

1. In a water level gauge, a protective casing provided with transparent areas and with upper and lower openings for connection with a boiler, a transparent gauge tube supported between and connecting with said openings, by-pass channels embodied in the walls of said casing



and extending generally parallel to said gauge tube, and lateral passages within the casing connecting the upper and lower ends of said channels with said boiler connection openings and with said gauge tube.

2,585,105
HOOD FOR CONVEYERS
George H. Frank, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 10, 1948, Serial No. 38,127
4 Claims. (Cl. 198—1)



1. An apron mold conveyor for foundries comprising an endless conveyor, a hood enclosing the conveyor throughout its length, an exhaust duct normally sealed from communication with the conveyor and extending the length thereof, said hood having a plurality of openings along the conveyor to permit the transference of molds to the conveyor under the hood, doors for said openings, closure members mounted on each door, and a port adapted to be closed by each closure member when the doors are closed, said port interconnecting the exhaust duct and hood when the door is open.

2,585,106
VAPORIZER
Walter R. Frank, Elmhurst, Ill.
Application January 13, 1949, Serial No. 70,681
1 Claim. (Cl. 21—118)

A device for vaporizing a germicidal agent comprising an enclosure having a bottom wall providing a mounting plate and a top wall having an area thereof perforated, a chimney arranged in the enclosure and supported by a supporting bracket

with its open top in registration with the perforated area of the top wall and its lower portion in spaced relation with respect to the mounting plate, said chimney comprising sections arranged in alignment with respect to each other with confronting end portions in spaced relation, said confronting end portions being of lesser diameter than the top and lower portions of said chimney, a heater carried by the mounting plate within the lower section of said chimney, a container having fluid to be vaporized mounted on said mounting

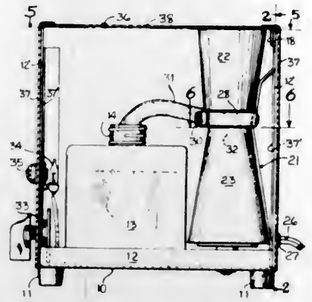
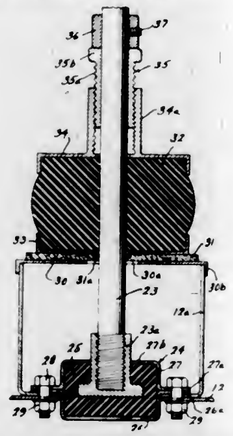


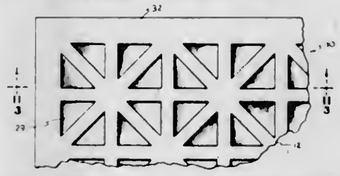
plate adjacent said chimney and having a wick extending therefrom with its end portion arranged between confronting end portions of the chimney sections and above said heater, and means for releasably holding said end portion of said wick between said confronting end portions of the chimney sections and above said heater said wick holding means comprising a spring clamp embracing the said end portion of said wick, said spring clamp being an integral part of said chimney supporting bracket.

2,585,107
VIBRATION DAMPENER MOUNTING FOR WASHING MACHINES AND THE LIKE
Peter Eduard Geldhof, St. Joseph, Mich., assignor to Whirlpool Corporation, a corporation of New York
Application November 20, 1946, Serial No. 711,131
8 Claims. (Cl. 248—22)



1. A machine suspension comprising a main base, rubber bushings fixedly carried by said main base and confined for the interparticle flow of rubber in a generally vertical direction, legs embedded in said rubber bushings and held thereby in upright position, a sub-base mounted on said legs above said main base, rubber bushings fixedly mounted in said sub-base and confined for the interparticle flow of rubber in a vertical direction opposed to direction of flow of rubber of said bushings carried by said main base and having the upper ends of said legs embedded therein, said sub-base being movable relative to said main base through interparticle flow of rubber in the bushings, friction means associated with said legs and interposed between the main and sub-bases, and yieldable means loading said friction means to dampen out vibrations of the sub-base without locking the sub-base and main base together for co-movement.

2,585,108
METHOD OF FORMING EMBOSSED RUG CUSHIONS
Jack C. Gordon, Detroit, Mich., assignor to Allen Industries, Inc., Detroit, Mich.
Application November 3, 1948, Serial No. 58,129
2 Claims. (Cl. 117—10)

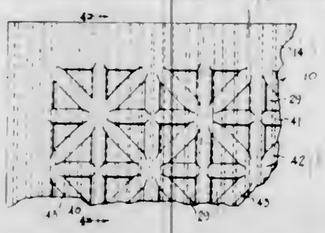


1. The method of forming a floor covering rug cushion underlay comprising a thick, loosely matted and felted fiber cushion base having a substantially spongly resilience by having a pattern embossed on at least one sufrace thereof, said pattern comprising a suitable configuration of a plurality of embossed indentations, each of said indentations being separated from each other by unindented ridges, both indented and raised ridge portions lying solely in a surface of the rug cushion, and cured as a continuous film of a resilient rubber composition having sufficient thickness to be identifiable as a coherent rubbery layer having integrally included therein the fibers lying solely on the surface only of said fiber base, whereby said surface will retain its configuration, having enhanced cushioning effect, said method comprising applying a liquid coating to at least one surface of the felted matted fiber base, said coating consisting of aqueous rubber latex whereby the solids are retained on the surface of the felted fiber coated therewith, while allowing only the aqueous suspending medium to substantially penetrate the loosely matted fiber base, and then heating and compressing said coated fiber mat between embossing rolls heated in the temperature range of 180° to 450° F., said rolls being adjusted to impart to said matted fiber base sufficient pressure only to coalesce said rubber particles into an integral continuous film and to bond the uppermost fibers of said matted base while imparting thereto said embossed pattern, said heated rolls simultaneously effecting evaporation of a portion of the liquid suspending medium to set said coating to a degree sufficient to retain said embossed pattern.

2,585,109
METHOD OF MAKING EMBOSSED RUG CUSHIONS
Jack C. Gordon, Detroit, Mich., assignor to Allen Industries, Inc., Detroit, Mich.
Application May 13, 1950, Serial No. 161,814
2 Claims. (Cl. 117—10)

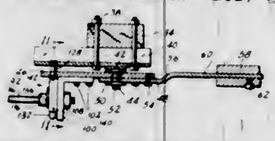
1. The method of forming a floor covering rug cushion underlay comprising a thick, loosely matted and felted fiber cushion base having a

substantially spongy resilience by having a pattern embossed on at least one surface thereof, said pattern comprising a suitable configuration of a plurality of embossed indentations, each of said indentations being separated from each other by unindented ridges, both indented and raised ridge portions lying solely in a surface of the rug cushion, and cured as a continuous film of a resilient rubber composition having sufficient thickness to be identifiable as a coherent rubbery layer having integrally included therein the fibers lying solely on the surface only of said fiber base, whereby said surface will retain its configuration, having enhanced cushioning effect, said method comprising applying a liquid coating to at least one surface of the felted matted fiber base, said coating consisting of aqueous rubber



latex whereby the solids are retained on the surface of the felted fiber coated therewith, while allowing only the aqueous suspending medium to substantially penetrate the loosely matted fiber base, at least partially drying the wet coating of rubber particles on the fiber, and then heating and compressing said coated fiber mat between embossing rolls heated in the temperature range of 180° to 450° F., said rolls being adjusted to impart to said matted fiber base sufficient pressure only to coalesce said rubber particles into an integral continuous film and to bond the uppermost fibers of said matted base while imparting thereto said embossed pattern, said heated rolls simultaneously effecting evaporation of a portion of the liquid suspending medium to set said coating to a degree sufficient to retain said embossed pattern.

2,585,110
LOCKING MECHANISM FOR OVERHEAD SWINGING GARAGE DOORS
Leo H. Gramlich, St. Louis, Mo.
Application March 30, 1950, Serial No. 152,903
5 Claims. (Cl. 70—101)



1. In combination with the swingably mounted supporting structure of a garage door, said structure including a pair of rearwardly converging strut members each rigidly secured at one end to said door, and at the other end to a triangular plate rotatable about a horizontally disposed trunnion, said plate having an opening therein: means to prevent swinging movements of said supporting structure about said trunnion for opening the door, said means comprising a stationary horizontal keeper member from which said trunnion projects; and latching mechanism mounted on said plate, said mechanism including a spring actuated latch bolt normally projecting through said opening in the plate and into engagement with the underside of said keeper.

2,585,111
INTERLOCKING KNOCKDOWN TABLE
Jacob G. Grauer, Glenside, Pa.
Application May 27, 1946, Serial No. 672,602
1 Claim. (Cl. 311—4)

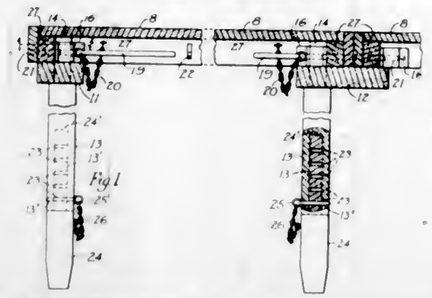
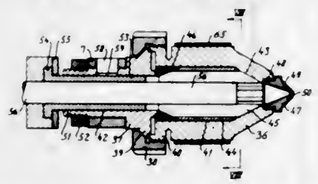


Fig 1

A table comprising a top having longitudinal sections with abutted ends, each of said sections including a frame and leaves, said frame having transverse and fixed members each immovable from one another, apertured brackets fixed to said transverse members of said frames adjacent to the corners thereof and forming sockets therewith, legs having apertured upper sections seated in said sockets, and bolts movable through the apertures of said brackets and leg sections, each of said bolts having shafts of different length spaced by a stop, one of said shafts being of sufficient length to intersect a leg and both of said brackets for locking said sections together and the other of said shafts being of sufficient length to intersect a leg and one only of said brackets without protruding beyond the edge of said top.

2,585,112
INJECTION MOLDING MACHINE
Carl Christian Gravesen, Copenhagen, Denmark
Application September 1, 1948, Serial No. 47,228
In Denmark September 8, 1947
9 Claims. (Cl. 18—30)

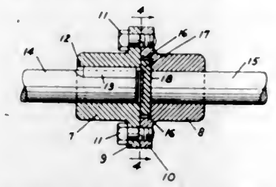


1. An injection cylinder for injection molding machines comprising walls forming a cavity having an inlet zone and an outlet zone in constant communication therewith, means effective in said inlet zone for feeding molding material thereto and means extending through said inlet zone into said outlet zone in permanently spaced relationship to the walls thereof and effective in said last-named zone for extruding molding material therefrom.

2,585,113
SHEAR PIN COUPLING FOR ALIGNED SHAFTS
Marcellus W. Gredell, Detroit, Mich., assignor to Gredell Corporation, Detroit, Mich., a corporation of Michigan
Application February 12, 1946, Serial No. 647,073
4 Claims. (Cl. 64—28)

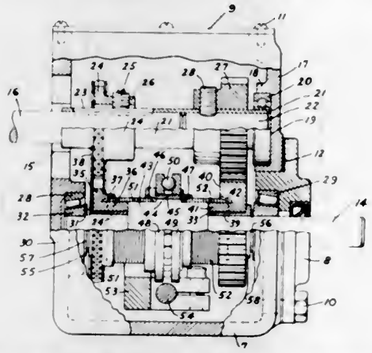
1. In a device of the character described, a pair of collars having matched rigid flanges adapted

to be secured to one another by machine screws, a shaft extending into each of said collars, one of said shafts being keyed to one collar, the other said shaft being secured to the other collar by



means of a shear pin having a length greater than the diameter of said shafts and positioned in a keyway formed along a diameter of said last named shaft.

2,585,114
POWER TRANSMISSION MECHANISM
Marcellus W. Gredell, Detroit, Mich.
Application April 7, 1948, Serial No. 19,505
7 Claims. (Cl. 74—376)



1. A power transmission device comprising the combination of a housing having front and rear walls, an opening in the front wall adapted for the insertion therethrough of an engine crank shaft, a rotatable sleeve mounted at one end in the rear wall of said housing and arranged to engage said crank shaft and rotate therewith, a sprocket and a gear mounted for rotation with said sleeve, a driven shaft having an enlarged section mounted for rotation in said housing and having one end extending beyond the rear wall of said housing, a sprocket wheel and a gear freely rotatable on bushings mounted on said driven shaft said last named sprocket wheel and said gear having clutching elements thereon, a clutch collar concentrically mounted on the enlarged section of said driven shaft, means to shift said clutch collar on said driven shaft, and spring means adapted to contact said clutch collar said enlarged section of said driven shaft and said clutching elements formed on said last named sprocket wheel and gear.

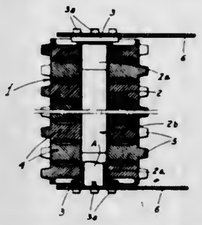
2,585,115
AMINE-EPOXIDE COMPOSITIONS
Sylvan Owen Greenlee, Louisville, Ky., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky., a corporation of New York
No Drawing. Application September 18, 1945, Serial No. 617,177
2 Claims. (Cl. 260—47)

1. Amine-epoxy compositions containing complex resinous expoxides and polyfunctional polyethylene polyamines free from functional groups other than primary and secondary amine groups dissolved in a ketone solvent to form a solution for use in varnishes and protective coatings, the complex resinous epoxides being polymeric polyethers of dihydric phenols, said dihydric phenols being free from funtional groups other than phenolic hydroxyl groups, said resinous epoxides resulting from the heating of the dihydric phenol with an excess of epichlorhydrin and of caustic alkali and having intermediate alcoholic-hydroxyl-containing aliphatic groups and epoxide-containing terminal aliphatic groups, said resinous epoxides being free from functional groups other than alcoholic hydroxyl and epoxide groups, the amount of polyfunctional polyethylene polyamine being from about ¼ to about 1.7 of the amount equivalent to the resinous epoxide, considering one active hydrogen of the amine groups of the polyamine equivalent to one epoxide group of the complex epoxide.

2,585,116
METHOD OF MANUFACTURING BRICK FROM NONREFRACTORY RAW CLAY
Hugo Alfred Grönroos, Stallarholmen, Sweden, assignor of one-half to Otto Werner Hacklin, Stockholm, Sweden
No Drawing. Application October 8, 1946, Serial No. 702,064. In Sweden October 25, 1945
2 Claims. (Cl. 106—72)

2. A method of manufacturing bricks from non-refractory raw clay, comprising the steps of rapidly preheating a portion of the clay for a period of fifteen minutes to two hours to a temperature in the range of 850° C. to 920° C. but below the sintering point of the clay, immediately adding the preheated clay at substantially said temperature to unheated moist raw clay in the proportion between 1 to 1 and 1 to 2 and immediately crushing and mixing the preheated and unheated portions of the clay whereby the specific heat of the preheated clay raises the temperature of the mixture to a temperature of the order of 200° C., driving off moisture from the unheated raw clay and effecting a physical and chemical change in the character of the clay to a less plastic form, pressing the clay mixture into bricks and firing the bricks at sintering temperature.

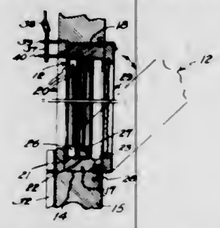
2,585,117
ROLLER ATTACHMENT FOR SCRAPERS
Albert G. Gurries, Gilroy, Calif., assignor to Be-Ge Manufacturing Co., Gilroy, Calif., a corporation of California
Application April 9, 1945, Serial No. 587,277
1 Claim. (Cl. 55—49)



A roller assembly for detachable mounting on an implement which includes depending side plates and a draft beam extending forwardly from the plates at the top and adapted to be tractor-supported at its forward end; said assembly comprising a roller unit, a cylindrical support for the roller unit having end flanges adapted to pass closely between the side plates,

and bolts removably securing the flanges and plates; said roller unit being of lesser diameter than the distance from ground to the draft beam and the length of the latter from the plates to the forward tractor-supported end thereof being considerably in excess of the diameter of the roller unit whereby the roller unit may be mounted in place on or removed from the implement upon relative longitudinal ground-supported movement thereof and therebetween and without interference from the tractor.

2,585,118
VEHICLE WINDOW
Bruno Hansen, Des Moines, Iowa
Original application July 10, 1946, Serial No. 682,661. Divided and this application March 18, 1949, Serial No. 82,213
2 Claims. (Cl. 20—45)

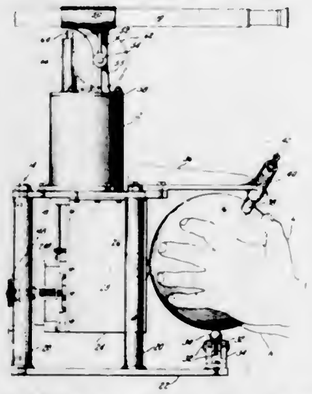


1. A window comprising a window frame mounted in an opening of a wall and hingedly connected to the wall for swinging movement to an open position out of engagement with the wall opening, said frame being provided with inwardly opening channels forming guideways, a plurality of window sashes slidably mounted in the guideways and moveable to positions to close or partially close the opening of the window frame while said frame is mounted in the wall opening, one end rail of said frame being detachable for applying and removing said sashes, when the window frame is out of engagement with the wall opening, latch means for detachably retaining the window frame in engagement with said wall opening, said window frame being hingedly connected along its bottom rail to said wall and being disposed with its longitudinal axis in a horizontal plane and with the sashes thereof arranged for sliding movement in a horizontal direction and parallel to the axis on which the window frame is hinged, said window being hingedly mounted to swing outwardly and downwardly of the wall opening, and operating means disposed on the inner side of said wall and remote to the window for releasing the latch means of the window to permit it to be swung outwardly and downwardly to an open position.

2,585,119
METHOD OF PREVENTING FOAMING IN TRANSFERRING HOT ASPHALT
Ross A. Hanson, Torrance, and Frederick S. Scott, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application March 12, 1948, Serial No. 14,645
3 Claims. (Cl. 106—273)

1. A method for transferring hot asphalt from a storage tank to a cold shipping tank of the group consisting of tank cars and tank trucks, wherein said asphalt in said storage tank is substantially anhydrous and wherein said shipping tank contains small amounts of extraneous water, which method comprises maintaining said asphalt in said storage tank in a liquid state by establishing and maintaining a temperature of about 400 F., flowing said asphalt from said storage tank to said shipping tank until said shipping tank is filled to between about one-quarter and one-half of its capacity, thereupon adding small amount of a dispersion of a silicone in a hydrocarbon oil to said shipping tank and thereby forming an overall mixture which contains between about 0.000001 and 0.01 per cent by weight of said silicone, maintaining an open vent in the roof of said shipping tank to permit the escape of steam, and continuing to flow said asphalt from said storage tank to said shipping tank with relative freedom from asphalt spillage caused by the sudden vaporization of said extraneous water in said shipping tank and wherein said silicone is an alkyl silicone having alkyl groups selected from the class consisting of saturated aliphatic radicals having one, two and three carbon atoms and wherein said silicone contains an average of between 15 and 40 silicon atoms per molecule and wherein said silicone has an R/Si ratio of between about 1.6 and 2.0.

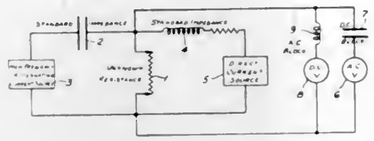
2,585,120
CONTROL APPARATUS
Joseph Harrington, Jr., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 14, 1947, Serial No. 768,552
3 Claims. (Cl. 74—198)



1. A control apparatus having, in combination, a device mounted for training movements in azimuth and elevation, means for moving said device in azimuth, including a friction wheel mounted for rotation in a horizontal plane, means for moving said device in elevation, including a friction wheel mounted for rotation in a vertical plane, a spherical member, and means for supporting said spherical member for universal rotation with its surface in frictional contact with said friction wheels.

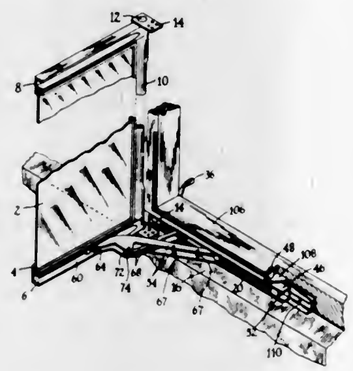
2,585,121
ELECTRICAL CONDUCTIVITY TESTING APPARATUS
Robert B. Hartman, Fairfield, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application May 29, 1950, Serial No. 164,959
12 Claims. (Cl. 175—183)

1. Apparatus for testing an electrically conductive article comprising a first group of circuit elements defining an electrically continuous circuit including a source of alternating current, a standard impedance, and the electrically conductive article; a second group of circuit elements defining an electrically continuous circuit including a source of direct current, a standard impedance, and the electrically conductive article, said article forming an element common to and simultaneously included in both of said circuits; alternating current voltage measuring means pro-



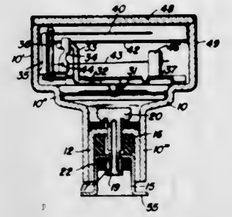
vided with direct current isolating means connected across said article to measure the alternating current voltage drop therein; and direct current voltage measuring means provided with alternating current isolating means connected across said article to measure the direct current voltage drop therein, both of said measuring means being simultaneously connected to obtain independent, but simultaneous measurements.

2,585,122
CLOSURE OPERATING MEANS
Rush S. Hartman, Trenton, N. J.
Application September 3, 1948, Serial No. 47,572
11 Claims. (Cl. 268—120)



1. Mechanism for moving a closure about a pivot into and out of closed position with respect to an opening, comprising an actuating arm having means at the outer end thereof for pivotally connecting said arm to a closure, a supporting link having the outer end thereof pivotally connected to said actuating arm intermediate the ends of said arm, a rotatable shaft, means for mounting said shaft adjacent said opening, members mounted on said shaft and pivotally connected to the inner ends of said actuating arm and supporting link, means for rotating said shaft, and interengaging threads on said shaft and members for simultaneously moving both of said members toward and away from each other on rotation of said shaft in opposite directions to move said actuating arm about the outer end of said supporting link as a pivot for moving the closure to opened and closed positions.

2,585,123
TIRE PRESSURE GAUGE
Warren W. Hastings, Brighton, and Robert A. Hunt, Greece, N. Y., assignors to Rochester Manufacturing Company, Rochester, N. Y., a corporation of New York
Application January 19, 1949, Serial No. 71,748
4 Claims. (Cl. 73—396)



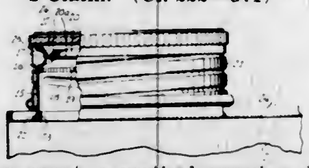
1. A portable pressure gauge for pneumatic tires comprising a housing having a pressure chamber formed therein, pressure-responsive indicating means, a check valve movably mounted in said housing, a seat in said housing for said valve, said valve, when seated, being adapted to close said chamber, a stem secured to said check valve and adapted to be engaged with a tire valve to open the tire valve, a member slidably mounted on the stem of said check valve and adapted to be seated on the casing of the tire valve to permit the housing to be pressed downwardly relative to said casing to open the check valve to allow air to flow from the tire through the opened tire valve and opened check valve into said chamber, means limiting sliding movement of said member on said check valve in opposite directions, resilient means for pressing against said member to constantly urge said member in one direction and thereby constantly urging said check valve into closed position so that compressed air will be automatically entrapped within said chamber on removal of the gauge from the tire valve casing, said member being manually movable in the opposite direction against the resistance of said resilient means to open said check valve and release the trapped air.

2,585,124
EGG GRADING MACHINE
Joshua A. Hill, Canoga Park, Calif.
Application February 23, 1946, Serial No. 649,489
9 Claims. (Cl. 209—121)
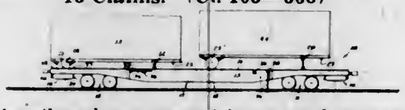


1. In an ovoid conveying device, the combination of: track means having an inlet end and a discharge end, said track means being adapted to support and guide an ovoid therealong; rotatable worm means mounted adjacent said track means and adapted to convey an ovoid along said track means from said inlet end thereof toward said discharge end thereof, said worm means including a spiral strip of substantially rectangular cross section having sides which are substantially parallel to said track means and having edges which are substantially perpendicular thereto, the thickness of said strip being substantially less than the diameter of the ovoid; and means for rotating said worm means.

2,585,125
NONDRIP CAN SPOUT
Henry H. Hoffman, Jersey City, N. J., assignor to Seal-N-Spout Corporation, New York, N. Y., a corporation of New York
Application June 11, 1947, Serial No. 754,009
1 Claim. (Cl. 222—571)



In a can spout, a vertical annular sheet material side wall having an inwardly curved top portion forming an annular side wall groove, the material of the top edge portion of said side wall groove continuing inwards and downwards of said side wall along the curve of said side wall groove to a point substantially midway of the height of said side wall groove forming a top annular groove at a location midway of the height of said side wall groove, said top annular groove having an outer arm and an inner arm, the outer arm of which extending downwards along the inwardly curved top portion of said side wall groove in order to form a thin circular pouring lip over which liquid may flow in any direction when said can spout is tilted for pouring liquid from a can provided with said spout, and the inner arm of said top annular groove continuing into an annular downwardly directed inner wall immediately adjacent said top annular groove in order to form an underneath annular groove for cutting off the flow of liquid when said can spout is tilted back to cease pouring of said liquid.

2,585,126
RAILROAD CAR FOR TRANSPORTING ROAD VEHICLES
William M. Holland, Indianapolis, Ind.
Application March 29, 1949, Serial No. 84,053
13 Claims. (Cl. 105—368)

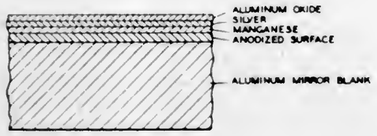


1. A railroad car comprising a load-supporting deck and platform means movable between a position flush with said deck and a position in which at least a portion of said platform means is depressed below said deck, such platform means being adapted to support a wheel of a road vehicle, and means operable to move said platform means, while supporting such a wheel, from either of such positions to the other, said platform means including means engaging such wheel, when said platform means is in its depressed position, to restrain such wheel against movement longitudinally of the car.

2,585,127
COMPOSITION FOR CLEANING ALUMINUM AND ALUMINUM ALLOY SURFACES PREPARATORY TO SPOT WELDING
Emmette R. Holman, Pasadena, and Justine L. Mathis, Ranchita, Calif., assignors to Turco Products, Inc., Los Angeles, Calif., a corporation of California
No Drawing. Application April 29, 1947, Serial No. 744,770
10 Claims. (Cl. 252—136)

2. A composition for cleaning aluminum and aluminum alloy surfaces to adapt them for spot welding, which consists of an aqueous acidic solution of about 5% to 50% by volume of a non-halogen inorganic acid and about 0.25% to 20% by weight of another substance which is dissociated in such solution into a pyrophosphate radical and another ion.

2,585,128
ALUMINUM OPTICAL MIRROR AND METHOD OF MAKING SAME
James A. Howe, Wood-Ridge, and Michael T. Nevalonny, Farmingdale, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application March 1, 1946, Serial No. 651,380
7 Claims. (Cl. 88—105)



1. The method of making aluminum mirrors comprising machining an aluminum mirror blank to the finished dimensions of the mirror to be formed, oxidizing the machined surface, lapping the machined oxidized surface to a desired degree of optical accuracy, and depositing by vaporization a film of manganese on said oxidized surface and a film of silver.

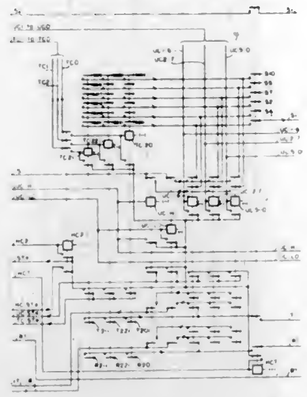
2,585,129
PROCESS OF PREPARING FATTY COMPOUNDS
Arthur I. Gebhart, Union, and John Ross, Ramsey, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application March 3, 1948, Serial No. 12,898
7 Claims. (Cl. 260—413)

1. A unitary process of preparing fatty acid compound containing an odd number of carbon atoms in the molecule and numbering at least 7, which comprises dissolving in a solution of peracetic acid in acetic acid a mono-olefin of the formula

$$R_1{=}R_2$$

wherein R_1 and R_2 represent alkyl groups of which one group at least contains an odd number of carbon atoms and not less than 7, reacting said mono-olefin with said peracetic acid to selectively oxidize said mono-olefin and form a hydroxy-substituted saturated hydrocarbon as a reaction product, saponifying and acidifying the same to yield a dihydroxy saturated hydrocarbon having a hydroxyl group attached to each of the contiguous and previously unsaturated carbon atoms of said olefin, selectively oxidizing said dihydroxy saturated hydrocarbon by treating the same with periodic acid to cause cleavage between said contiguous hydroxylated carbons and form thereby a fatty aldehyde containing an odd number of carbon atoms in the molecule, further selectively oxidizing said fatty aldehyde by dissolving the same in a solution of peracetic acid in acetic acid to form the corresponding odd-numbered carbon fatty acid, and separating and recovering the resultant odd-numbered fatty acid compound.

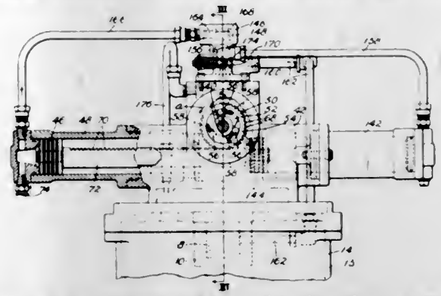
2,585,130
LOCAL AND TRUNK CALL DISCRIMINATING SYSTEM
Roy W. Jones, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application January 9, 1948, Serial No. 1,295
11 Claims. (Cl. 179—18)



1. In an automatic telephone system, a main office and a suboffice, a plurality of interoffice trunks interconnecting said offices, subscribers' lines in said suboffice, a plurality of connector links in said suboffice, a main office marking relay and a local suboffice marking relay associated with each of said links, means controlled in response to a call originated on a first one of said subscribers' lines for selecting one of said links and one of said trunks, means responsive to the selection of said one link for operating said main office marking relay, means responsive to the transmission of impulse digits over said first line for selecting a second line in said suboffice, means including the operated main office marking relay responsive to the reception of one of said digits for repeating said one digit over said selected trunk, means responsive only to the reception of a particular first digit for operating said local suboffice marking relay and for releasing said main office marking relay, means responsive to the release of said main office marking relay for freeing said selected trunk, and means responsive to the operation of said local suboffice marking relay for rendering said one link effective to complete a connection to said second line, and means associated with said one link for signaling said second line.

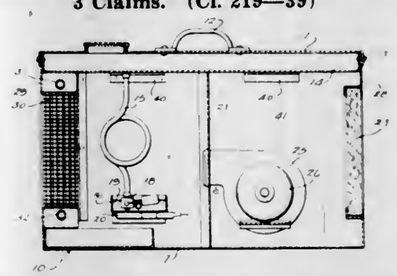
2,585,131
CONTROLLING MEANS FOR FLUID-OPERATED MACHINES
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 6, 1949, Serial No. 103,217
3 Claims. (Cl. 60—97)

1. In a fluid-operated machine, a plurality of fluid-operated mechanisms, valves for controlling the admission of fluid respectively to said different mechanisms, controlling means rotatable in one direction to initiate the operations of the different mechanisms in predetermined time relation to one another by control of said valves, a source of liquid fluid under pressure, a member having a chamber therein, a cylinder arranged to extend outwardly from said member and having therein a piston movable thus to rotate said controlling means, said cylinder being open at its inner end to said chamber, valve means for admitting fluid from said source to the outer end of said cylinder to operate said piston and for thereafter releasing the fluid therefrom, another cylinder arranged to extend outwardly from said member in the opposite direction from said first-named cylinder and having therein a piston connected to said first-named piston to move in unison therewith, said other cylinder also being



open at its inner end to said chamber, a valve responsive to the drop in the pressure of the fluid in the first-named cylinder when the fluid is released therefrom for admitting fluid from said source to the outer end of said other cylinder to return said first-named piston, means providing a passageway for exhaust of fluid from said other cylinder to said chamber when the first-named piston is operated, and means providing an outlet for the fluid from said chamber at such a height as to keep the chamber and said passageway full of the fluid.

2,585,132
AIR CONDITIONER AND HUMIDIFIER
Charles J. Kalmadge, Milwaukee, Wis.
Application September 29, 1949, Serial No. 118,497
3 Claims. (Cl. 219—39)

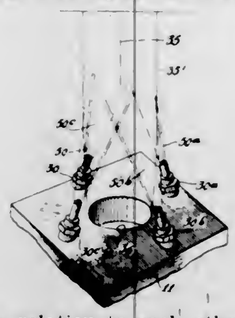


1. A portable air conditioner and humidifier including a casing, a radiator for connection with a water supply, a main tank for water, an auxiliary tank at a lower level for a relatively smaller quantity of water, means for conducting water from the upper to the lower tank, means for vaporizing the contents of the lower tank within the casing, and blower means for forcing air through said casing and said radiator.

2,585,133
APPARATUS FOR SPRAYING PARTICLES OF INSULATING MATERIAL
James L. Kempthorne, Essex Fells, N. J.
Application February 1, 1950, Serial No. 141,682
3 Claims. (Cl. 299—86)

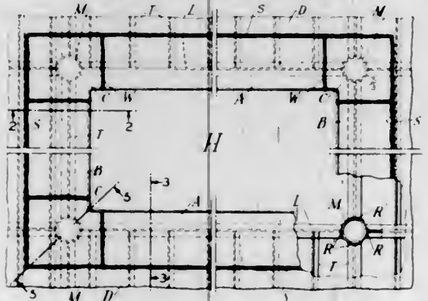
1. In an apparatus for spraying particles of insulation material upon a surface, a spray gun

head comprising a unitary body having upper and lower surfaces and marginal edge faces, said body being formed with a central opening constituting a discharge opening for insulation material, there being upper and lower continuous conduits in said body surrounding the discharge opening, each of said conduits consisting of straight sections extending entirely through the body in a horizontal plane transversely of each other, and in spaced relation to their ends having portions meeting in intersecting and com-



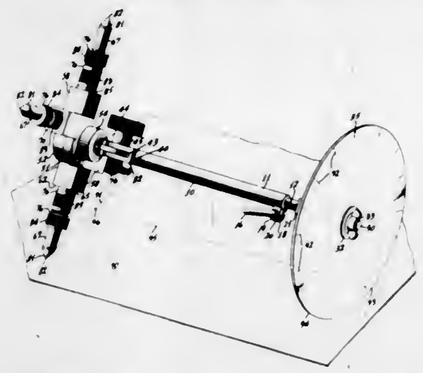
municating relation to each other, said sections having their ends opening through side edge faces of the body and closed by removable plugs, and nozzles carried by said body and projecting upwardly therefrom, each of said nozzles being formed with a bore extending longitudinally throughout the length of the nozzle and having its lower end open and communicating with the lower conduit, and a side port in each nozzle communicating with the bore thereof and the said side port communicating with the upper conduit.

2,585,134
DECK HATCH STRUCTURE
Harry E. Kennedy, Berkeley, Calif., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application July 10, 1946, Serial No. 682,652
3 Claims. (Cl. 114—201)



1. In a ship, a substantially horizontal deck and a hatchway structure forming the border of an opening therethrough, said hatchway structure comprising end sections, side sections and four corner sections, each said side section and end section having a substantially horizontal base, a flange substantially perpendicular to said deck, and a curved portion integrally uniting said flange to said base, each said corner section having a right angle flange, a substantially horizontal base, curved portions integrally uniting said right angle flange and said base of said corner section, and a rounded portion forming the apex of said right angle flange and integrally uniting said curved portions of said corner section, said curved portions of said end sections, said side sections, and said corner sections having substantially the same radius of curvature, said radius of curvature being at least five times the thickness of the material out of which said curved portions are formed, the flange, base and a curved portion of each said corner section being butt-welded to the flange, base and curved portion, respectively, of an end section and a side section, all flanges extending above said deck and substantially vertical thereto to define a four-sided hatch, said bases of said end, side and corner sections being attached to said deck, all of said curved portions being convex with respect to said hatch, said rounded portions being concave with respect to said hatch.

2,585,135
ADJUSTABLE PATTERN FORMER
Joseph Klakovich, San Pedro, Calif.
Application December 17, 1948, Serial No. 65,884
6 Claims. (Cl. 33—26)

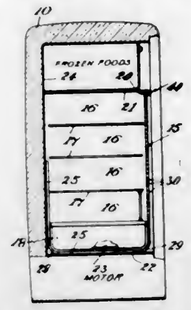


3. A pattern former comprising a longitudinally adjustable supporting arm, pattern shaping members at least one of which is substantially X-shaped replaceably secured on said arm at longitudinally spaced points and extending laterally therefrom defining a plane transverse to the axis of said arm, and means associated with said arm and shaping members for establishing and maintaining a desired degree of angularity between said arm and said members, said X-shaped pattern shaping members comprising oppositely directed pairs of laterally extensible fingers angularly adjustable relative to each other on a common central pintle within said plane to establish selected points of a plane figure.

2,585,136
COLD AIR RETAINING DEVICE FOR REFRIGERATORS
George T. Kuchler, Brooklyn, N. Y.
Application August 14, 1948, Serial No. 44,316
1 Claim. (Cl. 160—37)

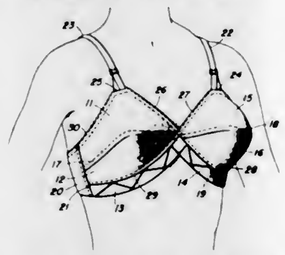
In a refrigerator having a case with a front opening, the combination with tracks arranged along the sides of the case at the interior thereof extending the full height of said front opening along both sides of the case, and within the case the length of said height, of a cross bar transversely across the front opening and having its outer ends guided in said tracks, means holding said cross bar in an adjusted position in said tracks, a plurality of cords, each having one end secured to said cross bar, an abutment on the other end of each cord, the length of each cord being substantially equal to the height of the

front opening, a plurality of helical springs each surrounding one of said cords and each having one end held on the cord against said abutments, the other end of the spring being free to move, a plurality of strips each extending across the front opening parallel with said cross bar, their ends enclosed by the tracks, and having openings for the passage of said cords, said strips being



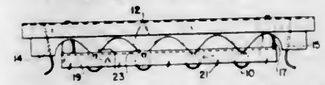
disposed in edge to edge contact from said cross bar to the free ends of said springs in pressed faying relationship, whereby said strips are adapted to be moved in close fitting relationship, as a unit from a complete closure position of the front opening to a concealed position in the case with the front opening entirely open, and to any intermediate position.

2,585,137
BRASSIÈRE
William Kurland, Great Neck, N. Y.
Application August 15, 1950, Serial No. 179,430
6 Claims. (Cl. 2—42)



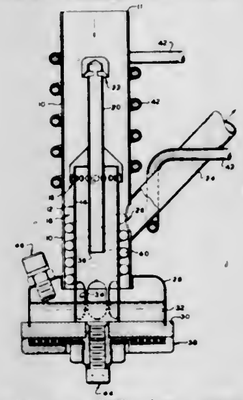
1. A brassière comprising a pair of breast-supporting cups having substantially non-stretchable margins, each cup being formed with an upper substantially apex-shaped portion and also shaped with a lateral inwardly directed substantially pointed portion, both pointed portions being interconnected whereby both cups form with one another an upper upright V-shaped cutout and a corresponding lower inverted V-shaped cutout, a back section of substantially non-stretchable material for and stitched to the outer side of each cup and extending downwardly below the bottom margin of the associated cup to constitute a shoulder therewith, a reinforcement band of stretchable material extending inwardly from each shoulder and joined along its length to the lower margin of the associated cup as well as joined to the associated shoulder and having its bottom edge substantially aligned with the bottom edge of the associated back section, means interconnecting inner ends of said reinforcement bands at the vertex of the lower inverted V-shaped cutout, and a shoulder strap extending from the apex of each cup to the corresponding back section.

2,585,138
AIR NOZZLE AND IONIZING UNIT FOR ELECTROSTATIC AIR FILTERS
George F. Landgraf, Pittsburgh, Pa., assignor to Trion, Inc., McKees Rocks, Pa., a corporation of Pennsylvania
Application January 13, 1950, Serial No. 138,355
7 Claims. (Cl. 183—7)



1. An air nozzle for electrostatic air filters having an ionizing unit having two sets of electrodes, one set being charged oppositely to the other set comprising a rectangular frame having a rectangular opening therein, and flanges extending in the direction of air flow from the edges of the frame forming said opening, two flanges on opposed sides having means for supporting between them one set of electrodes of the ionizing unit, the two other sides sloping inwardly from the front of the frame and then curving outwardly at a point substantially in line with the electrodes carried by the first said flanges.

2,585,139
HIGH-VACUUM PUMP
Richard B. Lawrance and John L. Middleton, Jr., Cambridge, Mass., assignors to National Research Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 10, 1950, Serial No. 189,444
6 Claims. (Cl. 230—101)



1. A high-vacuum diffusion pump comprising a substantially cylindrical pump body, a substantially cylindrical vapor jet assembly positioned within said pump body, said jet assembly having a smaller diameter than said pump body and defining a pumping chamber with said pump body, at least one jet on said jet assembly arranged to discharge a jet of diffusion pump oil vapors downwardly into said pumping chamber, a boiler for vaporizing diffusion pump oil at the bottom of said pump body, the bottom of said jet assembly being open to vapors generated in said boiler, a foreline connected to said pump body adjacent an opening therein which is positioned at the bottom of said pumping chamber, and a member coiled in the form of a helix positioned between said jet assembly and said pump body below said pumping chamber, said helical member having a sufficient transverse dimension to substantially completely bridge the space between the outside of said jet assembly and the inside of said pump body below the pumping chamber so as to block the straight line path between said boiler and said

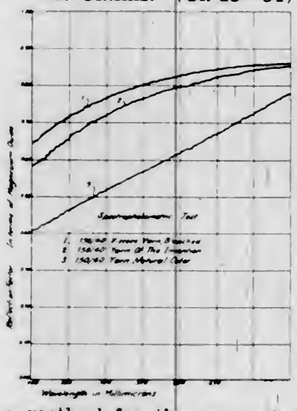
pumping chamber, the turns of said helical member being spaced apart to permit oil condensed on said pump body to flow in a helical path into said boiler.

2,585,140
MEANS FOR BALANCING WHEEL-TIRE ASSEMBLIES
Joseph Lencki, Chicago, Ill.
Application August 2, 1946, Serial No. 688,021
3 Claims. (Cl. 301—5)



3. A balancing device for a wheel and tire assembly in which the bead of the tire, when the latter is inflated, normally abuts against the inner surface of an edge of a rim, said device comprising a weight shaped to be engageable with the outer surface of the edge of the rim, a resilient extension having one end molded in said weight and having the opposite end in spaced relation to the weight and shaped to be in contiguous relation with the inner surface of the edge of the rim and to be disposed between the rim and the bead, said opposite end of the extension being spaced from the weight a greater distance than the thickness of the edge of the rim to define a clip for securing the weight on the rim, and a plurality of triangular shaped pointed tabs projecting outwardly from the opposite end of the extension and facing in a direction away from the weight to define tines, said tabs lying in spaced planes extending substantially at right angles to the surface of said opposite end of the extension and the corresponding outer surface of the bead of the tire and extending radially outward from the axis of the wheel, said tabs being shaped to penetrate said bead when said tire is inflated to positively maintain said weight in fixed relation with said wheel and tire for all service speed conditions of said wheel and tire assembly.

2,585,141
TREATMENT OF VISCOSE PRODUCTS
Herman Joseph Lesser, Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
Application September 5, 1945, Serial No. 614,579
20 Claims. (Cl. 18—54)



1. In a method for the removal of discoloration of freshly formed viscose products coagulated in an acid bath, the improvement which comprises washing the formed viscose product while it is still acid with an aqueous solution of a polyphosphate, the washing solution, containing the viscose product to be washed, having a pH below pH3 at the beginning of the washing step.

2,585,142
SPORT SHIRT OR LIKE GARMENT
Joseph I. Levitt, Miami Beach, Fla.
Application July 13, 1950, Serial No. 173,496
2 Claims. (Cl. 2—105)



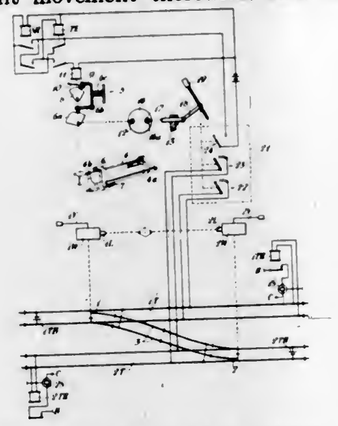
1. A collarless and sleeveless shirt comprising front and back sections permanently joined by shoulder seams and cut out to provide side arm openings and a large neck opening between the shoulder seams at the juncture of said sections, the side edge portions of the back section being overlapped upon the side edge portions of the front section at the sides of the shirt, and spaced means separably connecting the side edges of the back section to the adjacent sides of the front section directly under the arm openings and at the bottom of the shirt, the sections being free of connection with each other between said spaced means so that the side edge portions of the back section bulge outwardly between said spaced means to scoop air into the garment at the sides of the latter upon forward travel of the wearer.

2,585,143
LATEX FOAM STABILIZED WITH ETHYL ORTHOSILICATE AND AMMONIA
Elisha Betts Lewis, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
No Drawing. Application June 29, 1948, Serial No. 35,966
12 Claims. (Cl. 260—2.5)

1. In a process for manufacturing rubber sponge, the steps of (*a*) foaming a latex selected from the group of latices consisting of natural rubber and polymerized chloro-2 butadiene 1,3 by means of a gas; (*b*) admixing ethyl orthosilicate and ammonium hydroxide to said foam; and (*c*) curing said foam.

2,585,144
RAILWAY TRAFFIC CONTROLLING APPARATUS
John W. Logan, Jr., Forest Hills, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application December 27, 1948, Serial No. 67,393
9 Claims. (Cl. 246—161)

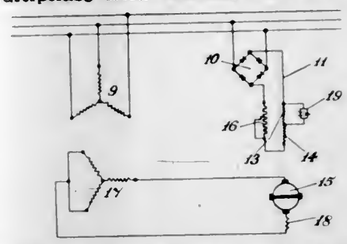
1. Railway traffic controlling apparatus, comprising a track switch, a signal governing traffic movements over said switch, a lever movable between normal and reverse positions for controlling said track switch; an electric lock for holding said lever in its normal position including a latch, a pedal for operating the latch having a normal latching position and movable therefrom to a latch releasing position, a lock dog biased to a locking position in which it prevents operation of the pedal to release the latch, and an electromagnet for moving the lock dog from its locking position to a lock releasing position; an electric circuit controller having contacts for controlling said electromagnet and said signal, a hand-throw lever for said controller movable between a normal position in which the electromagnet is deenergized and the signal controlling contacts permit clearing of the signal and a reverse position in which the electromagnet may be energized and the signal is set to stop approaching traffic, an abutment movable concurrently with said pedal, a bolt connected to said circuit controller lever for concurrent movement therewith, said bolt be-



ing moved between a blocking position and an unblocking position as said controller lever is moved between its normal and reverse positions, respectively, said bolt being effective in its blocking position to block the abutment and prevent movement of the pedal from its normal latching position and in its unblocking position to permit movement of the pedal to its latch releasing position, and means operated by movement of the switch controlling lever away from its normal position to hold the pedal in its latch releasing position, said abutment being effective when the pedal is in its latch releasing position to block a return movement of the bolt to its block position, so that the switch controlling lever must be restored to its normal position and the pedal must be restored to its latching position before the controller lever can be restored to its normal position.

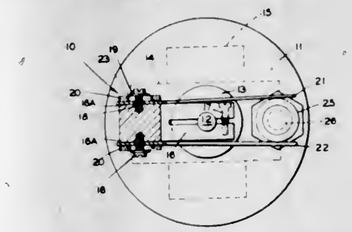
2,585,145
SYNCHRONOUS DYNAMOELECTRIC MACHINE
James Colquhoun Macfarlane and William Ian Macfarlane, Cathcart, Glasgow, Scotland
Application December 14, 1946, Serial No. 716,382
In Great Britain October 12, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 12, 1965
7 Claims. (Cl. 322—59)

1. A system for regulating synchronous alternators of the type including a multiphase armature winding, a multiphase field winding and an exciter for the alternator; comprising compensating winding means in series with the exciter armature and compensating for armature reaction of the exciter, a connection which short-circuits the alternator field winding through the armature and the compensating winding means of the exciter, a direct current control circuit carrying current which is a measure for the alternating current voltage in the alternator load circuit, field windings for said exciter energized by said control circuit, and the combination of a non-salient polar field body in the alternator, said multiphase field winding on said body, an



occurrence of transient conditions in the alternator, having induced therein alternating current from said alternator armature windings, the exciter for the alternator being of the direct current cross field type exciting said multiphase winding and having a fast response to changes in the load circuit of said alternator, and said multiphase windings being short-circuited through the exciter armature as aforesaid.

2,585,146
RESTRAINING SPRINGS FOR RATE GYROSCOPES
Robert T. Maiorany, Bronx, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application December 29, 1948, Serial No. 67,979
9 Claims. (Cl. 74—5.4)

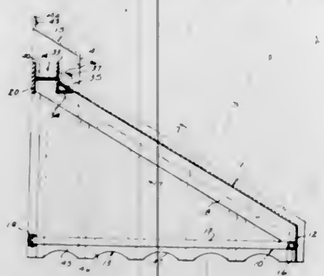


1. Restraining springs for a cased rate gyroscope comprising a mounting block exteriorly of the case and movable with the gimbal frame of the gyroscope, two spaced cantilever springs fixed at one end thereof in opposing relationship to said block, and having their other ends free to move relative to one another and a roller mounted exteriorly of the gyroscope case and engaging opposing faces of said springs.

2,585,147
METAL AWNING
Carl F. Markle, Pennsboro, W. Va.
Application May 28, 1948, Serial No. 29,692
2 Claims. (Cl. 20—57.5)

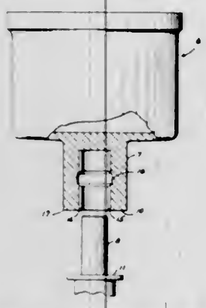
1. A sheet metal awning comprising a frame including a front bar, a pair of side bars each secured at one end to a corresponding end of said front bar and extending substantially perpendicular to the latter, and a pair of inclined bars each secured at one end to a corresponding end of said front bar and disposed at an acute angle to the corresponding side bar, a top and front wall supported on said frame and comprising a plurality of panel strips and a plurality of cap

strips provided with interlocking flanges, said front wall being secured to said front frame bar and said top wall being supported above said inclined frame bars, a pair of side walls each secured to the side bar and inclined bar at the corresponding end of said frame and comprising interlocking panel strips and cap strips, the cap strips at each edge of said top wall having at one side an extension overlapping and secured to the corresponding side wall cap strips to provide ventilating spaces from the outside of said side walls to the underside of said top wall, means supporting the upper edge of said top wall at a spaced distance from the plane of a building wall to



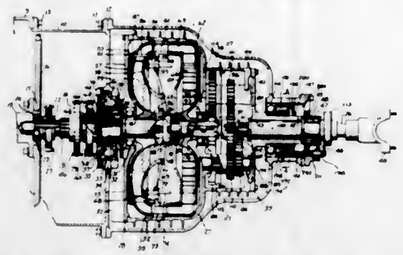
provide a ventilating space at the upper edge of said top wall, and a hood spaced above and overlying said last-mentioned ventilating space to exclude rain from the latter, said means supporting the upper edge of said top wall comprising a flat plate adapted to rest against the awning-supporting wall, a supporting strip having along one edge a reversed, inclined flange underlying and secured to said top wall and struck out tongues overlying and secured to said top wall at the upper edge of the latter, screw fasteners extending through said supporting strip and said plate, and tubular spacers surrounding each screw fastener between said strip and said plate.

2,585,148
SPINNING BOX HUB
Henry J. McDermott, Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application January 12, 1950, Serial No. 138,166
3 Claims. (Cl. 57—77)



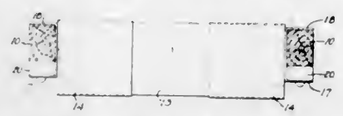
1. Apparatus for centrifugally collecting a strand comprising a spinning bucket having an axial bore terminating in an upper closed end, a drive shaft having a surface substantially complementary to that of the bore, at least one groove extending along the surface of the bore from its closed end to its open end to form a passageway therebetween, and an annular recess formed in an axially intermediate section of the surface of the bore between its upper end and its lower end defining storage space for lubricant around the shaft.

2,585,149
POWER TRANSMISSION SYSTEM
Daniel F. McGill, Portland, Oreg., assignor to Donald W. Green, Portland, Oreg., trustee
Application November 11, 1944, Serial No. 563,007
25 Claims. (Cl. 74—672)



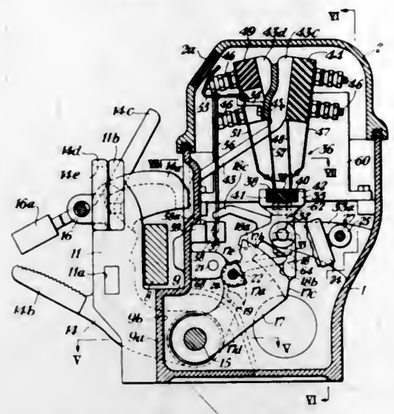
1. A power transmission system comprising first and second transmission mechanisms having input and output shafts, the first of said transmissions driving through said second transmission for producing a compound torque ratio, a forwardly rotatable casing for said transmissions, said first transmission being of the hydraulic turbine torque converter type having guide vanes attached to said casing and said second transmission being of the differential gear type having planet gears journaled in said casing whereby said casing comprises a common reaction member for said transmissions, said casing being responsive to torque developed by said hydraulic transmission for driving against the reaction of said gear transmission, said rotatable casing forming chambers for each said transmission, the chamber in said second transmission forming an oil reservoir, and pump means driven by the input shaft to pump oil from said reservoir to keep said first transmission chamber filled with oil.

2,585,150
LADDER STEP
Daniel F. McGill, Portland, Oreg.
Application November 30, 1946, Serial No. 713,334
4 Claims. (Cl. 304—31.5)



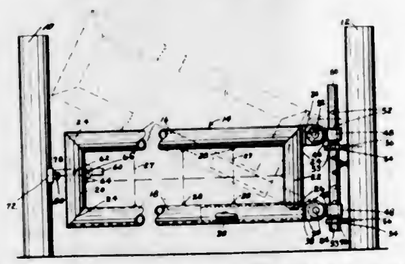
1. A ladder step comprising a step plate, a pair of brackets carried by said plate at opposite ends thereof and adjustable therewith to vary the distance therebetween, each of said brackets having an integral upturned end portion to engage the inside face of a ladder rail, each of said upturned end portions having front and back flange portions to extend over the front and back faces of the ladder rail, one of said flange portions extending upwardly at an angle approximately normal to said brackets and the other upwardly extending flange portion diverging from the first flange portion, and a wedge slidable between each of the flanged portions extending upwardly at an angle approximately normal to said brackets and the adjacent ladder rail to hold said step plate in a substantially horizontal position on a ladder rung.

2,585,151
LOCKING APPARATUS
Kenneth J. J. McGowan, Pittsburgh, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application May 6, 1948, Serial No. 25,327
11 Claims. (Cl. 246—161)



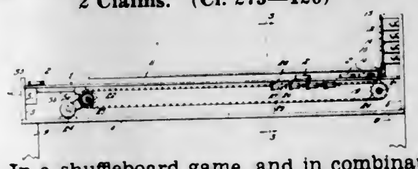
1. In apparatus for locking a throw lever, the combination comprising a casing, a jaw projecting from the casing for receiving the lever, a hollow projection on said casing forming a recess in an interior wall thereof, said casing having an external recess adjoining said interior recess and an aperture in the casing wall between the two recesses, an arbor extending freely through said aperture and supported by the two recess walls opposite the apertured wall, a member rotatably mounted on the arbor in said interior recess, a latch member rotatably mounted on the arbor in said external recess, one of the members having a portion thereof projecting through the aperture and engaging the other member so that the two members rotate concurrently, said latch member being movable between a first position wherein it projects into the jaw to prevent movement of the throw lever therefrom and a second position wherein the latch member is withdrawn from the jaw, lock means inside the casing for limiting rotation of the interior member to prevent movement of the latch member to its second position, and means in the casing for releasing the lock means.

2,585,152
GATE
Jacob B. Merchant, Red Oak, Iowa
Application February 13, 1947, Serial No. 728,357
5 Claims. (Cl. 39—82)



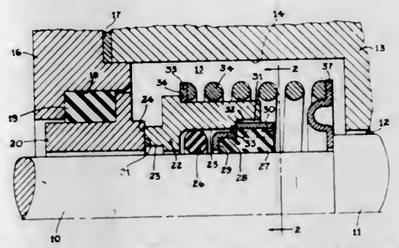
1. A gate for closing a gateway opening bounded by a pair of vertically disposed spaced apart supports comprising a door section disposed between said supports in a vertical plane and including a pipe forming the lower rail of said door section, said lower rail having an opening in the end thereof being disposed toward one of said supports; a rod partially telescopically disposed in said pipe; means pivotally attaching the outer end of said rod to said one support in a manner permitting pivotal movements of said rod in both horizontal and vertical planes; means pivotally attaching said door member to said one of said supports in a manner whereby said door section is free to swing without distortion in both vertical and horizontal planes and permitting movement of said rod as a whole in vertical directions, said pivotal attaching means being disposed above said pipe; and means removably connecting the other one of said supports to the side of said door member adjacent that other support.

2,585,153
POLARIZED ELECTROMAGNETIC SHUFFLEBOARD
Christopher Metz, Baldwin, N. Y.
Application September 8, 1944, Serial No. 553,163
2 Claims. (Cl. 273—126)



1. In a shuffleboard game, and in combination, a playing surface having a scoring field, and automatic scoring means comprising a plurality of magnetically actuated two-way electric switch means of the same magnetic polarity located below said scoring field, for detecting the presence on the playing surface of disks of magnetic material differentiating between disks of opposite magnetic polarity and controlling a score indicator accordingly.

2,585,154
DRIVE FOR ROTARY MECHANICAL SEALS WITH O RINGS
George E. Montgomery, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application November 26, 1947, Serial No. 788,223
2 Claims. (Cl. 286—11.15)

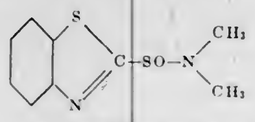


1. A device for effecting a fluid-tight seal between relatively rotatable elements comprising a sealing washer encircling one of the elements and a resilient deformable sealing ring compressed radially by the washer against the said one element, said device being characterized by means for preventing relative rotation between the washer and said one element comprising a band adjacent the sealing ring, a resilient ring compressed solely in a radial direction between the band and said one element to secure the band

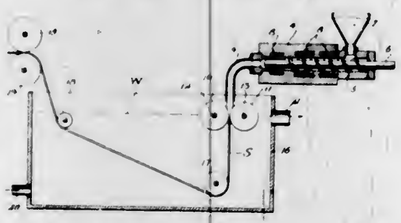
to the said element frictionally, a connection between the band and washer providing relative axial movement but preventing relative rotational movement between the band and washer, and a radially inwardly disposed flange on the band adjacent the sealing ring and limiting axial movement of the said sealing ring in the direction of the band.

2,585,155
BENZOTHIAZOLE-2-DIMETHYLSULFINAMIDE AND PROCESS FOR PREPARING THE SAME
Georges Mingasson, Paris, France, assignor to Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, Paris, France, a French company
No Drawing. Application October 29, 1949, Serial No. 124,478
6 Claims. (Cl. 260—306.6)

1. As a new product, benzothiazole-2-dimethylsulphinamide in the form of crystals melting at about 125° C. and having the following formula:



2,585,156
METHOD FOR FORMING NYLON STRIP STOCK
Eugene E. Montross, Reading, Pa., assignor to The Polymer Corporation, Reading, Pa., a corporation of Pennsylvania
Application August 7, 1947, Serial No. 767,282
3 Claims. (Cl. 18—47.5)



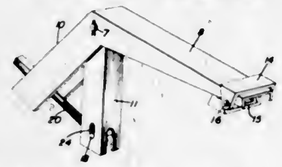
1. A method for forming strip stock from synthetic linear polyamides, which method comprises feeding the polyamide in solid particle form into a screw feed device, continuously moving said polyamide through said device, heating said device to melt the polyamide in said device while the polyamide is being advanced therein and thereby provide for delivery of a stream of molten polyamide from the screw feed device, and directing said stream of molten polyamide to the entrance nip of a pair of rotative forming rolls maintained at a temperature below the freezing point of the polyamide to effect formation and solidification of the strip, the rate of melting of the polyamide in the screw feed device being substantially the same as the rate of feed of the molten polyamide to the entrance nip of the forming rolls.

2,585,157
BELT-SUPPORTING DEVICE
Edmund L. Moore, Agawam, Mass.
Application August 25, 1950, Serial No. 181,465
2 Claims. (Cl. 2—327)

1. A belt supporting device, adapted to be worn beneath the outer clothing, which comprises a pair of suspension members having shoulder engaging loops at their upper ends, at least one cross piece adjustably connecting said members, the lower end portions of the members being reversely bent upon themselves to form loops, pad members engaged in the last-mentioned loops and buckles adjustably connecting the lower ends of the suspension members to the intermediate portion thereof above the pads.

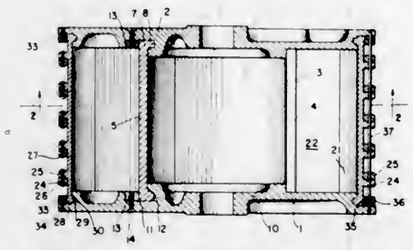


2,585,158
AUTOMOBILE BODY REPAIR TOOL
Gottlieb Jacob Morgenthaler, Philadelphia, Pa.
Application January 30, 1950, Serial No. 141,196
2 Claims. (Cl. 81—15)



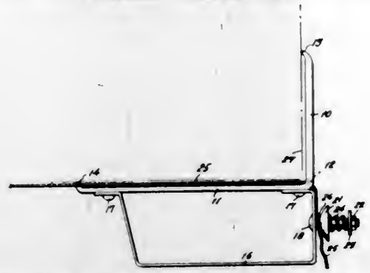
1. An automobile body repair tool comprising a pair of bellcrank channel members each having a pair of legs joined together and said pairs of legs being pivoted to each other at the junction portions of said legs, said channel members having their open sides opposed to each other and positioned one within the other, jaws at one end of the channel members, pressure plates pivoted at the outer ends of the jaws and positioned at the outer surfaces thereof, handles at the other ends of the channel members, a screw journaled in one handle, and feed means carried by the other handle and mounted on the screw for traveling movement to open and close the jaws by the turning of the screw.

2,585,159
CABLE REEL
James C. Morley, Seattle, Wash.
Application June 17, 1946, Serial No. 677,225
5 Claims. (Cl. 242—77)



1. A reel, comprising: two similar flanges, each flange having a hub portion formed with a recess, an undercut in said recess, said recess and undercut forming a mortise, a segmental hollow core with each segment having a tenon adapted to fit in said undercut and a portion only of said recess, and a key in said recess locking said tension in said mortise.

2,585,160
BRICKLAYER'S GUIDE
John R. Munn, Silver Creek, Minn.
Application April 29, 1949, Serial No. 90,471
1 Claim. (Cl. 33—85)



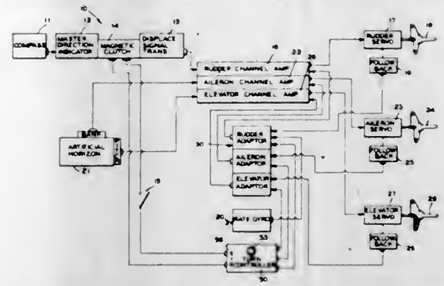
A device of the character described comprising an L-shaped body having a centrally disposed opening at the juncture of its arms, a handle attached to one of said arms, an inturned tooth formed integrally at the outer end of each arm, said tooth for the longer arm having a centrally disposed notch therein, a bolt non-revolubly mounted in said handle and having its threaded end extending outwardly therefrom, a yieldable line holder mounted on said bolt and means for regulating the tension of said yieldable line holder, said means including a dish-shaped washer slidably mounted upon said bolt and having its convex face presented toward the handle, a nut threadably mounted on said bolt, a flat washer upon said bolt inwardly of said nut and a compression spring surrounding said bolt and bearing against both washers.

2,585,161
METHOD OF RECOVERING TIN IN THE FORM OF TIN SULFIDE FROM A LOW-GRADE UNREDUCED TIN ORE
Irving E. Muskat and Robert H. Taylor, Plainfield, N. J., assignors to The Vulcan Detinning Company, a corporation of New Jersey
No Drawing. Application May 17, 1946, Serial No. 670,548
2 Claims. (Cl. 23—136)

1. In the method of recovering tin in the form of tin sulfide from a low grade, unreduced tin ore containing a substantial amount of metallic impurities and about 10% to 40% tin, the step comprising heating, in a non-oxidizing atmosphere at a temperature of about 950° to 1100° C., a substantially uniform mixture of particles of the above said low grade ore, an amount of a solid carbonaceous reducing agent corresponding to at least twice the tin-reducing equivalent of the tin content, with the production of carbon monoxide, of the ore, and from about 10% to 100% by weight of sulfur, based on the weight of the ore, for a time sufficient to volatilize the resulting tin sulfide from the ore undergoing treatment.

2,585,162
COORDINATED TURN CONTROLLER FOR AUTOMATIC PILOT SYSTEMS
Paul A. Noxon, Tenafly, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application September 18, 1947, Serial No. 774,814
18 Claims. (Cl. 244—77)

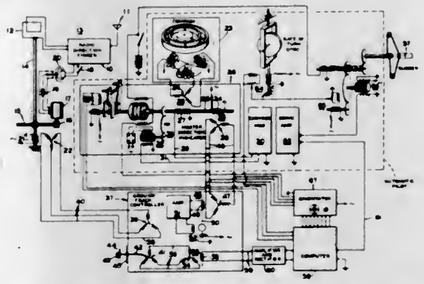
12. In a turn controller for an automatic pilot system for aircraft having an elevator actuating motor, the combination comprising a displaceable member, means for developing signal voltages upon displacement of said member from a neutral position, the amplitude and phase of said voltage depending upon the degree and direction of member displacement, a phase discriminator circuit receiving said signal voltage and varying the characteristic thereof, and means for adjusting the amplitude of the output voltages of said circuit to provide a voltage of greater amplitude for operating the actuating motor in up elevator position when a left turn is made than when a right turn is made.



2,585,163
SYNTHETIC LINEAR POLYAMIDES
Donald Cargill Pease and Carleton Thomas Handy, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 25, 1950, Serial No. 152,006
3 Claims. (Cl. 260—78)

1. A linear polyamide having an intrinsic viscosity of at least 0.8, said polyamide being the reaction product of a diamine mixture consisting, by weight, of 50%–90% of a solid mixture of stereoisomers of di(p-aminocyclohexyl)methane, said mixture melting above 40° C., and 50%–10% of a liquid mixture of stereoisomers of di(p-aminocyclohexyl)methane, said mixture being liquid at 25° C., with a substantially equimolecular proportion of glutaric acid.

2,585,164
RADIO NAVIGATION SYSTEM
Corles Melvin Perkins, Sr., Rutherford, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application October 23, 1947, Serial No. 781,651
7 Claims. (Cl. 343—117)



1. In a radio navigation system for mobile craft for directing said craft along a desired

ground track to a desired source of radio waves, said craft being provided with a radio compass and a magnetic compass for developing signals proportional to the displacement of said craft relative to a pre-selected ground track to be followed by said craft, a course setter mechanism for establishing an artificial beam reference corresponding to the desired ground track to be followed by said craft, said mechanism comprising relatively movable stator and rotor elements, means connecting one of said elements to said radio compass for repeating the signal thereof, manually operable means connected to the other of said elements for displacing the latter relative to the first element for modifying said signal, a second device comprising relatively movable stator and rotor elements, one of said last-named elements being connected to one of said first-named elements whereby said modified signal is repeated in said second device, and means responsive to said magnetic compass signal for displacing the other of said last-named elements to change said modified signal.

2,585,165

COMPOSITION FOR REMOVING CORROSION REACTION PRODUCTS FROM METALS

Lewis Morgan Peters, Erie, Pa., assignor to Ferro-Glo Corporation, Erie, Pa., a corporation of Pennsylvania

No Drawing. Application August 9, 1948, Serial No. 43,352
2 Claims. (Cl. 252—152)

2. A composition for cleaning moulds in the manufacture of glassware consisting of the following ingredients by weight per gallon of the composition:

	Ounces
Water	93.08
Potassium hydroxide solution	11.64
Ammonium hydroxide, 26° Bé	11.64
Sulphuric acid, 66° Bé	11.64

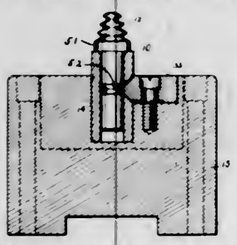
and one ounce of albumen to each 50 gallons of said composition, said potassium hydroxide solution consisting of potassium hydroxide and water in the proportion of 2⅓ ounces of potassium hydroxide flakes to 11⅔ ounces of water.

2,585,166

BURNISHING DEVICE FOR PREFORMED CHANNELS

Wilrose J. Phaneuf, Hudson, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine

Application July 6, 1949, Serial No. 103,240
2 Claims. (Cl. 29—90)



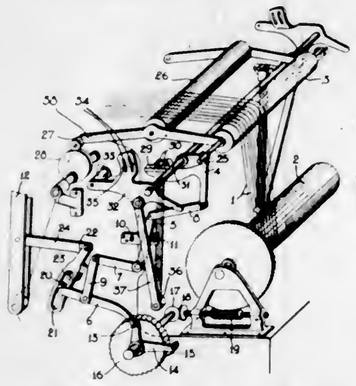
1. A burnishing device including a plurality of burnishing elements to be drawn through a broached channel in a piece of work and effective to simultaneously burnish the opposite side walls of said channel, said device comprising a stand having a longitudinal notch therein and also having a plurality of transverse bearing openings therein which are longitudinally aligned with respect to said channel, each burnishing element being mounted for free rotation in one of said bearing openings and having an axial section closely corresponding to the cross section of said broached channel to be burnished and each burnishing element having a cylindrical bearing portion with an annular groove therein, a frame mounted for longitudinal sliding movement and supporting said stand, a clamping bar mounted on said frame and engaging said stand in said longitudinal notch and having a portion projecting into the annular groove of each burnishing element to prevent axial displacement of said element, and means to secure said bar in clamping position.

2,585,167

LETOFF MECHANISM FOR LOOMS

Jaime Picanol, Ypres, Belgium

Application September 30, 1947, Serial No. 777,057
In Belgium December 3, 1940
3 Claims. (Cl. 139—110)



1. In a loom having a lay sword, and a lever transmitting motion, a positive warp let-off mechanism having a whip-roll, a warp-beam with a pawl and ratchet wheel mechanism, a whip-roll carrier at each loom side, spring means for balancing said whip-roll carriers, an axle rotatably supporting said whip-roll carriers, said axle being located at the geometrical locus of all the points for which the resultant of the variable forces acting on the whip-roll during the unwinding of the warp-beam provides a practically constant torque, a bell crank lever having a fixed pivot pin, a connecting rod transmitting the oscillations of one whip-roller carrier to said bell crank lever, and a second connecting rod pivoted to an end of said bell crank lever, and controlling the adjustable stroke of the lever transmitting motion from the lay sword to the operating pawl of the warp-beam ratchet wheel.

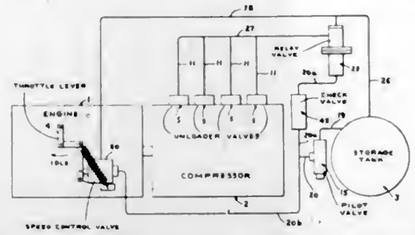
2,585,168

COMPRESSOR CONTROL CIRCUIT

Howard H. Platts, Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application August 21, 1947, Serial No. 769,832
7 Claims. (Cl. 230—3)

2. A control circuit for a fluid compressing unit having an engine, a compressor, and a storage tank comprising pressure responsive unloader valves for said compressor, a first conduit connecting the unloader valves to said storage tank, a relay valve in said conduit for controlling the passage of fluid therethrough, pressure actuated means connected to said relay valve to control the opening and closing of said relay valve, a speed control having a first pressure responsive means therein connected to said engine and said storage tank actuated by pressure from said storage tank for controlling the speed of said engine from full acceleration down to a predetermined minimum speed, a second pressure responsive means in said speed control adjacent said first pressure responsive means therein and provided with a projection thereon adapted to abut said first pressure responsive means within said speed



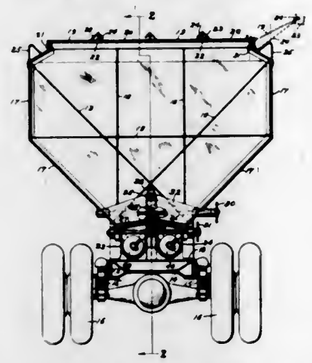
control when said second pressure responsive means is actuated to throttle the engine from said predetermined minimum speed down to idling, controlling means connected to said storage tank and actuated by a maximum tank pressure to actuate said pressure actuated means and said second pressure responsive means and by a minimum tank pressure to vent said unloader valves and said second pressure responsive means to atmosphere, and an orifice and check valve means between said pressure actuated means and said controlling means for delaying the closing of said relay valve.

2,585,169

MOTOR-OPERATED MATERIAL HANDLING EQUIPMENT

Clarence J. Potter, Fullerton, Calif., assignor to Triangle Grain Company, Bellflower, Calif.

Application August 9, 1947, Serial No. 767,728
5 Claims. (Cl. 214—83.16)



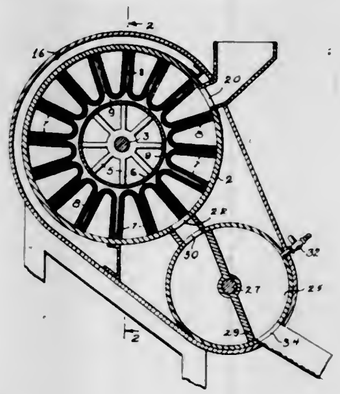
1. In a motor operated material handling machine, the combination with a motor vehicle having a body arranged with different compartments to receive and handle different materials in bulk, with cover means for said body, of a material conveyor in the bottom of said body in the form of two U-shaped trough members common to all comparments therein, with conveyors therein, and slide doors thereover to be opened to permit material from the different compartments in said body to fall thereinto, power means for driving said conveyors, a delivery carrier pivotally connected at one end under the discharge ends of said material conveyor, a receiving intermediate member between the feed end of said conveyors in the bottom of said body and said delivery carrier, said receiving intermediate member being composed of two interfitting parts open at their tops to receive material, and having an opening in their bottoms to discharge said material to said delivery carrier, means in said delivery carrier for moving material therealong to the discharge end thereof, means for raising and lowering said delivery carrier, said delivery carrier being also movable laterally to different places for discharge of said material, and means for connecting the power of said motor vehicle for operating said delivery carrier.

2,585,170

CONTINUOUS PRESSURE COOKER

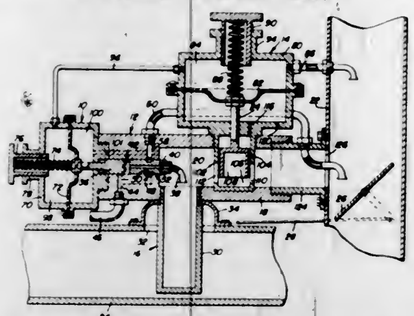
Graflin S. Prather, New York, N. Y.

Application December 5, 1947, Serial No. 789,932
2 Claims. (Cl. 99—443)



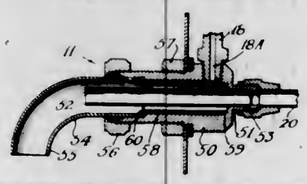
1. A continuous pressure cooker comprising a horizontally disposed drum having a cylindrical bore, closure members for the ends of said drum, a rotatable shaft extending axially through and projecting from said drum, a series of radial members carried by said shaft and extending into proximity with respect to the bore of said drum and with respect to the inner faces of said closure members, means for pressure sealing the longitudinal and side edges of each of said radial members against the bore of said drum and the inner faces of said closure members respectively, said drum having an opening through which the material to be cooked may be introduced, a second horizontally disposed drum having a cylindrical bore, closure members for the ends of said last-named drum, a rotatable shaft extending axially through and projecting from said last-named drum, a blade-like member carried by said last-named shaft and extending into proximity with respect to the bore of said last-named drum and with respect to the inner faces of the closure members therefor, and means for pressure sealing the longitudinal and side edges of said blade-like member against the bore of said last-named drum and the inner faces of its closure members, respectively, said last-named drum having an inlet opening in communication with said first-named drum and a discharge opening remotely disposed with respect thereto, said first-named shaft and said last-named shaft being connected for conjoint rotation.

2,585,171
CARBURETOR
Robert A. Pyle, Lapeer, Mich.
Application April 14, 1950, Serial No. 155,857
9 Claims. (Cl. 123—133)



1. In an internal combustion engine which has an exhaust manifold and an intake manifold a charge forming device comprising a fuel metering valve and a fuel regulator, a vaporizing unit operatively connected with said exhaust manifold and arranged in communication with and to receive fuel from said metering valve, a fuel chamber communicating the intake manifold with said vaporizer unit, said fuel regulator arranged to control the flow through said chamber, and means responsive to pressure in said unit for actuating said metering valve.

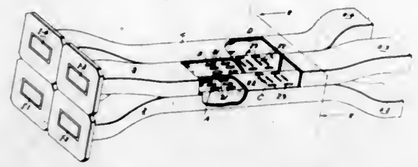
2,585,172
MIXING MECHANISM FOR LIQUID AND BEVERAGE DISPENSING APPARATUS
Donald Reynolds, Niles, Ill., assignor, by mesne assignments, to Lyon Industries, Inc., New York, N. Y., a corporation of Delaware
Application July 6, 1948, Serial No. 37,288
2 Claims. (Cl. 225—21)



1. Beverage dispensing means comprising in combination, means for concurrently flowing syrup and water under gas pressure into a dispensing spigot having a spout portion defining a mixing chamber, a syrup tube of uniform diameter having a terminus disposed substantially in advance of the terminus of the spout portion, and tubular means of uniform diameter concentric about said syrup tube forming, in cooperation with inner wall portions of the spigot, a narrow and confining annular, rectilinear water passage for the aforesaid water, which passage is of uniform, annular, volumetric magnitude at all points and terminates substantially in advance of the aforesaid terminus of the syrup tube.

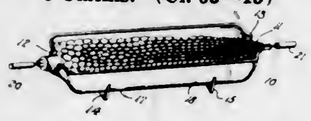
2,585,173
RADIO-FREQUENCY TRANSMISSION LINE CIRCUIT
Henry J. Riblet, Belmont, Mass., assignor to Raytheon Manufacturing Company, a corporation of Delaware
Application July 1, 1948, Serial No. 36,303
27 Claims. (Cl. 178—44)

21. A radio frequency transmission line circuit comprising first, second, third and fourth transmission lines, each having an input end and an output end, means to introduce energy into the input end of said first line, first directional energy coupling means connected between said first and second lines dimensioned to couple substantially half the power incident thereupon from said first line input end into said second line propagating toward the output end thereof, second directional energy coupling means connected between said first and third lines at a



region in said first line following said first coupling means and dimensioned to couple substantially half the power incident thereupon from said first line input end into said third line propagating toward the output end thereof, and third directional energy coupling means connected between said second and fourth lines at a region in said second line following said first coupling means and dimensioned to couple substantially half the power incident thereupon from said first line input end into said fourth line propagating toward the output end thereof.

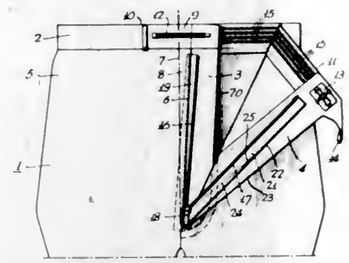
2,585,174
SERVING DISH FOR CORN ON THE COB
Jean W. Rosendahl, Toms River, N. J.
Application May 26, 1949, Serial No. 95,420
3 Claims. (Cl. 65—15)



3. A dish for serving corn on the cob comprising a body having a substantially half round form at any transverse cross section, the ends of said body formed with semi-circular concentric openings that are in alignment with each other, said body of the serving dish having legs to support said dish, each opening having a substantial bearing surface for the end of the ear of corn and each opening being of sufficient size to receive the end of the ear of corn directly thereon, thus permitting manual rotation of an ear of corn when supported therein.

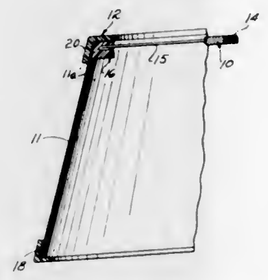
2,585,175
TROUSER FLY CONSTRUCTION
Gordon W. Rosenberg, Elkins Park, Pa., assignor to Constance F. Rosenberg, Elkins Park, Pa.
Application March 11, 1949, Serial No. 80,946
8 Claims. (Cl. 2—234)

1. A trouser construction having a fly-cut body, a waist portion, and a pair of fly portions one of which is adapted to overlie the other, adjustable fastener means on the overlappable parts of the waist portion, slide fastener elements and securing tapes therefor on said fly portions, said tapes increasing in effective free width upwardly from the bottom of the fly portions, the slide fastener element and securing tape on the overlying fly portion being mounted thereon with the fastener element further from the edge of the fly portion than the secured portion of the tape, the slide fastener and securing tape on



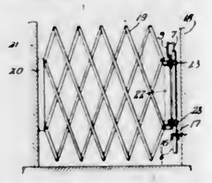
the underlying fly portion being mounted thereon with the fastener element closer to the edge of the fly portion than the secured portion of the tape.

2,585,176
LAMP SHADE HAVING A THERMOPLASTIC MOLDING SECURING IT TO SUPPORTING ARMS
Joseph J. Scherer, Cleveland, Ohio
Application August 13, 1947, Serial No. 768,391
6 Claims. (Cl. 240—108)



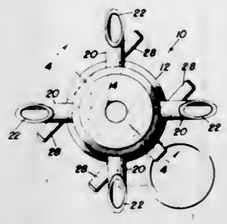
6. A frame for a lampshade including a core, arms extending outwardly from the core and attached thereto, and thermoplastic resin members molded around and encasing the outer ends of said arms.

2,585,177
GATE LATCH
George W. Schweitzer, Philadelphia, Pa.
Application April 20, 1950, Serial No. 157,012
6 Claims. (Cl. 292—150)



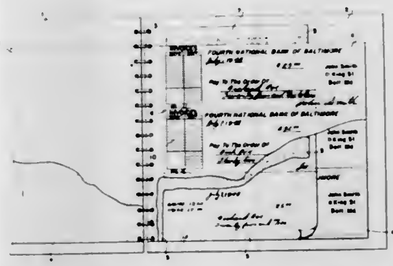
1. A locking rod adapted to cooperate with a surrounding keeper, said rod comprising a pair of elongated members which are relatively movable in a longitudinal direction, a locking portion on one of said members adapted to be expanded so as to engage the keeper and prevent withdrawal of the rod, and wedging means on the other member adapted to effect said expansion upon relative movement of the members in one direction.

2,585,178
MILKER CLAW
Henry A. Sherwood, Harrah, Wash., assignor of one-half to Harold Ransier, Harrah, Wash.
Application July 24, 1950, Serial No. 175,555
1 Claim. (Cl. 119—14.54)



A milker claw, comprising a substantially cylindrical body having a vertical axis and provided with an axial milk passage, a delivery nipple provided centrally at the bottom of said body and constituting a downward continuation of said passage, said body being provided with four upwardly and outwardly extending bores communicating at their inner ends with said passage and having axes disposed in the plane of the lateral surface of an inverted cone which is coaxial with the passage, a set of four milk tubes secured in the respective bores of said body and projecting outwardly therefrom for connection to milk conveying hoses, said body also being provided with two T-shaped air passages disposed below said bores and at the opposite sides of said milk passage, said air passages having coplanar horizontal arms open at the ends thereof and vertical arms communicating with intermediate positions of the horizontal arms, and tubular air hose receiving adapters secured in and projecting outwardly from the end portions of the horizontal and vertical arms of said air passages.

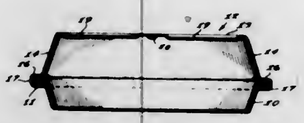
2,585,179
CHECKBOOK
Stanley M. Silver, Baltimore, Md.
Application September 27, 1948, Serial No. 51,383
1 Claim. (Cl. 282—23)



A check book comprising check sheets and record sheets, said check sheets and record sheets being alternately interleaved with one another in superposed relationship and being bound together along their left marginal edges to form a book, said record sheets being of substantially lesser width than said check sheets and underlying the left-hand portion only of said check sheets, said check sheets having marked spaces within the area thereof covered by said record sheets for inscribing thereon the date of the check, the name of the payee, and the amount of the check, said check sheets also having a

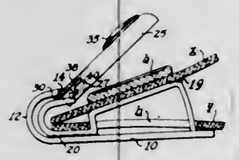
marked space for the drawer's signature on the right-hand portion thereof, said marked signature space having the major portion thereof extending outside of the area covered by said record sheets and a minor portion thereof extending into said area, and record transfer means interposed between the check sheet and the associated record sheet for transferring to said record sheet only the data inscribed on said check sheets within the area covered by said record sheets.

2,585,180
TRAY COVER
Ethmer L. Smith, Rock Island, Ill.
Application January 28, 1947, Serial No. 724,862
1 Claim. (Cl. 220—42)



In combination, a baking pan having upwardly and laterally outwardly flaring walls terminating in a laterally outwardly directed bead, and a removable cover comprising a flat top formed on its edges with depending laterally outwardly flaring sidewalls terminating at their lower edges in laterally outwardly directed horizontal flanges resting upon the top of the pan bead, said horizontal flange being formed on its laterally outward edge with a depending vertical flange terminating at its lower edge in a laterally inwardly and upwardly directed resilient return bend in spaced relation to said vertical flange and having a cylindrical free edge portion engaging the outer side of the pan bead.

2,585,181
CLASP FOR CUFFS AND THE LIKE
Gus G. Stavropoulos and Sam Stavropoulos, Chicago, Ill.
Application September 15, 1949, Serial No. 115,794
7 Claims. (Cl. 24—97)



1. For application to cuffs of shirts and the like having two plies arranged with their meeting edges substantially coincident and with a buttonhole in at least one ply, a clasp comprising a J-bar having long and short arms, a rest carried by the long arm and extended through the buttonhole of one ply to engage the inner face of the other ply for support thereof, a spring mounting extended from the rest to a point adjacent the free end of the short arm of the J-bar, and a cover hinged to the spring mounting to lie opposite the long arm to receive the two plies of the cuff between itself and the long arm of the J-bar, and means on the cover engageable with the free end of the short arm of the J-bar coacting with the spring mounting for urging the cover toward the rest and against the outer face of the supported ply to hold the same thereagainst in spaced relation to the buttonhole ply.

2,585,182
GREASE LUBRICANT
Samuel Sterman, Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application March 18, 1947, Serial No. 735,556
6 Claims. (Cl. 252—41)

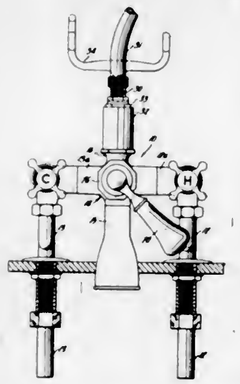
3. A lubricating grease composition comprising a base lubricant of a di-2-ethylhexoate ester of a glycol of the group consisting of triethylene and tetraethylene glycols, and about 5% to 25% by weight of a thickening agent blended therewith consisting of lithium hydroxystearate.

2,585,183
JEWELRY
Raymond J. Stern, New York, N. Y.
Application August 31, 1949, Serial No. 113,455
2 Claims. (Cl. 63—15)



1. In an article of jewelry having an open frame, a reversible setting mounted to turn in the frame, said mounting comprising a spring pintle for the setting extending across the frame and adapted to give slightly under pressure in a line perpendicular to its axis, and integral rigid nib at one end of the setting, a rigid knob on the frame in the path of travel of the nib adapted for overriding by the nib upon contact therewith under pressure due to the spring mounting of the pintle of the setting in the frame, and a space beyond the knob for confinement of the nib to hold the setting in a face presenting position.

2,585,184
HOT AND COLD WATER SUPPLY FITTING
Sarah Storrie, known as Sarah Horne, Edinburgh, Scotland
Application July 5, 1949, Serial No. 103,066
In Great Britain July 5, 1948
6 Claims. (Cl. 137—69)

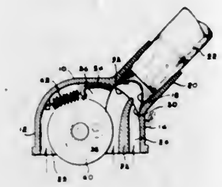


1. A hot and cold water supply fitting comprising a branch member having a pair of aligned horizontal hot and cold water inlet branches respectively, a pair of aligned vertical outlet branches at right angles to said inlet branches, and a valve housing at the junction of said inlet and outlet branches, a valve rotatable in said housing and adapted in one position to open said inlet branches to the upper branch only of said outlet branches and in another position to open said inlet branches to the lower branch only of said outlet branches, a partition extending through the upper outlet branch and dividing it into separate hot and cold water passages leading out from said valve housing, and a mixing chamber communicating with the outer end of said upper outlet branch.

2,585,185
PROCESS FOR PRODUCTION OF COPPER POWDER HAVING AN AVERAGE PARTICLE SIZE OF TWO MICRONS
Lester D. Supiro, Asbury Park, N. J.
No Drawing. Application July 16, 1947, Serial No. 761,438
3 Claims. (Cl. 75—0.5)

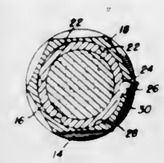
1. The process for producing copper powder having a uniform, fine particle size comprising reacting finely divided cuprous and cupric oxides with concentrated sulphuric acid, maintaining a high concentration of the sulphuric acid or of the resultant copper sulphate in the reaction, maintaining the temperature of the reaction lower than 80° C.

2,585,186
SUCTION NOZZLE HAVING A VARIABLE OPENING
Charles H. Taylor, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 11, 1945, Serial No. 615,623
1 Claim. (Cl. 15—360)



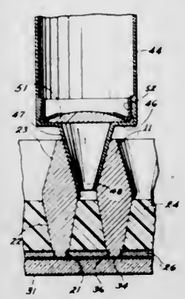
A suction nozzle including a hollow body having an air intake opening formed in one portion thereof, an air discharge opening formed in another portion thereof adapted to be connected to a source of suction, partition means in the interior of said body extending from said air intake opening to said discharge opening to divide the same into two separate compartments each having an air intake opening and an air discharge opening, a shutter and means for biasing the same to a first position in which it is out of registration with all of said openings and movable to a second position in which it obstructs one of the said discharge openings, means for moving said shutter comprising a wheel projecting downwardly from said body and adapted to contact the surface to be cleaned and to be raised relative to said body upon downward movement of the latter and a lever pivoted to said body and connected to said wheel and said shutter for moving said shutter to said second position upon such relative upward movement of said wheel, said wheel being further adapted to support said nozzle in both upper and lower positions.

2,585,187
ROSIN CONTAINER
Richard E. Taylor, Sedalia, Mo.
Application November 16, 1949, Serial No. 127,636
2 Claims. (Cl. 206—56)



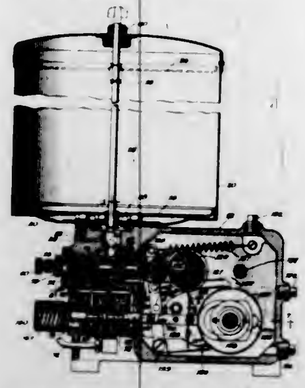
1. A rosin container comprising a base, a tubular flange secured to said base adapted to receive one end of a cake of rosin, a hollow body portion encompassing said flange and said cake and having a transversely extending slot therethrough opening at one end thereof, a plurality of spaced recesses in said flange, an aperture in said body portion adapted to be aligned with one of said recesses, a ball bearing selectively engaged in one of said recesses and said aperture, and spring means secured to said body portion urging said ball bearing against said flange.

2,585,188
PHOTOGRAPHIC COMPOSING MACHINE
Ralph John Taylor, Sr., Salem, Ohio
Application March 10, 1949, Serial No. 80,730
3 Claims. (Cl. 95—4.5)



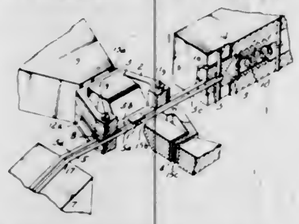
1. In a phototypograph, the combination of a matrix plate comprising a body member having a top side and a bottom side, an array of spaced openings extending through the body from the top side to the bottom side, the body of the matrix forming walls for the openings and each opening having tapered walls to form a constricted central portion, and character bearing means associated with the lower side of the body, each opening having a light modifying character adjacent thereto, a centering pin comprising a member having a tapered lower portion for engagement in the openings of the matrix plate to fix the position of the matrix, and an opening extending longitudinally through the pin member, the openings through the pin and the body of the matrix plate forming a path for the transmission of light, a source of light associated with the pin, and means associated with the pin for directing light from the source through the openings in the pin and the matrix whereby the characters may be successively projected upon a light sensitive medium in a predetermined order relationship.

2,585,189
PUMPING MECHANISM FOR CENTRALIZED LUBRICATING SYSTEMS
Harry R. Tear, Evanston, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 30, 1946, Serial No. 700,224
17 Claims. (Cl. 184—7)



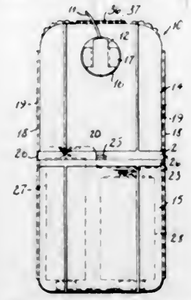
1. In a lubricating system having a conduit system with a feed and return line, a source of lubricant and a pump supplied from said source for supplying lubricant under pressure to said line, means for bypassing the lubricant discharged by said pump from said line, a single directional valve operable to direct the lubricant discharged by said pump alternately into opposite ends of said line for feeding lubricant in opposite directions through the system or to direct lubricant to said bypass means for discontinuing the flow of lubricant to said system, and timing means for positively operating said valve alternately to feed lubricant to said system and to discontinue feeding.

2,585,190
ELECTRODYNAMIC BIFILAR OSCILLOGRAPH FOR NOISELESS SOUND RECORDING ON FILMS
Hugo Thiemann, Zurich, Switzerland, assignor to Gesellschaft zur Forderung der Forschung an der E. T. H., Zurich, Zurich, Switzerland, a firm of Switzerland
Application February 14, 1948, Serial No. 8,446
In Switzerland February 18, 1947
8 Claims. (Cl. 179—100.3)



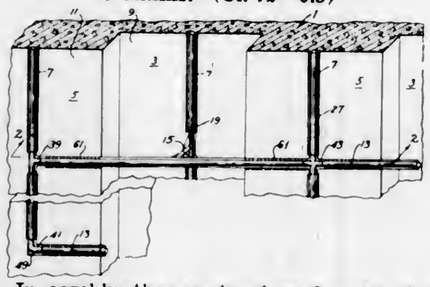
1. An electrodynamic oscillograph for sound recordings with a shifted zero line, wherein the central position of the oscillations is actuated in accordance with the sound oscillations to be recorded corresponding to the desired shifting of the zero line, said oscillograph comprising, in combination, two strings forming a bifilar loop, a recording mirror carried by said strings, separate clamping means for said strings, a rotary metal frame symmetrically mounted on said strings on opposite sides of said mirror, and electrodynamic means rotating said frame and comprising a winding carried by said frame.

2,585,191
HEARING AID APPARATUS HAVING SECTIONAL CASING
Raleigh E. Tresise, Cleveland Heights, and Paul D. Kendall, Maple Heights, Ohio, assignors to Paravox, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 21, 1947, Serial No. 762,278
9 Claims. (Cl. 179—179)



1. An apparatus of the character described comprising a casing having a front section and upper and lower rear sections, the front section and the rear sections being provided with side walls, the side walls of the front section being provided each with a guide channel extending substantially the full length thereof and projecting laterally outwardly from the side edges thereof and the side walls of the rear sections being provided each with an outwardly extending guide rail adapted to be received within the said channels, the bottom of the upper rear section and the top of the lower rear section having one an outwardly projecting rib extending thereacross and the other having a flange adapted to be received beneath the said rib, and the guide channels on the front section being provided each with a slot adapted to be engaged by the corresponding end of the rib on the rear section when the upper end of the upper rear section is in register with the upper end of the front section and the lower rear section engages therewith.

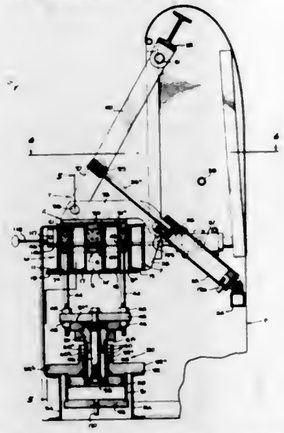
2,585,192
CONCRETE STRUCTURE AND GROUTING ASSEMBLY
Arthur E. Troiel, Berkeley, Calif.
Original application January 26, 1942, Serial No. 428,148, now Patent No. 2,411,011, dated November 12, 1946. Divided and this application July 29, 1946, Serial No. 687,043
2 Claims. (Cl. 72—0.5)



1. In combination, a structure formed of concrete units having interlocking adjacent walls in-

cluding alternate bays and columns, and a unit assembly comprising a horizontal pipe extending across one of such bays at the outer extremity thereof, a longitudinal half pipe section extending from each end of said horizontal pipe along the face of the adjacent column and of a length substantially equal to half the width of said column, and a communication fitting extending into said bay from an intermediate point of said horizontal pipe and for a distance substantially equal to the depth of such bay.

2,585,193
BLOCK FORMING APPARATUS
George A. Vesper, Los Angeles, Calif.
Application December 4, 1947, Serial No. 789,706
3 Claims. (Cl. 25—84)



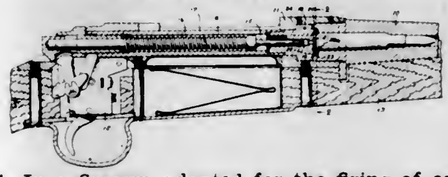
1. In block forming apparatus: means forming a molding space having vertically extending side walls; a closure head for the upper end of said space, movable between open and closed positions; means for operating said closure head to open and closed positions; a bottom closure member for said space, movable upwardly therethrough; means for moving said member upwardly within the mold to a predetermined point when said head is in closed position, and thereafter, when the head is in open position, for moving said member to project from said space, comprising a first hydraulic cylinder and piston, means whereby said piston supports said member; a second hydraulic cylinder and piston, said second cylinder being connected to move with the first piston, the second piston being connected to move with said member; the spaces in said cylinders below the pistons being in free communication; means for supplying fluid pressure to raise the first piston; means forming a fluid lock preventing relative movement between said second cylinder and piston, whereby said pistons move together; and means for releasing the locking fluid to cause the second piston to move in response to said fluid pressure.

2,585,194
POULTRY DIPPING MACHINE
John H. Wagner, Parkville, Md.
Application June 23, 1948, Serial No. 34,731
1 Claim. (Cl. 17—11.2)

A poultry dipping device comprising a base, a U-shaped standard having leg portions, the terminals of the longer leg thereof being secured to the base positioning the shorter leg centrally of the base, spaced guides secured to the outer face of the shorter leg, a bar movable vertically in the guides, a motor mounted on the bight of the standard, bell crank levers pivotally connecting the motor to the bar where upon operation of the motor the bar will be raised and lowered vertically in its guides, and a poultry carrying means secured to the lower end of the bar for the purpose specified.



2,585,195
BREECH CLOSING CONSTRUCTION FOR FIREARMS
Merle H. Walker, Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application January 8, 1949, Serial No. 69,968
5 Claims. (Cl. 42—16)



1. In a firearm adapted for the firing of cartridges comprising rigid extractible cases, the combination comprising a barrel having therein a chamber adapted to receive the major portion of the case of a cartridge to be fired; a breech bolt having integral therewith a forwardly projecting perimetrically continuous wall defining a recess in the head of said bolt adapted to receive the head portion of a cartridge chambered in said barrel; cartridge extracting means located within the recess bounded by said continuous wall and adapted for operative engagement with the head of said cartridge; and an exterior support means for said bolt wall comprising a rigidly fixed perimetrically continuous wall extending rearwardly from the mouth of the chamber in said barrel into continuous exterior supporting relationship to said bolt wall when said bolt is in breech closing position.

2,585,196
ALKALI RESISTANT ALKYLENE POLYAMINE MODIFIED PHENOL - FORMALDEHYDE RESIN
Richard K. Walton, Montclair, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application March 13, 1946, Serial No. 654,229
22 Claims. (Cl. 260—33.2)

1. Aqueous solution of a heat-convertible stable liquid resin capable of being dehydrated

to a non-gelled, glycol-monoether soluble, fusible product adapted for impregnating paper, textile and asbestos sheets, said resin consisting of the water-soluble reaction product of (1) an undehydrated methylol containing condensation product of one mol of phenol per se and between one and three mols of formaldehyde and (2) an alkylene polyamine having at least two nitrogen atoms and at least three replaceable hydrogen atoms attached to said nitrogen atoms, said polyamine being in proportions between $1/f$ mol and one mol per mol of phenol where f is an integer equivalent to the sum of said replaceable hydrogen atoms, the reaction product having been obtained by reacting the methylol condensate and the polyamines in the presence of less than one mol free formaldehyde per mol of polyamine, and with a total amount of formaldehyde above equimolar proportions with said phenol not in excess of two mols per mol of the polyamine.

2,585,197

OIL-FREE WRINKLE FINISH COATING

Richard K. Walton, Montclair, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application April 14, 1950, Serial No. 156,055
6 Claims. (Cl. 260—44)

1. Heat-hardenable coating resin characterized by wrinkle formation upon heat-hardening in film form, said resin being the condensation reaction product of between 1.2 and 2.0 mols formaldehyde, with a reaction product of one mol phenol and between 0.5 and 1.0 mol of a secondary amine selected from the group consisting of diallylamine and aliphatic amines having the structure



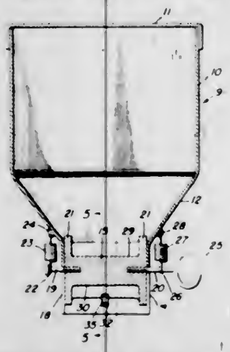
wherein R and R′ are each an alkyl radical having from 1 to 8 carbon atoms.

2,585,198

CONTAINER WITH MEASURING AND DISPENSING MEANS

George B. Warren, Los Angeles, Calif.

Application April 8, 1948, Serial No. 19,807
2 Claims. (Cl. 222—368)



2. In a dispenser of the class described, a one piece open-top container, the lower portion of said container being fashioned into a downwardly tapering funnel like portion and embodying at its discharge end an inverted open bottom valve casing including parallel side walls and end walls, each end wall having a slot opening downwardly through the lower edge portion of said end wall, a substantially cylindrical valve inserted and fitted upwardly through said open bottom and lodged for rotation in said casing, journals on the end portions of said valve operable slidably and rotatably in the respective slots in said end walls, one of said journals being provided with a finger grip, said valve having diametrically opposite measuring and dispensing pockets, and resilient means operatively engaging the container and the valve so as to urge said journals against the upper limits of said slots.

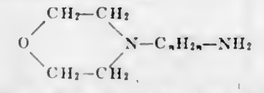
2,585,199

N-AMINOALKYLMORPHOLINE VISCOSITY STABILIZED POLYAMIDE AND PROCESS FOR MAKING SAME

Frederick Kingsbury Watson, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 3, 1950, Serial No. 142,363
17 Claims. (Cl. 260—78)

1. Linear polycarbonamides prepared from reactants of the class consisting of (1) diamines and dibasic carboxylic acids and their amide-forming derivatives, and (2) monoamino carboxylic acids and their amide-forming derivatives, viscosity-stabilized with an N-aminoalkylmorpholine of the formula:



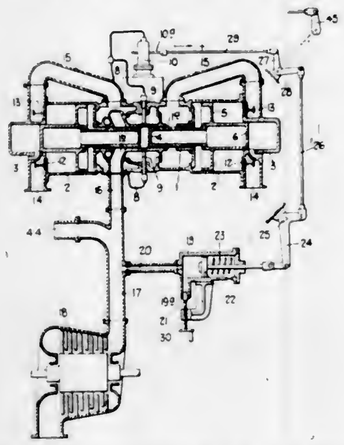
wherein n is a while number from 2 to 12 inclusive, and the nitrogen atoms are separated by at least two carbon atoms.

2,585,200

GOVERNING OF FREE PISTON GAS GENERATOR POWER PLANT

Robert James Welsh, Rugby, England, assignor to The English Electric Company Limited, London, England, a British company

Application September 4, 1945, Serial No. 614,307
In Great Britain March 2, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 2, 1964
3 Claims. (Cl. 60—13)



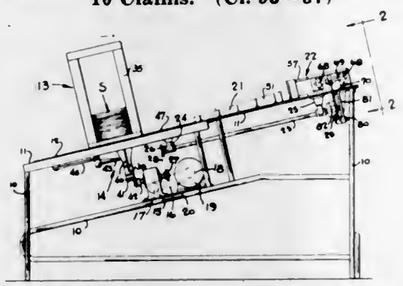
1. Power plant comprising, in combination, a prime mover, an internal combustion engine-driven power gas generator, a fuel injection quantity control member to said engine, a supply connection between the discharge of said power gas generator and the inlet of said prime mover, a branch pipe connected to said supply connection, a restriction in said branch pipe, a fluid pressure servo-motor cylinder connected to the said prime mover inlet through said branch pipe, a speed governor driven by the said prime mover, a leak-off valve on said servo-motor cylinder and in supply connection with said restriction operably controlled by the said speed governor and adapted to reduce its leakage area in response to overspeed of said prime mover and to increase its leakage area in response to underspeed of the said prime mover, a piston slidable in said servo-motor cylinder resiliently biased against the fluid pressure from the inlet to the said prime mover and in operable connection with the fuel injection quantity control member of the said device in such sense that a decrease in gas pressure in the said servo-motor cylinder increases the fuel injection quantity per cycle to the said device and hence its power output, and an increase in the said gas pressure reduces the said fuel quantity and power output.

2,585,201

CARTON SETUP MACHINE

Justin J. Wetzler, Chicago, Ill., assignor to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware

Application May 7, 1948, Serial No. 25,740
10 Claims. (Cl. 93—37)



1. In a carton set-up machine, a bed along which flat, knock-down cartons are adapted to be advanced as a series in front-to-rear, edge engagement with one another, a hopper supplying said cartons gravitationally, a reciprocatory shuttle movable beneath said hopper from the rear to the front side thereof in supporting relation to cartons therein, means actuating said shuttle in a reciprocatory stroke of length approximating the rear to front dimension of said hopper, said shuttle being engageable with the rear edge of the lowermost carton therein to advance the same and the preceding series along said bed, means on opposite sides of the path of carton advance to restrain said cartons vertically against longitudinally overlapping one another, and a fixed body forming device which is elongated in the direction of carton advance and through which said series of cartons is progressively driven by said shuttle.

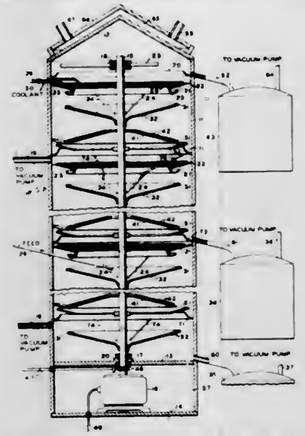
2,585,202

MOLECULAR STILL

William B. Whitney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application May 24, 1948, Serial No. 28,931
7 Claims. (Cl. 202—205)

1. An apparatus for use in distillation of material under high vacuum comprising a vertically disposed cylindrical shell, a rotatable disk evaporator disposed to rotate around the axis of said cylindrical shell as a center, a nonrotatable condenser disk disposed concentrically with respect to said axis and to said evaporator disk and disposed above said evaporator disk, a rotatable evaporator ring disposed to rotate around the axis of said cylindrical shell as a center and disposed between said evaporator and condenser disks, a nonrotatable condenser ring disposed concentrically with respect to said axis and above said nonrotatable condenser disk, a second rotatable evaporator disk disposed below said nonrotatable condenser ring and concentrically with respect to said axis and above said nonrotatable condenser disk, a second nonrotatable condenser disk disposed above said condenser ring, means attached to and rotatable therewith for heating and means for rotating said



evaporator disks and rings, means for cooling said condenser disks and rings, means for collecting and removing distilled liquid from said second nonrotatable condenser disk, means for collecting and removing undistilled liquid from said first rotatable disk evaporator, means for collecting undistilled liquid from said evaporator ring and from the second rotatable evaporator disk, and conduit means communicating from last said collecting means to a point above and near the center of the first mentioned rotatable evaporator disk, means for collecting condensate from said non-rotatable condenser ring and conduit means for transferring condensate from the last mentioned condensate collecting means to a point above and near the center of said second rotatable evaporator disk and means for introducing liquid to be distilled to the top at a point near the center of said first evaporator disk.

2,585,203

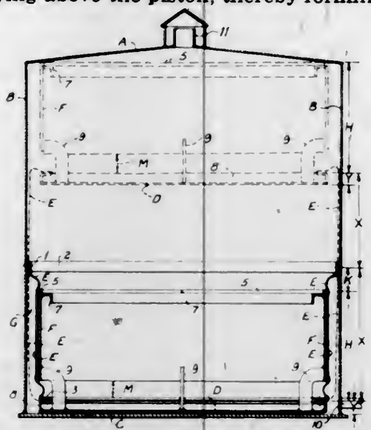
DRY SEAL PRESSURE TYPE GASHOLDER

John H. Wiggins, Chicago, Ill.

Application July 24, 1947, Serial No. 763,201
2 Claims. (Cl. 48—178)

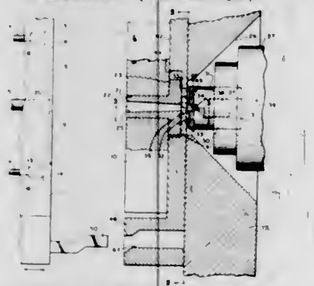
1. A fluid storage apparatus, comprising a container provided with a vertical side wall, a vertically-movable piston in said container, a curtain-like sealing member attached to the piston and to the container side wall, the height of said sealing member exceeding the distance between the line at which the sealing member is attached to the container side wall and the line at which said sealing member is attached to the piston when said piston is in its lowermost position, and a backing member rigidly attached to said pis-

ton, the lowermost portion of the backing member lying above the piston, thereby forming a gap



into which the lower end of the sealing member is adapted to be flexed by pressure of fluid stored in the container.

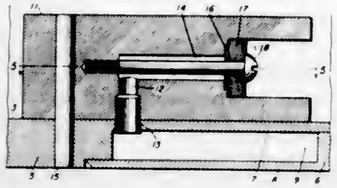
2,585,204
SHUTOFF MECHANISM FOR AN INJECTION NOZZLE
Raymond O. Wondra, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 2, 1949, Serial No. 130,673
2 Claims. (Cl. 18—30)



1. In a plastics injection molding apparatus having stationary and movable dies and a nozzle having an orifice for registration with a sprue-defining entrance to the dies, the combination of a movable plate mounted for movement transversely of and between said orifice and sprue-defining entrance, said plate having a passageway for registration with said orifice and sprue-defining entrance in one position of said plate upon said dies being closed, said plate having camming surfaces formed thereon and a cam member carried by the movable die coacting with said surfaces for actuating said plate to move its passageway into and out of register with the nozzle orifice and sprue-defining entrance in timed relation to the closing and separation, respectively, of said dies.

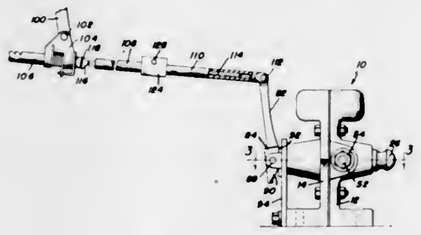
2,585,205
LIQUID FUEL INJECTOR
Carl T. Young, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy
Application August 14, 1947, Serial No. 768,693
4 Claims. (Cl. 261—73)

1. A streamlined liquid fuel injector, bifurcated at its rear end, there being a fuel duct within said injector, opening between the furcations thereof to form an outlet port for the fuel, said injector having a transverse slot in communication with said port and forming continuations



of said fuel duct, a baffle plate mounted over said slot to form therewith a pair of oppositely opening fuel discharge ports, and means for securing said baffle plate to said injector.

2,585,206
BRAKE POSITION CONTROLLED SWITCH
Stephen Zentecki, South Dayton, N. Y.
Application September 28, 1950, Serial No. 187,215
2 Claims. (Cl. 200—59)



2. A safety device for controlling electric circuits vital to the operation of a motor vehicle and its engine comprising a switch having fixed and movable contacts adapted to control a vital electric circuit, a cam connected to said switch for operating the same, a switch lever connected to said cam, a brake actuator for a motor vehicle including an actuator rod having both reciprocatory and rotary motion, means connecting said actuator rod and said switch lever for actuation of the latter by the former to break the vital electric circuit when the actuator rod is moved in one direction while in a first predetermined rotary position and for operatively disconnecting the former from the latter to allow the vital electric circuit to remain energized when the actuator rod is moved in said one direction while in another predetermined rotary position, said connecting means comprising a pair of telescoping relatively slidable and rotatable members, the outer member being non-rotatably secured to said switch lever, the inner member being secured to said brake actuator rod for rotary and reciprocatory movement therewith, a clutch means engaging said telescoping members for actuation of the outer member by the inner member upon movement of the latter in one direction while in a predetermined rotational position with respect to the outer member, said clutch means comprising a shouldered recess on said inner member, a dog pivoted on the outer member and engageable in said recess.

2,585,207
APPARATUS FOR DRILLING LATERAL BORES DEVIATING FROM VERTICAL WELL BORES
John A. Zublin, Los Angeles, Calif.
Application October 11, 1950, Serial No. 189,591
6 Claims. (Cl. 255—1.6)

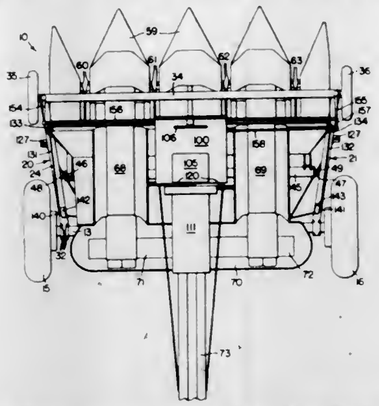
1. In apparatus for drilling a lateral bore deviating from an existing vertical well bore, a resilient, normally curved, tubular drill guide which must be forcibly flexed from its normally curved configuration to enter an existing well bore, the resiliency of said drill guide when so flexed being adequate to store sufficient potential energy to forcibly guide a rotating drill bit in a path to drill a lateral bore deviating from the existing vertical well bore, a flexible, non-resilient, bit driving member extending through and rotatable within said drill guide, a flexible, non-resilient drill string section secured to the upper end of said flexible bit driving member, said drill string



section and said bit driving member each comprising a plurality of generally tubular rigid elements interconnected in end to end relationship for relative angular movement with adjacent elements having longitudinally extending intermeshing teeth thereon for transmitting torque from element to element thereof, a drill bit secured to the lower end of said bit driving member for rotation therewith, and means for securing the upper end of said drill string section to the lower end of a rigid rotary drill string for rotation in unison therewith.

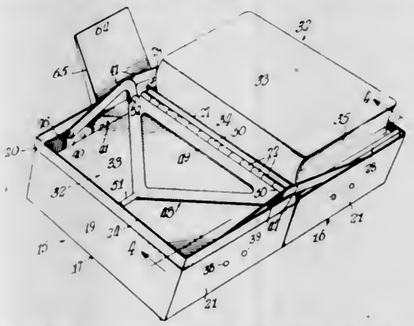
2,585,208
IMPLEMENT FRAME CONSTRUCTION
Arthur B. Abel, Fairmont, Minn.
Application October 8, 1947, Serial No. 778,673
25 Claims. (Cl. 56—15)

1. Implement supporting means comprising in combination, a transverse wheel-supported member, a pair of laterally spaced, longitudinally extending side arms mounted on said member by means providing for relative angular movement about a transverse axis, each of said side arms comprising a pair of beams shiftable angularly relative to each other, a pair of ground engaging supports, one mounted on one beam of one pair of beams and the other mounted on one beam of the other pair of beams, an implement frame, means pivotally mounting said frame at opposite ends, respectively, on the other beam of each pair of beams, means for transferring weight between each pair of beams, and



means swingably mounting said frame on said wheel supported member between said side arms.

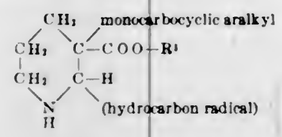
2,585,209
COMBINED CARRYING AND STUDYING CASE
Scott M. Abbott, Chicago, Ill.
Application November 12, 1948, Serial No. 59,535
4 Claims. (Cl. 45—86)



1. A case of the kind described embodying therein a pair of casings each having an open front, a back and sides and ends, means providing a pivotal connection between said casing and whereby they may be swung from a closed case forming position wherein the open fronts of said casings engage each other, to the open case forming position wherein the open fronts of said casing are disposed substantially in the same plane, a book supporting member in each casing, a pair of arms pivotally mounted on each end of each casing, means between one end of the arms of each pair for causing them to swing in opposite directions, one arm of each pair including an extension, a pair of links operatively connected at one end to the extensions of each pair of arms and overlapping each other at the other end, means for operatively engaging the other end of the arms of each pair with an adjacent end of the book supporting member in the same casing, means between the books on said members and mounted for a swinging movement about an axis parallel with said pivotal connection and having portions at the ends thereof operatively engaged with the overlapped extensions of the pair of links at each end of each casing and operable when said casings are in the opened positions, through said links and associated arms to move said book supporting members in alternation from one position to the other thereof.

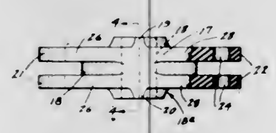
2,585,210
PIPERIDINE CARBOXYLIC ACID ESTERS
Noel F. Albertson, East Greenbush, N. Y., assignor to Sterling Drug Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 26, 1949, Serial No. 78,673
2 Claims. (Cl. 260—294)

1. A 3-piperidinecarboxylic ester having the formula



where R^5 is a lower alkyl group containing 1–6 carbon atoms.

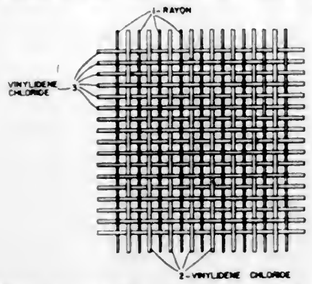
2,585,211
RESILIENT SWITCH CRANK
Charles M. Amon, Youngstown, Ohio
Application June 17, 1949, Serial No. 99,610
3 Claims. (Cl. 74—559)



1. A switch crank formed of rubber-like material, said crank including a reinforced hub part having a central shaft receiving opening therein, and having two integral similarly formed straight flat arms extending laterally in opposed spaced aligned relation from longitudinally spaced peripheral portions of one side of the hub part with their flat faces extending in planes perpendicular to the axis of the hub part, the laterally extending arms being of substantially less thickness than the length of the hub part and being resilient, the arms each being of greatest width at the juncture of the same with the hub part and at that point substantially equal to one-half the circumference thereof, the opposite side edges of the arms converging to the outer ends of the same, the outer ends of the arms being of substantially less width than the width of the arms at the juncture of the same with the hub part, each arm having an opening therein adjacent its outer end and the openings in the arms being in alignment, and said crank having a broad flat reinforcing web portion extending laterally from one side of the hub part between inner end portions of said laterally extending arms and formed integral therewith.

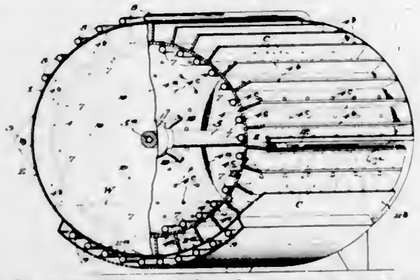
2,585,212
WOVEN FABRIC
George Backer, New York, N. Y.
Application April 17, 1948, Serial No. 21,701
1 Claim. (Cl. 139—420)

A woven fabric, having a warp consisting of vinylidene chloride threads having a diameter of 0.01" to 0.012" and rayon threads of 900 to 1100 deniers, said warp having 8 ends of rayon to 4 ends of vinylidene chloride threads as alternating groups of threads and a filling consisting



of vinylidene chloride thread having a diameter of 0.01" to 0.012".

2,585,213
PROCESSING MACHINE
John S. Baker, Los Angeles, Calif.
Application January 10, 1946, Serial No. 640,239
15 Claims. (Cl. 99—364)

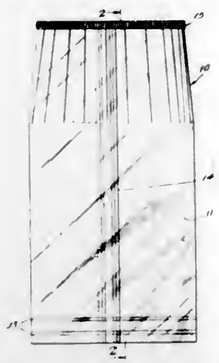


1. In a machine of the character specified, the combination of a cylindrical heating chamber formed of upper and lower semi-cylindrical sections closed at each end and adapted to hold a quantity of water in its lower portion; the upper section being steam tight and hinged to the lower section; an enclosed rotatable cylindrical can propeller in said chamber forming a cylindrical canway between the periphery of the propeller and walls of the chamber, said propeller having steam-tight longitudinal can-pockets on its periphery to accommodate successive rows of cans, said pockets extending outwardly from the periphery of said propeller and substantially sealing said canway to retard the free flow of steam from said can pockets; steam pipes carried within the inner periphery of said propeller adapted to boil the water in the bottom of the propeller and to generate steam pressure therein; the periphery of the propeller having perforations therein to emit steam pressure into the said can pockets; means for conducting steam to said pipes; means for heating the water in the lower canway; means for feeding cans into the can pockets of the propeller within the chamber; and means for discharging cans from the chamber; said feeding and discharging means being located in the lower section of the chamber so that steam pressure may be developed in the upper section of the chamber.

2,585,214
ELASTIC CLOSURE FRUIT BAG
Frank Belmont, Anaheim, Calif.
Application July 15, 1949, Serial No. 104,970
4 Claims. (Cl. 229—62)

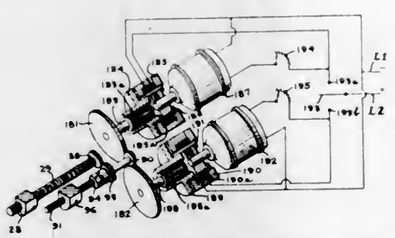
1. A bag for the packaging of fresh fruits, vegetables and the like comprising: a sheet of thin

transparent film joined together at the side and bottom and having an opening at the top; a ribbon elastic secured to the top of said sheet and



having its edges folded on both sides of said sheet; said ribbon elastic normally tending to bias the edges of said opening towards a partially closed position.

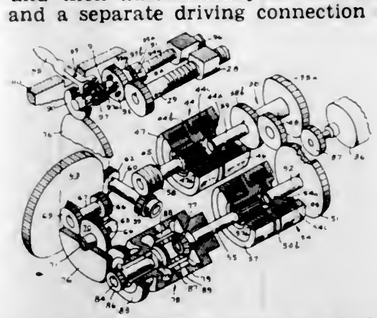
2,585,215
POWER UNIT
Clifford A. Bickel, Stanley A. Brandenburg, and Theodore Foster, Sidney, Ohio, assignors to The Monarch Machine Tool Co., Sidney, Ohio, a corporation of Ohio
Application March 24, 1945, Serial No. 584,570
23 Claims. (Cl. 82—2)



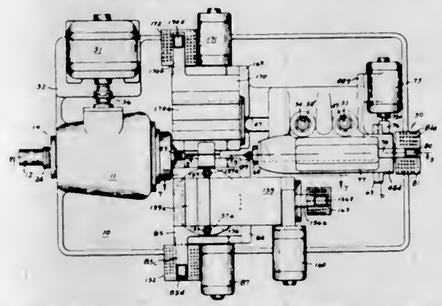
14. An attachment for machine tools comprising a bed, a slide reciprocably mounted upon said bed, a pair of motor and clutch units, each connected to drive said slide, circuit means operable to simultaneously energize each motor and close its clutch, and means operable by and upon reciprocation of said slide to de-energize one unit and energize the other unit.

2,585,216
UNITARY MECHANISM FOR PERFORMING MULTIPLE SIMULTANEOUS AND SUCCESSIVE OPERATIONS
Clifford A. Bickel, Stanley A. Brandenburg, and Theodore Foster, Sidney, Ohio, assignors to The Monarch Machine Tool Co., Sidney, Ohio, a corporation of Ohio
Application May 7, 1945, Serial No. 592,507
9 Claims. (Cl. 82—2)

1. In a machine tool, a bed, a main slide reciprocably guided on said bed, a relief slide reciprocably mounted on said main slide and adapted to support a tool, a motor mounted on said bed, driving connections between said motor and said slides adapted to move said relief slide a predetermined distance in relief movement and then automatically move said main slide, and a separate driving connection operable to cause said slides to move at all times as a unit.



2,585,217
AUTOMATIC LATHE
Clifford A. Bickel, Stanley A. Brandenburg, and Theodore Foster, Sidney, Ohio, assignors to The Monarch Machine Tool Co., Sidney, Ohio, a corporation of Ohio
Application May 7, 1945, Serial No. 592,508
10 Claims. (Cl. 82—21)

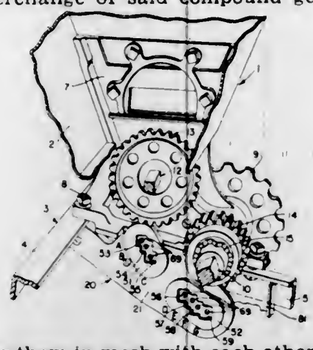


1. In a machine tool having a bed and a reference axis, a cross slide mounted on said bed for translation toward and from said axis, a driving motor, a differential, a driving connection between a first side of said differential and said cross slide, a high speed drive between said motor and a second side of said differential, a slow speed drive between said motor and the third side of said differential, and means including a switch operated by movement of said slide to alternatively render said drives effective and ineffective.

2,585,218
GEARING FOR GRAIN DRILLS
Royce R. Borngraeber, Horicon, Wis., assignor to John Deere Van Brunt Company, Horicon, Wis., a corporation of Wisconsin
Application November 25, 1949, Serial No. 129,391
3 Claims. (Cl. 74—325)

1. In a grain drill having a frame and a feed shaft gear and a drive shaft gear journaled thereon, the improvement comprising speed-change mechanism adapted to connect said gears and including a pair of compound gears, each having gear sections of different diameters, a pair of gear studs, one for each of said compound gears, each stud including a gear-receiving cylindrical bearing section and an axially arranged polygonal boss at one end smaller than the diameter of said bearing section, a gear hanger having two sets of polygonal sockets spatially arranged to receive said polygonal bosses of both of said studs in a plurality of positions and to

hold said studs against rotation, the spatial arrangement of said studs accommodating reversal and interchange of said compound gears while



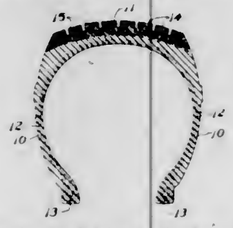
disposing them in mesh with each other and with said shaft gears, means for fixing said studs in selected sockets, and means for connecting said gear hanger with said frame.

2,585,219

ANTISKID COMPOSITION AND METHOD OF MAKING SAME

Thomas E. Boyle, Auckland, Auckland, New Zealand, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application August 24, 1949, Serial No. 112,065
19 Claims. (Cl. 152—21)



1. A vulcanized elastomeric tread composition comprising 100 parts by weight of a vulcanized rubbery conjugated diene polymer and from 25 to 55 parts by weight of a mixture of nut shell particles having a durometer "D" hardness of from 65 to 100 points and oat hulls, said mixture consisting essentially of from 35 to 65 percent by weight of nut shell particles and from 65 to 35 percent by weight of oat hulls, said nut shell particles consisting substantially of a size which passes through a U. S. Standard Sieve Series No. 10 screen but is retained on a U. S. Standard Sieve Series No. 35 screen and said oat hulls consisting substantially of a size which passes through a U. S. Standard Sieve Series No. 14 screen but is retained on a U. S. Standard Sieve Series No. 60 screen.

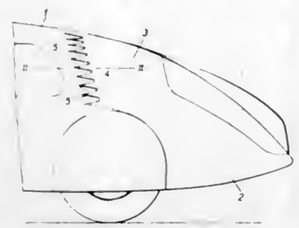
2,585,220

AIR INLET STRUCTURE FOR THE ENGINE COMPARTMENT OF STREAMLINED VEHICLES HAVING REAR ENGINES

Rudolf Břežek, Prague-Smichov, Czechoslovakia, assignor to Tatra narodni podnik, Koprivnice, Czechoslovakia

Application February 27, 1948, Serial No. 11,789
In Germany June 5, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 5, 1963
3 Claims. (Cl. 180—54)

1. In a streamlined motor vehicle with a rear engine, a vehicle body provided in each of its sides with a transverse air inlet slot between the useful space of the body and the engine space and extending from a point above the vehicle mudguard to a point short of the top of the vehicle body, an air guiding channel formed in



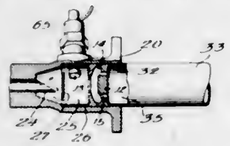
rear of said slot by inwardly bent portions of the side walls of the vehicle body, and a series of parallel flat ribs seated in said air channel and subdividing said transverse slots into a series of air inlet openings.

2,585,221

REIGNITION MEANS FOR COMBUSTION HEATERS

Theodore S. Briskin, Santa Monica, Calif., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware

Original application December 21, 1942, Serial No. 469,668. Divided and this application May 11, 1948, Serial No. 26,405
3 Claims. (Cl. 158—28)



1. In a combustion heater, the combination of means forming an ignition chamber, means forming a combustion chamber disposed adjacent thereto, means for supplying a mixture of fuel particles and air forwardly into said ignition chamber, and re-ignition means comprising a refractory device provided with a plurality of peripherally arranged passageways, said device being disposed forwardly of said supplying means and separating said chambers, the central portion of said refractory device being unperforated, said refractory device including an annular portion overhanging the entrance to said passageways but not said central portion whereby said particles of unvaporized fuel will impinge upon said central portion and will be vaporized by contact therewith before moving radially outward to the entrance of said passageways.

2,585,222

VINYL RESIN PLASTICIZED WITH A MIXTURE OF A MONOHYDRIC ALCOHOL ESTER OF THE MALEIC ANHYDRIDE ADDUCT OF ROSIN ACID AND A MONOHYDRIC ALCOHOL ESTER OF A FATTY ACID

Paul F. Bruins, Douglaston, and Edward J. Kurtz, Brooklyn, N. Y., assignors to National Southern Products Corporation, a corporation of Delaware

No Drawing. Application February 25, 1949, Serial No. 78,472
2 Claims. (Cl. 260—27)

1. A plastic composition comprising approximately 60 parts by weight a vinyl plastic selected from the group consisting of polyvinyl chloride, a copolymer of vinyl chloride with vinyl acetate and a copolymer of vinyl chloride with vinylidene chloride, from 16 to 24 parts by weight dioctyl phthalate, and from 16 to 24 parts by weight a plasticizer comprising a mixture of a monohydric aliphatic alcohol ester of the maleic anhydride adduct of rosin acid found in tall oil and a monohydric aliphatic alcohol ester of the fatty acids resulting from forming said adduct, said monohydric aliphatic alcohol containing less than ten carbon atoms.

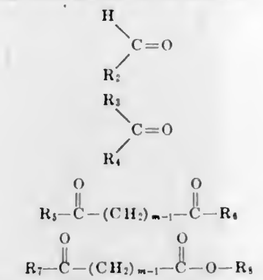
2,585,223

PROCESS FOR PREPARING β-LACTONES EMPLOYING A URANYL SALT CATALYST

John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 6, 1949, Serial No. 109,055
18 Claims. (Cl. 260—344)

1. A process for preparing a β-lactone comprising reacting ketene ($CH_2{=}C{=}O$) with a carbonyl compound selected from the group represented by the following four general formulas:



wherein R_2 represents a member selected from the group consisting of a hydrogen atom, an alkyl group of the formula C_nH_{2n+1} wherein n represents a positive integer of from 1 to 4, a benzyl group, a β-phenylethyl group and a phenyl (C_6H_5—) group, R_3 and R_4 each represents a member selected from the group consisting of an alkyl group of the formula C_nH_{2n+1} wherein n represents a positive integer of from 1 to 4, R_5 and R_6 each represents an alkyl group of the formula C_nH_{2n+1} wherein n represents a positive integer of from 1 to 3, R_7 represents an alkyl group selected from the group consisting of methyl and ethyl groups, and R_8 represents a member selected from the group consisting of primary and secondary alkyl groups of the formula C_nH_{2n+1} wherein n represents a positive integer of from 1 to 4 and m represents a positive integer from 1 to 3, in the presence of at least one of the anhydrous and hydrated uranyl salts selected from the group consisting of uranyl chloride and uranyl nitrate, at a temperature of from −40° to 50° C.

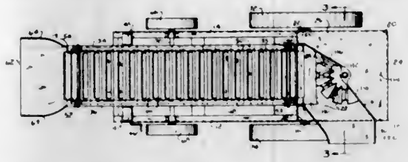
2,585,224

STONE CRUSHING DEVICE

Robert A. Campbell, Glen Flora, Wis.

Application April 30, 1948, Serial No. 24,132
2 Claims. (Cl. 241—81)

1. In a device of the class described, in combination, a frame, a vertical open-topped chamber supported by said frame, the interior surface of said chamber tapered inwardly from the open end and supporting a plurality of axially extending projections, a rotor within the axis of said chamber carrying a plurality of laterally extending projections which cooperate with the projections on the interior surface of the chamber to form a grinding mill when the rotor is moved relative to the chamber, there being an annular opening at the top of the mill between the chamber and the rotor for the admission of an aggregate between said projections, means supported by the frame for moving aggregate to the top of the mill, means supported by the frame for driving the rotor, a plurality of horizontally extending ribs on the upper end of the rotor and projecting in the direction of the chamber to engage oversize elements of the aggregate, a chute extending outwardly from one side from the top of the mill for receiving and disposing of the oversize elements, and a barrier extending from adjacent the axis of the rotor to one side of the chute in relatively close spaced relation to the horizontally extending ribs on the motor for engaging the oversize elements carried by the ribs and discharging the same into the chute.

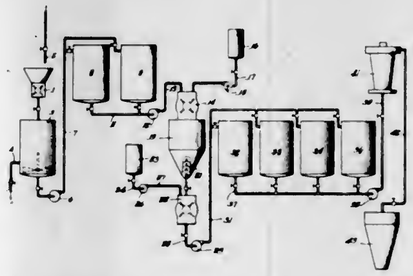


2,585,225

PROCESS FOR HYDROLYZING LACTALBUMIN

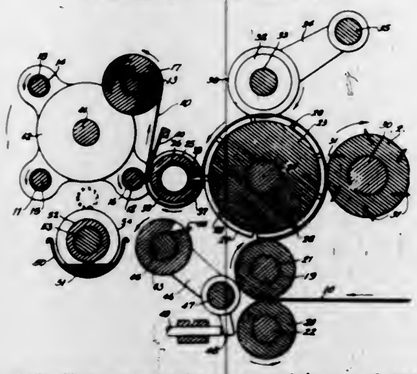
Gustaf H. Carlson, Detroit, Mich., assignor to R. P. Scherer Corporation, Detroit, Mich., a corporation of Michigan

Application August 23, 1947, Serial No. 770,221
5 Claims. (Cl. 99—19)



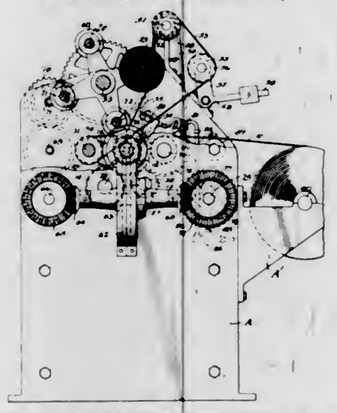
1. A method for preparing a product of high nutrient value, characterized by substantial freedom from objectionable odor and taste, which comprises admixing an aqueous slurry of lactalbumin with a non-toxic alkaline material and maintaining the mixture at a temperature in the range of 35 degrees C. to 50 degrees C., the pH of said mixture being controlled so that it falls within the range of 7.5 to 11.0, whereby said solution undergoes gelatinization, adding a proteolytic pancreatic enzyme free from lipolytic activity to said gelatinized mass and holding the resulting mixture at a temperature falling within the range of 38 degrees C. to 44 degrees C. for a period not exceeding about two hours, while maintaining the pH of said mixture at at least 7.0 to form a hydrolyzed lactalbumin having not more than about 19% of its total nitrogen content in the form of alpha amino nitrogen clarifying said reaction mixture to recover the liquid effluent, and then drying the same.

2,585,226
WINDING APPARATUS
Peter J. Christman, Green Bay, Wis.
Application March 21, 1946, Serial No. 655,920
6 Claims. (Cl. 242—56)



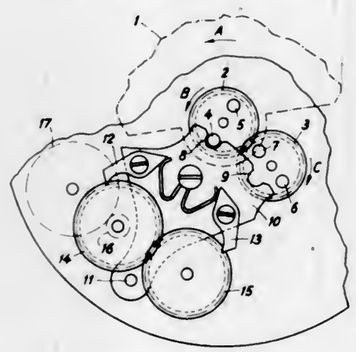
1. Winding apparatus comprising a frame, a plurality of spaced mandrels movably supported thereby, a hollow tubular paper core on each of said mandrels, said mandrels being rotatable, means for moving a first mandrel beyond web-winding position and simultaneously moving a second mandrel into web-winding position, a feed roll for delivering the web to the mandrel in web-winding position, said feed roll having a longitudinal groove in the surface thereof substantially parallel to the axis of the roll, a roll carrying a projecting knife disposed in adjacent relation to said feed roll, said knife being adapted to sever said web and pass into the recess in said feed roll at predetermined intervals, means for applying adhesive to portions of the paper core on the mandrel which is moving into web-winding position, said feed roll having recesses in alignment with said adhesive-applying means whereby the feed roll does not engage the portions of the core to which adhesive is applied, and means for retaining the leading end of the severed web on the feed roll until the feed roll is delivered to the core on the mandrel in web-winding position.

2,585,227
WINDING APPARATUS
Peter J. Christman, Green Bay, Wis.
Application March 21, 1946, Serial No. 655,921
4 Claims. (Cl. 242—56)



1. Winding apparatus comprising a frame, a plurality of spaced mandrels movably mounted thereon, means for delivering a web to a first mandrel in web-winding position, means for moving said first mandrel beyond web-winding position and simultaneously moving a second mandrel to web-winding position, said second mandrel in web-winding position being disposed immediately adjacent one side of said web, a knife, means for moving said knife to sever said web at a point beyond said second mandrel, a source of liquid, a liquid nozzle, and valve means actuated in timed relation to the severing of said web by said knife for applying fluid from said source and through said nozzle to the leading end of said severed web immediately after the severance thereof to bring said leading end of the web into engagement with said second mandrel.

2,585,228
SELF-WINDING WATCH
Marc Colomb, Peseux, Switzerland, assignor to Fabrique d'Eabauches de Peseux S. A., Peseux, Switzerland, a joint-stock company
Application June 1, 1951, Serial No. 229,370
In Switzerland June 21, 1950
4 Claims. (Cl. 58—82)



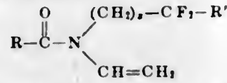
1. A self-winding watch comprising a body arranged for pendulum motion as well as for complete revolution, interengaging gear wheels arranged to be driven by said body, a member arranged for rocking motion, interengaging winding wheels arranged to be driven by said member, and means on said gear wheels and means on said member adapted for intermittent mutual engagement.

2,585,229
PROCESS FOR PREPARING 1,4-NAPHTHOQUINONE COMPOUNDS
Harry W. Coover, Jr., and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 23, 1949, Serial No. 77,976
11 Claims. (Cl. 260—396)

1. A process for oxidizing a compound selected from the group consisting of 4*a*,5,8,8*a*-tetrahydro-1,4-naphthoquinone compounds and 5,8-dihydro-1,4-naphthoquinone compounds which comprises reacting said compound with an oxidizing agent selected from the group consisting of dilute nitric acid, nitrous acid and the oxides of nitrogen higher than NO and wherein said oxidation process consists in the removal of hydro hydrogen from the 4*a*,5,8 or 8*a*-positions of the aforesaid 1,4-naphthoquinone compounds.

2,585,230
N-FLUOROALKYL-N-VINYLALKANAMIDES AND PREPARATION THEREOF
Harry W. Coover and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 16, 1949, Serial No. 127,802
20 Claims. (Cl. 260—89.7)

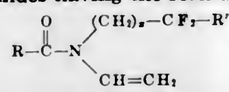
1. N - fluoroalkyl - N - vinylalkanamides represented by the formula:



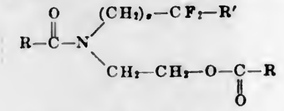
wherein R represents an alkyl radical containing from 1 to 3 carbon atoms, R′ represents a member selected from the group consisting of an alkyl radical containing from 1 to 3 carbon atoms, a hydrogen atom and a fluorine atom, and x represents a whole number of from 1 to 4.

5. Polymers of the compounds defined in claim 1.

9. A process for preparing N-fluoroalkyl-N-vinylalkanamides having the formula:

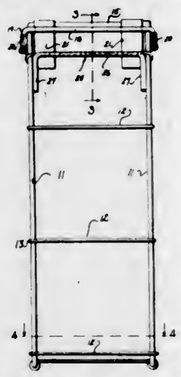


comprising pyrolyzing N-fluoroalkyl-N-β-acyloxyethylalkanamides having the formula:



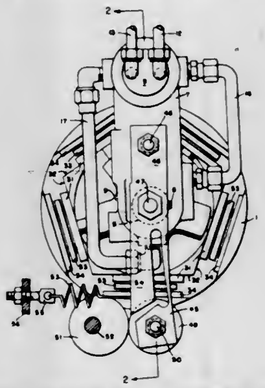
wherein R represents an alkyl radical containing from 1 to 3 carbon atoms, R′ represents a member selected from the group consisting of an alkyl radical containing from 1 to 3 carbon atoms, a hydrogen atom and a fluorine atom, and x represents a whole number of from 1 to 4.

2,585,231
ARTICLE HOLDER
James E. Dorsey, Las Vegas, Nev., assignor of ninety-five per cent to Maurice M. Gedance and five per cent to Joe Huffard, both of Las Vegas, Nev.
Application December 12, 1947, Serial No. 791,348
4 Claims. (Cl. 224—29)



1. A holder for water bags or the like adapted to be supported by the door or window frame of an automobile comprising a pair of parallel vertical supports, braces maintaining said supports in spaced apart relationship, an offset portion at the upper end of each of said vertical supports, means connecting the upper ends of said supports, and anchoring device carried by said connecting means for fitting within the window, a cross member secured to said offset portions in spaced relation to said connecting means, buffer means carried by said cross member for engaging the window frame thereby maintaining the offset portions above said window frame, additional buffer means carried by the lower end of each of said vertical supports for engaging the door of the automobile and a laterally extending arm secured to the vertical supports adjacent the offset portions thereof to which the water bag is attached whereby the bag will rest against the vertical supports.

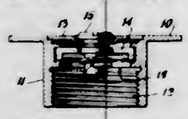
2,585,232
PRESSURE COMPENSATED PUMP
James K. Douglas, Shorewood, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 27, 1950, Serial No. 152,256
9 Claims. (Cl. 103—161)



1. A pump comprising an outer rotor rotatable in a vertical plane, a support for said rotor, a pintle extending into said outer rotor and provided with diametrically opposed intake and discharge ports and with axial passages communicating with said ports, the adjacent ends of said ports being separated from each other by unbroken portions of the peripheral surface of said pintle which constitute bridges to provide seals between said ports, an inner rotor journaled upon said pintle and provided with a plurality of equally spaced radial cylinders and with an equal number of cylinder ports each of which extends through the inner end wall of a cylinder to communicate with said pintle ports alternately as said inner rotor rotates, a support for said pintle, one of said supports being movable in respect to the other support to move one of said rotors between a position in which the axes of said rotors are coincident and the displacement of said pump is zero and a position in which the axes of said rotors are offset from each other and the displacement of said pump is maximum, a piston fitted in each of said cylinders and having the outer end thereof in engagement with said outer rotor, means for rotating one of said rotors, rotation of one rotor causing rotation of the other rotor due to engagement of said pistons with said outer rotor and also causing said pistons to reciprocate in said cylinders and to pump liquid when the axes of said rotors are offset from each

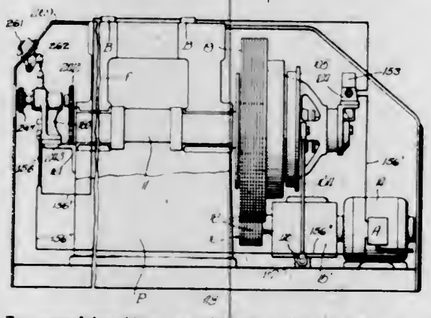
other, a control arm connected to one of said supports, a spring arm fixed to said control arm, an abutment carried by the free end of said spring arm, a control element normally engaging said abutment and adjustable to move said arm in a direction to increase pump displacement, and a spring to urge said movable support in the opposite direction and to hold said abutment in engagement with said control element, said pintle bridges being rotated through a small angular distance from the horizontal centerline of said pintle in a direction opposite to the direction of rotation of said rotors to thereby cause horizontal components of the pumping forces to urge said pintle toward its maximum displacement position.

2,585,233
CLOSURE FASTENING DEVICE
William Dzus, West Islip, N. Y.
Application March 7, 1947, Serial No. 733,018
2 Claims. (Cl. 220—40)



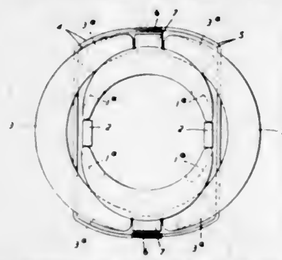
1. A closure assembly comprising: a tubular support formed with a keeper slot in the interior circumference thereof having an entrance way at one end and a positive stop adjacent the other end; a cover co-operable to releasably engage the tubular support so as to close the same and formed with a central aperture; a locking bar associated with the cover and being engageable with the keeper slot and being freely shiftable from the entrance way to the positive stop; a rotatable stud member formed with a spiral cam slot having a locking shoulder and extending through the aperture in the cover; and a spring member connected to the locking bar and having a portion extending through the spiral cam slot in the stud so that rotation of the stud causes shifting of the locking bar and whereby the locking bar is forced into stressed engagement with the keeper slot when said stud is rotated after the locking bar engages the positive stop.

2,585,234
CLUTCH CONTROL MECHANISM
Clarence M. Eason, Waukesha, Wis., assignor to Industrial Clutch Corporation, Waukesha, Wis., a corporation of Wisconsin
Application July 12, 1948, Serial No. 38,248
13 Claims. (Cl. 192—144)



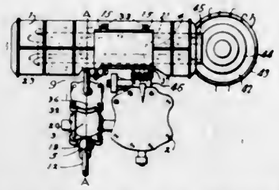
1. In combination, a clutch adapted for automatic one-cycle-stop operation, power means for effecting engagement or disengagement of said clutch, electrical means for controlling said power means including a switch, a rotary switch actuator operative to successively close and open said switch by step-by-step rotary movement of said switch actuator, a manually operated start control for causing stepping movement of said switch actuator into one position, and a clutch-driven manually responsive control for causing stepping movement of said switch actuator into another position.

2,585,235
SCANNING COILS FOR CATHODE-RAY TUBES
Charles Leslie Faudell, near Stoke Poges, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application July 26, 1949, Serial No. 106,819
In Great Britain July 28, 1948
8 Claims. (Cl. 313—76)



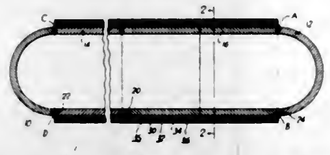
1. A coil assembly comprising pairs of relatively fixed saddle-type coils, a magnetic sheath surrounding said coils, said sheath consisting of a plurality of sections, said sections overlapping to provide regions of different permeances around said coils, and said sections being adjustable relatively to one another and to said coils to permit adjustment of the relative permeances of said regions and the positions of said regions relative to the coils.

2,585,236
VACUUM CONTROLLED AIR VENT
Paul H. Fitzgerald, Rockford, Ill., assignor of five-twelfths to Harold J. Stoner, Rockford, Ill.
Application April 6, 1950, Serial No. 154,354
14 Claims. (Cl. 123—119)



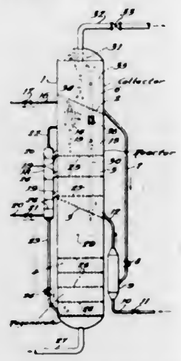
1. In combination with a carburetor and an intake manifold for an internal combustion engine to which combustible mixture is supplied by the carburetor, and an air cleaner connected with the air intake opening of said carburetor, the improvement which consists in the provision of a vent for the carburetor to allow escape through said vent of hot gases discharged through the carburetor from said intake manifold upon stoppage of the engine, a movable closure for said vent, and vacuum operated means in communication with said intake manifold so as to be subject to reduction of pressure therein and mechanically connected with said closure to close said vent upon starting of the engine and open the same upon stopping.

2,585,237
METHOD OF MAKING BANDED PRESSURE VESSELS
Cecil H. Gay, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application April 3, 1946, Serial No. 659,269
1 Claim. (Cl. 29—148.2)



A method of manufacturing multi-layer pressure vessels, the method comprising the forming of an inner cylindrical steel shell, positioning an incomplete and untightened circumscribing steel plate band over and around the shell with the ends of the band spaced from each other circumferentially of the shell, heating said positioned incomplete band to a predetermined degree throughout its area before the band is completed by joining its ends, said heating being accomplished by establishing relative rotation between the band and spaced heating zones, tightening the heated and untightened incomplete band around the shell before any substantially cooling of the band occurs, said heating and tightening of the band reducing the circumferential spacing of the band ends to a valve within seam welding range, welding together the band ends along the line of the longitudinal weld seam while the heated band is held tightened around the shell, cooling the band and thereby increasing its tension and its compressive effect upon the shell, and repeating the above specified band procedure in superposing successive bands over and around the first band.

2,585,238
METHOD AND APPARATUS FOR EFFECTING THE FLUIDIZED CATALYTIC CONVERSION OF A REACTANT STREAM
Clarence G. Gerhold, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 23, 1948, Serial No. 56,094
6 Claims. (Cl. 196—52)

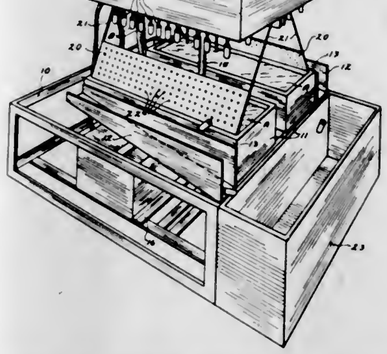


1. A method for contacting sub-divided solid particles in a fluidized conversion operation, which comprises, maintaining a lower contacting zone, an upper contacting zone, and a particle storage zone superimposed above the latter, introducing sub-divided particles and a reactant stream to the lower end of said lower zone and passing the two concurrently upward in a fluidized contact, subsequently passing contacted particles and the resulting gaseous stream concurrently together in a confined straight line path through said upper contacting zone to said particle storage zone, discharging resulting gases therefrom and withdrawing the contacted particles downwardly in a compact column to a point below the lower end of said upper contacting zone, commingling a different stream of fluid with said withdrawn particles and introducing the suspension to the lower end of said upper contacting zone, passing the suspension concurrently upwardly through the upper contacting zone in a fluidized contacting bed and discharging resulting products from the top of this zone while withdrawing contacted particles from the top of said fluidized bed and passing them downwardly in a relatively compact column to the lower end of said lower contacting zone, whereby they are commingled with first mentioned reactant stream.

2,585,239
AMINE SALT OF PENICILLIN
Alphonse P. Granatek, Syracuse, N. Y., assignor to Bristol Laboratories Inc., Syracuse, N. Y., a corporation of New York
No Drawing. Application December 28, 1949, Serial No. 135,521
2 Claims. (Cl. 260—239.1)

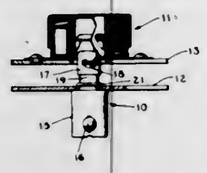
1. A salt of penicillin and N-pyridyl-N-p-chlorobenzyl-N'N'-dimethylethylenediamine.

2,585,240
ICE-MAKING MACHINE
Moris N. Grow, Minneapolis, Minn.
Application October 7, 1948, Serial No. 53,307
8 Claims. (Cl. 62—162)



1. In an ice making machine a container for holding water, a plurality of freezing members adapted to depend in the water, connections for supplying a refrigerant to said members to build up jackets of ice thereon, a mechanism for raising the freezing members out of the water and lowering them into the water along a common path, means for supplying a hot gas to the members for releasing the jackets, and a collecting mechanism including a plate member movable to an inclined position under the jackets when the freezing members are in the raised position.

2,585,241
FASTENER RECEPTACLE
Conrad J. Gunther, Hempstead, N. Y., assignor to Dzus Fastener Co., Inc., West Islip, N. Y., a corporation of New York
Application October 14, 1950, Serial No. 190,133
2 Claims. (Cl. 24—221)

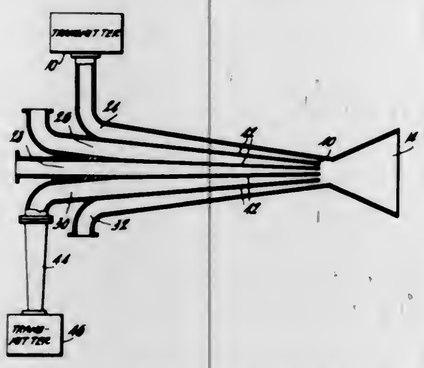


1. A fastener receptacle for use with a spiral cam fastener stud comprising a shell formed with diametrically opposite openings presenting cam surfaces extending outwardly at an angle, a locking bar extending across said shell and disposed in said openings in operative relation to said cam surfaces and shiftable with respect thereto, and spring means in operative relation to said locking bar for normally shifting it towards the outer end of the cam surface.

2,585,242
COMPOSITIONS COMPRISING ACRYLONITRILE POLYMERS AND ACYLATED HEXAHYDRO-S-TRIAZINES
Hugh J. Hagemeyer, Jr., and Howard N. Wright, Jr., Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 9, 1951, Serial No. 210,286
10 Claims. (Cl. 260—30.2)

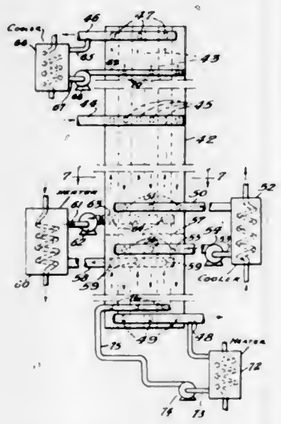
1. As a new composition of matter, a polymer of acrylonitrile containing in the polymer molecule at least 70 percent by weight of acrylonitrile, and a 1,3,5-triacylhexahydro-s-triazine, the acyl group of which is the acyl group of a saturated carboxylic acid containing from 1 to 4 carbon atoms.

2,585,243
PLURAL WAVE GUIDING SYSTEM
Clarence W. Hansell and Nils E. Lindenblad, Port Jefferson, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application October 2, 1948, Serial No. 52,454
13 Claims. (Cl. 250—33.63)



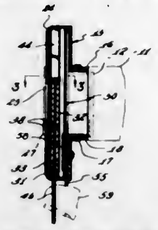
7. A high frequency waveguide system for energizing a common load element from a plurality of energy sources, including a plurality of waveguide sections running in contiguous relationship for a distance at least as great as a plurality of wavelengths at the operating frequency, means to couple an energy source to each of said waveguide sections at one end thereof, and means to couple said load element to all of said waveguide sections at the ends remote from said source coupling means, said waveguide sections having a long continuously widening slot in the contiguous walls thereof.

2,585,244
THERMAL DIFFUSION APPARATUS
Olaf M. Hanson, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 19, 1947, Serial No. 774,900
3 Claims. (Cl. 210—52.5)



2. A thermal diffusion apparatus comprising in combination an elongated separation chamber, a plurality of spaced screens extending longitudinally through said chamber, and forming therein a plurality of adjacent intercommunicating flow channels, inlet means for charging fluid to said chamber at a point intermediate its length, an outlet header at the upper end of said chamber connecting with a set of alternately spaced flow channels, an outlet header connecting with the lower end of said chamber and the remaining alternately spaced flow channels, imperforate partitioning means dividing said chamber into vertical superimposed sections, cooling means and heating means outside said chamber, header and conduit means for withdrawing fluid from above said partitioning means and from said remaining alternately spaced flow channels accommodating descending fluid flow and for passing said fluid to said cooling means, conduit and distribution means for returning cooled fluid from said cooling means to said chamber and to said remaining flow channels below said partitioning means, header and conduit means for withdrawing fluid from below said partitioning means and from said set of alternately spaced flow channels accommodating ascending fluid flow and for passing said fluid to said heating means, conduit means for returning heated fluid from said heating means to said chamber and the last-mentioned flow channels above said partitioning, and fluid circulating means in said conduits to force circulation of each stream between said superimposed sections.

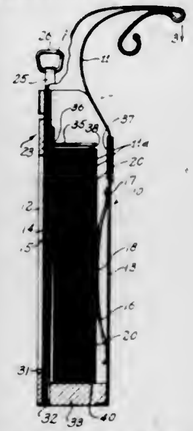
2,585,245
COLOR TEMPERATURE AND EXPOSURE METER
William H. Harrison, Los Angeles, Calif.
Application July 15, 1949, Serial No. 104,877
16 Claims. (Cl. 88—22.5)



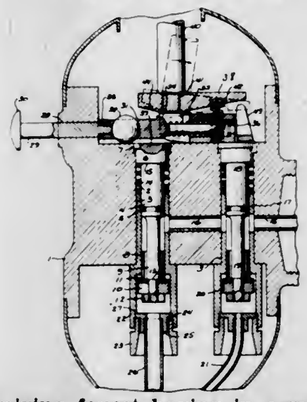
1. In an exposure meter of the class having a photoelectric cell connected to actuate an electric current indicator, an attachment for making color temperature measurements comprising: a frame having transverse rails formed therein to support a pair of light transmitting members in side-by-side relationship for independent parallel movement in the plane of said frame; a pair of differently colored optical wedges supported in said rails with their wedge axes in said plane, parallel to each other, and parallel to said tracks, each of said wedges being colored to transmit a predetermined relatively narrow spectral band of light, said bands being relatively widely separated in the visual spectrum and the dimensions along the wedge axis of each of said wedges being greater than the width of said cell; a base member having means to detachably secure the same to said meter adjacent said cell and tracks to slidably support said frame with the plane thereof substantially perpendicular to rays of light reaching said cell and for sliding movement of said frame in said plane between limits in which one or the other of said wedges overlies said cell and whereby said wedges may be independently moved along said rails to vary the average density of said wedge overlying said cell; a shutter disposed between said frame and cell, said shutter including a pair of blades disposed with their adjacent edges substantially perpendicular to said frame movement and mounted in said base for selective movement toward or away from each other whereby to reduce or increase respectively, the area of said cell exposed to light passing through said overlying wedge; an operating handle secured to said frame and adapted for digital pressure to move said frame to one limit of said movement thereof; and a rotatable operating member linked to said shutter blades to effect concurrent convergent or divergent movement of said blades when said member is rotated, said operating member being disposed behind the plane of said frame and in alignment with said handle thereof when said frame is in said last mentioned limit position whereby said operating member is readily accessible for operation when said frame is in said last mentioned position and difficult of access when said frame is in the other limit position.

2,585,246
PROTECTIVE MEANS TO PREVENT DOUBLE EXPOSURE OF FILM MAGAZINES
Arnold D. Hooks, Washington, D. C.
Application November 18, 1949, Serial No. 128,079
1 Claim. (Cl. 95—30)

In a magazine plate holder of the type in which each exposed plate of a pack of photographic plates housed in the magazine is elevated into a container by a foot on a reciprocated rod when said foot engages beneath the lower edge of the newly exposed plate, said plate being transferred to the rear of the pack, a non-sensitized plate of the same dimensions as the photographic plates disposed at the rear of the pack, a lug projecting laterally from the lower end of said plate which is shifted progressively forwardly by the transferred exposed plates until the non-sensitized plate has reached the front of the magazine, the bottom of the magazine having a pocket into which the foot moves for placing the foot below the lower edges of all of the plates, the lug being in line with the upper end of the pocket so that when the non-sensitized plate reaches the photographic position in the magazine, the lug will rest over the pocket and prevent operation of the foot for raising the plates.



2,585,247
MIXING FAUCET
James L. Hudson, Detroit, Mich., assignor to Kenneth Hudson Foundation, Inc., Detroit, Mich., a corporation of Michigan
Application July 28, 1949, Serial No. 107,295
11 Claims. (Cl. 277—20)



1. A mixing faucet having in combination, a body provided with a plurality of guideways running fore and aft and provided with valve chambers intersecting the guideways at substantially right angles and directed up and down, each chamber having a valve seat, valves, one located in each valve chamber and arranged to engage a valve seat, passageways for connecting sources

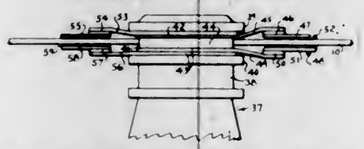
of liquid under pressure with the valve chambers, outlet passages connected with the valve chambers and controlled by said valves, each of the valves having fastened thereto an actuating head at its upper end, a plurality of slides and plungers slidable in said guideways in pairs, one slide and one plunger fastened together, each slide provided with a freely movable member catched in the slide and arranged to rest over the actuating head when the plunger and slide are pushed rearward, a lever handle fastened to an actuating plate which may be moved to actuate the movable member or members in the slides to thereby force the valve or valves downwardly to open one or more of the valve chambers and discharge one or more liquids when one or more plungers are rearwardly disposed at the time the actuating member is actuated.

2,585,248
LAMP SHADE FRAME HAVING A REMOVABLE COVER
Clair F. Johnson, Minneapolis, Minn.
Application October 17, 1946, Serial No. 703,908
10 Claims. (Cl. 240—108)



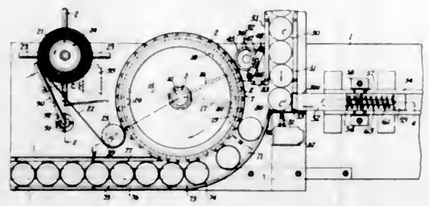
10. A lamp shade including an upper frame, a lower frame, and a pair of coverings connected therebetween, said frames each including a pair of ring-shaped elements in coaxial relationship with one ring element externally of the other, the marginal edges of said coverings being anchored intermediate the ring-shaped elements and the coverings being substantially reversely folded about the ring shaped elements to form inner and outer coverings for the shade.

2,585,249
CLIP FOR HOLDING ELECTRICAL CONDUCTING WIRES TO INSULATING SUPPORTS
Lawrence Johnson, Princeton, Minn.
Application November 15, 1948, Serial No. 60,148
1 Claim. (Cl. 24—81)



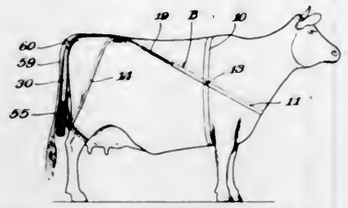
A clamp for attaching a line wire to an insulator, consisting of a single piece of spring wire which is bent at its center to engage the line wire at the center bend and on one side of the insulator, the free ends of the spring wire formed into opposing overlapping hooks which engage the line wire on the opposite side of the insulator, each portion of the spring wire between the center bend and the free ends having a central coil formed therein which is adapted to resiliently encircle the insulator and hold the line wire in contact with the insulator, each of said portions of the spring wire having an additional coil formed on either side of the central coil, said last named coils placing additional tension on the line wire on either side of the insulator to take up slack in the line wire.

2,585,250
MACHINE FOR APPLYING TAPE TO CYLINDRICAL CONTAINERS
John G. Jones and Lawrence A. Ulmschneider, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 24, 1950, Serial No. 163,898
8 Claims. (Cl. 216—21)



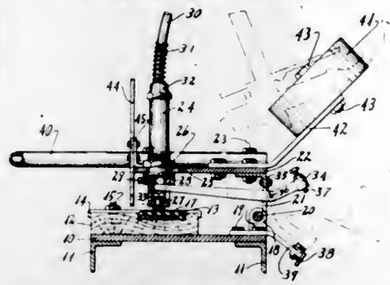
1. A machine for applying tape to cylindrical containers comprising a chute, an intermittent feed for moving containers one at a time from the chute, a drum having a flexible periphery, a power drive for the drum, interconnected with the intermittent feed for moving the containers a supply for tape having an adhesive side, a roller for rolling the tape tightly against the drum compressing the flexible periphery and with the adhesive side out, a vacuum chamber and a vacuum shield inside of the drum, spaced apertures in the flexible periphery of the drum for holding the tape thereon by vacuum with the flexible periphery held under compression by the tape, a reciprocating knife intergeared to the drum operable to cut off a length of tape, the compressed flexible periphery of the drum immediately expanding as the tape is cut to separate the severed ends thereof, the intermittent feed moving a container from the chute and into pressure contact with the severed end of the length of tape carried by the drum and in timed relation to the drum, an arcuate wall forming with the drum a curved path of less width than the diameter of the container whereby said container may be rolled by the drum to wind the severed tape thereon through the curved path, and an exit channel through which the containers may pass from the drum.

2,585,251
SANITARY BAG FOR ANIMALS
William G. Kahlert, St. Paul, Minn.
Application July 31, 1946, Serial No. 687,295
8 Claims. (Cl. 119—95)



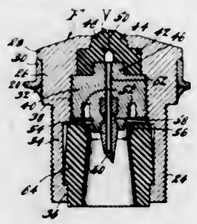
1. A sanitary apparatus for animals comprising an apertured frame, a harness for securing said frame to overlie the rear of the animal rearwardly of the thighs, said harness including U-shaped spring means extending over the body of the animal forwardly of the rear legs, to permit free movement of the animal, and a sanitary bag removably secured to said frame, said frame and bag having aligned apertures therethrough.

2,585,252
APPARATUS FOR PERFORATING DISTORTABLE MATERIAL
Paul L. Kline, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 31, 1946, Serial No. 673,401
2 Claims. (Cl. 164—86)



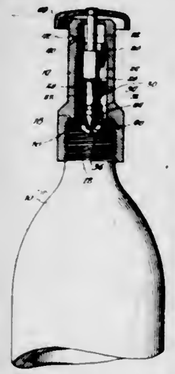
1. Apparatus for perforating a piece of rubber or the like stretchable material at a plurality of determinately spaced-apart positions along the piece, said apparatus comprising a support, a rest mounted on said support and having a supporting surface substantially conforming to a face of the piece of material to be perforated, guides adjustably mounted on said rest for positioning the material, a cushion mounted on the supporting surface of said rest, a structure pivotally mounted on said support for relative movement thereto, means for counter-balancing said structure, perforating members mounted on said structure, said perforating members comprising die mounts and detachable open-end dies mounted in said mounts, electrical means for heating said dies, means for moving said structure to press said dies against the piece of material on said rest to cause penetration of the material and partial penetration of said cushion and injection of the slugs into the dies, an insulating shield disposed between said dies and the moving means, means for ejecting the slugs from said dies, said ejecting means comprising elements slidably mounted in said dies, and means connecting said elements and said supports and mounted for swinging movement on said structure in response to relative movement of said support and said structure for advancing said elements to eject the slugs from said dies.

2,585,253
PIERCING PIN VALVE CONSTRUCTION
William B. Kochner, St. Louis, Mo., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application February 27, 1946, Serial No. 650,621
1 Claim. (Cl. 222—5)



In a piercing pin valve construction, a valve body, a valve element of rubber or the like therein having a flanged base and a dome-shaped projection therefrom, the central portion of said base having a recess therein, said valve element having a pierced opening from said recess to the top of said projection, a retainer for said valve element screwed into said valve body and stopped by shoulder within the valve body to place said flanged base under predetermined compression, said valve body having a socket terminating in an inwardly directed shoulder conforming to and confining said base and having a further shoulder conforming to and confining a substantial portion of the said dome-shaped projection.

2,585,254
SPRAYING DEVICE
William B. Kochner, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application February 21, 1949, Serial No. 77,529
1 Claim. (Cl. 299—95)

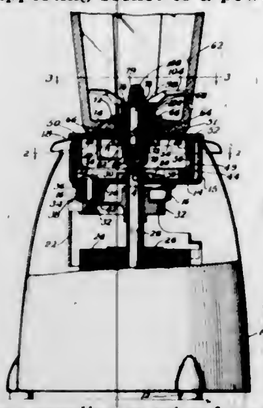


In a spraying device of the character disclosed, a cylindrical body member having an enlarged end provided with internal screw threads, a puncturable bulb having external screw threads for cooperation with said internal screw threads for connecting said body member to said bulb, a valve in said body member, a spring between said valve and said bulb to normally close said valve, a push knob, a stem connected therewith for operating said valve, said stem extending slidably through the outer end of said body member, and a piercing element carried by said stem for puncturing said bulb when said valve is moved beyond its open-valve position, said piercing element being exposed when said body member is disconnected from said bulb for puncturing action on another bulb subsequently screw connected with said spraying device, said body member having a discharge port beyond the valve mechanism therein and inward of said outer end of said body member.

2,585,255
MIXER
William B. Kochner and Donald F. McCarron, St. Louis, Mo., assignors to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application October 29, 1949, Serial No. 124,326
7 Claims. (Cl. 259—108)

1. A bowl unit comprising a bowl, an extension shaft rotatably carried thereby, a base member attached to said bowl, a sleeve for journalling said shaft, said sleeve extending through the bottom of said bowl, said base member being covered with rubber or the like having one portion be-

tween said base member and said bowl and another portion thereof being adapted for reception in a supporting socket of a power unit, said



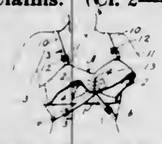
shaft having a coupling member for coaction with a companion coupling member on the shaft of a power unit.

2,585,256
CANOPY CONSTRUCTION
Samuel B. Korman and Meyer Harrison, Pittsburgh, Pa., assignors, by mesne assignments, to Koolvent Metal Awning Corporation of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 5, 1947, Serial No. 772,302
5 Claims. (Cl. 20—57.5)



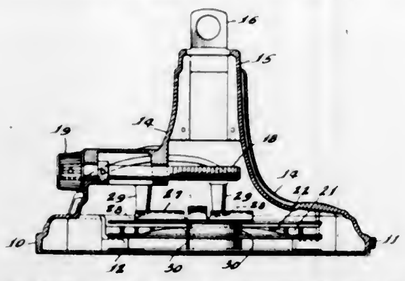
1. In a canopy construction, a pair of upwardly-converging frame members in a common plane adapted to be placed against the wall of a building, a third frame member at right angles to the first two and sloping downwardly and forwardly from the juncture of the first two, and curved quadrants at different levels connecting said third frame member with each of the first two, and upwardly converging, alternately-turned overlapping channel-shaped louvers secured to said quadrants.

2,585,257
HALTER AND BRASSIÈRE
Helen Lee, Los Angeles, Calif.
Application July 26, 1948, Serial No. 40,721
3 Claims. (Cl. 2—42)



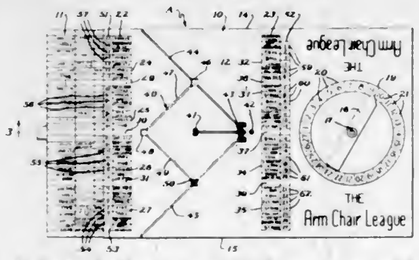
1. In an apparel article of the class described, in combination, a front center section, breast pockets united at their inner edges to said section, a cover member having a central portion and extending transversely across the pockets and attached at its central portion to the intermediate inner edges of said pockets, said cover member having at the central portion thereof, adjustable fastening means for connection with said center section, adjustable straps affixed at one end to the said outermost portions of the pockets and adapted to extend from said pockets at the back of the user around to the front, and detachable means connecting the other end of each of said straps to the said front center section.

2,585,258
BASE FOR MOTION-PICTURE PROJECTORS
Frank Lustig, Chicago, Ill., assignor to Revere Camera Company
Application February 20, 1950, Serial No. 145,193
4 Claims. (Cl. 312—20)



1. A base for a motion picture projector comprising a single casting open at the bottom, a closure for said bottom, one side of said casting having an entrance opening adapted to pass film reels to the casting interior, a pair of spaced stop members extending downwardly from the casting side opposite said entrance opening to position the film reels within said casting, the space within said casting being of a size to accommodate a plurality of superimposed film reels for storage purposes, and a horizontally disposed, curved leaf spring carried by said casting and positioned to apply a holding pressure to the upper of the superimposed film reels.

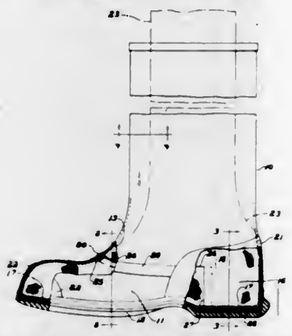
2,585,259
BASEBALL GAME BOARD WITH SLIDING PANEL
Berthold V. Marschke, Lucca, N. Dak.
Application November 24, 1948, Serial No. 61,885
4 Claims. (Cl. 273—93)



1. A base ball game including a game board having the representation of a base ball field thereon and having apertures therethrough adjacent the representation of first, second and third bases, said game board also having an elongated aperture therethrough extending substantially across the game board adjacent to the representation of the field, a slidable member supported for sliding movement beneath said game board in a direction transversely of said elongated aperture, said slidable member being visible through said apertures, a series of symbols on said game board spaced longitudinally of said elongated aperture, said slidable member being slidable through a series of positions, indicia on said slidable member visible through the aperture

adjacent the representation of first base in one of said positions to indicate a runner on first base, spaced legends on said slidable member, one legend being adjacent each of said symbols, visible through said elongated aperture in said one position and representing possible occurrences which may take place while a runner is on first base, indicia on said slidable member visible through said aperture near the representation of second base in a second position of said slidable member to indicate a runner on second base, a series of spaced legends on said slidable member visible through said elongated aperture in said second position of said slidable member and representing possible occurrences when a runner is on second base, one of said last named spaced legends being adjacent each of said symbols, indicia on said slidable member visible through the aperture near the representation of third base in a third position of said slidable member, a series of spaced legends on said slidable member visible through said elongated aperture in said third position, said last named spaced legends being adjacent to said spaced symbols, and representing possible occurrences when a man is on third base.

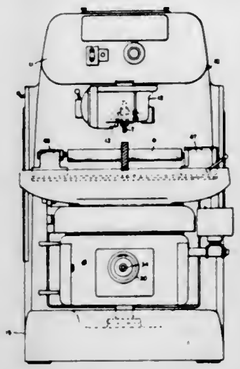
2,585,260
BOOT AND THE LIKE
Leo J. McGarry, Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 17, 1949, Serial No. 127,831
6 Claims. (Cl. 36—4)



1. An article of footwear comprising a sole member, a flexible upper member extending above ankle level and extending around the fore part of said article with its forward lower margin at about mid-instep level, said upper member being secured to said sole member only along a zone extending rearwardly from substantially the heel breast portion on each side of said article, and a form-retaining shell extending around the fore part of said article from the level of the sole to about mid-instep level, said shell having two generally parallel margins and being secured to said sole member along one of said margins and secured along the other of said margins to the lower margin of said upper member.

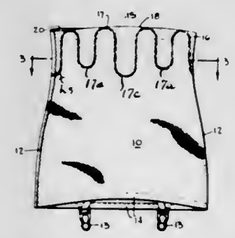
2,585,261
GEAR-FINISHING METHOD
Max B. Mentley, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application December 9, 1946, Serial No. 714,925
2 Claims. (Cl. 90—1.6)

1. The method of initially gauging and then finishing a series of gears by rotating them in mesh at crossed axes with a gear-like finishing tool which comprises providing a pair of supports for said gear and tool in definitely spaced relation representing a predetermined backlash between the tool and a gear of proper size for machining, one of said supports having a tool thereon, mounting a succession of gears on said other support, testing the gears for backlash, removing



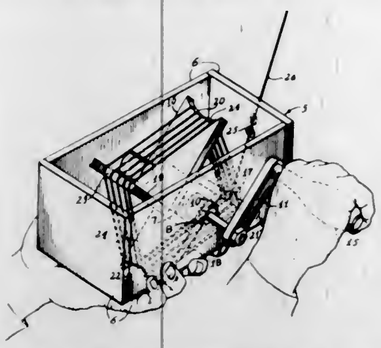
any gears which are dangerously oversize, effecting relative back-and-forth traverse between gears of proper size and the tool in a direction which occupies a plane parallel to the axes of said gear and tool, which direction is oblique to the axes of both gear and tool while rotating the gear and tool in mesh, and arresting said traverse with said supports in the relative position representing said predetermined backlash.

2,585,262
GIRDLE
Samuel T. Metz, New York, N. Y., assignor to Treo Co. Inc., Jamaica, N. Y., a corporation of New York
Application December 8, 1949, Serial No. 131,711
2 Claims. (Cl. 2—36)



1. A form-fitting girdle garment adapted for substantially-flat folding, and comprising a flexible, stretchable body, said body having a front portion, a rear portion, and areas of connection between said portions, a flexible sinuous wire having spaced legs joined by alternate top and bottom arcuate sections, said wire extending within and throughout the upper area of said body, overlay threads extending through the girdle body and over said wire, said wire being adapted for substantially-flat folding of the girdle and being restrained to said sinuous form by said overlay threads, the said top arcuate sections thereof being close to the top edge of said body and operative to prevent said waist portion from rolling down.

2,585,263
KITE STRING REEL
Franklin S. Miller, Elmwood Park, Ill.
Application June 29, 1946, Serial No. 680,462
1 Claim. (Cl. 242—101)



A kite string reel, comprising a four walled box structure, a square spindle provided with cylindrical trunnions journaled between opposite walls of the said box, string winder blades of rectangular formation and rigid construction fixedly secured each to a face on the said square spindle in transversal relationship therewith whereby one end of any blade is perpendicular to and in contact with an adjacent blade at a point intermediate the ends of said adjacent blade, the said winder blades being provided with arcuately formed recesses on their free edges adapted to retain a quantity of kite string and permit reeling up and paying out the same, handle means rigidly secured to one end of the said spindle, and obliquely positioned bushing means adapted to feed therethrough the kite string, the said bushing being secured to one of the remaining walls.

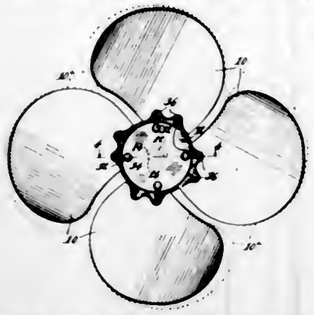
2,585,264
EYECUP ATTACHMENT FOR CONTAINERS
Henri L. Mock, Garfield Heights, Ohio
Application January 30, 1951, Serial No. 208,631
4 Claims. (Cl. 128—249)



1. An eyecup attachment of the character described comprising a cup-like member having a depending collar provided on its inner surface with screw threads, said collar having an inwardly extending flange adjacent its upper end defining a circular opening, and a second cup-like member disposed within said first member in spaced relation to the latter, said second member provided with spaced openings and having a thickened upper edge forming a shoulder which rests upon and is secured to the upper edge of said first member, and a closure adapted to rest on said second member and provided with a flange having a slide fit with said second member.

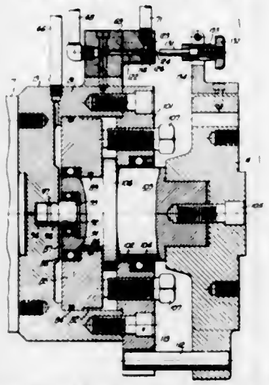
2,585,265
FAN BLADE STRUCTURE
George L. Moeller, St. Louis, Mo., assignor, by mesne assignments, to Knapp-Monarch Co., St. Louis, Mo., a corporation of Delaware
Application April 10, 1945, Serial No. 587,571
2 Claims. (Cl. 170—159)

1. In a fan blade structure, a plurality of blades integral with a central disc portion, said blades and disc portion being of non-metallic material, said blades being shaped to provide pitch for air delivery resulting from rotation of the structure, and a metallic hub for said fan blades having a plate-like portion, said central



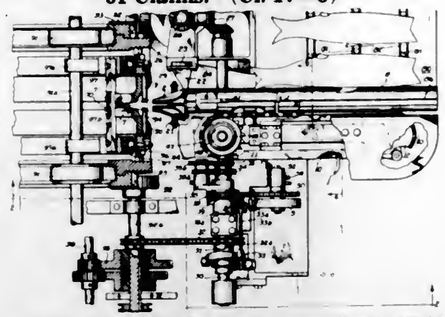
disc portion of said fan blade structure being connected to said plate-like portion, each blade at its innermost portion adjacent said disc portion being arcuate shaped in radial cross-section, and said inner-most portion having reinforcing corrugations extending radially outward from the periphery of said central disc portion.

2,585,266
PRESSURE WELDING MACHINE
Russell T. Murray, El Cerrito, and Florindo Viti, San Francisco, Calif., assignors to Grove Regulator Company, Oakland, Calif., a corporation of California
Application September 27, 1946, Serial No. 699,858
7 Claims. (Cl. 78—84)



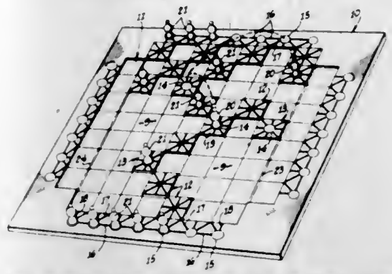
7. In a machine for butt pressure welding operations, hydraulic means adapted to apply force in response to supply of liquid under pressure to the same, relatively movable members providing a closed chamber interposed between the hydraulic means and the abutting metal parts to be welded, whereby force from the hydraulic means is transmitted through said members, said chamber being adapted to receive gas under pressure whereby for a given pressure of gas supplied said members transmit a given force to said metal parts for a substantially balanced condition between said members, means for supplying liquid under pressure to said hydraulic means, valve means serving to control the supply of liquid to said hydraulic means, and pneumatic means serving to control said last named means, said last named means including a control valve of the supply and waste type operated responsive to relative movements between said members.

2,585,267
CONVEYING APPARATUS FOR BEHEADED FISH
Norford L. Oates, Seattle, Wash., assignor to Smith Cannery Machines Company, Seattle, Wash., a corporation of Washington
Application February 2, 1948, Serial No. 5,817
31 Claims. (Cl. 17—3)



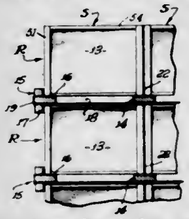
1. Mechanism for feeding successive individual beheaded fish of random length in regular phase relationship tailwardly from a deposit point to a pick-up point, after their deposit at regular time intervals at such deposit point by movement transversely of their length, while disposed at regular space intervals in side-by-side relation and with their neck cuts aligned and all at the same side, regardless of the length of the fish, and preparatory to their removal tailwardly at like time intervals and in the same phase relationship, after halting at the pick-up point, even though the fish so halted and removed be of minimum length, which mechanism comprises, in combination: guide means extending from the deposit point to the pick-up point; fish-supporting and guiding means extending between said two points, paralleling the first-mentioned guide means, and shaped to position and guide individual fish for tailward movement between such points; means at the pick-up point, in position to engage the tail portion of a tailwardly-advancing fish, and to halt further advance thereof; pusher means guided on said first-mentioned guide means for advance from the deposit point to the pick-up point, and projecting into the path of fish supported in said fish-supporting means, to engage and positively advance individual fish from the deposit point to the pick-up point; drive means movable in the regular phase relationship and operatively connected to said pusher means to advance the latter thus at a rate sufficiently rapid to clear each successive tailwardly-advancing fish from the deposit point before arrival there, in the regular phase relationship, of the following fish, even though the latter be of maximum length, and to deliver the pushed fish, even though it be of minimum length, to the pick-up point and the fish-halting means there in time to be halted and removed in the regular phase relationship, but to deliver and halt a longer fish there sooner in such regular phase relationship; and resiliently yieldable means operatively interconnecting said pusher means and said drive means, and normally retaining the pusher means in predetermined position relative to the drive means, but yieldable by reaction through the fish, upon earlier halting of the longer fish at the pick-up point, to retard advance of the pusher means relative to the drive means, said resiliently yieldable means being inherently automatically operable upon removal of the longer fish from the pick-up point to restore the retarded pusher means to its regular phase relationship to said drive means.

2,585,268
GAME BOARD AND MULTIPLE ELEMENTS THEREFOR
Paul Olsen, Los Angeles, Calif.
Application May 11, 1946, Serial No. 669,176
12 Claims. (Cl. 273—131)



1. In apparatus for board games, the combination of: a plurality of identically shaped polygonal tile-like pieces having straight edges adapted to be placed in contiguous relationship with each other to form a continuous playing surface, said tile-like pieces each having surface markings thereon including lines extending substantially thereacross to cooperate to form a play-guiding pattern on said playing surface; movable upstanding playing pieces adapted to be moved about on said playing surface in conformity with said pattern; and board means having a recessed area formed therein to receive said contiguously placed tile pieces, whereby to define limits to said playing surface, said recessed area having markings thereon whereby to guide the placement of said tile pieces.

2,585,269
BOXED PRODUCE CARLOADING
Harold C. Pierce, Pomona, Calif.
Application October 23, 1945, Serial No. 624,008
17 Claims. (Cl. 105—367)



1. A boxed produce load for refrigerator cars comprising boxes arranged bottom down in vertical stacks and alined in stacked rows running transversely and longitudinally of the car, the longitudinal walls of the boxes in adjacent longitudinal rows being in engagement and said walls being closed and in substantially continuous vertical sequence in each stack, and means inserted between and spacing apart the transverse rows to provide for air circulation therebetween, there being air spaces between the vertically successive transverse sides in each stack exposed to the air circulation space between said transverse rows.

2,585,270
ADJUSTABLE JET NOZZLE FOR AIRCRAFT PROPULSION
Robert Plath, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application March 12, 1945, Serial No. 582,257
9 Claims. (Cl. 60—35.6)

3. An aircraft propulsion jet comprising an inner cylindrical shell communicating internally

with the aircraft jet-motor combustion chamber and forming a substantially continuous duct tapered at its exhaust end to define an inner jet orifice at such end, the tapered end portion of said inner shell having a discharge aperture therein by passing said inner jet orifice, spaced



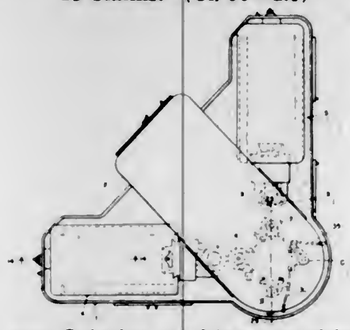
from its exhaust end, and an outer cylindrical shell closely encircling said inner shell and having a rearward end portion tapered rearwardly to define an outer jet orifice duct encircling said inner orifice duct and communicating therewith through said aperture.

2,585,271

GEAR FINISHING MACHINE

Walter S. Praeg, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan

Application April 15, 1946, Serial No. 662,280
15 Claims. (Cl. 90—1.6)



1. A gear finishing machine comprising a finishing tool, a turret, a plurality of gear holding means angularly spaced from each other on said turret, means for indexing said turret to successively position the gears for engagement by said tool, means for locating the gear positioned for engagement by said tool in a predetermined angular position to accurately locate a space between adjacent teeth of the gear with respect to said tool, and means operated by said gear locating means for controlling the operation of said turret indexing means.

8. A gear finishing machine comprising a rotary tool support for mounting a rotary gear-like tool, a rotary work support comprising releasable means for engaging a work gear, a motor for rotating one of said supports, locating means for each of said supports effective to position a tool and gear carried by said supports with their teeth in position to mesh, means for effecting relative radial movement between said supports to bring the tool and gear into mesh, and means responsive to meshing of the gear and tool to release said locating means for rotation of said supports.

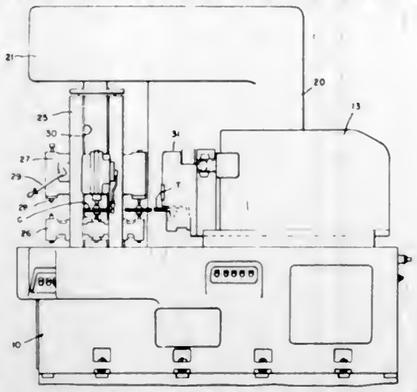
2,585,272

AUTOMATIC GEAR FINISHING MACHINE

Walter S. Praeg, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan

Application February 3, 1947, Serial No. 726,119
7 Claims. (Cl. 90—1.6)

1. In a gear finishing machine, a rotary work supported for a gear, a rotary tool support for a gear-like cutter, means for effecting relative travel between said supports substantially radially of one of said supports to mesh a gear and tool carried thereby, tool locator means for locating said tool in rotation on said tool support, gear locator means for locating said gear on said work support in rotation relative to the location of said tool so as to permit full meshing of said gear and tool upon said relative travel, first



motor means for effecting said travel, second motor means for rotating said tool support, said gear locator means including a tapered element movable into a tooth space of said gear and effective to sense an oversize gear, control means operable by said gear locator to prevent operation of said first motor means if said gear is oversize, and locator release means effective to release both said tool and gear locator means operable by completion of said relative travel.

2,585,273

REARVIEW MIRROR

Paul E. Prutzman, South Gate, Calif.

Application January 26, 1950, Serial No. 140,669
6 Claims. (Cl. 219—19)



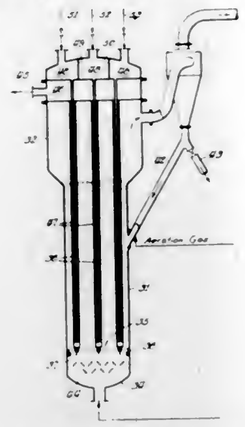
1. A rear view mirror assembly consisting essentially of an elongated, trough-shaped casing member having end plates, said casing member being generally curvilinear in cross-section; internal, mirror-supporting projections from said casing and end plates; a mirror resting on said projections and spaced thereby from the bottom of said trough; a retaining ring of L-section covering the rim of said mirror and overlapping the adjacent edges of said trough, said ring being attached to said trough by screws passed through the mating portions of said ring and trough in planes parallel to the plane of said mirror.

2,585,274

CATALYTIC REACTOR

Eric H. Reichl, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application December 22, 1944, Serial No. 569,413
1 Claim. (Cl. 23—288)



An apparatus comprising a vertically elongated vessel having an upper portion of enlarged cross-section comprising a catalyst separation chamber, a reaction chamber below said catalyst separation chamber, a plurality of separately controllable cooling units vertically suspended within said vessel and extending through both said catalyst separation chamber and said reaction chamber, each of said cooling units comprising an outer tube closed at the lower end communicating at the top with a first manifold and a smaller tube within said outer tube and substantially coextensive therewith, open at the lower end, the upper end of said inner tube communicating with a second manifold, partitions in said second manifold defining sub-manifolds, separate valved inlet means for each of said sub-manifolds, a grid means extending across substantially the entire cross-sectional area of said reaction chamber below said cooling units, a mounting for said grid permitting longitudinal movement thereof within said vessel, means for anchoring the lower end of said outer tube to said grid, a gas inlet means in a lower portion of said vessel below said grid, a distributing chamber between said gas inlet means and said grid, an outlet from the catalyst separation chamber, said outlet communicating with an exterior solids separation means, means for withdrawing gases separately from said separation means and a conduit means extending between said separation means and said reaction chamber for returning separated solids to said reaction chamber.

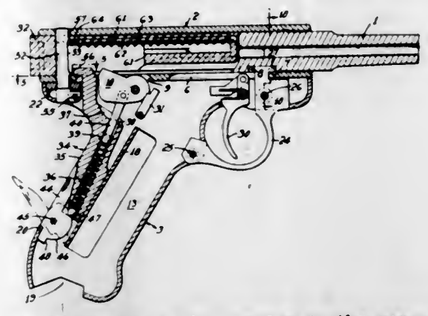
2,585,275

RECEIVER AND GRIP CONNECTION FOR AUTOLOADING PISTOLS

William B. Ruger, Easton, Conn., assignor to Sturm, Ruger and Company, Inc., Southport, Conn., a corporation of Connecticut

Application August 10, 1949, Serial No. 109,491
7 Claims. (Cl. 42—75)

1. In an autoloading pistol having a barrel attached to a receiver and a grip member with means for mounting the hammer, trigger and magazine therein, the improvement which comprises means for removably attaching the front end of the grip member to the receiver including a lip on the receiver which engages a lug on the grip member, and means for removably attaching



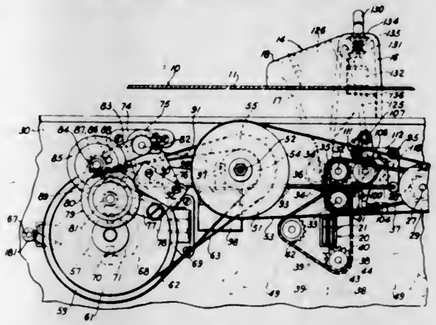
the rear end of the grip member to the rear end of the receiver which applies a constant resilient pressure preventing looseness therebetween.

2,585,276

CONTROL SYSTEM FOR PHOTOGRAPHIC DOCUMENT COPYING MACHINES

Alvin E. Schubert and John F. Egan, Rochester, N. Y., and Roy S. Hopkins, deceased, late of Rochester, N. Y., by Lincoln Rochester Trust Company, executor, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

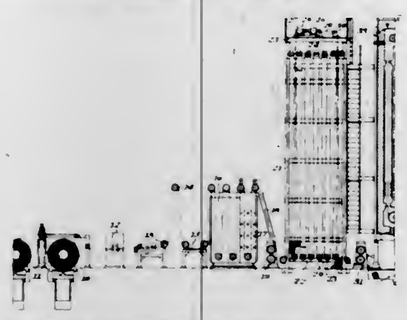
Application December 20, 1947, Serial No. 792,880
28 Claims. (Cl. 88—24)



1. In an apparatus for photographically copying documents, the combination with a casing having a cover movable to an open and a closed position, a feeding station for the document, a photographing station in said casing for the document including document guide members, a drive means for moving the document from said feeding station past said guide members, an exposure station, reflecting means adjacent said photographing station for directing the reflected document images into said exposure station, a camera adapted to support a light-sensitive material in said exposure station, and a second drive means operatively connected to said first-mentioned drive means for moving said light-sensitive material in synchronism with the document, of a control means operatively connected to and movable by said second drive means from an inoperative position to an operative position for automatic shut-down of said drive means after a predetermined interval has elapsed between documents inserted in said feeding station, an actuating means operated by a document moving into said photographing station and operatively connected to said control means for resetting said control means to said inoperative position before the predetermined interval

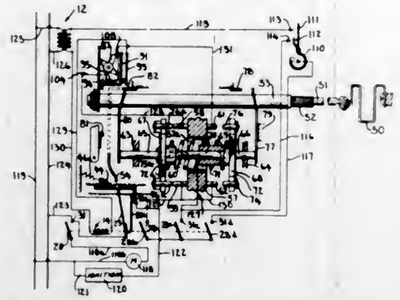
has elapsed, a drive operating circuit including a start switch, a reset solenoid, and a motor, a control circuit including a holding solenoid and a holding switch, said holding solenoid and said reset solenoid being energized by the closing of said start switch to respectively close said holding switch to maintain said drive operating circuit closed and to reset said control means to said inoperative position after the predetermined interval has elapsed, an auxiliary drive means operatively connected to said camera and adapted to move a predetermined length of said material past said exposure station, an auxiliary drive circuit including a motor, a normally-closed switch and one pole of a double-pole switch in series-parallel circuit with said motor, a cover switch connected through the other pole of said double-pole switch to said drive operating circuit and said control circuit, connected to said auxiliary drive circuit and adapted upon movement of said cover to the open or closed position to close said auxiliary drive circuit for moving said material, and means associated with said auxiliary drive means and adapted when the cover is moved to the open position to close said other pole of said double-pole switch in said auxiliary drive circuit to render said drive operating circuit and said control circuit inoperative and to open said normally-closed switch at the end of said predetermined length of material to render said auxiliary drive circuit inoperative and when said cover is moved to the closed position to permit said normally-closed switch to close and to close said one pole of said double-pole switch at the end of said predetermined length of material to render said auxiliary drive circuit inoperative and to render said drive operating circuit and said control circuit operative.

2,585,277
APPARATUS FOR ANNEALING STRIP
Edward J. Seabold, Baltimore, Md., assignor to Drever Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 27, 1946, Serial No. 679,686
7 Claims. (Cl. 266—3)



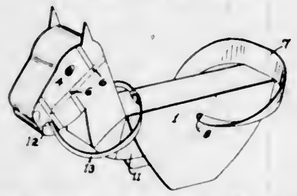
1. In strip annealing apparatus, in combination, a heating furnace for heating strip in strand form, said furnace having an outlet for said strand, a movable enclosure adapted to be moved into registry with said outlet, means for coiling said strand within said enclosure, a cooling tower adapted to cool strip in strand form having an inlet for said strand, means for moving said movable enclosure along a closed track circuit after a strand has been coiled therein out of registry with said furnace outlet and into registry with said tower inlet, means for uncoiling said coil in said enclosure and passing it through said inlet to cool said strand and means for returning said movable closure into registry with said furnace outlet, whereby rapid heating, temperature holding and relatively rapid cooling are obtained.

2,585,278
FUEL BURNER CONTROLLER
Paul F. Shivers, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 22, 1948, Serial No. 55,962
13 Claims. (Cl. 175—375)



1. A circuit controlling device comprising a relay, a first relay operated switch, a second relay actuated switch, a latch biased to move and to hold said second switch in its open position and having an abutment thereon, an arm on said relay normally in alignment with said abutment for moving said latch away from said second switch upon actuation of said relay in a switch closing direction, a deflector means positioned to contact and disengage said arm from said abutment to permit said latch to open said second switch from its closed position, condition responsive slip friction means for actuating said deflector, a normally closed third switch in series with said relay for deenergizing said relay upon a predetermined condition arising, a stop positioned to limit the movement of said deflector means in its arm actuating direction and a manually operable member for simultaneously resetting said third switch and actuating said slip friction means in a direction to press said deflector means against said stop.

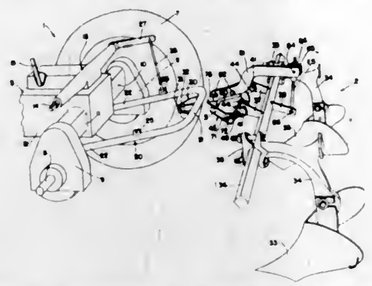
2,585,279
KNEE PONY
Kenneth E. Sickelbower, Russell, Kans.
Application February 12, 1948, Serial No. 7,921
4 Claims. (Cl. 272—1)



1. A knee pony made of flexible material creased and folded into the representation of a pony comprising a section including a pair of side body members, a pair of head and neck members, and a centrally disposed strip member connecting and spacing said side body members and head and neck members and adapted to extend from the rear of said side body members forward to form a seat and on up the back of the neck and over the head and nose and down the front of the neck to hold and support the head and neck members, an auxiliary neck and head supporting

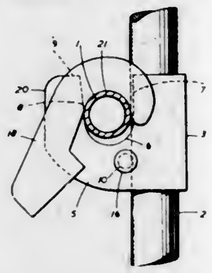
member secured to the sides of the said side body members and attached to the under portion of the neck adjacent the side body members to hold and support the head and neck in normal positions.

2,585,280
PLOW
Walter H. Silver, Moline, Ill., and William V. Lohrman, Davenport, Iowa, assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Continuation of application Serial No. 568,086, December 14, 1944. This application December 29, 1949, Serial No. 135,643
11 Claims. (Cl. 97—47)



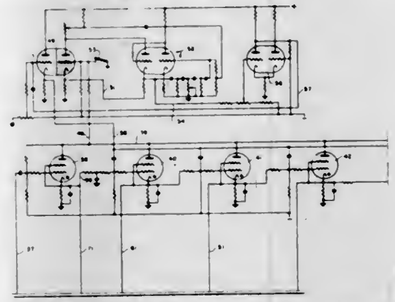
2. In an agricultural implement, an attaching member comprising a plate bent to form a U-shaped part having upper and lower spaced apart sections, rearwardly extending lugs carried by the rear portion of said attaching member, and an attaching flange carried centrally by the upper portion of said plate member.

2,585,281
SCAFFOLDING
Henry John Prowse Skinner, London, England, assignor to International Constructions Corporation Limited, Nassau, Bahamas
Application April 15, 1946, Serial No. 662,235
In Great Britain February 26, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 26, 1965
5 Claims. (Cl. 287—54)



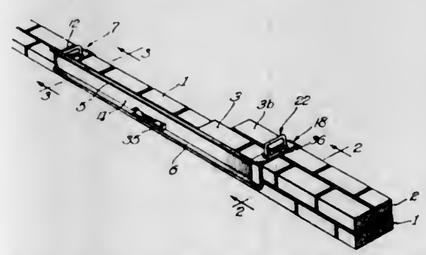
1. A device for connecting a ledger to a standard, said device comprising a U-shaped member capable of fitting closely around said standard, said U-shaped member having a pair of upturned extremities each provided with an edge inclined toward the vertical, said inclined edges and said channel forming a wedge-shaped channel for said ledger which at the top is wider and at the bottom narrower than said ledger, thereby insuring the existence of a clearance between the bottom of said channel and said ledger when the latter is received by said channel, a forked member having a pair of limbs and a connecting portion therefor, and a pair of hooks located one at the free end of each of said limbs, said connecting portion being adapted to engage with the underside of said U-shaped member after the said hooks have been engaged with said ledger when the latter is received by said channel, thereby clamping said ledger between said hooks and said inclined edges.

2,585,282
ELECTRONIC MULTIPLEX TO START-STOP EXTENSOR
Ransom D. Slayton, Lombard, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 24, 1950, Serial No. 170,173
6 Claims. (Cl. 178—2)



1. In a multiplex to start-stop converter in combination with a multiplex receiver, a start-stop distributor, a start-stop oscillator for operating said distributor, a plurality of tubes each of which is assigned to one of the components of a multi-component code signal received from said multiplex receiver, a plurality of condensers each of which is controlled by one of said tubes, a plurality of secondary tubes controlled by said condensers for storing the signal condition, means jointly responsive to the storage of a signal in said secondary tubes and to said multiplex receiver for releasing said oscillator for operation, and means controlled by said secondary tubes and said distributor for retransmitting the received signals.

2,585,283
MEANS FOR FACILITATING THE LAYING OF MASONRY UNITS
Paul H. Sommers, Montgomery, Ala.
Application May 13, 1949, Serial No. 93,078
14 Claims. (Cl. 33—85)



2. In a device for facilitating the laying of masonry units into a wall, comprising the combination of an oblong face plate having a flat working face of a width in excess of the masonry units being laid, the upper edge of said plate being straight and adapted to be disposed horizontally in order to form a guide for the upper edges of

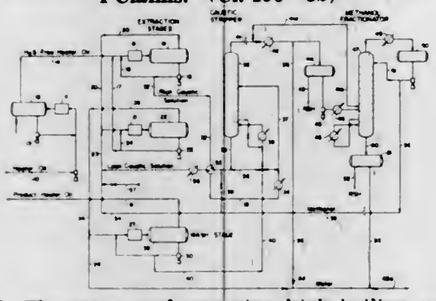
the units to be laid in a course, a first transverse reach member connected to the plate adjacent one end thereof and having a supporting surface disposed horizontally substantially at the level of said upper edge of the plate, and a second transverse reach member attached adjacent the other end of the plate and having a supporting surface disposed horizontally substantially at a level below the top edge of the plate by the thickness of a course of masonry units to be laid, and holding means carried at the inner ends of said reaches and engaging on the inside surface of the wall for retaining the device in working position.

2,585,284

MERCAPTAN EXTRACTION

Theodore B. Tom, Hammond, Ind., and John A. Bolt, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application August 7, 1948, Serial No. 43,093
4 Claims. (Cl. 196—32)



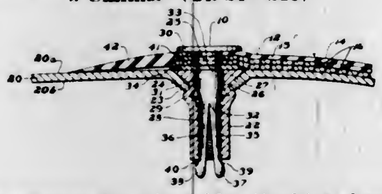
1. The process of removing high boiling mercaptans from a petroleum distillate boiling in the range of about 350° F. to about 600° F. which process comprises intimately contacting said distillate with a treating agent consisting essentially of water, alkali metal hydroxide, methanol and an alkali metal salt of an alkoxyalkylcarboxylic acid having about 4 to 8 carbon atoms per molecule, the amounts of water and alkali metal hydroxide being such as to give an aqueous alkali metal hydroxide solution containing about 40 to 55 weight per cent alkali metal hydroxide, the amount of methanol being in the range of about 30 to 50 volumes of methanol per 100 volumes of the aqueous alkali metal hydroxide solution and the amount of alkali metal salt of alkoxyalkylcarboxylic acid being in the range of about 5 to 35 weight per cent based on total treating agent.

2,585,285

SEPARABLE FASTENING APPARATUS FOR STRUCTURE WALL ATTACHMENTS

William R. Tonge and Ray H. Gill, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application August 18, 1948, Serial No. 44,946
3 Claims. (Cl. 24—213)



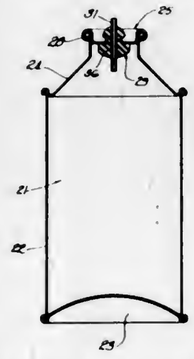
1. A fastener for releasably attaching sheet material to apertured work by operation from one side only of the work, said fastener comprising a member for mounting in the aperture and having a bore therein and including means for securing the member to the work, a headed retaining pin comprising a shank having an annular groove therein spaced-apart from the head of said pin, and a split ring for seating in said groove to clamp the sheet material between said head and said ring, said shank being of divided form comprising spaced-apart elements of spring material which in their unstressed condition are of an overall width greater than said bore for outward springing into engagement with said member when said shank is forced into said bore from said side of the work with the sheet material clamped between said head and said ring.

2,585,286

RESILIENT VALVE IN RIGID WALL PORTIONS OF CONTAINERS

Irl I. Tubbs, Mount Vernon, Iowa, assignor to Margaret L. Tubbs, trustee, Mount Vernon, Iowa

Application May 2, 1949, Serial No. 90,898
4 Claims. (Cl. 222—490)



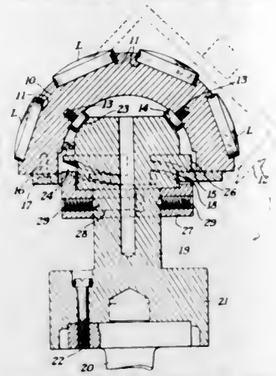
1. In combination in a can, a metal wall thereof having a metal tubular flange providing a passage therethrough for communication with the inside and outside of said can, a rubber valve body member having a valve port therethrough and having a diameter greater than that of said passage when unrestricted therein, said metal tubular flange constituting a valve casing carrying and circumferentially constricting said body member in said passage, preventing circumferential expansion of the circumferentially constricted body member in said passage, and permitting elastic elongation of said circumferentially constricted body member upon the application thereto of a force transversely thereof, said body member, when circumferentially constricted in said passage, providing a transverse centripetal elastic force yieldably holding said valve port closed and sealing said passage and the rubber of said circumferentially constricted body member being yieldable upon the application thereto of a transverse centrifugal force within said valve port to permit opening thereof, a mounting member integral with an end of said body member and having a port therethrough communicating at one end with the adjacent end of said valve port, and another mounting member integral with the opposite end of said body member and having a port therethrough communicating at one end with the adjacent end of said valve port and providing access thereto for opening the same, said mounting members being of greater diameter than said body member before constriction thereof in said valve casing, outside and at the opposite ends of said passage, respectively, and engageable with the opposite ends of said valve casing to prevent removal of said body member from said valve casing.

2,585,287

APPARATUS FOR CHUCKING BLOCKS OF LENSES ON GENERATING MACHINES

John R. Turner and Joseph A. Pellman, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 13, 1949, Serial No. 70,694
10 Claims. (Cl. 51—216)



1. An apparatus for holding a plurality of lens blanks on the spindle of a generating machine for the generation of a given curve on one face of each blank and comprising in combination a blocking member having a spherical blocking surface on which a plurality of lens blanks are adapted to be fixed to have a given curve generated on the exposed surface of each, a chuck member adapted to be connected to the spindle of a generating machine in such a way that its longitudinal axis is parallel to that of said spindle, means for detachably connecting said blocking member on said chuck member with the longitudinal axis of the chuck member passing through the center of curvature of said spherical blocking surface and including male and female portions on opposite ones of said members, cooperable latch elements on said male and female portions positively connecting said members together and arranged to draw said two members together in an axial direction upon relative rotation thereof, and rigid locating surfaces on opposite ones of said members brought into engagement with each other through a wiping action by the coaction of said latch elements and defining the axial relation of said two members when connected together, one of said locating surfaces being a spherical surface whose center lies on a line substantially coincident with the longitudinal axis of the chuck member and having a curvature which is concentric to the curve to be generated on the lens blank.

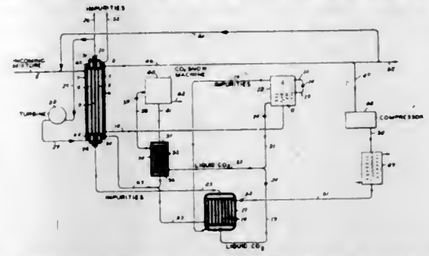
2,585,288

RECOVERY OF CARBON DIOXIDE

Claude C. Van Nuys, Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application October 2, 1947, Serial No. 777,542
9 Claims. (Cl. 62—175.5)

1. The method of separating carbon dioxide from gaseous mixtures containing more volatile gaseous impurities which comprises compressing and cooling the gaseous mixture, initially expanding the gaseous mixture to provide a gaseous phase containing all of the impurities and a liquid phase consisting of the carbon dioxide, and subjecting the gaseous phase to selective condensation to separate a liquid consisting of carbon dioxide from the gaseous impurities.

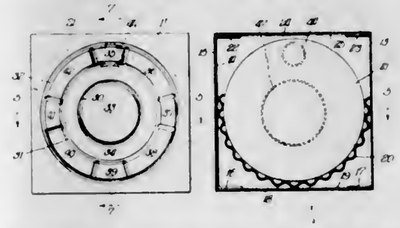


2,585,289

CHEMICAL CONTAINER AND PACKAGE

Stanley Wallace, Des Plaines, Ill.

Application October 22, 1945, Serial No. 623,771
8 Claims. (Cl. 21—109)



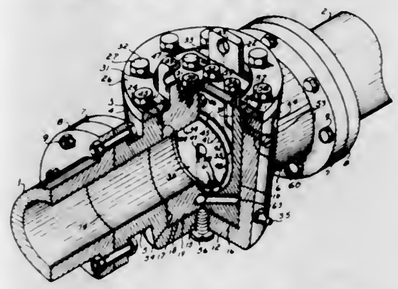
1. A chemical package comprising a boxlike container for holding a volatilizable chemical material, pre-punched depressions formed in the front and rear walls of said container, said depressions forming inwardly projecting ridges for engagement with said chemical material so as to space such material from the inside of said front and rear container walls and also defining in said front and rear walls removable knockout portions of variable dimensions to provide upon selective removal thereof openings of variable size for selectively exposing variable areas of said chemical material to the outside atmosphere.

2,585,290

ORIFICE PLATE FITTING

Arthur W. Walker, Tulsa, Okla., assignor of one-fifth to Harold M. Northcutt, Tulsa, Okla.

Application December 27, 1948, Serial No. 67,521
4 Claims. (Cl. 73—211)



1. An orifice fitting comprising, a housing having a flow channel therethrough and a conical

chamber in communication with the flow channel, a valve member seated in and rotatable in said chamber and having a through passage registrable with the housing flow channel and of even diameter therewith, a plate having an orifice therein mounted in the through passage of the valve member, an annular ring on the plate and substantially engaging the valve member around the through passage, a resilient ring sleeved on the annular ring and expandable responsive to fluid pressure for sealingly engaging the plate and valve member around the through passage for preventing escape of fluid around said orifice plate, the valve member having a slot providing access to the plate for removal thereof longitudinally of the valve member, adjustable means mounted in said housing and engageable with said valve member for accurately determining alignment of the orifice with the flow channel, and means for rotating the valve member for moving the through passage thereof out of registry with the flow channel and sealing the orifice plate from said flow channel.

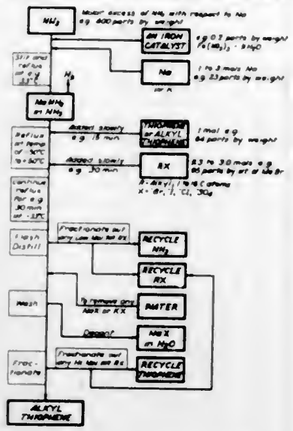
2,585,291
DEVICE FOR FORMING SOUND RECORDS
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 2, 1946, Serial No. 680,929
4 Claims. (Cl. 274—3)



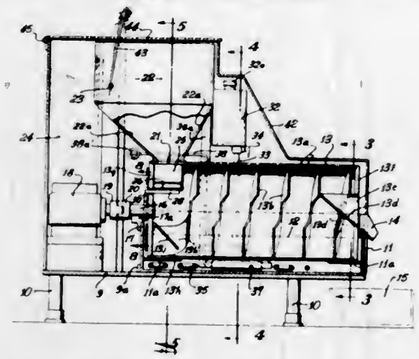
1. A device for forming a sound-reproducing record comprising, in combination, a strip of photographic film arranged in the form of a loop and having formed thereon a continuous unbroken sound track, a turntable, an annular rim on said turntable for supporting said loop with the record thereof overhanging said rim, a member positioned on said turntable, said turntable being rotatable to move said strip and member in unison, and means for scanning said track and to direct the scanned image toward said member for progressively reproducing the track on said strip in the form of a continuous unbroken image circle on said member.

2,585,292
PREPARATION OF ALKYL THIOPHENES
Wilford J. Zimmerschied, Hammond, Ind., and Robert C. Arnold, Park Forest, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 17, 1950, Serial No. 179,966
5 Claims. (Cl. 260—329)

1. A process of preparing an alpha alkyl thiophene comprising adding an elemental alkali metal to a molar excess of liquid ammonia, adding to the said liquid ammonia and alkali metal an iron catalyst, effecting reaction between the ammona and alkali metal in the presence of the said catalyst to form an alkali-metal amide, adding to the liquid ammonia containing the soformed alkali-metal amide a compound selected from the group consisting of thiophene and alkyl homologs thereof having at least one unsubstituted alpha carbon atom, introducing an alkylating agent into the admixture, the said agent having an alkyl radical of at most 16 carbon atoms and being selected from the group consisting of alkyl iodide, alkyl bromide, alkyl chloride and alkyl sulfate, maintaining the liquid ammonia and admixed components at a temperature between about −50° and +50° C. to effect reaction therebetween, and recovering an alpha alkyl thiophene from the reaction mixture.

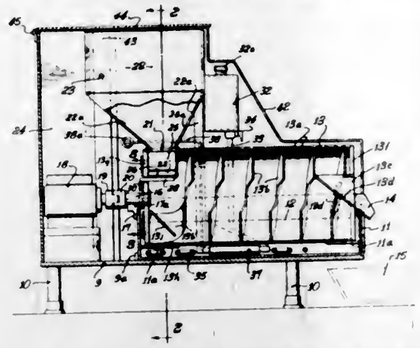


2,585,293
APPARATUS FOR CONTINUOUS COOKING
George Ashton, Los Angeles, Calif.
Application April 25, 1949, Serial No. 89,490
1 Claim. (Cl. 99—404)



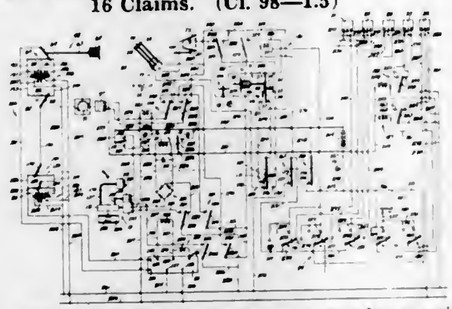
In cooking apparatus, in combination, a container for a body of cooking fluid, means for heating said fluid and maintaining it at cooking temperature, a hollow member rotatably mounted over said container and extending therewithin to be partly immersed in the cooking fluid, means for rotating said member, a hopper for material to be cooked, said hopper having an open end adjacent to and closed by the wall of said member, said member having an opening arranged to register with said open end, a measuring cup within said member to receive a batch of material from said hopper on each revolution of said member, a hinged bottom plate in said cup, a cam holding said hinged plate in closed position while said cup is being filled and until said opening is out of register with said hopper, said hinged plate being movable by gravity to discharge material from said cup into said member, means for moving the material discharged from said measuring cup within said member while the material is subjected to the cooking action of said fluid, and means for discharging the cooked material from said member.

2,585,294
BATCH FEEDING APPARATUS
George Ashton, Los Angeles, Calif.
Original application April 25, 1949, Serial No. 89,490. Divided and this application December 26, 1950, Serial No. 202,661
5 Claims. (Cl. 198—53)



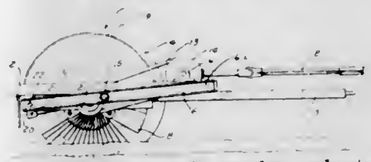
1. In a batch feeding apparatus, the combination comprising: a hopper for holding a quantity of material to be fed and having a discharge opening at its lower end; a hollow cylinder rotatably mounted beneath the hopper closely adjacent thereto, the wall of the cylinder closing the discharge opening of the hopper to material flow and having an inlet opening adapted to permit material to flow from the hopper into the cylinder by gravity when in registration with the hopper discharge opening; and means at the bottom of the hopper wall at one side of the discharge opening for preventing crushing of material between the cylinder wall and the hopper wall as the trailing edge of the inlet opening cuts off flow of material through the discharge opening.

2,585,295
CONTROL APPARATUS
Albert E. Baak, Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 24, 1946, Serial No. 705,261
16 Claims. (Cl. 98—1.5)



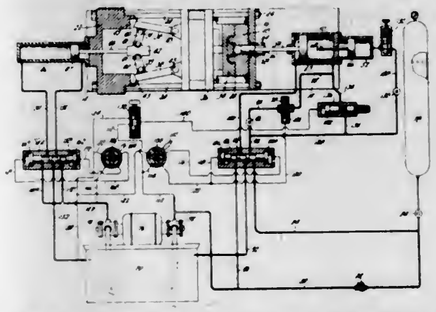
1. Cabin pressure control apparatus for an aircraft including, in combination, outflow valve means, controller means for said valve means, motor means for adjusting said controller means, manual means for adjusting the direction and extent of travel of said motor means, means for adjusting the speed of travel of said motor means, means responsive to the differential of the pressure existing in the aircraft cabin and the atmospheric pressure surrounding the said cabin, said differential pressure responsive means including switching means operable to first prevent further operation of said motor means in a direction to adjust said controller means in a manner to increase the said differential and operable at a higher value of the said differential to cause operation of said motor means in a manner to reduce the said differential and operable at a still higher value of said differential to cause said motor means to adjust said controller means at high speed in a direction to reduce said differential, and means operable as an incident to the operation of said valve means to a wide open position for causing said motor means to adjust said controller means in a direction opposite to that caused by said differential pressure responsive means.

2,585,296
CORNSTALK CRUSHER
David A. Bennett and Roy E. Bennett, Lenox, Iowa
Application May 11, 1949, Serial No. 92,555
4 Claims. (Cl. 55—118)



1. A mobile cornstalk crusher adapted to be towed behind a tractor having a power-takeoff, comprising: a substantially rectangular frame; a pair of ground-engaging supporting wheels at opposite sides thereof; means connecting said wheels to said frame for relative vertical adjustment thereon; a tow bar secured to the front of said frame for towing connection to the tractor; a rotatable drum mounted on said frame and extending from side to side thereof transversely therewithin in approximate alignment with said wheels; means for rotating said drum from the tractor power-takeoff; and a plurality of rows of closely adjacent rigid striking hammers hingedly secured to said drum for pivotal movement about axes parallel to the drum axis, each of said rows extending from one end of said drum to the other and said hammers being of substantially uniform cross section throughout their entire length.

2,585,297
ALUMINUM DIE-CASTING MACHINE
William B. Beuscher, Kansas City, Mo., assignor to Rupert Diecasting Company, Kansas City, Mo., a corporation of Missouri
Application May 23, 1949, Serial No. 94,808
4 Claims. (Cl. 22—68)



1. In a die-casting machine of the class described having a die mold, a plunger adapted to inject a charge of molten metal into said mold, a hydraulically operated shot piston adapted to actuate said plunger, a hydraulic cylinder rigidly associated with said mold and in which said shot

piston operates, a booster piston, a hydraulic cylinder rigidly connected to said shot cylinder and in which said booster piston operates, a rod fixed to said booster piston and extending into said shot cylinder, a pair of conduits interconnected respectively with said shot and booster cylinders, a hydraulic pump interconnected with said conduits and operable to deliver fluid under pressure simultaneously to said cylinders through said conduits, whereby said shot piston is advanced to cause said plunger to inject molten metal into said mold and whereby said booster piston is advanced to move said rod into said shot cylinder to displace fluid therein, a check valve disposed into the conduit leading to said shot cylinder and adapted to prevent reverse flow therein, and a flow restriction disposed in the conduit loading to said booster cylinder, whereby said booster piston is caused to advance more slowly than said shot piston.

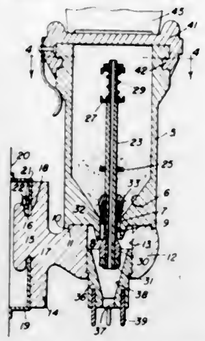
2,585,298
IMPLEMENT FOR REMOVING INDENTATIONS FROM PUTTING GREENS
Manuel T. Coelho, Redwood City, Calif.
Application October 15, 1949, Serial No. 121,584
2 Claims. (Cl. 47—1)



1. An implement for the purpose described comprising a supporting rod, a block secured to the lower end of the rod, the said block having a substantially flat surface arranged at substantially right angles to the rod, a pair of spaced ground engaging elements pivotally mounted on opposite sides of the block, the said elements having extensions extending upwardly above the block and depending pointed ends extending below the block, a sleeve slidably mounted on the rod, links connecting the sleeve and the upper extensions of the ground engaging elements, a hand lever pivotally connected at a point between its ends to the rod above the sleeve and having a handle at one end, and link means pivotally connecting the opposite end of the lever to the sleeve.

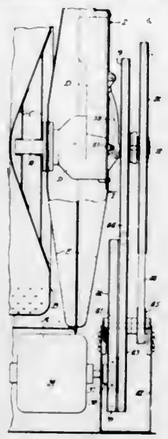
2,585,299
TOOTH POWDER DISPENSER HAVING SLIDING VALVES FOR DISPENSING MEASURED QUANTITIES OF POWDER
Michael E. Cook, Bellwood, Ill.
Application October 7, 1947, Serial No. 778,321
2 Claims. (Cl. 222—181)

1. A dispenser of the class described comprising a powder container having a discharge opening in its bottom, an annular flange extending downwardly from the opening to form a measuring chamber, a valve stem slidably mounted in the opening and extending downwardly through the chamber, an attaching bracket supporting the container and having a vertical opening into which the lower end of the valve stem projects upper and lower valves carried by the stem closing respectively the top and bottom of the chamber to trap powder therein, said valves being arranged for opposite opening and closing move-



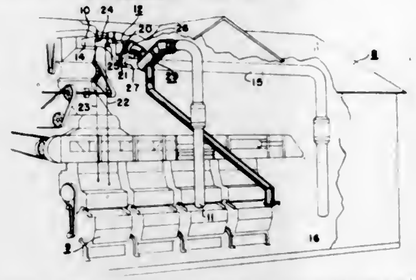
ment, and means for vertically actuating the valve stem, said means comprising a funnel-shaped plunger slidably mounted in the opening of the bracket and positioned beneath the chamber and engaging the lower end of the valve stem to open the upper valve and close the lower valve upon an upward movement of the plunger, spring means lowering the valve stem, and manually engageable actuating pins projecting from the lower end of the plunger to protect the plunger from contact with the hand of a person actuating the plunger.

2,585,300
WASHING MACHINE TRANSMISSION
Francis H. Condon, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 29, 1948, Serial No. 23,918
8 Claims. (Cl. 74—217)



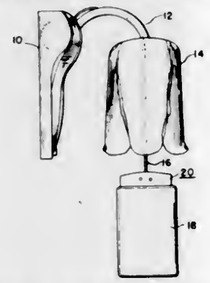
1. In a variable speed transmission having a housing and comprising three co-axially arranged shafts, two of said shafts being telescoped and constituting high and low speed driving shafts, and the third shaft being piloted on the inner portions of said telescoped shafts and constituting a driven shaft rotatable of high and low speeds by the respect in driving shafts, separate coupling means effective to alternately drivingly connect said driven shaft to the respective driving shafts, in combination with motor means including means to effect different speed ratios operatively connecting said motor means to the respective driving shafts, and means selectively operable for controlling at least one of said coupling means whereby said driven shaft is adapted to be alternately rotated at different speeds.

2,585,301
FEEDING AND REFUSE SEPARATING APPARATUS FOR COTTON GINNING MECHANISM
Willie G. Doss, Lubbock, Tex.
Application March 21, 1950, Serial No. 150,866
4 Claims. (Cl. 19—76)



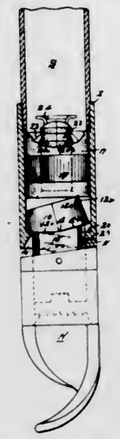
1. In a device for use in a pneumatic conveyor and for separating refuse from seed cotton and similar relatively light material moved by the conveyor, a hollow body comprising a stem conduit, intake and discharge arm conduits in communication with one another and extending upwardly and outwardly in substantially V-shaped form, said stem conduit communicating with said intake arm conduit at its bottom wall wholly in advance of said discharge conduit, a regulatable air intake means associated with said stem conduit, an overflow valve in the discharge conduit beyond the separator operable to discharge surplus quantities of cotton passing therethrough, and a trap door on the lower end of said stem conduit held closed by suction in the conduits heading through the separator, but automatically operable to discharge refuse from the stem conduit when the overflow valve is operated to discharge the surplus quantities of cotton.

2,585,302
ATTACHMENT DEVICE
Arthur E. Du Bois, Fort Lauderdale, Fla.
Application October 15, 1949, Serial No. 121,607
5 Claims. (Cl. 45—28)



1. In a device of the nature described: a bar-like body part, a pair of arms pivoted to said body part adjacent the center thereof and movable from a position of angularity therewith to a position of parallelism therewith, and arcuate gripping fingers carried by said arms at their free ends, said fingers being co-planar and being formed as arcs of circles about the pivots for their respective arms.

2,585,303
OVERSHOT TOOL STRING KNUCKLE JOINT
William H. Dumble, Bakersfield, Calif.
Application August 31, 1946, Serial No. 694,378
5 Claims. (Cl. 294—86)



1. A tubular shell having at its lower end an internal guide, a tool joint member pivotally supported in the shell at a level above said guide and having a stem portion below its pivot axis fitted and swinging to and fro in the guide, the said member projecting down through in the guide without relative rotation around the axis of the shell, and a hydraulically actuated piston in the shell and operative on said member to tilt it in the guide said member having spaced stop parts at the ends of the guide to engage the same and prevent axial shift of the axially alined joint member in the guide, and said member having an overshot grab sleeve screwed on its lower end.

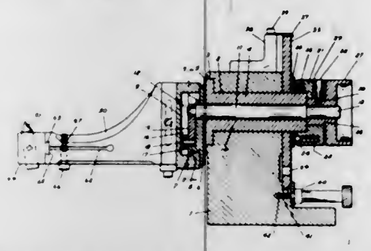
2,585,304
ROD TO PLATE JOINT STRUCTURE
William I. Evans and Elias Blanco, Los Angeles, Calif.
Application June 16, 1947, Serial No. 754,898
4 Claims. (Cl. 287—20)



1. A fabricated article comprising an element having a recess along the edge thereof, said recess having an arcuate boundary of an extent of more than 180°, a post element engaged in said recess and having a diameter substantially equal to twice the radius of said arcuate boundary, said post element having a substantially flat side, and at least one wire element around the curved surface of said post element partially embedded in the portion of said post element contacted by said wire and partially embedded in the arcuate

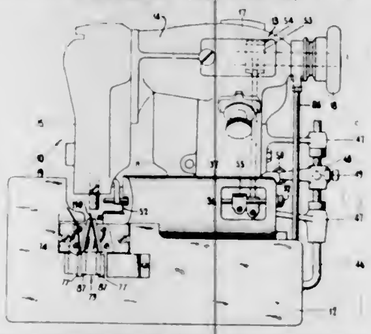
boundary surface of said recess contacted by said wire, the ends of said wire element being bent over a portion of the flat surface of said post element.

2,585,305
RADIUS TANGENT DRESSER
Kenneth M. Fritts, Erie, Pa.
Application January 31, 1947, Serial No. 725,596
5 Claims. (Cl. 125—11)



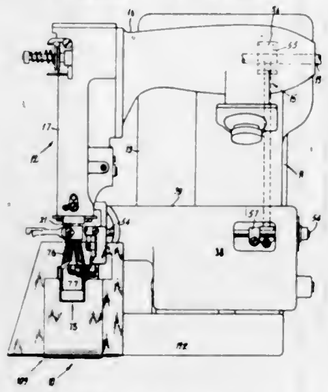
1. A radius tangent dresser comprising a support member having a bore, a bushing journalled in said bore having a flanged portion on one end thereof, a shaft journalled in said bushing, a support plate fixed to said flanged portion of said bushing having an outwardly projecting male portion with undercut sides, a slidable head having a female projecting portion engaging the undercut sides of said male portion for straight line motion relative thereto, said slidable head having a vertically slotted portion centrally thereof enclosed by said projecting male portion on said support plate, a crank arm attached to said shaft, a roller cam on the end of said crank arm slidable in a straight line in said slot in said slidable head upon rotation thereof whereby said slidable head is reciprocated, aligned handles on said bushing and said shaft, respectively, for rotating same, and a straight line movable tool attaching member carried by said slidable head and movable normal thereto for attaching a tool holder to said slidable head, said crank arm and the vertically slotted portion in said head being enclosed in operation.

2,585,306
BELT LOOP SEWING MACHINE
Joseph Galkin, New York, N. Y.
Application May 31, 1947, Serial No. 751,573
7 Claims. (Cl. 112—2)



1. In a mechanism for simultaneously trimming both edges of a fabric strip and top feeding and finishing belt loops having flat and superposed edge portions in a single operation, the combination with a sewing machine having a work supporting base, a head, a presser foot supported by said head and a curved needle and means for forming blindstitch stitching, an arm reciprocally mounted in said head and having a four-motion feeding movement and carrying a feed-dog in the rear of said needle, front and intermediate top feed-dogs placed one behind the other and being fixed to said rear feed-dog carrying arm and being mounted for four-motion feeding movements in front of said needle, means for pivotally mounting and resiliently downpressing said front top feed-dog, reciprocatory shear blades mounted on a shaft positioned below said work supporting base, said blades being respectively positioned on opposite sides of said forward top feed-dog for cutting a strip of fabric of predetermined width, a work clamp below said presser foot having two rigid side bars forming a fixed guideway centrally and lengthwise thereof, a folder for folding both side edges of said sheared strip of fabric above said strip into superposed relation, said folder having a converging passage in its upper wall, said reciprocatory shear blades coacting with stationary blades secured to opposite faces of a stationary blade carrier having a flat upper surface, said front top feed-dog being pivotally mounted on a pivot carried by said reciprocating arm, said intermediate top feed-dog being mounted in the rear of said folder passage for feeding the folded fabric through said folder and directly to said needle.

2,585,307
ATTACHMENT FOR BLINDSTITCH SEWING MACHINES
Joseph Galkin, New York, N. Y.
Application June 22, 1949, Serial No. 100,554
7 Claims. (Cl. 112—2)



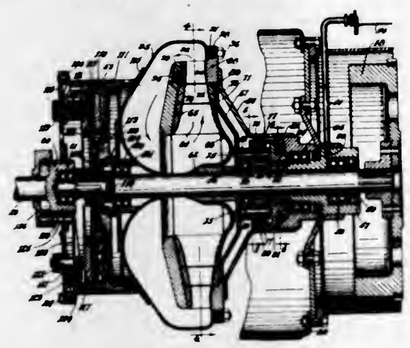
1. A belt loop making attachment for a blindstitch sewing machine for top feeding and simultaneously trimming both edges of a section of fabric and finishing a blindstitch belt loop having both edges of the fabric folded into contacting relation and concealed internally of said belt loop, said sewing machine having a frame, a curved needle, a feed arm carrying a top feed-dog in the rear of said needle and means for forming blindstitch stitching; said attachment comprising a bracket having a work supporting base and means for attachment to said frame, a top feed-dog attachable to said feed arm for four-motion work-advancing feeding movements in front of said needle and means for pivotally mounting and resiliently downpressing said front top feed-dog on said work-supporting base, a blade support carrying two stationary shear blades, reciprocatory shear blades respectively positioned on opposite sides of said front top feed-dog and adapted for cutting a section of fabric to a predetermined width, a triangularly shaped folder having its outlet end positioned directly at and in front of said needle and having two curved side edges adapted for folding both side edges of said cut strip of fabric into equally extended relation above said strip, said folder having a rearwardly converging passage, said top feed-dog having a rectangular front portion for feeding fabric to said shear blades and having a triangular rear portion for feeding the cut strip through said folder.

2,585,308
EXTERIOR REARVIEW CONTROLLED MIRROR
Reuben Goldstein, Pittsburgh, Pa.
Application January 24, 1950, Serial No. 140,303
1 Claim. (Cl. 88—98)



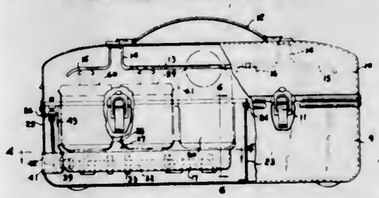
In a rear view mirror for external use on motor vehicles, a supporting arm embodying hollow telescoping sections rotatable with respect to each other, a friction bearing in one of the sections, a control rod extending through the sections and held within the friction bearing, one end of the central rod being extended laterally and being tapered, a mirror bracket pivotally supported on one end of one of the sections, said mirror bracket including a hollow member in which the right angled tapered end of the control rod extends effecting movement of the bracket and mirror vertically and horizontally varying the angular position of the bracket, a mirror supported on the bracket, and friction means for securing the sections against movement with respect to each other under normal conditions.

2,585,309
HYDROKINETIC TURBINE TORQUE CONVERTER
Russell W. Gregg, Massillon, Ohio
Application July 21, 1945, Serial No. 606,305
4 Claims. (Cl. 192—3.2)



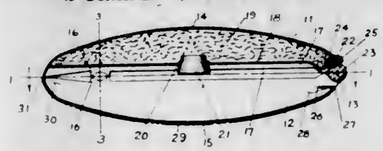
1. A hydro-kinetic turbine torque converter comprising an impeller including a shaft, means for driving the shaft, a plurality of arcuate impeller vanes mounted upon the impeller said impeller vanes being disposed outwardly and rearwardly to the direction of movement of the impeller, a reaction guide member having a plurality of arcuate reaction guide vanes surrounding the periphery of the impeller said guide vanes being disposed outwardly and forwardly to the direction of movement of the guide member, positive means for rotating the reaction guide member in the same direction as the impeller and at a fixed speed ratio thereto, a runner having a plurality of concaved runner vanes surrounding the periphery of the reaction guide member and means for continuously circulating fluid through the impeller vanes, reaction guide vanes and runner vanes to rotate the runner in the same direction as the impeller and the reaction guide member, a friction clutch between the runner and the impeller shaft, a driven shaft rigidly connected to the runner, and means controlled by the speed of the driven shaft for engaging and disengaging the clutch.

2,585,310
LUNCH BOX
Ernst H. Gronlund, Algonac, Mich., assignor to Electrolunch Co., Algonac, Mich., a copartnership
Application November 4, 1949, Serial No. 125,536
7 Claims. (Cl. 219—19)



6. In an electrically heated lunch box a heater housing; a heating element mounted in said housing, said housing being open at its upper end; a container positioned above said heater housing and composite therewith; a lower section of a lunch box; a partition in said lunch box; a flange on said container; securing means for securing said flange to said partition.

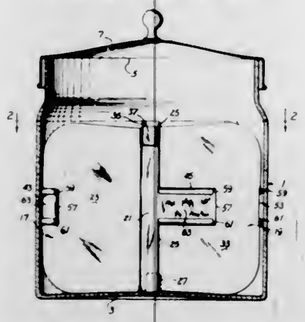
2,585,311
HECTOGRAPHIC COPYING DEVICE
Donald N. Grundberg, Stoneham, Mass.
Application February 18, 1950, Serial No. 145,033
2 Claims. (Cl. 101—131)



1. An improved copying device including a holder adapted to be held in the hand of an operator, said holder comprising a lower portion and an upper portion hingedly mounted together at one end on a transverse shaft, said upper and lower portions being substantially rectangular in form and hollow, the upper face of the upper portion and the lower face of the lower portion being arcuate in form, a liquid distributing roller rotatably mounted on a transverse shaft at the junction of the upper and lower portions, means on the lower portion for removably securing a master sheet of material on which may be impressed, with an aniline dye composition, characters to be copied, a reservoir in the upper portion for holding a

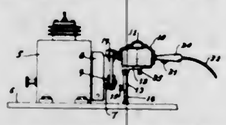
supply of alcohol solution, and means extending from the reservoir to the liquid distributing roller for feeding a supply of alcohol liquid to said roller as the roller is rotated.

2,585,312
STERILIZING RECEPTACLE FOR LIGATURE TUBES
Reed B. Harkness and Eleanor E. Lacey, St. Louis, Mo., assignors to The C. Dewitt Lukens Surgical Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application August 13, 1949, Serial No. 110,202
7 Claims. (Cl. 21—87)



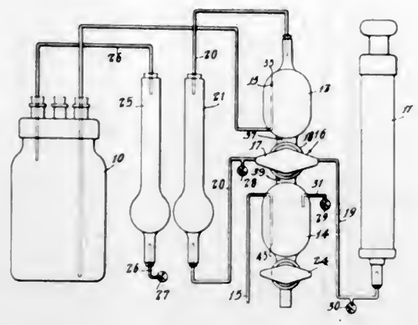
1. A sterilizing receptacle for ligature tubes adapted to hold supplies of ligature tubes immersed in a sterilizing solution comprising a glass jar, partitioning means within the jar dividing the space therein into compartments open at the top, said partitioning means being removable from the jar and having outer vertical edges closely adjacent the inside of the wall of the jar, and label holders, one for each compartment, extending laterally from the outer edges of the partitioning means closely adjacent and in face-to-face relationship with the inside of the wall of the jar in front of the respective compartments, each of said label holders comprising a resilient tongue pressing against the wall of the jar, and formed to hold a label in vertical position closely adjacent the inside of the wall of the jar and facing the outside of the jar.

2,585,313
STARTER FOR INTERNAL-COMBUSTION ENGINES
Gustaveus W. Hart, West Simsbury, Conn.
Application June 29, 1950, Serial No. 171,029
6 Claims. (Cl. 74—6)



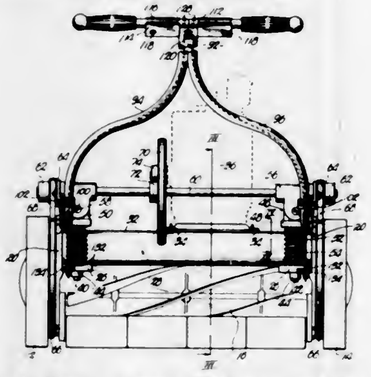
1. An electric starting device for an internal combustion engine having a pulley on the crank shaft thereof; the said device comprising an electric motor, a drive shaft in said motor, means on said shaft for driving the said pulley, an operating handle on said motor, and a leg for supporting said motor in position for rotating the pulley; the said leg being pivotally mounted to the motor, and spring means normally urging the leg into extended position for supporting the motor and permitting pivotal movement of the motor on said leg by the manipulation of the handle.

2,585,314
GAS ANALYSIS APPARATUS
Leland S. Hazeltine and Le Roy A. Stanfield, Los Angeles, Calif.
Application August 12, 1946, Serial No. 689,924
5 Claims. (Cl. 23—254)



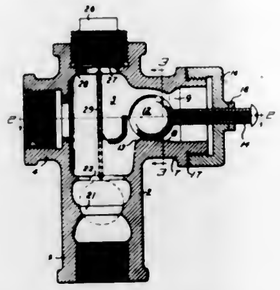
1. The combination, in a gas analysis apparatus arranged to determine the presence and amount of gas in a mixture by absorbing such gas in a gas absorbing fluid, a fluid storage chamber, a measuring chamber connected to said storage chamber, a sampling chamber, said measuring chamber having an overflow tube therein, an opening in said measuring chamber located above said overflow tube, vacuum means, a single control valve having first passageway means connecting said vacuum means to said opening to apply a vacuum to said measuring chamber, the upper end of the overflow tube being above the fluid level in said storage chamber, said sampling chamber being below said measuring chamber, said control valve having second passageway means interconnecting said sampling chamber with said measuring chamber, said sampling chamber having a mixture entering tube at the bottom thereof, and said control valve having third passageway means interconnecting said vacuum means with said sampling chamber.

2,585,315
LAWN MOWER
Rudolph H. Herman, Kansas City, Mo., assignor of one-half to Arthur Popham, Jr., Kansas City, Mo.
Application April 18, 1949, Serial No. 88,215
4 Claims. (Cl. 180—6.2)



1. In a lawn mower, the combination of a shaft; pulleys on the shaft; belts for driving the lawn mower wheels from the pulleys; shiftable shaft-supporting means including yieldable elements arranged to push the ends of the shaft so as to maintain the belts taut; and a guide handle movably carried by said lawn mower and operably connected with said means for shifting said shaft against the action of said elements to simultaneously loosen the belts when the handle is moved toward one end of its path of travel.

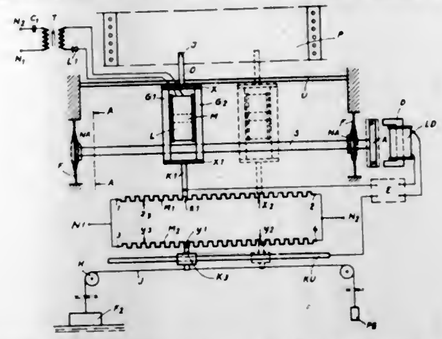
2,585,316
SHOCK OPERATED FLUID VALVE
Oliver J. Hobson, Redwood City, Calif.
Application October 11, 1948, Serial No. 53,845
2 Claims. (Cl. 137—139)



1. A shock operated fluid valve, comprising a housing of generally cruciform shape and having a central chamber opening on each of the four ends of the cross, a valve seat at the low end of the chamber in normal fixed position of the housing, means for connecting a pipe into the chamber below the valve seat, means for connecting a pipe into the chamber at one of the side openings thereof, a ledge in the chamber in the other side opening, a ball normally resting on the ledge and fitting the valve seat, means including a closure for the last named side opening for adjusting the ball on the ledge, a closure for the upper opening of the chamber, and means connected to the housing in the upper opening and to the ball consisting of a chain which has substantially no slack when the ball is on the valve seat.

2,585,317
DEVICE FOR TRANSFORMATION OF A MEASURING QUANTITY INTO MOVEMENTS OF ADJUSTABLE MEMBERS
Seth August Holmqvist, Appelviken, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden
Application January 6, 1950, Serial No. 137,256
In Sweden February 2, 1949
10 Claims. (Cl. 318—21)

1. In an apparatus for the transformation of the variations of a quantity to be measured into movements of an adjustable member, comprising a source of alternating current, a rectifier for rectifying said alternating current to pulsating direct current, a bar of ferromagnetic material resiliently supported for axial movement, an armature mounted on said bar, a driving electromagnet mounted adjacent said armature and capable of attracting said armature and bar in the longitudinal direction of the latter, means responsive to variations in said measured quantity for supplying pulsating direct current from said rectifier to the winding of said electromagnet in accordance with the sense of said variations, an additional electro-magnet having an armature positioned adjacent said bar, guide means for mounting said additional electromagnet for slidable movement in the longitudinal direction parallel to the axis of said bar, an additional source of alternating current having the same frequency but approximately ninety degrees out of phase relative to said first mentioned source of alternating current, a half wave rectifier for rectifying the current from said last mentioned source of alternating current and a circuit for supplying the rectified current from said last mentioned source to the winding of said last mentioned electro-magnet.

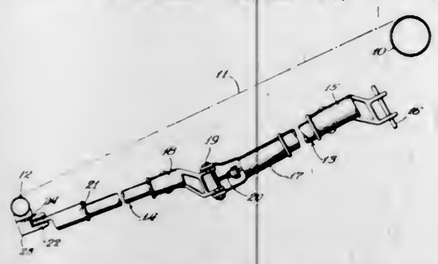


2,585,318
OIL WELL JAR
Clifford M. Howard, Fontana, Calif.
Application February 27, 1951, Serial No. 212,977
9 Claims. (Cl. 255—27)



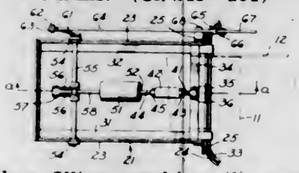
1. An oil well jar comprising a tubular body, coupling means on the lower end of said body, a mandrel extending into said body and slidable vertically therein, coupling means on the upper end of said mandrel, a shoulder in said body forming an anvil, a second shoulder on the mandrel forming a hammer and engageable with the anvil, a latch ring in said body, releasable means on the mandrel engaging said latch ring, splines on the inside of said body, said mandrel having grooves therein to receive the splines, said grooves forming fingers therebetween in the mandrel, a finger ring mounted in said body, projecting fingers on said finger ring, said projecting fingers engaging the first named fingers to take up looseness between the first named fingers and the splines.

2,585,319
LATERAL ARM ASSEMBLY FOR ALUMINUM AWNINGS
Charles B. Huizenga, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application July 6, 1950, Serial No. 172,355
2 Claims. (Cl. 160—70)



2. In an awning having a front bar, a back roller and a curtain suspended therebetween, the combination of a pivoted lateral arm assembly having upper and lower arm sections interconnected by a pivot, an offset pivotal connection between the front bar and the end of the lower arm section wherein said front bar, lower arm section and upper arm section, when collapsed, lie in a plane substantially perpendicular to the plane of the awning curtain, said offset pivotal connection consisting of a bracket affixed to the under surface of the front bar, at a point opposite the curtain thereon and held by screw means perpendicular to said curtain.

2,585,320
SACK HOLDER
Foy F. Hunt, Alhambra, Calif.
Application January 24, 1947, Serial No. 723,916
3 Claims. (Cl. 248—101)

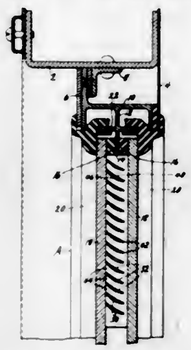


2. In a bag filling machine, the combination of: a frame; a primary bar fixed to said frame; a secondary bar having curved ends so shaped as to fit inside the bag to be filled; members rigidly fixed to said secondary bar and so mounted in said frame that they can slide in said frame in a direction at right angles to the major axis of said bar; a shaft carried by said frame and so mounted thereon that it can turn with relation to said frame; an operating lever by means of which said shaft can be so turned; a bell crank lever rigidly fixed to said shaft; and members so connecting the end of said bell crank lever to said secondary bar that said bar so slides as said shaft is so turned.

2,585,321
HIGH-TEMPERATURE GREASE
Richard A. Butcosk, Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application June 13, 1950, Serial No. 167,935
9 Claims. (Cl. 252—42.1)

1. A high temperature grease consisting essentially of: mineral oil, a lithium soap content of from about 5 to about 25 per cent by weight, and about 10 to about 50 per cent by weight of an ester of an oxy-acid of phosphorus, said grease retaining its original gel structure at temperatures ranging from 400° F. to 500° F.

2,585,322
WINDOW CONSTRUCTION
George K. Bradfield, Jr., Hackensack, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 21, 1946, Serial No. 642,522
3 Claims. (Cl. 20—56.5)



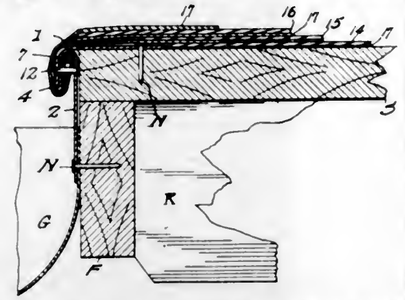
1. A support for positioning individual louvers, said support being of comb like form having a normally straight flexible back and outwardly projecting teeth defining slots of slightly less width than the individual louver to be positioned whereby the flexible back of said positioning means will assume a curved position upon insertion of said louvers in the slots between the teeth.

2,585,323
LINEAR PYROMELLITIC POLYESTERS AND THEIR DERIVATIVES
William E. Elwell, Berkeley, and Douglas C. McGowan, Richmond, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 31, 1949, Serial No. 96,396
17 Claims. (Cl. 260—75)

16. A process for preparing linear polymeric pyromellitic diesters of dihydric alcohol having two unreacted hydroxyl groups, said two hydroxyl groups being the only functional groups reactive with pyromellitic anhydride at a temperature from about 25° C. to about 120° C., which process comprises heating a dispersion of one mol of pyromellitic anhydride and one mol of dihydric alcohol in an inert, anhydrous diluent which is a solvent for said polymeric diester, to a temperature from about 25° C. to about 120° C., for a time sufficient to esterify substantially all of the hydroxyl groups in the reaction mixture.

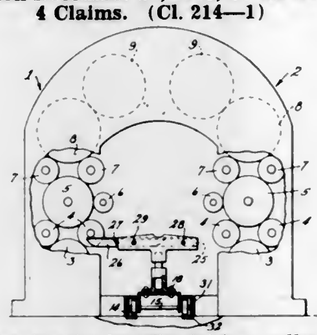
2,585,324
METALLIC EAVE STRIP
Clarence L. Hutchisson, Jr., and Elwin H. Cropp, Mobile, Ala.; said Cropp assignor to said Hutchisson, Jr.
Application August 30, 1948, Serial No. 46,816
8 Claims. (Cl. 108—26)

1. An integral eave-strip comprising an upright attaching plate for a front wall and an angular flange for attachment to a roof top forming an angular corner, and an anchoring



flange forming an inverted open-bottom U-shaped trough extending in a plane parallel with the attaching plate along the angular corner.

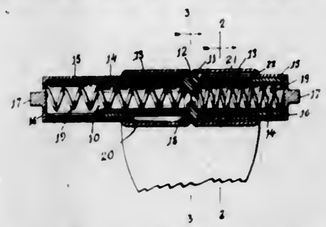
2,585,325
INKING ROLLER REMOVAL TRUCK FOR NEWSPAPER PRINTING PRESSES
Arnold L. Imshaug, West Springfield, Mass., assignor to Alico, Inc., West Springfield, Mass., a corporation of Massachusetts
Application December 21, 1948, Serial No. 66,458
4 Claims. (Cl. 214—1)



1. Apparatus to handle inking rollers of an arch type printing press having spaced sets of shaft suspended rollers mounted at each side of said press, said apparatus comprising a truck frame, a narrow elongated portion thereof for passage between said spaced sets of rollers, a bracket at each end of said narrow portion, each of said brackets including a base attached to said frame, a vertical post removably carried thereby, a horizontally disposed holder removably mounted on the post and a sliding arm carried by said holder for lateral extension at each side thereof to receive and support one end of a roller shaft, a pair of wheels on a fixed axis supporting said frame at the front thereof and guide rails of channel iron fixed edgewise between said spaced roller sets to guide and hold said wheels, said frame having a widened end portion and caster wheels mounted at the outer edges of said end portion.

2,585,326
TERMINAL FOR WRISTBANDS FOR WATCHES
Frederick Jaccarino, Stamford, and Alfred Pinson, Riverside, Conn., assignors to Apex Accessories Co., Inc., Greenwich, Conn.
Application January 30, 1950, Serial No. 141,269
3 Claims. (Cl. 24—265)

1. A wrist band terminal comprising a tubular stem having a hub between the ends thereof, a sleeve capping each end of the stem and mounted to telescope on the corresponding end, a spring housed in the stem and the sleeves for moving the sleeves on the stem away from the hub, said stem and sleeve having means limiting the telescopic movement of the sleeves on the stem in either direction, and a drum-shaped band end



anchored to the hub median of its ends, said drum engaging the outer periphery of the sleeves to form guiding means therefor in addition to the guiding means formed for the sleeves on the stem, said sleeves having trunnions on the outer ends thereof for engaging the arms of a wrist watch.

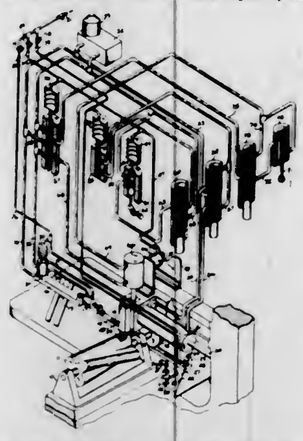
2,585,327
DISPENSING REEL FOR FISHING LEADERS AND THE LIKE
Arthur C. Johnson, Harold B. Collins, and Oscar H. Johnson, Breedsville, Mich.; said Arthur C. Johnson and said Oscar H. Johnson assignors to said Collins
Application November 1, 1950, Serial No. 193,478
2 Claims. (Cl. 242—138)

1. A reel of the class described comprising an annular member forming a solid flange having a central opening, and tongues integrally formed with said member and projecting radially outwardly from the opening and spaced from the member to form a toothed flange opposed to the solid flange and with a channel between the flanges adapted for holding a coil of material.

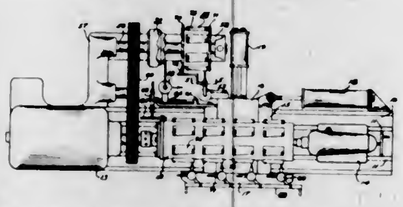
2,585,328
MACHINE TOOL CONTROL
Clarence Johnson, Orfordville, Wis., assignor to Bailey Meter Company, a corporation of Delaware
Application February 14, 1947, Serial No. 728,658
5 Claims. (Cl. 90—24.3)

1. In a machine tool having a tool holder and a reciprocating workpiece holder moving in a work cycle including a cutting period and indexing interval, the provision of apparatus for relatively moving the tool holder and workpiece holder, comprising indexing means including a pattern, a first substantially constant air supply, tracer means exhausting air to atmosphere from said first air supply at a variable rate in response to the form of said pattern, said variable rate of exhaust producing a variable pressure between said air supply and said exhaust means, first pressure responsive means responsive to said variable pressure, a first hydraulic system including a piston for moving the tool holder in a

first direction, a second hydraulic system including a piston for moving the tool holder in a second direction, said first and second hydraulic systems being controlled by said first pressure responsive means, and master control means, said master control means including hydraulic entrapment valve means having a first position for entrapping fluid in said first and second power systems to lock said power systems against movement, and having a second position releasing said first and second power systems to the control of said first pressure responsive means, a second substantially constant air supply for said master control, trip means exhausting air to atmosphere from said second air supply at a first rate during the cutting period of the work cycle, trip actuating means responsive to the reciprocating movement of the work holder adapted to actuate said trip means during the indexing interval of the work cycle and cause said trip to exhaust air at a second rate from said second air supply, second pressure responsive means between said second air supply source and the trip means, said second pressure responsive means being responsive to the first rate of discharge to operate said hydraulic entrapment valve to said first position and lock said first and second power systems against movement, and responsive to said second rate of discharge to operate said hydraulic entrapment valve to release the first and second power systems to the control of the pneumatic tracer system.

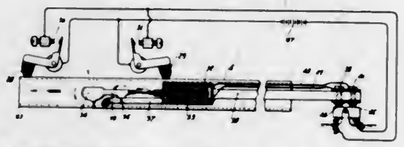


2,585,329
MACHINE TOOL MOVEMENT CONTROL
Clarence Johnson, Orfordville, Wis., assignor to Bailey Meter Company, a corporation of Delaware
Application April 22, 1947, Serial No. 743,158
8 Claims. (Cl. 90—24.5)



1. A machine having a carriage and cross slide mounted on the carriage, a carriage operating means including a first hydraulic motive means for controllably moving the carriage, and contour operating means including a second hydraulic motive means for controllably moving the cross slide, said carriage operating means including a rotatable pattern for directing movement of the first hydraulic motive means and carriage, carriage tracer means adapted to scan said rotatable pattern for carriage operation, mounting means to mount said carriage and tracer for movement with the carriage, means to shift the tracer on said mounting means relative to the carriage, said first hydraulic motive means being progressively advanced responsively to said shifting movement independently of special movements produced as a result of pattern form, said contour operating means including a rotatable contour pattern, contour tracer means adapted to scan said contour pattern for cross slide and control to direct movement of the second hydraulic motive means and cross slide, mounting means to mount said contour tracer for movement with the cross slide, said contour tracer and rotatable contour pattern being in complete control of cross slide movement independent of carriage movement.

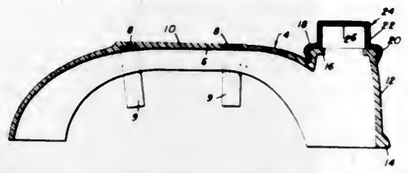
2,585,330
MACHINE FOR DEPOSITING A COATING ALONG A LINE ON A TUBE
Daniel Kayser, Paris, France, assignor to Societe Anonyme pour les Applications de l'Electricite et des Gaz Rares-Etablissements Claude-Paz et Silva
Application April 5, 1948, Serial No. 19,066
In France April 10, 1947
6 Claims. (Cl. 118—1)



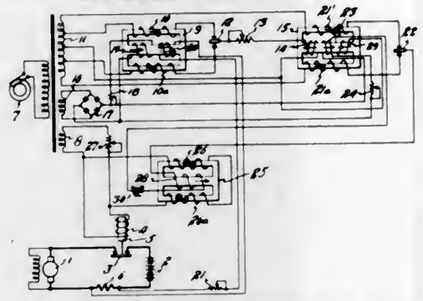
1. A machine for depositing a coating along at least one part of a line, on the wall of a tube, which line is of a length less than the length of the tube, comprising means operable upon contacting the tube wall for depositing a coating thereon, means for moving the tube longitudinally, means for guiding the tube in its longitudinal movement, electro magnetic means for shifting the coating means out of contact with the tube wall, a first switch operable when closed for completing an energizing circuit through the electromagnetic means and provided with an actuator positioned in the path of movement of the tube for shifting the switch to open position upon the actuator engaging the tube, and a second switch connected in parallel with the first switch and operable when closed for completing the energizing circuit through the electromagnetic means and provided with an actuator mechanically independent of the actuator of the first switch and also positioned in the path of movement of the tube for shifting the second switch to open position upon engaging the tube.

2,585,331
AUTOMOBILE DOOR HANDLE AND LOCK SHIELD
Martin V. King, Hammond, Ind.
Application September 25, 1950, Serial No. 186,645
4 Claims. (Cl. 70—455)

1. An attachment for an outside automobile door handle construction comprising a basing and attaching jacket adapted to encase a coacting portion of the door handle construction, said jacket being substantially channel-shaped in cross-section and open at its outer end and provided at said end with an endless annular flange and an endless outstanding bead, and an elastic cap having a disk portion with a self-closing keyhole therein and having a rim portion provided with an outstanding annular channel, said channel being interlocked with said annular bead.



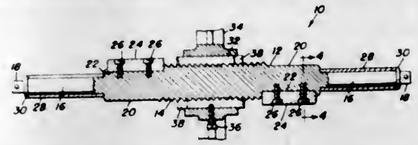
2,585,332
ELECTRIC CONTROLLING APPARATUS
Frank G. Logan, Yonkers, N. Y., assignor, by mesne assignments, to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application February 10, 1948, Serial No. 7,480
13 Claims. (Cl. 175—294)



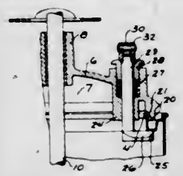
1. Controlling apparatus comprising a circuit, a switch for affecting the connections of said circuit, power input means for connection to an alternating current source, a reactor having a main winding connected to be supplied with current from said input means, a rectifier connected to be supplied with current from said winding, a controlling winding on said reactor, means for coupling said controlling winding with said circuit to supply said controlling winding with direct current derived from said circuit and responsive to change in value of the current in said circuit, and means comprising a controlled winding affected by the output of said rectifier for affecting the movement of said switch when the current in said circuit attains a predetermined value, said controlled winding being normally energized by current derived from said power input means and affecting the movement of said switch upon failure of voltage of said source.

2,585,333
ROTARY IMPACT DELIVERY MEANS FOR SOCKET WRENCHES
Lawson C. Mabrey, Tulsa, Okla.
Application October 10, 1950, Serial No. 189,446
1 Claim. (Cl. 81—52.3)

A wrench comprising an elongated body having a pair of end portions and a screw-threaded intermediate portion, a pair of wrench socket receiving adapters provided at the outer ends of said end portions, a pair of stop blocks provided on the end portions adjacent the respective opposite ends of the screw-threaded intermediate portion, a pair of sleeves rotatable on the respective end portions of the body between said blocks and said adaptors, and a screw-threaded actuating member rotatably mounted on said intermediate portion and movable longitudinally thereon, said member being provided at opposite sides thereof with flat faces adapted to abut and impact the respective stop blocks at the opposite ends of the travel of said member on said body.



2,585,334
CLOSURE FOR PAINT CANS
Myron D. McCauley, Huntington Woods, Mich., assignor to Rinshed-Mason Company, Detroit, Mich., a corporation of Michigan
Application January 19, 1949, Serial No. 71,676
1 Claim. (Cl. 220—55)

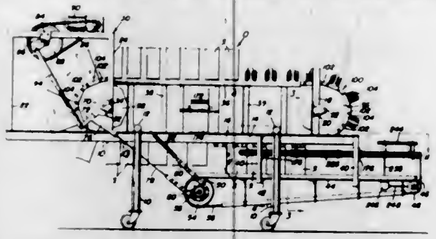


In a device applicable to a sheet metal container for paint or the like wherein the container has, at one end thereof, an inwardly extending flange like portion, with the flange like portion having a chimb which defines an opening, a closure body having a circumferential seat for seating on the chimb, a plurality of journal formations on the closure body for receiving a fastening device, each fastening device having a pintle member slidably and rotatably positioned in a journal formation, a projection on the inner end of the pintle which is engageable under the flange like portion of the container, a spring in the journal formation surrounding the pintle, said spring seating on the closure body, a bushing slidably positioned in the journal formation and acted upon by the spring, and a cam lever having an end portion pivotally mounted eccentrically to the outer end of the pintle with the cam portion thereof in engagement with the bushing, said cam lever being operable to tighten the projection on the pintle in engagement with the flange like portion with resultant compression of the spring, and operable to relieve the compression of the spring so that the pintle may be turned to disengage the projection from under the flange like portion, said spring extending to maintain the pintle under axial load when the projection thereof is released from the flange like portion of the container.

2,585,335
PACKAGING MACHINE
Clifford B. McHale and Emil H. Janssen, Torrington, Wyo.; said Janssen assignor to said McHale
Application March 14, 1949, Serial No. 81,336
11 Claims. (Cl. 53—136)

1. In a packaging machine, a carrier mounted to move in a horizontal path beneath a sack-filling station, spaced sack mouth-extending units mounted on the carrier to move around

the carrier, yielding means carried by the carrier to move the sack mouth-extending units outwardly and into contact with the sides of a sack adjacent the mouth thereof to hold said sack extended on the carrier, gusset folding fingers mounted on the carrier to move around



the carrier perpendicular to the direction of movement of the sack mouth-extending units, and yielding means carried by the carrier to move the fingers inwardly and into contact with the gussets of a sack held by the sack mouth-extending units.

2,585,336

QUICK-BREAKING BITUMINOUS EMULSION

Paul E. McCoy, San Francisco, Calif., assignor, by mesne assignments, to American Bitumuls & Asphalt Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 14, 1948, Serial No. 32,991

6 Claims. (Cl. 252—311.5)

1. A quick-breaking oil-in-water type emulsion consisting essentially of water, a bitumen, a water-soluble salt of an oxy-acid of chromium in a small amount sufficient to improve substantially the adhesion of said bitumen for hydrophilic aggregate, and sulfonated tall oil in an effective amount, up to about 10%, based on the bitumen, for emulsification of said bitumen, whereby the adhesion-promoting properties of said water-soluble salt of an oxy-acid of chromium are substantially enhanced, and the emulsion has superior properties of demulsibility and dehydration, in addition to the bitumen thereof having superior adhesion for hydrophilic aggregate.

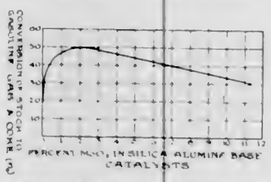
2,585,337

DESTRUCTIVE HYDROGENATION OF HYDROCARBON OILS WITH MOLYBDENUM OXIDE CATALYST

Joseph B. McKinley, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application February 15, 1949, Serial No. 76,629

5 Claims. (Cl. 196—53)



1. The process of destructively hydrogenating a hydrocarbon oil which comprises contacting said oil with hydrogen at an elevated temperature and superatmospheric pressure in the presence of a catalyst which is prepared by impregnating a silica-alumina cracking catalyst base with an aqueous solution of molybdenum pentachloride and drying and calcining the resulting mass to convert the impregnant into molybdenum trioxide, said molybdenum pentachloride being deposited in an amount sufficient to result in a calcined catalyst containing between about 0.5 and about 4% molybdenum trioxide, said molybdenum trioxide being deposited in an amount sufficient to result in a calcined catalyst containing between about .05 to about 4% molybdenum trioxide.

2,585,338

BUST SUPPORTER

Lillian J. Meares, Rutherford, N. J., assignor to Venus Corporation, New York, N. Y., a corporation of New York

Application July 2, 1949, Serial No. 102,769

1 Claim. (Cl. 2—31)



In a bust support having a main body portion for partially encircling the body of the user and having detachable belt portions at its rear ends completing the encirclement of said body, said belt portions having the rear ends of shoulder straps secured thereto, the combination of said body portion having an upper edge having pockets at its front for the reception of drip pads, said pockets opening at said upper edge of said body portion, said body portion having a lower substantially straight circumferential edge and curved contour portions between said upper and lower edges for the reception of the breasts, and a front member having its ends and median portion secured to the main body portion at the front of the same, and having curved contours extending from above the upper edge of said body portion toward said lower circumferential edge and in proximity thereto, forming flap like extensions extending in overlapping faying relationship with the curved contour portions of the main body portions, means detachably fastening said flaps at their free lower ends to the main body portion, and means detachably fastening the upper parts of the front member to the front ends of said shoulder straps, whereby said flaps may be fastened to the lower part of the main body portion, the curved contours of the front member conforming to the contours of the bust portion of the main body member, and enclosing the top curved portions of the pockets of the main body portion, and said flap like extensions may be disconnected and folded up, for access to the upper edge of the main body portion and to the pocket openings, for infant feeding.

2,585,339

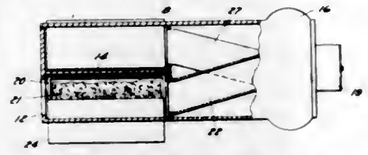
DEODORIZER APPARATUS AND GERM DESTROYER

Gustave L. Miller, Geneseo, Ill.

Application March 31, 1947, Serial No. 738,477

1 Claim. (Cl. 21—74)

In a device of the class described, a casing for positioning in an enclosed room, a pair of adjacent compartments in said casing, with an air passage in each compartment in parallel relation with each other, a deodorant container in one of said compartments opening into one of said passages for outward discharge, a casing in the other compartment embracing one of said passages, with a plurality of corrugated current retarding plates therein, with an outward discharge similar to that of the first-named passage, a fan-casing in said first named casing



with means of communication with said passages independently of each other, means for shutting off a current of air from either of said passages independently of the other, a rotary fan in said fan casing, and means for actuating said fan.

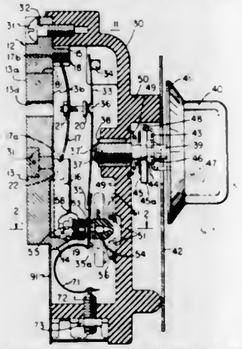
2,585,340

TEMPERATURE CONTROL DEVICE

Nicholas Miller, Berwyn, Ill., assignor to Hotpoint Inc., a corporation of New York

Application April 6, 1949, Serial No. 85,890

3 Claims. (Cl. 297—11)



1. A thermal motor comprising a rigid base, two longitudinally spaced-apart rigid abutments carried by said base, one of said abutments having a laterally extending first notch formed therein, a laterally extending substantially cylindrical rigid pin arranged in said first notch, a longitudinally extending rigid bar having a laterally extending second notch formed in one end thereof and a first laterally extending knife-rest formed in the other end thereof, said second notch receiving and engaging said pin, a rigid block engaging the other of said abutments and having a second laterally extending knife-rest formed therein, a longitudinally extending flexible element terminating at the opposite ends thereof in first and second laterally extending knife-edges, said first and second knife-rests respectively receiving and engaging said first and second knife-edges and mounting said element under compression in order to produce an offset therein between said knife-edges, said base being formed of material having a high thermal coefficient of expansion and each of said pin and said bar and said block and said element being formed of material having a substantially zero thermal coefficient of expansion so that the differential between the deformation in said base between said abutments and the deformation in said pin and said bar and said block and said element between said abutments incident to a temperature change is effective to vary the compression in said element and consequently the offset therein between said knife-edges, and an operating member selectively governed in accordance with the offset in said element between said knife-edges.

2,585,341

METHOD OF MAKING COMPOSITIONS OF TIN OXIDE

John M. Mochel, Oak Ridge, Tenn., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application January 12, 1948, Serial No. 1,891

1 Claim. (Cl. 106—65)

In the manufacture of a stannic oxide refractory containing 1 to 5 parts by weight of Sb_2O_3 per 100 parts by weight of stannic oxide, the steps which comprise reacting ammonia with stannic chloride and $SbCl_3$ in an aqueous medium at substantially the boiling point of the aqueous reaction mixture, the amount of $SbCl_3$ being equivalent to the indicated proportion of Sb_2O_3, maintaining the reaction mixture with agitation at its boiling point for at least one hour after initiation of the reaction, maintaining the pH of the reaction mixture between 4 and 7 during the course of the reaction, and calcining the resulting precipitated mixture at a temperature between 1200 and 1400° C.

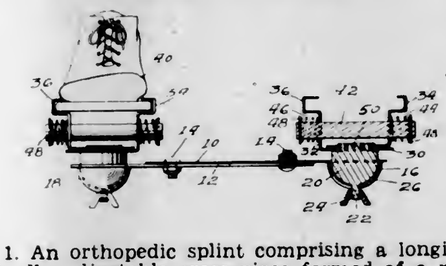
2,585,342

CLUBFOOT SPLINT

William H. Morgan, Glendale, Calif.

Application December 29, 1948, Serial No. 68,005

3 Claims. (Cl. 128—80)



1. An orthopedic splint comprising a longitudinally adjustable cross piece formed of a pair of longitudinally slotted bars connected together in adjusted position by clamping means extending through the slots in said bars; each of said bars having a hemispherical socket at the outer end thereof, a ball-ended element disposed in each of said sockets with capacity for both angular and rotative movement therein, each of said elements including a clamping means engageable with said cross piece and operable to secure said elements in adjusted positions in their respective sockets and a shoe gripping means carried by each of said elements.

2,585,343

FLANGE HOLDING CLAMP

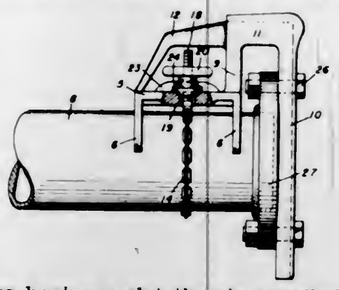
George R. Newlon, Jr., Point Pleasant, W. Va.

Application July 1, 1947, Serial No. 758,373

4 Claims. (Cl. 33—180)

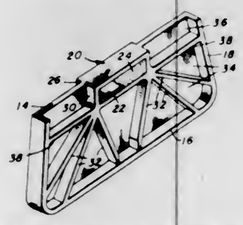
1. A flange holding clamp for assembling a flange on a pipe and comprising an inverted channel-shaped base including a pair of parallel flanges having aligned V-shaped notches therein for seating on a pipe, said base including a front edge and a rear edge, a support fixed to and rising from the front edge of the base, a leg paralleling the flanges of said base and having a laterally projecting connector at its upper end integrally formed with said support, said leg extending considerably below the flanges of said base and being sufficiently long to extend completely diametrically across a flange supported thereon, a brace connecting

the support to the rear edge of said base to further reinforce and strengthen the clamp, said leg having upper and lower longitudinal slots, fasteners slidably adjustable in the slots for securing a flange to and against the leg,



said base having a slot therein paralleling said flanges, a chain having one end received in the slot, and means carried by the base and engaging the other end of the chain to tighten the latter about a pipe seated in said notches and thereby retain the pipe in the notches.

2,585,344
STERN FOR OUTBOARD MOTORBOATS
Lawrence Plaziak, Rice, Minn.
Application August 25, 1949, Serial No. 112,350
6 Claims. (Cl. 9—6)



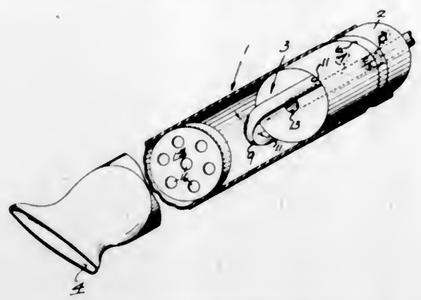
1. A stern for an outboard motorboat or other small craft, comprising a vertical plate, a flange on the bottom and lateral edges of the plate for securement to the bottom and sides of a boat, and a thickened panel at the top central portion of the plate whereupon a motor may be clamped, said thickened panel having a pad of resilient material embedded into one side thereof, said thickened panel having a portion on the stern side of the plate coextensive with the height of the plate, and another portion extending forwardly of the main portion of the plate.

2,585,345
FLASH SIGHT FOR SHOTGUNS
Steve J. Procos, Chicago, Ill.
Application October 13, 1950, Serial No. 190,007
4 Claims. (Cl. 33—47)



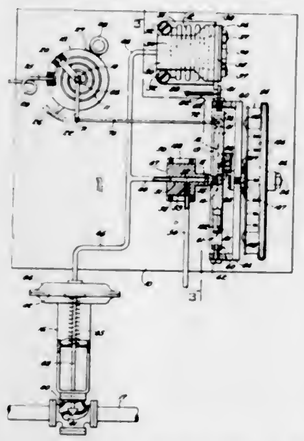
1. In a device of the class described, the combination of clamps, brackets secured to the sides of said clamps, each bracket comprising an inner and an outer internally threaded sleeve, a bolt threaded into said sleeves, a grip fixedly secured to said bolt intermediate its ends, brake springs on said bolt, each spring pressing at one end against said grip and at its other end against the end of a sleeve, a bracket section mounted on the outer sleeve, and a sight bar mounted on the outer ends of said bracket sections.

2,585,346
IRRIGATION NOZZLE
Sante Quattrin, San Francisco, Calif.
Application December 20, 1949, Serial No. 134,000
5 Claims. (Cl. 299—154)



1. An irrigation nozzle comprising an outer conduit, a fixed element covering an end of said conduit and having a longitudinal passage therethrough, means for securing said passage to a supply conduit, said passage being of substantially smaller diameter than the diameter of said outer conduit, and a flow spreader element to spread the flow issuing from said passage and to change the direction of said flow for reducing its velocity, said flow spreader and velocity reducing element being a bent strip of lesser width than the width of said conduit extended across said conduit with the concave side of said strip opposite to and spaced from said passage.

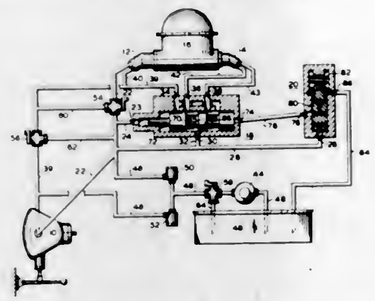
2,585,347
CONTROLLER
John W. Robins, Westwood, Mass., assignor to Mason-Neilan Regulator Company, Boston, Mass., a voluntary association of Massachusetts
Application February 28, 1950, Serial No. 146,699
17 Claims. (Cl. 137—153)



1. In a control apparatus having a fluid pressure system, a source of fluid pressure therefore, and a valve for varying the pressure in the system, a primary element responsive to changes in the value of a variable, a secondary element

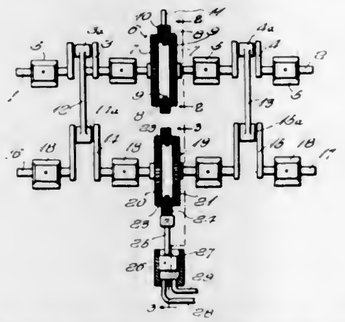
responsive to pressure changes in the system, a support, a first gimbal pivotally mounted on the support, a second gimbal pivotally mounted on the first gimbal, the axes of said pivotal mountings intersecting, means for rotating one of said gimbals by said primary element, means for rotating the other of said gimbals by said secondary element, and means operatively connecting said second gimbal with said valve.

2,585,348
PUMP-MOTOR HYDRAULIC SYSTEM, INCLUDING MULTIPLE MOTORS AND THEIR CONTROLS
James Robinson, Huntington Woods, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application June 2, 1947, Serial No. 751,712
7 Claims. (Cl. 60—52)



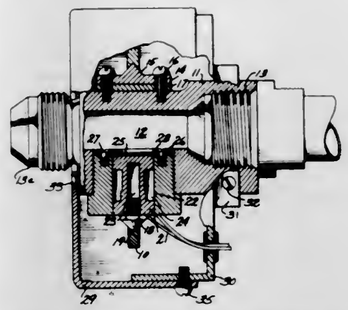
1. In a hydraulic power transmission system the combination of a pump unit A, a motor unit B and a combination motor-pump unit C, unit B having a greater displacement than unit C and units B and C being mechanically coupled to each other and to a load device, a circuit connecting the units and means for selectively establishing two circuit connections, one with units A and C in parallel with each other to operate unit B as a motor and unit C as a pump and the other with unit A operating B and C in parallel as motors.

2,585,349
MECHANICAL TRANSMISSION
William T. Rossell, New York, N. Y.
Application June 27, 1950, Serial No. 170,599
5 Claims. (Cl. 74—25)



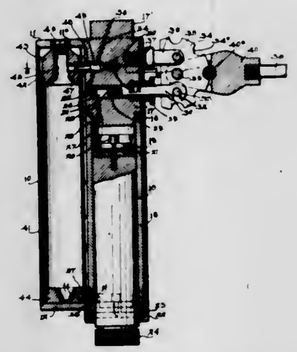
1. The combination of two relatively oscillable shafts, a differential gearing including at least one pinion connecting said shafts, power driven crankshafts connected by differential gearing oscillating each of said shafts, said pinion oscillating through an arc having a length dependent upon the phase relationship of the oscillations of said two shafts, manual means associated with said crankshafts for varying such phase relationship whereby to vary the length of the arc of oscillation of said pinion, and means transferring the oscillating movements of said pinion to a final driven means.

2,585,350
PRESSURE MEASURING DEVICE
John D. Russell, Hollywood, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application June 24, 1947, Serial No. 756,689
18 Claims. (Cl. 73—419)



1. A pressure measuring instrument, comprising: a chamber adapted to communicate with a structure confining a fluid under pressure; an elastically deformable annulus fixed, at a point on its inner periphery, to said chamber; a piston operating in a bore formed in a wall of said chamber and having an end thereof engaging said annulus at a point diametrically opposed to the first said point, said piston being subject to the pressure of said fluid and movable in response to changes thereof to deform said annulus; deformation sensing means disposed on the periphery of said annulus; and means connected to said sensing means for translating said sensings into units measuring the changes in the pressure of said fluid.

2,585,351
HYDRAULIC JACK
Fred M. Siedenburg, Richmond Hill, N. Y.
Application August 18, 1947, Serial No. 769,150
2 Claims. (Cl. 60—52)



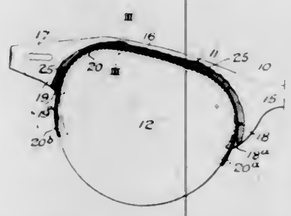
1. A hydraulic jack having a hollow cylinder closed at its top end by a block and provided with a slidable ram extendable from the bottom

of the cylinder, a flexible reservoir connected with the interior of the cylinder through valved passages formed in the block, a pump cylinder formed in the block between the valved passages and in communication with said passages, a piston slidably disposed in said pump cylinder, a piston rod connected to said piston within said pump cylinder and having one end extended from the side of the block, a bolt extended from the side of the block above the extended end of said piston rod and vertically aligned therewith, a pair of spaced semi-circular rocker plates extended along the opposite sides of said bolt and the extended end of said piston rod and pivotally attached to each with their rounded sides extended away from the side of the block, a lever extending from said rocker plates, said lever being pivotally connected to said plates at a point concentric with the rounded sides of said plates, and means releasably retaining said lever in an inoperative position along the side of the hollow cylinder or in an operative position extended laterally of the block.

2,585,352
LENS MOUNTING FOR SPECTACLES AND EYEGLASSES

Allan M. Silverman, Philadelphia, Pa.

Application April 11, 1950, Serial No. 155,236
3 Claims. (Cl. 88—47)

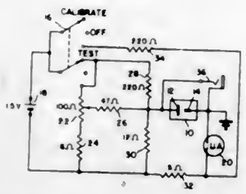


1. A mounting for removably holding a pair of eye-glass lenses comprising an integral frame-member of non-resilient material having a center nose-bridge portion and laterally extending portions on either side thereof, each of said laterally extending portions being provided with a pair of opposed downwardly extending shoulder-portions forming a more or less arcuate recess, each recess being peripherally grooved to receive the edge of a lens and extending for substantially less than half the periphery of the lens with the downwardly extending shoulder-portions terminating above the major generally horizontal axis of the lens, each groove being deepened somewhat at its ends adjacent the lower ends of the shoulder-portions, and a pair of generally C-shaped clips of resilient metal or the like secured within the grooves of said recesses with the free ends of each clip extending downward somewhat beyond the shoulder-portions and normally tensioned toward each other so that the clearance between them is somewhat less than the dimension of the major generally horizontal axis of the lens, the free ends of the clip being widened somewhat to form lens-embracing flanges and being adapted to be spread apart to permit upward insertion of the lens into the recess and thereafter firmly to clamp against the lateral edges of the lens somewhat below the major generally horizontal axis of the lens, whereby the lenses are securely yet removably held in place with only slightly more than the upper portions of their peripheries confined and with their lower edges wholly free of sight-obstructing surfaces.

2,585,353
APPARATUS FOR TESTING CRYSTAL RECTIFIERS

Peter D. Strum, Levittown, N. Y., assignor to Airborne Instruments Laboratory, Incorporated, Mineola, N. Y.

Application May 25, 1950, Serial No. 164,206
7 Claims. (Cl. 175—183)

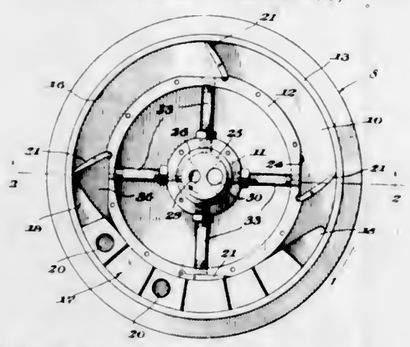


1. In a testing device for a crystal rectifier, a source of direct voltage, a variable voltage dividing circuit arranged to apply a direct voltage from said source to said crystal rectifier, a circuit adapted to apply a fixed increment of direct voltage to said crystal rectifier, and a metering system adapted to measure the direct current flowing through said crystal rectifier.

2,585,354
ROTARY MOTOR

Einar Thorgrimsson, Reykjavik, Iceland

Application July 17, 1946, Serial No. 684,294
10 Claims. (Cl. 121—56)



2. In a rotary motor and the like, a rotary casing of non-magnetic material having an annular passage therein, a floating abutment in said passage of a magnetic material, and a stationary magnet adjacent the casing cooperating with the abutment to maintain the latter in a stationary position.

2,585,355
METHOD OF INTRODUCING AN AMINO GROUP INTO AROMATIC COMPOUNDS

Józef Szczęsny Turski, Krynica, Poland

No Drawing. Application December 11, 1947, Serial No. 791,167. In Great Britain September 1, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires September 1, 1966
5 Claims. (Cl. 260—262)

1. Method of forming aromatic amino compounds comprising reacting the aromatic compound at a temperature not exceeding approximately 100° C. with a molecularly equivalent quantity of an aminating agent selected from the group consisting of hydroxyl amine, hydroxyl amine salts, hydroxyl amine disulfonic acid, and primary nitro paraffins in a solution of concentrated sulfuric acid having completely dissolved therein a catalyst selected from the group consisting of sulfuric acid soluble salts of vanadium, molybdenum, titanium, zirconium, thorium, mercury, and iron and separating the aromatic amine from the reaction mixture.

2,585,356
INSECTICIDAL COMPOSITION WITH A WHEAT DUST CARRIER

George B. Wagner, Minneapolis, Minn., assignor to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware

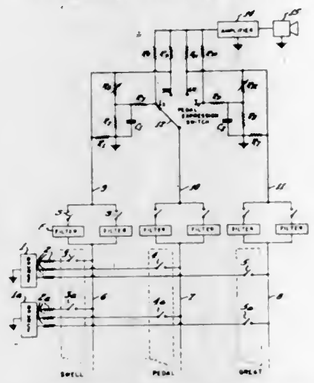
No Drawing. Application April 11, 1949, Serial No. 86,868
4 Claims. (Cl. 167—42)

1. A dry pulverulent insecticide comprising a minor percentage of an organic insect toxicant non-toxic to humans, and a major proportion of a carrier; said carrier consisting substantially of wheat dust obtained as a product by aspiration during the centrifugal impacting stage following the normal wheat dry cleaning and tempering stages, said dust having a particle size sufficiently small to pass through a 100 mesh screen, and wherein the content of outer envelope is at least 25%, the content of endosperm is at least 15%, and the content of waxy material is at least 2% of the total amount of wheat dust.

2,585,357
CONTROL SYSTEM FOR ELECTRONIC MUSICAL INSTRUMENTS

William C. Wayne, Jr., Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio

Application December 9, 1950, Serial No. 199,986
7 Claims. (Cl. 84—1.17)

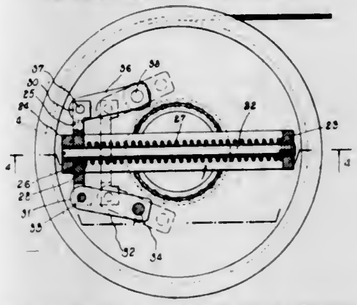


1. In an electrical musical instrument having sources of tone signals, a set of pedal keys, at least one set of manual keys, an output system and means associated with respective keys in said sets for selecting which sources are to be connected to said output system for conversion to sound of tone signals from selected sources, the combination of collectors associated respectively with each set of keys for collecting signals selected thereby, and an electrical network between said collectors and said output system, comprising a multipole switch, variable impedance means for each set of manual keys, a path between the pedal collector and the output system via one pole of said switch and a path including said variable impedance means and a connection to said switch between each manual collector and said output system, whereby selectively pedal signals may be transmitted to said output system at a prearranged level and may be transmitted to said output system along with manual signals for simultaneous control by said impedance means.

2,585,358
CABLE TENSION REGULATOR

Herman Weber, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich., a corporation of Michigan

Application February 1, 1951, Serial No. 208,860
14 Claims. (Cl. 74—501.5)



3. In a cable tension regulator a driving member adapted to be fixed to a shaft, a pair of opposed dished sheaves each adapted to receive an end of a flexible cable rotatably mounted at opposite ends of said driving member in opposed, contiguous relationship to house said driving member, and all housed within said sheaves, a radially-extending guide mounted on said driving member, a lock bar slidably fitted on said guide and extending on opposite sides of said guide, spring means engaging said lock bar in balanced relationship for moving it along said guide without canting, a driving connection between said sheave and said lock bar comprising a pair of links, one pivoted to one sheave and to one end of said lock bar and the other pivoted to the other sheave and the other end of said lock bar and each adapted upon application of rotational force to its sheave to cant said lock bar on said guide whereby said sheaves and driving member are locked against relative movement.

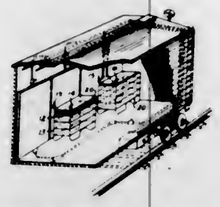
2,585,359
PERMANENTLY FUSIBLE DIALLYL ESTER COPOLYMERS AND COMPOSITIONS OF NITROCELLULOSE THEREWITH

Richard R. Whetstone, Albany, and Theodore W. Evans, Oakland, Calif., assignors to Sheli Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 11, 1948, Serial No. 64,914
14 Claims. (Cl. 260—17)

8. A composition comprising one part by weight of nitrocellulose in homogenous admixture with 0.5 to 10 parts of a permanently fusible copolymer of a mixture consisting essentially of a diallyl ester of a dicarboxylic acid and an allyl ester of a saturated fatty acid, said copolymer containing such a proportion of said diallyl ester chemically combined therein that said copolymer has a stiffening point at least ten degrees centigrade above the stiffening point of homopolymer of said monoallyl ester, but not such a high proportion that the copolymer gels upon being heated at 130° C. for 50 hours in the presence of an added 2% of di(tertiary amyl) peroxide.

2,585,360
TOTE CART
Beverly E. Williams, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Application February 11, 1949, Serial No. 75,913
5 Claims. (Cl. 62—95)



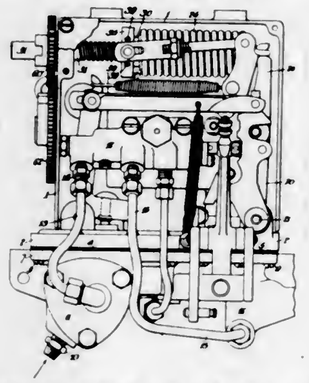
1. The combination of a refrigerated transit van and storage means for perishable product, the van having refrigerating equipment associated therewith, said equipment including means for circulating a refrigerant comprising a plurality of tote carts to hold the perishable product, each of said carts having a tubular frame structure, the tubes being constructed to contain a eutectic solution, each cart having a circuit to receive a circulating refrigerant, said circuit being associated with the tubes whereby the eutectic solution may be frozen when a refrigerant is circulated therein, and means to connect said circuit to said refrigerating equipment to freeze said eutectic.

2,585,361
DISPLAY CARTON WITH COVER CONVERTIBLE TO EASEL
Marshall I. Williamson, New Haven, Conn.
Application November 13, 1946, Serial No. 709,495
6 Claims. (Cl. 206—45.21)



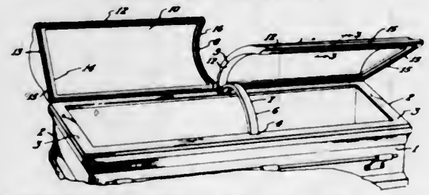
2. Folding structure formed of shape retaining foldable sheet material and capable of use both as a box cover and as an easel support for mounting a box in display position, comprising a substantially rectangular main cover panel; a pair of opposite side walls and a pair of opposite end walls depending from said cover panel and joined to provide a substantially continuous peripheral wall structure; a transverse line of fold extending across said main cover panel intermediately of and substantially parallel with said end walls, dividing said main cover panel into a box-receiving base portion and a box-elevating standard portion; respective pairs of fold lines branching outwardly from opposite ends of said transverse line of fold and extending angularly across said side walls to define respective inwardly folding bellows folds, one of the branch fold lines of each of said pairs lying within the box-elevating standard portion of the cover, and the other lying within the box-receiving base portion of the cover and extending deeply thereinto, defining respective elongate bellows fold portions which terminate in shoulders adapted to buttress the bottom of the box in its display position; and respective diagonal fold lines extending across the said side walls from those corners of said box-elevating standard portion which lie remote from said transverse line of fold, to define respective inwardly folding bellows folds thereat.

2,585,362
MEANS FOR EFFECTING CALIBRATION OF THE TIRE INFLATOR SPRING OF TIRE INFLATING APPARATUS
David S. Willson, Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Delaware
Application October 29, 1947, Serial No. 782,810
4 Claims. (Cl. 267—1)



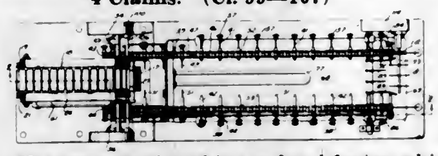
1. Calibrating means for inflating apparatus, which apparatus includes an outer casing support and a main lever pivotally mounted in said outer casing support, comprising an inflator spring connected at one end to said main lever; an adjusting nut member having an external screw threaded portion in cooperative engagement with the inner surface of the convolutions of said inflator spring throughout a portion of the length of said inflator spring; means for connecting said adjusting nut member to said casing support; a guide slot in said casing support; a non-rotatable locking ring member, including a lug in sliding engagement in said guide slot, to which said adjusting nut member is rotatably connected; and clamping means selectively connecting said adjusting nut member in rigid relationship with said non-rotatable member.

2,585,363
HERMETICALLY SEALED BURIAL CASKET
Alphonse J. Woltering, Cincinnati, Ohio, assignor to Cincinnati Coffin Co., Cincinnati, Ohio, a corporation of Ohio
Application July 14, 1950, Serial No. 173,895
9 Claims. (Cl. 27—17)



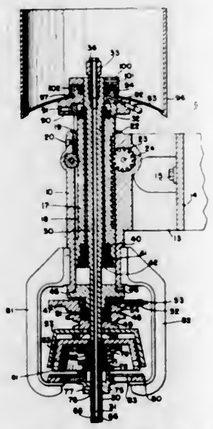
1. In a burial casket having hinged cover members, a four walled compartment member having upper edges in the same plane forming a continuous abutment surface, said hinged cover members having at their sides and opposite ends lower edges which, with closing movement, move toward the plane of the upper edges of the compartment, sealing strips secured to the lower edges of the sides and opposite ends of the cover members for providing a hermetic seal, the end edges of the cover members which are adjacent extending in similar concave arcs, a cross rib, the upper surface of which is convex and of similar contour as the concave adjacent end edges of the cover members underlying said adjacent end edges, and sealing strips providing a hermetic seal between the upper convex surface of the cross rib and the adjacent end edges of the cover members.

2,585,364
PROCESS FOR COATING AND COOKING FRANKFURTERS
George J. Wright, Berkeley, and Ralph J. Wright, Albany, Calif., assignors, by mesne assignments, to Fritter-Chef Corporation, Berkeley, Calif., a corporation of California
Application November 22, 1948, Serial No. 61,316
4 Claims. (Cl. 99—107)



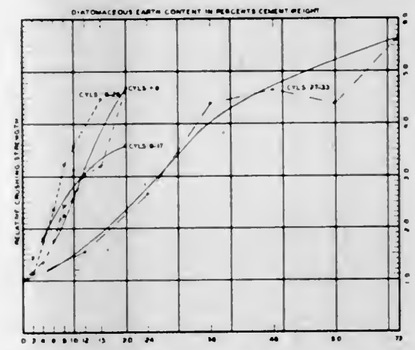
1. The process of cooking a frankfurter which consists in coating a frankfurter with batter, and rotating said frankfurter in hot oil with said frankfurter submerged in the oil by a depth approximately equal to the thickness of the batter coating thereon.

2,585,365
CLUTCH AND BRAKE FOR GRINDING APPARATUS
Robert E. Allen and William F. Utzinger, Dayton, Ohio, assignors to The Univis Lens Company, Dayton, Ohio, a corporation of Ohio
Application March 20, 1948, Serial No. 15,994
1 Claim. (Cl. 192—18)



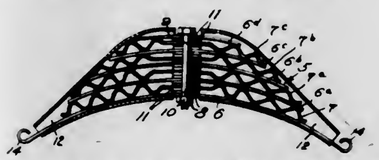
A lens grinding apparatus, in combination a spindle housing, a spindle sleeve reciprocably mounted within said housing, a spindle rotatably mounted within said sleeve, rack and pinion means connected to said sleeve to provide for reciprocating said spindle, a pulley rotatably mounted relative to said spindle for receiving a driving torque from a power source, a clutch drum connected to said pulley and a clutch shoe having a slidable connection with said spindle, said drum and shoe being constructed and arranged to move into driving engagement with respect to each other upon longitudinal movement of the spindle in one direction and out of such engagement upon similar movement of the spindle in the opposite direction, said slidable connection providing for said engagement of the shoe with the drum and thereafter continued longitudinal movement of the spindle in either direction with the shoe and drum remaining in engagement, and a brake ring positioned to engage with said clutch shoe when the latter moves out of engagement with said clutch drum to provide for stopping the rotation of the spindle upon longitudinal movement thereof in said opposite direction.

2,585,366
LIGHTWEIGHT CONCRETE MIXTURE
Armand R. Bollaert, Arcadia, and Ernest L. Neu, Manhattan Beach, Calif., assignors to Great Lakes Carbon Corporation, Chicago, Ill., a corporation of Delaware
Application April 20, 1948, Serial No. 22,096
4 Claims. (Cl. 106—98)



1. A lightweight concrete of improved crushing strength consisting essentially of Portland cement, cellular artificially heat expanded perlite aggregate having a bulk density of 5–20 lbs. per cu. ft., and from 2–100% by weight, based on said cement, of a finely comminuted solid consisting essentially of silica, the volumetric ratio of cement to aggregate being within the range of 1:5 to 1:12.

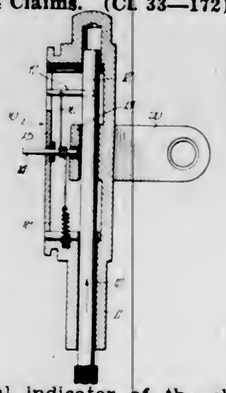
2,585,367
SELF-LUBRICATING VEHICLE SPRING
Firman R. Brooks and Alfred J. Turner, Tucson, Ariz., assignors of ten per cent to Leonard M. Shiebly
Application July 2, 1948, Serial No. 36,656
2 Claims. (Cl. 267—50)



1. A vehicle spring of the leaf type comprising a plurality of elongated spring leaves and a plurality of elongated resilient lubricating leaves in-

terposed between the spring leaves, said lubricating leaves having substantially flat intermediate portions and complementary end portions of undulating form each providing staggeredly arranged longitudinally spaced portions in contact with the spring leaves disposed on either side thereof and providing a plurality of unoccupied spaces between the spring leaves and lubricating leaves adapted to contain a non-fluid lubricant, and means extending through and detachably connecting the intermediate portions of the spring leaves and lubricating leaves, said flat intermediate portion of each lubricating leaf being disposed between and spaced from the spring leaves disposed on either side of said lubricating leaf.

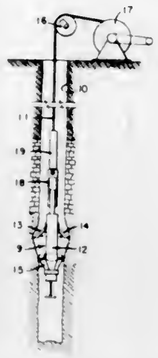
2,585,368
DIAL INDICATOR
Wallace E. Carroll, Chicago, Ill.
Application September 19, 1946, Serial No. 698,005
4 Claims. (Cl. 33—172)



1. In a dial indicator of the character described, the combination comprising an annular casing having a closed back portion and an open front, a bearing plate secured within said open front, said casing having opposed tubular bearing extensions, a central bearing member upwardly extending from said back portion and provided with a tubular opening in alignment with said tubular bearing extensions, a pressure-sensitive reciprocating shaft slidably mounted within the tubular opening of said central bearing and said tubular bearing extensions, a spindle adapted to receive an indicator at one end, mounted at an intermediate portion centrally of said bearing plate, and its other end being journaled in said central bearing in front of, and substantially perpendicularly to said shaft, and a single continuous, flexible strand encircling said spindle, a projecting member on an intermediate portion of said shaft between said central bearing and one of said tubular bearing extensions, one end of said strand being connected to said projecting member and the other end of said strand being connected within said casing between said central bearing and the other of said tubular bearing extensions; whereby to rotate said spindle when said shaft is actuated.

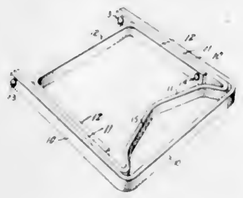
2,585,369
SIDE-WALL SAMPLER
Carlton B. Caruthers, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application November 20, 1946, Serial No. 710,957
5 Claims. (Cl. 255—1.4)

1. An apparatus for taking formation samples within a well bore comprising an elongated chamber, means for suspending said chamber within the well bore, means associated with said chamber for urging the chamber downwardly within the well bore, spring-actuated pivoted blade means carried by the upper portion of said chamber adapted to extend therefrom and dislodge portions of the formation, stop means associated with said blades to prevent unrestricted upward movement thereof, a sample-catching means adapted to extend across well bores of



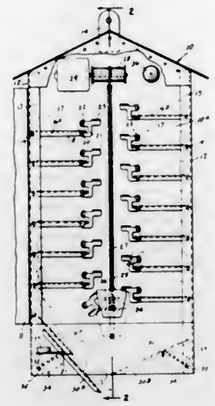
varying diameter and carried by said chamber below said blades, expansible substantially into contact with and slidable along the bore walls, removable means for initially retaining the said sample-catching means in a closed inoperative position, means for retaining the blade means in a retracted position, and means for releasing bolts said blade means and said sample-catching means in the region of the formation to be sampled.

2,585,370
FOLDING WHEEL CHOCK
John M. Cless, Pueblo, Colo.
Application November 26, 1948, Serial No. 62,103
1 Claim. (Cl. 188—32)



A wheel chock comprising: a U-shaped frame member; a U-shaped chock member, said chock member being smaller than, and telescoping within, said frame member, the two extremities of the chock member lying within and against the two extremities of the frame member; a pair of hinge pins securing said extremities together; a U-shaped brace member telescopically fitted within said U-shaped chock member, said brace member being faced oppositely from the first two members so that its extremities will project oppositely to the extremities of the former members; and a second pair of hinge pins securing the extremities of said U-shaped brace member within said chock member adjacent the mid-portion of the latter.

2,585,371
LIVESTOCK FEEDER
James R. Coffing, Danville, Ill.
Application June 9, 1950, Serial No. 167,234
5 Claims. (Cl. 161—10)

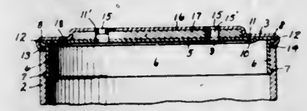


1. A live stock feeder comprising an upstanding cabinet having a series of spaced pan-like shelves each with an upstanding side wall and an outwardly sloping end wall, means for hingedly mounting said shelves to said cabinet at the end opposite said end wall, a latch mounted on said cabinet for supporting engagement with the free end of each of said shelves, a latch tripping member movable vertically relative to said latches for progressive engagement therewith to effect the release of their respective shelves for permitting discharge of food retained therein over the said end wall, means for moving said tripping member to progressively engage said latches at predetermined intervals, and a camming element extending upwardly and rearwardly from the end wall of each of said shelves engageable with the respective latches to permit positioning of a released shelf in latched position.

2,585,372
METHOD OF MAKING LOW-ALLOY STEEL
Maurice J. Day, Oak Park, Ill., and Gerald D. Rahrer, Gary, Ind., assignors to United States Steel Company, a corporation of New Jersey
No Drawing. Application August 6, 1948, Serial No. 43,012
1 Claim. (Cl. 75—129)

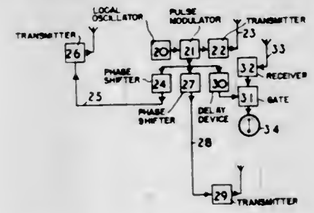
In a method of modifying the response to carburizing and quenching of hardenable steels which tend to retain austenite in the surface of an article composed thereof, after carburizing and quenching, and thus limit the surface hardness thereby obtainable, the steps of making a heat of steel containing from .11 to .18% carbon, from .53 to .87% manganese, from .55 to 1.77% nickel, from .09 to .54% chromium, and about .25% molybdenum, the balance being substantially iron with the residual elements common to such steel, adding boron to said heat while molten, in an amount from .0005 to .004%, and carburizing articles formed from said steel to increase the carbon content of the surface layer of the articles, thereby reducing the amount of austenite retained in said layer after quenching and increasing the hardness obtainable on the surface thereof.

2,585,373
DISPENSING CLOSURE FOR PAPER POWDER CONTAINERS
Harry K. Dickerman and John N. Brown, Buffalo, N. Y., assignors to F. N. Burt Company, Inc., Buffalo, N. Y., a corporation of Delaware
Application February 14, 1948, Serial No. 8,396
6 Claims. (Cl. 222—555)



1. In a dispensing closure for containers, in combination, the container having a cylindrical enclosing wall with an opening, a closure plate for said opening having one or more dispensing apertures therein and having a circumferential depending skirt flange telescoping with said enclosing wall and attached thereto to hold the closure plate stationary in closing position on the container, said closure plate being bent or folded upon itself to form a peripheral outwardly disposed double flange extending around the closure plate substantially at the juncture thereof with said skirt flange, said double flange being spaced slightly above the upper edge of said enclosing wall to form an annular recess, a controlling plate closely overlying said closure plate having one or more dispensing apertures therein and having a down-turned peripheral flange overlying and partially enclosing said double flange and having its edge portion bent to underlie the latter in said annular recess so as to hold the controlling plate in operative position and to provide a rotary support therefor whereby it can be rotated to adjust said dispensing apertures of the closure and controlling plates into alignment for dispensing, and out of alignment for closing, said down-turned peripheral flange forming a grasping bead positioned at the outer margin of the closure whereby said controlling plate can be manually rotated, one of said plates having a portion thereof offset from the other plate to provide a pocket adjacent said dispensing aperture, and a sealing disc held in said pocket between said closure plate and said controlling plate, and anchored to said controlling plate.

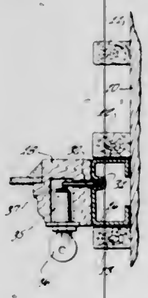
2,585,374
WIRELESS NAVIGATION SYSTEM
Robert James Dippy, Old Bexley, England
Application July 18, 1947, Serial No. 761,966
In Great Britain March 15, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 15, 1965
10 Claims. (Cl. 343—103)



1. A navigation system for mobile craft, such as aircraft, including a plurality of traffic centres each provided with a radio beacon arrangement, the beacon arrangement at each traffic centre comprising a first continuously operating

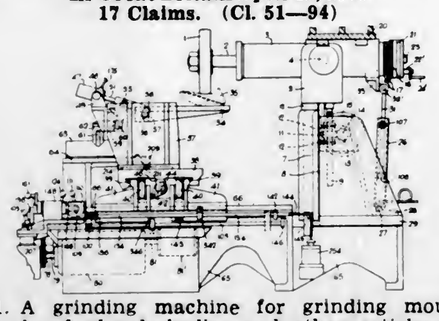
pulse-modulated radio transmitter and at least one other transmitter having means for repeating the pulse signals radiated by said first transmitter after a predetermined and constant time-delay-interval, said transmitters being spaced around and in the vicinity of the centre to or from which traffic is required to be directed and positioned in close proximity within a central area which is small in comparison with the total area covered by the beacon so that there is set up in the space around said transmitters and outside said central area a series of substantially radial course lines each characterised by a particular value of time-interval between reception of a pulse from said first transmitter and reception of the repeated or counterpart pulse from said other transmitter, said first transmitter being provided with means for modulating the width of the transmitted pulse signals in accordance with a controlled voltage which varies in accordance with an intelligence carrying signal, such as a speech signal.

2,585,375
WINDOW PIVOT AND LOCK
William A. Dixon, Bronx, N. Y.
Application October 4, 1947, Serial No. 777,969
1 Claim. (Cl. 20—49)



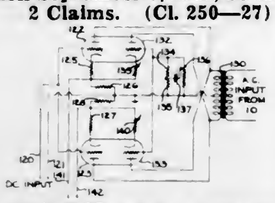
A window construction comprising a window frame having vertically extending guide elements, channels slidable in the frame and between the guide elements, said channels having respectively longitudinally extending grooves offset from the center and running continuously from one end to the other, window elements adjustable in the window frame, a pivot pin extending from each side edge of the respective window elements and into the channel, said window elements having longitudinally extending grooves in the respective side edges thereof and offset from the center of the window element edges, said grooves in the window element being offset from the pivot pin and extending continuously and substantially from the lower edge of the window element to the upper edge thereof, a long locking plate in each of the grooves of the window elements adapted to be extended therefrom and into the groove of a channel whereby to lock the window element to the channel against angular displacement a lock cylinder adapted to be operated by a key connected to each locking plate to move the same in and out of the groove in the window element out of and into engagement with the corresponding grooves of the channels and pulley weight means extending into each channel and connected to the pivot pin, said pulley weight means having a plate and spacing means on the pivot pin for holding the plate spaced from the inner face of the channel and from the groove.

2,585,376
PROFILE GRINDING OR POLISHING MACHINE
Frederic Thomas Dyer and Raymond Herbert Revett, Ipswich, England, assignors to Ransomes, Sims & Jefferies, Limited, Ipswich, England, a company of Great Britain
Application February 24, 1950, Serial No. 146,020
In Great Britain April 12, 1949
17 Claims. (Cl. 51—94)



1. A grinding machine for grinding mould boards of plough bodies and other articles of varying profile, comprising a grinding wheel having a spindle, a pivotal support for said spindle, a work table for supporting the article to be ground, pivotal supports for said work table, traversing means for reciprocating said work table relatively to said grinding wheel, a base for supporting said traversing means, feeding means for advancing and retracting said work table relatively to said grinding wheel in a direction inclined to the direction of reciprocation of said work table and means for swinging said spindle about its pivotal support for elevating and lowering said grinding wheel into an inoperative and an operative position, respectively.

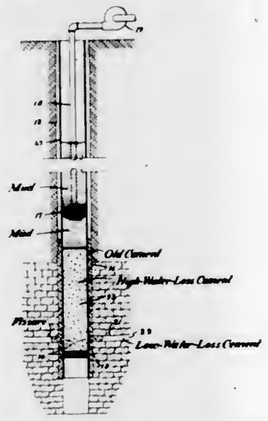
2,585,377
BALANCED ELECTRONIC INVERTER
Joseph D. Eisler and Ralph E. Hartline, Tulsa, Okla., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application September 3, 1948, Serial No. 47,742
2 Claims. (Cl. 250—27)



2. An inverter comprising a first pair of vacuum tubes each having at least one anode, cathode, and control grid, means for applying a direct-current signal voltage simultaneously and in the same polarity to the control grids of both of said tubes, a pair of cathode bias resistors each connected between the cathode of one of said tubes and ground, a pair of equal alternating voltage sources of opposite phase each connected between the anode of one of said tubes and ground, whereby signal current pulses of an amplitude proportional to said signal voltage occur alternately in the cathode bias resistors of said tubes, a second pair of vacuum tubes having characteristics substantially identical to those of said first pair, means for applying a constant voltage simultaneously to the control grids of said second pair of tubes, the cathode of each of said second pair of tubes being connected to ground through the cathode bias resistor of one of said first pair of

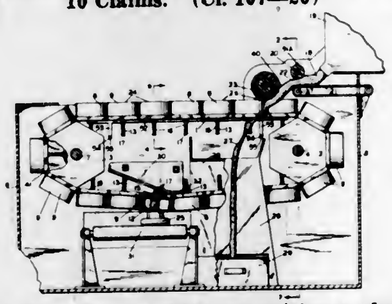
tubes, and the anode of each of said second pair of tubes being coupled to one of said alternating voltage sources whereby constant-amplitude current pulses occur alternately in said cathode resistors, the phase of the anode voltages of said first and second pair of vacuum tubes being such that said signal current pulses and said constant-amplitude current pulses occur simultaneously in opposite ones of said cathode bias resistors, and leads coupled to said cathode bias resistors for deriving an output voltage proportional to the difference between said signal current pulses and said constant-amplitude current pulses.

2,585,378
CEMENTING OF WELLS
Riley F. Farris, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application March 1, 1946, Serial No. 651,327
5 Claims. (Cl. 166—22)



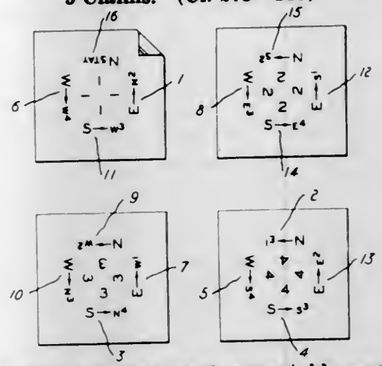
1. A well cementing method comprising introducing into a well a first hydraulic cement slurry containing a starchy material, following said first hydraulic cement slurry with a second slurry of coarsely ground hydraulic cement clinker, said second slurry being introduced into said well under pressure, whereby said second slurry will be physically dehydrated when it contacts a permeable formation in said well, and a squeeze pressure is obtained.

2,585,379
DOUGHNUT CUTTING MACHINE
Mae M. Fulmer, Portland, Oreg.
Application December 31, 1947, Serial No. 794,828
10 Claims. (Cl. 107—20)



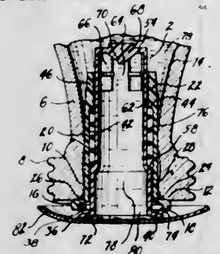
1. A doughnut machine comprising a plurality of doughnut molds connected together in an endless chain, means driving said chain, an endless belt above said chain forming a table, a roller above said table for rolling dough supplied to the table, a roller in advance of the table and over the molds for feeding the rolled dough to said molds, and means driving said table and the first-mentioned roller at a higher speed than said chain.

2,585,380
CYCLIC PROGRESSION GAME TABLE SET
Frank S. Greene, Cleveland Heights, Ohio
Application November 22, 1948, Serial No. 61,390
5 Claims. (Cl. 273—148)



1. A set of related card game table members, each of said members being provided with its own distinctive table identifying indicia thereon, each of said members being additionally provided with identical groups of indicia wherein each group identifies four card playing positions oriented to conform to corresponding positions on respective tables, each of said members also having at each playing position substitution indicia to direct the player at each of said playing positions to a playing position for each successive game.

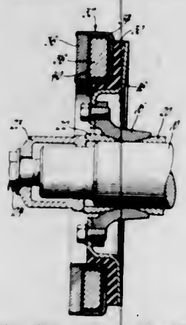
2,585,381
DISPENSING DEVICE FOR DISPENSING LIQUIDS, SEMILIQUIDS, AND POWDERS
Erich Gronemeyer, Pompton Plains, and Samuel Cherba, Totowa, N. J., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application March 4, 1948, Serial No. 12,974
11 Claims. (Cl. 222—514)



1. A dispenser comprising an outer sleeve member the inner end of which is adapted to fit into an opening in a container, a hollow plunger member having an opening adjacent its outer end located within the sleeve in sealing relation therewith and slidable longitudinally thereof, yieldable means to urge the plunger in an outward direction so that when the plunger is in its outer extended position its outer end protrudes from the outer end of the sleeve, the sleeve having at its inner end a transverse inwardly extending flange member, said flange member having an opening

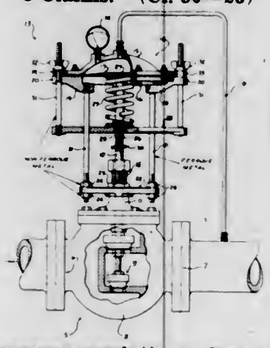
therethrough longitudinally of the sleeve, the inner end of the plunger having connected thereto a transverse closure member of the same shape as but slightly larger than the opening in the flange member, the means connecting the closure member to the plunger providing lateral openings therethrough, at least one of the group of members consisting of the flange and closure member being made of a resilient material so that the plunger may be assembled in operative position in the sleeve by thrusting the closure member through the opening in the flange after which the resilient part or parts regain their normal shape and function as a valve and also as a stop means limiting travel of the plunger in an outward direction.

2,585,382
TORSIONAL VIBRATION DAMPER
Robert W. Guernsey, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 25, 1948, Serial No. 35,272
12 Claims. (Cl. 74—574)



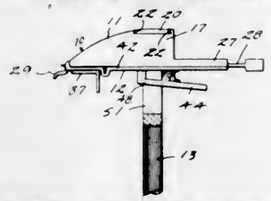
1. The combination of a shaft subject to torsional vibration, an annular support on the shaft, an annular receptacle surrounding the shaft, resilient means permanently connecting the annular receptacle to the annular support to rotate at the same average speeds, and an annular mass in said receptacle and coaxial therewith, said receptacle containing viscous fluid enveloping the annular mass and supporting it therein.

2,585,383
REGULATING VALVE
Frank S. Gussick, Milwaukee, Wis.
Application February 5, 1949, Serial No. 74,765
3 Claims. (Cl. 50—23)



1. In a pressure regulating valve, the combination of: a valve unit having a body provided with a bonnet and a valve stem projecting through the bonnet; a fluid pressure responsive regulating unit having a frame formed of complementary top and bottom members, a diaphragm clamped between said members and coacting with the top member to provide an expansible pressure chamber adapted to be connected with a fluid pressure source, and a valve actuating element bearing against the diaphragm for transmitting motion thereof to the valve stem; substantially parallel supporting rods fixed to the bottom complementary frame member of the regulating unit at one end and adapted to be removably connected to a rigid part on the valve bonnet at the other end; a crossbar slidable on the supporting rods and having the valve actuating element projecting loosely therethrough; a spring confined between the crossbar and the diaphragm; adjustable tension screws connecting the crossbar with the bottom complementary frame member of the regulating unit and holding the crossbar in a position maintaining the spring under adjustable tension; means rigidly but readily removably securing said supporting rods to a rigid part on the bonnet of the valve unit with the valve actuating element substantially in line with the valve stem; and a readily separable connection between said valve actuating element and the valve stem, whereby the entire regulating unit may be removed from the valve unit upon disconnection of the valve stem from the valve actuating element and detachment of the supporting rods from the part rigid on the valve bonnet.

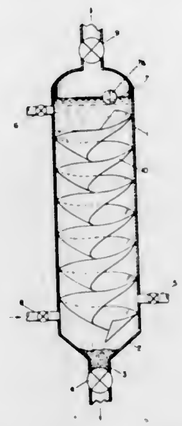
2,585,384
MAGAZINE TYPE RAZOR
Norman D. Hall, Washington, D. C.
Application March 23, 1950, Serial No. 151,504
5 Claims. (Cl. 30—40)



1. A magazine razor comprising a generally rectangular base member, said base member being formed with a plate having a downwardly swingable free end, said free end being formed with a razor edge guard portion having upwardly extending spaced protuberances, a cover carried by said base having an extended free edge disposed above said swingable free end, said cover having an under plate portion disposed above said base and spaced therefrom to form a channel extending rearwardly from said guard portion, said channel being dimensioned to pass a razor blade positioned transversely of the base and in a flat position relative thereto, a magazine disposed above said base having an open bottom communicating with said channel, a slide carried by said base having an end insertable in the channel to engage a razor blade therein and close said channel forwardly of the magazine, and latch means carried by the slide engageable with said base to secure said slide end at various blade manipulating positions.

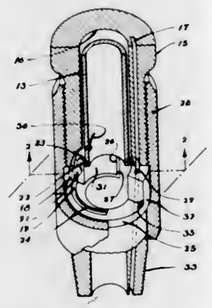
2,585,385
PRECIPITATING TOWER
John F. Haller, Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation
Application July 9, 1948, Serial No. 37,759
2 Claims. (Cl. 23—283)

1. An apparatus of the type described which comprises a vertically elongated, closed, cylindrical chamber having a gas inlet at the lower end thereof and a gas outlet at the upper end thereof, and a helical flattened member disposed within a cylindrical chamber, the outer edge of the helical member being in fixed continuous contact with the inner surface of said chamber, the width of the helical member being less than the radius of the cylindrical chamber whereby an unobstructed vertical central passage throughout the



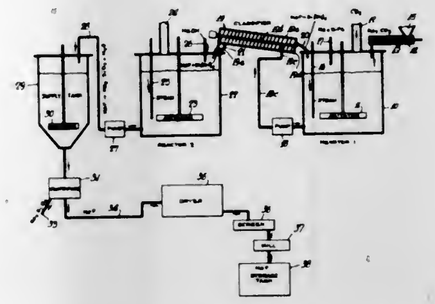
extent of the helical member within the chamber in open communication with the flights of the helical member is obtained and the inclination of the flights in the helix from the horizontal downwardly toward the axial center of the baffle is at an angle within the range of 30° to 60°.

2,585,386
METHOD AND APPARATUS FOR CORING WELLS
Ralph L. Hendrickson, Hobbs, N. Mex., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application June 26, 1947, Serial No. 757,266
14 Claims. (Cl. 255—1.4)



1. The method of taking core samples of formations being penetrated by a bit including the steps of flowing a core barrel by direct circulation to a position adjacent the bit, releasably latching said core barrel adjacent said bit, cutting a core and collecting said core in said core barrel while maintaining reverse-circulation drilling, releasing said core barrel and flowing said core barrel containing said sample to the surface of the earth while continuing said reverse-circulation drilling.

2,585,387
PRODUCTION OF SODIUM FLUORIDE
Edward A. Heisler, Folsom, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application July 8, 1950, Serial No. 172,637
5 Claims. (Cl. 23—88)



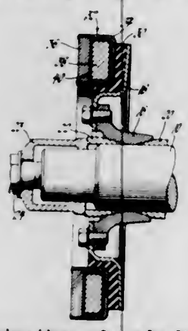
4. A continuous process for producing sodium fluoride which comprises continuously maintaining in a first reaction zone a reaction mixture consisting essentially of the reactants, sodium fluosilicate and soda ash and the reaction products, sodium fluoride and silicic acid, at a temperature of from 150° to 220° F.; continuously agitating said reaction mixture while continuously adding said reactants thereto in amounts sufficient to maintain the reaction mixture at a pH of from 6 to 9; continuously withdrawing a portion of the reaction mixture containing chiefly sodium fluoride and silicic acid; continuously classifying the portion of the reaction mixture thus withdrawn into two parts one of which contains larger crystals of sodium fluoride and the other smaller crystals of sodium fluoride; continuously returning the part of the reaction mixture thus withdrawn containing the smaller crystals of sodium fluoride to said reaction mixture for further growth of the said smaller crystals of sodium fluoride; continuously passing the remainder of the reaction mixture thus withdrawn containing the larger crystals of sodium fluoride into a second reaction zone; continuously adding sodium hydroxide to the second reaction zone in amounts sufficient to neutralize all of the silicic acid introduced into said second reaction zone; continuously maintaining the reaction mixture in the second zone at a temperature of from 150° to 220° F. while continuously agitating this reaction mixture in the second zone; continuously removing the reaction mixture containing chiefly sodium fluoride, sodium silicate and water from the said second zone; and separating sodium fluoride crystals from the sodium silicate.

2,585,388
PREPARATION OF 2-MERCAPTOIMIDAZOLES
Reuben G. Jones, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application November 17, 1948, Serial No. 60,631
4 Claims. (Cl. 260—309)

1. The method of preparing 2-mercaptoimidazoles which comprises heating a 2-mercapto-5-carboxyimidazole between the temperature of its melting point and a temperature of about 270° C. to produce decarboxylation of the 2-mercapto-5-carboxyimidazole, and recovering the imidazole compound which is produced.

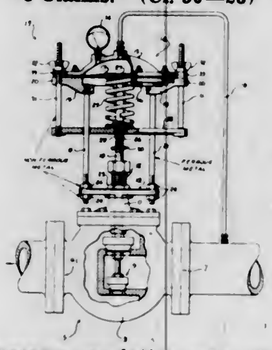
therethrough longitudinally of the sleeve, the inner end of the plunger having connected thereto a transverse closure member of the same shape as but slightly larger than the opening in the flange member, the means connecting the closure member to the plunger providing lateral openings therethrough, at least one of the group of members consisting of the flange and closure member being made of a resilient material so that the plunger may be assembled in operative position in the sleeve by thrusting the closure member through the opening in the flange after which the resilient part or parts regain their normal shape and function as a valve and also as a stop means limiting travel of the plunger in an outward direction.

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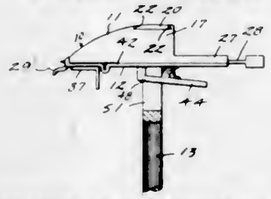
1. The combination of a shaft subject to torsional vibration, an annular support on the shaft, an annular receptacle surrounding the shaft, resilient means permanently connecting the annular receptacle to the annular support to rotate at the same average speeds, and an annular mass in said receptacle and coaxial therewith, said receptacle containing viscous fluid enveloping the annular mass and supporting it therein.

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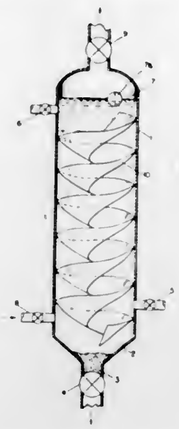
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5 Claims. (Cl. 30—40)



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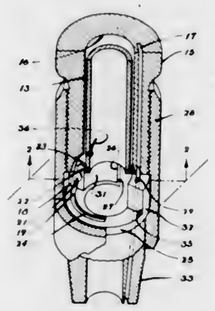
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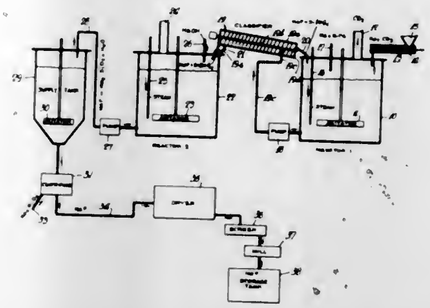
extent of the helical member within the chamber in open communication with the flights of the helical member is obtained and the inclination of the flights in the helix from the horizontal downwardly toward the axial center of the baffle is at an angle within the range of 30° to 60°.

2,585,386
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Ralph L. Hendrickson, Hobbs, N. Mex., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
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14 Claims. (Cl. 255—1.4)



1. The method of taking core samples of formations being penetrated by a bit including the steps of flowing a core barrel by direct circulation to a position adjacent the bit, releasably latching said core barrel adjacent said bit, cutting a core and collecting said core in said core barrel while maintaining reverse-circulation drilling, releasing said core barrel and flowing said core barrel containing said sample to the surface of the earth while continuing said reverse-circulation drilling.

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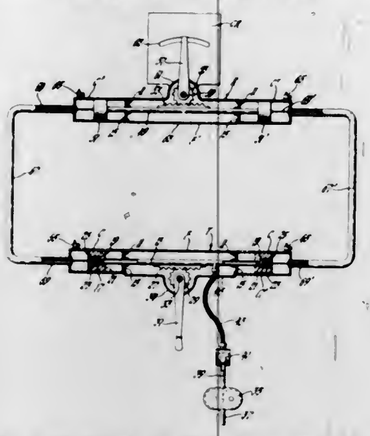


4. A continuous process for producing sodium fluoride which comprises continuously maintaining in a first reaction zone a reaction mixture consisting essentially of the reactants, sodium fluosilicate and soda ash and the reaction products, sodium fluoride and silicic acid, at a temperature of from 150° to 220° F.; continuously agitating said reaction mixture while continuously adding said reactants thereto in amounts sufficient to maintain the reaction mixture at a pH of from 6 to 9; continuously withdrawing a portion of the reaction mixture containing chiefly sodium fluoride and silicic acid; continuously classifying the portion of the reaction mixture thus withdrawn into two parts one of which contains larger crystals of sodium fluoride and the other smaller crystals of sodium fluoride; continuously returning the part of the reaction mixture thus withdrawn containing the smaller crystals of sodium fluoride to said reaction mixture for further growth of the said smaller crystals of sodium fluoride; continuously passing the remainder of the reaction mixture thus withdrawn containing the larger crystals of sodium fluoride into a second reaction zone; continuously adding sodium hydroxide to the second reaction zone in amounts sufficient to neutralize all of the silicic acid introduced into said second reaction zone; continuously maintaining the reaction mixture in the second zone at a temperature of from 150° to 220° F. while continuously agitating this reaction mixture in the second zone; continuously removing the reaction mixture containing chiefly sodium fluoride, sodium silicate and water from the said second zone; and separating sodium fluoride crystals from the sodium silicate.

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Reuben G. Jones, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
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4 Claims. (Cl. 260—309)

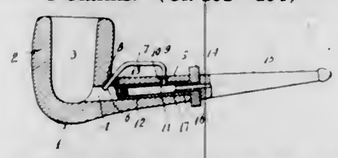
1. The method of preparing 2-mercaptoimidazoles which comprises heating a 2-mercapto-5-carboxyimidazole between the temperature of its melting point and a temperature of about 270° C. to produce decarboxylation of the 2-mercapto-5-carboxyimidazole, and recovering the imidazole compound which is produced.

2,585,389
HYDRAULIC CONTROL
Howard H. Kehrl, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 11, 1950, Serial No. 149,055
5 Claims. (Cl. 60—54.5)



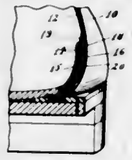
1. In apparatus of the type described, the combination of transmitter and receiver cylinder means, each having piston means movable therein, one piston means having a fluid passage extending between the ends and forming outwardly facing valve seats adjacent the ends, valves cooperating with the seats, a source of hydraulic fluid make-up pressure, a fluid supply connection interconnecting the pressure source with the piston means fluid passage intermediate the valve seats, a fluid conduit interconnecting one end of each of the cylinder means, another conduit interconnecting the other end of each of the cylinder means and a flexible wire in each conduit interconnecting each valve with the other piston means to normally position the valves on the valve seats when both piston means are in phase, said wires acting in tension and buckling under compression upon out-of-phase movement of the two piston means to admit fluid make-up pressure to the cylinder means and conduits to compensate for leakage of fluid therefrom and bring the two piston means back in phase.

2,585,390
SMOKING PIPE
Clarence F. Knight, McGrann, Pa., assignor of one-half to William R. Anderson, Kittanning, Pa.
Application February 17, 1949, Serial No. 77,000
3 Claims. (Cl. 131—194)



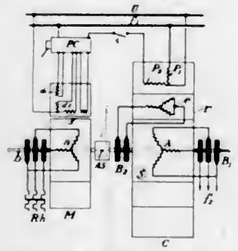
1. A smoking pipe comprising a bowl and a stem member having a longitudinal bore therein, said bowl having a hollow, bowl-shaped interior communicating with said longitudinal bore in the stem member, by-pass means one end of which enters the bore adjacent the junction of the bowl and stem member, a transverse slot in the stem member adjacent the end of said stem member through which the opposite end of the by-pass means enters the bore, rotatable reservoir means extending into the bore beyond the point at which said opposite end enters the bore, said reservoir means having an external diameter substantially equal to the diameter of the bore, an opening in said reservoir means to receive said opposite end of the by-pass means, a knurled end on said reservoir means extending above the external periphery of the stem member by means of which the reservoir means may be turned within the bore thereby locking the by-pass means in the stem member, and hollow bit means having a shank portion adapted to enter the reservoir at the knurled end.

2,585,391
SHOE
William L. Knipe, Haverhill, Mass.
Application May 27, 1950, Serial No. 164,730
6 Claims. (Cl. 36—8.5)



1. A shoe comprising an upper and a lining therefor, said lining having a portion at the shank region of the shoe molded to provide a recess therein of predetermined shape and depth at that side of the lining which is toward the upper and to provide a generally flat protuberance of corresponding shape on that side of the lining which is exposed interiorly of the shoe, and a resiliently compressible cushioning element substantially filling said recess and having thickness approximating the depth of the recess with its edges butted against the edge walls of the recess.

2,585,392
MONOPOLYPHASE FREQUENCY CONVERTER GROUP
Pierre Letrilliart and Louis Galzin, Jeumont, Nord, France, assignors to Forges & Ateliers de Constructions Electriques de Jeumont, Paris, France, a French body corporate
Application March 15, 1949, Serial No. 81,518
In France March 19, 1948
6 Claims. (Cl. 321—7)

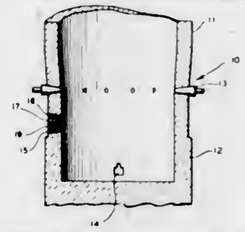


1. In a system for energizing multiple phase load motors from single phase mains by a conventional frequency convertor set formed by a polyphase driving motor capable of operating as a generator and a frequency convertor having a polyphase stator, a polyphase main rotor with output slip-rings driven by said motor and an intermediate freely revolving rotor with a direct current field winding, means for starting and controlling in both directions the speed of said frequency convertor, comprising means for partial interconnection of the polyphase stator windings of said driving motor and of said convertor with said mains, and switching devices adapted to interconnect separately the remaining parts of both said stator windings, whereby a regular rotating field is produced in said driving motor.

2,585,393
PLASTIC ALLOY WHICH SETS AT ROOM TEMPERATURE
John P. Lyle, Jr., New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 16, 1951, Serial No. 211,430
2 Claims. (Cl. 75—170)

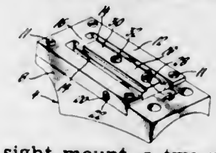
1. An alloy composed essentially of 49 to 74% nickel, 25 to 45% gallium and 0.5 to 7.5% silicon.

2,585,394
BLAST FURNACE
Alexander J. Macdonald, Buffalo, N. Y., assignor to National Steel Corporation, a corporation of Delaware
Application February 2, 1949, Serial No. 74,062
7 Claims. (Cl. 75—41)



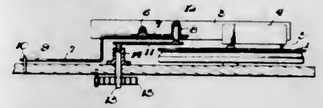
1. In the method of bringing in a banked blast furnace having a relatively lower, closed iron notch and a relatively higher cinder notch containing an annular, water-cooled, outer cinder notch cooler as the only water-cooled element in the cinder notch, the steps comprising closing the cinder notch cooler with a carbon plug having a passage therethrough filled with refractory material, the carbon plug extending at least the full length of the cinder notch cooler, operating the furnace to produce molten slag and metal, removing the refractory material from the carbon plug passage and tapping both molten slag and molten metal through the plug passage while the iron notch is maintained closed, said plug protecting the cinder notch cooler against attack by the molten slag and iron.

2,585,395
GUN SIGHT MOUNTING
Edward J. Martin, Pleasant Ridge, and James E. Wilson, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 28, 1947, Serial No. 788,550
1 Claim. (Cl. 33—56)



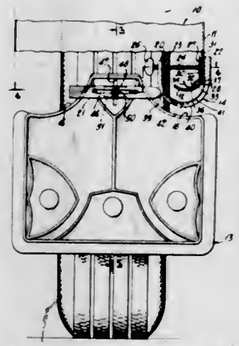
In a gun sight mount, a two part base rigidly secured to a gun, said first part of said base having longitudinal parallel spaced slots to provide a longitudinal central tongue member and side arms, said tongue member secured to the first part of said base by only a narrow neck, opposed screw means in the arms adjacent the outer end of the tongue and bearing thereagainst to force the same to a desired position horizontally and lock it, vertical screw means in the outer end of the tongue bearing against the second part of the base to vertically adjust the tongue and means for detachably securing sighting means to the tongue.

2,585,396
GRAMOPHONE TONE ARM MOVING DEVICE
José Soler Martín, Buenos Aires, Argentina
Application February 7, 1947, Serial No. 727,100
In Spain January 22, 1947
2 Claims. (Cl. 274—23)



2. In a gramophone, the combination, comprising, a support, a turntable rotatable on the support, a crank member including upwardly and downwardly extending arms and having said latter arm pivotally mounted in the support, spring means for biasing the crank member to urge its upwardly extending arm toward the axis of the turntable, a second member having a socket at one end for pivotally receiving the said upwardly extending arm, cooperating guide means respectively on the end of said second member opposite the socket and said support, and a pick-up arm connected to said second member by a horizontal pivot.

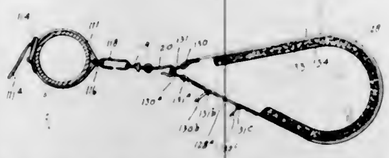
2,585,397
AUTOMOBILE FENDER FLAP CLAMP
William McCollum, Jr., Westfield, and James Moore Wallace, Rahway, N. J., assignors to Tingley Reliance Rubber Corporation, a corporation of New Jersey
Application September 23, 1949, Serial No. 117,332
13 Claims. (Cl. 280—154.5)



1. A clamp for attachment to a fender, including a U-shaped frame having a section curved therealong, one of the legs of said frame defining a fixed clamping jaw, a movable clamping jaw supported on said frame for movement with respect to and clamping cooperation with said fixed jaw, an arm for supporting a fender flap having a section at one end engaging said curved frame section and adjustable therealong to vary the angularity of said arm with respect to said

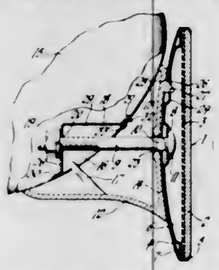
frame, and a releasable connection between said arm section and said curved frame section for locking said arm and said frame in relatively adjusted position.

2,585,398
LEG SUPPORT FOR VEHICLE DRIVERS
John W. McIlwraith, New Castle, Pa.
Application August 12, 1948, Serial No. 43,912
7 Claims. (Cl. 155—165)



4. A driver's leg rest structure for a vehicle, comprising an adjustable strap for vehicle attachment, a leg embracing member including a flexible metal band and a padded portion covering the interior face thereof, and linkage connecting said strap and said band, said linkage including a deformable element responsive to a predetermined amount of tensional force to effect band release.

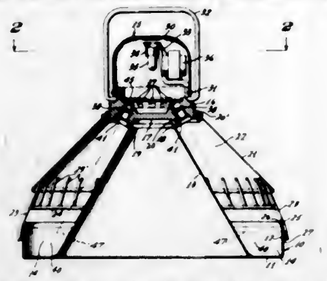
2,585,399
SPOT LAMP MIRROR
Howard C. Mead, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 14, 1948, Serial No. 27,072
4 Claims. (Cl. 240—4.2)



1. In combination, a spot lamp having a spheroidally curved outer casing, a mirror body, means for securing the mirror body to the lamp casing in offset relation to the longitudinal axis of the spot lamp, including a generally triangular-shaped bracket having angularly adjacent portions in surface contact with the lamp casing and mirror body respectively, said bracket having a third portion extending through the wall of the lamp casing, and a tension member having locking engagement with the mirror body and the lamp casing said third portion and tension member engaging opposite ends of an elongated aperture in said lamp casing.

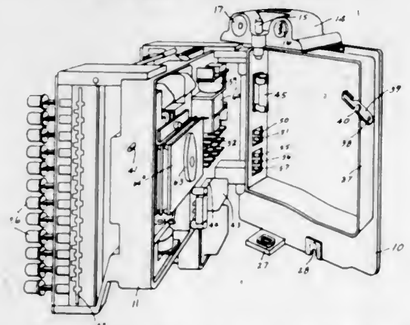
2,585,400
FEEDER FOR FOWL
Clyde M. Morton, Hawthorne, Calif.
Application July 30, 1948, Serial No. 41,626
16 Claims. (Cl. 119—51)

1. A feeding device for young fowl comprising a tray having a length substantially greater than the breadth thereof, a spot source of illumination, a closed container for said source of illumination mounted above the tray provided with a plurality of light outlets from said closed container facing different parts of the tray and including means operatively associated with said



outlets adapted to direct portions of said spot source of illumination upon a plurality of spots in said tray.

2,585,401
WALL BOX FOR REMOTE CONTROL SYSTEMS
Fred H. Osborne, Snyder, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation
Application October 23, 1947, Serial No. 781,674
2 Claims. (Cl. 174—52)



1. A wall box structure supporting and enclosing selecting and controlling circuit controlling switch mechanism comprising a flat supporting back base; an intermediate frame swingably and removably supported on said base and supporting on its opposite faces circuit controlling operated parts; sub supporting frames supported on the front face of said swingable frame at the opposite edges thereof; circuit controlling switch members carried by said supporting sub frames and a cover member having side and end walls embracing said frames and having openings in its face to accommodate the last mentioned circuit controlling switch members.

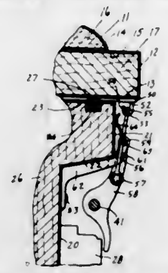
2,585,402
BLADE FOR HONES
John J. Palotsee, Youngstown, Ohio
Original application November 12, 1946, Serial No. 709,177, now Patent No. 2,443,268, dated June 15, 1948. Divided and this application February 27, 1948, Serial No. 11,380
7 Claims. (Cl. 51—204)



1. In a hone, a blade having an arcuate outer face and having aligned countersunk tapped

bores; countersunk screws engaging said bores; an arcuate holder plate on the outer face of the blade having open aligned conical offset portions on its under side receiving the countersunk heads of said screws passing through the offset portions, and honing stones adhesively secured to the holder plate and having access openings therethrough opposite the offset portions.

2,585,403
CASKET SEAL STRUCTURE
Benjamin F. Paul, Elwood, Ind.; Mildred H. Paul, administratrix of said Benjamin F. Paul, deceased
Application September 22, 1949, Serial No. 117,173
2 Claims. (Cl. 292—247)



2. A latch mechanism for a casket having cooperable lid and body sections, comprising a plurality of hooks secured at spaced intervals to one side of said lid section, an inverted substantially U-shaped member for each hook having its free ends turned in to form pivot bearings, the base of each member being operably engageable with its adjacent hook, a plurality of U-shaped brackets secured to said body section and having pivot bearings formed in their respective free ends, a plurality of over-center type levers each being pivotally associated intermediate its ends with said first mentioned pivot bearings, the upper end of each lever being pivotally associated with said second mentioned pivot bearings, the lower portion of each lever having an aperture formed therethrough at a point inwardly of said pivotal connections, a longitudinal bar sized for telescopic reception within said lever apertures, and resilient means carried by the respective arms of each of said inverted members, said means having an inwardly and upwardly directed portion engageable with said body section when the latch mechanism is in closed position for normally constraining said respective inverted members into hooking position.

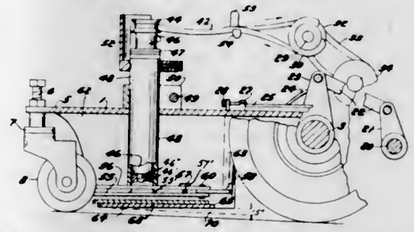
2,585,404
DEVICE FOR INTRODUCING SOLID MATERIALS INTO MOLTEN METALS
Earl W. Pierce, Chicago, Ill., assignor to United States Steel Company, a corporation of New Jersey
Application March 6, 1950, Serial No. 147,787
1 Claim. (Cl. 266—34)

A device for introducing deoxidizers to molten steel in ladles comprising an elongated steel billet, an attachment eye on the upper end of said billet for suspending the device from an overhead crane, and a container having perforated side walls, a bottom wall, and a top wall, said top wall having a passage receiving the lower end of said billet, means extending from the sides of said billet below said top wall for holding said top wall from slipping past the lower end of said billet, and a pair of rods extending across the side walls adjacent their upper end above said top wall, said billet being of a length to extend from an over-



head crane to well below the top of a ladle and having sufficient weight and density to hold the container and its contents submerged.

2,585,405
DISK-TYPE LAWN MOWER
Harry E. Reiter, Bowling Green, Ohio
Application November 18, 1948, Serial No. 60,714
2 Claims. (Cl. 56—25.4)

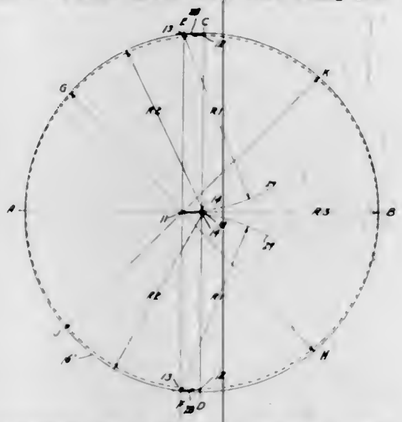


1. A mower deck, a pair of vertically independently adjustable shafts thru the deck, driving means for rotating the shafts toward each other, two pair of spaced disks having peripheral yieldable portions, each pair of disks forming a unit, one of said units being fixed with each shaft with radial spacing between the units, there being a plurality of radially extending openings in proximity to the unit periphery, blades having pivot bearing openings and insertable between the disk of a unit for registering with said unit openings, and assembly pins in the openings in which assembly a pin is radially shiftable in two registering openings of a unit to flex the disk unit yieldable periphery portions toward the blade in frictionally holding the pin with the blade pivoted for freely swinging radially outward from the periphery of the unit upon driving means rotation of the shafts.

2,585,406
SOLID CROSS VANE ROTARY PUMP
Lee T. Reynolds, Denver, Colo., assignor of five per cent to Benjamin N. Tager, Los Angeles, Calif.
Application August 4, 1947, Serial No. 765,830
2 Claims. (Cl. 103—138)

1. A rotary pump or compressor comprising: a housing having a pumping chamber of gen-

erally oval contour, said housing having an inlet port leading to said pumping chamber and an outlet port leading from said pumping chamber; a rotatable cylindrical rotor within said pumping chamber arranged to contact the wall of said pumping chamber at a predetermined point on a theoretical line extending axially of said pumping chamber, the point of theoretical line contact being disposed between said inlet and said outlet ports; and diametrically extending vanes slidably mounted in said rotor and having ends adapted to contact the inner wall of said pumping chamber, the diameter of said pumping chamber at said theoretical line being less than



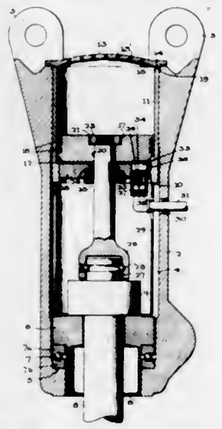
the diameter on a second diametric line positioned at right angles to the theoretical line and intersecting the axis of said housing, the arcuate sides of said pumping chamber at the extremities of the second diametric line being each concentric to an individual secondary center, the individual secondary centers being spaced equally on opposite sides of said theoretical line and lying in said second diameter, the distance between said theoretical line and each of said secondary centers being equal to the distance a tangent line having a length equal to the amount of eccentricity of said pump would deviate from a true circle at its extremity.

2,585,407
SPRAY BOOTH WASH AND A PROCESS OF MAKING IT
George A. Rives, Dearborn, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application April 6, 1948, Serial No. 19,443
3 Claims. (Cl. 106—213)

3. The reaction product resulting from dissolving starch and formaldehyde in water, heating the water, starch, formaldehyde mixture, and thereafter adding an alkali metal hydroxide to said mixture, the proportions by weight of the several constitutents being substantially as follows: starch 0.5% to 5%, formaldehyde (38–40% solution), 2.5% to 20%, alkali metal hydroxide 5% to 20% and the balance to make 100%, water.

2,585,408
LINER PACKAGE FOR HOOKS
Claude McInnis Roberson, Shreveport, La.
Application October 2, 1950, Serial No. 188,031
2 Claims. (Cl. 294—88)

1. An oil well hook assembly comprising a hook body whose walls form a cylinder therein, a cylinder liner positioned within said cylinder having an outer portion in frictional engagement with the cylinder wall and constrained against inward movement within the cylinder, a piston in said outer portion, a partition extending across the outer portion inwardly of the piston, a piston rod secured to said piston and extending therefrom through the partition, sealing means between the piston rod and the partition, the piston rod, the partition, and the sealing means defining one end, and the piston defining the opposite end, of an expansible fluid chamber in the outer portion of the cylinder liner, means for admitting fluid under pressure to said expansible chamber, a hook having a shank connected thereto with its distal portion extending into the cylinder, said shank having an enlarged portion within the cylinder, a bearing member rotatably supported on

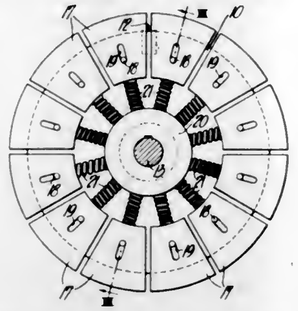


the wall of the cylinder for supporting said enlarged portion of the shank, the end of the shank inwardly of the enlarged portion having a peripheral slot formed thereon, the free end of the piston rod having a cap portion fitting over the inner end of the hook shank, said cap portion having a peripheral slot in its inner face complementary with the slot on said end of the hook shank and bearings positioned in said complementary slots to allow rotatable movement of the hook shank relative to the piston rod, said cylinder liner also having a cylindrical skirt depending from said outer portion thereof having its distal end positioned adjacent said bearing member inwardly thereof to prevent inward movement of said bearing member, whereby admission of fluid under pressure to said expansible chamber causes an upward force to be exerted on the hook.

2,585,409
METHOD FOR PREPARING GAMMA-ETHYL-GAMMA-METHYLPIMELATES
Margaret I. Robinson, Philadelphia, and Robert W. Auten, Jenkintown, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 5, 1949, Serial No. 85,734
1 Claim. (Cl. 260—485)

A method of preparing gamma-ethyl-gamma-methylpimelates which comprises treating gamma-acetyl-gamma-methylpimelic acid with an excess of an alkali metal hydroxide in the presence of a high-boiling organic solvent, adding an excess of hydrazine hydrate thereto, and heating the resulting mixture, with removal of water and excess hydrazine hydrate, up to 195° C.–220° C.

2,585,410
STAMPING WHEEL
Charles W. Schott, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application July 1, 1948, Serial No. 36,511
2 Claims. (Cl. 101—28)



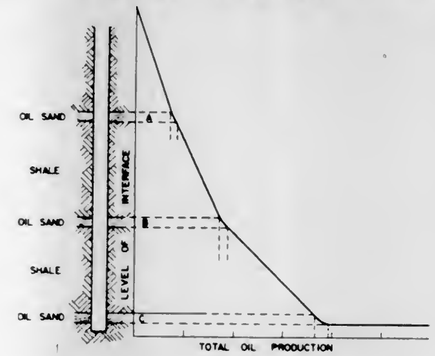
1. A stamping wheel for imprinting marks in the surface of moving articles comprising a disk, dies affixed to said disk at the circumference thereof, means rotatably mounting said disk in position for the dies to engage passing articles, a hub adjacent said disk, a plurality of buffer segments, means on said disk supporting said segments for radial sliding movement on the face of said disk, said segments forming a circular series spaced radially from said hub, compression springs between said hub and said segments urging the latter outwardly, said segments normally protruding from the circumference of said disk beyond said dies to contact articles ahead of said dies and being retractible to enable the dies subsequently to engage the articles, a retaining plate over said hub and said segments, and means retaining said disk, said hub and said retaining plate in assembled relation.

2,585,411
SURFACE CONTROL SYSTEM
Carl Schultz, Milford, and Samuel Avena, Stratford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 8, 1946, Serial No. 689,082
9 Claims. (Cl. 244—82)



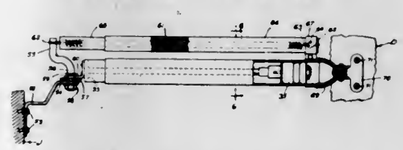
1. In an airplane, a main wing, two control surfaces mounted for pivotal movement on opposite sides of said main wing, a leading tab pivotally mounted on each control surface, a control member for operating said surfaces and said tabs, means for operatively connecting said control member with said surfaces and tabs for normally deflecting the same simultaneously and in the same direction, said surfaces being deflected relative to the main wing and said tabs being deflected relative to their respective control surfaces, resilient spring struts in said operative connections between said member and said surfaces for permitting a limited movement of said member relative to said surfaces under conditions of high air loads on the latter, and connective linkage between said spring struts and said tabs associated with said operative connections and moved in response to such relative movement of the control member for moving said tabs contra to their leading tendency.

2,585,412
WELL PRODUCTIVITY LOGGING
Daniel Silverman, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application April 29, 1950, Serial No. 158,950
7 Claims. (Cl. 23—230)



1. A method for determining the location of an oil-producing formation in a well containing brine comprising introducing a brine-immiscible selective solvent into said well to a depth above said formation, said solvent being heavier than said brine, producing an interface therebetween, and forming with the oil from said formation a solvent-in-oil phase lighter than said brine, producing said well to cause said formation to produce oil into said well, and as said well is produced locating the position of said interface with respect to a parameter that varies as the amount of oil produced by said well which position represents a log of said well whereby said oil-producing formation may be located.

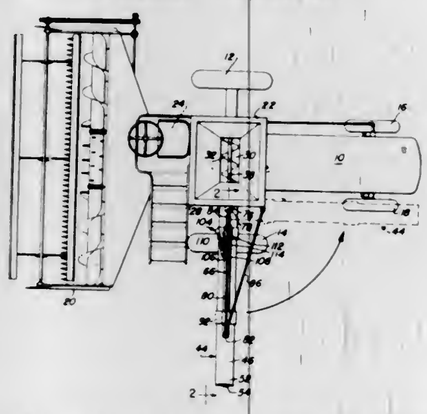
2,585,413
DOOR CLOSER
Herbert A. Simpson, Ionia, Mich., assignor to Charles W. Yerger, Southbury, Conn.
Application July 5, 1947, Serial No. 759,062
3 Claims. (Cl. 16—66)



1. In a door closer, extensible check means, brackets adapted to connect the ends of said check means to a door and to a door jamb respectively, the bracket at one end of said check means being provided with an upstanding ad-

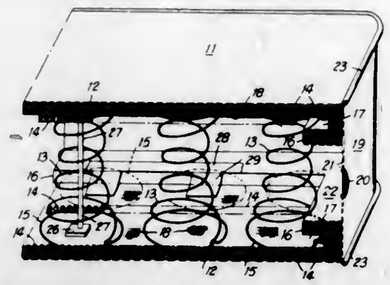
justable anchor arm, the other end of said check means having a hook and means for securing the hook thereto, an extension spring having its respective ends secured to said anchor arm and to said hook, said anchor arm comprising an offset portion rotatably received in its respective bracket, means swingably attaching said one end of said check means to said offset portion, said offset portion being provided with means for adjustably clamping said portion against rotation, whereby the direction of the effective force of said extension spring may be varied.

2,585,414
CONVEYER
Otto A. Steffens, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 30, 1950, Serial No. 187,782
12 Claims. (Cl. 198—64)



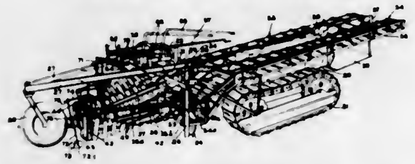
1. In a material-handling machine having a storage receptacle including a bottom and an upright wall formed with a circular opening positioned adjacent the bottom and bordered by an outwardly extending annular flange, and auger means within the receptacle at the bottom thereof and coaxial with the opening and having an outer end exposed through the opening, the improvement comprising: an elongated cylindrical conveyor housing normally positionable as a substantially coaxial, outward extension from the discharge opening and having an inner receiving end and an outer discharge end; means at the inner end of the housing providing an axially separable material-transfer coupling with the annular flange of the receptable opening; an auger conveyor rotatable in the housing and having an inner end exposed at the inner end of the housing; bearing means in the housing fixing the housing auger against axial shifting relative to the housing; means on the inner end of the housing auger providing an axially separable drive connection with the outer end of the receptacle auger; a support having means for pivotal mounting on the receptacle to extend selectively normally outwardly from the receptacle in the direction of the housing or to lie folded about said pivot means alongside the receptacle wall; means slidably sustaining the housing on the support for movement of the housing axially outwardly sufficiently to separate the material transfer coupling so that the inner end of the housing is axially clear of the annular flange about the receptacle opening and further to axially separate the drive connection between the augers, whereby the housing and housing auger may be swung with the support to its folded position; and control means for selectively moving the housing inwardly or outwardly on the support.

2,585,415
REVERSIBLE CUSHION DEVICE
William Alfred Toms, High Wycombe, England
Application June 21, 1949, Serial No. 100,330
In Great Britain March 31, 1948
5 Claims. (Cl. 155—179A)



3. A reversible cushion device of the character set forth, comprising two similar sheets of cellular rubber material, an assembly of coiled springs interposed between said sheets to space them apart, protective material provided between said sheets and the springs of said assembly, said sheets having pre-formed peripheral channels opening inwardly, the end coils of said springs adjacent to the peripheries of said sheets being partly enclosed in their peripheral channels, and an outer casing enclosing said sheets and assembly, the sides of said casing being apertured for circulation of air between said sheets.

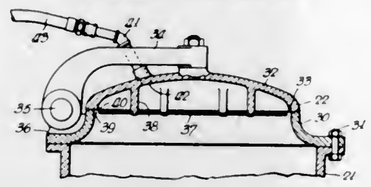
2,585,416
CELERY HARVESTER
Frank P. Weld, John G. Weld, and Joseph E. Weld, Red Wing, Minn.
Application May 25, 1949, Serial No. 95,314
8 Claims. (Cl. 55—107)



1. A celery harvester comprising a supporting structure adapted to be connected to a mobile vehicle with a portion extending forwardly of the vehicle, a drive means on the vehicle, a stationary laterally convex cutting blade for each row being cut, having a forwardly extending curved cutting edge, mounted on the forwardly extending portion of the structure, the blade when in use being disposed slightly below the surface of the ground to engage and cut the stalk of celery below the ground level, a conveyor mechanism mounted on the forwardly extending portion comprising a pair of coacting endless conveyors for each cutting blade and connected to the drive means, vertical shafts mounted on the forward end of the forwardly extending portion, the conveyors of each pair having their inner runs disposed in substantially closely spaced relationship to each other throughout their entire length, the forward ends of each of the conveyors being disposed in upstanding relation about the vertical shafts and closely adjacent the cutting

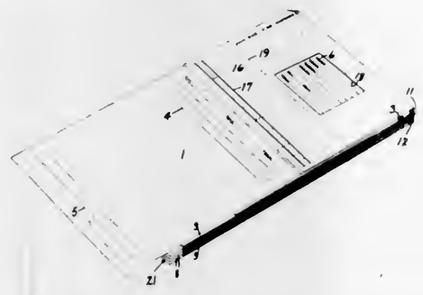
edge of the blade, the conveyors extending rearwardly from the cutting blade, a horizontal arm connected to one of the vertical shafts and extending forwardly thereof, a guage shoe connected to the horizontal arm and means to adjust the connection between the gauge shoe and the horizontal arm to vary and control the depth to which cutting blade is disposed, whereby as the cutting edge of each blade engages and cuts the stalk, the stalk is simultaneously gripped by the conveyors and carried rearwardly by the conveyors to subsequent collection.

2,585,417
PREVENTION OF LEAKAGE OF MAKE GAS FROM STACK VALVE OF A COMBUSTIBLE GAS GENERATING SET
Thomas Brooks Williams, Taunton, Mass., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application April 13, 1948, Serial No. 20,776
1 Claim. (Cl. 48—87)



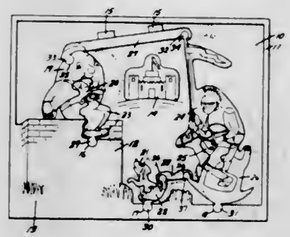
A stack valve for a stack provided with a gas off-take and a stack opening independent of said gas off-take, a seating surface surrounding said stack opening, a stack valve lid in the shape of a dished member having a peripheral edge for seating on said seating surface, a plate on the under side of said lid secured thereto and having its peripheral edge spaced from the inner peripheral edge of said lid to provide an annular clearance between said edges, and an inlet for supplying steam to the inside of said lid for flow through said annular clearance when said stack valve lid is seated on said seating surface.

2,585,418
SELECTIVE TRANSFER MANIFOLDING ASSEMBLY
Rodney W. Winston, Berkeley, Calif., assignor to Moore Business Forms, Inc., Emeryville, Calif., a corporation of Delaware
Application October 29, 1948, Serial No. 57,177
2 Claims. (Cl. 282—24)



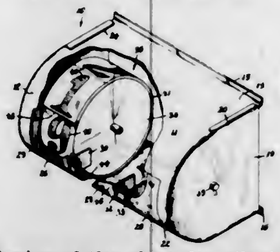
1. In a manifolding assembly, in combination, a plurality of record sheets, and transfer sheets interposed between certain of said record sheets, binding means along one edge of the assembly serving to at least temporarily secure adjacent co-terminous superposed edges of said record and transfer sheets together, said binding means including a permanent attachment between two of the upwardly disposed record sheets which have no transfer sheet between them, said permanent attachment being disposed adjacent said assembly edge but spaced slightly therefrom, said last named two record sheets thus forming a unitary document; all of said record sheets extending outwardly beyond the outer edges of said transfer sheets whereby there is provided means for simultaneously detaching all of said record sheets including said document and the underlying ones from the binding means and de-collating them from the transfer sheets while the transfer sheets remain attached to said binding means, said permanent attachment retaining said two document sheets permanently together after detachment thereof from said binding means by operation of said detaching means, said permanent attachment being the sole means for connecting the two sheets of said unitary document; and an auxiliary record sheet bound in said binding means and positioned at the top of the assembly immediately above the upper sheet of said unitary document without any transfer sheet between them, said auxiliary record sheet having an appropriately designated record-receiving space positioned above said document and so that inscriptions made thereon will be selectively transferred to record sheets underlying said document and above each of which underlying sheets a transfer sheet is disposed, but will be omitted from both sheets of said unitary document; said auxiliary record sheet having the inscribing opening through which original inscriptions may be made directly on the upper sheet of said document, said last named original inscriptions also being transferred to underlying record sheets but not to the second sheet of said unitary document.

2,585,419
ANIMATED JIGSAW PUZZLE
Dominic A. Zarlengo, Denver, Colo.
Application October 1, 1949, Serial No. 119,081
4 Claims. (Cl. 273—157)



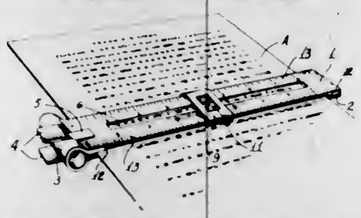
1. An animated jig-saw puzzle comprising; a backing board, flat fixed picture portions mounted in spaced predetermined positions on the front face of said board, a plurality of picture units lying flat against said backing board in the same plane as the fixed picture portions and capable of oscillatory movement, coacting means between the movable picture units and the respective fixed picture portions to rockably connect the units to the respective fixed picture portions, and means operatively connecting the movable units to one another for causing all of said movable units to oscillate on said backing board when one of said movable units is manually oscillated.

2,585,420
ADJUSTABLE MECHANICAL PRICE MARKER
Lawrence R. Ailes, Connersville, Ind.
Application July 2, 1948, Serial No. 36,640
10 Claims. (Cl. 40—68)



1. In a device of the class described, a housing including a generally U-shaped resilient sheet comprising a curved base and a pair of substantially parallel legs each terminating in a flange projecting away from the companion leg, the curved base of said sheet being provided with window means, end plates associated with said sheet, each end plate being integrally attached to said base but loose with respect to at least one of said legs and further being provided with means cooperating with said legs to limit separation of said legs without limiting movement of said legs toward each other, journal means supported in said housing and extending past said window means, and a wheel mounted on said journal means for rotation about the axis thereof and in registry with said window means, said wheel carrying indicia to be viewed through said window means.

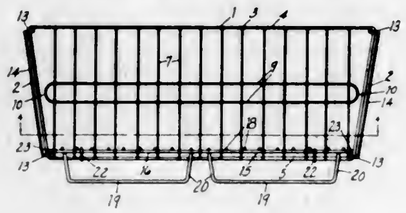
2,585,421
BOOK MARKING DEVICE
Estelle T. Armand née Dumais, Montreal, Quebec, Canada
Application March 18, 1950, Serial No. 150,489
2 Claims. (Cl. 116—119)



1. A book marking device comprising a pair of opposed elongated flat arms hinged together at one end, spring means to urge said arms together, one arm having an elongated window extending longitudinally thereof over the major part of its length, an indicator slidably movable over said arm parallel with and along the whole length of said elongated window to cooperate with the same, said indicator having a window registering with the elongated window of said arm and a pointer element on said indicator extending within its window.

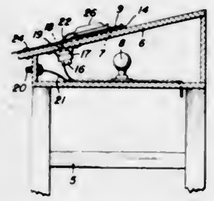
2,585,422
COLLAPSIBLE BASKET
Charles C. Averill, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application October 31, 1949, Serial No. 124,659
9 Claims. (Cl. 220—6)

1. In an elongated tapered collapsible metal basket, the combination of downwardly tapered side walls, each comprising a border frame having integral top, bottom and end members and spaced vertical slats welded to the outer sides of the top and bottom members, end walls, each comprising top and bottom bars and spaced vertical slats welded to the outer sides thereof, the top bars being longer than the bottom bars, the ends of said top and bottom bars being turned inwardly providing eyes pivotally embracing the end members of the side walls closely adjacent their juncture with the top and bottom members of the side walls, a bottom comprising a border frame having integral side and end members and spaced slats welded to the upper sides of the side members thereof, links swingably connecting one side member of the bottom



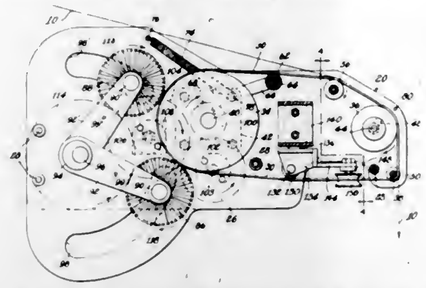
border frame to the bottom member of one side wall, and spaced elongated leg members having arms at their ends provided with inturned lug portions displosed transversely of and overlapping and welded upon the bottom members of the side walls and projecting inwardly therefrom to constitute supports for supportingly engaging the opposite side members of the bottom when the basket is erected, said links retaining said swingably connected side members of the bottom border frame against displacement from said lugs, said bottom being of such dimensions as to supportingly fit within the side end walls when they are erected, the corners of the bottom border frame being curved to clear the end members of the side wall frames.

2,585,423
PHOTOGRAPH RETOUCHING APPARATUS
Paul W. Ball, Tucumcari, N. Mex.
Application December 16, 1949, Serial No. 133,227
5 Claims. (Cl. 95—103)



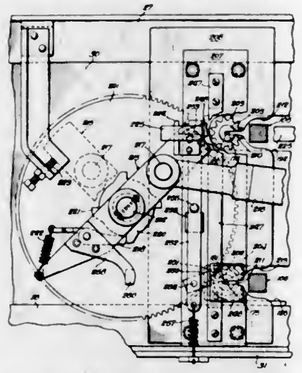
1. A picture retouching device comprising a work table having an illuminating opening and a lamp beneath the top thereof, a work holder frame having an opening disposed in registry with said first-named opening, said frame including upper and lower frame sections disposed in spaced parallel relation to each other and integrally united with each other at least at a portion of the periphery of the frame, a vibrator attached to said table, said vibrator including a vibrating element attached to said lower frame section, and means carried by the upper section for securing the work thereto.

2,585,424
METHOD OF TRANSFERRING YARN AND APPARATUS THEREFOR
Edward S. Balthrop, Jr., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 19, 1946, Serial No. 677,890
12 Claims. (Cl. 28—71.5)



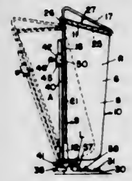
1. A method of transferring yarn from an element where the yarn is at a positive tension to an element where the yarn assumes a substantially zero tension which comprises delivering the yarn onto a supporting surface moved in a closed, defined route by a plurality of rollers which surface supports and advances the yarn in a path which changes from an approximately horizontal path to a vertical path to deliver said yarn vertically downward to a yarn collection device; and rapidly changing the direction of movement of said supporting surface at the point of discharge by passing said surface bearing said yarn over a roller of small diameter whereby the forces which tend to retain the yarn on said supporting surface are counteracted and the yarn is discharged therefrom.

2,585,425
HAY BALER
Benjamin J. Baskerville, Joliet, Ill.; Margaret K. Baskerville, Raymond A. Baskerville, Marie A. Baskerville, Frances A. Lennon, and Walter J. Baskerville, heirs of said Benjamin J. Baskerville, deceased, assignors to Frances A. Lennon, Maywood, Ill., individually and as trustee for Marie A. Baskerville, Joliet, Walter J. Baskerville, Manhattan, and Raymond A. Baskerville, Symerton, Ill.
Application April 14, 1944, Serial No. 531,071
15 Claims. (Cl. 100—20)



15. A wire tying and cutting mechanism for joining pairs of wires on a completed bale and to form new loops of wire for the next succeeding bale in a plunger operated baling press, comprising wire twisting means for tying each pair of wires, a cutting means to sever said pairs of wires, wire displacing means for looping the wires about a finished bale and to bring the same into operative relation with said twisting and cutting means, and releasable operating mechanism coacting with said twisting and cutting means to operate those means, said wire displacing means being adapted to cause release of said operating mechanism to successively actuate said twisting and cutting means, and positive stop means to check the movement of said twisting means in a predetermined position to dispose said twisting means in a position for again receiving and tying successive sets of wires.

2,585,426
MOUNTING FOR BOBBIN RECEIVER FOR WEFT REPLENISHING LOOMS
Gabriel C. Beatrice, Shrewsbury, and Kenneth J. Hall, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application September 20, 1950, Serial No. 185,869
9 Claims. (Cl. 139—255)



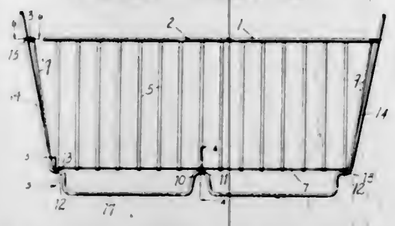
1. In a weft replenishing loom provided with a receptacle for spent bobbins discharged from the loom lay incident to replenishing operations, a frame supporting the receptacle having side members, and support means for the frame including a base in fixed position below the lay, an upright having the lower end thereof pivoted with respect to the base for movement to front and rear positions, means normally holding the upright in rear position, and a carrier on the upright engaging said side members and supporting the frame and receptacle, said upright being swingable to the forward position thereof and the side members being removable from the carrier by upward motion with respect to the upright.

2,585,427
PROCESS FOR PREPARING CONDENSATION POLYMERS OF HYDROXYACETIC ACID
Mae L. Beck, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 11, 1951, Serial No. 205,609
5 Claims. (Cl. 260—78.3)

1. A process for polymerizing hydroxyacetic acid which comprises heating and distilling water from hydroxyacetic acid at substantially atmospheric pressure and at temperatures of 160° C. to 23° C. until rapid evolution of water ceases, heating and distilling water and glycolide from the resulting material under vacuum and at temperatures above the melting point of the material but below 230° C. until evolution of water substantially ceases, adding a catalytic amount of antimony trifluoride and not less than 0.05 percent by weight of triphenyl phosphite, and finally heating material under vacuum in the presence of antimony trifluoride and triphenyl phosphite at temperatures above the melting point of the material but below the tem-

perature at which objectionable discoloration occurs until a polymer of the desired high molecular weight is obtained.

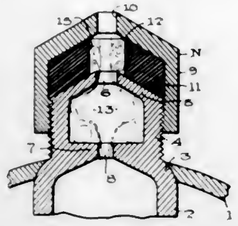
2,585,428
CLOTHESBASKET
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application October 30, 1946, Serial No. 706,688
6 Claims. (Cl. 220—19)



1. In a clothes basket, the combination of a top border frame having integral side and end members, a plurality of spaced transverse bottom members formed of flat wire and having integral upwardly diverging side slat extensions at the ends thereof disposed with their upper ends on the inner sides of and welded to the side members of said top frame, a plurality of spaced longitudinal bottom members formed of flat wire disposed upon and welded to the transverse bottom slats at their crossing points and having integral upwardly diverging end slat extensions at their ends disposed with their upper ends on the inner sides of and welded to the end members of said top frame, said transverse and longitudinal bottom members having their flat sides disposed parallel to the plane of the bottom of the basket, and base members constituting runners and having central integral inverted U-shaped loop-like upward offsets disposed below one of the intermediate transverse bottom members and welded to the lower flat side thereof and having upwardly offset end portions disposed below and welded to the lower flat sides of the end transverse bottom slats, said base members having integral upwardly projecting arms at the ends thereof disposed on the outer side of said top border frame and welded thereto and extending substantially above said top border frame and integrally connected to provide handles, said arms converging upwardly at a substantial angle towards each other to brace the basket against sidewise distortion.

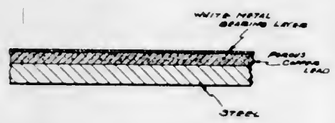
2,585,429
TRIPLE EXPANSION NOZZLE AND METHOD OF SPRAYING LIQUIDS
Carsten F. Boe, Wooddale, Del.
Application December 4, 1946, Serial No. 713,961
11 Claims. (Cl. 299—150)

4. The method of spraying a self-propellant liquid comprising a normally-liquid material to be sprayed and a liquefied gaseous component which on vaporization atomizes the normally-liquid material, which consists of maintaining the liquid under pressure generated by vaporization of a portion of the liquefied gaseous component thereof, discharging liquid maintained under said pressure into a primary expansion zone, substantially reducing the pressure on the liquid and primarily expanding the major portion of the liquefied gaseous component thereof, and simultaneously vaporizing the major portion of the liquefied gaseous component and atomizing the liquid in the primary expansion zone, substantially immediately thereafter discharging the primarily-expanded vapors or gases and entrained liquid particles into a secondary expansion zone at a still lower pressure with further vaporization of the liquefied gaseous component and secondary expansion of vapors or gases of the flowing



stream and concomitant further atomization of the normally-liquid material, and finally discharging the secondarily-expanded vapors or gases and entrained liquid particles from the secondary expansion zone directly into the surrounding atmosphere with still further reduction of pressure.

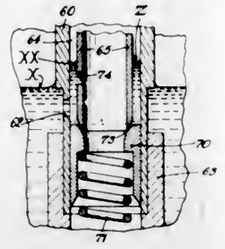
2,585,430
METHOD OF MAKING BEARINGS
Alfred L. Boegehold, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 1, 1947, Serial No. 731,865
3 Claims. (Cl. 29—189)



1. In a method of making a copper-lead bearing, the steps of, mixing pure copper powder with copper lead powder wherein the lead in the finished bearing is from 2.25 to 38%, and then heating the mixed powder at a temperature above the melting point of the copper-lead powder and below 1981° F., for a time sufficient to cause the copper-lead powder to melt and to coat and bond the particles of the copper powder together.

2. The process of making a composite bearing member, the steps of, mixing copper-lead powder having from 10 to 40% lead therein with cupreous alloy powder of higher melting point than the copper lead powder, wherein the quantity of copper lead powder in the total mixture is such that the lead content of the bearing is from 2.25 to 38%, distributing said mixed powders upon the surface of a higher melting point strong metal support, heating the support with the powder thereon at a temperature above the melting point of the copper-lead powder and below the melting point of the cupreous alloy powder, for a time sufficient to cause the copper-lead powder to melt and to coat and bond the particles of the cupreous alloy powder together and form a copper-lead layer having a substantially uniform distribution of lead therethrough and simultaneously to cause the bonded together copper-lead layer to metallurgically attach itself to the surface of the solid metal support, and then cooling the composite bearing member so formed.

2,585,431
METERING VALVE FOR LIQUID FUEL BURNERS
James L. Breese, Santa Fe, N. Mex., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application October 5, 1946, Serial No. 701,538
6 Claims. (Cl. 137—21)

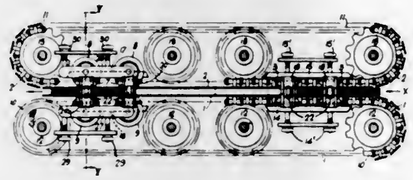


1. In a control device for liquid fuel burners, a container adapted to hold a body of liquid fuel, means for metering the flow of liquid fuel from said container including a generally upright standpipe in said container having an aperture therein positioned below the normal level of liquid fuel in the container, and a generally concentric inner wall within said standpipe, said standpipe and inner wall defining a capillary space, said inner wall having a metering aperture therein positioned above the level of liquid fuel in the container and extending below the top level of the capillarily elevated liquid in said capillary space.

2,585,432
DIBENZYLAMINE SALTS OF PENICILLIN
Frank H. Buckwalter, Dewitt, N. Y., assignor to Bristol Laboratories Inc., Syracuse, N. Y., a corporation of New York
No Drawing. Application October 19, 1948, Serial No. 55,440
4 Claims. (Cl. 260—239.1)

1. A crystalline salt of penicillin and dibenzylamine.

2,585,433
BOOKBINDING MACHINERY
John Albert Edward Burls, Kenton, England, assignor to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York
Application April 28, 1948, Serial No. 23,785
In Great Britain April 30, 1947
3 Claims. (Cl. 11—5)



1. To round and back collated signatures, apparatus comprising upper and lower continuously driven endless chain conveyors having parallel operating runs, and including slats so formed as to provide opposed sensibly continuous horizontal surfaces to receive a succession of collated signatures between them, first and second sets of pressure bars disposed to engage rollers carried by the conveyor chains as they move continuously, to press the slats of one conveyor toward the slats of the other conveyor, pressure rollers disposed adjacent the second set of pressure bars to increase the pressure between the slats of the conveyors in the region adjacent the spines of the collated signatures held between the slats, free-running shaping rolls disposed respectively in the regions of the first and second sets of pressure bars to engage the spines of collated signatures as they are conveyed past the said sets, and means to impart a continuous vibratory action to the shaping rolls.

2,585,434
FOOD CATCHING APRON FOR CHAIRS
George H. Caponera, Harrison, N. Y.
Application June 12, 1950, Serial No. 167,624
1 Claim. (Cl. 155—188)



A food catching apron for chairs comprising a foldable flexible receiver of substantially U-shape in plan and of a size to closely surround the lower portions of the legs of the chair across the front and along the sides of the latter, and strings attached to the inner edge of the receiver at its ends and engageable with the rear legs of the chair to secure the receiver in operative relation to the chair, said receiver being composed of waterproof sheet material and including a bottom strip of U-shape, and a self-sustaining upstanding rim secured to and extending along the complete outer edge of said bottom strip, said bottom strip and rim being joined together and forming a seam below the sheet material main body to constitute a floor contacting element, and a length of elastic webbing secured to the inner edge portion of said bottom strip and normally providing said inner edge portions with gathers so that the webbing may be stretched when the ends of the receiver are attached to the rear chair legs to hold the inner edge of said bottom strip elevated by contact thereof with the front chair legs and the attachment of the ends of the same to the rear legs.

2,585,435
LOOM PICKER
Joseph H. Chadbourne, Scotland, Conn.
Application September 7, 1945, Serial No. 614,847
2 Claims. (Cl. 139—160)

1. A picker body having a rawhide core and an

outer impact sheath of nylon material of substan-

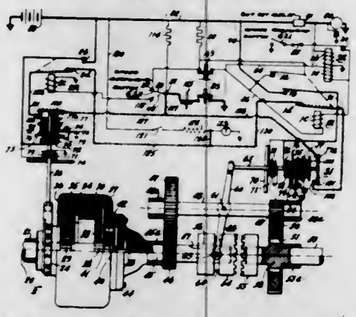


tial thickness which is bonded to the core and impregnated into the core material.

2,585,436
PENICILLIN SALTS OF AMINES DERIVED FROM ROSIN
Lee Cannon Cheney, Fayetteville, N. Y., assignor to Bristol Laboratories Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 15, 1951, Serial No. 206,121
2 Claims. (Cl. 260—100)

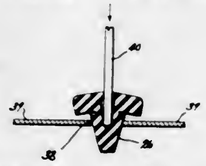
1. A salt of penicillin and a member of the group consisting of dehydroabietylamine, dihydroabietylamine, and tetrahydroabietylamine.

2,585,437
OVERDRIVE CONTROL
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 11, 1949, Serial No. 109,789
9 Claims. (Cl. 192—4)



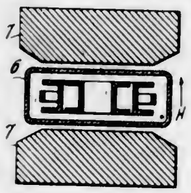
1. A system of control for a variable speed transmission for an automotive vehicle and comprising a member movable in one direction from normal position to effect a decrease in the ratio of engine speed to vehicle axle speed and in the opposite direction to increase the ratio, a solenoid having an armature connected with said member and having windings, energization of which causes movement of the member in the first mentioned direction, a spring opposing movement of the armature and operable to return the member to normal position when the solenoid windings are deenergized, a current source, a relay having normally open contacts for connecting, when closed, the solenoid windings with a current source, a relay magnet coil, the energization of which effects closing of the relay contacts, a circuit for connecting the relay magnet coil with a current source and including a switch which closes upon the attainment of a certain vehicle speed and, in series therewith, a switch which is closed by release of the accelerator pedal of the vehicle, a circuit in parallel with the relay coil and its control switches and including a manually operated, normally open down-shift switch, the closing of which short circuits the relay coil whereby the solenoid is ineffective to oppose the return spring, and means for momentarily rendering the engine inoperative in order to facilitate action of the return spring to move said member to normal position, said means comprising a short circuit paralleling a portion of the ignition apparatus and including, in series, a switch which is closed when the member moves in the first mentioned direction, a second pair of relay contacts which close when the relay coil is deenergized and said manually operated switch is closed.

2,585,438
RUBBERLIKE ARTICLE
Paul E. Clingman, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 8, 1948, Serial No. 19,760
3 Claims. (Cl. 16—86)



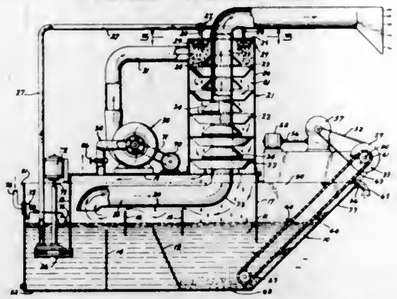
1. An extruded bumper, having a length of the same dimensional order as its depth, formed from resilient rubber-like material for use in connection with a piece of sheet metal having an aperture therethrough of rectilinear extent consisting of a rubber-like part comprising: a rectilinear head portion, a rectilinear tapered nose portion having a length equal to the length of the head but with a width of less dimension than the width of the head, and a neck portion connecting the head and nose, said neck portion having a length equal to the length of the head and nose portions but having a width less than that of the head and nose portions, said bumper having a cavity opening through the head portion thereof and extending longitudinally the entire length of the head portion and also extending the entire length of the nose portion, said cavity being at least partially within the nose portion.

2,585,439
MAGNETIC CONTROLLED GAS RECTIFIER TUBE
John H. Coleman, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1949, Serial No. 102,194
27 Claims. (Cl. 313—162)



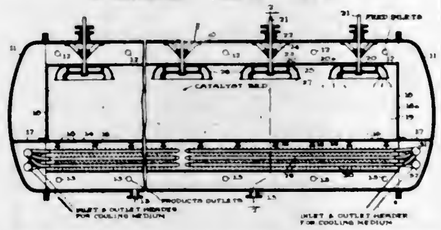
1. A magnetic gas rectifier tube comprising a first cathode having a concave active surface, a first anode in operative relation with said cathode and forming therewith a first diode element, said first anode having a portion providing a second cathode, a second anode in operable relation with said second cathode forming with said second cathode a second diode element, and means providing an envelope enclosing the space surrounding said anodes and cathodes, said envelope being filled with a low pressure ionizable gaseous medium.

2,585,440
WATER SEALED AIR WASHER
Daniel T. Collins, Ferndale, Mich.
Application July 11, 1949, Serial No. 104,059
1 Claim. (Cl. 261—111)



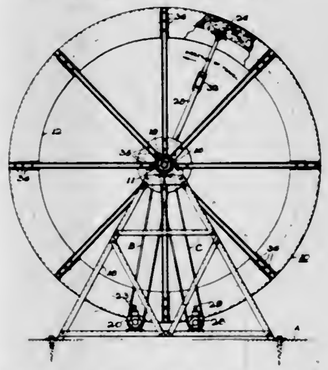
An air washer comprising a tank, a hood over said tank, an outer stack rising upwardly from said tank adjacent one end thereof communicating through said hood, sludge baffles in said tank below the water level of said tank, foam baffles in said tank above the water level of said tank, an inner stack disposed concentrically in said outer stack communicating through said hood, means for delivering air to be washed to the space between said stacks at a tangent thereto, means for delivering water to the space between said stacks at a tangent thereto in the same direction as the air delivery, baffles on the inside of said outer stack, baffles on the outside of said inner stack; said stack baffles being staggered to churn said air and water into a foam to thoroughly wet the dirt particles in the air; said foam baffles being adapted to keep the foam in the area of said stacks between said tank and said hood; and a washed air tube leading from said inner stack to a point between said tank and hood beyond said foam baffles for conveying the washed air to said inner stacks free of foam.

2,585,441
CATALYTIC REACTOR
Paul W. Cornell and Ernest Cotton, Mount Lebanon, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1947, Serial No. 793,306
9 Claims. (Cl. 23—288)



1. Apparatus for conducting catalytic chemical reactions comprising a horizontal elongated cylindrical shell closed at both ends thereof, inlet means at the top of said shell, outlet means at the bottom of said shell, a second shell closed at both ends thereof and having an opening in the top and an opening in the bottom thereof, said second shell being disposed centrally within said first-named shell and spaced from the walls thereof, foraminous support means adapted to support a fixed catalyst bed horizontally disposed within said second shell, impeller type circulating means disposed within said first-named shell in proximate position with respect to and in communication with the opening in the top of said second shell for circulating large quantities of fluids downwardly through said fixed catalyst bed and upwardly wholly within the space between the shells, and a heat exchanger disposed in the path of flow of said fluids and spaced vertically from said foraminous catalyst support means.

2,585,442
HYDRODYNAMIC TESTING APPARATUS
Robert B. Cotton, Media, Pa., assignor to All American Airways, Inc., Wilmington, Del., a corporation of Delaware
Application February 5, 1951, Serial No. 209,402
5 Claims. (Cl. 73—148)



1. In apparatus for testing the performance of a body relative to the velocity of a liquid surface, in combination, a vertically rotating drum adapted to receive a quantity of liquid, a horizontal axle for said drum on which said drum is journalled for rotation, whereby a velocity of movement of the liquid proportional to the R. P. M. of said drum is attained, variable power drive means for rotating said drum at various revolutions per minute, body supporting means connected to said axle enclosed within said drum, said means being adjustable with respect to the liquid surface, and instrument take-off means on said axle for measuring the performance of the body relative to the liquid surface.

2,585,443
ELECTRIC HEATING UNIT
Duncan B. Cox, Woodbury, N. Y.
Application March 15, 1949, Serial No. 81,550
1 Claim. (Cl. 219—46)



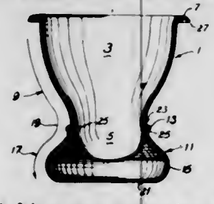
An electrical heater unit comprising: an elongated ribbon of vinyl chloride formed with longitudinal corrugations presenting four ribs and three grooves in alternate relationship, said ribbon being of substantially greater width than thickness; four elongated attenuated conductors made of resistance wire at least .0159" in diameter in annealed form embedded in said ribbon in spaced parallel relationship with the conductors in alignment with the ribs of the ribbon, the width of the grooves in the ribbon and of the

space between the conductors being betwen 1/8" and 3/8"; and a plug for providing electric connection to a receptacle at one end of said ribbon said conductors being connected together and to said plug so as to provide a complete electric circuit.

2,585,444
PREPARATION OF SHAPED ARTICLES FROM ACRYLONITRILE POLYMERS
Charles D. Coxe, Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 29, 1948, Serial No. 41,412
7 Claims. (Cl. 18—54)

1. A process for the production of shaped articles from acrylonitrile polymers containing at least 85% acrylonitrile which comprises impregnating said polymers in comminuted, solid form with from 30% to 85% water; heating the resultant impregnated polymers in an enclosed chamber; exerting pressure on said impregnated polymers contained in said chamber, thereby extruding them through shaped orifices; and setting the resultant shaped articles.

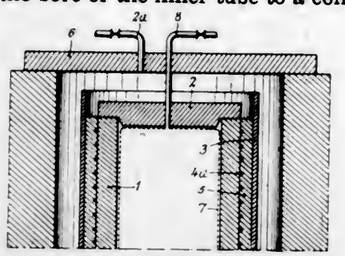
2,585,445
CHILD'S DRINKING CUP
Karl A. Dingeldein, Chicago, Ill., assignor to St. Louis Metalcrafts, Inc., St. Louis, Mo., a corporation of Missouri
Application October 14, 1948, Serial No. 54,420
1 Claim. (Cl. 65—13)



A child's drinking cup comprising an upper inverted-dome-like basin, an upper integral turned-down open lip forming an upper flared rim of semi-toroidal shape completely surrounding said basin, a surface forming a relatively smaller inverted-dome-like bulb extending downward from said basin, no succeeding lower diameter throughout the basin and bulb being larger than any above, the lip, basin and bulb presenting a smooth gradually curving and sanitary surface, said lip forming a part adapted to be gripped by the gums or teeth of a child, and a hollow base of exterior toroidal form extending downward from said bulb, the basin, bulb and lip comprising an integral thin-walled structure, and the toroidal base comprising another thin-walled structure which has an opening in the bottom and a beaded opening in the top, the beaded opening being adapted to form an annular attachment with the exterior of said bulb.

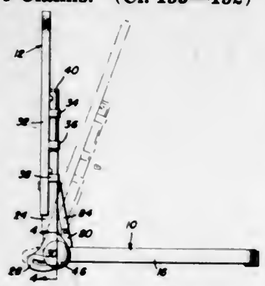
2,585,446
PROCESS FOR THE PRODUCTION OF TUBULAR OBJECTS OF PRESTRESSED CONCRETE
Emil Edwin and Nils Darre Nilsen, Oslo, Norway
Application April 22, 1946, Serial No. 663,774
In Norway November 24, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 24, 1963
2 Claims. (Cl. 25—154)

1. A process for imparting peripheric, compressive prestress to a tubular object of concrete which comprises imparting compressive stress to a prehardened concrete tube by winding thereabout a highly prestressed wire in direct contact with the concrete tube, casting around said wire-stressed tube a second tube of concrete and, during the hardening of said latter tube, subjecting the bore of the inner tube to a controlled,



outwardly-directed pressure of a magnitude such that after hardening of the exterior tube and releasing the outwardly-directed pressure from the interior tube, each of the tubular elements of the composite tubular object will be under a peripheric compressive prestress which is substantially homogeneous throughout the composite wall of the tubular object.

2,585,447
ADJUSTABLE BACK REST
Herman H. Eichorst, Hollydale, Calif.
Application March 30, 1951, Serial No. 218,401
9 Claims. (Cl. 155—152)



1. In combination, a seat frame and a back-rest frame, means pivotally connecting confronting ends of said frames and for retaining said back-rest frame in selected pivoted positions with respect to said seat frame, said retaining means including an arm slidably connected to said back-rest frame, a link pivoted to said seat frame and connected to said back-rest frame, said arm having a cam provided with a slot, a locking rod disposed in said slot, and a locking member carried by said locking rod and contacting said cam to hold said arm releasably fastened to said locking rod.

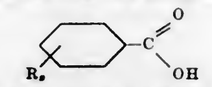
2,585,448
PLASTICIZERS
William S. Emerson and Raymond I. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 23, 1948, Serial No. 61,733
16 Claims. (Cl. 260—316)

1. A plasticizer which comprises a mixture of esters made by esterifying a glycol having a structural formula:

$$HO—(C_2H_4—X)_y—C_2H_4—OH$$

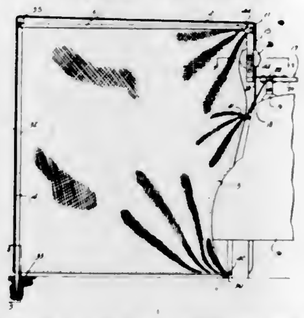
wherein X is an atom of the group consisting of

sulfur and oxygen and y is a small whole number from one (1) to three (3), inclusive, with a mixture of 20 to 65 mole percent of at least one aliphatic saturated monocarboxylic acid having from six to twelve carbon atoms, and 80 to 35 mole percent of at least one aromatic monocarboxylic acid having the structure:



wherein R is a saturated alkyl radical having from one to four carbon atoms and x is a whole number from zero (0) to three (3), inclusive.

2,585,449
AUTOMOBILE TENT
Stanley F. Eskew, Fayetteville, W. Va.
Application October 31, 1950, Serial No. 193,173
3 Claims. (Cl. 135—5)



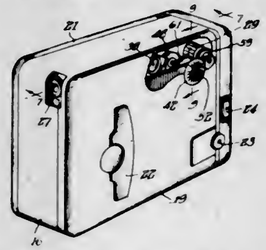
3. In combination, a longitudinal carrier rack adapted to be mounted on the roof of an automobile, a shaft journaled to one side marginal portion of said rack, a reel secured on said shaft, a body of flexible material secured to said reel and being adapted to be rolled up thereon, an elongated U-shaped member pivoted to said shaft in endwise straddling relation to said reel, a foldable frame pivotally connected to the legs of said U-shaped member and being arranged to be at times folded onto said rack and at other times unfolded to to define a tent framework adjacent the side of the automobile carrying said shaft, said body of flexible material being shaped to fit over the unfolded framework and the U-shaped member to define a tent enclosure, means for securing said body to the unfolded framework, and means on one end of said shaft and movable into and out of engagement with the adjacent leg of said U-shaped member for locking said U-shaped member in an upstanding position relative to said shaft, whereby the bight portion of the U-shaped member exerts stretching action on the body of flexible material.

2,585,450
APPARATUS FOR SIZING TUBING
Bernard E. Frank, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 14, 1950, Serial No. 149,563
2 Claims. (Cl. 153—80.5)



1. A sizing punch apparatus for use with a tube flaring machine having a tubing gripper and a mechanism for effecting relative advancing and retracting movements between a sizing punch and the tubing retained by the gripper, said apparatus comprising a frame, a bar supported by the frame for movement longitudinally of the tubing and having an abutment portion for engagement by the tubing, a block supported by the frame for relative movement longitudinally of the tubing and spaced from said abutment, a punch attached to the block and extending therefrom through the abutment a certain distance from the surface of the abutment facing the tubing, yielding means transmitting motion from the bar to the block, a device carried by the frame and normally conditioned for preventing relative movement between the block and frame whereby, during relative movement between the frame and the tubing, a portion of the punch is received by the tubing before engagement between the tubing and the abutment and then the abutment is moved relative to the block as an additional portion of the punch is received by the tubing, means actuated in response to said movement of the abutment relative to the block for rendering said device unable to prevent relative movement between the block and frame whereby reception of the punch by the tubing ceases as advancement of the frame continues, and means provided by the frame for engaging the block during relative retraction between the frame and tubing in order to remove the punch from the tubing.

2,585,451
FOOTAGE INDICATOR IN A MOTION-PICTURE CAMERA VIEWER
Leo Frankel, Chicago, Ill., assignor, by mesne assignments, to City National Bank and Trust Company of Chicago, as trustee
Application October 8, 1948, Serial No. 53,441
3 Claims. (Cl. 88—16)

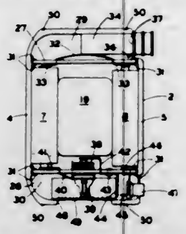


1. In a motion picture camera, a viewer having an ocular lens and an objective lens forming a final image of a scene to be photographed, a movable counter comprising a translucent drum having indicia showing film footage, means for rotating said drum in synchronism with a film, and a separate lens focused at a point on said drum and serving to produce an image of said indicia as they rotate with said drum, said last-mentioned image being in the same plane as the final image of the viewer, so that both images may be seen simultaneously through the ocular lens without eye accommodation.

2,585,452
LIGHTED COMPACT
Gerhardt Friedlund, Detroit, Mich.
Application January 15, 1948, Serial No. 2,419
4 Claims. (Cl. 240—6.45)

1. In a compact, a casing having upper and lower hollow mating sections, each of said sections having from its external face an inwardly extending compartment with alined upper and

lower compartment walls which are within said casing cooperating with the opposed casing walls to form a battery chamber, said casing having an opening in an end wall, a light bulb supported



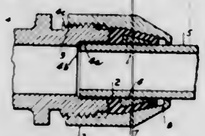
in said casing adjacent said opening, a battery supported in said casing chamber by the walls of said casing and said compartments, and circuit means within said casing for electrically connecting said battery to said bulb.

2,585,453

INTERCHANGEABLE, SELF-RELEASING, SELF-LOCKING HIGH-PRESSURE TUBE AND PIPE CONNECTOR UNIT

John P. Gallagher and Jonas H. Gidlund, Chicago, Ill.

Application April 8, 1949, Serial No. 86,322
8 Claims. (Cl. 285—122)



1. In a connector unit, a body and a tube adapted to be connected together, a nut surrounding said tube and threaded on said body, a connector ring surrounding said tube within said nut, said connector ring having internal spiral teeth engaging said tube, the teeth of said connector ring being of opposed spiral direction to the threads between said nut and body, and a sealing ring of resilient material surrounding said tube and forming a seal between said connector ring and nut, said nut on being threaded on said body, engaging said sealing ring and forcing said connector ring into gripping engagement with said tube.

2,585,454

PREPARATION OF A SULFUR-CONTAINING ACTIVATED CARBON

Bernard W. Gamson, Morton Grove, Ill., assignor to Great Lakes Carbon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application July 7, 1948. Serial No. 37,497
6 Claims. (Cl. 252—422)

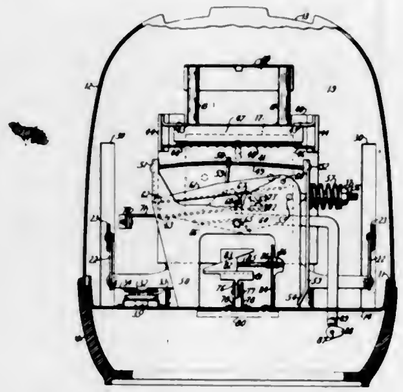
1. A process for producing an activated carbonaceous body which comprises forming at about 300–450° F. a uniform mixture of a heavy hydrocarbonaceous substance boiling above about 350° F. and liquid in the range of about 300–450° F., and having a hydrogen content of about 4 to about 12%, with elemental sulfur at least 60% the stoichiometric equivalent of the hydrogen content, heating the mixture at about 450–625° F. to produce a hard, black, dense, infusible, insoluble solid containing carbon about 47% to 70%, hydrogen about 1.8% to 4%, sulphur about 25% to 40%, and minor amounts of ash, said sulphur being substantially all in chemical combination with said carbon and hydrogen, heating the solid in mild oxidizing atmosphere at about 625° F. to about 1800° F., and recovering an activated carbonaceous body containing carbon 80% to 90%, hydrogen 0.2% to 1%, sulphur 2% to 10%, and oxygen 0% to 10%.

2,585,455

ELECTRIC TOASTER

Roland H. Gardner, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 5, 1947, Serial No. 789,867
15 Claims. (Cl. 99—329)



1. A toaster comprising, main heaters for performing a toasting function, bread carriers movable from receiving to toasting position, a thermal timer for timing the duration of toasting intervals, a heater for said timer carried by said carriers above said timer, means for moving said carriers to toasting position adjacent said main heaters, manually adjustable stop means positioned to engage said carriers for limiting downward movement thereof so as to determine the relative position of said timer and heater and thereby determine the duration of the toasting interval control means actuatable upon movement of said carriers to toasting position for energizing said heaters to initiate a toasting interval and means actuated by movement of said timer to actuate said control means to terminate the toasting interval.

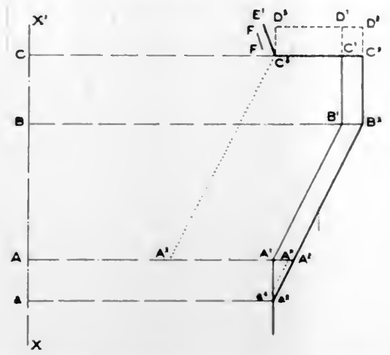
2,585,456

MANUFACTURE OF STOCKINGS AND THE LIKE ARTICLES OF HOSIERY

Jean Garric, Sainte-Savine, France

Application June 6, 1950, Serial No. 166,310
In France September 7, 1949
2 Claims. (Cl. 66—89)

1. The method of making the heel portions of stockings and the like on a straight bar knitting machine which comprises widening the leg portion above the ankle by transferring a few marginal loops before beginning the outward transfer of the entire width of the heel portions at the end of the step of knitting of the leg portion down to the ankle, said transferring being effected by shifting the transfer points plates outwardly in a manner such that a few points engage the corresponding marginal loops, effecting the desired widening, thereafter returning the transfer points plates inwardly by a distance corresponding to the number of needles forming the width of the heel less the number of selvedge



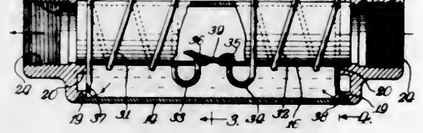
needles corresponding to said few marginal loops, transferring the entire width of the heel parts and thereafter finishing the heel.

2,585,457

AIR LINE LUBRICATOR FOR PNEUMATIC TOOLS

Hilmer Gillerstrom, Arcadia, Calif., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware

Application September 23, 1947, Serial No. 775,709
3 Claims. (Cl. 184—55)



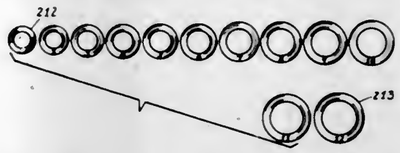
2. An air line lubricator for pneumatic tools comprising a hollow outer casing, a hollow inner casing supported within said outer casing in spaced relation thereto, the space between said outer and inner casings comprising an oil reservoir and the inner casing being adapted to receive and conduct air under pressure, baffle means in said inner casing intermediate the ends thereof in the path of flow of said air for creating an area of increased air pressure on the rearward, upstream side of said baffle means and an area of decreased air pressure on the forward, downstream side thereof, said inner casing having openings in its wall closely adjacent the rearward, upstream side and closely adjacent the forward, downstream side of the baffle means in said areas of increased and decreased air pressure, and a plurality of helically wound tubes supported on and about the outer periphery of said inner casing, one of said tubes having its forward end secured at the opening at the rearward side of the baffle means and its free open end terminating at the rearward end of the reservoir and the other of said tubes having its rearward end secured at the opening at the forward side of the baffle means and its free open end terminating at the forward end of the reservoir, said tubes having their free open ends abutting the opposite ends of said reservoir for retaining the tubes in place.

2,585,458

GAME APPARATUS FOR TEACHING THE USE OF THE MULTIPLICATION TABLE

Julia E. I. Gordon, Bricks, N. C.

Application October 11, 1949, Serial No. 120,770
2 Claims. (Cl. 273—126)



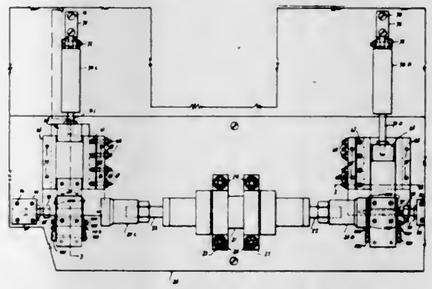
1. In a game apparatus of the character described, the combination of a plane playing surface inscribed with a substantially square multiplication table, the digits of all the numerals on said table being substantially equal in physical size, and a set of playing pieces slidable on said playing surface, the playing pieces being equal in quantity to the quantity of factor numerals in a marginal row of said multiplication table which begins with the numeral "1," and the playing pieces being consecutively inscribed with said factor numerals of the multiplication table, said playing pieces having opaque margins arranged to at times completely surround the numerals on the multiplication table and defining openings to allow the numerals to be viewed from above through the playing pieces, the playing pieces varying in physical size in acccordance with the magnitude of the factor numeral inscribed thereon, and the size of said openings likewise varying in the same manner, allowing numerals of large physical size on the playing surface to be encircled by the large playing pieces with substantially the same order of facility as that with which the numerals of small physical size on said surface can be encircled by the small playing pieces.

2,585,459

APPARATUS FOR SIZING TUBING

Rea I. Hahn and Bernard E. Frank, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

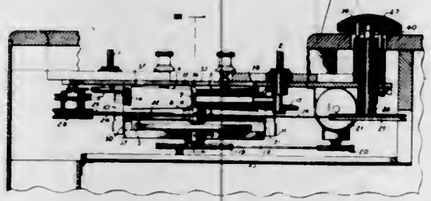
Application October 30, 1948, Serial No. 57,483
3 Claims. (Cl. 153—10)



1. Apparatus for sizing tubing comprising a sizing die unit comprising a shell, a die having a hole therethrough defined by a cylindrical wall merging with a conical wall flaring outwardly, a pin supported by the die and movable therewith, said pin having a cylindrical portion fitting within the cylindrical wall portion of the die, said cylindrical portion terminating at an annular shoulder, said pin having a cylindrical portion of smaller diameter extending from the

annular shoulder, the largest inside diameter of the conical wall portion being greater than the outside diameter of the tubing, the inside diameter of the cylindrical wall portion being less than the outside diameter of the tubing and the diameter of the second cylindrical portion of the pin being less than the inside diameter of the tubing, a spring engaging the pin and normally maintaining the pin in a position such that the shoulder of the pin is located adjacent to the face of the die and the portion of smaller diameter is in the front of the die, means for supporting the tubing in alignment with the pin, and means for effecting relative axial movement in one direction between the die unit and the tubing to cause engagement of the end of the tubing first with the annular shoulder of the pin and then relative axial movement between the pin and tubing together and the die, whereby the tubing is swaged between the cylindrical wall portion of the die and the second cylindrical portion of the pin, and for effecting relative axial movement in the opposite direction between the die unit and the tubing to effect release of the tubing from the die and to permit the return of the pin to normal position by said spring, said annular shoulder then operating to scrape from the die metal particles which had been dislodged from the tubing during the swaging operation.

2,585,460
VARIABLE-SPEED COUPLING
John Halahan, Theodore F. Aronson, and Floyd A. Lyon, Elmhurst, N. Y., assignors to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application June 3, 1949, Serial No. 96,891
2 Claims. (Cl. 74—193)

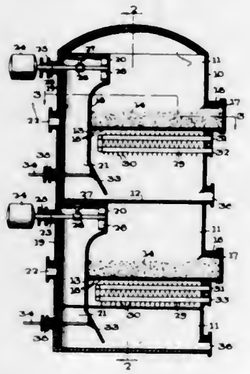


1. A variable speed drive coupling comprising disc mounted for rotation about its axis, two coaxially arranged spaced rollers extending outwardly one on each side of the axis of said disc in spaced relationship with respect to said disc for rotation about an axis substantially parallel with respect to the plane of said disc independent of each other, ball means engageable for drive transmission between said disc and one or other of said rollers selectively, resilient means normally moving said disc into engagement with said ball means whereby said ball means engage said rollers, means limiting the movement of said disc by said resilient means to hold said ball means out of engagement with said rollers in the center position, and control means interposed between said disc and said rollers for moving said ball means selectively inwardly and outwardly longitudinally of either of said rollers; whereby said ball means can be located selectively in a neutral position defined by the space between said rollers where no drive is transmitted, in engagement between said disc and one of said rollers for drive transmission in one direction, or between said disc and the other of said rollers for drive in the reverse direction.

2,585,461
METHOD OF MAKING FLUORESCENT ZINC OXIDE
Benjamin L. Hirsch, Ottawa Hills, Ohio
No Drawing. Application January 4, 1946, Serial No. 639,153
11 Claims. (Cl. 23—148)

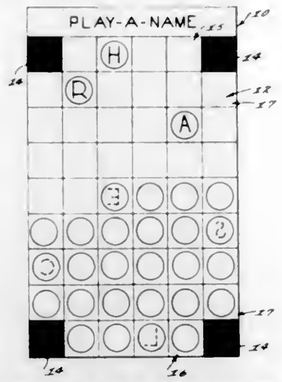
1. An improvement in the process of producing fluorescent zinc oxide by exposing incandescent French process zinc oxide to a gaseous reducing atmosphere, characterized by the step of contacting the zinc oxide with an atmosphere containing sulfur dioxide within a time ranging from a time prior to and up to and including the time when the zinc oxide reaches a state of incandescence, thereby maintaining a substantially constant zinc oxide particle size during the exposure of the incandescent zinc oxide to a gaseous reducing atmosphere.

2,585,462
CATALYTIC APPARATUS
Joel H. Hirsch, Oakmont, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application December 19, 1947, Serial No. 792,825
7 Claims. (Cl. 23—288)



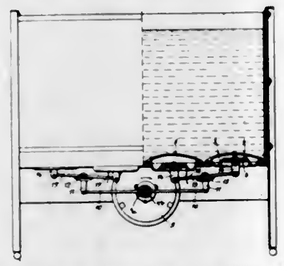
1. Apparatus for conducting catalytic chemical reactions comprising a closed shell, horizontally disposed perforate catalyst supporting means within said shell, said catalyst supporting means extending over a major portion of a horizontal cross section of said closed shell and being in contact with a major portion of a perimeter of the wall of said shell, a normally closed opening adjacent to said catalyst supporting means in the wall of said shell adapted for charging solid catalyst to and discharging solid catalyst from said catalyst supporting means, tubular heat exchange means positioned below said catalyst supporting means, a duct formed in part by the shell wall and in part by a vertical wall adjacent to an edge of said catalyst supporting means leading from below said tubular heat exchange means and extending horizontally above said catalyst supporting means, inlet means adapted for introducing fresh fluid reactants into said duct, outlet means adapted for withdrawing fluid products from the bottom of said shell, and impeller type circulating means disposed within said duct adapted to circulate fluid reactants downwardly through said catalyst supporting means, over said heat exchange means, and through said duct back to said impeller type circulating means.

2,585,463
GAME BOARD AND PLAYING PIECES
Charles S. Horine, Lexington, Ky.
Application August 12, 1949, Serial No. 109,879
1 Claim. (Cl. 273—130)



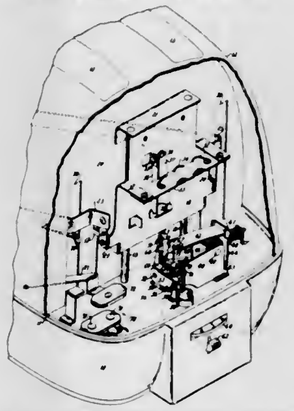
In game apparatus, a key member comprising a rectangular game board having a playing surface having intersecting longitudinal and transverse lines thereon defining longitudinal and transverse rows of spaces, a plurality of player members comprising cards corresponding in number to the number of players involved, said player cards having surfaces provided with rows of spaces similar to the surface of said game board, and a multiplicity of game pieces adapted to be placed indiscriminately on the spaces of the game board surface, said game pieces including blank game pieces and lettered game pieces, each of the lettered game pieces having a blank face and a face formed with a single letter of the alphabet, lettered game pieces spelling a selected word selected from said multiplicity of game pieces being placed indiscriminately on spaces of the game board surface with their lettered faces down and the remaining spaces of the game board surface being covered by blank game pieces, the spaces of the player cards being arranged to be marked by the players to implement guesses as to the locations of the lettered game pieces, and the game pieces on the game board surface being arranged to be inverted after the player cards have been marked.

2,585,464
WASHING MACHINE
Havtor Hovden, Orstavik, Norway
Application April 24, 1946, Serial No. 664,573
In Norway February 8, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 8, 1963
4 Claims. (Cl. 68—190)



4. In a clothes washing machine a fluid container, means for subjecting a portion of the fluid in the container to a high frequency compression wave effect consisting of a plurality of diaphragms arranged in pairs and actuated at displaced phases, in combination with hoods partly covering the diaphragms for automatically constraining the washing goods to pass through said portion, the period of said wave being less than the time required for inertial deceleration of upwardly directed particles of fluid.

2,585,465
ELECTRIC TOASTER
Warren A. Humphrey, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 5, 1947, Serial No. 789,869
18 Claims. (Cl. 99—329)

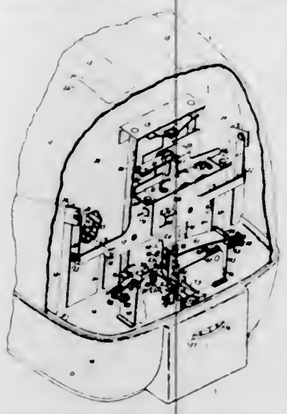


1. A toaster comprising, main heaters for performing the toasting function, bread carriers movable from receiving to toasting position adjacent said main heaters, means for latching said carriers in toasting position, a thermal timer having a hot stable position and a cold position for timing the duration of the toasting intervals, said latching means being operable to latch said carriers in toasting position whether said timer is in its hot position or its cold position, latch releasing means operable upon movement of said timer from its cold position for releasing said latching means, auxiliary means for heating said timer to cause it to move from its cold position to its hot position, switch means operable upon movement of said carriers to toasting position for energizing said auxiliary heating means, means actuated by movement of said latch releasing means to releasing position operable to actuate said switch means to deenergize said auxiliary heating means, said latch releasing means being operable to move said timer past its hot stable position as it is released the arrangement being such that said timer will immediately return said latch means to its original position while said switch means remains in deenergizing position until said timer returns to its cold position.

2,585,466
ELECTRIC TOASTER
Warren A. Humphrey and Otis B. Sutton, Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 5, 1947, Serial No. 789,870
15 Claims. (Cl. 99—329)

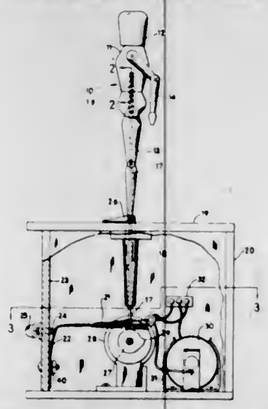
1. A toaster comprising, main heaters for performing the toasting function, carriers movable from receiving to toasting position adjacent said main heaters, a thermal timer for timing the

duration of successive toasting intervals, an auxiliary heater carried by said carriers for applying heat to said thermal timer, said timer being so mounted that said auxiliary heater is moved into heating relation to said timer when said carriers are moved to toasting position, and thermal means carried by said carriers and positioned to be responsive to toaster temperature and con-



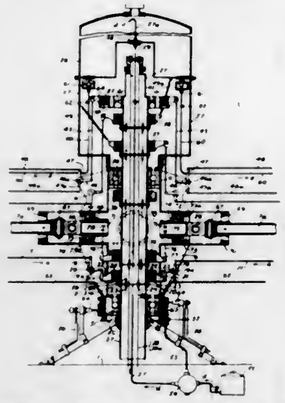
nected to said auxiliary heater to change its position relative to said carriers with changes in toaster temperature to change the relative positions of said heater and thermal timer, said thermal means being operative to change the position of said heater relative to said timer prior to the initiation of and during a toasting interval with changes in toaster temperature.

2,585,467
ARTICULATED DANCING TOY
Wilbur M. Huth, Akron, Ohio
Application February 23, 1949, Serial No. 77,813
4 Claims. (Cl. 46—138)



1. An animated toy comprising a jointed figure, a platform having a guide passage therethrough, means for supporting said platform in horizontal position, a flat spring element mounted on a relatively fixed portion of said supporting means beneath the level of said platform to extend freely in a horizontal plane, a rod vertically received through said passage in the platform and supporting said jointed figure at the upper end thereof, the lower end of said rod engaging the top face of said flat spring element, and the rod and jointed figure thereby being gravitationally supported by said flat spring element adjacent said free end, a rotary member having thereon a cam portion intermittently engageable with the bottom face of said flat spring element upon rotation of the member, means for rotating said rotary member for intermittent engagement of said cam portion thereof with said flat spring element to vibrate the same and thereby through reciprocating vertical movement of said rod to cause articulation of said jointed figure, said means for rotating including an electric motor, dry-cell battery means, an electrical circuit between said motor and said battery means, and contact means in said circuit selectively operable to open and close the same.

2,585,468
FUEL SUPPLY SYSTEM FOR HELICOPTER WITH JET-DRIVEN ROTOR
Vittorio Isacco, London, England
Application August 3, 1946, Serial No. 688,269
In Great Britain August 3, 1945
1 Claim. (Cl. 244—17.11)

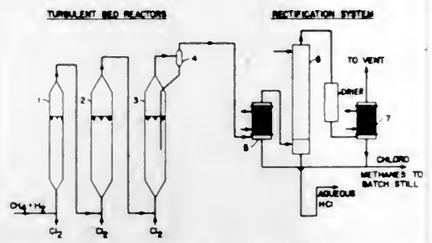


A helicopter comprising a fuselage, a sustaining unit including a plurality of rotary blades, jet propulsion units at the tips of at least some of said blades, a main liquid fuel tank inside the fuselage, an auxiliary liquid fuel tank above said blades and in the vicinity of the axis of rotation of the blades, fuel pipes connected to said auxiliary feed tank to supply liquid fuel by gravity to the propulsion units on the blade tips and extending through said blades for their whole length, and means to feed fuel from the main tank to the auxiliary tank.

2,585,469
PROCESS FOR THE MANUFACTURE OF CHLOROMETHANES
Paul R. Johnson, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 20, 1948, Serial No. 28,069
5 Claims. (Cl. 260—662)

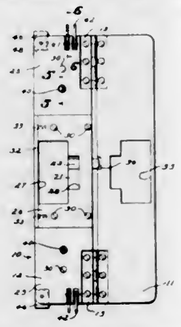
1. A process for chlorinating a mixture of methane and hydrogen, which mixture contains from 20% to 60% of hydrogen, to produce predominantly chloroform, carbon tetrachloride and hydrogen chloride, which comprises passing the chlorine and methane-hydrogen gas mixture through a bed of finely divided inert solids under conditions whereby the passage of the gases therethrough maintains the inert solids in a fluidized turbulent condition, the temperature of the turbulent bed being maintained at from 325° to

450° C. and the chlorine being added in increments in such amounts that the chlorine concentration at any particular point in the reaction bed does not exceed the ignition threshold



concentration for the given bed temperature, the overall ratio of chlorine to methane-hydrogen employed in the reaction being between 60% and 100% of the maximum stoichiometric ratio.

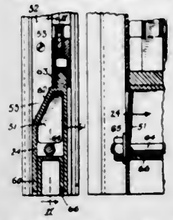
2,585,470
TEMPLATE FOR LOCK MORTISES
Robert R. Josephson, Costa Mesa, Calif., assignor, by direct and mesne assignments, to Kwikset Locks, Inc., Anaheim, Calif., a corporation of California
Application August 5, 1950, Serial No. 177,921
10 Claims. (Cl. 33—197)



1. A template for use in cutting lock mortises in doors and door jambs, comprising: a body having a surface adapted for application to the work, and having an opening extending through said body to said surface; a depth plate hinged to a margin of said body so as to swing flatly against the opposite surface of said body to increase the effective thickness of said template and having an opening co-extensive with and registering with the opening in said body; a gate for closing a portion of said body opening; and spurs on said first-mentioned surface of said body adapted to penetrate woodwork for attaching said template thereto.

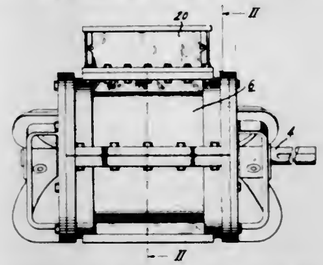
2,585,471
WINDOW STRUCTURE
Harry J. Kammerer, Mount Vernon, N. Y.
Application May 10, 1947, Serial No. 747,271
6 Claims. (Cl. 189—75)

1. A window sash frame construction which comprises vertical side guide members, a transverse member at the bottom of said guide members and adapted to be disposed therebetween, said transverse member having end openings, and offset elements struck from the material of the guide members to extend into said openings to hold the transverse member in position, the upper forward-face of said tranverse member sloping downwardly and outwardly, and a longitudinally extending rib or projection on the



top of the transverse member adapted to project into a peripheral groove of a lower sash element.

2,585,472
ROTARY TRANSFER VALVE
Angus B. Kennedy, Cincinnati, Ohio; Vera Alward Kennedy, administratrix of said Angus B. Kennedy, deceased, assignor to Vera Alward Kennedy, Cincinnati, Ohio
Application December 5, 1946, Serial No. 714,183
9 Claims. (Cl. 302—49)



1. A rotary transfer valve comprising a rotor having a plurality of compartments, means providing an inlet passage for communicating with a region under low pressure, means providing an outlet passage for communicating with a region under high pressure, and means connected to said outlet passage providing means for injecting steam successively into each of said compartments through said outlet passage.

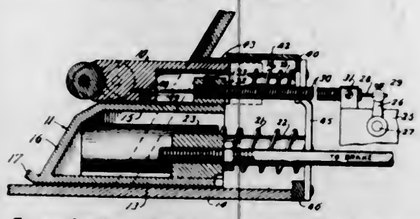
2,585,473
EXTRACTION APPARATUS AND METHOD
Angus B. Kennedy, Cincinnati, Ohio, assignor, by decree of distribution, to Vera Alward Kennedy, Cincinnati, Ohio
Application May 3, 1947, Serial No. 745,771
9 Claims. (Cl. 23—310)



1. A method of extracting soluble constituents from different portions of materials having different percentages of said soluble constituents therein, said method comprising subjecting a first portion of said materials having the highest of said different percentages of said soluble constituents to successive stages of extraction with progressively stronger portions of solvent whereby the percentage of said soluble constituents in said portion after each stage is progressively lower, adding to said first portion at various of said successive stages additional portions of material having percentages of soluble material sub-

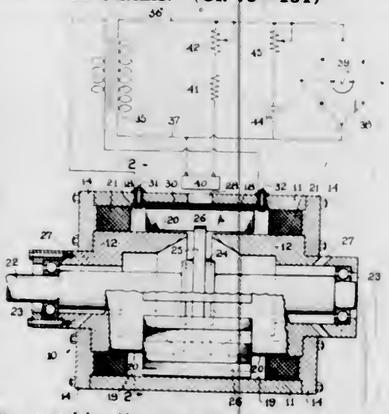
stantially the same as those remaining in said first portion at the beginning of said stages, and subjecting the now larger portions of said material to correspondingly larger and progressively stronger portions of said solvent until a further desired percentage of said soluble constituents has been extracted.

2,585,474
THROTTLE AND BRAKE CONTROL
John K. Kramar, Morton Grove, Ill.
Application October 15, 1947, Serial No. 779,977
6 Claims. (Cl. 192—3)



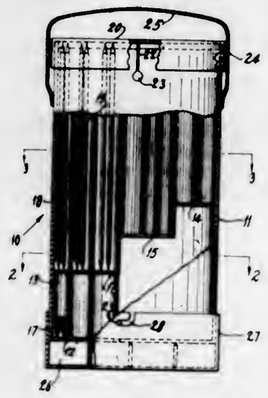
1. In a device of the class described, an elongated reciprocating brake control member movable sidewise to apply and release brakes, guides at each end of the member, spring means normally holding said member in brake released position, a Bowden wire for operating the throttle in a tube having one end fast to the brake control member, an elongated reciprocating throttle control member fast to the Bowden wire and movable both relative to and in unison with said brake control member, resilient means normally holding said throttle control member in closed position, and means to limit the movement of the throttle control member in unison with the brake control member, whereby said brake control member may be moved further independently of said throttle control member to drive the tube forwardly along said Bowden wire and away from said throttle control member.

2,585,475
DIRECT READING EDDY CURRENT DYNAMOMETER
William H. Lee, Chagrin Falls, and Erasmus D. Smith, Shaker Heights, Ohio, assignors to The Electric Products Company, Cleveland, Ohio, a corporation of Ohio
Application November 14, 1946, Serial No. 709,862
13 Claims. (Cl. 73—134)



1. In combination with an eddy current dynamometer, means for taking a voltage from the dynamometer functional of the power absorbed by the dynamometer, a voltmeter for measuring said voltage as an indication of the power absorbed by the dynamometer, and means in the circuit leading to the voltmeter for compensating said voltage to correct for the effect of changes in temperature of the dynamometer and for the effect of changes in the frequency of the voltages generated therein.

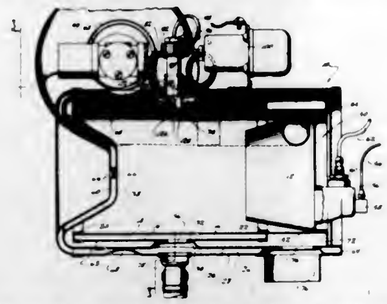
2,585,476
CONTAINER FOR KNITTING AND KNITTING ACCESSORIES
Max M. Lerner and Norman P. Weinheimer, Brooklyn, N. Y.
Application July 7, 1948, Serial No. 37,414
1 Claim. (Cl. 223—109)



In a portable upright container for yarn and knitting needles having a floor, an imperforate and dished cover and a continuous outer surface, a multi-pocket corrugated annular member in said container and contacting the inner surface thereof while substantially the entire interior remains suitable for storage of yarn therein, said pockets having horizontal floors at varying levels to make said pockets of varying heights for supporting knitting needles of varying lengths, with their upper ends lying in a single horizontal plane and in contacting relation with said cover, preventing shifting of said needles in said container, said cover being frictionally retained on said container and said container having a slot extending downwardly from its upper end and terminating in a enlarged aperture, said aperture being positioned directly below said cover to permit threading said yarn therethrough while said cover is in closed position, the lower edge of said cover when in closed position being above said aperture to retain said yarn in said container during knitting operations.

2,585,477
THERMOSTATIC CONTROL FOR HOT-WATER HEATERS AND THE LIKE
John H. Leslie, II, and William A. Marshall, Jr., Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application December 22, 1945, Serial No. 636,743
1 Claim. (Cl. 297—3)

In the combination which includes a water heater or the like having a metal surface heated on one side and cooled on the other side by water to be heated and a thermally responsive element immersed in water for regulating the heater according to the water temperature, the improvement in the thermally responsive element which comprises a thermostatic bulb, a generally tubular metallic element of relatively high thermal conductivity to support said bulb in the upper region of the water space in said heater in spaced relation to said surface, said bulb being telescopically received in and closely embraced by one end of said tubular element and the opposite end



of the latter being secured directly to said surface to form a metallic heat conducting path for rapidly conducting heat from said surface to said bulb whenever the level of the water falls below said opposite end, the wall of said tubular element having openings therethrough between said bulb and said opposite end to afford free passage of water between the inside and outside of said tubular element.

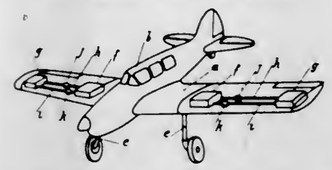
2,585,478
PRODUCTION OF OLEFIN OXIDES
Norman Levy, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 28, 1949, Serial No. 135,529. In Great Britain January 13, 1949
7 Claims. (Cl. 260—348.5)

1. A process for the production of ethylene oxide which comprises reacting in the vapor phase at a temperature of 150 to 400° C. a mixture of ethylene and an oxygen containing gas in which the proportion by volume of ethylene is up to 20% and of oxygen up to 20%, the molar ratio of oxygen to ethylene in the mixture being at least 1:1, in the presence of a silver-containing catalyst comprising separately prepared silver oxide in intimate admixture with from 0.5 to 50% of its own weight of a powdered material selected from the group consisting of fused silica and quartz, which powdered material is included within the intrinsic physical structure of the catalyst.

2,585,479
PRODUCTION OF OLEFIN OXIDES
Norman Levy, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 28, 1949, Serial No. 135,530. In Great Britain January 13, 1949
10 Claims. (Cl. 260—348.5)

1. A process for the production of ethylene oxide which comprises reacting in the vapor phase at a temperature of 150° to 400° C. a mixture of ethylene and an oxygen containing gas in which the proportion by volume of ethylene is up to 20% and of oxygen is up to 20%, the molar ratio of oxygen to ethylene in the mixture being at least 1:1, in the presence of a silver-containing catalyst comprising separately prepared silver oxide in intimate admixture with from 0.5 to 50% of its own weight of a powdered material selected from the group consisting of silica, quartz and a silicate and having a particle size of less than 100μ, which powdered material is included within the intrinsic physical structure of the catalyst.

2,585,480
DEVICE FOR CHANGING THE LOADING OF AIRCRAFT WINGS
Jean Makhonine, Paris, France
Application July 1, 1947, Serial No. 758,420
In France July 2, 1946
1 Claim. (Cl. 244—93)



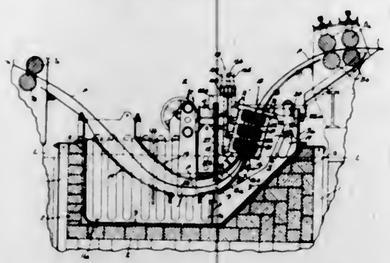
In an air craft, the combination of wings, a first reservoir carried by each wing adjacent the longitudinal axis of the craft, a second reservoir positioned adjacent the outer ends of each wing, conduit means connecting each outer reservoir with the inner reservoir of the same wing, said conduit means being adapted to carry liquid from one of said reservoirs to the other of said reservoirs, and pumping means in each of said conduit means, said pumping means being simultaneously actuatable to transfer equal quantities of liquid from said inner reservoirs to said outer reservoirs and from said outer reservoirs to said inner reservoirs whereby to effect symmetrical displacement of weight along said wings.

2,585,481
VEHICLE ACTUATED GATE
Louis G. Martin, San Antonio, Tex.
Application June 13, 1946, Serial No. 676,467
2 Claims. (Cl. 39—37)



1. In a horizontally swingable gate, spring-loaded latch means for holding the gate closed including a horizontal rod mounted on said gate and endwise movable for retraction to unlatch the gate, a vertical rock shaft journaled in said gate for rocking in opposite directions, a lever member fast on said shaft and projecting radially therefrom for swinging laterally in opposite directions from an intermediate position by impact of an automobile bumper against opposite sides of said member whereby to rock said shaft, and means for retracting said rod by rocking of said shaft in opposite directions, comprising a horizontal forked cam forming a V-notch and fast on one end of said shaft, and a roller fast on said rod and straddled by said notch for camming by opposite sides of said notch upon swinging of said member in opposite directions.

2,585,482
HYDRAULIC CONTROL FOR FINISHING ROLLS OF TERNE PLATE RIGS
Elwin A. Matteson, Youngstown, Ohio, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application August 6, 1949, Serial No. 109,026
7 Claims. (Cl. 118—114)



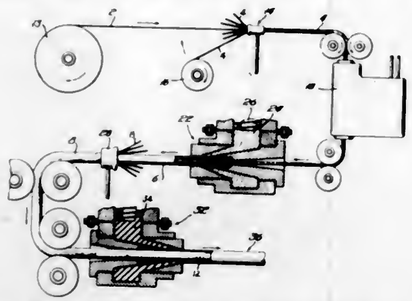
1. In a coating rig, a pot containing a coating liquid; a partition extending transversely of the pot from one side of the pot to the other; two side panels within the pot extending forwardly from the partition, one on one side of the pot and the other on the opposite side of the pot; a roll assembly between said side panels through which roll assembly the material being coated travels on its way out of the pot; and, urging the rolls in the roll assembly toward each other, a fluid-pressure motor mechanically linked to at least one of the rolls in the roll assembly, said fluid-pressure motor and the parts linking it to the roll being located between the two side panels in the space between the partition and the roll assembly.

2,585,483
PRODUCTION OF ETHYLENE OXIDE
Frank Clifford Mawer, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 3, 1950, Serial No. 136,653. In Great Britain January 13, 1949
4 Claims. (Cl. 260—348.5)

1. A process for the production of ethylene oxide which comprises reacting in the vapor phase at a temperature of 150 to 400° C. a mixture of ethylene and an oxygen containing gas in which the proportion by volume of ethylene is up to 20% and of oxygen up to 20%, the molar ratio of oxygen to ethylene being at least 1:1, in the presence of a catalyst comprising separately prepared silver oxide in intimate admixture with from 0.5 to 50% of its own weight of fused sodium aluminum silicate, said sodium aluminum silicate having silica and sodium oxide in proportion of from 2 to 6 mols, and from 0.5 to 3 mols, respectively, per mol of alumina.

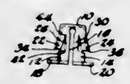
2,585,484
METHOD OF MAKING HIGH-FREQUENCY TRANSMISSION LINE
Herman C. Menes, Wyckoff, N. J., assignor to Fairchild Camera & Instrument Corporation, Jamaica, N. Y., a corporation of Delaware
Application June 25, 1947, Serial No. 756,873
9 Claims. (Cl. 154—2.28)

1. The method of continuously producing low-capacity coaxial transmission line comprising the steps of continuously surrounding an electrical conductor with continuous solid dielectric material so arranged as to form longitudinally along said conductor connected areas of fluid and solid dielectric material, continuously extruding a continuous sheath of dielectric material thereabout, braiding an outer conductor on said



sheath, and extruding an outer protective coating of insulating material around said outer conductor.

2,585,485
DISTORTABLE FASTENER
Raymond J. Miller, Detroit, Mich.
Application December 18, 1944, Serial No. 568,597
3 Claims. (Cl. 85—5)

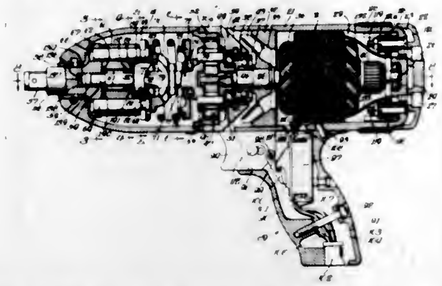


1. A threadless distortable fastener comprising a pair of substantially parallel confronting semi-cylindrical walls, a head interconnecting said walls at one end, each of said semi-cylindrical walls having a radially extended work engaging flange at its other end, and an angularly inclined work engaging projection carried by each of the semi-cylindrical walls and extending toward its associated work engaging flange, each of the semi-cylindrical walls providing a pair of spaced axially extending columns interconnecting the head and one of the radially extended work engaging flanges, the columns being relatively long and narrow so as to be readily distortable, the head and the work engaging flanges having spaced walls adapted to receive fastener distorting means to rotate the head and work engaging flanges angularly relative to each other to distort said columns beyond their elastic limits and move each work engaging projection toward its associated work engaging flange.

2,585,486
IMPACT TYPE CLUTCH
Walter G. Mitchell, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Aurora, Ill., a corporation of Delaware
Application March 17, 1949, Serial No. 81,966
19 Claims. (Cl. 192—30.5)

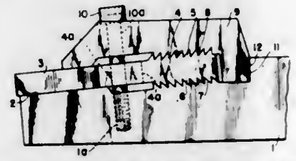
1. An impact clutch of the character described comprising relatively rotatable, axially aligned hammer and anvil members having axially opposed wall portions with abutments on the axially opposed wall portion of the anvil member, a plurality of impact means rotatably movable with said hammer and axially movable independently of said hammer into and out of the path of the abutments on the axially opposed wall portion of the anvil member for clutching and declutching said members and for imparting rotational hammer blows on the anvil member at said abutments, cam means for withdrawing the impact means out of the path of said abutments upon

impact of said impact means with said abutments, a spring for urging and returning said impact means into the path of said abutments,



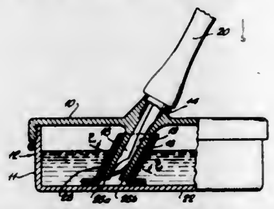
and means for distributing the forces of said spring and said cam means evenly on said impact means.

2,585,487
TOOLHOLDER
Dwight W. Moore, McKees Rocks, Pa.
Application April 25, 1950, Serial No. 157,865
3 Claims. (Cl. 29—96)



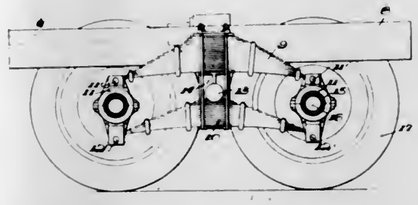
1. A tool holder comprising a shank having a tool bit seat adjacent one end thereof and having serrations adjacent the same end, an adjustable back-up plate arranged on said shank for endwise abutment of a tool bit, said back-up plate having on the top and bottom sides serrations which are advanced one with respect to the other one-half pitch, a clamp arranged on said shank for affixing said back-up plate and a tool bit to said shank, said clamp having serrations adjacent one end thereof, said serrations on said shank and said clamp being complementary to the serrations on said back-up plate, said serrations on the shank, back-up plate, and clamp being adapted for preventing longitudinal movement therebetween, and means for securing said clamp to said shank.

2,585,488
PEN SUPPORTING HEAD FOR REPLACEABLE INK CONTAINERS
Gorton P. Morgan, Westport, Conn.
Application February 20, 1946, Serial No. 648,845
6 Claims. (Cl. 120—57)



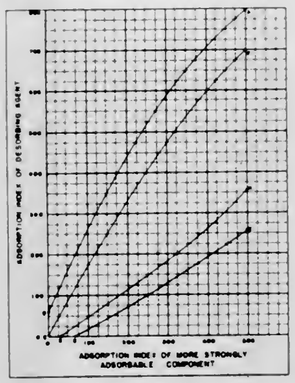
1. A receptacle structure for supporting a pen comprising, an ink receptacle, and removable cover therefor, said cover having a portion formed so that it extends below the body of the cover containing an aperture conforming to the transverse cross sectional shape of a pen nib and feed bar assembly, including spaced substantially parallel guard members depending from opposite sides of said aperture and serving as guides and guards for the front of the nib and the back of the feed bar, said means being discontinuous leaving the sides of the nib and feed bar uncovered, and a sleeve of open cellular structure surrounding said guards and contacting the sides of the pen and feed bar and extending to adjacent the bottom of the ink container.

2,585,489
SHACKLE AND MOUNTING THEREFOR
Albert F. Myers, Berkley, Mich., assignor to Patent Developers, Inc., Detroit, Mich., a corporation of Michigan
Application April 21, 1949, Serial No. 88,783
12 Claims. (Cl. 267—54)



1. A two-part actual mounting spring shackle one part having a semi-cylindrical cavity, a yieldable semi-cylindrical bushing for the cavity the bushing being thicker than the cavity is deep and the side edges of the bushing being beveled and bearing against the rigid parting surface of the other half of the shackle.

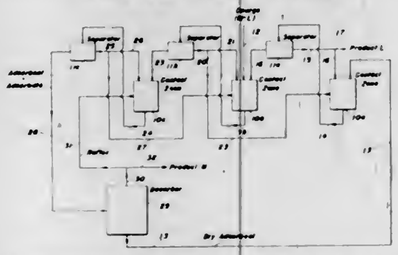
2,585,490
CONTINUOUS ADSORPTION PROCESS
John L. Olsen, Upland, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application March 31, 1949, Serial No. 84,590
9 Claims. (Cl. 260—674)



1. Continuous process for separating a liquid charge mixture of organic materials of different adsorbabilities which comprises: passing a particulate adsorbent in the form of a continuous moving bed through an elongated column having an adsorption section adjacent one end, a desorption section adjacent the other end and an intermediate enriching section, the adsorbent being

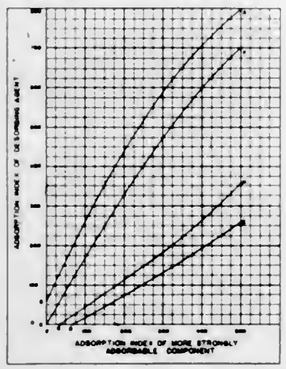
introduced into the column at the adsorption section end and being withdrawn therefrom at the desorption section end; introducing in liquid phase into the moving adsorbent the liquid charge at a locus intermediate the adsorption and enriching sections and a liquid desorbing agent adjacent the end of the column at which adsorbent is withdrawn, said desorbing agent having an adsorption index falling within the area FCGH of Fig. 2; returning adsorbent, saturated with desorbing agent, as withdrawn from the column directly to the opposite end for re-use without further regeneration; flowing the liquid charge within said adsorption section countercurrent to the adsorbent to selectively adsorb the more adsorbable charge component therefrom while displacing desorbing agent from the adsorbent; withdrawing a liquid stream, rich in the less adsorbable charge component and containing desorbing agent, adjacent the end of the column at which adsorbent is introduced and separating desorbing agent therefrom by distillation; flowing a portion of the desorbing agent introduced into the column through said desorption section to desorb the more adsorbable charge component from the adsorbent; withdrawing a liquid stream comprising desorbing agent and more adsorbable charge component at a locus intermediate the enriching and desorption sections and separating desorbing agent therefrom by distillation.

2,585,491
CONTINUOUS ADSORPTION PROCESS
John L. Olsen, Upland, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application April 14, 1949, Serial No. 87,489
12 Claims. (Cl. 260—674)



1. Continuous process for separating a liquid charge mixture of organic materials of different adsorbabilities by means of a selective adsorbent which comprises passing a particulate adsorbent, in the manner hereinafter specified, through a plurality of contact zones in series, introducing a liquid stream of the charge into one of said contact zones other than the last in said series, maintaining in each contact zone a suspension of adsorbent in the organic liquid being treated therein, withdrawing from each contact zone a stream of such suspension and feeding it to an individual separation zone, therein separating non-adsorbent liquid from adsorbent and adsorbate, continuously introducing the separated adsorbent and adsorbate from each individual separation zone other than the last into the contact zone next downstream with respect to the direction of adsorbent flow through the system, continuously returning a portion of such non-adsorbed liquid from each individual separation zone to the contact zone from which it was withdrawn, continuously passing the remainder of such non-adsorbed liquid from each separation zone other than the first to the next upstream contact zone, withdrawing as a product of the process such remainder of non-adsorbed liquid obtained from the first separation zone, passing the adsorbent and adsorbate obtained from the last separation zone to a desorption zone and therein removing adsorbate from the adsorbent, continuously returning a portion of the removed adsorbate having essentially the same composition as the total adsorbate to the last contact zone as reflux, withdrawing the remainder of the removed adsorbate as the other product of the process, and returning dry adsorbent to the first contact zone for re-use in the process.

2,585,492
CONTINUOUS ADSORPTION PROCESS
John L. Olsen, Upland, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application April 14, 1949, Serial No. 87,490
11 Claims. (Cl. 260—674)



1. Continuous process for separating a liquid charge mixture of organic materials of different adsorbabilities by means of a selective adsorbent which comprises introducing a particulate adsorbent, saturated with a desorbing agent as hereinafter specified, into the first of a series of contact zones and passing the adsorbent through said series of contact zones in the manner hereinafter specified, introducing a liquid stream of the charge into one of said contact zones other than the last in said series, maintaining in each contact zone a suspension of adsorbent in the organic liquid being treated therein, withdrawing from each contact zone a stream of such suspension and feeding it to an individual separation zone, therein separating non-adsorbed liquid from adsorbent and adsorbate, continuously introducing the separated adsorbent and adsorbate from each individual separation zone other than the last into the contact zone next downstream with respect to the direction of adsorbent flow through the system, continuously returning a portion of such non-adsorbed liquid from each individual separation zone to the contact zone from which it was withdrawn, continuously passing the adsorbent and adsorbate obtained from the last separation zone to a desorption zone, therein treating the adsorbent with a liquid organic solvent desorbing agent to displace the adsorbate from the adsorbent, said desorbing agent having an adsorption index falling within the area ABCDE of Fig. 2, withdrawing a mixture of desorbing agent and displaced adsorbate from the desorption zone and introducing it into a recovery zone, therein recovering the desorbing agent from said absorbate, continuously returning a portion of the adsorbate having essentially the same composition as the total adsorbate to said last contact zone as reflux, withdrawing the remainder of the adsorbate as one product of the process, passing the remainder of non-adsorbed liquid obtained from the first separation zone to a second recovery zone and therein recovering desorbing agent from the material derived from the discharge, withdrawing such material as the other product of the process, and returning adsorbent saturated with desorbing agent to said first contact zone for re-use in the process.

2,585,493
PROCESS FOR DESTROYING PESTS COMPRISING THE APPLICATION OF THE DIBUTYL ACETAL OF AMINOACETALDEHYDE TO THE PEST
Emily M. Owen, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 19, 1948, Serial No. 61,140
1 Claim. (Cl. 167—22)

A process for destroying pests which comprises applying thereto dibutyl acetal of aminoacetaldehyde.

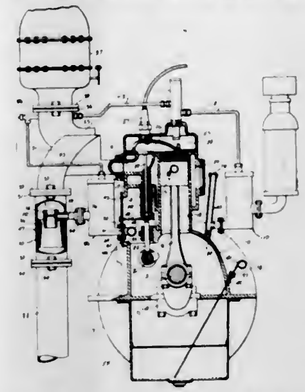
2,585,494
FISH LURE
Aade Peito, Aurora, Minn.
Application August 6, 1948, Serial No. 42,910
2 Claims. (Cl. 43—42.49)



1. A fish lure comprising a plate having a transverse bend extending from side to side thereof to divide the plate into two sections, said sections being flat, a guide rising from the top surface of said plate and extending in advance thereof, a line attachment mechanism slidably secured to said guide and operable to positions in advance of and above said guide, and means in said plate at the edges thereof and at the ends of said bend for attaching a fish hook thereto.

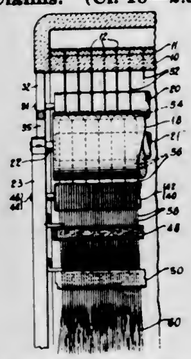
2,585,495
ENGINE CRANKCASE SCAVENGING APPARATUS
Marshall W. Phillips, Lima, Ohio
Application January 13, 1950, Serial No. 138,403
9 Claims. (Cl. 123—41.86)

4. Engine crankcase scavenging means comprising an exhaust pipe section having a venturi therein, a tubular stem extending from the venturi through the wall of said exhaust pipe section for the suction of fluid into said section by said venturi, an oil separator device disposable in an engine crankcase and having an outlet fitting for the passage of gases and vapors therefrom, conduit means extending from said outlet fitting toward said tubular stem, and a combined heat insulator and flame shield disposed between said conduit means and said tubular stem, said conduit means and said combined heat insulator and flame shield providing a fluid passage from said oil separator to said tubular stem, said conduit means including a pressure operated cut off valve, spring closed to cut off said tubular stem from said oil separator device and opened by subatmospheric engine intake manifold pressure to pneumatically connect said tubular stem with said oil separator device during engine operation, a crankcase air inlet fitting, a second cut off valve connected to said inlet fitting and spring closed



to cut off crankcase inlet air, conduit means connected to said second cut off valve for applying subatmospheric engine intake manifold pressure to the valve to open the latter and admit crankcase inlet air, and an engine temperature responsive valve connected into said last mentioned conduit means to delay opening of said second cut off valve until said temperature responsive valve is subjected to normal operating engine temperature.

2,585,496
METHOD AND APPARATUS FOR THE MANUFACTURE OF FINE FIBERS
Edward R. Powell, North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application April 21, 1949, Serial No. 88,736
16 Claims. (Cl. 18—2.5)



9. In an apparatus for the manufacture of fine fibers from thermoplastic melts, the improvement comprising, means for supplying a stream of molten thermoplastic material, means for pressing the stream into a relatively broad ribbon, means for mechanically subdividing the ribbon into a plurality of substantially individual rods, means for heating said rods to fluidify the same, and means for stretching the fluidified rods into fine fibers.

2,585,497

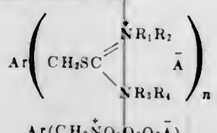
SOLUBLE ONIUM SALTS OF HALOGENMETHYLATED THIOINDIGOS

David I. Randall and Carl M. Smith, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

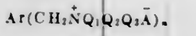
No Drawing. Application December 30, 1949, Serial No. 136,154
6 Claims. (Cl. 260—332)

1. The soluble onium salts of halogenmethylated thioindigo dyes of the class consisting of those having the formulae:

(1)

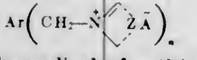


(2)



and

(3)



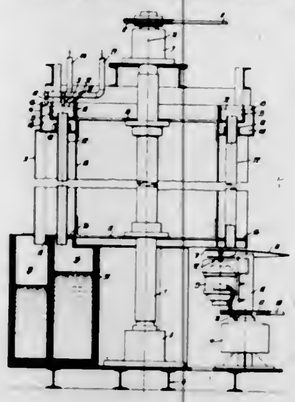
wherein Ar is the radical of a thionindigo compound; R_1, R_2, R_3, and R_4 are members of the group consisting of alkyl, alkylene, phenyl and hydrogen of which R_3 and R_4 may together form a closed ring system; Q_1, Q_2, and Q_3 are members of the group consisting of alkyl, alkylol, and benzyl; Z indicates the C atoms necessary to complete a 6-membered ring system selected from the group consisting of pyridine, picoline, isoquinoline and quinoline; A is selected from the group consisting of chlorine, bromine and sulfate; and n is an integer from 1 to 3.

2,585,498

ICE BLOCK MAKING MACHINE

James C. Rear and Frederick J. Bobby, Berkeley, Calif., assignors to The Union Ice Company, San Francisco, Calif., a corporation of California

Application October 19, 1948, Serial No. 55,418
6 Claims. (Cl. 62—106)



1. An ice block making machine comprising a frame, a spindle mounted on said frame for rotation about a vertical axis, an upright tube mounted on said spindle and displaced from said axis, means for refrigerating said tube during part only of its rotation with said spindle, means for supplying said tube with water during said part of its rotation, and means on said frame for directly supporting the bottom of ice released from said tube during another part of its rotation.

2,585,499

PRODUCTION OF SHAPED ARTICLES FROM ACRYLONITRILE POLYMERS

George M. Rothrock, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 29, 1948, Serial No. 41,401
8 Claims. (Cl. 18—54)

1. A process for the production of shaped articles from acrylonitrile polymers containing at least 85% acrylonitrile which comprises impregnating the said polymers in solid, comminuted form with from 10% to 80% of a hydroxylated substance selected from the group consisting of ethylene glycol, glycerol and phenol; heating the resultant impregnated polymers in an enclosed chamber having an extrusion orifice; exerting pressure on said impregnated polymers in said chamber, thereby extruding them through said orifice; and setting the resultant shaped articles.

2,585,500

CURTAIN RING

Edmond J. Roy, Hollywood, Calif., assignor of one-half to Flora I. Roy, Hollywood, Calif.

Application February 3, 1950, Serial No. 142,277
1 Claim. (Cl. 16—87.2)



A curtain ring comprising an annular outer member having an inner edge provided with an annular groove, said outer member being provided in one side thereof with an opening connecting with said groove, and an expansible and contractable inner member of resilient material removably positioned in said groove, said inner member having spaced opposing end portions and being provided intermediate the ends thereof with a depending U-shaped detent extending through said recess beyond the outer edge of said outer member, said detent engaging the ends of said opening to prevent motion of the inner member relative to the outer member.

2,585,501

MANUFACTURE OF CHEESE

Louis Leon Rusoff and Alcee Joseph Gelpi, Jr., Baton Rouge, La., assignors to Board of Supervisors of Louisiana State University and Agricultural and Mechanical College, Baton Rouge, La.

No Drawing. Application January 30, 1951, Serial No. 208,664
4 Claims. (Cl. 99—116)

1. The process of treating cheese prior to curing, which includes the steps of applying an antibiotic solution to the surface of the cheese, and drying the surface.

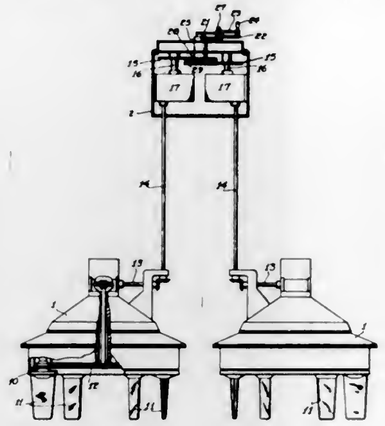
2,585,502

PROPELLER THRUST COORDINATING MECHANISM

George F. Schneider, Shaker Heights, Ohio, assignor to Kurt F. J. Kirsten, Seattle, Wash.

Application April 8, 1947, Serial No. 740,223
11 Claims. (Cl. 115—52)

1. Thrust control mechanism for twin cycloidal propellers or the like, each having a thrust direction control adjustable to alter the direction of the thrust produced by its propeller, which mechanism comprises a first arm, means operatively connecting said first arm to the thrust direction control of one of the twin propellers to effect thrust direction altering adjustment thereof by swinging of said first arm for maintaining the thrust vector of such one propeller always parallel to said arm, a second arm operatively connecting said second arm to the thrust direction control of the other of the twin propellers to effect thrust direction altering movement thereof by swinging of said second arm for maintaining



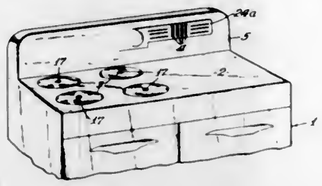
the thrust vector of such other propeller always parallel to said second arm, pivot means supporting said arms for swinging about a common rotative axis, a universally movable thrust coordinating handle, and means operatively connecting said handle to both of said arms, said handle being movable about such common rotative axis of said arms to effect conjoint swinging thereof, to adjust the thrust direction controls of both twin propellers conjointly for altering the thrust vectors of the two propellers simultaneously and through angles respectively equal to the angles of swing of said arms.

2,585,503

SELECTOR SWITCH SIGNALING SYSTEM FOR ELECTRIC RANGES AND THE LIKE

Herman W. Schulze, Elmwood Park, Ill., assignor to Hotpoint Inc., a corporation of New York

Application November 29, 1950, Serial No. 198,152
4 Claims. (Cl. 177—311)



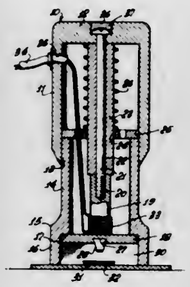
1. In an electric range having a plurality of heating units each having at least one heating element and a selector switch for each unit, said selector switch being operable to an "off" position in which the heating is de-energized and to any of a plurality of other positions for closing circuits to the heating element of the associated heating unit to produce a desired thermal output, the combination of lamp means arranged to illuminate said switch in its "off" position and in any of its circuit closing positions, a circuit including said selector switch and said heating element circuits to energize said lamp whenever said switch is in any of its heating element circuit closing positions, a second circuit for illuminating said lamp means, and a switch disposed at each said heating unit to close said second circuit when a cooking vessel is placed on said unit, whereby to energize said lamp means of the selector switch associated with said unit when the selector switch is in "off" position.

2,585,504

PORTABLE BRANDING DEVICE

Deane Carlisle Severance, Huntington Park, Calif.

Application January 14, 1950, Serial No. 138,544
2 Claims. (Cl. 219—30)



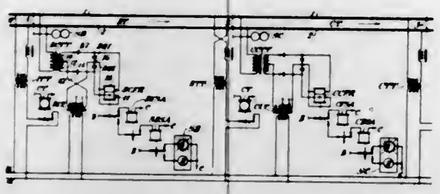
1. In a hand operated portable device for hot branding metal foil into a surface, comprising: a hollow cylindrical hand hold body made of dielectric material and provided with an upper end wall and an open lower end; a hollow guard member of dielectric material provided with an upper tubular extension telescopically received within the lower open end of the hand hold body and with a lower guard portion of polygonal section; an internal downwardly facing shoulder between said guard portion and the extension; a central downwardly extending post secured to said upper end wall and extending into said extension; a branding head carried by the lower end of said post, said head being polygonal in plan to nonrotatably and slidably fit within said guard portion, peripheral margins of said head being adapted to seat on said shoulder for holding said hand hold body and guard member in assembled relation; a spring seat carried by the upper end of said extension; spring means compressed between the spring seat and the upper end wall of the hand hold body for biasing the guard member downwardly to cover the branding head and to cause said head to seat on said shoulder; resistance means within the guard member and adjacent to the branding head; dovetail groove means extending across the bottom face of the branding head for reception of brand means; means including opposed aligned slots in the bottom margins of the lower guard portion for holding strip metal foil in alignment with said brand means while said head is retracted in normal assembled relation; said polygonal branding head being movable beyond the edge of the lower guard portion by downward pressure applied to the hand hold body for positioning said head on said edge by rotation of said hand hold body for interchanging the brand means.

2,585,505

RAILWAY SIGNALING SYSTEM

Douglas Goldie Shipp, London, England, assignor, by mesne assignments, to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application February 20, 1947, Serial No. 729,824
In Great Britain March 1, 1946
6 Claims. (Cl. 246—34)



1. In a coded railway signaling system for a stretch of railway track in which the track rails are divided into insulated track sections including a rear section and a forward section, the entrance end of said forward section adjoining the exit end of said rear section, a coded track circuit system for said stretch comprising, in combination, a source of alternating current, means for each section for supplying coded alternating current from said source to the rails at the exit end of such section, so arranged that the current supplied to the rails of adjoining sections is opposite in phase, a polarized relay for detecting occupancy of said forward section having a contact biased to a released position, a first and a second supply circuit for said relay each including a half wave rectifier for governing the operation of its contact, a track transformer having a primary winding connected across the rails at the entrance end of said forward section and a secondary winding having a first portion connected to said first supply circuit and a second portion connected to said second supply circuit, the rectifiers in said supply circuits being so poled that when alternating current is supplied to said primary winding the voltage induced thereby in said portions during one half of each alternating current cycle tends to cause current to flow in a first direction in the first supply circuit only while during the other half of each cycle it tends to cause current of the same value to flow in the opposite direction in the second supply circuit only, phase discriminating means which locally superimposes a voltage of constant effective value derived from said alternating current source on both said supply circuits, said superimposed voltage being higher in value than said induced voltage and of such phase that when the induced voltage is due to current supplied at the exit end of the same section the local and induced voltages are additive in said first supply circuit and in opposition in said second supply circuit, the resultant voltage being effective during said one half only of each cycle to cause pulsating current to flow in said first direction in said first supply circuit and in the opposite direction in said second supply circuit, means comprising said supply circuits for causing the relay contact to assume its picked-up position when and only when the pulsating current in said first supply circuit exceeds the opposing current in said second supply circuit, and code detecting means governed by said contact.

2,585,506

STABILIZATION OF HALOGEN-CONTAINING ORGANIC MATERIALS

Edward C. Shokal, Oakland, De Loss E. Winkler, Berkeley, and Paul A. Devlin, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 21, 1948, Serial No. 34,346
2 Claims. (Cl. 260—30.4)

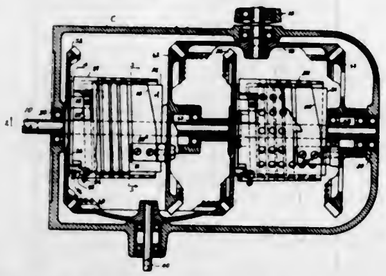
1. A composition of matter comprising a high molecular weight halogenated hydrocarbon in admixture with from about 2 to 5%, based on the weight of halogenated hydrocarbon, of liquid polymer of allyl glycidyl ether, which polymer contains at least three epoxide groups per molecule.

2,585,507

POWER ACTUATOR WITH PILOT CONTROL

Frederick B. Small, Waterloo, N. Y., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y., a corporation of Massachusetts

Application June 23, 1949, Serial No. 100,905
8 Claims. (Cl. 74—388)



1. A power actuator comprising a continuously rotated power shaft, an output shaft, power-transmitting means mounted on and continuously rotated by said power shaft and comprising axially-spaced cylindrical operative portions rotated in the same direction, a spiral band loosely encircling one of said operative portions, gearing connecting one end of said spiral band to said output shaft, a second spiral band loosely encircling the second operative portion, reverse gearing connecting one end of said second spiral band to said output shaft, a normally-stationary pilot device, and connections from said pilot device to the second end of each band, said pilot device being effective to tighten a selected band on its associated operative portion by rotary movement of said pilot device in a selected direction, and said power shaft and transmitting means being effective through said selected band and associated gearing to turn said output shaft in a coordinated direction until movement of said pilot device ceases and until the selected band is loosened by further turning movement of said transmitting means.

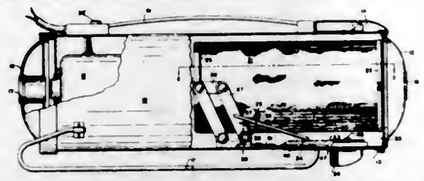
2,585,508

FILTER SHAKER FOR SUCTION CLEANERS

Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 28, 1946, Serial No. 718,959
7 Claims. (Cl. 183—58)

1. In combination, a suction cleaner casing, a filter bag within said casing having one end supported thereby, linkage means connected to the opposite end of said bag including a spring for normally biasing said bag in a direction to maintain the walls thereof under slight tension, manually operable means connected to said spring and linkage means for collapsing said filter bag and simultaneously stressing said spring and including a releasable connection which opens after a predetermined movement of said manually operable means whereby the energy stored in said spring operates to tension said filter abrupt-



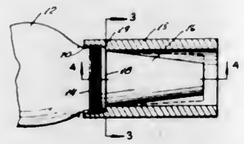
ly to dislodge dirt therefrom, and linkage means providing a permanent connection between said spring and said manually operable means for additionally stressing said spring as said filter is collapsed whereby, upon the opening of said releasable connection, the energy stored in said spring during the collapse of said filter is available to tension the same abruptly, to return said manually operable means to the initial position thereof and to reclose said releasable connection.

2,585,509

SELF-ADJUSTING FIRE NOZZLE

Charlie W. Smith, Little Rock, Ark.

Application November 4, 1949, Serial No. 125,504
1 Claim. (Cl. 299—133)



A self adjusting hose nozzle for attachment to the end of a high pressure hose comprising an open ended cylindrical member having one end adapted to be secured on said end of said hose, a tip member fabricated of an elastic non-metallic material positioned longitudinally within said cylindrical member and having one end secured therein in communication with said end of said hose and having the other end terminating contiguous to and spaced inwardly from the other end of said cylindrical member and providing an outlet orifice, said tip member being tapered inwardly from said one end to said other end thereof whereby upon flow of water through said tip member, said orifice automatically adjusts in size in accordance with the degree of water pressure in said hose, and means carried by said tip member for preventing the permanent distortion of the latter, said means comprising a plurality of circumferentially spaced longitudinally extending strips fabricated of resilient material embedded in said tip member.

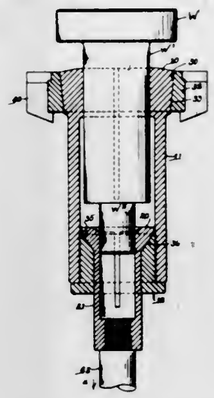
2,585,510

DOUBLE GRIP COLLET-TYPE CHUCK

Edwin R. Smith, Seneca Falls, N. Y., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y., a corporation of Massachusetts

Application November 8, 1947, Serial No. 784,826
4 Claims. (Cl. 279—46)

3. A double grip collet chuck comprising a ring fixed in said chuck and having a tapered inner bearing surface, a sleeve axially movable in said chuck and carrying a first set of collet jaws which are slidable in said ring and which engage said bearing surface, said sleeve also having a tapered bearing surface of steeper slope than the bearing surface of said ring, a member slidable axially in



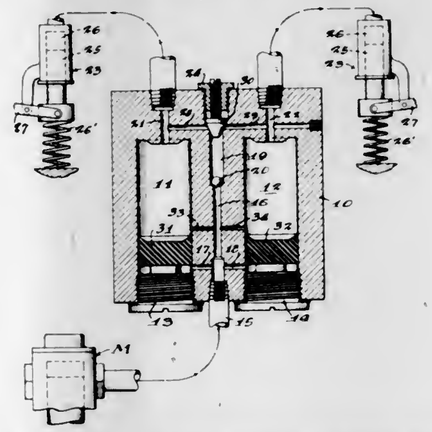
said sleeve and carrying a second set of collet jaws having tapered outer surfaces engaging the tapered bearing surface in said sleeve, and means to move said member axially and to thereby render said member effective to close said first and second sets of collet jaws successively on a single piece of work positioned in said chuck.

2,585,511

HYDRAULIC SAFETY DEVICE

Albert J. Sparks and Harvey R. Sparks, Lambertville, Mich.

Application February 10, 1951, Serial No. 210,348
16 Claims. (Cl. 60—54.6)

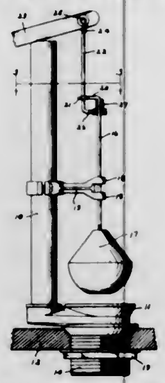


16. In a fluid operated system, a safety device comprising a cylinder connected at one end thereof to a source of fluid under variable pressure, an outlet at the other end of the cylinder, a channel extending between the source of pressure and the outlet, a valve operable to prevent the flow of fluid to the outlet, a one-way valve positioned in said channel and operable to prevent flow of fluid in said channel in the direction of the source of fluid, and a freely reciprocable piston positioned in said cylinder.

2,585,512
NONYL AMINE SALTS OF PENICILLIN
Frank W. Staab, Fayetteville, N. Y., assignor to Bristol Laboratories Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 9, 1951, Serial No. 210,291
2 Claims. (Cl. 260—239.1)

1. A salt of penicillin and 3,5,5-trimethylhexylamine.

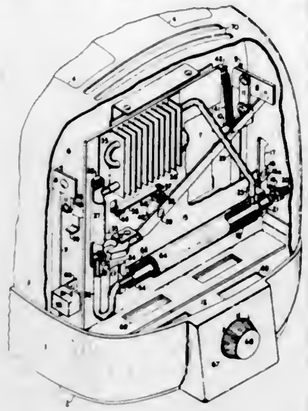
2,585,513
FLUSH BALL CONTROL TANK
Bernard D. Stuvel, Indianapolis, Ind.
Application October 25, 1948, Serial No. 56,270
1 Claim. (Cl. 4—57)



In a flush tank having an outlet opening controlled by a ball, a stem rising from the ball; a lift wire engaging the stem in a lost motion manner, and a guide through which the stem is initially slidingly guided in a stem axial direction, said guide being subject to wear by said stem over a period of usage to allow said stem to wobble laterally in travel through the guide, mechanism for overcoming said wobble travel comprising a foot extending laterally from said wire; an elongated sleeve bearing carried by said foot through which said stem may slidably travel and be maintained against relative wobble travel therethrough, the stem being maintained in substantial parallelism with said wire; and a laterally turned upper end on said stem, said upper end having a passageway therethrough, the axis of which passageway is parallel to the axis of said wire and the axis of said sleeve bearing; said sleeve bearing being located above said guide; whereby upon wear of said guide, direction of axial travel of said stem is maintained by said sleeve bearing and wire through said upper stem end passageway, to be confined approximately to longitudinal movement on the vertical axis of said outlet opening.

2,585,514
TOASTER TIMING MECHANISM
Otis B. Sutton, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 21, 1949, Serial No. 94,567
21 Claims. (Cl. 161—1)

1. In a cooking device, an oven, means for heating said oven, a timing mechanism including a thermally responsive device in heat exchange with a volatile cooling medium, a second means for heating said device and said volatile cooling medium, a condenser and liquid receiver structure arranged to condense vapor of cooling medium driven off by said second heating means and to return the condensed cooling medium into heat exchange with said device, timing period initiating means arranged to activate both of said heating means to initiate a cooking operation, means arranged to be operated by said thermally responsive device responding to a temperature



condition above the boiling temperature of said cooling medium to de-activate both of said heating means to terminate a cooking operation, and means operated by said initiating means to block flow of liquid cooling medium from said receiver into heat exchange relation with said thermally responsive device for the duration of a cooking operation.

2,585,515
ADHESIVE STRUCTURE
Henry H. Talboys, Milwaukee, Wis.
Application January 19, 1949, Serial No. 71,706
2 Claims. (Cl. 154—49)



1. In combination, in an adhesive structure, a plurality of flexible suction cups the interior surfaces of said flexible suction cups being smooth and substantially free of inwardly projecting protuberances, and a means for connecting said suction cups consisting of a sheet which integrally joins said suction cups at a point intermediate the deepest points of said cups and the rims thereof, said connecting sheet being of uniform thickness throughout and the entire surface of said connecting sheet being above the rims of said cups.

2,585,516
PREPARATION OF IMPREGNATED CELLULOSE AND CELLULOSE ESTERS THEREFROM
John Cunningham Thomas, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 23, 1948, Serial No. 16,621
15 Claims. (Cl. 260—229)

6. Fibrous cellulose impregnated with a carboxylic acid compound selected from the group consisting of carboxylic acid amides, carboxylic acid ammonium salts and carboxylic acid amine salts, said amine having at least one amino hydrogen, and a compound of an inorganic sulfoxy acid selected from the group consisting of sulfuric acid, partial esters and amides thereof, sulfurous acid, thiosulfuric acid, tetrathionic acid, persulfuric acid, and salts of said acids with ammonia and amines having at least one amino hydrogen, the total concentration being from 20% to 40% of the weight of said cellulose and the ratio of said carboxylic acid compound to said compound of inorganic sulfoxy acid being from 40:1 to 3:1.

9. A process for the preparation of cellulose derivatives which comprises impregnating cellulosic materials with a mixture of urea and ammonium sulfate and esterifying the resultant impregnated cellulose with acetic anhydride.

2,585,517
HEATING AND COOLING SYSTEM FOR BEDS
Willard R. Tolen, Riverside, Calif.
Application March 31, 1947, Serial No. 738,484
1 Claim. (Cl. 4—160)

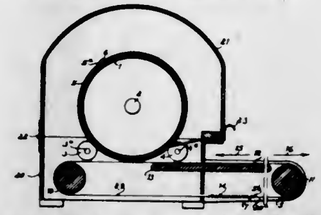


In a bed, the combination of a head portion a foot portion, a mattress supported by said portions, a heat conducting plate within said mattress, a flexible leak-proof container embedded within said mattress and extending longitudinally and transversely of the same and supported upon said heat conducting plate, an inlet pipe extending from one end of said container, hot and cold water conduits adapted to be connected to a source of hot and cold water, respectively, a thermostatic mixing device attached to said conduits and said inlet pipe, a drain outlet in said container, an air compartment coextensive with said mattress and underneath the same, said air compartment being in heat-receiving relationship with said fluid-tight container, telescoping tubular sleeves extending through said mattress and said heat conducting plate into communication with said air compartment whereby air from said compartment may flow through said sleeves, and an electric fan in said air compartment forcing air therefrom through said sleeves.

2,585,518
PROCESS OF TREATING SYNTHETIC YARNS
Marie Joseph André Valentin, Tourcoing, France, assignor to "Etablissements Francois Masurel Freres," Tourcoing, Nord, France, a company
No Drawing. Application December 2, 1950, Serial No. 198,909. In France October 26, 1950
6 Claims. (Cl. 57—157)

1. A process of treating synthetic yarns consisting in separately supertwisting two elementary yarns in opposite directions, subjecting the twisted yarns to heat and separately winding them on to a holder, further supertwisting the yarns in their respective original directions, again subjecting them to heat and rewinding them on to a holder, completely untwisting the two yarns, and twisting the two yarns together under substantial tension, thereby producing a multiple strand yarn with latent crimp effecting physical properties.

2,585,519
EXPOSING APPARATUS FOR PHOTOGRAPHIC CONTACT PRINTING
Lodewijk Pieter Frans van der Grinten, Venlo, Netherlands, assignor to Chemische Fabriek L. van der Grinten, Venlo, Netherlands, a company of the Netherlands
Application July 16, 1947, Serial No. 761,314
In the Netherlands July 17, 1946
2 Claims. (Cl. 95—77.5)



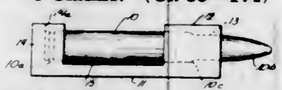
1. An apparatus for exposing flexible sheet materials in photographic contact printing, comprising a hollow rotatable cylinder of light-pervious material, a light source within the cylinder and a flexible sheet for applying said sheet materials to the surface of the cylinder for exposure, said flexible applying sheet being of a length sufficient to substantially encircle the cylinder and having connected with at least one of its ends a lengthening extension in the form of spaced flexible drawing members located on either side of the body of the sheet, the interconnected sheet and extension passing about the cylinder as a loop thereon from which portions of said sheet and extension, respectively, extend in opposite directions so that they cross each other adjacent the cylinder with the sheet passing between the spaced drawing member, said drawing members being connected with both ends of said sheet so that the sheet and the drawing members together constitute an endless belt.

2,585,520
LUBRICATING COMPOSITIONS CONTAINING HIGHLY BASIC METAL SULFONATES
Paul R. Van Ess and Hulbert E. Sipple, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 3, 1948, Serial No. 63,446
11 Claims. (Cl. 252—33)

8. A mineral lubricating oil comprising a major proportion of a mineral lubricating oil and a minor portion of an oil-soluble highly basic divalent metal petroleum sulfonate of a strongly basic metal of group II of the periodic table, which has a free basicity substantially greater than that of the corresponding monobasic divalent metal petroleum sulfonate ($RSO_3.M.OH$—wherein M is the divalent metal and RSO_3 is petroleum sulfonate), the highly basic petroleum sulfonate being prepared by intimately contacting about one mol proportion of an oil-soluble petroleum sulfonate of a strongly basic metal of group II of the periodic table dissolved in a water-immiscible organic solvent therefor, which is non-reactive with divalent metal alcoholates, with at least about two mol proportions of an alcoholate of a strongly basic divalent metal of group II of the periodic table and a lower molecular weight monohydric simple alcohol of 1 to 4 carbon atoms under substantially non-aqueous conditions, subsequently treating the solvent solution of the resulting product with water to hydrolyze the alcoholate to an hydroxide and recovering the result-

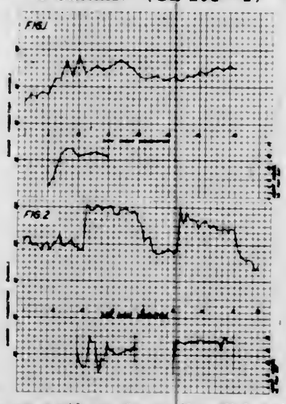
ing oil-soluble highly basic divalent metal petroleum sulfonate from residual water and alcohol.

2,585,521
AMMUNITION CARTRIDGE GAUGE
Harry Wandrus, Milwaukee, Wis.
Application August 10, 1948, Serial No. 43,412
3 Claims. (Cl. 33—174)



1. A cartridge gauge comprising a base having laterally projecting blocks spaced at opposite ends of the base, one of said blocks being formed with a longitudinal opening extending through opposite ends of the block and opening through the laterally outward side of the block, the laterally inward side of said opening being contoured to conformably seat the shoulder and the bullet holding neck on the forward end of a cartridge, the other block being formed with a longitudinal opening extending through the end of the block facing said one block and terminating in longitudinally spaced relation to the other end of the block and opening through the laterally outward side thereof, the laterally inward side of the opening in said other block being contoured to conformably seat the firing rim and adjacent rear portion of the case of the cartridge.

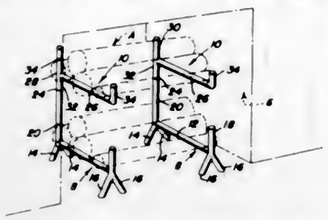
2,585,522
METHOD OF INCREASING THE PRODUCTIVITY OF OIL WELLS
Euclid V. Watts, South Pasadena, and Bert Folda, Jr., Los Angeles, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application March 8, 1947, Serial No. 733,282
2 Claims. (Cl. 103—1)



1. In the operation of an oil well having a pump and tubing through which oil is pumped, the step of introducing a minute quantity of a dihydrocarbon silicone into the space within the well surrounding the tubing, whereby the productivity of said well is increased, the quantity of said silicone so introduced being from one-half part per million to five parts per million figured on the net volume of oil produced by said well.

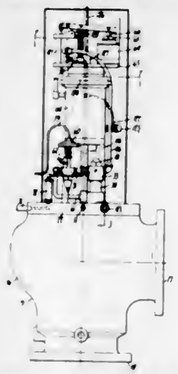
2,585,523
FIREPLACE ANDIRONS WITH AUXILIARY LOG PACKING MEANS
Russell E. Wellman, Ottumwa, Iowa
Application December 28, 1949, Serial No. 135,319
4 Claims. (Cl. 126—298)

1. An andiron comprising a lower grate unit embodying a horizontal grate bar having supporting feet, said grate bar having upwardly extending log retaining dogs mounted thereon, one of said dogs having a reduced shank on its upper end, and an upper grate unit having



a dog-equipped horizontal grate bar and a depending socketed portion, said socketed portion being detachably and swingably mounted on said shank.

2,585,524
SURGE PREVENTER
Ira Morgan White, Oakland, Calif., assignor to The Pelton Water Wheel Company, San Francisco, Calif., a corporation of California
Original application March 8, 1941, Serial No. 382,381, now Patent No. 2,369,510, dated February 13, 1945. Divided and this application December 28, 1944, Serial No. 570,100
7 Claims. (Cl. 137—78)

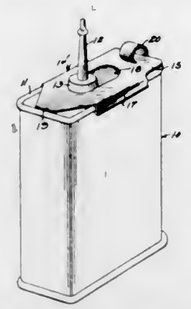


1. A surge preventer adapted to be connected to a pipe line having a pump for maintaining pressure in said pipe line with an electric motor for driving said pump and an electric circuit for said motor, said surge preventer comprising a valve urged from closed position toward a predetermined open position for releasing fluid from said line, means electrically responsive to said circuit effective when energized for holding said valve in closed position and when deenergized for releasing said valve to move to said open position, and means for preventing reenergization of said means after deenergization thereof until said valve has moved to said open position.

2,585,525
SEPARATION OF XYLENE
William F. Yates, Texas City, Tex., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 26, 1950, Serial No. 164,620
7 Claims. (Cl. 260—674)

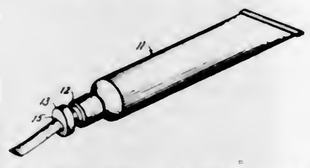
1. In a process for the recovery of para-xylene from technical xylene, the steps which include partially sulfonating said xylene, removing unsulfonated oil from the partially sulfonated product, fractionally hydrolyzing the residue at a temperature of up to 120° C., bringing together the hydrolyzed fraction with the unsulfonated oil, completely sulfonating the resulting mixture and fractionally hydrolyzing the completely sulfonated material to obtain a predominantly p-xylene-containing fraction.

2,585,526
CLAMP TYPE SCREW DRIVER FOR CANS
Richard Carl Zautner, Manila, Philippine Islands
Application August 10, 1949, Serial No. 109,519
1 Claim. (Cl. 222—192)



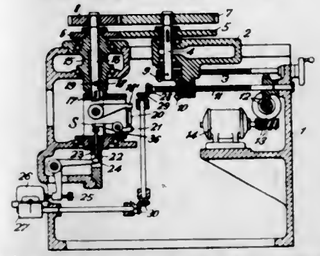
In combination, a can containing fluid therein, a spout projecting from the top of said can for the egress therethrough of fluid, a rolled rim arranged around the top of said can, a screw driver operatively connected to said can and mounted for sliding movement into and out of operative position with relation to said can, said screw driver comprising a body member provided with a pair of longitudinally-extending flanges for slidably engaging the rim of said can, there being a slot in said body member for the projection therethrough of said spout, a blade arranged on one end of said body member, and a curled portion arranged on the other end of said body member for manually moving said screw driver into and out of operative position.

2,585,527
SLITTED RESILIENT CLOSURE FOR CONTAINERS
John M. Adams, Atlanta, Ga.
Application June 24, 1948, Serial No. 34,882
7 Claims. (Cl. 222—490)



1. A container having a main body portion, a hollow neck threadably secured thereto, an oval collar connected to and diametrically wider than the said neck, and a rotatable cap for said collar formed of a flexible material, one end of said cap having an oval opening extending into the body of the cap to form an oval cavity therein, the opposite end of the cap having an incision therethrough in the direction of the longest cross-sectional diameter of said oval opening.

2,585,528
APPARATUS FOR TESTING GEAR TEETH
Albert Aeppli, Zurich, Switzerland, assignor to Maag-Zahnrader und -Maschinen Aktiengesellschaft, Zurich, Switzerland
Application May 21, 1948, Serial No. 28,335
In Switzerland May 30, 1947
2 Claims. (Cl. 33—179.5)
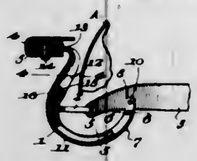


1. A gauging apparatus for gear wheels operating according to the single flank intermeshing method, comprising a bed, a carriage mounted for rectilinear movement on the bed, a vertical shaft rotatably mounted in said carriage, a sleeve rotatably mounted in said bed, a second vertical shaft extending through said sleeve and rotatable relative to the sleeve, said two vertical shafts being adapted to carry the gear wheels to be tested in normal intermeshing relationship, a first measuring disc carried by said first mentioned vertical shaft, a second measuring disc operatively interconnected with said first mentioned measuring disc and carried by said sleeve, the transmission ratio between said operatively interconnected measuring disc being identical with the gear ratio between the two gear wheels to be tested, a movement transmission pin mounted for axial displacement in said bed in axial alignment with said second shaft, a housing connected to the lower end of said second shaft to turn therewith, a radially extending stud carried by the lower end of said sleeve, a bell crank lever mounted in said housing, one arm of said lever extending in the direction of the axis of said sleeve and cooperating with the free end of said stud, and the second arm of said lever extending radially with respect to said sleeve, a link cooperating with the free end of said second arm of the bell crank lever, a two-armed lever having one arm coacting with said link and the other arm coacting with one end of said movement transmission pin, whereby relative rotary movement between said sleeve and said second vertical shaft is transformed into a rectilinear movement of said transmission pin, lever means fulcrumed on said bed and engaged by the other end of said movement transmission pin, a recording device carried by said base and including a marking drum and a stylus, and gear-and-spindle means operatively connected to said first mentioned shaft and to said marking drum, for simultaneously driving said two shafts, sleeve and drum.

2,585,529
ISOPROPENYL FLUORIDE POLYMERS
Paul R. Austin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 30, 1946, Serial No. 687,203
9 Claims. (Cl. 260—78.5)

9. A fluorine-containing organic addition polymer of ethylenically unsaturated monomeric ma-

terial selected from the group consisting of isopropenyl fluoride and a mixture consisting of isopropenyl fluoride and a member of the group consisting of ethylene, acrylonitrile, vinyl acetate, styrene, vinyl fluoride, methyl acrylate, vinyl acetylene, allylidene diacetate and butadiene, said mixture containing at least 5% of isopropenyl fluoride.

2,585,530
MULTIBUMPER GRILLE
Norman Bennett, Washington, D. C.
Application December 2, 1948, Serial No. 63,047
7 Claims. (Cl. 293—97)



1. In combination with an automobile having a lower horizontal bumper, an upper horizontal bumper for disposition directly below the headlights of the automobile, substantially resilient vertical grille bars connected at their lower ends to the chassis of the automobile and at their upper ends to the upper horizontal bumper, said vertical grille bars having their intermediate portions extending across the front face of the lower horizontal bumper and at all times in frictional engagement therewith, and clamping means carried by the vertical grille bars for engagement with the lower bumper, said clamping means being readily disengageable from the lower bumper upon impact being received by the upper horizontal bumper.

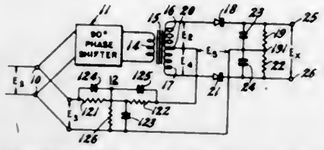
2,585,531
BALL POINT PEN INK
Sandor Bernfeld, Bernard Bomse, and Sylvain Scharfspitz, New York, N. Y.
No Drawing. Application December 16, 1949, Serial No. 133,496
2 Claims. (Cl. 106—27)

2. A perfumed ink for ball point pens, comprising water in an amount of from 4800 to 5000 grams, alcohol in an amount to make the combined weight of the water 6000 grams,

50 grams of stearin
50 grams of glycerin
100 grams of triethanolamine
100 grams of lanolin
20 grams of tolu balsam
30 grams of muscone
50 grams of ambrette
50 grams of patchouli
2 grams of cholesterol
50 grams of Styrax gum and
400 grams of aniline coloring matter.

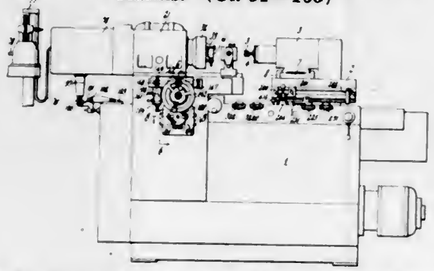
2,585,532
FREQUENCY DISCRIMINATING CIRCUIT
Vernon R. Briggs, Pasadena, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 26, 1948, Serial No. 4,425
5 Claims. (Cl. 250—27)

1. The method of detecting frequency variations in a variable frequency A. C. signal wave which comprises: deriving from said signal wave second and third A. C. waves of the same frequency but differing from each other in phase substantially 90° throughout the operating frequency range; deriving from said signal wave a fourth A. C. wave 180° out of phase with said second wave; deriving from said third wave a fifth A. C. wave of the same frequency that has zero amplitude at a null frequency and that increases in amplitude with departures of frequency in either direction from said null value, and the phase of which with respect to the third wave leads substantially 90° for all amplitudes



when the frequency exceeds said null value and lags substantially 90° for all amplitudes when the frequency drops below said null value; combining said second and fifth waves and rectifying them to produce a first direct current; combining said fourth and fifth waves to produce a second direct current; and combining said first and second direct currents in polar opposition to produce a direct current the amplitude of which varies with the frequency of said signal wave.

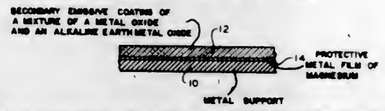
2,585,533
INTERNAL GRINDING MACHINE WITH AUTOMATIC AIR GAUGE SIZING
William J. Bryant, Thor H. Ljunggren, and Willis F. Moore, Springfield, Vt., assignors to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application May 29, 1948, Serial No. 29,996
4 Claims. (Cl. 51—165)



1. In combination in a hole grinding machine, an air gage having a size indicator and a tubular stem provided at one end with a work feeler portion of enlarged diameter, said feeler portion having an air discharge opening through its periphery, a sleeve slidably surrounding said stem and having a counterbored end portion adapted at certain times to house said feeler portion and of an internal diameter slightly different from the desired finished size of a hole in a work piece so that when said feeler is within said sleeve said indicator is out of desired finish size indicating position, means supporting a work piece with a hole coaxial with said stem, a grinding wheel, means for rotating said wheel, means for relatively reciprocating said wheel and work axially, means for relatively feeding said wheel and work transverse to said axis, means acting in time with such reciprocation to press said stem and sleeve toward the work to enter the hole being ground therein when said hole becomes of sufficient size to receive said stem at which time said discharge orifice leaves said sleeve and enters the work whereupon said indicator indicates the hole size, a cycle control

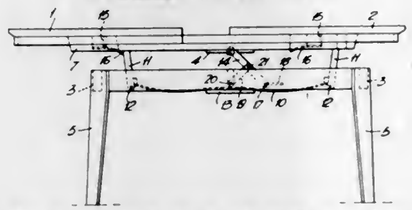
mechanism, and means actuated and controlled by said indicator when said indicator indicates the desired hole size to actuate said mechanism to effect the succeeding step in the cycle of the machine.

2,585,534
SECONDARY ELECTRON EMISSIVE ELECTRODE AND ITS METHOD OF MAKING
Cabot Seaton Bull, Hillingdon, and Albert Horace Atherton, Ealing, London, England, assignors to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application November 23, 1946, Serial No. 711,860
In Great Britain November 7, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 7, 1965
18 Claims. (Cl. 313—103)



1. A secondary electron emitting electrode having a coating of a refractory oxide including one or more of the group magnesium oxide, aluminium oxide, and beryllium oxide, combined with an alkaline earth oxide.

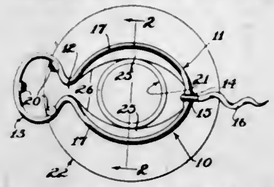
2,585,535
TABLE HAVING VERTICALLY ADJUSTABLE TOP
Oscar Carlsson, Emmaboda, Sweden
Application January 10, 1949, Serial No. 70,079
In Sweden January 17, 1948
2 Claims. (Cl. 311—67)



1. An adjustable table comprising a frame, a table top formed of a pair of leaf sections loosely connected with the frame so as to be capable of being individually elevated from opposite ends of the table, a pair of boards pivoted to said frame, a leaf spring secured to said frame and engaging said boards and press them in the upward direction so that said boards automatically swing upwardly about their pivots when the respective leaf sections are raised and then engage the respective leaf section with their upper edges and support said sections in raised position, a pair of links pivotally secured at one end to the table top at opposite sides thereof and engaging the frame with their other ends and further links pivoted at their opposite ends to the frame and to intermediate points of the respective first-mentioned links, said links serving to guide and limit vertical movement of said top.

2,585,536
SEAL CUTTER
John Chicglo, Pottstown, Pa.
Application April 11, 1947, Serial No. 740,895
1 Claim. (Cl. 30—1.5)

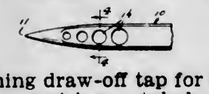
As a new article of manufacture, a cutter for severing seals of bottle tops comprising an endless member of stiff wire shaped to form a pair of open loops, one of the loops being sufficiently large to receive the necks of bottles of various sizes and having converging opposed arms, a cutting edge integrally formed on each of the opposed faces of the arms and extending inwardly therefrom, the other loop being smaller in size than the first mentioned loop and providing a hand grip for rotating the cutter circumferentially around the seal of a bottle.



2,585,537
BETA-METHYLENE-BETA-PROPIOLACTONE COPOLYMERS
Donald D. Coffman, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 21, 1949, Serial No. 122,839
7 Claims. (Cl. 260—78.5)

1. Polymeric material comprising the copolymer of beta-methylene-beta-propiolactone with another copolymerizable organic compound containing ethylenic unsaturation, said copolymer containing lactone units and being free of pyrone rings.

2,585,538
DRAWOFF TAP FOR LIQUID-CONTAINING CARTONS
Theodore H. Daniels, Seattle, Wash.
Application March 14, 1947, Serial No. 734,789
7 Claims. (Cl. 222—81)

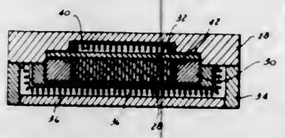


1. A siphoning draw-off tap for liquid-containing cartons comprising a tubular body open at both ends and produced to an elbow shape to describe two legs placed in angular relation and arranged one said leg to be inserted through the wall of the carton and the other said leg to be exposed and project downwardly to serve as a discharge spout, said insertable leg being also arranged to project downwardly in use and being characterized in that the same presents a flat wall upon the underside and has the end opening formed in said flat wall, the relationship of parts being such that both of the two end openings of the applied tap lie well below the lower limit of the tap hole which is formed in the carton and with the end opening of the exposed leg occupying a level at least as low as that occupied by the inserted leg's opening.

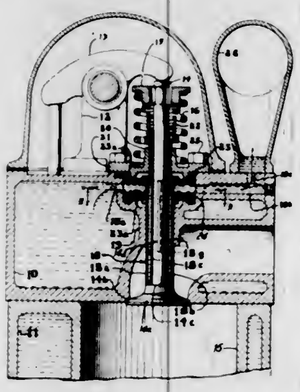
2,585,539
METHOD OF MAKING SOLID FRICTION DISKS
James C. Danly, River Forest, and Vasil Georgeff, Chicago, Ill., assignors to Danly Machine Specialties, Inc., Chicago, Ill., a corporation of Illinois
Application January 14, 1950, Serial No. 138,654
1 Claim. (Cl. 154—81)

A method of making solid friction disks including the steps of impregnating a woven tape

having a width greater than the thickness of the desired disk with an excess of a thermo-setting binder, winding the tape spirally upon itself along planes normal to the axis of the disk to form a solid disk of the desired diameter having substantially continuous side surfaces, reducing the thickness of the disk while maintaining the desired diameter, removing the excess of binder during the thickness-reducing step and setting the binder by heat and pressure to form a solid friction disk of the desired diameter and of predetermined thickness.



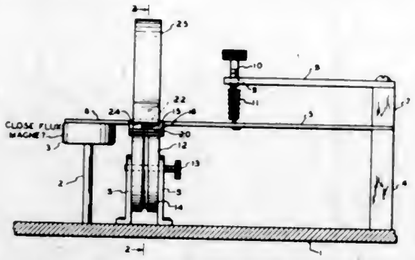
2,585,540
VALVE COOLING
Rudolph Daub, West Caldwell, N. J.
Application August 3, 1949, Serial No. 108,360
6 Claims. (Cl. 123—41.41)



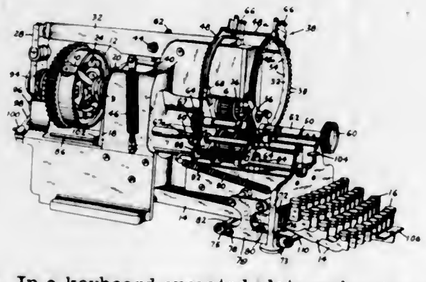
1. An internal combustion engine having a combustion chamber, a poppet valve having a stem, a guide in contact with said valve stem and having a space for the reception of cooling fluid formed within said guide, openings communicating with said space for the entrance and exit of said cooling fluid, and baffles partitioning part of said space to divert the flow of the cooling fluid to one end of the space prior to the fluid movement through the exit opening at the opposite end.

2,585,541
SLUB DETECTOR
Paul A. de Mars, Washington, D. C., assignor, by mesne assignments, to Raymond M. Wilmotte, Washington, D. C.
Application February 3, 1949, Serial No. 74,458
13 Claims. (Cl. 28—64)

1. In apparatus for detecting defective yarn, a close flux magnet, an armature normally in contact with said close flux magnet, means comprising an open flux magnet for applying force tending to remove said armature from contact with said magnet, said force substantially balancing the attractive force of said close flux magnet for said armature, said armature being movable with respect to said close flux magnet in response only to said applied force supplemented by further force generated by contact of defective yarn with said armature.



2,585,542
KEY CONTROL AND SPACER OPERATING MECHANISM FOR PLATE EMBOSSING MACHINES
Frank De Minico, New York, N. Y., assignor to Pollard-Alling Manufacturing Company, New York, N. Y., a corporation of New York
Application October 18, 1950, Serial No. 190,704
10 Claims. (Cl. 197—6.5)



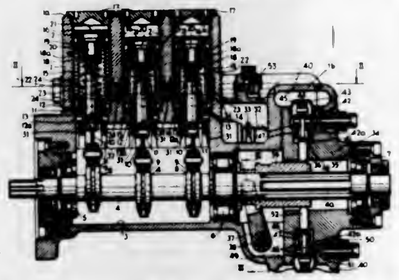
1. In a keyboard operated plate embossing machine having a carrier for holding blank plates to be embossed, mechanism for spacing the carrier operated in response to depression of a selected key to emboss the selected character on a plate, key control mechanism including friction clamping devices releasably retaining the keys in raised inoperative position, and means operated in response to operation of said plate carrier spacing mechanism for positively returning the keys from operative position to inoperative position after completion of the embossment on the plate.

2,585,543
CORD CLAMPING MEANS
Joseph Ertel, Jackson Heights, N. Y.
Substituted for abandoned application Serial No. 574,476, January 25, 1945. This application March 12, 1946, Serial No. 653,766
3 Claims. (Cl. 24—123)



1. Clamp means for securing together the bottom ends of a plurality of depending cords, comprising a ball having a vertically disposed opening, a tubular member extended through said opening and through which the cords are extended, said ball having a circumferential groove concentric with said opening and being open to the bottom of said ball, said tubular member having radially spaced slots extended upward a short distance from the bottom end of said tubular member through which said cords are passed so that their bottom end portions can be engaged into said groove, one of said slots being extended upward to a point adjacent the top end of said tubular member, and a clamp ring in said groove retaining the bottom end portions of said cords in position in said groove.

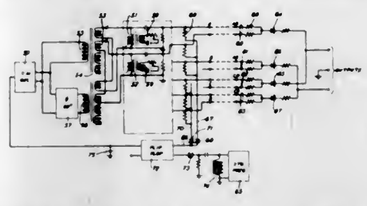
2,585,544
FUEL PUMP
William Friedlander, London, England, assignor to Mono-Cam Limited, London, England, a company of Great Britain
Application December 9, 1947, Serial No. 790,666
In Great Britain December 18, 1946
5 Claims. (Cl. 103—38)



1. A fuel pump for an engine of the kind referred to comprising a plurality of closed pumping chambers, a suction and delivery valve for each chamber, a common petrol supply to all the suction valves, a common delivery means leading from all the delivery valves, a collapsible bellows located within each chamber, resilient means normally holding each bellows in an expanded condition, reciprocable elements driven from the engine and adapted alternately to collapse the bellows against the action of their resilient means to increase the free volume of their respective chambers and to permit the resilient means to expand the bellows to decrease said free volume, each reciprocable element being connected to its associated bellows by spring means weaker than said resilient means for permitting the bellows to remain in an at least partially collapsed condition when a pressure exceeding that capable of being produced by the resilient means tends to arise in the common delivery means, and means capable of operation for simultaneously varying the pressures exerted by the resilient means during the reciprocation of the engine-driven elements in order to vary the pressure at which petrol is delivered by the pump.

2,585,545
SIGNALING SYSTEM
Danforth K. Gannett, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application May 1, 1946, Serial No. 666,281. Divided and this application November 9, 1948, Serial No. 59,058
9 Claims. (Cl. 171—97)

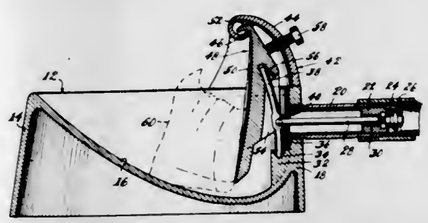
1. Means to produce successions of short sharp pulses of current comprising a circuit including a plurality of saturable core inductance coils, a voltage wave source connected to said coils of sufficient voltage swing to carry said coils through their unsaturated region and well into their saturated region, in both positive and negative directions, in each cycle of said voltage wave whereby said coils produce sharp pulses in said circuit as the unsaturated region is passed through, and a different steady bias applied to each coil of a value to determine a different phase position in said voltage wave at which the respective coil produces such pulse.



2,585,546
PRODUCTION OF HIGH VISCOSITY HYALURONIC ACID
Zareh Hadidian, Worcester, Mass., and Norman W. Pirie, Harpenden, England, assignors to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois
No Drawing. Application February 3, 1948, Serial No. 6,015
7 Claims. (Cl. 260—210)

4. The process of producing high viscosity hyaluronic acid which comprises extracting acetone-washed umbilical cords with salt solution, acidifying the resulting extract, removing the clot so formed, precipitating protein with an inert protein-precipitant, removing the precipitate, and precipitating hyaluronic acid with a precipitant of the group consisting of (a) pyridine and ammonium sulfate and (b) ammonium sulfate.

2,585,547
ANIMAL CONTROLLED WATERING DEVICE
Cline Harry Harmon, Waterloo, Iowa, assignor to Waterloo Foundry Company, Waterloo, Iowa, a copartnership
Application March 13, 1947, Serial No. 734,375
5 Claims. (Cl. 119—75)



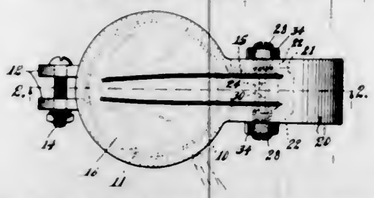
1. In a device of the class described, the combination comprising, a watering bowl, a feed line having a control valve communicating with said bowl, a plate pivotally supported in said bowl adjacent said feed line, a lever having one end pivoted in said bowl adjacent said feed line and plate, and a link connected between said lever and control valve, the opposite end of said lever having bearing engagement with said plate, whereby said plate, upon swinging thereof, swings said lever and operates said control valve.

2,585,548

CLOSURE FOR EXHAUST PIPES

Cline Harry Harmon and Dorathea L. Fort, Waterloo, Iowa, assignors to Waterloo Foundry Company, Waterloo, Iowa, a copartnership

Application November 20, 1948, Serial No. 61,148
2 Claims. (Cl. 98—59)



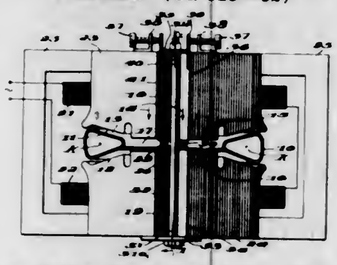
1. In a closure device of the character described, comprising a frame element adapted to surround the terminal portion of an exhaust pipe, a lug carried by and extending laterally from said frame element, and a closure flap pivotally connected to said lug and adapted to normally cover the open end of the exhaust pipe and movable to an open position by the pressure of the exhaust gases discharging through said pipe, said flap having a laterally extending counterweight for counter-balancing a portion of the overhanging weight of said flap, said counter-weight having a cavity formed in its underside between a pair of laterally spaced apart walls, said flap being mounted on the frame with said lug projecting into said cavity, between said walls; the improvement wherein said pivotal connection comprises a pair of elements threaded into said walls, defining a part of the cavity, and the inner ends of said threaded elements being formed as cylindrical trunnions projecting into a cylindrical opening formed in and extending entirely through said lug, said threaded elements each being provided with a transverse shoulder at the inner end of the trunnion, disposed in close, spaced relation to said lug for limiting transverse movement of the flap relatively to the lug, said trunnions terminating in spaced apart relation to form a chamber therebetween for the reception of lubricant.

2,585,549

APPARATUS FOR ACCELERATING ELECTRONS

Hans Hartmann, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company

Application November 1, 1950, Serial No. 193,498
In Switzerland November 2, 1949
6 Claims. (Cl. 313—62)



1. In a device for accelerating electrons by magnetic induction, an annular tube providing therein a closed orbital path along which the electrons are accelerated, a pair of substantially concentrically arranged annular induction poles disposed in fixed spaced relation at the central opening through said tube and which establish a fixed air gap between the confronting annular end faces thereof substantially in the plane of said tube for flow of induction flux through the tube opening, a pair of auxiliary induction cores disposed respectively within the central openings of said induction poles, the end faces of said cores also confronting each other in spaced relation to establish a second air gap therebetween substantially in the plane of said tube, one of said cores being movable longitudinally of the other to adjust the distance between the end faces of said cores and thereby effect a corresponding adjustment in the length of said second air gap, and coil means energizable from a source of voltage variable with time surrounding said induction poles and disposed substantially concentric therewith.

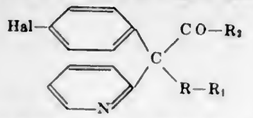
2,585,550

PARA-HALOGENPHENYL-PYRIDYL-ALKANONES

Karl Hoffmann, Binningen, and Eugen Tagmann, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.

No Drawing. Application August 21, 1950, Serial No. 180,702. In Switzerland March 2, 1950
5 Claims. (Cl. 260—296)

1. A member of the group consisting of para-halogen-phenyl - pyridyl - alkanones and their salts, the said alkanones being of the formula



wherein R stands for an alkylene radical with two to six carbon atoms, R_1 stands for a member of the group consisting of



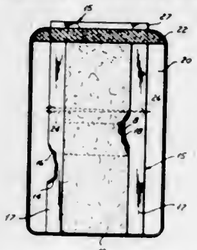
piperidino and pyrrolidino radicals, and R_2 represents a lower alkyl radical, and Hal is a halogen atom.

2,585,551

MEANS FOR DETECTING IONIZING RADIATIONS

Robert Hofstadter, Princeton, N. J.

Application May 1, 1948, Serial No. 24,453
7 Claims. (Cl. 250—83)



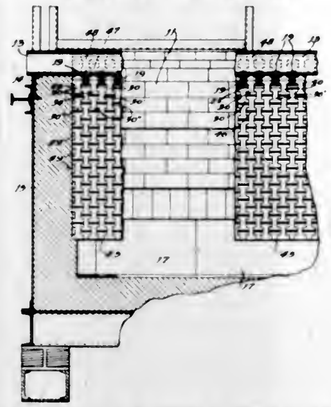
1. A transparent crystalline phosphor comprising sodium iodide and from five-thousandths of one molar per centum to one molar percentum of a thallium compound, said crystalline phosphor being of sufficient mass to stop a large percentage of ionizing radiations.

2,585,552

REFRACTORY CURTAIN

Louis H. Hosbein, Glencoe, Ill., assignor to M. H. Detrick Company, Chicago, Ill., a corporation of Delaware

Application September 2, 1947, Serial No. 771,670
10 Claims. (Cl. 263—46)



1. In a furnace structure, a refractory top wall, a suspended vertically extending refractory wall of much greater length and height than thickness, having the major portion thereof extending downwardly below the under face of said top wall, the portion of said vertical wall lying below the bottom of said top wall consisting entirely of refractory members, the refractory members of each course of said portion being suspended from the next higher course thereof.

2,585,553

METHOD FOR PRODUCING STEROID ESTERS

Max Niel Huffman, Dallas, Tex., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois

No Drawing. Application February 19, 1949, Serial No. 77,451
4 Claims. (Cl. 260—397.2)

1. The method of converting a steroid ether to a normal steroid ester which comprises reacting said steroid ether with an acylating agent in the presence of a catalytic amount of an aromatic sulfonic acid.

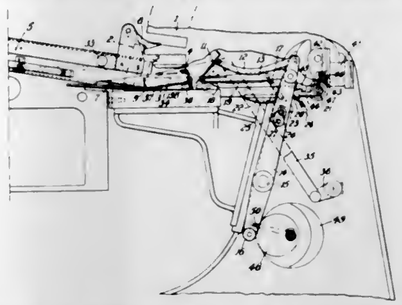
2,585,554

STACKING DEVICE FOR WORKPIECES OF RECTANGULAR BLOCK SHAPE

Donald Richard Patrick Jackson, London, England, assignor to Molins Machine Company Limited, London, England, a British company

Application June 29, 1948, Serial No. 35,788
In Great Britain July 7, 1947
3 Claims. (Cl. 214—6)

1. In apparatus for feeding rectangular workpieces, the combination with a plate having a surface for receiving and supporting a workpiece, of a pusher having an operative face inclined with respect to said surface, an oscillating lever, spaced links pivoted to said lever at points spaced radially of the pivotal axis of the latter, and to said pusher, whereby said pusher is moved through a predetermined path toward said plate and is concurrently tilted to alter its angular relation to said plate on oscillation of said lever, said plate being so positioned adjacent the path of movement of said pusher that the latter slides beneath the workpiece with the operative face of the pusher inclined at an obtuse angle to said workpiece so as to engage a lower edge of said workpiece and tilt the workpiece upwardly into the plane of the operative face of the pusher, said links being thereafter effective to tilt said pusher and the engaged workpiece, whereby said workpiece is tilted through a total angle of at least about 90°.



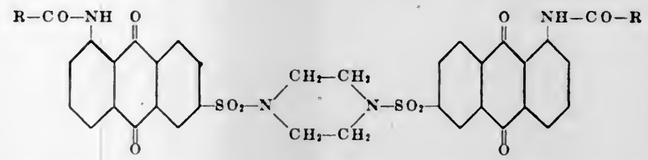
2,585,555

DERIVATIVES OF BIS-(1-AMINO-ANTHRAQUINONE-6-SULFO)-PIPERAZID

Walter Jenny, Basel, and Walter Kern, Sissach, Switzerland, assignors to Ciba Limited, a Swiss firm

No Drawing. Original application December 18, 1947, Serial No. 792,616. Divided and this application January 25, 1951, Serial No. 207,833. In Switzerland December 21, 1946
4 Claims. (Cl. 260—268)

1. A vat dyestuff corresponding to the general formula



wherein R—CO— stands for the radical of a benzene monocarboxylic acid.

2,585,556

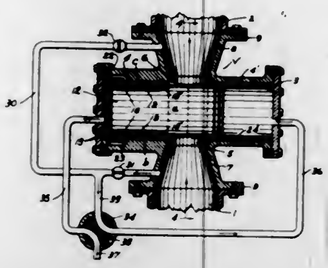
RECIPROCATING VALVE

Carl G. A. Johnson, Jr., Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application March 19, 1947, Serial No. 735,660
11 Claims. (Cl. 251—65)

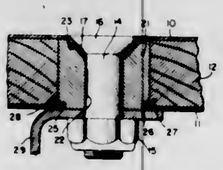
10. A valve body provided with a bore and with an inlet port and an outlet port, each port opening into the bore, the port axes aligned and at right angles to the axis of the bore, each port surrounded by a lip portion where the port intersects the bore and the lip portion of at least one port provided with conduit means extending

through the lip portion, the conduit means opening into the port at a point spaced from the bore and opening into the bore at a point spaced from



the intersection of the port and bore, whereby the fluid pressure in the port is conducted from the port to the bore and enters the bore at the last said point.

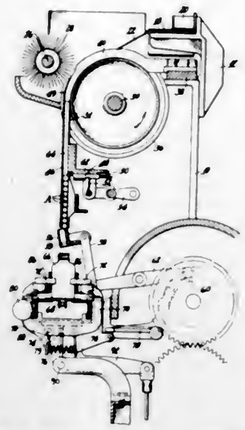
2,585,557
FASTENING MEANS FOR STRUCTURAL SANDWICHES
Rodney Kreimendahl, Burbank, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application April 19, 1946, Serial No. 663,345
2 Claims. (Cl. 189—34)



1. In combination with a preformed structural sandwich having high-strength outer laminations and a low density core, one of said laminations and said core being formed with aligned openings, a tubular bushing accommodated in said aligned openings and having an inner end abutting the inner face of the other of said laminations, said other lamination having an aperture in alignment with the bore of said bushing, the outer end of said tubular bushing having a neck of reduced diameter which occupies the opening in said first mentioned lamination and which is flared to provide a shoulder, and a collar fitting over said neck and deformed by engagement with said shoulder, the inner end of the collar being expanded outwardly and engaging behind the marginal portion of the opening-defining edge of said first mentioned lamination.

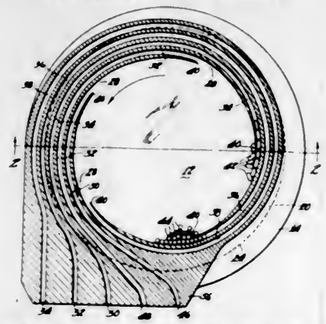
2,585,558
ARTICLE COUNTING AND FILLING
Eino E. Lakso, Fitchburg, Mass.
Application December 5, 1946, Serial No. 714,236
11 Claims. (Cl. 198—30)

1. In a machine of the class described, a rotary shaft, a plurality of spaced peripheral ribs thereon, a plurality of spaced stationary ribs, the rotary and stationary ribs alternating in spaced relation, means to supply unaligned articles to the ribs, means to receive the aligned articles therefrom, the stationary ribs being arcuate and generally conforming to the peripheral ribs so that the ribs together present a se-



ries of arcuate grooves each having a fixed wall and a moving wall.

2,585,559
MULTIPLE LINE ARTICLE ALIGNING DEVICE
Eino E. Lakso, Fitchburg, Mass.
Application June 18, 1947, Serial No. 755,278
10 Claims. (Cl. 198—30)

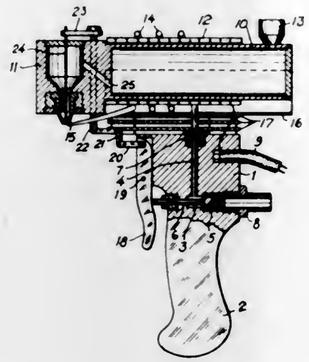


1. Article alining device comprising a rotatable article support, a curved wall against which the articles are moved by said means, said wall having a series of widely spaced openings therein through which the articles are moved in lines, and a passageway for each opening, said passageways leading to a single delivery station for all the lines of articles, and overlying for the most part the rotatable article support for travel of the articles through the passageways under influence of the said support.

2,585,560
METAL SPRAYING GUN
Joel Abdon Albin Larsson, Uppsala, Sweden, assignor to Hjalmar Andren & Soner, Stockholm, Sweden
Application March 10, 1950, Serial No. 148,818
In Sweden March 14, 1949
1 Claim. (Cl. 118—302)

A metal spraying gun comprising in combination a casing having a lower handle portion by which to hold the same in an upright position, an air inlet channel within said casing, a valve in said channel controlling flow of air therethrough, a container for the metal disposed transversely atop said casing such that the longitudinal axis

of said container occupies a horizontal position when said casing is held in an upright position, means establishing in the forward end wall of said container a smaller valve chamber the axis of which is disposed vertically when said casing is held in its upright position, said valve chamber being in heat conducting relation with said container and communicating with the latter by means of a channel extending obliquely downward from the valve chamber to the interior of the container, a downwardly directed nozzle at the lower end of said valve chamber for discharging molten metal, a valve needle displaceable longitudinally within said valve chamber for controlling discharge of molten metal through said nozzle, an electrical heating element and a spiral



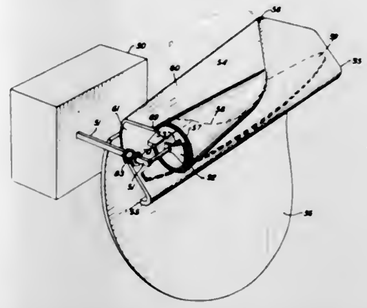
air heater tube surrounding said container, one end of said tube being connected to said air inlet channel and the other end terminating in a nozzle opening immediately below and at the side of the outlet of said nozzle for discharge of molten metal, a trigger pivotally mounted upon said casing, air valve actuating means extending between said air valve and trigger, and a lever mechanism extending between said trigger and the upper end of said valve needle, said lever mechanism extending along the outside of said container and joining said valve needle outside of said valve chamber whereby to effect simultaneously discharge of molten metal from said valve chamber and heated air from said air tube upon actuation of said trigger.

2,585,561
RECEPTACLE COMB
John Lattuca, Brooklyn, N. Y.
Application January 23, 1948, Serial No. 3,899
6 Claims. (Cl. 132—79)



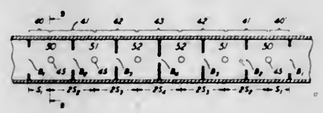
1. In a comb having a backing portion, said backing portion being hollowed out to provide a plurality of receptacles, one of said receptacles opening to the top of the backing portion and the other opening to one end of the backing portion, a pivotally mounted lid for the receptacle which opens to the top of the backing portion, a hollow plug inserted in the receptacle which opens to the end of the backing portion and means on said lid for engaging said plug in the closed position of said lid for retaining said plug in position in its respective receptacle.

2,585,562
DIRECTIVE ANTENNA SYSTEM
Willard D. Lewis, Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 4, 1947, Serial No. 789,602
8 Claims. (Cl. 250—33.63)



1. An electromagnetic wave guiding structure comprising a pair of like substantially quasi-triangular conductive plates, said plates being positioned in parallel relation to each other with their corresponding edges in alignment with each other, two of the edges of each of said plates being at an angle of approximately 90 degrees with respect to each other, the third edge of each of said plates making substantially equal angles with respect to each of the first-mentioned two edges of each of said plates, a first orifice constituting an output orifice and comprising the space between one pair of said first two edges of said plates, a second orifice constituting an input orifice and comprising the major portion of the space between the other pair of said first two edges of said plates and a conductive reflecting strip member joining the said third edge of each of said pair of parallel conductive plates, whereby energy introduced into any point along said second orifice will be reflected by said strip member to said first orifice.

2,585,563
WAVE FILTER
Willard D. Lewis, Little Silver, and William W. Mumford, Atlantic Highlands, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 17, 1949, Serial No. 116,342
5 Claims. (Cl. 178—44)



1. A wave filter comprising two end sections of wave guide each of length S_m, at least four intermediate sections of wave guide each of length $2S_m$ connected in tandem therewith, an iris having a normalized susceptance B_1 connected at the outer end of each of said end sections, and an iris having a normalized susceptance B_m connected

at the center of each of said intermediate sections, where

$$B_1^2=\frac{4}{\pi}\left(\frac{\lambda_0}{\lambda_g}\right)^2\frac{f_0}{\Delta f}\sin\frac{\pi}{2N}$$

$$|B_m|=B_1^2\frac{\sqrt{2}\sqrt{\cos\frac{\pi}{N}-\frac{2(m-1)\pi}{N}}}{2\sin\frac{\pi}{2N}}$$

$$S_m=\frac{\lambda_g}{4\pi}\operatorname{arc\,cot}\frac{B_m}{2}$$

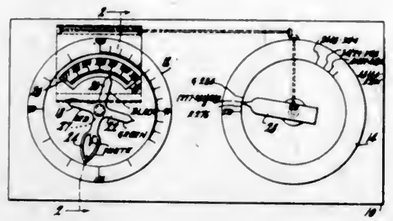
N is one less than the total number of said sections, the subscript m denotes the number of the associated section counted from the nearer end of the filter, λ_0 is the mid-band free space wavelength, λ_g is the mid-band wavelength in the sections of guide, f_0 is the mid-band frequency, and Δf is the width of the transmission band to the three-decibel insertion loss points, each of said sections of wave guide comprising a hollow conductor adapted to convey therethrough electromagnetic microwave energy above a critical frequency.

2,585,564
CLOSURE FOR TANKS CONTAINING BATTERY CELLS
Carl Hilding Ossian Lübeck, Stockholm, Sweden
Application July 12, 1946, Serial No. 682,991
In Sweden August 25, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 25, 1963
4 Claims. (Cl. 136—170)

1. In an electric storage battery the combination of a battery tank, a plurality of cell cans disposed in the tank and submerged in an insulating material filling the tank, vent tubes on the cell cans, a cover for said tank, an opening in said cover for a plurality of vent tubes of adjacent cell cans and a flexible tightening collar common to said vent tubes and having a corresponding number of holes, inner rims forming the edges of said holes and tightening against the vent tubes, an outer rim tightening against the edge of said opening in the cover, and an intermediate portion arranged to be relieved of tightening pressure and adapted to yield laterally so as to accommodate for inaccuracies in the positioning of the vent tubes relatively to the opening in the cover and the holes in the collar.

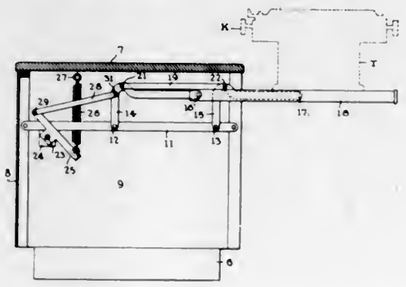
2,585,565
INDICATING SYSTEM
David G. C. Luck, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 1, 1950, Serial No. 198,509
13 Claims. (Cl. 177—351)

1. An indicator system comprising a plurality of pointers mounted to move one by one over an area under which a reading may be taken against a dial, a plurality of dials one to cooperate with each pointer by being brought one by one into place under said area, and a drive to bring said dials selectively into place, said pointers and said dials each being coded to show the correspond-



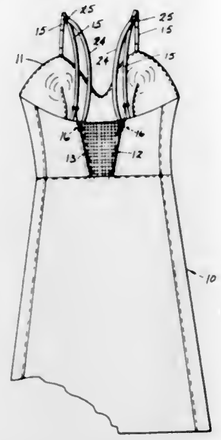
ence between any pointer and a cooperating dial, whereby an operator may readily identify a selected dial when driven under said area under a cooperating pointer as cooperating therewith.

2,585,566
TYPEWRITER CABINET
Carl Brynolf Lundstrom, Little Falls, N. Y.
Application October 27, 1947, Serial No. 782,331
2 Claims. (Cl. 312—27)



2. The combination of an open-front cabinet; an instrument-supporting platform movable reversely between a first limiting position in which the platform projects horizontally from and near the top of the open-front of the cabinet, and a second limiting position within and above the bottom of the cabinet; guiding means for said platform comprising two similar parallel-motion linkages, each linkage comprising a pair of guiding links serving to support a corresponding side edge of the platform, and a drag link connecting the two links of a pair, said guiding links each having three similarly spaced pivot connections, namely, a first pivot connecting the link with the cabinet, all said first pivots lying in a horizontal plane intermediate said first and second limiting positions, a second pivot connecting each link with an edge of the platform, the pivots of a pair of links being similarly spaced on the cabinet and on the platform, and a third pivot whose axis is parallel with the axes of the first and second pivots and is offset from an imaginary plane passing through the axes of the first and second pivots of one guide link, said third pivots connecting corresponding ends of the drag links with the guiding links, said drag links being positioned between pairs of guiding links so as to engage said platform in each of said limiting positions and thus serve as limit stops, said imaginary plane in said first limiting position extending forward and upward from the cabinet-supported pivots whereby the platform is guided to start moving from the first limiting position in a forward and increasingly downward direction.

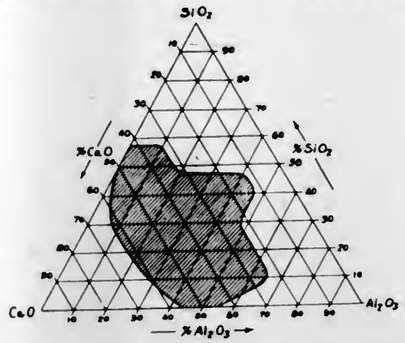
2,585,567
COMBINATION BRASSIÈRE SLIP
Rafael Marin, Bronx, N. Y.
Application January 7, 1949, Serial No. 69,693
1 Claim. (Cl. 2—73)



In a combination brassière slip, a slip body section having a brassière top portion provided with a back portion having an opening with slanting side edges, said opening extending from the top of said back portion downwards to about the waist portion of said slip body section, an elastic insert with slanting side edges filling said opening, means for releasably connecting all portions of each of the sides of said insert with all portions of each of the sides of said opening in order that the complete insert or varying proportions of said insert from the top of said insert downwards may be released from the sides of said opening, shoulder straps for said brassière top portion extending from the top edge portion of the front of said brassière top portion to the top edge portion of the back of said brassière top portion at points adjacent the sides of said opening which is filled by said elastic insert, and short straps connecting at their bottom ends with the top corners of said elastic insert and at their top ends with portions of said shoulder straps which are located approximately midway between the ends of said shoulder straps in order to support the complete elastic insert or a varying proportion of the insert depending upon the distance the insert is detached from the top edge of the brassière top portion of said slip.

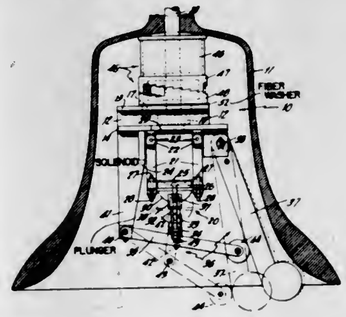
2,585,568
ELECTRIC CLADDING
Marcus W. Marshall and James H. Waxweiler, Middletown, Ohio, assignors to Armco Steel Corporation, Middletown, Ohio, a corporation of Ohio
Application November 26, 1948, Serial No. 62,182
6 Claims. (Cl. 219—10)

1. In the electric cladding of a piece of one metal with a layer of another metal by the self-consuming prone electrode process, the step of insulating the electrode from the base metal by spreading on the base metal a layer between substantially $\frac{1}{16}$" and $\frac{1}{11}$" in thickness said layer composed of a prefused flux consisting essen-



tially of silica, lime and alumina in proportions substantially within the shaded area of the figure.

2,585,569
ELECTRIC BELL STRIKING DEVICE
Clinton Meneely and Alf W. Miller, Troy, N. Y., assignors to Meneely Bell Company, Troy, N. Y., a corporation of New York
Application March 3, 1949, Serial No. 79,400
6 Claims. (Cl. 177—7)

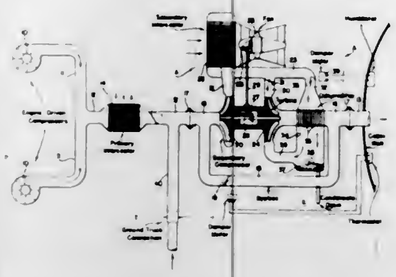


1. An electric bell striker device adapted fixedly to be supported within the confines of a bell, which comprises a striker frame, a striker mechanism, including a clapper pivotally supported at one end of said frame and an actuating member for said clapper pivotally supported at the other end of said frame, a pull solenoid supported by said frame in vertically operable position, said solenoid being cooperatively connected to said actuating arm, and means, including a suspension member from which said frame is slidably supported, and spacer elements supported above said frame for adjusting said device vertically and horizontally respectively, whereby the strike point of a bell can be found at a definite level.

2,585,570
AIRCRAFT PRESSURIZING AND COOLING SYSTEM
Bernard L. Messinger, Los Angeles, and Howard M. Cousins, Tujunga, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.
Application July 29, 1946, Serial No. 686,880
7 Claims. (Cl. 62—137)

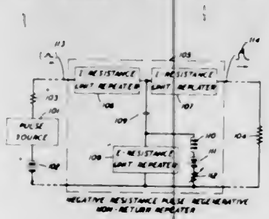
1. In a cabin pressurizing system for aircraft including at least one primary compressor taking air from the atmosphere and delivering com-

pressed air to the airplane cabin through a duct, and at least one primary intercooler associated with said duct, the combination of an air cycle refrigerating system interposed in said duct, comprising a secondary compressor, a secondary intercooler, and an expansion turbine arranged



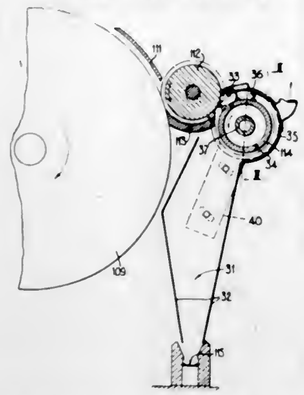
in ducted sequence relative to said cabin duct, a by-pass duct between said secondary intercooler and said expansion turbine, and a condenser in said by-pass duct in heat exchanging relationship with the outlet of said expansion turbine whereby to dehumidify the air prior to delivery to said expansion turbine.

2,585,571
PULSE REPEATER
Milton E. Mohr, Pacific Palisades, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 14, 1950, Serial No. 184,871
18 Claims. (Cl. 178—44)



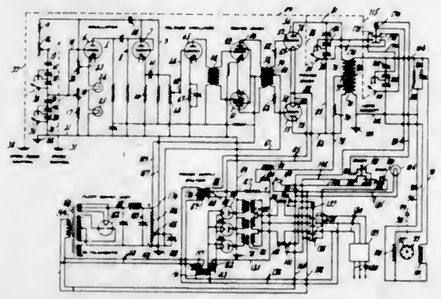
16. A pulse transmission system comprising an electrical transmission line, a source of pulses connected across one end of said line, a load circuit connected across the other end of said line, a first negative resistance element having a voltage versus current characteristic which successively changes from a positive slope to a negative slope to a positive slope, said element being connected in serial relation in said line at a location intermediate said source and said load, and means for biasing the operation of said first element to a point on the positive slope portion of its characteristic immediately adjacent to the negative slope portion thereof, a pair of like negative resistance elements each having a voltage versus current characteristic which successively changes from a positive slope to a negative slope to a positive slope, each of said elements being connected in shunt relation to said line one on either side of said first element, and means for biasing the operation of both said elements to a point on the positive slope portion of the characteristic of each immediately adjacent to the negative slope portion thereof.

2,585,572
TOBACCO FEEDING DEVICE WITH SUCTION DEVICES
Desmond Walter Molins and Félix Frédéric Ruau, Deptford, London, England, assignors to Molins Machine Company Limited, London, England
Application August 20, 1946, Serial No. 691,718
In Great Britain August 28, 1945
4 Claims. (Cl. 131—110)



1. A tobacco-feeding apparatus comprising a tobacco-conveying element, a picker-roller to remove tobacco from said tobacco-conveying element, said picker-roller being hollow and having apertures in its periphery, a shroud partly encircling the picker-roller, the apertures being directed outwardly of the picker-roller so as periodically to face the inner surface of said shroud on rotation of the picker-roller, blower-means to cause jets of air to be blown outwardly through said apertures so as to impinge against and sweep over the inner surface of said shroud to blow dust off said surface, and a suction device to remove dust blown by the said jets.

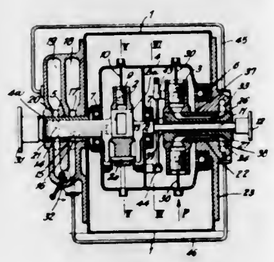
2,585,573
VARIABLE FREQUENCY POWER SUPPLY SYSTEM
Willis F. Moore, Springfield, Vt., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application October 29, 1948, Serial No. 57,237
9 Claims. (Cl. 318—231)



1. A variable frequency power supply system comprising in combination, a variable frequency pulse source, a power controlling electron tube circuit including a pair of gaseous-discharge electron power tubes each having an anode electrode, signal amplifier means coupling said tubes in push-pull relation to each other with said variable frequency pulse source, a power output

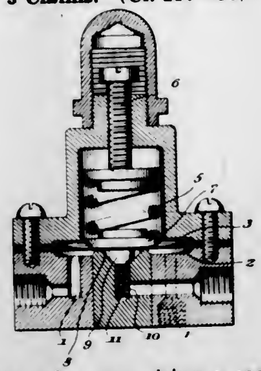
transformer for said system having a primary winding connected between said anode electrodes and having a center-tap, a direct current power supply circuit having a positive supply lead connected with said center tap, current limiting resistance means in said power supply lead for limiting the peak current flow through said tubes and said primary winding, and controlling capacitor means connected between said anode electrodes across said primary winding to provide an inverse quenching potential for each of said tubes substantially at the termination of its conducting period at the frequency of operation.

2,585,574
RADIAL PUMP AND RADIAL MOTOR HYDRAULIC TRANSMISSION
Theodor Müller, Winterthur, Switzerland, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland
Application August 29, 1947, Serial No. 771,317
In Switzerland July 13, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 13, 1962
4 Claims. (Cl. 60—53)



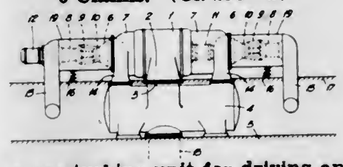
3. In a hydraulic transmission, the combination of a stationary case, a driving shaft having an eccentric rotatably mounted in said case, a pump part of fixed stroke rotatably mounted on said eccentric, a bearing pin projecting inwardly from one end wall of said case in a direction parallel to the driving shaft, said pin having a square portion slidably mounted in a guide slot provided in said end wall for movement of the pin transversely of the axis of the driving shaft, a motor part of variable stroke rotatably mounted on the free end of said bearing pin, a casing rotatably mounted within said stationary case and surrounding said pump part and motor part, a driven shaft connected to said rotatable casing, said pump part and motor part having radial cylinders, reciprocating pistons and piston rods pivotally connected to said rotatable casing, said driving shaft being provided with suction and delivery ducts for conveying liquid to and from said pump part, said bearing pin being provided with suction and delivery ducts for conveying liquid to and from said motor part, said end wall of the stationary case being provided with suction and delivery ducts communicating across the guide surfaces of said square portion of the bearing pin and of said guide slot with the suction and delivery ducts, respectively, of said bearing pin, the suction and delivery ducts in said end wall communicating with said delivery and suction ducts, respectively, provided in the driving shaft, and means on said end wall for slidably guiding said bearing pin transversely to the longitudinal axis thereof and for preventing longitudinal movement of the pin.

2,585,575
SAFETY VALVE WITH SPRING LOADED DIAPHRAGM
Hans Christiern Georg Richard Nedergaard, Holbaek, Denmark
Application February 27, 1948, Serial No. 11,568
In Denmark September 15, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 15, 1965
3 Claims. (Cl. 137—53)



1. A safety valve comprising a casing, a valve chamber in said casing, liquid inlet and outlet means connected with said chamber, a diaphragm stretched across said chamber, a member in said chamber having a bowl-shaped depression in the upper end thereof and an overflow passage therethrough, a circular shoe in said chamber, adjustable spring means pressing said circular shoe against said diaphragm, said shoe having a plane bottom surface of greater diameter than the upper edge of the bowl-shaped depression, a spherical segment having a flat upper portion in said depression, spring means in said member in contact with said spherical segment constantly urging said flat portion against said diaphragm and adapted to lift said spherical segment upon raising of said diaphragm under high inlet pressure in said valve chamber, said spherical segment being greater in height than the depth of said depression whereby a narrow gap acting as a pressure trap will appear between the diaphragm and the upper edge of the bowl-shaped depression when the segment rests on the bottom of the depression closing the access to the overflow passage and when the flat upper portion of the segment is kept in contact with the diaphragm.

2,585,576
GAS TURBINE UNIT FOR DRIVING ELECTRIC GENERATORS
Curt Nicolin, Oscar Anton Wiberg, and Frans Eric Ossian Östmar, Finspong, Sweden, assignors to Svenska Turbinfabriks Aktiebolaget Ljungstrom, Finspong, Sweden, a Swedish joint-stock company
Application October 24, 1949, Serial No. 123,264
In Sweden November 6, 1948
6 Claims. (Cl. 290—2)



1. In a gas turbine unit for driving an electric generator of a type having a rigid casing, free

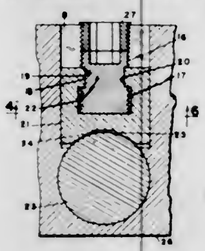
hung shaft ends and an exciter, the combination of a support for the generator, a gas turbine rotor mounted on each free hung shaft end of the generator, a turbine casing for each such rotor supported by the generator casing in free hung relation thereto at opposite ends thereof, driving fluid producers arranged coaxially with relation to the generator and the associated turbine rotors and each adapted to produce and deliver a gaseous driving fluid to a separate one of said turbine rotors, each such producer comprising a casing supported by the casing of the respective turbine rotor in a free hung relation thereto, and inside the producer casing a compressor, a combustion chamber and a turbine for driving the compressor.

2,585,577

MEANS FOR DETACHABLY RETAINING MACHINE ELEMENTS AND MECHANISMS

Andreas C. Nielsen, East Cleveland, Ohio

Application February 17, 1949, Serial No. 77,075
3 Claims. (Cl. 85—1)



1. Means for detachably retaining a machine element, comprising, in combination, a machine element provided with a longitudinally extending through slot therein and having a threaded bore positioned therein and interrupting the length thereof, a thin metallic shoe member of rectangular configuration operatively associated with the longitudinally extending slot in the machine element and having an elongated rectangular opening therein adapted to receive a conventional socket set screw rotatably disposed within the elongated rectangular opening in the shoe member, a wrench opening in the top of the shoe member defined by inwardly symmetrically arranged portions and aligned with the rectangular opening in the shoe member, the aforementioned shoe member and conventional socket set screw mounted in longitudinally extending slot and threaded bore interrupting its length, the slot adapted to prevent rotation of the shoe member therein and the conventional socket set screw adapted to tighten the shoe member to retain the machine element by contact of the lower surface of the shoe member therewith.

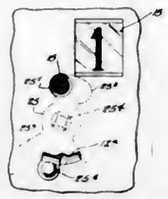
2,585,578

DECIMAL INDICATOR

Frederick A. Niemann, Chicago, Ill., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application May 9, 1945, Serial No. 592,893
6 Claims. (Cl. 116—134)

1. In combination, a casing for calculating machines, said casing being provided with numeral openings and decimal openings spaced therefrom and disposed adjacent thereto, a pivot secured to the under side of said casing, an indicating member rotatably mounted on said pivot and provided with an indicating portion movable to and from alignment with a decimal opening, said indicating member also being provided with a finger portion protruding through said casing,



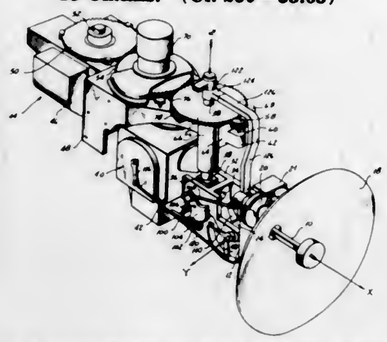
and a spring member carried by said pivot and bearing against said indicating member yieldingly to resist movement thereof.

2,585,579

MICROWAVE ANTENNA AND MOUNTING AND STABILIZING MEANS THEREFOR

Carl L. Norden, New York, N. Y., assignor to The Norden Laboratories Corporation, White Plains, N. Y., a corporation of Connecticut

Original application September 25, 1945, Serial No. 618,448, now Patent No. 2,499,228, dated February 28, 1950. Divided and this application June 21, 1949, Serial No. 100,388
13 Claims. (Cl. 250—33.65)



1. In a microwave antenna system, means for mounting said antenna system for angular movement relative to an azimuth axis, a level axis, and a cross-level axis, said azimuth axis and cross-level axis intersecting each other, and said level axis and said cross-level axis intersecting each other, said points of intersection being separated from each other, a microwave guide having a joint coaxial with the azimuth axis and spaced from the intersection of said azimuth axis with the cross-level axis, a joint coaxial with the cross-level axis and spaced from the intersection of the said cross-level axis with the level axis.

2,585,580

STABILIZING ASCORBIC ACID WITH THIO-SUGARS

Jan Oppit, Prague-Nusle, Czechoslovakia

No Drawing. Application June 10, 1948, Serial No. 32,258. In Czechoslovakia June 12, 1947
8 Claims. (Cl. 260—344.5)

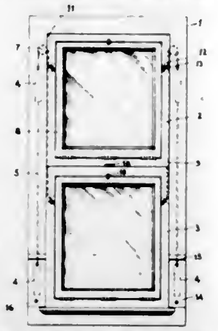
1. A method of stabilizing the ascorbic acid in naturally occurring and artificially prepared products comprising the step of adding to such products as stabilizers composite thio-sugars composed of two molecules of thio-glucose containing in their molecule two sulfur atoms in substitution for the reactive oxygen atoms in the carbonyl groups in an amount of at least .4% of the amount of ascorbic acid present.

2,585,581

WINDOW CONSTRUCTION

Samuel C. Overend, Cincinnati, Ohio

Application April 4, 1946, Serial No. 659,538
2 Claims. (Cl. 20—48)



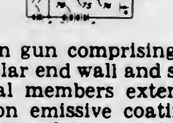
1. A window construction comprising a frame, a main sash mounted in the frame and vertically movable relatively thereto provided with an opening for a sash cord extending from its outside edge through to an inside face of said sash, and a sub-sash pivotally mounted on the main sash and fitting against the inside face of the main sash to cover the opening for the cord.

2,585,582

ELECTRON GUN

John R. Pierce, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 7, 1949, Serial No. 103,446
5 Claims. (Cl. 313—338)



1. An electron gun comprising a first cathode having an annular end wall and spaced inner and outer cylindrical members extending from said wall, an electron emissive coating on said first cathode, a heater element between said inner and outer members, and a second cathode heated solely by radiation from said first cathode and having an electron emissive end portion adjacent said end wall, said second cathode being mounted in proximity to and encompassed by said inner member.

2,585,583

HYDROGENATED BUTADIENE-ACRYLONITRILE COPOLYMER

Paul Swithin Pinkney, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 1, 1949, Serial No. 108,043
5 Claims. (Cl. 260—83.3)

1. A polymeric amine of molecular weight of from 500 to 100,000 which contains from 1.5% to 8.5% by weight of nitrogen in the form of primary amino nitrogen, which is soluble in aqueous 1%–10% acetic acid, and which is the hydrogenation product of a copolymer of 1,3-butadiene with a substance selected from the group consisting of acrylonitrile and methacrylonitrile, said copolymer having a molecular weight not exceeding 100,000 and containing, on the basis by weight of combined 1,3-butadiene and said substance, from 67% to 84% of combined 1,3-butadiene.

2,585,584

YARN PACKAGE AND METHOD OF WINDING

Frank S. Pollock, Jr., Martinsville, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

Application December 29, 1949, Serial No. 135,568
2 Claims. (Cl. 242—159)



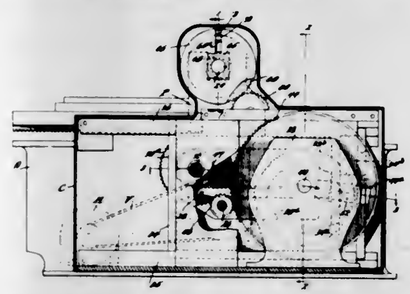
2. In a yarn package comprising yarn wound around a core support, the improvement which consists in providing, as a support for the first few yards of yarn wound, an easily removable narrow sleeve encircling one end of the core and spaced apart from the main part of the yarn package so that these first few yards of yarn may be readily disengaged from the rest of the yarn package and unwound for use as a transfer tail.

2,585,585

PRINTING PRESS DRIVE

Willard M. Pollock, Short Hills, N. J., assignor to American Type Founders, Inc., a corporation of New Jersey

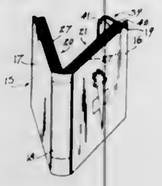
Application July 20, 1948, Serial No. 39,695
7 Claims. (Cl. 74—27)



1. In a printing press, in combination, a frame, a bed mounted on the frame for reciprocation in a plane, a power driven shaft, and mechanism connecting the shaft and bed whereby the bed is reciprocated in a non-uniform manner as the shaft revolves, said mechanism including spaced mutually facing fixed cams, guide means intermediate said cams for supporting a slide for reciprocatory movement in a direction parallel to the direction of movement of the bed, a slide mounted on said guide means, said slide having a slot therein extending transversely to the direction in which the slide moves, two radially slotted gears supported for rotation about a common axis, said gears being positioned between said cams and on opposite sides of said slide, means contacting the cam surfaces of both cams and extending through the slots of the intermediate

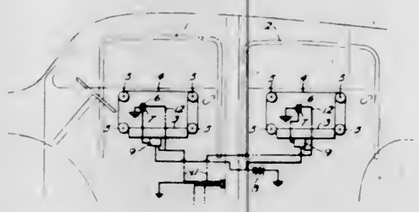
gears and slide for communicating motion from the gears to the slide under the influence of the cams, and means operatively connecting the slide and bed.

2,585,586
BOOK DISPLAY DEVICE
Irving Politzer, New York, N. Y.
Application July 21, 1949, Serial No. 106,069
3 Claims. (Cl. 40—126)



1. A book display device, comprising a one-piece cover blank folded to form an elongated center spine and front and back cover-boards on opposite sides of said center spine, separate hollow structures on the inner faces of said front and back cover-boards to simulate stacks of book leaves, said hollow structures each being of a thickness corresponding to one-half the width of said spine to meet in facial contact when said cover-boards are closed toward one another, flaps on the adjacent edges of said hollow structures which engage the center line of said spine in the closed position of said cover-boards, said flaps being extended in facial contact between the adjacent faces of said hollow structures and secured together, and means on the inner face of said spine arching said spine slightly outward in the closed position of said cover-boards.

2,585,587
CONTROL SYSTEM FOR MOTOR VEHICLE WINDOW OPERATORS
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application November 2, 1946, Serial No. 707,506
2 Claims. (Cl. 296—44)



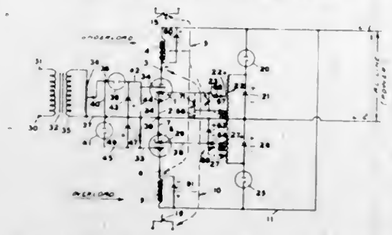
1. A motor vehicle having a window, an operator therefor including a motor connected to the window for opening and closing the same and a control for operating the motor to so open and close such window, said control being in the form of a switch accessible from within the vehicle, a door giving access to the interior of the vehicle and closable against a supporting frame, the frame and door having parts opposing each other when the door is in a closed position, and a window closing control arranged on one of the closed parts for being protected and concealed when the door is in its closed position and being accessible when the door is in an open position, said second control being operatively connected to said window motor and operable to close the window.

2,585,588
SHOE SHANK
James C. Rice and Charles Krick, Portsmouth, Ohio, assignors to The Selby Shoe Company, Portsmouth, Ohio, a corporation of Ohio
Application September 28, 1951, Serial No. 248,718
5 Claims. (Cl. 36—17)



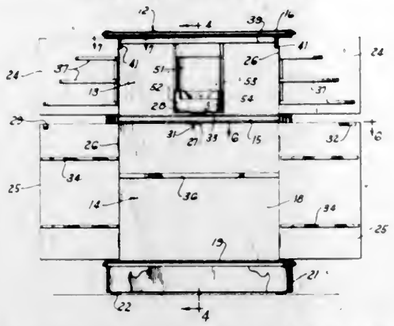
2. In a welt shoe, a shank extending lengthwise of the shoe and disposed between the inseam lips, said shank having a plurality of spaced tangs extending laterally to overlie the outer of said lips and to provide support for the fifth metatarsal bone.

2,585,589
DIFFERENTIAL CONTROL
Stuart C. Rockafellow, Farmington, Mich., assignor to Robotron Corporation, Detroit, Mich., a corporation of Michigan
Application June 27, 1951, Serial No. 233,770
15 Claims. (Cl. 175—320)



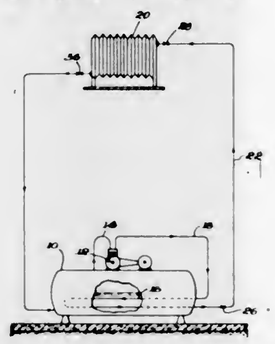
1. A differential control circuit responsive to variations in an alternating control voltage, comprising in combination: a source of alternating power potential; a first thyratron and a first relay winding in the anode circuit of said first thyratron and means connecting same in series with each other and with said power source; a second thyratron and a second relay winding in the anode circuit of said second thyratron and means connecting same in series with each other and with said power source, the circuit of said second thyratron and said second relay winding being in parallel with the circuit of said first thyratron and said first relay winding; first and second control electrodes in each of said thyratrons; a source of substantially constant positive standard potential and means applying same between the first control electrode and the cathode in said first thyratron; a source of substantially constant negative standard potential and means applying same between the first control electrode and the cathode in said second thyratron; a pair of terminals for receiving said alternating control voltage; means responsive to said last-named voltage for applying negative pulses thereof to the second control electrode in said first thyratron and means applying positive pulses thereof to the second control electrode in said second thyratron.

2,585,590
HOME BAR
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application March 5, 1947, Serial No. 732,577
7 Claims. (Cl. 312—311)



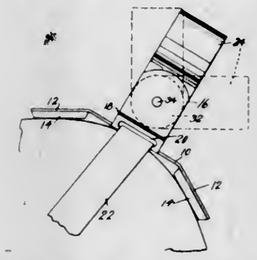
1. A home bar, comprising a cabinet having an unbroken top surface and hinged closure means at the front thereof adapted to be swung forwardly through 180 degrees to fully open position, a horizontal tray disposed beneath said top surface and normally retracted into the interior of said cabinet to the rear of said closure means, and means mounted interiorly of said cabinet for slidably supporting said tray for forward horizontal movement to an operative position exteriorly of said cabinet adjacent said top surface, the inner surface of said closure means normally blocking forward movement of said tray and an edge of said closure means disposed at right angles to said inner surface blocking forward movement of said tray during forward swinging of the closure means until said closure means is in fully open position.

2,585,591
HEATING SYSTEM
John H. Roper, Mechanicville, N. Y.
Application October 21, 1948, Serial No. 55,663
15 Claims. (Cl. 237—81)



1. A process for converting mechanical energy into heat energy which comprises maintaining a body of liquid in contact with its vapor in a closed system, withdrawing vapor from said system and compressing it to provide super-heated vapor, passing the thus generated super-heated vapor in indirect heat exchange with said body of liquid as required to transfer only part of the super-heat to said body of liquid, thereafter bringing super-heated vapor into indirect heat exchange with a medium which it is desired to heat, and returning the thus cooled product to said closed system, the amount of heat transferred from said super-heated vapor to said body of liquid being sufficient to maintain the temperature of the body of liquid without extraneous heating.

2,585,592
BODY SUPPORTED FLASHLIGHT HOLDER
Clarence M. Sears, Ayer, Mass., assignor of one-half to Cecelia Sears, Ayer, Mass., and one-half to G. Fred Swanson, Providence, R. I.
Application January 9, 1950, Serial No. 137,650
3 Claims. (Cl. 240—59)



3. In a device of the class described, a base, straps thereon at opposite side edges thereof, said straps being apertured to receive an attaching band, a band in the apertures, a Y-shaped flashlight holder having a leg between the straps, friction means between the leg and straps, and pivot means connecting the leg and straps and exerting a compressive action on the straps.

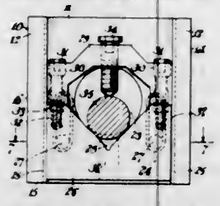
2,585,593
METHOD FOR PREPARING CHLORINE DIOXIDE GAS
Johan Waldemar Sevón and Frey Viking Sundman, Kuusankoski, Finland; Karl-Gustaf Birger Fogelholm, administrator of the estate of said Johan Waldemar Sevón, deceased, assignors to Kymin Osakeyhtio-Kymmene Aktiebolag, Kuusankoski, Kymi, Finland, a company of Finland
No Drawing. Application May 16, 1946, Serial No. 670,318. In Finland January 12, 1946
6 Claims. (Cl. 23—152)

1. Process of producing chlorine dioxide comprising reacting a solid chlorate salt moistened with insufficient water to dissolve the same with a gaseous mixture of sulfur dioxide and hydrogen chloride whereby moisture formed in the reaction is continuously removed and a solution of the solid chlorate salt inhibited.

2,585,594
ADJUSTABLE GENERATING V-BLOCK
George E. Snyder, Philadelphia, Pa.
Application December 9, 1946, Serial No. 714,986
8 Claims. (Cl. 90—59)

1. In an adjustable generating V-block, a plural sided holding unit having a channel with its longitudinal center equi-distant from at least two opposite locations on the border of said holding unit, and a V-block unit to support a work-piece slidably mounted in said channel whereby when

said work-piece is carried to a position midway the length of said channel due to adjustment of



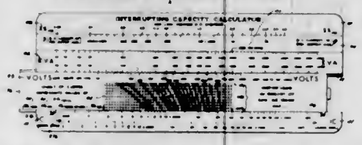
the V-block unit the said work-piece will be equidistant from all of the sides of the holding unit.

2,585,595

INTERRUPTING CAPACITY CALCULATOR FOR LOW-VOLTAGE ALTERNATING CURRENT DISTRIBUTION SYSTEMS

Nye S. Spencer, Merion, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 14, 1950, Serial No. 190,094
3 Claims. (Cl. 235—70)



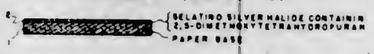
1. A calculator comprising a base, a longitudinal slide mounted and longitudinally slidable with respect to said base, a first logarithmic scale on said slide adjacent one longitudinal edge thereof; a family of curves extending in a generally transverse direction across said slide and terminating adjacent the opposite longitudinal edge of said slide; a second logarithmic scale on said base adjacent the first-mentioned longitudinal edge of said slide; a third logarithmic scale on said base adjacent the second-mentioned edge of said slide, said slide being movable to a position where selected portions of said first and second logarithmic scales are in register; said family of curves then registering with related portions of the third logarithmic scale related to the registered portions of the first and second logarithmic scales, additional transverse and longitudinal lines on said sliding element, said transverse lines interrupting said family of curves and extending to said third scale, said longitudinal lines interrupting said family of curves and said transverse lines, and a fourth logarithmic scale on the reverse side of said slide presenting a reading in response to the registering of said first and second logarithmic scales.

2,585,596

PHOTOGRAPHIC EMULSIONS CONTAINING 2,5-DIMETHOXYTETRAHYDROFURAN

William Alexander Stanton, Westfield, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

Application December 29, 1949, Serial No. 135,819
5 Claims. (Cl. 95—7)



1. A light-sensitive, gelatino silver-halide emulsion containing a small amount of 2,5-dimethoxytetrahydrofuran.

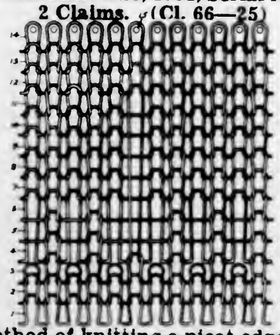
5. A photographic element comprising a thin flexible sheet of paper bearing at least one layer composed of a light-sensitive, gelatino silver-halide emulsion containing from 0.2 to 3.3 parts of 2,5-dimethoxytetrahydrofuran per part of gelatin on a dry basis and having a thin gelatin protective layer coated on said emulsion layer.

2,585,597

METHOD OF KNITTING

Paul L. St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Pawtucket, R. I., a corporation of Massachusetts

Application March 20, 1951, Serial No. 216,527
2 Claims. (Cl. 66—25)



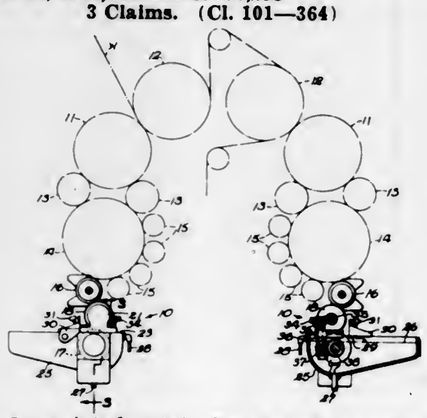
1. A method of knitting a picot edge for knitted fabric on a circular independent needle dial and cylinder knitting machine which includes the steps of feeding yarn to dial and intermediate cylinder needles in alternation, knitting at least one course by intermediate cylinder needles with the exception of spaced intermediate cylinder needles while holding the yarn upon the dial needles and said spaced intermediate cylinder needles, then knitting at least one course upon all dial needles and all intermediate cylinder needles with the exception of said spaced intermediate cylinder needles and continuing to hold the yarn upon said spaced intermediate cylinder needles and then knitting rib fabric upon all dial and intermediate cylinder needles.

2,585,598

PRINTING PRESS INK FOUNTAIN

Auburn Taylor, Charleston, W. Va., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois

Original application July 11, 1945, Serial No. 604,380. Divided and this application November 20, 1947, Serial No. 787,253
3 Claims. (Cl. 101—364)



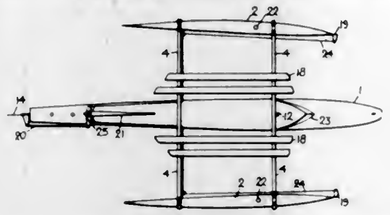
1. In an ink fountain for a printing press, the combination comprising a housing susceptible of holding a body of ink and having upstanding end walls, an overshot fountain roller mounted within said housing in partially submerged relation with the body of ink, a fountain roller shaft, annular bearings in said housing end walls for supporting said shaft and said roller for rotation about a fixed axis, said bearings being disposed in open communication with the body of ink but sealed against communication with the exterior of said housing.

2,585,599

SPACED HULL ARRANGEMENT FOR SAILBOATS

Victor C. Tchetchet, Great Neck, N. Y.

Application November 23, 1945, Serial No. 630,160
4 Claims. (Cl. 114—61)



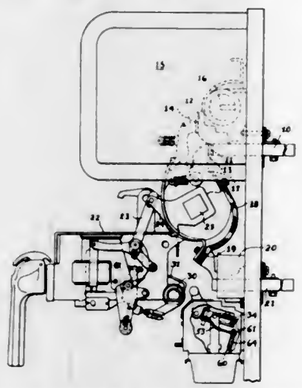
1. A boat comprising two side hulls in spaced relation to each other; a main hull positioned centrally between the side hulls; cross beams secured to the main hull at their middle portions; means to support the ends of the cross beams on the side hulls, the bottoms of the side hulls being inclined with the outer edges of the hulls at a higher elevation than the inner edges; and means to adjust the height of the side hulls relative to the height of the main hull.

2,585,600

RESONANT SILENCER

Carl Thumim, Yeadon, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 3, 1949, Serial No. 68,831
1 Claim. (Cl. 200—91)



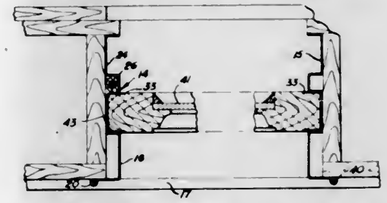
In a circuit breaker for use in a circuit carrying cylically pulsating current having a pair of cooperable contacts, a trip magnet responsive to predetermined currents for effecting disengagement of said contacts, said magnet having an armature, said armature having movement in response to less than said predetermined currents, a calibrated biasing means for restraining said armature for movement to full trip position only in response to energization of said magnet by said predetermined current and a resonant inertia member attached to said armature and having the same period of vibration as said cyclically pulsating current, said inertia member comprising a double pronged leaf spring secured to said armature at one end and having legs at the other end and a plurality of weights secured to said legs, the connection of said inertia member to said armature being such that said inertia member vibrates out of phase with said armature, and restrains movement of said armature at currents less than said predetermined currents.

2,585,601

WINDOW CONSTRUCTION

Nicola Trombetta, Hoboken, N. J.

Application September 24, 1949, Serial No. 117,567
2 Claims. (Cl. 20—52.2)



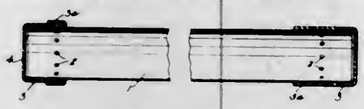
1. In a window frame for vertically slidable upper and lower sash, the frame having a single-unit upper channel member on the bottom surface of the top thereof, the upper channel member extending downwardly from the top of each jamb substantially to the bottom of the upper sash in the raised position and having at least on each jamb spaced parallel central and inner strips forming a part of an inner channel for the lower sash and an outer strip spaced parallel from the central strip forming a part of an outer channel for the upper sash, the inner strip having an inner integrally formed turned edge adjacent the inner periphery of the window frame; the improvements comprising a reversible lower channel member for each jamb coacting with the upper channel member, one of the reversible members comprising at least an outer and an inner lower channel member, the outer channel member comprising a central strip in opposed relationship with the central strip of the upper channel member and a bottom portion integrally formed with the central strip and aligned with the bottom of the outer channel of the upper channel member, the integrally formed bottom portion of the outer channel being turned inwardly adjacent the outer edge and aligned with the outer strip of the upper channel member, means for pivotally hinging together the opposed ends of the upper and outer members, and means for pivotally hinging the free end of the central strip of the outer member in the window sill with the central strips of the members aligned; the inner channel member comprising an inner strip in opposed relationship with the inner strip of the upper member and an integrally formed turned edge in opposed relationship with the turned edge of the upper member, means for pivotally hinging together the opposed ends of the turned edges of the members, and means for pivotally hinging the free end of the turned edge of the inner member to the window sill, the turned edges of the members being aligned; a second reversible lower channel member for the opposite jamb, the inner edge of the second inner member being turned and in opposed relationship with the turned edge of the upper member, the second

inner member further having integrally formed inner and central strips aligned with the inner and central strips of the upper member, means for pivotally hinging together the opposed ends of the turned edges of the upper member and the second inner member, means for pivotally hinging the free end of the turned edge of the second inner member to the window sill, and guide means aligned with the inwardly turned edge of the outer channel member and the outer strip of the upper channel member disposed on the jamb and outwardly spaced from the central strip of the second reversible lower channel member.

2,585,602

CYLINDRICAL CONTAINER AND CLOSURE CAP THEREFOR

Edwin B. Turner, Wellington, Ohio
Application April 21, 1948, Serial No. 22,312
3 Claims. (Cl. 220—42)

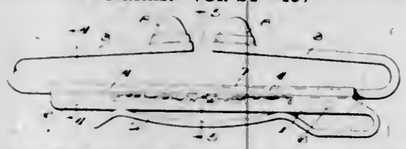


1. An end closure for open end tubular containers comprising a resilient tubular body closed at one end and open at its opposite end, said body formed with a circumferential groove spaced from the open end to weaken the connection of the open end portion with the body the open end portion from the grooved portion being folded back on the body to a position around and lying flat in non-rolling contact with the body for applying sealing pressure to the latter externally thereof.

2,585,603

ADJUSTABLE TIE HOLDER

Harold C. Vaisey and William H. Meeker, Rochester, N. Y., assignors to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application May 5, 1947, Serial No. 745,946
8 Claims. (Cl. 24—49)

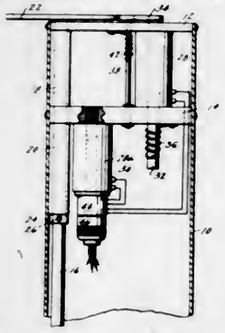


1. A necktie holder including an elongated solid rigid supporting bar, a substantially U-shaped channel element on the bar at the front side thereof substantially coextensive in length therewith, the sides of said channel element fitting on the upper and lower faces of the supporting bar and being fixedly secured thereto, the channel element forming with the front face of the supporting bar a rigid tubular bearing, said bar having a recess in the front side thereof intermediate its ends, a pair of oppositely disposed arms each having a portion thereof extending into the tubular bearing from one end thereof and supported thereby, one of said arms being supported for longitudinal sliding adjustment relative to the tubular bearing and to the other of said arms, said adjustable arm having a laterally and inwardly projecting portion on the inner end thereof, and means for holding said adjustable arm in different positions of longitudinal adjustment, said means being completely enclosed within the tubular bearing and including a serrated member mounted in the recess in the supporting bar and carried thereby, the laterally and inwardly projecting portion on the inner end of said adjustable arm engaging said serrated member and constituting therewith a holding and adjustment member, one of said members being resiliently urged laterally toward the other so that said holding and adjusting member is maintained in operative engagement with the serrated member to resiliently and adjustably hold said adjustable arm in any selected position along the supporting bar within the channel element and allowing for longitudinal adjustment relative to the channel element and the supporting bar.

2,585,604

ROTATING DISK ICING RATE METER

Bernard Vonnegut, Alplaus, N. Y., and Robert E. Katz, Washington, D. C., assignors to the United States of America as represented by the Secretary of the United States Air Force
Application August 17, 1950, Serial No. 179,974
4 Claims. (Cl. 33—143)

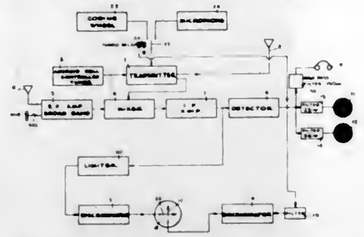


1. A device for measuring the rate at which ice is forming on the leading surfaces of an aircraft, said device comprising, in combination, a hollow mast of airfoil cross section, a header of non-magnetic material closing the outer end of said hollow mast, a transverse partition of magnetic material dividing the hollow of said mast into an outer and an inner chamber, an electromagnetic coil in the outer chamber with axis parallel with the mast axis, a core in said coil rockably supported, at the outer end, in said header and at the inner end in said partition, a second electromagnetic coil substantially like the first in the inner chamber with axis parallel to but offset with the axis of the first coil, a second core for said second coil fixedly supported in said partition, a shaft extending longitudinally in said mast axially parallel with said coils and through said header, bearings supported within said mast for said shaft, a disc fast on said shaft outside said header, a feeler arm fast on the first said core with the feeler end of the arm resting on the periphery of said disc, a cutter shaft rockable in bearings in said header and said partition and extending through and beyond said header, a cutter having one end fast on said cutter shaft and the other end brought to a sharp edge and resting on the periphery of said disc, a torque spring coiled around the first said core and having one end fast on the first said core and the other end fast on said partition, a second torque spring coiled around the cutter shaft and having one end fast on said cutter shaft and the other end fast on said header, in combination with a transformer, an amplifier, a rectifier, and a recording milliammeter, the said electromagnetic coils forming two arms of a bridge and the primary of the transformer being center tapped and connected to form the other two arms, and a resistor to balance the bridge, the output of the transformer being connected to the amplifier, the output of which is rectified by the rectifier and connected for operation of the recording milliammeter.

2,585,605

NAVIGATIONAL SYSTEM

Marcel Wallace, Fairfield County, Conn., assignor, by mesne assignments, of one-half to said Wallace, doing business as Panoramic Laboratories, East Port Chester, Conn.
Application November 12, 1946, Serial No. 709,338
47 Claims. (Cl. 343—112)

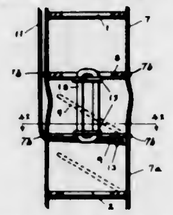


1. A system of communication comprising a transmitter aboard an aircraft, a receiver aboard said aircraft, means for tuning said transmitter and receiver in accordance with the altitude of said aircraft, a ground transmitter, and means for maintaining the tuning of said ground transmitter at a frequency bearing a predetermined relation with the frequency of tuning of said receiver.

2,585,606

VENETIAN BLIND

James B. Whittaker, Rochester, N. Y.
Application June 22, 1945, Serial No. 600,884
3 Claims. (Cl. 160—115)

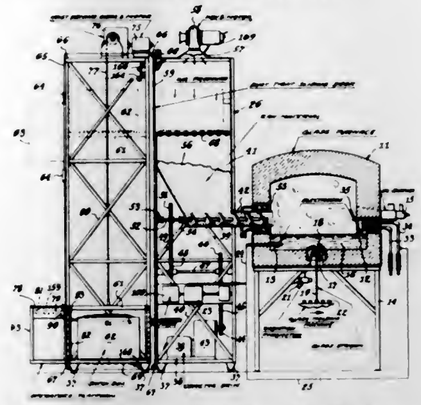


1. In a Venetian blind the combination of a series of slats said slats being of like cross section from top to bottom, ladder tapes supporting said slats, each ladder tape being divided into an upper and lower section the slats of each section being supported through said tapes by the top slat of each section, links independent of said ladder tapes connected to the lower slat of the upper section on its longitudinal central line, and connected to the upper slat of the lower section on its longitudinal central line, the said lower slat supporting the slat thereby, brackets on each of the slats, each of said brackets having a T-shaped head, each of the links having a slot therein which is adapted to engage with the stem of the upper and lower T-shaped head, a bottom slat on the lower section and a supporting bar at the top of the upper section, cords attached to said bottom slat and running up through suitable openings in the slats of both sections and through a suitable groove in the supporting bar for the purpose of raising and lowering all of the slats collectively.

2,585,607

GLASS FURNACE CHARGING

James B. Whitmore, Bloomfield, and Frank A. Newcombe, Nutley, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 25, 1941, Serial No. 399,652
7 Claims. (Cl. 214—29)



1. Apparatus for maintaining the liquid level in a furnace comprising means for charging said furnace, a circuit, including a relay armature from a power supply to said charging means, means for controlling the time during which said charging means acts, comprising a pair of spaced electrodes in said furnace, one of which is submerged in, and the other disposed at a higher elevation so that it alternately touches the top surface of, and breaks contact with the contained liquid during furnace operation, said other electrode comprising a hollow metal element having a frusto-conical lower portion, the sides of which are provided with notches, a platinum cap over the lower electrode surface with edge portions crimped in said notches, means for introducing and withdrawing cooling liquid with respect to said electrode, a powered electrical circuit including said electrodes and a resistor in series with some of the furnace-contained liquid therebetween, a grid-containing control tube, having a plate circuit, whose grid is biased by a connection with said resistor so that its conductivity is affected by the variation in the current flow in said electrode circuit, and a solenoid in the plate circuit of said tube for controlling said armature, whereby said solenoid is energized to raise its armature and open the power supply circuit to said charging means, only when the higher electrode is engaged by the liquid, and said charging means thus operates only when material is needed to bring the liquid level up to contact said electrode.

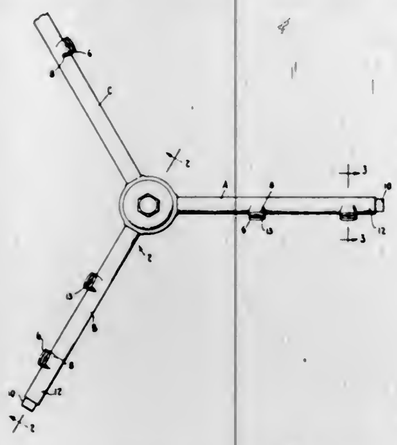
2,585,608

RINSING AND DRYING NOZZLE FOR DISHWASHERS

Albert W. Wieghart, Chicago, Ill., assignor to Friedley-Voshardt Company, Chicago, Ill., a corporation of Illinois
Application June 23, 1948, Serial No. 34,668
2 Claims. (Cl. 299—58)

1. In a dishwasher having a whirling water discharge, means to rinse dishes, said rinsing means comprising a hollow standard, a rotatable cap therefor, a plurality of radially extending hollow arms attached to said cap, means to introduce water under pressure into said arms, each of said arms having integral bosses projecting

therefrom, said bosses being slit and having a wall which is inclined outwardly relative to the longitudinal axis of the arm, said wall defining



one side of said slit to allow said water under pressure to be ejected therefrom with said wall as a guide.

2,585,609

MANUFACTURE OF ALPHA SODIUM TETRASILICATE

John H. Wills, Chester, Pa., assignor to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application February 16, 1948, Serial No. 8,742
5 Claims. (Cl. 23—110)

1. As a new product, alpha sodium tetrasilicate in the form of clear crystals having a particle size ranging from about 1 to 50 microns in their largest dimension, most of the crystals being in the form of orthorhombic plates, a small proportion of acicular or needle-like crystals being sometimes present, said crystals being either uniaxial or if biaxial beta and gamma being practically identical, whose elongation is gamma and extinction parallel, wherein alpha equals

$$1.471 \pm 0.002$$

and gamma equals 1.485 ± 0.002, the composition of said crystals being about 1 Na_2O:4.2–4.4 SiO_2: 3.5–4.5 H_2O when dried at 105° C. and being substantially stable when heated for short periods to temperatures close to 150° C.

2,585,610

PROCESS FOR DYEING FURS USING AN AQUEOUS ALCOHOL SOLUTION OF A COMPLEX METAL COMPOUND OF AN AZO DYESTUFF FREE FROM ACID GROUPS

Robert Wittwer, Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm

No Drawing. Application February 25, 1949, Serial No. 78,464. In Switzerland March 11, 1948
1 Claim. (Cl. 8—10)

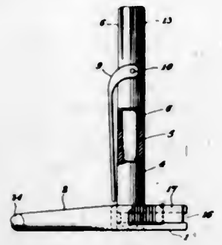
A process for dyeing furs which comprises conducting the dyeing operation at a temperature of from 40° C. to 60° C. in a dyebath consisting of water, from about 20 to 80 per cent. of aliphatic alcohol containing at the most three carbon atoms, and a complex metal compound of an azo dyestuff which is free from acid groups, dissolved in said dyebath.

2,585,611

HAIR CURLER

Alexis Zachary, New York, N. Y.

Application October 5, 1948, Serial No. 52,817
6 Claims. (Cl. 132—40)



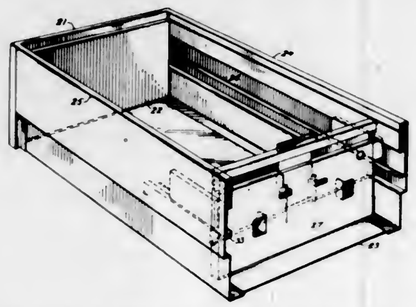
1. A hair curler comprising a base with legs extending therefrom, the base having a bearing aperture adjacent the junction of the legs and a recess in the edge of the base opening into the side of the aperture, a post having one end in said aperture and a catch in said recess engaging the end of the post in said aperture to hold said post on said base, said legs being hollow and each having a spring secured therein and flexible elements connected to said springs and catch, so that the catch is removably retained in said recess, the catch having an aperture to enable it to be put on the post and grip the hair thereon.

2,585,612

FOLLOWER FOR CARD FILING TRAYS

Charles M. Abrahamson, Aurora, Ill., assignor to All-Steel Equipment Inc., a corporation of Illinois

Application June 22, 1946, Serial No. 678,632
7 Claims. (Cl. 129—26)



7. In a card tray having side walls, the combination of a follower shiftable longitudinally of the tray, guide means for maintaining the follower in a position transverse to the longitudinal axis of the tray during such movement, a horizontal sheet metal flange adjacent to and extending inwardly from each of said side walls, and locking means carried by said follower for gripping said flange to retain the follower in adjusted position in said tray, said locking means including a cam member and a guide member, one of said members being positioned over the horizontal flange and the other directly beneath it and in vertical alignment with said first-named member, a rock lever carried by the follower and secured to the cam member for rotating the latter to thereby compress the flange between said two members, and a spring normally biasing the cam member to locking position.

2,585,613

METHOD OF HEAT-TREATING ELECTRICAL RESISTANCE ALLOY

Victor O. Allen, Madison, N. J., assignor to Wilbur B. Driver Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application August 16, 1949, Serial No. 110,671
9 Claims. (Cl. 148—13)

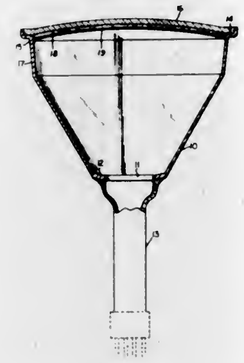
1. The method of treating a wire comprised of an alloy consisting of 10 to 30% Cr, balance Ni, to impart thereto a temperature coefficient within the range 20 to 300° C. of less than .0001 ohm and an electrical resistance above 650 ohms which comprises heat treating the wire in a reducing atmosphere for from 1 to 5 hours at a temperature within the range 780–1000° F. and cooling the heat-treated product slowly down to atmospheric temperatures.

2,585,614

METAL CONE CATHODE-RAY TUBE

James S. Bailey and Adolph W. Schmidt, Chicago, Ill., assignors to The Rauland Corporation, a corporation of Illinois

Application December 29, 1950, Serial No. 203,428
2 Claims. (Cl. 313—92)



1. A cathode-ray tube comprising: a hollow thin-walled metal cone member of generally frusto-pyramidal form having at one end a relatively small axial aperture bounded by a flange and at the other end a relatively large axial aperture also bounded by a flange, and further having an intermediate portion of substantially constant transverse area extending from said large aperture for a palpable distance toward said small aperture; a generally cylindrical glass electron-gun chamber sealed to said first-mentioned flange; a glass face plate sealed to said second-mentioned flange; a fluorescent screen affixed to the internal surface of said face plate; and a thin uniform electron-permeable metallic coating applied to said fluorescent screen.

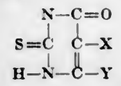
2,585,615

HALO-THIOURACILS

Harold W. Barrett, Boulder, Colo., assignor to The Chemical Foundation, Incorporated, a New York membership corporation

No Drawing. Application January 5, 1948, Serial No. 643
10 Claims. (Cl. 167—65)

10. A new therapeutic agent having thyroid activity suppressing action comprising a compound of the formula



where X is a halogen and Y is a member of the group consisting of hydrogen and alkyl.

2,585,616

PROCESS OF PICKLING METALS

Marion D. Barnes, New York, N. Y., assignor to Sparex Chemical Company, a partnership

No Drawing. Application August 9, 1946, Serial No. 689,525
2 Claims. (Cl. 134—3)

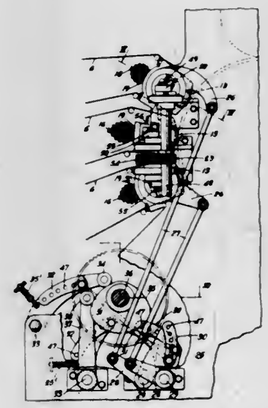
1. The method of pickling iron which comprises contacting the iron and scale thereon with an aqueous solution of acidic material consisting essentially of sodium bisulfate and oxalic acid in contact with solid oxalic acid in excess of the amount soluble in the solution and maintaining the contact of the scale with crystals of the latter in excess of the amount soluble in the solution until the scale is dissolved.

2,585,617

INTAGLIO PRINTING MACHINE

Alfred Pierssene Battey, Reigate, England, assignor to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York

Application March 28, 1947, Serial No. 737,794
In Great Britain April 5, 1946
9 Claims. (Cl. 101—156)



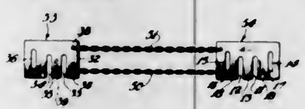
1. A rotary intaglio printing machine comprising in combination a printing cylinder, a part-cylindrical printing surface carried thereby, a support having an arcuately curved surface extending lengthwise of the cylinder, means carrying the support for rocking movement about a fixed axis coincidental with the axis of arcuate curvature of the said surface and parallel with the axis of the cylinder, a wiper cloth, means training that cloth over the curved surface of the support, and means to rock the support about the said fixed axis first in one direction while the printing surface is passing the support and then in the opposite direction when the printing surface has passed the support.

2,585,618
NAVIGATIONAL COMPUTER OF THE SLIDE RULE TYPE
Oscar E. Batori, New York, N. Y.
Application October 25, 1951, Serial No. 253,081
In Great Britain October 30, 1950
20 Claims. (Cl. 235—84)



1. A computer comprising a fixed circular base member having thereon a logarithmic scale in terms of distance, a rotatable member in front of and smaller than said base member and rotative thereto, said rotatable member having an outer logarithmic scale in terms of time and an inner logarithmic scale in terms of speed, said inner scale being inverted and angularly disposed by logarithmic 60 with respect to said outer scale, and a result indicator fixed to said base member, overlying said rotatable member and of a diameter to conceal the inner scale and expose the outer scale on said rotatable member, said result indicator having an opening therethrough over said inner scale so as to reveal parts thereof.

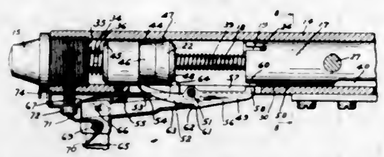
2,585,619
BUCKLE
Maximilian C. Becker, East Orange, N. J.
Application December 28, 1948, Serial No. 67,710
3 Claims. (Cl. 24—200)



2. A buckle comprising a member having a pair of spaced slots extending through one edge thereof, a finger located between said slots and having a free end located at the mouth of said slots, a rib secured to and extending outwardly from a face of said member, said member having a recess therethrough located to one side of said slots and said rib, the closed end of one of said slots located between the planes of termini of said recess, said slots and said ribs being substantially parallel to each other.

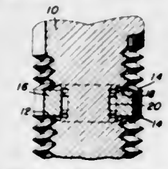
2,585,620
FIRING MECHANISM FOR SEMI-AUTOMATIC FIREARMS AND SAFETY THEREFOR
Carl H. Benson, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application April 14, 1945, Serial No. 588,342
10 Claims. (Cl. 89—150)

1. In firing mechanism for a firearm, a receiver, a cartridge firing element, an element movable in the receiver to strike said firing element to fire a cartridge, said movable element having a sear notch, a sear engaging said movable element in said sear notch to releasably hold said element against movement, a trigger, a connector attached to said trigger and releasably engaging said sear for transmitting movement of the trigger to the sear to release it from the sear notch in the movable element, and means



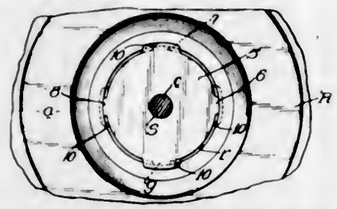
on the connector extending into the path of movement of said movable element, to be engaged by said movable element when it is released by the sear to release the connector from said sear.

2,585,621
SELF-LOCKING BOLT OR CAP SCREW
Clarence W. Brandon, Tallahassee, Fla., assignor of sixteen and two-thirds per cent to N. A. Hardin, sixteen and two-thirds per cent to Hazel H. Wright, and sixteen and two-thirds per cent to Catherine H. Newton
Application November 10, 1947, Serial No. 785,139
2 Claims. (Cl. 151—7)



1. An anti-vibration self-sealing bolt comprising a threaded shank, said shank having a circumferentially extending annular recess in its periphery intermediate the ends of the threads of the shank, the walls of said recess being undercut, a ring of compressible sealing material in said recess, means for retaining said ring of compressible sealing material in said recess, said retaining means including adjacent threads on opposite sides of said recess being diametrically enlarged and deformable for compressive bearing engagement upon said ring.

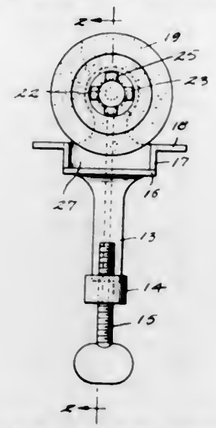
2,585,622
RECORD ADAPTER
Paul K. Bridenbaugh and Frank A. Jansen, Chicago, Ill., assignors to Webster-Chicago Corporation, Chicago, Ill., a corporation of Illinois
Application September 15, 1949, Serial No. 115,858
4 Claims. (Cl. 274—42)



2. As a new article of manufacture, an adapter in the form of a relatively inflexible one-piece circular disc having a hole in the center thereof, a plurality of circumferentially spaced bosses extended radially outwardly from said disc, and a flange extended radially outwardly from each boss in flush relation with the disc and forming therewith a shoulder arranged to engage at spaced

points with the side of a flexible circular record when the several bosses are engaged with the periphery of the hole therein to maintain the disc concentric with the record but spaced therefrom except where engaged by the shoulders.

2,585,623
SCISSOR SHARPENER
Jacob Brockley, Newport News, Va.
Application October 5, 1950, Serial No. 188,584
1 Claim. (Cl. 51—156)



A scissor blade sharpener, comprising a base having a horizontally disposed fixed member of substantially rectangular form, clamp means dependently carried by said base, an upright member having a bore therein disposed at one side of said base, said upright having oppositely disposed side extensions attached to one side of said base, a pair of spaced vertical walls affixed to said base and disposed at right angles to said side extensions to form an open-top receptacle extending at right angles to said upright, said vertical side walls having their top edges formed as oppositely extending right angularly disposed flanges lying in the same horizontal plane, a transverse support member having a head force fitted in said bore of said upright in overhanging relation to said receptacle, an abrasive wheel having a recess in one face thereof rotatably carried by said support and extending into said receptacle between said spaced flanges for engagement by a scissor blade supported by either one of said flanges to engage said wheel at a fixed angle, said flanges being equidistant from the periphery of said wheel, a spacing disc disposed between said wheel and said upright, a friction plate engaging the opposite side of said wheel in said recess, and a spider-like spring means carried by said support member and wholly contained within said recess for spring engagement between said head and said friction plate to frictionally restrain said wheel against free rotation.

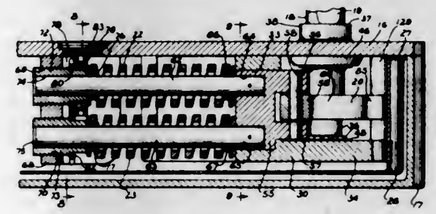
2,585,624
THREAD FOR GLASS CONTAINERS
Raymond V. Bromley, Washington, D. C., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application May 8, 1950, Serial No. 160,683
5 Claims. (Cl. 215—31)

1. A glass container adapted to be sealed with a screw cap, and a one-piece finish on the container including a continuous glass thread on the neck of the container, and an odd number of evenly spaced depending portions along the con-



tinuous thread, said depending portions being integral with the continuous thread and the bottoms of said depending portions being arranged in a helix.

2,585,625
DOOR CHECK MECHANISM
Martin Carlson, Brookfield, Ill., assignor to George W. Houlsby, Jr., Chicago, Ill.
Application January 21, 1950, Serial No. 139,831
2 Claims. (Cl. 16—55)

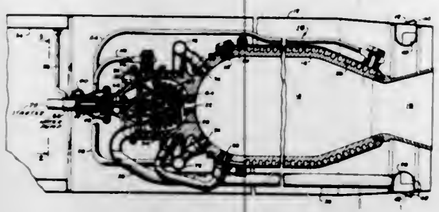


1. In a door check mechanism, a vertical rotatable spindle to which a door is adapted to be attached, and which is adapted to be rotated by swinging movement of the door to open position, a cam on the spindle and rotatable therewith, a slide block provided with a cam follower engaging the cam, a pair of parallel rods each secured at one end of the slide block, helical compression springs on the rods urging the slide block in a direction for retaining the follower in contact with the cam and urging the cam and spindle in a door closing direction, separate adjustable abutments for the springs adjacent the ends of the rods opposite the slide block, and means comprising cooperative gears gearing the abutments together whereby adjusting movements of one of said gears for varying the compression of the spring on the respective rod effects adjustment of the other abutment for simultaneously varying the compression of the other spring.

2,585,626
TURBINE MECHANISM FOR DRIVING THE FUEL PUMPS OF ROCKETS
Allan Chilton, Ridgewood, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application September 19, 1947, Serial No. 774,992
4 Claims. (Cl. 60—35.6)

1. In a rocket type power plant, a combustion chamber having a nozzle through which the combustion gases discharge for providing said power plant with propulsive thrust; pump means for supplying a combustion agent to said chamber; an auxiliary chamber; a passageway providing restricted communication between said chambers

through which a portion of the combustion gases expand from said combustion chamber into said auxiliary chamber; passage means disposed in heat exchange relation with combustion gases in said auxiliary chamber, said passage means having an opening communicating with said chamber, pump means for circulating a relatively cool
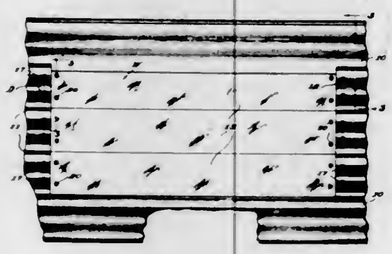


liquid through said passage means and through said opening into said auxiliary chamber, at least a portion of said liquid being vaporized by the heat of the combustion gases within said auxiliary chamber; a turbine arranged to be driven by the gases discharging from said auxiliary chamber; and means drivably connecting both of said pump means to said turbine.

2,585,627

VISION LIGHT METAL SLAT ROLLING DOOR

Milton L. Cornell, Malba, and Rowland K. Bennett, Bayside, N. Y., assignors to Cornell Iron Works, Inc., Long Island City, N. Y., a corporation of New York

Application September 17, 1948, Serial No. 49,724
4 Claims. (Cl. 160—180)



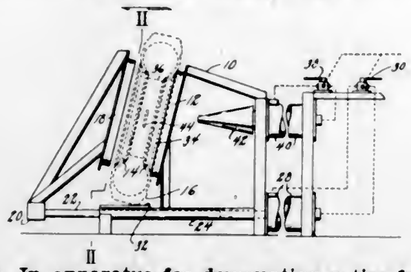
1. A metal slat rolling door including a plurality of slats having their adjacent edges rolled and interengaged for pivotal movement of the slats on parallel axes, several of said slats each comprising a pair of sections having aligned spaced ends which together with slats above and below said pairs of slats provide a rectangular opening in the door, a plurality of window sections in said opening with each section alined with the slat sections of one pair thereof, the opposite ends of each window section being disposed adjacent corresponding ends of the slat sections, clip members removably connecting the ends of the window sections with the corresponding ends of the slat sections, adjacent side edges of the window sections being concave and convex for pivotal movement thereof on the pivotal axes of the corresponding slat sections, and the side edges of the upper and lower window sections adjacent said slats above and below said opening being arcuate and conforming with adjacent edges of said last slats for pivotal movement therewith.

2,585,628

TIRE MOUNTING AND DEMOUNTING APPARATUS WITH CIRCUMFERENTIALLY DISTRIBUTED THRUST MEMBERS

Charles S. Crane, Findlay, Ohio

Application February 17, 1948, Serial No. 8,931
5 Claims. (Cl. 157—1.2)



1. In apparatus for demounting a tire from a rim, means for circumferentially engaging a side wall of said tire, additional means for circumferentially engaging the opposite side wall of said tire, means forcing the side wall engaging means toward each other for breaking the bead of said tire from the rim and to hold said tire in a fixed position, a reciprocal element movable along a line angularly extending through the plane of a circle extending medially about the periphery of said tire, said element including a rim gripping device, and means operating said element along said line.

2,585,629

BUNION PAD AND THE LIKE

Claud F. Crawford, Pasadena, Calif., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York

Application November 25, 1949, Serial No. 129,327
11 Claims. (Cl. 128—153)



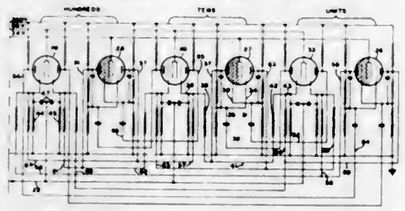
1. In a treatment pad for bunions and similar afflictions of the foot, a concavo-convex shield of resilient material, and a free inwardly extending flange member of resilient material and of the general overall contour of said shield with its edge circumscribed by and secured to an interior part of said shield.

2,585,630

DIGIT SHIFTING CIRCUIT

Loring P. Crosman, Darien, Conn., assignor to Remington Rand, Inc., New York, N. Y., a corporation of Delaware

Application May 3, 1949, Serial No. 91,060
9 Claims. (Cl. 235—133)



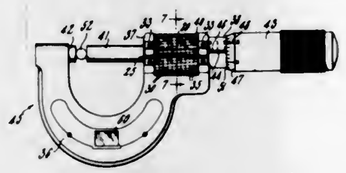
1. A digit shifting circuit for shifting an accumulated digit value from one denominational order of an electronic accumulator to the adjacent order comprising, a plurality of electronic trigger stages in each order, each representing a digit, a plurality of gate stages for controlling the application of a shift pulse to the trigger stages, circuit means for coupling the anodes of each trigger stage to the gate stages for changing the potential of the gate control electrodes when a trigger stage has been actuated, circuit means for coupling the anodes of each gate stage to the control electrode of the corresponding trigger stage in the adjacent order, and control means for applying the shift pulse to all gate stages.

2,585,631

VERNIER MEASURING DEVICE

Joseph W. Crownover, Hartsdale, and Julius Schmidt, Ardsley, N. Y.

Application January 16, 1946, Serial No. 641,570
5 Claims. (Cl. 33—166)



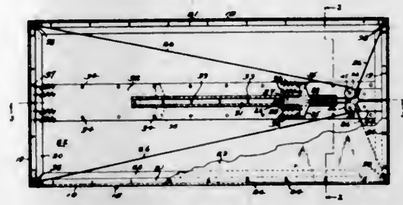
1. A vernier micrometer comprising, in combination, a frame having a trunnion; a sleeve mounted in said trunnion and having an index line and indicia therealong; a spindle threaded in said sleeve and extending through said trunnion; a thimble secured to said spindle and having indicia extending around its circumference and cooperable with said index line; said trunnion having a cutaway portion; a cylindrical scale secured to rotate with said spindle and mounted in such cutaway portion; a series of parallel equi-spaced scale lines extending circumferentially of said scale, the planes of said scale lines being perpendicular to the axis of said scale, and said scale lines dividing the length of said scale into ten equal divisions; a plurality of parallel, equi-spaced division lines extending longitudinally of said scale, intersecting and nonperpendicular to said scale lines and extending at the same small acute angle to a perpendicular to the scale lines, the number of said division lines being equal to the number of indicia on said thimble and said division lines dividing the surface of said scale into equal divisions; the intersection of one end of any division line with the first scale line being connectible to the intersection of the opposite end of the next adjacent division line with the last scale line by a perpendicular to the scale line and a transparent rod secured to said trunnion overlying said scale and parallel to the axis thereof, said rod having a generally segmental cross-section with the arcuate outer surface having a radius of curvature substantially less than that normally corresponding to the segment and the inner edge of the segment being arcuate so that an intersected portion of a division line appears through the rod as an offset S; whereby, as said spindle is rotated, the images of said division line will appear to travel longitudinally of said rod relative to said scale lines so that a vernier reading of said micrometer, with respect to the indicia on said thimble, may be obtained.

2,585,632

BERTH

Roger G. Cudini, Birmingham, Mich., assignor to Moynahan Bronze Company, Detroit, Mich., a corporation of Michigan

Application February 15, 1949, Serial No. 76,509
7 Claims. (Cl. 5—10)
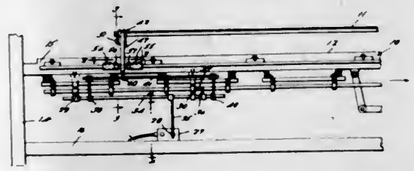


1. A bed structure adapted to be lowered from the ceiling of a bedroom for occupancy comprising a berth pan having a bottom chamber, a plurality of pan suspension cables having their lower ends extending into the pan chamber and their upper ends adapted to be anchored to the bedroom ceiling, slidably mounted anchor means in the pan chamber to which the lower ends of the cables are attached, and spring means in the chamber connected to the pan and the slidably mounted anchor means, said spring means exerting a force upon the slidable anchor means in a direction tending to take up the cables.

2,585,633

SAFETY STOP ATTACHMENT FOR FULL-FASHIONED HOSIERY MACHINES

Troy H. Decker, Hildebran, N. C., assignor of one-half to Alexander B. Vinay, Valdese, N. C.

Application April 22, 1949, Serial No. 88,974
10 Claims. (Cl. 66—157)



1. In a full-fashioned knitting machine having a fixed frame, a pair of parallel, reciprocating bars, independent, in-phase driving means for actuating said reciprocating bars, a main switch for said driving means, a switch-actuating member pivoted on said frame normally urged to switch-closing position, a pair of spaced-apart cam elements on one of said bars, means engageable by said cam elements carried by the other bar and normally disposed between said cam elements for displacement by said cam elements upon out-of-phase movement of said parallel bars and said means being engageable with said switch-actuating member for opening said switch when the bars and driving means become out of phase.

2,585,634

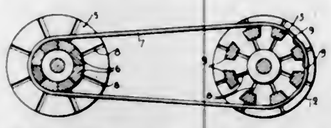
SPEED VARIATOR

Emile Deletaille, Woluwe-St. Pierre, Belgium

Application January 28, 1947, Serial No. 724,812
In Belgium March 18, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 18, 1963
4 Claims. (Cl. 74—230.21)

1. In a variable speed device of the type having a pair of conical discs disposed with their apices

towards each other and mounted on a first shaft for relative movement towards and away from each other axially of the shaft but angularly keyed thereto, a second pair of conical discs similarly disposed mounted and keyed on a second shaft parallel to the first shaft, each disc having grooves in its conical surface extending



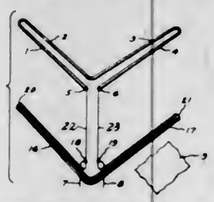
along the generatrices of the conical surfaces, a plurality of bars parallel to the shaft and mounted with their ends slidably retained in the grooves of the discs for radial movement towards and away from the shaft, said bars having an outer circumferential, belt-receiving surface the radius of curvature of which is less than that of a circle formed by the outer surfaces of the bars when in their radially innermost position.

2,585,635
MEANS FOR THE REPAIR OF PUNCTURED TIRES
Harry A. Dibble, New York, N. Y.
Application August 13, 1949, Serial No. 110,073
2 Claims. (Cl. 152—367)



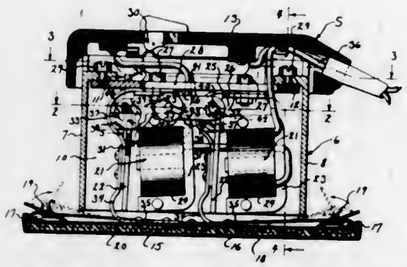
1. Means for the repair of a punctured tire, comprising a mushroom-shaped patch tapered towards its periphery, and a stem integral with said patch, said patch being formed with a deep cavity around said stem, a liquid adhesive agent at the bottom of said cavity, a membrane covering said adhesive agent in an air-tight manner, said membrane being made with a hole therein adapted to receive said stem and form an air-tight junction with the latter, the stem being formed with a tubular opening therein extending downwardly to slightly above the membrane, said stem being provided with a plurality of perforations leading from the outside to the tubular opening.

2,585,636
RECEIVING ANTENNA
Robert B. Dome, Geddes Township, Onondaga County, N. Y., assignor to General Electric Company, a corporation of New York
Application July 3, 1948, Serial No. 36,860
2 Claims. (Cl. 250—33.65)



1. An antenna for operation over a relatively low frequency band and a relatively high frequency band, said high frequency band being approximately three times the frequency of said low frequency band comprising two parallel pairs of angularly disposed closely spaced conductors, said conductors being connected together at their outer extremities, one of the conductors of each of said pairs being conductively connected at their adjacent ends, a reflector comprising two groups of parallel conductors, the conductors of each of said groups being parallel respectively with conductors of one of said pairs of conductors, one conductor of each of said groups having the inner end thereof connected to the adjacent end of the corresponding other conductor of each of said pairs of conductors, corresponding ones of the remaining conductors of said groups being conductively connected at their adjacent ends, all of the conductors of said groups being connected together at their outer ends, the spacing between each of said groups of conductors and a corresponding one of said pairs of conductors being equal to substantially a quarter wavelength at a particular frequency within said low frequency band, the conductors of said groups and of said pairs of conductors all having a length substantially equal to said spacing, the angle between said pairs of conductors and the angle between said groups of conductors each being substantially 108° whereby substantially maximum response is obtained over said high frequency band, and a transmission line connected to the adjacent ends of said one conductors of said groups.

2,585,637
HAND SANDER
Albert J. Dremel, Racine, Wis.
Application December 4, 1947, Serial No. 789,692
6 Claims. (Cl. 51—170)

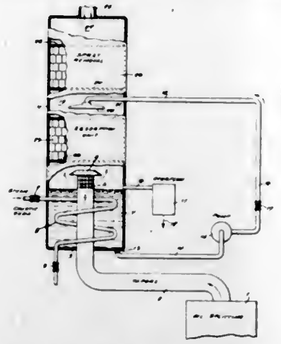


3. A hand sander comprising a casing, a sanding member arranged below said casing, an electro-magnet arranged in the casing, means securing the electro-magnet to the casing, an armature for the electro-magnet and disposed within the field thereof, a leaf spring connecting the armature to the casing, and a leaf spring connecting the first mentioned spring and armature to the sanding member.

2,585,638
APPARATUS FOR RECOVERING VOLATILE MATERIALS
Ernest F. Drew, New York, N. Y., assignor to E. F. Drew & Co., Inc., New York, N. Y., a corporation of Delaware
Original application August 23, 1945, Serial No. 612,275. Divided and this application July 24, 1948, Serial No. 40,504
4 Claims. (Cl. 23—283)

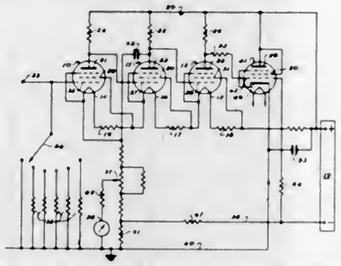
1. An apparatus for treating waste gases and vapors from the hydrolysis of oils and fats comprising a set of three vertically disposed chambers constituting a single tower, perforated plates between said chambers, an inlet pipe for said vapors

extending centrally through the bottom of the lowest chamber and terminating at the top thereof, the top of said pipe having perforations in its sides and a cap on the upper end thereof, a spray head in the top of the intermediate chamber and packing material in the lower part thereof, a pipe connection from said spray head to the bottom of said lowest chamber, an overflow pipe in the upper part of said lowest chamber adapted to draw off liquid from a point just below said per-



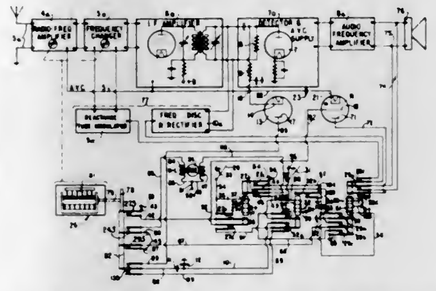
forations, distance between said overflow pipe and the bottom of said lowest chamber adapted to permit a deep body of liquid to be maintained therein, the area of said inlet pipe submerged in said liquid being sufficient to provide material heat exchange with said liquid, a heating coil for maintaining said body at about the boiling point of water surrounding said inlet pipe below said overflow pipe, packing material in the uppermost chamber, and an exit stack centrally of the top of said uppermost chamber.

2,585,639
COMPENSATED ELECTRON DISCHARGE MEASURING DEVICE
William C. Elmore, Springfield Township, Delaware County, Pa., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application January 6, 1949, Serial No. 69,527
3 Claims. (Cl. 171—95)



1. An apparatus for measuring minute unidirectional current comprising in combination a direct coupled amplifier, a current responsive device and a single source of energization potential, said amplifier comprising a plurality of thermionic tubes having filamentary cathodes, said cathodes being serially connected through interposed resistors, the free end of the cathode of the first tube being connected to a unipotential conductor through a network comprising a first fixed resistor, a potentiometer and a second fixed resistor having a tap intermediate its ends, an input signal terminal connected to the grid of the first tube and an input signal terminal connected to the unipotential conductor, the free end of the cathode of the last tube being connected to the positive terminal of the source of energization, and a connection from the second fixed resistor tap to the negative terminal of the source of energization, and means connecting the current responsive device between the unipotential connection and the potentiometer slider, whereby under the condition of no input signal the potentiometer is adjusted so that the current responsive device indicates zero.

2,585,640
RADIO CONTROL SYSTEM
William L. Everitt, Urbana, Ill., assignor to Motorola, Inc., a corporation of Illinois
Continuation of abandoned application Serial No. 418,506, November 10, 1941. This application July 23, 1945, Serial No. 606,656
25 Claims. (Cl. 250—20)



1. In a tuning system for radio apparatus including an automatic volume control circuit, the combination of means for selecting from a group of signals those signals having field strengths each stronger than a predetermined minimum including a control circuit having electrical charge comparing means therein, means electrically connecting said charge comparing means with said automatic volume control circuit, charge receiving means, means for scanning said group of signals and for selectively charging said charge receiving means to a voltage produced in said automatic volume control circuit by the strongest signal of said group and means for applying a predetermined part of the voltage on said charge receiving means to said charge comparing means, said charge comparing means determining the signals developing a voltage in said automatic volume control circuit equal to or greater than said predetermined part of the voltage on said charge receiving means.

2,585,641
FINGER-SUPPORTED TOOL FOR LOCATING AND TURNING SMALL NUTS, BOLTHEADS, ETC.
William J. Faso, Bayside, N. Y., assignor of one-half to Samuel J. Goldstein, Beaver Falls, Pa.
Application July 21, 1945, Serial No. 606,355
11 Claims. (Cl. 81—177)

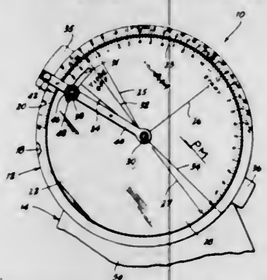
3. A tool for turning or holding a nut or bolt or the like comprising a ferrule form to embrace the end portion of a finger of the hand and open at one end for inserting the finger and open at the opposite end for the finger to protrude sufficiently to permit the finger to feel for the nut or bolt head, and a part extending from said ferrule lengthwise of the finger toward the finger tip at that side of the ferrule adjacent the tactile surface of the finger and formed to engage the

nut or bolt head to provide a wrench operable by the finger of the hand, said part being in offset relation to the exterior surface of the ferrule inwardly toward the finger to position said part



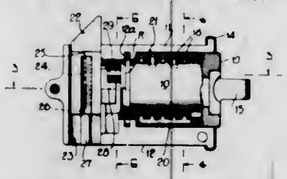
in spaced relation to the solid surface of a member contacted by said exterior surface of said ferrule and which solid surface the nut or bolt head cooperates in fastening relation.

2,585,642
WORKTIME CALCULATOR AND STAND
Louis L. Fattor, St. Louis, Mo.
Application July 18, 1949, Serial No. 105,427
7 Claims. (Cl. 235—83)



1. A calculator, comprising a first disc-like member having a graduated scale on the upper surface thereof adjacent its periphery; a second disc-like member concentric with said first member and having a complementary graduated scale on the upper surface thereof adjacent its periphery; said two members being mounted for relative rotational movement so that a preselected point on the scale of the second disc-like member can be set opposite a preselected point on the scale of the first disc-like member; and a third member disposed on top of the second disc-like member and containing a reference mark adjacent its outer edge for cooperation with the scale on the first member, said third member being movable with the second member and having limited rotational movement relative thereto whereby the time taken off from work can be set off against the time worked.

2,585,643
COMPARTMENT LOCK
Henry J. Feldmann, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application May 23, 1947, Serial No. 749,989
1 Claim. (Cl. 70—81)



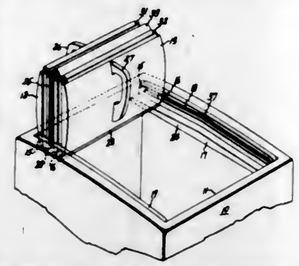
In a lock of the class described, a cylinder, a bolt slidably mounted in a transverse bore at the end of said cylinder, a spring pressing said bolt into a locking position relatively to said cylinder, a key plug rotatably mounted in a bore of said cylinder in communication with said transverse bore, a finger piece on said key plug outside said cylinder whereby said key plug is manually rotatable in said cylinder, spring pressed tumblers mounted in said key plug and adapted to be pressed into a first slot in said cylinder to prevent rotation of said key plug relatively to said cylinder from a first position, said tumblers being adapted to be withdrawn into said key plug by a suitable key inserted into a keyway of said key plug whereby said key plug is released for rotation relatively to said cylinder to a second position, the removal of said key from the keyway when said key plug is in said second position then effecting the projection of said tumblers into a second slot of said cylinder, a part at the inner end of said key plug spaced from said bolt when said key plug is in said first position and moving into juxtaposed relation to a part of said bolt when said key plug is moved into said second position, said second slot being of sufficient size to allow rotation of the key plug and tumblers from said second position by said finger piece and without retraction of said tumblers, and said key plug part having camming relationship with said bolt part within said key plug bore during said rotation of the key plug from said second position for retracting said spring pressed bolt against the resistance of said spring.

2,585,644
PROCESS FOR PRODUCING FLUOROCARBONS
Robert D. Fowler, William B. Burford, III, and Harry C. Anderson, Baltimore, Md., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application November 25, 1946, Serial No. 712,038
6 Claims. (Cl. 260—653)

1. A process for substantially completely replacing with fluorine the hydrogen atoms of a petroleum lubricating oil consisting of hydrocarbons having from about 17 to about 23 carbon atoms per molecule and having a boiling range between about 250° C. and about 400° C. with a relatively low production of scission and fluorinolysis products which comprises heating said petroleum lubricating oil with bismuth pentafluoride as the sole fluorinating agent in a temperature range running from 90° C. to 450° C., and then separating the hydrogen fluoride produced from the substantially completely fluorinated lubricating oil.

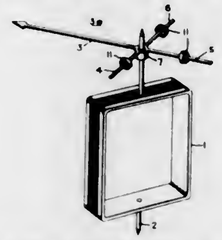
2,585,645
FOLDING LID FOR OPEN TOPPED CABINETS
Byron E. Freitag, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application January 7, 1950, Serial No. 137,332
1 Claim. (Cl. 160—206)

A thermally insulated cabinet having a substantially rectangular top opening, a closure assembly for said opening having its upper surface substantially flush with that of said cabinet and comprising a pair of substantially rectangular lids hinged together along adjacent edges to afford swinging movement of the lower faces of the lids toward one another, means including guide tracks of channel-shaped cross section secured to said cabinet within said opening and along two sides thereof and opening toward said lids on either side of said opening for supporting said lids on said cabinet, and mounting elements on said lids on fixed parallel axes near the outer edges thereof remote from said hinged edges and resting within said tracks for affording movement of said lids from a closing position to a folded position, said elements being retained in said tracks throughout movement of said lids and constraining said ends of said lids to move on said



axes along said guides in alignment therewith, said lids in their folded position being freely movable along said guides, said guide tracks sloping upwardly from both ends toward the center whereby the hinged edges of said lids may be lifted and the lids moved together to a folded position at either end of said opening whereupon the force of gravity will tend to hold said lids in their folded position.

2,585,646
SELF-LOCKING COUNTERWEIGHT
Enoch M. Frye, Melrose, Mass., assignor to General Electric Company, a corporation of New York
Application May 26, 1950, Serial No. 164,517
4 Claims. (Cl. 116—136.5)



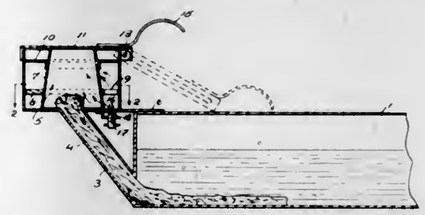
1. A balancing weight for instrument cross arms and the like comprising, a cylindrical metal collar filled with neoprene, said neoprene having a central axial opening to provide for tight fitting adjustable installation of said collar on the instrument cross arms.

2,585,647
STAMP PAD
Paul Gordon, Chicago, Ill.
Application October 10, 1947, Serial No. 779,053
12 Claims. (Cl. 118—265)



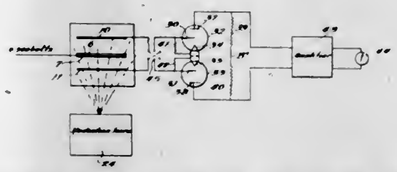
12. In a stamp pad, a base having an upstanding lateral wall and a bottom wall defining therewith a pad-receiving recess, said bottom wall having thereon upwardly facing spaced surface areas with intervening liquid reservoir spaces, said surface areas lying in substantially the same plane, a pad member formed from sponge material and having a liquid tight skin on the under face thereof, said pad member being disposed in said recess with said liquid tight skin resting on said surface areas and being secured at its lateral edges to said upstanding lateral wall to form a liquid-tight seal with said wall about said edges, and said pad member having a plurality of spaced self-closing slits extending completely therethrough and positioned so that at least certain of such slits are disposed above said spaces.

2,585,648
RAIL TRACK HEATER
Walter H. Greenfield, Philadelphia, Pa.
Application November 2, 1948, Serial No. 57,871
2 Claims. (Cl. 158—94)



1. In a rail track heater, a burner casing having in its bottom a wick receiving opening and air intake openings, a wick in the wick receiving opening, a fuel supply for the wick, a lower baffle within the casing above the intake openings comprising a transversely extending flat plate having a clearance with the inner surface of the casing wall and having a central opening axially aligned with the opening receiving the wick, an upper baffle comprising a transversely extending flat plate having a close fit in the upper portion of the casing and having a central opening axially aligned with said lower baffle opening and said bottom wick receiving opening, and pervious wall means having clearance with the inner surface of the casing wall and forming a combustion chamber registering with the openings in the baffles.

2,585,649
REACTION COMPARISON APPARATUS
Alfred O. Hanson, Grand Forks, N. Dak., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application July 3, 1945, Serial No. 603,087
6 Claims. (Cl. 250—83.6)



4. Apparatus for comparing the nuclear reactions of a plurality of radioactive samples, comprising an ionization chamber, support means mounted within the chamber to separate said chamber into a plurality of portions and to support the samples with a single sample supported

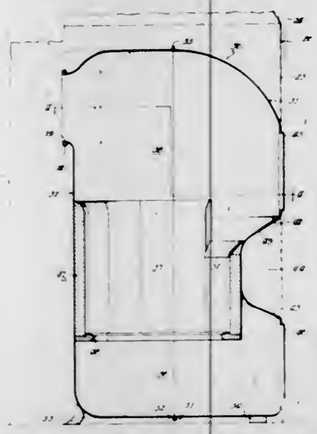
in each portion of the chamber contiguous to the sample in an adjacent portion of the chamber, at least one collecting electrode positioned within each portion of the chamber, said electrode being mounted in confronting relationship with the sample support means, and means for applying an electrical potential between the sample support means and each collecting electrode.

2,585,650

SECTIONAL DRAWN SHEET METAL BODY FOR AIR-HEATING FURNACES

Cleo Harris, Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application September 11, 1946, Serial No. 696,242
11 Claims. (Cl. 126—99)



4. A furnace body adapted for arrangement within an outer casing, said body comprising hollow front and back sections formed from sheet metal, both of said sections being approximately semi-cylindrical in cross-section, and the sections being united along a common margin to define an ash-pit, a fire-pot, and a combustion chamber in superposed relation; spaced apertured pouches formed integrally in said front section and projecting radially outward therefrom; and integral flanges surrounding the pouch apertures and defining seat frames for door members adapted to be hinged adjacent said apertures.

2,585,651

MODIFIED STARCH PRODUCT

Walter H. Hart, Winnetka, Ill.

No Drawing. Application March 2, 1949, Serial No. 79,321
8 Claims. (Cl. 127—33)

1. The solid product consisting essentially of an intimate mixture of a starch containing flour having a starch content not substantially in excess of 80% by weight and 0.1 to 2% by weight of said flour of aluminum chloride, said mixture being obtained by mixing the said flour with said aluminum chloride in the solid state under conditions facilitating the generation of heat and loss of moisture, the reducing sugars content of the resultant product being substantially higher than that of the untreated flour, the product having a viscosity when dispersed in water at 20° C. substantially higher than that of the untreated flour and the product having a viscosity when cooked with water substantially lower than that of the untreated flour.

2,585,652

ANION EXCHANGE RESINS AND METHOD OF TREATING MINERAL OILS

Howard D. Hartough, Pitman, Philip D. Caesar, Wenonah, and Sigmund J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application February 8, 1947, Serial No. 727,300
11 Claims. (Cl. 196—23)

1. A method of preparing anion-exchange material which comprises establishing an aqueous solution of the hydrochloride nitrogenous condensation material having a thiophene nucleus, adding an amount of alkali metal hydroxide to said aqueous solution sufficient to convert said hydrochloride to the free base thereby converting the soluble hydrochloride to the water-insoluble free base, separating said free base from said aqueous solution, water-washing said separated free base and heat-converting said washed condensation material to resinous material substantially insoluble in oil, having a molecular weight of at least 500 and having anion-exchange capabilities, said sub-resinous material in the hydrochloride form having been prepared by reacting thiophene, formaldehyde and a nitrogen-containing compound selected from the group consisting of ammonia, urea and ethylene diamine in the presence of an amount of hydrogen chloride stoichiometrically equivalent to said nitrogen-containing compound.

10. A method of treating a fraction of mineral oil containing acidic constituents resulting from a refining operation which comprises contacting a fraction of mineral oil containing acidic constituents resulting from a refining operation with anion-exchange material, and separating the so-treated fraction of mineral oil from the aforesaid anion-exchange material, said anion-exchange material having been obtained by reacting thiophene with one of the group consisting of hexamethylenetetramine and a combination of (1) at least one of the group consisting of formaldehyde and reversible polymers of formaldehyde and (2) at least one nitrogen-containing compound selected from the group urea, ammonia and ethylene diamine in the presence of an amount of hydrogen halide, the stoichiometric equivalent of said nitrogen compound, recovering a resinous anion-exchange material, and converting said anion-exchange material into substantially oil-insoluble anion-exchange material.

2,585,653

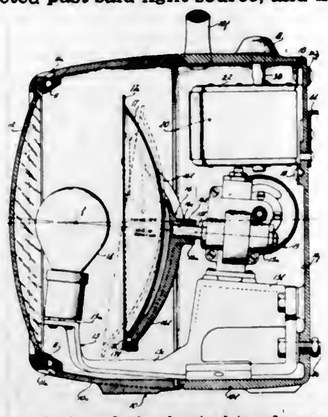
MOUNTING STRUCTURE FOR WARNING AND SIGNALING ILLUMINATION APPARATUS

Arthur C. Heehler, Chicago, Ill., assignor to The Pyle National Company, Chicago, Ill., a corporation of New Jersey

Application April 14, 1948, Serial No. 20,958
3 Claims. (Cl. 240—48)

1. In a warning light, the improvement of a sub-assembly adapted to be inserted in the casing structure of an oscillating warning light comprising, a unitary bracket having spaced front and rear pedestal portions, a light source on said front pedestal portion, a motor mounted on said rear pedestal portion and having an output shaft extending toward said front pedestal portion, a reflector secured on said output shaft of said motor in beam projecting relationship with the light source, the axis of said reflector being angularly disposed relative to the axis of rotation of said

output shaft, whereby a moving pattern of light is reflected past said light source, and means pro-



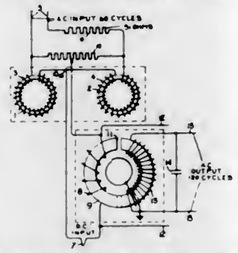
vided on said bracket adapted to place said bracket in firm assembly with a lighting fixture casing.

2,585,654

SATURABLE CORE DIRECT CURRENT TO ALTERNATING CURRENT CONVERTER

Clarence W. Hewlett, Jr., New York, N. Y., assignor to General Electric Company, a corporation of New York

Application December 3, 1948, Serial No. 63,288
1 Claim. (Cl. 332—51)



A saturable core alternating-current to direct-current converter comprising a pair of similar ring-shaped cores of high permeability material, terminals connecting said coils in series to an alternating current source, a reactor, connections and terminals connecting said reactor in series and said coils in parallel to a direct current source to be converted, said reactor having a ring-shaped core made up of two C-shaped portions of high permeability magnetic material and a nonmagnetic spacer separating said portions and with the openings in the C-shaped portions disposed 180 degrees apart, a secondary transformer winding on said reactor core, a filter connected to filter the output voltage of said transformer and output terminals therefor, and a metallic container having a diameter of 1¼ inches and a length of about 3½ inches enclosing and shielding all of the above-mentioned converter parts, said container having plug terminal connectors for all of said converter terminals.

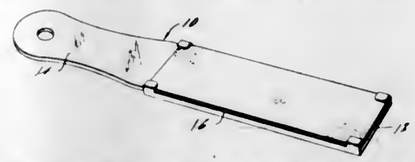
2,585,655

SANDPAPER HOLDER

George M. Ingram, Grosse Pointe, Mich.

Application May 18, 1950, Serial No. 162,715
3 Claims. (Cl. 120—89)

1. A sandpaper holder for holding a plurality of sheets of sandpaper, comprising: a backup plate having a portion shaped to support said sheets of sandpaper; a handle member secured to said backup plate; a tray having a portion disposed below said backup plate and keeper elements extending to a point above and in overlying relation to the upper surface of said backup plate, with at least one end of said tray being



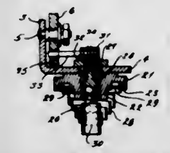
open to allow sliding of a plurality of sheets of sandpaper between said upper surface of said plate and said keeper elements; and resilient means between said backup plate and the portion of said tray underlying said backup plate for urging said backup plate toward said keeper elements to grip said sandpaper between said keeper elements and backup plate.

2,585,656

THERMOSTATIC HEAT AND FIRE CONTROL

William Kagan, University City, Mo.

Application November 27, 1950, Serial No. 197,785
1 Claim. (Cl. 297—16)



In a safety control device of the character described, a thermostat comprising, a supporting disc having a hub portion and an annular peripheral flange, said hub-portion having a threaded bore, a clamping stud threaded to fit said bore and having a head engageable with a support to secure said disc thereto, said stud having an axial bore, a shaft journaled in said bore of said stud and having a threaded portion, a spirally-arranged thermostatic element having its outer portion seated in said flange and secured thereto and its inner portion operatively engaging said shaft to rotate the latter in accordance with variations in temperature, a head having a shank journaled in said bore of said stud and an internal thread receiving the threaded portion of said shaft, and a locking screw in said internal thread engageable with said shaft to lock said head in any angular position relative to said shaft.

2,585,657

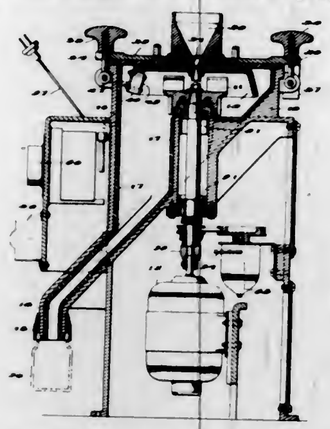
SHOT TESTING

Walter L. Keefer, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland

Application December 11, 1947, Serial No. 791,135
5 Claims. (Cl. 73—12)

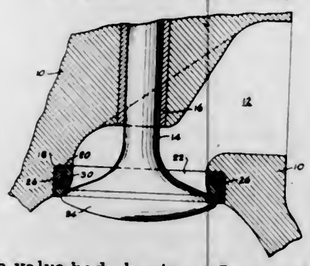
1. A shot tester comprising a casing, a centrifugal projector mounted within the casing to rotate about a vertical axis and discharge material projected thereby in a horizontal plane, said casing having a hinged cover overlying said projector, a hopper having a delivery outlet extending through said cover and delivering centrally to said projector, a ring-like anvil carried by said cover and extending around said projector, said

anvil having walls inclined downwardly and outwardly with respect to the plane of projection of



said projector, and means for rotating said projector.

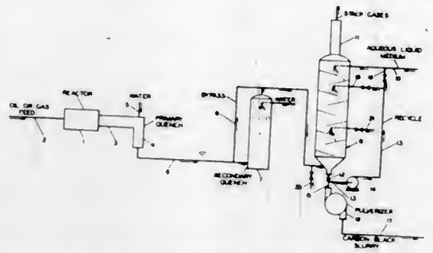
2,585,658
VALVE SEAT INSERT
George H. Keller, Radburn, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application July 11, 1947, Serial No. 760,443
9 Claims. (Cl. 251—167)



1. In a valve body having a fluid passage therein, an annular valve seat assembly secured to said body within said fluid passage, said assembly comprising a valve seat ring, and a retainer ring having a shrink fit with the wall of said passage for supporting said valve seat ring in said valve body, one of said rings having an annular groove which is formed by two annular axially-spaced side walls interconnected by an annular bottom wall and within which the other ring extends radially in engagement with said side walls but in radially-spaced relation with said bottom wall, said annular groove side walls each being flat and lying in a plane perpendicular to the axis of said one ring and having a sufficiently tight fit with the engaging surface of said other ring to prevent gas leakage therebetween without preventing radial movement of the valve seat ring relative to said retainer ring and valve body.

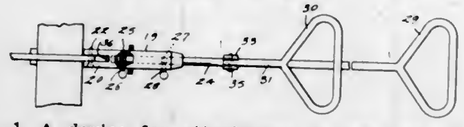
2,585,659
RECOVERY OF CARBON BLACK FROM SUSPENSION IN A GAS
Myron O. Kilpatrick, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 25, 1946, Serial No. 656,964
24 Claims. (Cl. 23—209.8)

1. The process of recovering carbon black from suspension in a gas which comprises intimately scrubbing said gas containing carbon black in suspension with an aqueous liquid medium containing an added wetting agent and thereby causing the carbon black particles to leave said gas and become suspended in said aqueous liquid medium and form a liquid aqueous carbon black slurry, withdrawing the resulting liquid slurry from the scrubbing zone, splitting the withdrawn



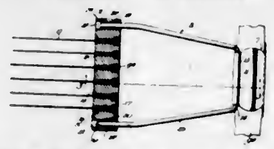
slurry into two streams, recycling one of said streams to said scrubbing step without the removal of the major portion of the carbon black from said slurry to cause the concentration of carbon black in the recycled slurry to attain a level of from 10 to 25 per cent by weight, and withdrawing the other of said streams from the system as the product of the process.

2,585,660
PATIENT'S BEDEASE
Otto B. Kjos and Henry A. Korda, Pelican Rapids, Minn.
Application January 31, 1949, Serial No. 73,746
3 Claims. (Cl. 5—317)



1. A device for attachment to the foot of a bed to aid a reclining person to sit up comprising a C-clamp having a straight back portion and adapted to be clamped over the upper rail of the foot of the bed, an elongated rod, a hand grasp carried by one end of said rod, and a transverse member carried by an end opposite from said one end of the rod and engaging with said straight back portion for pivotally securing the other end of said rod to the back of the clamp.

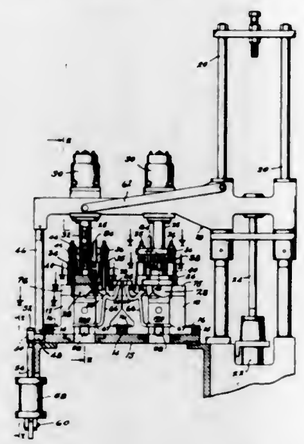
2,585,661
TAILPIECE FOR STRINGED MUSICAL INSTRUMENTS
John E. Kluson, Chicago, Ill., assignor to Kluson Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 26, 1949, Serial No. 123,723
1 Claim. (Cl. 84—299)



As a new article of manufacture, a tailpiece designed for use on a stringed musical instrument of the type that embodies a body and neck with a plurality of laterally spaced strings extending lengthwise over the body and neck and

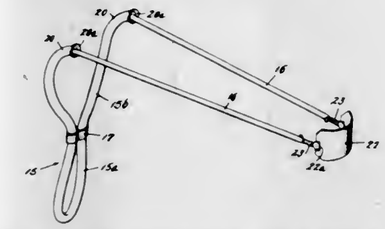
having the ends thereof that are adjacent the body connected to the central portions of elongated transversely extending substantially cylindrical spools with outwardly tapered ends, said tailpiece comprising a bracket provided with means for attachment to the lower end of the body and an elongated crossbar connected to the bracket so that when the tailpiece is in place on the instrument it overlies, and extends transversely of, the body, and having formed therein a plurality of laterally spaced open ended but closed sided cylindrical holes extending longitudinally of the body, corresponding in number to the strings, adapted respectively to have threaded therethrough said ends of the strings, and provided at the ends thereof that are remote from the instrument neck with enlarged cylindrical concentrically arranged sockets for seating and completely housing said spools, the inner ends of the sockets being tapered in the direction of the neck of the instrument in order that when the strings are placed under tension the portions of the crossbar that define said inner ends of the sockets coact with the tapered ends of the spools to center the spools with respect to said sockets and also center the strings within their respective holes in the crossbar.

2,585,662
CASTING EQUIPMENT
George C. Kohl, University Heights, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 17, 1948, Serial No. 65,770
2 Claims. (Cl. 22—94)



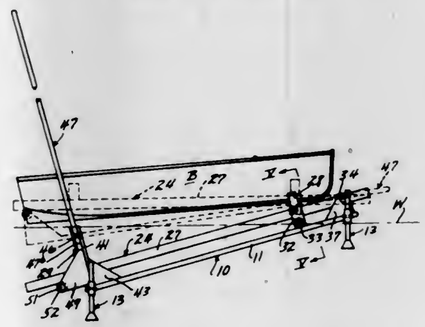
1. A casting mechanism comprising a mold provided with a cavity partially defining both the exterior surface of a finished casting and a riser attached thereto, a plug member reciprocally supported above said mold in alignment with said cavity, said plug member being reciprocable into said cavity to a position therein to further define the exterior surface of the finished casting and a wall of the riser, said riser wall defining surface of the plug member being tapered toward the finished casting and in frictional engagement with said riser on solidification of casting material within the cavity, and ejector member mounted on said plug member and extending through the same into contact with the finished casting, a lost-motion connection between the ejector and plug members, means for reciprocating the plug member, ejector and frictionally engaged riser and attached finished casting upwardly away from said mold, and means for reciprocating the ejector member relative to said plug member to release frictional engagement of the riser and eject a finished casting and attached riser.

2,585,663
SLINGSHOT
Richard Laubly, Westport, Conn.
Application April 13, 1948, Serial No. 20,725
6 Claims. (Cl. 124—20)



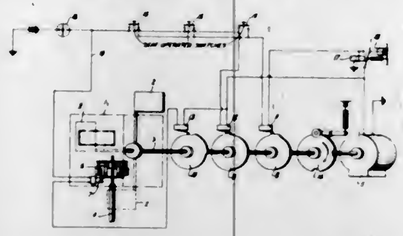
1. A slingshot assemblage comprising a handle element including a crotch formed by a pair of arms, a pouch, and an elastic zone formation connecting the pouch and the arms and with said zone formation presenting elastic flights symmetrically disposed on opposite sides of and spaced from a missile line of flight extending through a mid-zone of the crotch, the handle element being a rigid structure and presenting a hollow smoothly curved channel therethrough between the ends of the arms and internally of the handle element and within which the elastic zone formation flights extend a substantial distance.

2,585,664
BOAT LIFT
Ernest D. Le May, Birmingham, Ala., and Eugene K. White, Owensboro, Ky.
Application September 20, 1947, Serial No. 775,352
1 Claim. (Cl. 254—50)



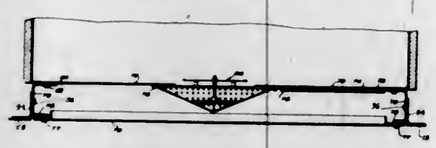
In a boat lift, a supporting frame, a boat frame pivotally mounted at one end to the supporting frame, a U-shaped handle of a width to straddle a boat on said boat frame and of a length to extend past an end of a boat on said boat frame and having its legs pivoted to the supporting frame adjacent the free end of the boat frame, the ends of the legs projecting past the pivot points thereof, and a roller carried in the projecting ends of the legs and supporting the free end of the boat frame.

2,585,665
CONTROL SYSTEM FOR TAXICAB METERS
Earl E. Libman, Brooklyn, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 17, 1951, Serial No. 206,481
5 Claims. (Cl. 177—311)



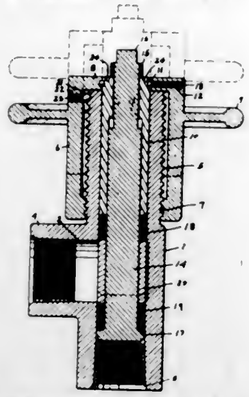
1. In a control system for taxicab meters, the combination with a meter and a signal therefor having non-occupancy, occupancy and passenger-discharge indicating positions; of a drive for said signal, circuit means including a pressure actuated passenger controlled switch for operating said drive to alter the position of said signal to occupancy position, a second switch for operating said drive adapted to be actuated by the movement of the vehicle to again alter the position of said signal to non-occupancy position subsequent to the discharge of a passenger.

2,585,666
DISTRIBUTION UNIT FOR VENTILATING SYSTEMS
Thomas E. McDowell, Chicago, Ill., assignor to The Pyle-National Company, Chicago, Ill., a corporation of New Jersey
Application October 30, 1948, Serial No. 57,469
1 Claim. (Cl. 98—40)



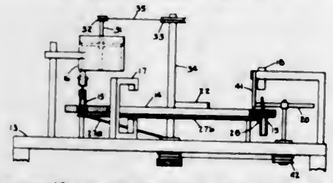
In a ventilating system for a compartment having a roof, ceiling panels defining a generally rectangular opening to the roof, and support brackets secured to said ceiling panels, an integral air duct having a top wall and side walls defining an open-bottomed plenum chamber, said duct adapted to be dependently carried by the roof in vertically spaced relation to said ceiling panels and dimensioned to register vertically with said panel opening, bottom plates extending inwardly from the lower edges of the duct side walls without meeting to define an outlet, valve means for throttling air flow through said outlet detachably secured to the underside of said bottom plates across said outlet to be removable as a unit from said outlet, channel members detachably hung from each of said bottom plates and detachably secured to the support brackets of the respective subjacent ceiling panels, and an air distribution panel detachably secured to said channel members for support at a height even with said ceiling panels, said air distribution panel substantially closing off said panel opening beneath said bottom plates to define with said plates and said channel members an accessible secondary plenum chamber for receiving throttled air from said duct prior to its distribution into the compartment.

2,585,667
VALVE ASSEMBLY
Horace C. Meador, Houston, Tex., assignor to South Houston Machine Company, South Houston, Tex., a corporation of Texas
Application November 29, 1946, Serial No. 712,798
4 Claims. (Cl. 251—77)



1. A valve assembly comprising, a cylindrical valve casing having an inlet port and an outlet port, a valve movable in the casing into one position to close said ports and into another position to open said ports, valve operating means for manually moving said valve into either of said positions said means including a hood threaded on the valve casing and having an inwardly thickened portion, and bearing means rotatably carried by the casing and rotatively engageable with the inside of said hood, said bearing means being engageable with said thickened portion to limit outward movement of the valve operating means, said valve including a valve body having a shoulder at one end, a sealing assembly around the body abutting said shoulder and including annular seals around the body and a spacer around the body between said seals and a retainer sleeve around and having a threaded connection with the valve body and abutting the sealing assembly and having a rotatable connection with said valve moving means.

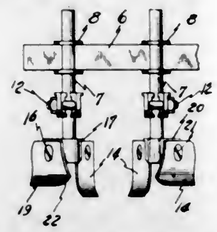
2,585,668
MAGNETIC HARDNESS TESTING AND SORTING
William H. Meiklejohn, Lynnfield Center, Mass., assignor to General Electric Company, a corporation of New York
Application April 12, 1946, Serial No. 661,685
3 Claims. (Cl. 209—72)



1. The method of testing an elongated article for hardness, such article being made of magnetic material which is capable of retaining a substantial amount of residual magnetism comprising subjecting said article to a predetermined unidirectional magnetizing force in the direction of its longitudinal axis, supporting said article as thus magnetized in a predetermined unidirectional magnetic field of lesser magnetizing force in

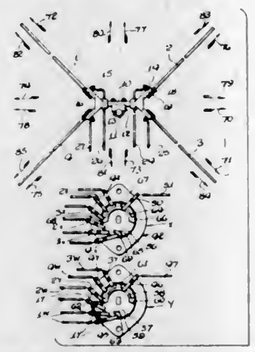
a slightly inclined position on one end such that the force of gravity acting thereon tends to tip the article over and the magnetic forces acting thereon tend to prevent such tipping action and classifying the article in accordance with the movement behavior of the article when thus acted upon by such opposing forces.

2,585,669
CULTIVATOR ATTACHMENT
Lee A. Metcalf, Fairgrove, Mich.
Application August 11, 1948, Serial No. 43,672
2 Claims. (Cl. 97—56)



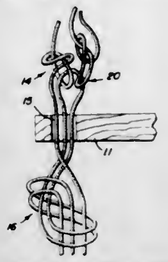
2. An agricultural attachment adapted to be mounted on the beam of a cultivator for smoothing and shifting the soil comprising, a pair of vertically disposed, transversely spaced shank members, rearwardly and downwardly extending blade supports mounted for vertical and horizontal adjustment on said shank members, front blades mounted on said shank and rear blades mounted on said blade supports and spaced rearwardly from the front blades with the cutting edge of the front blades spaced a predetermined distance above the cutting edge of the rear companion blades, each of said blades being formed with an upwardly curved nose portion on the front edge thereof for riding on and breaking the crust on the ground as the device is operated said blades being mounted for individual adjustment about independent axes.

2,585,670
TELEVISION AND HIGH-FREQUENCY ANTENNA SYSTEMS
Marvin P. Middlemark, Woodside, N. Y.
Application October 19, 1951, Serial No. 252,031
8 Claims. (Cl. 250—33.51)



1. A television antenna system comprising a pair of crossed dipoles each having two inner terminal ends and each comprising two dipole rods, wires extending from the four terminal ends, a switch to which said wires are connected, a manually operated selector member on said switch, a pair of output terminals on said selector member, and means controlled by operation of said selector member for electrically connecting any two of said dipole rods to said output terminals, and for simultaneously shorting the two remaining dipole rods when two adjacent dipole rods are electrically connected to said output terminals.

2,585,671
FLEXIBLE LADDER
Rosaria Forlano Morcaldi D', East Boston, Mass.
Application March 29, 1948, Serial No. 17,696
2 Claims. (Cl. 228—40)

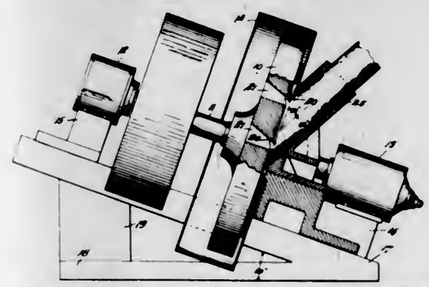


1. In a safety ladder stile including a vertical rung supporting portion, said vertical portion being formed from a single length of rope having first and second ends, the first end of said rope being tied to an intermediate portion of said rope to form a closed elongated loop, said loop being knotted intermediate its ends, the second end of said rope extending upwardly through said knot and being gripped by the knot, said rope having a pair of spaced knots engaged with said loop with the portion of the rope between the two knots forming an additional loop.

2,585,672
PLASTIC COMPOSITIONS OF ACRYLONITRILE POLYMERS
Pierre Mosse, Lyon, France, assignor to Societe Rhodiaceta, Paris, France
No Drawing. Application February 17, 1951, Serial No. 211,569. In France October 31, 1950
2 Claims. (Cl. 260—32.6)

1. A new composition comprising a polymer of acrylonitrile dissolved in a solvent consisting of 99 to 80% of dimethyl formamide and 1 to 20% of cyclohexanol based on the total weight of the solvent.

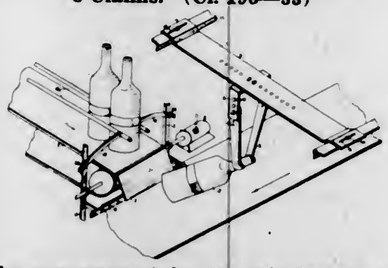
2,585,673
DISK CHIPPER WITH HORIZONTALLY INCLINED ROTARY AXES
Peter N. Ottersland, Watertown, N. Y.
Application September 20, 1949, Serial No. 116,795
3 Claims. (Cl. 241—92)



2. A chipper for chipping logs comprising a shaft, bearings for the shaft, a chipper disk

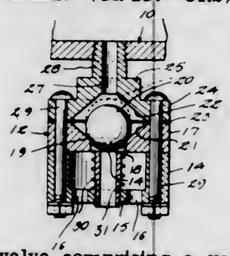
mounted on and disposed at right angles to the shaft, a gravity feed chute inclined at an acute angle to the disk, and means for supporting the disk shaft with the axis of the shaft inclined at an acute angle to the horizontal and the chipper disk facing downwardly and the feed chute inclined to the horizontal at about 50° or less, whereby the gravity component on the log is increased in the direction of the bottom of the chute to maintain the bottom contact between the log and the chute throughout the length of the logs.

2,585,674
ARTICLE TRANSFER ARRANGEMENT
Lloyd Jones Owen, Concord, near Sydney, New South Wales, Australia, assignor to Communication Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia, a corporation of Australia
Application January 21, 1950, Serial No. 139,869
In Australia February 4, 1949
8 Claims. (Cl. 198—33)



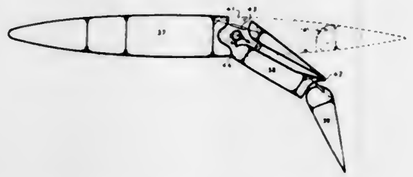
3. An arrangement for the transfer of articles from a first conveying means on which said articles are carried in an upright position to a second conveying means upon which they topple to be carried in a lying position, comprising supporting means extending over said second conveying means and a sling-shaped flexible member secured to said supporting means, said sling-shaped flexible member being so positioned that the opening thereof is in substantial alignment with the articles carried by said first conveying means and the lowest point thereof lies within the sector described by each toppling article but outside the arc described by the centre of gravity of said toppling article, so that the tops of said articles are caught by said sling-shaped flexible member as they topple and are temporarily supported thereby while the bases of said articles move under the influence of said second conveying means.

2,585,675
DRAIN VALVE
Kirtley Parker, Panama City, Fla.
Application May 18, 1950, Serial No. 162,630
2 Claims. (Cl. 137—34.2)



1. A drain valve comprising a valve housing formed of a cylindrical side wall, a bottom wall integral with said side wall and formed with at least one drain opening, an intermediate wall engaging the upper end of said side wall, said intermediate wall having a central port and a flared depression at the upper end of said port, a valve seat formed about said port, a top wall engaging against said intermediate wall, said top wall having an upwardly offset recess confronting said depression and forming with the latter a valve chamber, bolts extending through said side, intermediate, and top walls detachably securing said walls together, a ball valve in said chamber engageable on said seat, a nipple extending upwardly from said top wall and communicating with said chamber, and a spring bearing at one end against said bottom wall and at the other end against said ball valve for normally holding said valve in open position.

2,585,676
AIRCRAFT WING AND FLAP WITH BOUNDARY LAYER CONTROL
Philippe Poisson-Quinton, Paris, France
Application July 29, 1948, Serial No. 41,213
In France July 31, 1947
7 Claims. (Cl. 244—40)

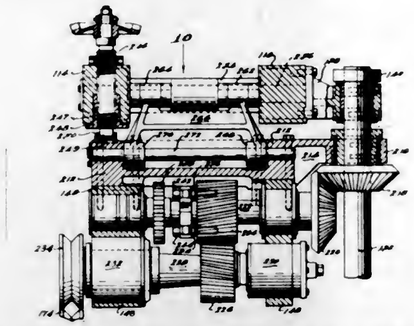


1. In an aircraft wing comprising a main body and pivotal leading and trailing sections whereby the camber of the wing can be varied, the upper surfaces of said sections defining with the upper surface of said main body at least one air suction slot which is variable as the corresponding section is moved to vary the camber of the wing, an air blowing slot formed at the upper rear portion of a trailing section, a spanwise directed pipe below the air suction slot defined by said main body and said trailing section, a plurality of rearwardly directed air induction blast nozzles disposed along the length of said pipe, a chamber formed within said trailing section and establishing communication between said suction and blowing slots, and means for supplying a fluid under pressure to said pipe and thereby producing an aspirating effect by said nozzles for causing a sheet of air to be drawn in through said suction slot and discharged through said blowing slot.

2,585,677
ROLL FORGING MACHINE
John E. Preston, Pittsburgh, Pa., assignor to Crucible Steel Company of America, Midland, Pa., a corporation of New Jersey
Application January 15, 1945, Serial No. 572,927
6 Claims. (Cl. 80—56)

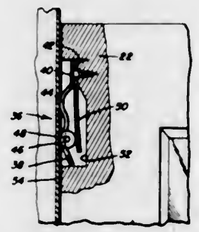
1. In a roll stand, a frame having a pair of spaced guides, independent bearing blocks slidable, one in each of said guides, a roll shaft journaled in said blocks, an adjustable hold-down acting between said frame and one of said blocks for positioning said roll shaft, a rigid link having one end pivoted on said frame, a second rigid link having one end pivoted to both of said

blocks, the respective other ends of both of said links being pivoted to each other, and all of said link pivots being parallel to each other whereby



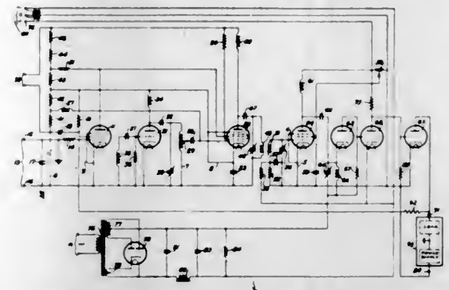
the axis of said shaft is maintained parallel to the axis of said first-mentioned link pivotal connection upon adjustment of said hold-down.

2,585,678
WINDOW
John H. Preston, Brooklyn, N. Y.
Application August 8, 1947, Serial No. 767,501
2 Claims. (Cl. 20—52)



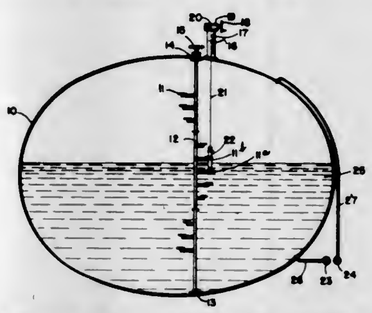
1. A sliding sash embodying a frame having a rail provided with a recess, a substantially flat spring located in said recess, a second companion spring also located in said recess and having one end superimposed upon a corresponding end of said first named spring, common fastening means securing said springs together and anchoring same on said rail, the opposite ends of said springs being freely flexible and spaced apart, said second named spring being longitudinally undulated and having a central elongated roller accommodating slot, said second spring constituting a friction retaining member which is adapted to frictionally bind against a relatively fixed window frame member and said undulations functioning as tension varying cams, and a variable tension-regulating roller interposed between the free end portions of said springs, said roller being situated in part in said slot and traversing the tortuous path formed by said undulations between both springs, and said roller having oppositely disposed axial pintles in rollable pressure exerting contact with said cams and serving to vary the pressure of said second named spring against said window frame member, the free end of said first named spring having constant contact with the periphery of said roller and serving to press the latter, by way of said slot, into constant rolling contact with said frame member and also serving to maintain said pintles in constant rolling but variable tensioning contact with said cams.

2,585,679
HIGH-VOLTAGE REGULATOR
John Priedigkeit, Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application January 12, 1948, Serial No. 1,709
4 Claims. (Cl. 323—22)



1. In a regulating circuit, the combination comprising a regulator tube in series with a device to be regulated, a direct current amplifier having an input and an output, a power supply source of unidirectional voltage connected to said amplifier input for establishing a predetermined output voltage, an oscillator for developing a high frequency voltage, means for controlling the amplitude of said high frequency voltage with said amplifier output voltage, a radio frequency amplifier having an input and an output, inductive transfer means connected between said controlling means and said radiofrequency amplifier input for establishing a predetermined output voltage, rectifier means connected to said radiofrequency amplifier output for converting said output voltage into a unidirectional voltage, means connected between said rectifier and regulator tube for establishing a predetermined positive bias for said regulator tube, and voltage divider means connected in parallel with said device to be regulated, a portion of said voltage divider being connected in said direct current amplifier input circuit.

2,585,680
LIQUID LEVEL GAUGE FOR PRESSURE TANKS
Harold A. Quist, Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application October 28, 1947, Serial No. 782,533
8 Claims. (Cl. 73—290)



1. A device for measuring the liquid contents of a closed pressure vessel comprising a rod vertically and rotatably mounted in said pressure vessel through the top thereof, a stuffing box closing said tank about the upper end of said

rod, a plurality of angularly spaced platforms vertically arranged at predetermined elevations on said rod, a selecting arm attached to the upper end of said rod exterior said pressure vessel, a reading chamber adjacent said rod and vertically aligned with a selected one of said angularly spaced platforms, a liquid sample tube adapted to retain a column of liquid and graduated to indicate the depth of said liquid column, a flexible line attaching said sample tube to said reading chamber and a hand operated reel adapted to raise and lower said liquid sample tube depending from said flexible line.

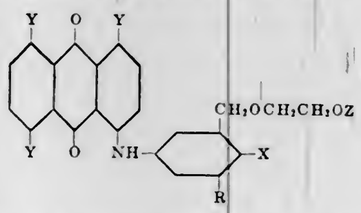
2,585,681

ANTIGAS FADING ANTHRAQUINONE DYES

David I. Randall, Easton, Pa., and Edgar E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 10, 1949, Serial No. 132,391
6 Claims. (Cl. 260—378)

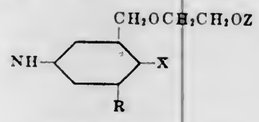
1. Dyestuffs of the general formula:



wherein X is selected from the group consisting of hydrogen and methyl, R is selected from the group consisting of hydrogen and

$$CH_2OCH_2CH_2OZ$$

Z is selected from the group consisting of hydrogen, hydroxy alkyl and alkoxy alkyl, and Y is selected from the group consisting of hydrogen, hydroxy and



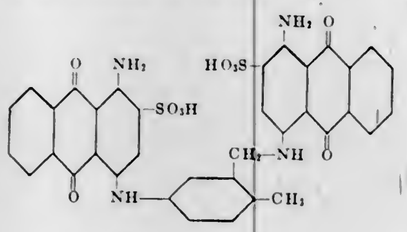
2,585,682

ANTHRAQUINONE DYESTUFF FOR WOOL

David I. Randall, Easton, Pa., and Edgar E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 10, 1949, Serial No. 132,395
2 Claims. (Cl. 260—367)

1. A new dyestuff of the formula:

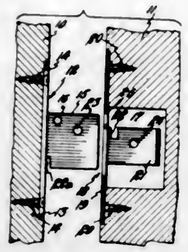


2,585,683

DETACHABLE LOCKING DEVICE FOR FURNITURE ELEMENTS

Mercur Mahlon Richardson, East Northport, N. Y.

Application February 15, 1949, Serial No. 76,605
1 Claim. (Cl. 20—92.7)



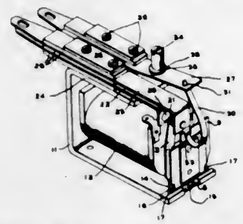
A detachable locking device comprising a relatively flat base member adapted to be secured to the surface of one element and provided with a relatively flat projecting tongue, a corresponding relatively flat base member adapted to be secured to the surface of another element to be joined to said first element and having a rearwardly extending substantially U-shaped portion forming a recess for the reception of the projecting tongue of the first element, a projection formed on the relatively flat tongue, an opening formed in the corresponding base member above the U-shaped portion so that when the parts are brought into engagement the projection moves entirely thereabove in the direction of insertion, a slot formed in the U-shaped portion disposed transversely to the direction of insertion of said tongue, said slot forming receiving means for said projection to provide a first engaging means, said tongue having an undercut therein for engaging and receiving part of the base of said corresponding flat base member to provide a second engaging means, and said tongue having an aperture and said rearwardly extending portion having an aperture which are aligned when said projection is in said slot, and means adapted to pass through said aligned apertures to provide a third engaging means.

2,585,684

HIGH-SPEED SENSITIVE RELAY

Edwin O. Roggenstein, Ilion, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware

Application October 11, 1947, Serial No. 779,256
5 Claims. (Cl. 200—87)



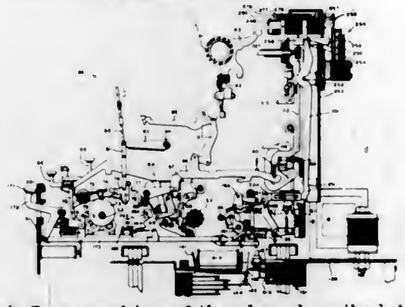
1. In a relay which may be assembled without tools, a supporting structure having a polepiece mounted thereon and a groove near one end of the supporting structure; a coil slidably mountable on said polepiece; a clip on said supporting structure for locking the coil on said pole-piece; a contact supported on said structure; an armature attractable to said polepiece and having a contact thereon cooperable with said contact supported on said structure, the said armature having a pivot edge for pivoting in the groove on said supporting structure; and a curved spring detachably engaging the armature and coupled with the supporting structure for biasing said armature, the said spring being also utilized for conducting current into the armature contact and for holding said armature in the groove.

2,585,685

TABULATING AND TOTAL SENSING CONTROL MECHANISM

Edwin Otto Roggenstein, Norwalk, Conn., and Emil F. Thierfelder, Ilion, N. Y., assignors to Remington Rand Inc., New York, N. Y., a corporation of Delaware

Application May 11, 1949, Serial No. 92,706
14 Claims. (Cl. 235—59)



14. In a machine of the class described, having a movable carriage, a switch, a first electromagnet means, a second electromagnet means, a total sensing mechanism, a tabulating mechanism adapted upon operation to release the carriage for movement as well as to arrest it in a predetermined total sensing position including a tabulating cam mechanism, the combination of means operated by the movement of the carriage to close the switch at a predetermined point in said movement, circuit devices for energizing the first electromagnet means when the switch is closed, means operated by said first electromagnet means when energized to release the tabulating cam mechanism, means operated by the second electromagnet means when energized to prevent release of the tabulating cam mechanism by the first electromagnet means, means operated by the cam mechanism when released to engage and hold the switch closed until the cam mechanism is restored to normal condition, first electromagnet means being adapted when energized to initiate an operation of said tabulator mechanism to perform a total sensing function, a flick switch in circuit with said first electromagnet means, tabulating keys adapted to actuate said flick switch, said second electromagnet means being adapted when energized to prevent the initiation of operation of said tabulator mechanism by said first electromagnet means and permit the total sensing function thereof, means movable with the carriage adapted to be arrested in said predetermined position and means adapted upon operation of the total sensing mechanism to energize said first electromagnet means.

2,585,686

CONVERTIBLE SCARF

Dorothy B. Rossant, New York, N. Y.

Application January 29, 1949, Serial No. 73,535
2 Claims. (Cl. 2—91)

1. A convertible scarf comprising a piece of light weight scarf material of substantially square outline, said material having a central portion substantially square in shape, constituting a major area and a plurality of corner enlargements constituting minor areas, said corner enlargements of minor areas each substantially square in shape, said corner enlargements being separated by side cut-outs, whereby when said scarf is folded on a diagonal line a pair of coterminous corner enlargements centrally disposed and a diagonally folded single corner enlargement at



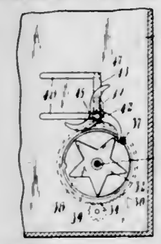
each end are formed, said coterminous central enlargements and said end enlargements being, respectively, separated by said cut-outs, said coterminous central enlargements being adapted to cover the front torso of the wearer with the material between said end enlargements in encircling relation about the neck of the wearer, said end enlargements being adapted to be formed into an over-hand knot disposed in superposed relation to said centrally disposed coterminous enlargements.

2,585,687

INTERMITTENT MECHANISM

Leonard Watson Sanderson, Toronto, Ontario, Canada

Application May 5, 1949, Serial No. 91,541
4 Claims. (Cl. 74—436)



1. In a changeable sign apparatus having a sign-carrying band mounted on rollers including a driving roller having a shaft element, a mechanism for operating said band with an intermittent motion, said mechanism comprising a star wheel secured on said shaft element, a spider rotatably supported in a plane containing said star wheel and having arms spaced for successive engagement with the teeth of said star wheel, a gear journalled on said shaft element adjacent to said star wheel, a wiper pin carried by said gear for orbital movement about said star wheel whereby to engage an arm of said spider for imparting an angular movement to said spider in a complete turn of said gear, and power-operated gearing engaged with said gear for continuously driving the same.

2,585,688

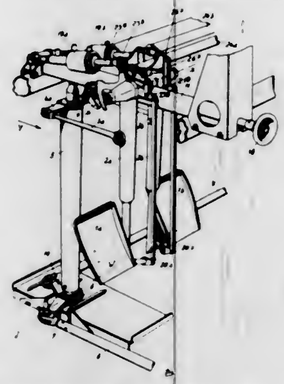
AIRCRAFT RUDDER CONTROL COLUMN

Raymond Saulnier, Paris, France

Application December 15, 1948, Serial No. 65,389
In France December 16, 1947
7 Claims. (Cl. 244—86)

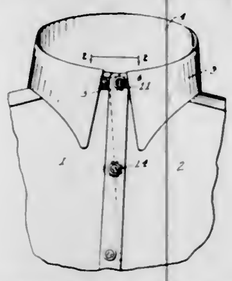
1. A combined device for aircraft rudders and landing wheel brakes provided with means for

adjusting the position of control members to the pilot's stature, even in flight and without interfering with any controls, this device comprising: a fixed support, at least two pedals articulated each about a separate horizontal transverse axle carried by the lower free end of a pedal supporting tube, said tubes being articulated at their upper ends to said fixed support and movable about a common horizontal transverse axis, a rudder control tube articulated at its lower end about a pivot for rocking motion around a horizontal axis and rotatable about its own longitudinal axis, two rods connecting respectively each of



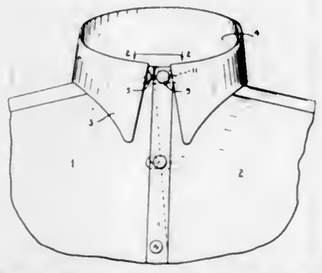
said pedal supporting tubes with an upper cross arm rigid with said rudder control tube, a lower cross arm rigid with the same rudder control tube and carrying a steering gear transmission, means for actuating the brakes by pivoting the pedals about their respective horizontal axles, and means for displacing in a fore and aft direction the upper end of said rudder control tube, whereby the position of the pedals may be adjusted to the pilot's stature, by the simultaneous pivoting of said pedal supporting tubes about their common upper axis, the three controls of steering, braking and adjustment of pedals being independent each from another.

2,585,689
CONNECTOR FOR APPAREL
John V. Schafer, Bronson, Mich.
Application April 18, 1949, Serial No. 88,337
4 Claims. (Cl. 2—141)



2. A conventional shirt collar having an inner portion provided with a fastener at its outer side and an overlapping outer portion provided with a hole for normally receiving said fastener, a detachable connector comprising an elongated yieldable body interposed between and in conforming relationship with the inner and outer portions of the collar, and said connector being provided with a hole receiving the fastener on the inner portion of the collar and also with fastening means received in the hole of the outer portion of the collar for connecting the said portions together in a manner whereby the connector may readily conform to the neck of a wearer.

2,585,690
ADJUSTABLE ATTACHMENT FOR SHIRT COLLARS
John V. Schafer, Bronson, Mich.
Application April 29, 1950, Serial No. 159,086
8 Claims. (Cl. 2—141)



1. An attachment for the neck band of a shirt comprising an elongated body having a button hole at each end thereof for selectively receiving a button on the neck band, and a button secured to the body between the holes and adapted to be received in a button hole in the neck band.

2,585,691
SURGICAL PAD
William M. Scholl, Chicago, Ill.
Application March 25, 1949, Serial No. 83,468
1 Claim. (Cl. 128—153)

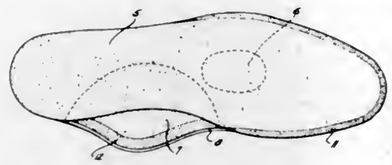


A surgical pad including a fully exposed one-piece body part of relatively thick cushioning material having a concentric opening therein to receive an affliction, a strip of fabric coextensive with and secured to the lower face of said body part for reinforcing said body part, adhesive means on the undersurface of said fabric strip for securing the pad about an affliction, the inner edge of said body part forming a substantially perpendicular wall for said concentric opening, and the outer edge of said body part being continuous in horizontal plane, the outer face of said body part being comprised of successive bevels each of a different depth and at a different angle to the vertical axis of the pad to provide a substantially convexly arcuate bounding edge.

2,585,692
CUSHIONING AND CORRECTIVE INSOLE
William M. Scholl, Chicago, Ill.
Application September 1, 1949, Serial No. 113,554
1 Claim. (Cl. 36—71)

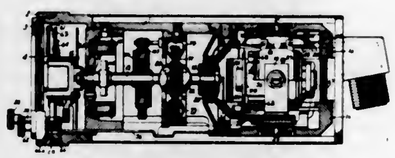
A corrective and cushioning device for free disposition in an article of footwear, including a sheet of relatively thin cellular latex of uniform thickness to be supported on the built-in insole of a shoe and being coextensive therewith, a smaller sheet of similar cellular latex material positioned over said first sheet in the region of

the longitudinal arch of the foot and extending laterally well beyond said first sheet, a substantially thinner cover over both said sheets, said cover overlying said first sheet and being curvately formed to overlie said second sheet in its lateral extension beyond said first sheet, said second sheet being deeply skived along the margin of said lateral extension and forming with



said first sheet an angular edge along said arch portion, said first sheet resting flatly upon the insole of the shoe throughout the entire area thereof and said second sheet fitting intimately against the laterally vertical side of the shoe upper adjacent said arch portion, whereby said corrective and cushioning device conforms to the contour of the insole and arch of the shoe throughout all areas of engagement therewith.

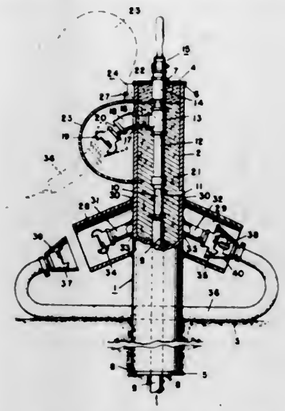
2,585,693
GYROSCOPIC DIRECTION INDICATOR
Allen T. Sinks, deceased, late of Beach Bluff, Mass., by Anna C. Sinks, administratrix, Beach Bluff, Mass., and Richard A. Pfuntner, Saugus, and Samuel Gabrielson, Lynnfield, Mass., assignors to General Electric Company, a corporation of New York
Application August 2, 1945, Serial No. 608,506
12 Claims. (Cl. 74—5.46)



1. A gyroscopic instrument comprising a gyroscope having a rotor mounted so that the spin axis is free to rotate about first and second mutually perpendicular axes, and means for applying a torque to said gyroscope about said second axis to cause it to precess about said first axis to a position in which the spin axis of said rotor lies in a plane normal to said second axis, said means comprising magnet means mounted to rotate with said rotor and a relatively fixed eddy current ring in inductive relation with said magnet means, said ring being coaxial with said second axis.

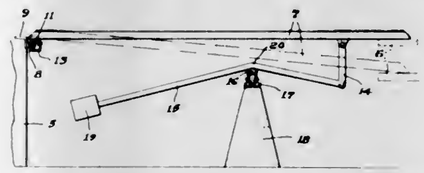
2,585,694
SANITARY WATER HYDRANT FOR RAILROAD YARDS
Charles E. Sisson, Washington, D. C.
Application November 25, 1947, Serial No. 787,931
1 Claim. (Cl. 137—13)

A sanitary water supply structure comprising a hydrant including a vertical casing, a supply pipe extending upwardly through said casing and having an outlet pipe extending laterally therefrom and out of said casing, there being a fitting at the outer end of said outlet pipe, a cover for the outlet and its fitting movable to closed and open positions, sleeves extending from opposite sides of said casing below the outlet and its cover, short pipes extending from said casing within said sleeves centrally thereof and at their outer ends carrying fittings spaced inwardly from open outer ends of the sleeves, and a flexible hose having fittings at opposite ends selectively de-



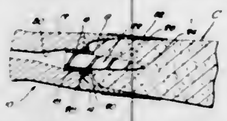
tachably engageable with the fitting of said outlet pipe, said hose being of a length adapting it to be disposed transversely of said casing when detached from the outlet pipe and have its end portions turned upwardly and inwardly and its fittings detachably connected with the fittings in said sleeves.

2,585,695
ADJUSTABLE LOADING RAMP AND THE LIKE
Harold F. Snow, Pine Point, Maine
Application February 25, 1949, Serial No. 78,450
5 Claims. (Cl. 14—71)



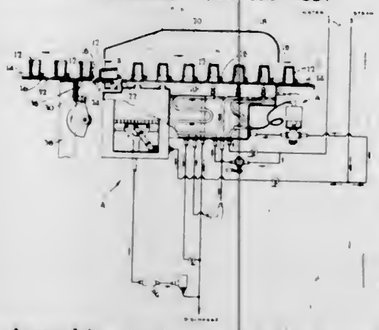
1. Load transferring equipment comprising a ramp, supporting means for said ramp, a connection between said ramp and said means, said connection including a trackway carried by said means and a member carried by said ramp adjacent its rear edge movably engaging said trackway to enable said ramp to be moved along said trackway and to be swung upwardly and downwardly in any of its positions therealong, a depending arm pivotally connected to said ramp adjacent its front end, a rearwardly extending counterweighted lever pivotally connected at its front end to the free end of said arm, supporting means for said lever in parallel with said first trackway and located intermediate the ends of said ramp, and a connection between said lever and said second supporting means including a second trackway carried by said second means and a member carried by said lever movably engaging said second named trackway to enable said lever to be moved relative to said second supporting means as said ramp is moved along said first trackway and to establish a fulcrum for said lever as said ramp is raised and lowered, each of said trackways being wider than the member engaging therewith.

2,585,696
SMOKING IMPLEMENT
Louis N. Sobel, New York, N. Y.
Application March 24, 1948, Serial No. 16,769
4 Claims. (Cl. 131—188)



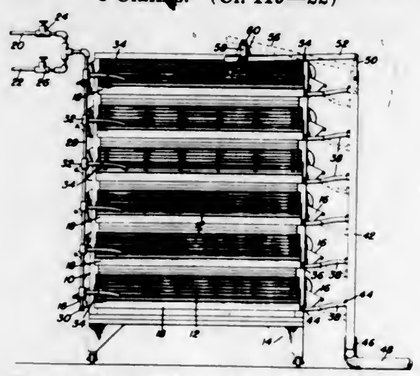
1. In a cigar holder having a receptacle adapted to hold the end of a cigar, a mouthpiece and a smoke passage between said receptacle and mouthpiece, a shell-like element having one end formed as a closed, relatively sharp tip and adapted to fit with its open end in said passage, said element adapted to project into said receptacle so as to penetrate a cigar inserted endwise into said receptacle, and having in its wall at least within the confines of said receptacle a spiral gap which extends through said wall, said spiral gap being formed of relatively closely spaced convolutions whereby to prevent the passage of loose particles of tobacco therethrough.

2,585,697
MACHINE FOR INVERTING CONTAINERS
Walter L. Sommer, Sterling, and Emmitt I. Leeder and Cloyd L. Collins, Rock Falls, Ill., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey
Application September 1, 1950, Serial No. 182,786
7 Claims. (Cl. 198—33)



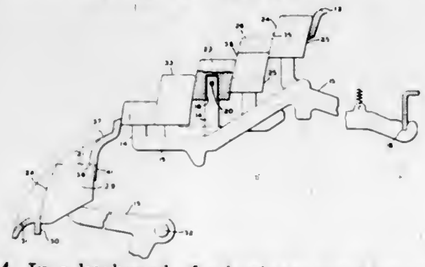
1. A machine for inverting rigid food containers and the like comprising a generally horizontal support for the containers in upright position, with a terminus of the support at the point of beginning of the inversion of the containers; a conveyor moving the containers one after another, on the support, the conveyor including spaced elements disposed above the support at a distance less than the smallest dimension of the containers; a container receiving member disposed beyond the said terminus to receive the containers as they fall from the terminus of the support, the said member being spaced from the terminus at a distance less than the vertical dimension of the containers on the support; an elevator for the containers beyond the position of the receiving member, the elevator at the down position being below the level of the said member, so that the containers fall from the said member to the elevator and in so doing invert themselves; a table at one end adjacent to and on a level with the elevator in the raised position thereof; means moving the conveyor and the said elements thereof over the said support, past the receiving member and elevator, and then over the said table so that the said elements push the fallen containers upon and then off the said receiving member and eventually upon the said table; an elevator operating mechanism, synchronized with the said means, for lowering and raising the elevator, so that the elevator is in the down position as the container falls from the said receiving member and is in the raised position just in advance of one of the said elements and remains at that position until the said element has pushed the container from the elevator onto the said table, the said elements of the conveyor being spaced apart at a distance at least equal to the vertical dimension of the containers on the said support so that the containers, when pushed over the said terminus of the support, fall between adjacent ones of the said elements and upon the receiving member.

2,585,698
AUTOMATIC SANITARY WATER SYSTEM FOR BATTERY BROODERS
Nello Verne Spring, Bogalusa, La.
Application November 24, 1950, Serial No. 197,366
5 Claims. (Cl. 119—22)



1. In a battery brooder, a plurality of vertically spaced coop sections, a trough adjacent each section, a vertical inlet pipe, means connecting the inlet pipe to a source of water, water inlet tubes leading from said inlet pipe to said troughs, a vertical outlet pipe, outlet tubes leading from bottom portions of said troughs to said outlet pipe and means operatively connected to said outlet pipe to raise and lower said outlet pipe so that the troughs may be filled when the outlet pipe is raised and drained when the outlet pipe is lowered.

2,585,699
KEYBOARD STRUCTURE
Jan Streng, Redding, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application July 6, 1949, Serial No. 103,215
15 Claims. (Cl. 197—98)



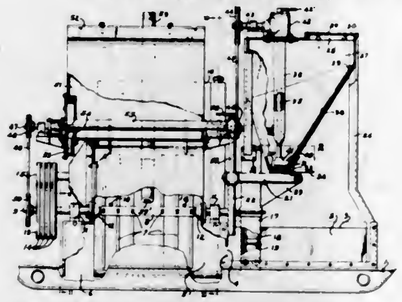
14. In a keyboard of a business machine, compactly set rows of keys having arcuate front and rear walls, the arcs of which walls have a common radial point, such keys having block bodies movable in rubbing contact with one another, such bodies being sufficient in depth to allow depression thereof without revealing any opening beneath the immediately adjacent key bodies.

2,585,700
METHOD OF MAKING CONDUCTIVE DESIGNS
Samuel W. Strickman, Kew Gardens, N. Y., assignor of one-fourth to Charles E. Bloom, Glen Ridge, N. J., and one-fourth to Harry C. Bierman, New Rochelle, N. Y.
Application February 12, 1949, Serial No. 76,033
7 Claims. (Cl. 204—18)



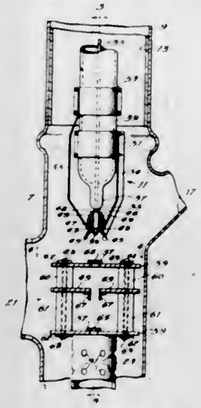
5. A method of forming conductive designs which comprises providing a photographic film of a substance capable of being gelled by volatile organic liquids with an exposed and developed image in gelatine, removing the gelatine from said exposed image to expose said film at a lower level than the gelatine, spraying a mixture of finely divided conducting particles and a readily volatile organic liquid capable of gelling the surface of said film onto the gelatine side to cause gelling of said film and penetration of said particles into the surface thereof, and evaporating said liquid, whereby said particles adhere to said film, then removing said gelatine, thereafter applying to said surface a synthetic organic substance capable of being hardened in situ and hardening said substance, whereby said particles become embedded in said substance, stripping said film from said hardened substance, and electroplating metal on the conductive pattern of said particles.

2,585,701
MUD AND CHEMICAL MIXER
Lee Lavere Thompson, Iowa Park, Tex.
Application December 28, 1948, Serial No. 67,689
15 Claims. (Cl. 259—9)



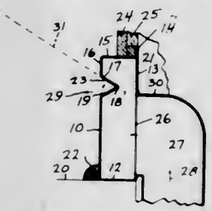
1. A mud mixer for well drilling mud comprising a mixing chamber having an inlet and an outlet, means for mixing mud in said chamber, a separate compartment for containing a dry material to be supplied to said mud, an oscillating agitator means within said separate compartment for directing said dry material out of said compartment, and means for receiving a portion of said material and producing an initial mixing thereof before directing the initially mixed material to said mixing chamber.

2,585,702
SPECTROMETER
Robert W. Thompson, Minneapolis, Minn., and Wallace T. Leland, New York, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application June 12, 1945, Serial No. 599,066
7 Claims. (Cl. 250—41.9)



1. A thermionic ion source for a mass spectrometer comprising a heater filament, support means for said filament, a coating on said filament which will liberate ions of the desired character when heated to a predetermined temperature, a pair of electrodes for focusing and directing the ions produced by said source, and means supporting said electrodes in opposed, outwardly flared relationship adjacent to said coated filament, said support means insulating said electrodes from said coated filament and including means to adjust the position of said electrodes relative to said coated filament attached to the electrodes, and means to apply a positive potential to the electrodes.

2,585,703
HOT-AIR CIRCULATING MOPBOARD
Theodore E. Thorson, Sioux Falls, S. Dak.
Application August 15, 1949, Serial No. 110,300
2 Claims. (Cl. 98—40)



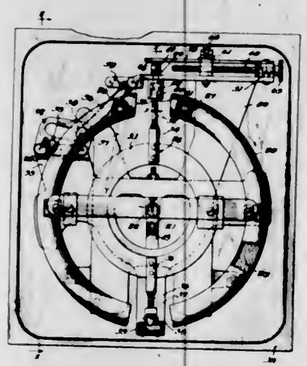
1. A hot air circulating device comprising a hollow mop board having a forward wall, a rear wall parallel to and spaced from said forward wall, and upper and lower end walls, said forward wall having a downwardly and inwardly inclined portion having a plurality of laterally spaced openings, a further outwardly inclined portion extending downwardly and angularly from said portion, means for admitting warm air into said mop board, the inclination of said openings providing means for directing warm air downwardly from said openings to impinge against said further inclined portion, and whereby said warm air will then be directed laterally.

2,585,704
THERMOSTAT WITH MICROSCOPIC MAT FINISH
Victor G. Vaughan and August G. Schaefer, Attleboro, and George G. Wood, Norton, Mass., assignors to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application August 18, 1948, Serial No. 44,924
3 Claims. (Cl. 297—15)



1. A thermostatic element comprising a composite sheet-metal snap-acting dished disc having at least one face composed of a diffusely reflecting randomly oriented microscopic mat finish of uniform color, the root mean square of the profile of said finish being of the order of several microinches, and resulting in a fineness adapted to be substantially non-roughening and adapted to prevent color blotching upon a liquid-bath heat treatment of the disc at several hundred degrees Fahrenheit.

2,585,705
RING-BALANCE
Otto B. Vetter, Chicago, Ill., assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 14, 1946, Serial No. 690,390
24 Claims. (Cl. 73—405)



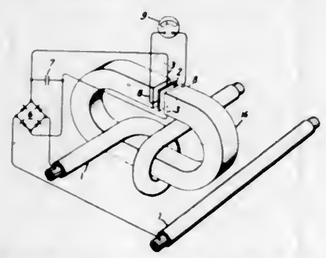
2. In measuring apparatus including an element rotatable about its axis of rotation in response to variations in a variable under measurement, the combination with said element of loading means comprising: means yieldably resisting deflection, a member pivotally connected to said element eccentric of said axis to receive motion from said element, said member being drivably engaged with said resisting means at a point spaced from said axis, said member being substantially radially disposed with respect to said axis when said measuring apparatus is in the null position, and means constraining said member to substantially linear displacement at said point of engagement with said resisting means, whereby said member transmits the angular displacement of said element into a linear displacement at said resisting means.

2,585,706
ACIDIZING PACKER
Cecil Ware, Houston, Tex.
Application September 26, 1949, Serial No. 117,797
7 Claims. (Cl. 166—12)



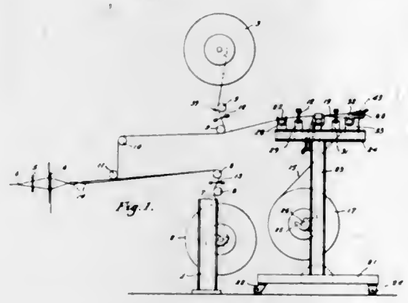
1. A packer for wells comprising, a tubular support, a tubular packer body surrounding the support and including a slip cage, a plurality of casing-engaging slips mounted in the cage, a slip expander between the slips and tubular support, a downwardly and inwardly tapering seat in the cage, an expansible nut on said seat having inside threads and said tubular support having external threads engageable with the threads of said nut to hold the tubular support and body against longitudinal movement relative to each other, said threads being releasable upon rotation of the tubular support to allow said support to move downwardly relative to said body, interengaging means between the tubular support and the slip expander whereby the expander will move downwardly with the tubular support to expand the slips and engage them with the well casing, and a packing member above and beneath the slips and surrounding said tubular body, and engaging the well casing to resist movement of the body in the casing to permit rotation of the support to release said threads and longitudinal movement of the support relative to the body when released therefrom.

2,585,707
HALL EFFECT ALTERNATING CURRENT VOLT-AMPERE METER
Russell A. Warner, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 29, 1950, Serial No. 203,322
6 Claims. (Cl. 171—95)



1. Apparatus for measuring the volt-amperes of an alternating current line comprising a Hall plate having a field winding for producing a flux therethrough and having input current terminals at opposite edges across one central axis of said plate and output voltage terminals at other opposite edges across a central axis at approximately right angles to the first mentioned axis, circuits for supplying the field and the current input terminals from the line the volt-amperes of which are to be measured, one of said circuits being supplied in proportion to the voltage of said line and the other circuit being supplied in proportion to the current of said line, means in at least one of said supply circuits for rectifying the current flow therein, and an instrument supplied from the output voltage terminals of said Hall plate calibrated with the apparatus in terms of the volt-amperes of said line.

2,585,708
METHOD AND APPARATUS FOR UNITING WARPS
Raymond Welch, Sanford, Maine, assignor to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine
Application May 6, 1949, Serial No. 91,770
13 Claims. (Cl. 28—47)

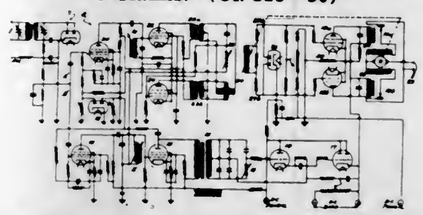


1. The method of continuing the warps in a loom which consists in inserting the ends of the warps on a supply beam and the oppositely facing ends of the running warps into a series of parallel individual channels to cause the ends of the one set to be overlapped individually in regular sequence upon the oppositely facing individual ends of the other set in said channels, applying an adhesive to each pair of overlapped ends in the channels to effect their adhesion, and separating the adhering ends from the channels.

2,585,709
1-METHYL-5-CHLOROBENZENE-2-THIOGLYCOLLIC ACID
Jesse Werner, Brooklyn, N. Y., and David E. Graham, Winfield, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 14, 1949, Serial No. 133,003
8 Claims. (Cl. 260—516)

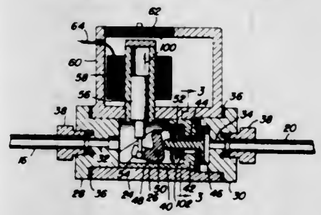
1. In a process for purifying crude 1-methyl-5-chlorobenzene-2-thioglycollic acid, the steps of acidifying an alkaline solution of said crude acid to a pH of about 6.0 to 6.2, separating out the precipitated material, acidifying the solution further to a pH of about 4.0 to 5.8 and recovering the newly precipitated material which consists of substantially pure 1-methyl-5-chlorobenzene-2-thioglycollic acid.

2,585,710
ELECTRIC MOTOR CONTROL SYSTEM
Robert V. Werner, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application September 29, 1945, Serial No. 619,299
3 Claims. (Cl. 318—30)



1. Apparatus for controlling the operation of an electric motor comprising a pair of gaseous conduction valves each having a control grid and a plate and connected respectively to control the operation of the motor in opposite directions, means to deliver plate power to said valves in response to a control impulse wave of selected frequency and continuous phase rotating means drivingly connected with said motor, for delivering grid control waves of a selected frequency different from the frequency of said impulse wave, on the grids of said valves, in phase displacement with respect to said impulse wave and in phase opposition the one with respect to the other, to thereby actuate the motor in one direction or the other in accordance with the relative phase displacement of the impulse and grid control waves and to halt rotation of the motor in such direction after it has turned the phase rotating means sufficiently to alter the phase displacement of the control waves to a selected degree.

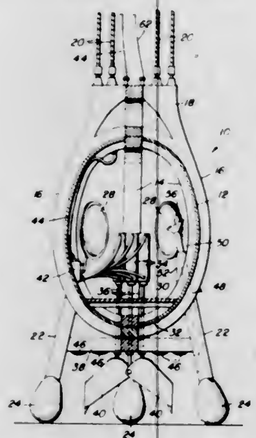
2,585,711
HYDRAULIC BRAKE CONTROL
Guy H. Whitney, Morrisville, Pa., and Alonzo J. Rosso, Washington Crossing, N. J.
Application September 7, 1948, Serial No. 48,054
1 Claim. (Cl. 137—139)



In a hydraulic brake control system, an electrically actuated fluid valve comprising a housing affording an open-ended cylindrical chamber and a compartment disposed above said chamber, a substantially tubular insert positioned intermediate the ends of the chamber and provided at one of its ends with a wall having a valve port therein, the remaining end and the adjacent upper portion of said insert being open, an end cap provided in each end of said chamber and having a fluid carrying tube connected thereto in communication with the chamber, a spring-pressed closure element adapted to seat against said wall and including a stem slidable through said port, a transverse fulcrum pin provided in the open end portion of said insert, a bellcrank provided on said pin and having one arm thereof in operating engagement with said stem, a hollow cylindrical member extending upwardly into said compartment and affording

a re-entrant pocket communicating at its lower end with said chamber, an electro-magnetic coil wound around said member in said compartment, and a gravity actuated plunger positioned in said pocket and slidable upwardly in response to energization of said coil, the lower end of said plunger being pivotally connected to the second arm of said bellcrank, whereby said stem may be slid to open and close said element by reciprocation of said plunger.

2,585,712
DIVING APPARATUS
Walter Wiggins, Jr., Washington, D. C.
Application May 23, 1949, Serial No. 94,841
1 Claim. (Cl. 61—69)

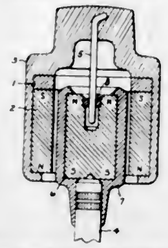


In a diving apparatus, the combination of a submersible vessel, a set of downwardly projecting legs provided on said vessel, a cross-member connecting together said legs in a plane spaced upwardly from the lower ends thereof, said cross-member being disposed below the bottom of the vessel, a set of slidable control rods extending downwardly from the interior of said vessel through said cross-member, a material handling device supported and manipulated by said control rods and disposed between said legs below the cross-member, a plurality of downwardly directed lamps mounted in the underside of the cross-member for illuminating said device, and an inverted periscope having its upper end disposed in said vessel and extending downwardly through one of said legs to a point in substantial horizontal alignment with the material handling device, the lower end of said periscope terminating at the inner surface of the associated leg whereby said device may be viewed indirectly and laterally from the interior of said vessel.

2,585,713
PROCESS OF PREPARING ACTINOPHAGE-RESISTANT A. GRISEUS AND PREPARING STREPTOMYCIN
Harold B. Woodruff, Cranford, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application April 15, 1948, Serial No. 21,305
7 Claims. (Cl. 195—80)

1. Process for the preparation of streptomycin which comprises cultivating strains of *Actinomyces griseus* in the presence of actinophage, transferring the resistant cells to a new culture medium and subjecting said culture medium to agitation and aeration.

2,585,714
MAGNETIC SUSPENSION
Henry T. Wrobel, Lynn, and Hans A. Bakke, Swampscott, Mass., assignors to General Electric Company, a corporation of New York
Application March 30, 1949, Serial No. 84,364
6 Claims. (Cl. 308—1)



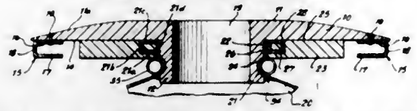
1. A permanent magnet assembly comprising a pair of relatively rotatable permanent magnets of cylindrical shape one being hollow and freely and concentrically surrounding the other, said two magnets being polarized in the direction of their axes in opposite directions, and means for protecting said assembly against cross-polarization of the magnets, comprising a washer-shaped piece of high permeability low coercive force material secured in direct contact to the outer magnet at one end thereof and concentric therewith, said piece conforming in size and shape to the cross section of such outer magnet at the point of contact and having a thickness between ⅛ and ½ that of such magnet.

2,585,715
CLOTHES HANGER GUARD
Knowles Youngblood, Atlanta, Ga.
Application June 26, 1950, Serial No. 170,296
1 Claim. (Cl. 223—98)



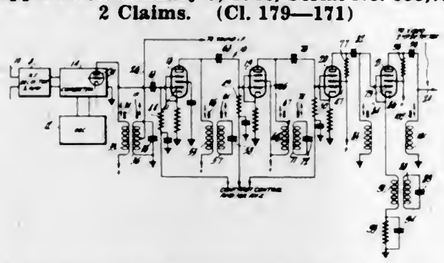
A trousers guard adapted to be supported on the trousers rod of a garment hanger having upwardly and inwardly extending coat supporting members, said trousers guard comprising an elongated blank of bendable material having relatively short slits midway between opposite sides thereof which open through opposite ends thereof to receive the coat supporting members of a garment hanger, said blank also having relatively short longitudinally spaced slits of serrated formation extending therethrough midway between opposite sides thereof, and said last named slits forming longitudinally spaced rows of upwardly inclined substantially V-shaped teeth when the blank is bent along its longitudinal axis with the points of the teeth of each row lying on the side of the longitudinal axis opposite their respective bases.

2,585,716
DRAINAGE RECEPTOR
Saul P. Zaetz, Burlington, Vt.
Application May 20, 1949, Serial No. 94,447
5 Claims. (Cl. 128—283)



5. An improved drainage receptor comprising, a body engaging plate having a boss, said plate and boss having a through passageway therein, a drainage receiving bag supporting disk having an opening therethrough for receiving said boss, a drainage receiving bag mounted on said disk, said boss having a groove therein, and retaining means comprising a coil spring removably received by said groove for holding said plate and disk in assembled relation.
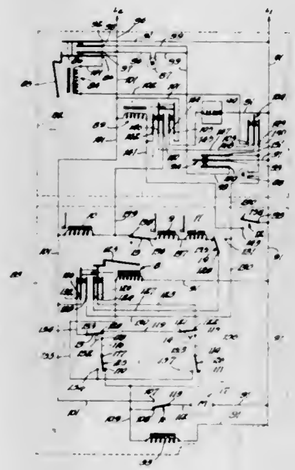
2,585,717
BAND PASS AMPLIFIER
John C. Achenbach, Collingswood, N. J., Simeon I. Tourshou, Philadelphia, Pa., and Donald Mackey, Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application January 3, 1946, Serial No. 638,780
2 Claims. (Cl. 179—171)



1. A multistage amplifier for a modulated signal having a wide-band response characteristic, the last stage of the amplifier having means including a coupling condenser for coupling the amplifier to a demodulating device, each stage comprising an amplifying tube, each tube having at least a cathode, a control electrode and an anode, coupling circuits each including a blocking condenser for coupling the grid of a tube to the plate of a preceding tube, a direct connection from the grid of an advanced stage tube in said amplifier to the point of zero A. C. potential in said circuit, said direct connection consisting essentially of an inductance of negligible ohmic resistance, and a direct connection from said demodulator coupling means beyond the coupling condenser therein to the point of zero A. C. potential in said amplifier, said second named direct connection also including only an inductance of negligible ohmic resistance, whereby said later stage coupling and said demodulator coupling means will have a low time constant response to amplified noise pulse signals substantially to eliminate the after effect of a noise pulse.

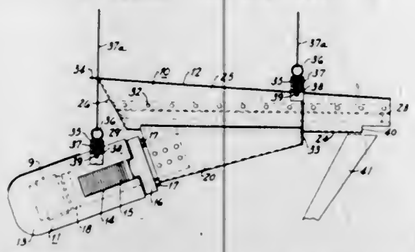
2,585,718
CHANGE MAKER AND CIRCUIT THEREFOR
Clifford B. Adams and Fred E. Wallin, St. Louis, Mo., assignors to National Rejectors, Inc., St. Louis, Mo., a corporation of Missouri
Application June 25, 1948, Serial No. 35,158
5 Claims. (Cl. 194—10)

1. In a change making mechanism for operating an electrically initiated vending machine and for receiving gravity propelled coins of predetermined unit denomination and coins of a predetermined plurality of larger denominations, means forming a frame and a plurality of coin passageways, each of said passageways adapted to conduct each said coin of each denomination in a separate path, a momentary master electric switch for initiating the operation of said vending machine, said master switch responsive to the descent of each coin of each said denomination, a plurality of additional momentary electric coin switches positioned in said frame, corresponding with and responsive respectively to the descent in each of said passageways of each coin of each of said larger denominations, permanent magnet holding means positioned in said frame for temporarily and independently holding each of said additional coin switches in displaced position when operated by a coin corresponding thereto, a magazine for receiving and storing a predetermined minimum plurality of coins of said unit denomination deposited in said mechanism, electro-mechanical



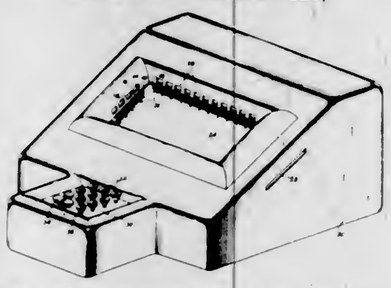
means for sequentially discharging coins of said unit value from said magazine, electro-mechanical motive means for restoring said electro-mechanical means including movable cam means for restoring each of said additional coin switches to normal position in predetermined sequence when held by said magnet holding means, a source of electric energy, circuit means connecting said source of energy, said vending machine, said master switch, said additional coin switches, said electro-mechanical means, said electro-mechanical motive means, whereby a coin of one of the said larger denominations deposited in said mechanism will momentarily operate said master switch and initiate through said circuit means the operation of said vending machine and upon its further descent will operate its said corresponding coin switch to energize through said circuit said electro-mechanical means and said electro-mechanical motive means and whereby said cam means will restore said electro-mechanical means and said coin switch when a predetermined number of coins of unit denomination has been discharged from said magazine.

2,585,719
LIQUID SOLID SEPARATOR
Grove D. Alvord, Indiana, Pa., assignor to Syntron Company, Homer City, Pa., a corporation of Delaware
Application January 3, 1947, Serial No. 720,045
3 Claims. (Cl. 210—149)



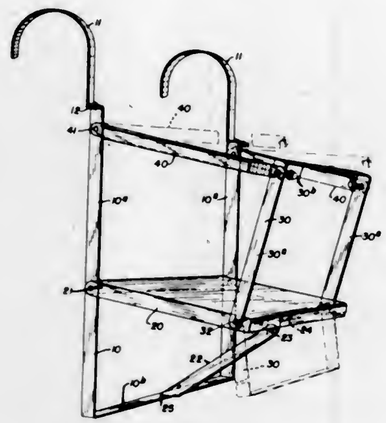
1. A dewatering apparatus for wetted fruit and vegetables comprising a rigid unitary structure including a trough having solid bottom and side walls and a rigid screen of spaced parallel bars secured to each other and providing a smooth continuous longitudinal conveyor surface in the trough, said screen conveyor surface being supported from said side walls of said trough and spaced above the trough bottom with the bars disposed longitudinally of the trough, resilient means supporting the rigid unitary structure of the trough with the screen in a substantially horizontal plane, and an electromagnetic motor mounted to reciprocate the trough and screen at a high frequency and low magnitude to precipitate the liquid from the wetted fruit and vegetables to the bottom of the trough where it is run off while simultaneously conveying the fruit and vegetables from one end of the screen to the other, and a discharge means for directing the precipitated liquid from one end of the trough bottom and in spaced relation from the position where the materials are discharged from the screen to independently control the liquid and materials from the time immediately after they are separated.

2,585,720
PUNCHING APPARATUS
Oliver Wilbert Anderson, deceased, late of Cedar Rapids, Iowa, by Carl Hendrickson, executor, Cedar Rapids, Iowa, assignor, by decree of court, of one-third to Lucille M. Anderson, individually, and two-thirds to Lucille M. Anderson, as guardian
Application May 4, 1948, Serial No. 24,998
21 Claims. (Cl. 164—113)



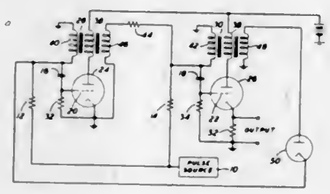
1. Card edge notching apparatus comprising a card support, a plurality of groups of edge notching punches movable past said support, electromagnetic stroke changing means for a punch of each group to record different values, electromagnetic means sequentially activating said groups, means for selecting punches of said groups for a notching operation, and driving means imparting notching movement to selected punches of said groups.

2,585,721
AUXILIARY AUTOMOBILE SEAT FOR CHILDREN
Armand A. Bachand, Worcester, Mass.
Application January 21, 1950, Serial No. 139,900
5 Claims. (Cl. 155—11)



1. An auxiliary automobile seat comprising a frame, means to secure said frame to the back of a regular automobile seat, a seat member mounted on said frame, a rigid child-retaining member effective to retain a child on said seat member, said child-retaining member being pivoted to the child-supporting seat member and adjacent the front edge portion thereof and being movable to and from child-retaining position, and means to secure said member in child-retaining position.

2,585,722
FREQUENCY DIVIDER
Jack A. Baird, Rockaway, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1949, Serial No. 119,837
17 Claims. (Cl. 250—36)

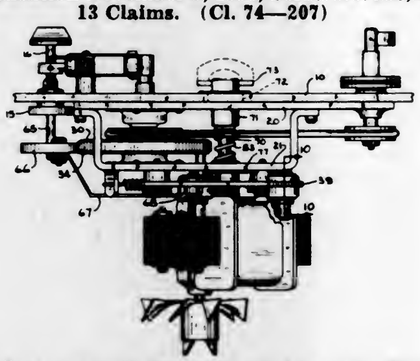


16. A frequency dividing system comprising a first and a second frequency dividing device, each including an input circuit, a source of substantially constant frequency electrical impulses, means for simultaneously supplying said impulses to said input circuits, and means for cancelling each alternate impulse in the input circuit of said second device.

2,585,723
PRODUCTION OF ALIPHATIC ACIDS
Fred W. Banes, Westfield, William P. Fitz Gerald, Elizabeth, and Joseph F. Nelson, Rahway, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 13, 1950, Serial No. 173,676
5 Claims. (Cl. 260—533)

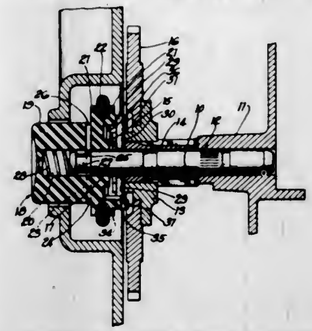
1. A process for preparing a mixture of even numbered saturated aliphatic carboxylic acids containing 4 to 10 carbon atoms per molecule which comprises reacting acetic acid with ethylene in the presence of di-tertiary butyl peroxide at a temperature of 145° C. to 170° C. and at a pressure of 800 to 1000 p. s. i. for a period of one to four hours and recovering even numbered saturated carboxylic acids containing 4 to 10 carbon atoms per molecule from the reaction.

2,585,724
MAGNETIC RECORD BODY DRIVING MECHANISM
Edmund Barany, Chicago, and Melvin Sackter, Arlington Heights, Ill., assignors to Ampro Corporation, Chicago, Ill., a corporation of Illinois
Application November 9, 1950, Serial No. 196,134
13 Claims. (Cl. 74—207)



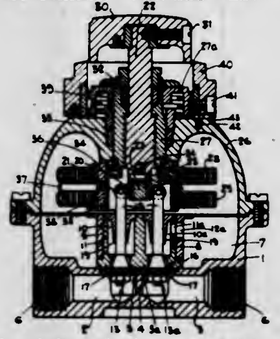
1. In a magnetic recording and/or reproducing instrument that comprises mechanism for driving an elongate flexible record body including a rotatable element and an electric motor having an output spindle, said mechanism being convertible between record body-driving and idle conditions, a wheel that is rotatable to drive said rotatable element and a resilient tire mounted about its periphery, means mounting said motor with its output spindle parallel to the axis of rotation of said wheel and for swinging about a pivot axis disposed parallel to and spaced from the axes of rotation of said wheel and spindle for movement of the latter toward and away from the periphery of said tire, and spring means biasing the motor about said pivot axis in a direction to urge said spindle into pressure-exerting contact with said tire periphery; a shaft manually rotatable between two preselected positions, means actuable by said shaft for converting said mechanism between its record body-driving and idle conditions by rotation of said shaft between its two said positions, and means coupled eccentrically with said shaft and actuable by its rotation to said positions respectively to swing said motor to a position wherein its spindle is spaced from said tire periphery when said shaft is moved to its position to convert said mechanism to its idle condition and to release said motor for urging of its spindle against the tire by said biasing spring means when said shaft is rotated to its other said position.

2,585,725
CLUTCH DEVICE
Edmund Barany, Chicago, Ill., assignor to Ampro Corporation, Chicago, Ill., a corporation of Illinois
Application June 15, 1949, Serial No. 99,140
11 Claims. (Cl. 192—54)



1. In a clutch assembly that includes coaxial driving and driven elements arranged for relative axial movement between driving and released conditions one of said elements carrying a radially projecting pin; a hook carried by the other element extending axially in the direction of the pin-carrying element and arranged for interlocking engagement with the pin by relative rotation of the two elements when in the driving condition to prevent their relative axial movement, and spring means mounted on one said element and arranged to be tensed during interlocking engagement of said pin and hook to exert between said elements a force tending to rotate them relatively in a direction to disengage the hook and pin, and to be cleared by the other said element when said elements are in their released condition.

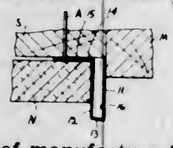
2,585,726
FLUID MIXING DEVICE
Clifford Lewis Barker, Clyde Crescent, Cheltenham, England, assignor to Walker, Crosweller & Company Limited, Clyde Crescent, Cheltenham, England
Application July 28, 1949, Serial No. 107,197
In Great Britain July 31, 1948
10 Claims. (Cl. 236—12)



3. A fluid mixing device comprising a casing having a plurality of fluid supply passages, an internal mixing chamber for fluids supplied through the said passages, and a mixture outlet, a body fixed within the said chamber, having longitudinal fluid transfer passages each in communication with a corresponding supply passage, and peripheral ports establishing communication between the said transfer passages and the said chamber, a ported sleeve disposed around

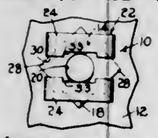
the said body, a thermally sensitive unit within the said chamber being coupled to the said sleeve for adjusting the latter relatively to the said body, a stop valve in each transfer passage on the supply side of said peripheral ports for controlling the flow of fluid through each supply passage and the corresponding transfer passage, a guide bush in said supply passage on the opposite side of the said peripheral ports to the said stop valve a rigid stem connected to each stop valve, extending along the corresponding transfer passage and through the corresponding guide bush into the said mixing chamber, a spindle mounted in and axially displaceable relatively to the casing, and a yoke rotatably carried on the said spindle internally of the said chamber and having radial arms equal in number to the said links, the links being connected to the said yoke arms.

2,585,727
METALLIC MOLDING SECTION
Theodore W. Barton, Rutherford, N. J.
Application December 10, 1949, Serial No. 132,353
5 Claims. (Cl. 20—11)



1. An article of manufacture formed of metal for use as a trim in finishing off siding installations around door, window and other openings formed in a building, said article comprising a body portion having a pair of spaced, normally parallel walls, each of said walls having a pair of opposed side edges, each of said walls having their respective adjacent side edges joined by an integral transverse wall, one of said walls having a greater width than the other of said walls, an integrally formed flange extending laterally from the other of said side edges of the other of said walls, said walls being bendable toward each other, and said body being sufficiently resilient to urge said walls away from each other to their normal position.

2,585,728
NUT RETAINER
William A. Bedford, Jr., North Scituate, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application June 2, 1949, Serial No. 96,658
7 Claims. (Cl. 151—41.76)



5. A cage member for securing a nut member to an apertured support, said cage member comprising a pair of substantially U-shaped strap portions each having a base portion and opposed leg portions, said base portions being disposed in the same plane in substantially parallel relationship to each other for overlying a face of a nut member and providing opposed spaced edges for overlying a bolt-receiving opening in said nut member and adapted to engage the threads of a bolt inserted therethrough, the leg portions at adjacent ends of said base portions being disposed in spaced-apart substantially parallel relationship to each other providing opposed edges for engagement with adjacent sides of a nut member inserted therebetween, to secure it against rotation and removal, and a pair of support-engaging portions integrally connecting the ends of said leg portions opposite said base portions and adapted to secure said cage member to a support panel on opposite sides of an aperture therein.

2,585,729
WIRE MESH STRAINER OR THE LIKE
Frank Berman, Brooklyn, N. Y.
Application March 9, 1948, Serial No. 13,783
1 Claim. (Cl. 210—161)



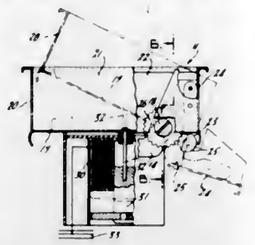
Means for finishing and reinforcing the top edge of a bowl-shaped strainer sheet which has its top edge portion bent outward and downward, comprising a circular strainer frame having an outwardly convexed outer wall inclined substantially downward and inward, said outer wall continuing at its bottom edge into a flat inner wall spaced from the inner face of said outer wall and inclined upwardly and outwardly and over the top edge of which the strainer sheet is engaged with its top edge portion depended freely in the space between the adjacent faces of said inner and outer walls, said outer wall continuing at its top edge into a curled portion located slightly inward and upward of the top edge of said inner wall and clamped against the strainer sheet where it passes over the top edge of said inner wall, the junction of said inner wall with said outer wall being smoothly rounded, a circular wire having a cross-section corresponding to the roundness of said junction positioned in said junction below the free edge of the outwardly and downwardly bent top edge portion of the strainer sheet, said wire being retained in position in said junction by the formation of said inner and outer walls.

2,585,730
PENDULUM LIMB SUPPORT CRUTCH
Camillo E. Bodnar, Tampa, Fla.
Application November 9, 1949, Serial No. 126,428
5 Claims. (Cl. 135—50)



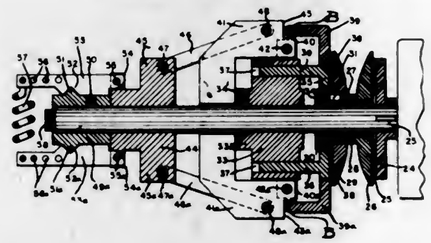
3. An attachment for a crutch, said attachment comprising a standard having means at one end for pivotal attachment to the crutch, said standard including an upper section and a lower section, said sections being extensibly connected together, means for fastening said sections together in selected extended positions, a limb support fixed to one of said sections and operatively connected with the last-mentioned means for attachment to the other of said sections and for adjustment with one of said sections with respect to the other of said sections.

2,585,731
TOY RAILROAD DUMP CAR
Joseph L. Bonanno, Madison, N. J., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application February 21, 1947, Serial No. 730,076
4 Claims. (Cl. 46—214)



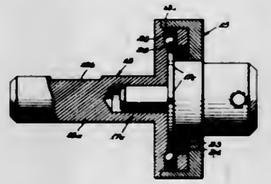
1. A toy railroad car comprising a chassis, a dump body having a bottom wall, end walls fixedly secured to the bottom wall, a side wall fixedly secured to the end walls and the bottom wall, and a side wall pivoted to the end walls adjacent an edge thereof and below the level of the bottom wall, means pivoting the end walls of the dump body to the chassis to swing about a horizontal axis above the level of the bottom walls and adjacent the pivoted side wall, a toothed sector carried by the pivoted side wall to turn about the pivot thereof, and a chassis carried, toothed sector concentric about the chassis pivot and in mesh with the first sector, the sectors acting to hold the pivoted wall vertical to form an upwardly opening 5-sided box when the bottom wall is horizontal and to swing the pivoted wall outwardly and downwardly when the body is raised about its pivot.

2,585,732
COMBINATION AUTOMATIC CLUTCH AND VARIABLE-SPEED TRANSMISSION
Forest F. Braman, Wichita, Kans.
Application April 22, 1947, Serial No. 743,089
1 Claim. (Cl. 74—230.17)



In a combination clutch and variable speed transmission device of the kind described; a drive shaft, a clutch plate rigidly mounted on said drive shaft, a two piece V-belt drive pulley, one piece of the V-belt pulley having a long hub thereon, said hub being revolvably and longitudinally slidably mounted on the said drive shaft, one side of said one piece of the V-belt pulley having a face engageable with the said clutch plate, the second piece of said V-belt drive pulley having a hub as a part thereof, the hub of the second piece of the drive pulley being non-rotatably, but longitudinally slidably mounted on the hub of the first said drive pulley piece, a clutch ring and a supporting block therefor, said supporting block being rigidly carried on the said drive shaft, said clutch ring being movable to and from engagement with the second said piece of the V-belt drive pulley to move the second said piece of the V-belt drive pulley toward the first said piece of the V-belt drive pulley to change the diametrical point of engagement of a V-belt positioned between the two pulley pieces and in turn bind the composite V-belt pulley between the said clutch plate and clutch ring, and centrifugally operated means for moving said clutch ring in the manner stated, and means for resisting the movement of the centrifugally operated means for moving the said clutch ring, said means for resisting the movement of the centrifugally operated means for moving the said clutch ring comprising an element slidably longitudinally on the said drive shaft, and links pivotally connecting between the said longitudinally slidable element and the said centrifugally operated means, a pair of latch levers, one end of each of said latch levers being pivotally attached to the said longitudinally slidable element, the other ends of the latch levers having a spring connected to and tensioned therebetween, a latch block, said latch block being rigidly carried on one end of the said drive shaft, said latch block having outwardly projecting and diametrically disposed projections thereon, said latch levers having notches therein to receive the said projections, said latch levers being releasable from the said latch block by means of centrifugal force operating against the tension of said spring to release the first said centrifugally operated means for the quick movement of the said clutch ring for the operation thereof, as aforestated.

2,585,733
TOOL-HOLDER ASSEMBLY
Stanford P. Bruce, Detroit, Mich., assignor to Wheel Trueing Tool Company, Detroit, Mich., a corporation of Michigan
Application October 26, 1948, Serial No. 56,499
1 Claim. (Cl. 125—11)



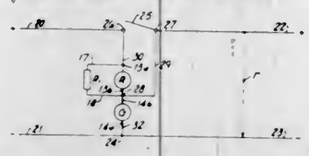
In a supporting assembly for a pointed tool for use in the dressing of rotary work such as grinding wheels and the like, a holder having an axial pilot bore, an adapter having at one end a pilot rotatably journaled in said bore and having at its other and free end means for receiving and lockingly holding a pointed tool in substantially axial alignment with said bore, said adapter including a radially extending flange between its said end and at substantially right angles to said pilot, radially disposed peripheral notches on said flange, rotary index control mechanism between the periphery of said flange and said holder comprising a radially urged resilient element carried by said holder for cooperation with the radial notches of said flange, resilient thrust resisting means in cooperation with a radial face of said flange between said flange and said tool receiving end of the adapter, and clamping means disposed on the tool receiving end of said adapter holding said resilient thrust means in effective cooperation with the radial flange on said adapter.

2,585,734

LEAKAGE INDICATOR AND PROTECTIVE EQUIPMENT FOR DIRECT CURRENT DISTRIBUTING CIRCUITS

Fred J. Bucher, Library, Pa.

Application January 2, 1948, Serial No. 218
9 Claims. (Cl. 177—311)



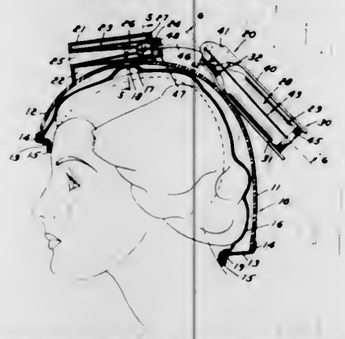
1. An electrical detector protective system for direct current ground return circuits, comprising a line for supplying positive potential from a source of supply, a ground return, a feeder, feeder switch means connected at one end to said line and connected at its other end to said feeder to supply positive potential to a load connected between the feeder and the ground return when the feeder switch means is closed, a detector resistance means having an intermediate and two end terminals, one of said end terminals connected to the line side of said switch means, the other end terminal connected to the ground return and the intermediate terminal connected to the feeder side of said feeder switch means, the resistance from the intermediate terminal to the line side of the feeder switch means being selected to approximate the permissible leakage from the feeder to the ground return.

2,585,735

HAIR DRIER

Albert L. Bunting, Dearborn, Mich., assignor to Speedryer, Inc., Detroit, Mich., a corporation of Michigan

Application February 12, 1951, Serial No. 210,590
12 Claims. (Cl. 34—99)



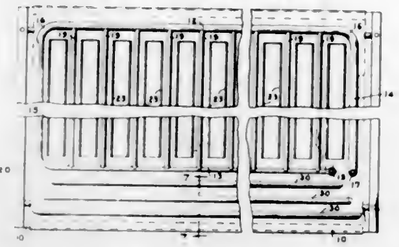
1. Apparatus for drying hair comprising a cap having a part adapted to be placed on the head of a user over the hair to be dried, an air outlet in the upper portion of the cap communicating with the space between said part and scalp of the user, an air inlet in the cap positioned to communicate with the space between said part and scalp of the user at a point spaced from the air outlet, means carried by the cap for forcibly drawing air into said space through the inlet and for expelling the air through the outlet, said means including a passage having a restricted throat and having a suction chamber at the entrant end of the throat communicating with the air outlet in the cap, a source of gas under pressure carried by the cap, and means for directing gas from the source through the suction chamber and into the entrant end of said throat.

2,585,736

HEAT EXCHANGE UNIT HAVING A TROUGH

Lauren R. Burr, Lansing, Mich., assignor to Kold-Hold Manufacturing Company, Lansing, Mich., a corporation of Michigan

Application March 24, 1948, Serial No. 16,642
2 Claims. (Cl. 62—103)



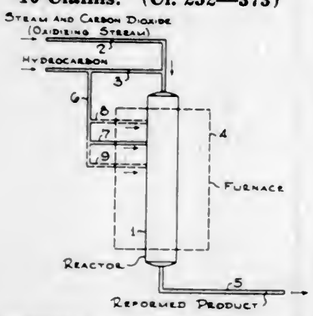
1. A heat exchange unit comprising sheet metal plates secured together in face to face relationship and having portions cooperating with one another to form a circuitous passage between the plates, and upwardly opening moisture retaining troughs struck outwardly from one of the plates below the passages, said troughs being spaced one above the other and progressively increasing in length from the uppermost trough to the lowermost trough whereby the overflow from one trough is collected by the next adjacent lowermost trough.

2,585,737

CATALYTIC REFORMING PROCESS

Clifford Le Roy Carpenter, Brooklyn, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

Application October 21, 1948, Serial No. 55,674
10 Claims. (Cl. 252—373)



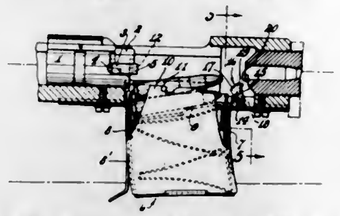
1. An improved continuous process for the preparation of a gaseous product comprising hydrogen and carbon monoxide which comprises continuously maintaining a reaction zone containing a reforming catalyst comprising an eighth group metal at a temperature in the range between about 1300° F. and 2000° F., continuously introducing into one extreme end of said zone a stream comprising a normally gaseous hydrocarbon and an oxidizing gas comprising stream and capable of reacting endothermically with said hydrocarbon in the presence of said catalyst at the aforesaid temperature, introducing at least one further portion of said hydrocarbon into said zone at the side thereof at a point downstream from where the stream of hydrocarbon and oxidizing gas is introduced and in a region where the temperature is in excess of that prevailing at said extreme end, the amount of oxidizing gas in the feed stream being in substantial excess of the amount required for conversion to carbon monoxide and hydrogen of the total amount of hydrocarbon feed whereby both portions of the hydrocarbon feed react endothermically with the oxidizing gas and the tendency of the reaction to deposit carbonaceous material on the catalyst is repressed, and continuously recovering the gaseous product from adjacent the other extreme end of the reaction zone.

2,585,738

CARTRIDGE GUIDE DEVICE FOR REPEATING FIREARMS

Ellis Warren Chapin, Chicopee Falls, and Louis Elkas, West Springfield, Mass., assignors to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware

Application December 13, 1949, Serial No. 132,762
1 Claim. (Cl. 42—18)



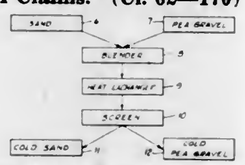
In a bolt action repeating rifle, a receiver having an elongated opening in the lower wall thereof to receive a box type magazine in said opening, a firing chamber spaced forwardly and upwardly from the front edge of said opening, a bolt of the front locking type reciprocable in the receiver and rotatable over said opening in its forward position to lock the bolt in the receiver, said receiver at the front edge of said opening having a slot extending forwardly from the opening below said firing chamber, a magazine spring clip anchored to said receiver in front of said slot and extending rearwardly to cover the slot and downwardly at the front edge of said opening, a cartridge guide mounted on said clip projecting upwardly through said slot with its upper portion adjacent said firing chamber, said guide comprising a rocker member, a pivotal connection between said spring clip and rocker member and a rocker spring urging said member to a rearward upright position, said rocker having an inclined upper surface for engaging the nose of a cartridge urged forwardly by said bolt and directing said nose into the opening of the firing chamber, said rocker being forwardly pivotable by said bolt to a forward position under the opening of said firing chamber, said bolt having an extractor slot and an extractor arm at the forward side edge thereof rotatable against said rocker with said extractor slot having a beveled corner edge for contact with said rocker during rotation of said bolt into and out of locked position.

2,585,739

COOLING OFF OF SAND AND GRAVEL

Joseph D. Christian, San Francisco, Calif.

Application March 29, 1950, Serial No. 152,719
4 Claims. (Cl. 62—170)



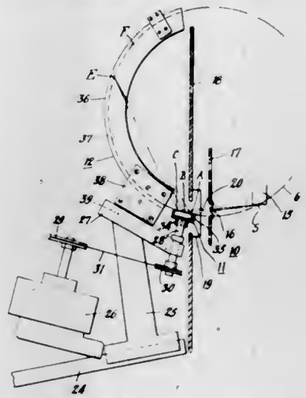
1. A process for pre-cooling concrete constituents comprising mixing a pea gravel fraction and a sand fraction to provide a homogeneous mass, cooling said mass to a desired temperature by passing the mass over a cooled heat exchange surface, and separating the cold pea gravel fraction from the cold sand fraction.

2,585,740

FAST X-RAY DIFFRACTION CAMERA

Howard H. Claassen and Karl E. Beu, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application March 2, 1946, Serial No. 651,511
9 Claims. (Cl. 250—53)



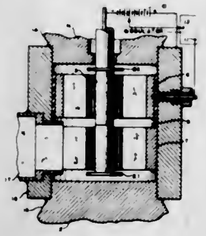
1. In a focusing, diffraction camera, a source of X-rays, a rotary support, a sample on said support, said sample being provided with a concave spherical surface, a receiver for rays diffracted from said sample; the surface of said sample, said receiver and said source all being located substantially on a focusing circle, the axis of said rotary support being substantially coincident with a diameter of said spherical surface.

2,585,741

MAGNETRON HAVING MODULATING MEANS

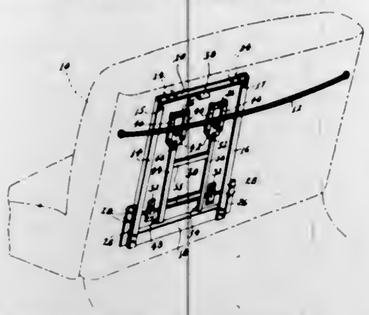
Albert M. Clogston, Melrose, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application November 6, 1945, Serial No. 627,039
6 Claims. (Cl. 315—40)



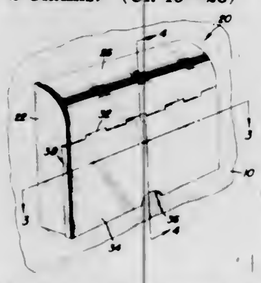
1. A magnetron comprising a cylindrical cathode with an electron-emitting coating on the outer surface of said cathode, a control element surrounding said cathode, said control element being coaxially mounted with respect to said cathode and forming an interaction space between said cathode and said control element, and a multiresonator anode coaxially mounted with the continuation of the axis of said cathode and axially displaced from said cathode and said control element, so that said anode surrounds no portion of the cathode.

2,585,742
COLLAPSIBLE TABLE MOUNTABLE ON AUTOMOBILE SEAT
James E. Condon, Roxbury, Mass.
Application September 23, 1950, Serial No. 186,403
4 Claims. (Cl. 311—21)



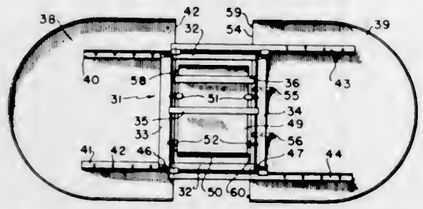
1. A collapsible table comprising a generally rectangular frame having oppositely disposed channel elements extending in parallelism along opposite sides of the frame and having abutment means at the upper and at the lower end portions of said channel elements, a rigid transverse member extending between said channel elements with its opposite ends slidably engaged in said channels, whereby said rigid member is movable along the channels between said upper and lower abutment means, a rigid sheet member hingedly connected to the upper edge of said rigid transverse member, said sheet member, when in the general plane of said channels being movable into said channels with movement of said rigid transverse member toward the said lower abutment means, and being swingable about said hinged connection when said rigid transverse member is stopped against said upper abutment means, guide means on said sheet member, a sliding member movable along said guide means, a strut element having one edge hingedly connected to said sliding member and its other end hingedly connected to the lower edge of said rigid transverse member, whereby the sliding member moves in one direction along said guide means when said sheet member is swung from its position in the general plane of said channels toward a predetermined angularly related plane, and an adjustable stop for stopping said movement of the sliding member when said sheet element is in said predetermined angularly related plane.

2,585,743
SOAP HOLDER COVER
Charles M. Cooper, Jr., Henderson, N. C.
Application December 27, 1949, Serial No. 135,190
2 Claims. (Cl. 45—28)



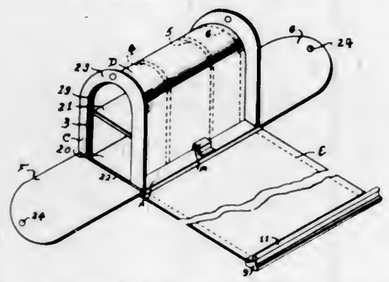
1. In combination with a soap holder adapted to be inserted in a recess in a wall and having a peripheral attaching flange, a cover including side walls and a front wall interconnecting the upper portions of said side walls, the rear free edges of said front and side walls including inwardly extending lateral flanges engaged over the peripheral flange of said soap holder and adapted to bear against the wall about the recess, spaced open ended notches through the free edges of said inwardly extending lateral flanges, headed screws extending through said notches and said soap holder flange and adapted to engage the wall, and a door hinged for vertical movement upon the front edge of said front wall, the free edge of said door extending beyond the soap holder.

2,585,744
EXTENSION TABLE WITH ELEVATING METAL SLIDES THEREFOR
Joseph Cooper, Forest Hills, N. Y.
Application August 18, 1950, Serial No. 180,123
1 Claim. (Cl. 311—48)



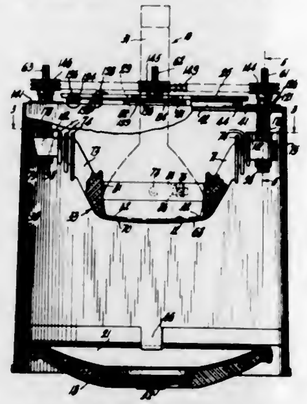
In extension tables the combination comprising a pair of spaced members and a pair of spaced bars secured to said members and extending transversely thereof so as to form a rigid rectangular frame, two pairs of spaced slides on and adapted to co-act with said members by sliding movement, each pair of said slides supporting a horizontal table top section, a pair of sectional leaf members, cam means for slidably and pivotally supporting said leaf members on said bars, means for limiting the relative sliding movement of the frame with respect to a first pair of said slides, and stop means fixed with respect to the second pair of the slides and cooperable with the frame for moving the latter in a direction away from the table top section supported by said first pair of slides when the second pair of slides is moved outwardly in said direction.

2,585,745
TRAVELING BAG HAVING INDEPENDENTLY ACCESSIBLE COMPARTMENTS
Kenneth L. Crosby, Valdosta, Ga.
Application June 8, 1948, Serial No. 31,635
3 Claims. (Cl. 190—52)



3. An improved travelling bag comprising a base, a hollow open ended form resting upon the base and extending upwardly therefrom, said form being of considerably less width than the base, a flexible cover secured at one end to one side of the base and extending over and completely loosely covering the form and having its opposite end detachably secured to the other side of the base, means at each end of the base closing the open ends of the form, one of said closure means being movable to provide entry into the form, and a carrying handle secured to the outer face of the flexible cover intermediate the ends thereof.

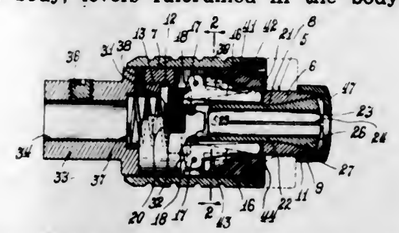
2,585,746
ADJUSTABLE SCHMIDT TELEVISION PROJECTOR MOUNTING
Lewis H. Davis, Wayne, Pa., and George H. Blaker, Moorestown, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application September 29, 1948, Serial No. 51,774
3 Claims. (Cl. 177—319)



1. A projector for projecting the luminous image produced at the substantially spherical face of a cathode ray tube comprising; an optical light receiving element having a substantially spherical surface, an aspheric correcting plate to receive light reflected from said substantially spherical surface, a supporting member for said correcting plate, a tube holder having means to support the cathode ray tube by engagement with its substantially spherical face, a plurality of rods extending from said supporting member for said correcting plate for carrying said tube holder, said rods having an extensible screw threaded connection with said supporting member to provide for axial adjustment of the position of said tube face, means for operating said screw threaded connections simultaneously, and means for positioning said substantially spherical surface of said light receiving member in a desired location with respect to said aspheric correcting plate.

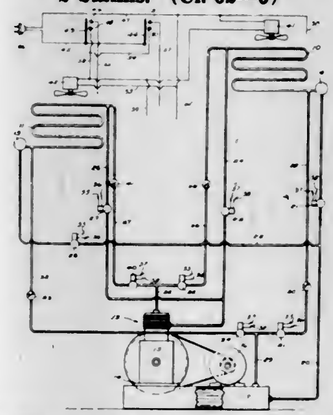
2,585,747
COLLET CHUCK
Berthold Denzler, Chicago, Ill., assignor of one-half to Filip Brandhandler, Chicago, Ill.
Application April 12, 1949, Serial No. 87,007
1 Claim. (Cl. 279—51)

In a collet chuck the combination of a chuck body for attachment to a driving spindle, a collet mounted in said body, means to prevent rotation of the collet relative to the body, a collar rotatable in said body threaded onto one end of the collet, cooperating means on the body and on the other end of the collet effective to contract the collet when the latter is moved inwardly with relation to the body, an axially movable sleeve including an internal cam surface mounted on said body, levers fulcrumed in the body, said



levers cooperating with the internal cam surface and with the collar to move the sleeve inwardly relative to the body, and the body and sleeve having aligned openings to admit access to the collar for adjusting the collar on the collet.

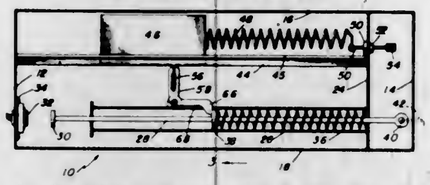
2,585,748
AIR-COOLING AND HEATING APPARATUS
Salvatore De Silvestro, Miami, Fla.
Application October 6, 1948, Serial No. 53,063
2 Claims. (Cl. 62—6)



1. A closed circuit cooling and heating system employing a circulating refrigerant, including a motor actuated compressor and a fluid receiver, a combined cooling and heating tubular coil and a combined condenser and evaporator tubular coil, expansion valves communicating with the lower run of each coil, a fluid conducting tube from the receiver to the expansion valve of the first named coil, a fluid conducting tube from the receiver to the expansion valve of the second named coil, solenoid controlled valves in each of the tubes, fluid conducting tubes from the upper run of each coil to the inlet side of the compressor, solenoid valves arranged in the last named tubes, gaseous conducting tubes from the compressor to the upper runs of each coil, solenoid controlled valves arranged in the last named tubes, check valves arranged in the last named tubes, fluid return tubes leading from the lower runs of the coils to the receiver, solenoid controlled valves positioned in the last named tubes, check valves positioned in the last named tubes, said solenoid valves alternately controllable in groups, a pair of thermostatic switches for controlling each group of valves, one group of solenoid valves causing a flow of the refrigerant through the coils and the compressor for cooling the first named coil and condensing in the second named coil, while the

other group of solenoid valves causes a flow of the refrigerant for condensing in the first named coil and evaporating in the second named coil, blower fans for directing an air current across the coils, said fans and said compressor caused to operate upon actuation of either group of solenoid valves.

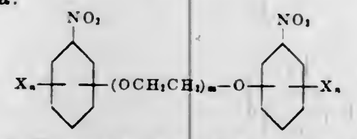
2,585,749
IGNITION CONTROL MECHANISM
Nicholas V. Di Lorenzo and Francis A. Di Lorenzo, Chatham, N. Y.
Application January 19, 1951, Serial No. 206,853
7 Claims. (Cl. 200—52)



1. An ignition control mechanism comprising a casing, a guideway secured in said casing, a mass slidably mounted on said casing, spring means secured to said mass restraining said mass from moving toward one end of said casing, a tubular member in said casing, a rod coaxial with said member slidable relative to said member, a stop on said rod, spring means biasing said rod toward one end of said casing, a latch member depending from said mass engageable with said stop to prevent said last-recited spring means from urging said rod toward said one end of said casing, and a switch on said one end of said casing adapted to be actuated by said rod.

2,585,750
ETHER-PLASTICIZED COMPOSITIONS
George L. Doelling, St. Louis, and Kenneth H. Adams, Fenton, Mo., assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo., a corporation of Missouri
No Drawing. Application March 16, 1950, Serial No. 150,107
19 Claims. (Cl. 260—33.2)

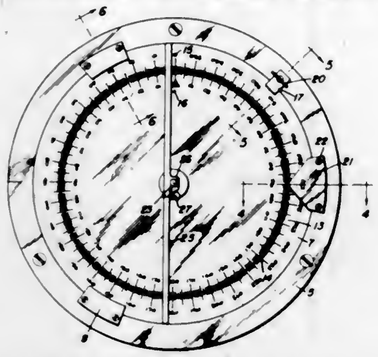
1. A plasticized composition comprising a plasticizable organic substance selected from the group consisting of cellulose esters, phenol-formaldehyde resins and vinyl resins, and as a plasticizer therefor, a compound having the formula:



in which X represents a halogen selected from the group consisting of chlorine and bromine, *m* is an integer greater than three and less than thirty, *n* is an integer including zero and not greater than three, and in which any hydrogen atom in the phenyl nuclei may be substituted by a lower alkyl group.

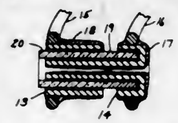
2,585,751
NAVIGATING INSTRUMENT
Walter J. Donnelly, Baldwin, N. Y.
Application February 16, 1948, Serial No. 8,568
4 Claims. (Cl. 33—72)

1. A navigating instrument comprising a flat stationary member and a flat rotatable member positioned centrally in confronting relation one upon the other, a scale on one member and a pointer on the other member coacting with the scale, said stationary member forming an attaching plate for securing either under or on top of a supporting structure to expose the scale and pointer in either an upwardly or downwardly



facing position, and a tightening device including a perpendicular handle having one end secured to the center of the rotatable member, a sighting bar having front and rear sights, and means reversibly securing the sighting bar in position on the handle to maintain the front and rear sights uppermost in accordance with the reversal of the instrument.

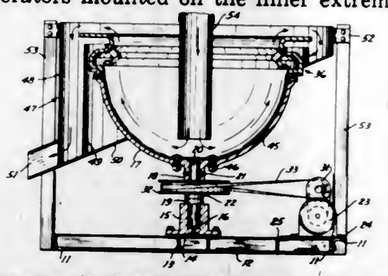
2,585,752
PRODUCTION OF DISCONTINUOUS, CONDUCTING COATINGS UPON INSULATING SURFACES
Stanley O. Dorst, North Adams, Mass., assignor to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application May 26, 1948, Serial No. 29,317
6 Claims. (Cl. 29—25.42)



1. A process for producing discontinuous, conducting coatings upon the surfaces of insulating bodies, which comprises providing the entire surface of the insulating body with a thin layer of a metal of the class consisting of silver, platinum and palladium masking portions of said layer with an insulating coating, electroplating the exposed portions of said layer with a conducting metal of the class consisting of copper, nickel, cadmium, lead and tin, removing the insulating coating, and dipping the entire surface in a bath of molten solder composed of an alloy of at least two metals selected from the group consisting of lead, tin, bismuth, zinc, copper, silver and cadmium, until the newly exposed portions of the thin layer have been dissolved by the solder.

2,585,753
CENTRIFUGAL SEPARATOR
Herbert R. Drury, Waite Hill, Ohio
Application November 30, 1948, Serial No. 62,750
4 Claims. (Cl. 233—27)

1. A centrifugal separator comprising a substantially hemispherical bowl having a smooth renewable liner, means for rotating said bowl about a vertical axis, a circumferential concentrating pocket mounted on the rim of said bowl and opening inwardly thereof, said pocket having upper and lower horizontal walls and a circumferential wall positioned outwardly of the rim of the bowl, the upper wall extending inwardly of the rim of the bowl, and a plurality of accelerators mounted on the inner extremity of



the upper wall of said pocket and positioned adjacent the mouth of the pocket, said accelerators having a portion extending downwardly and outwardly toward the mouth of the pocket whereby material moving upwardly along the internal wall of said bowl will be interrupted and directed into said pocket.

2,585,754
TOY TRAIN AND TRACK
Milton S. Dunkelberger, Dayton, Ohio
Application April 10, 1947, Serial No. 740,573
2 Claims. (Cl. 46—216)



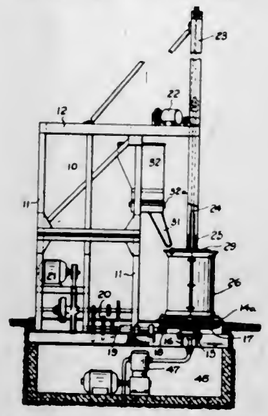
1. In a manually actuated amusement device of the class described, a table, means for tiltably supporting the table for gyratory movement in response to manual tilting, continuous track means on said table having both straight portions and curved portions, a plurality of cars supported for rolling movement on said track means, and a coupler element carried by each end of each car, certain of said coupler elements comprising a loop coupler and other of said coupler elements comprising a complementary gravity actuated pivoted hook coupler, the center of gravity of each hook coupler being arranged to move past the pivot point thereof so as to cause said hook coupler to be gravitationally held either in loop engaging position or out of loop engaging position.

2,585,755
POISONS FOR DESTROYING INSECTS SELECTIVELY BY THE USE OF ALKALI-SOLUBLE COATINGS ON SAID POISONS
Franz Duspiva, Tutzing, Oberbayern, Germany, assignor to Pest Control Limited, Bourn, England, a British company
No Drawing. Application December 18, 1950, Serial No. 201,491. In Great Britain December 14, 1949
8 Claims. (Cl. 167—42)

1. A poison for destroying insects which comprises particles of a highly chlorinated hydrocarbon stomach insecticide coated with alginic acid.

2. A poison for destroying insects which comprises particles of a highly chlorinated hydrocarbon stomach insecticide coated with cellulose-acetate-hydrogen-phthalate.

2,585,756
METHOD AND APPARATUS FOR FORMING CONCRETE PIPES
Hector X. Eschenbrenner, Columbus, Ohio
Application August 11, 1947, Serial No. 767,928
3 Claims. (Cl. 25—30)

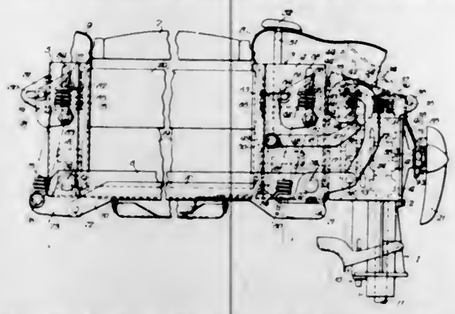


1. In a concrete pipe-forming machine; a substantially horizontally disposed rotary turntable; a vertically arranged cylindrical outer form carried for rotation with said turntable; a socket member positioned axially of said turntable; a vertically arranged cylindrical inner core formed with a perforate side wall and a substantially enclosed inner chamber in communication with the perforations of the side wall; means connected with the upper end of said core for moving the latter axially of said outer form, said core being movable to a position of spaced concentricity with respect to said outer form and defining therewith an annular pipe-forming chamber for the reception of a cementitious mix; conduit means projecting axially outwardly from the lower end of said core and communicating with the inner chamber thereof, said conduit means being receivable within said socket member when said core occupies its position of concentricity with respect to said outer form; and vacuum-producing means communicating with said socket member and operable to establish subatmospheric pressures within the inner chamber of said core upon engagement of said conduit means and said socket member whereby to draw off excess fluids present in a cementitious mix positioned in said pipe-forming chamber adjacent the perforate side wall of said core first inwardly of the chamber of said core and then outwardly through said conduit means.

2,585,757
WRINGER
Nicholas L. Etten, Waterloo, Iowa, assignor to Chamberlain Corporation, Waterloo, Iowa, a corporation of Iowa
Application August 11, 1945, Serial No. 610,235
4 Claims. (Cl. 68—253)

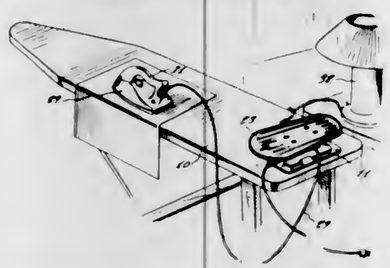
1. In a wringer, frame means including a fixed top bar, separable rolls therein, pressure mechanism for said rolls, drive means to actuate said rolls, clutch means between the rolls and said drive means, a pivoted arm controlling said clutch means, spring means biasing said arm toward released position to disengage said clutch means, lock means controlled by said arm to lock said clutch means in disengaged position when said arm is released, a rotary disk carried by said frame means, link means connecting said disk

with said pressure mechanism, latch means engageable with said disk to hold the same against release in pressure applying position, means car-



ried by said disk to bear against said arm and hold the same in clutch engaging position, and means to disengage said latch means.

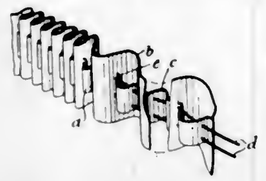
2,585,758
ELECTRIC IRON HOLDER
Odd Fjermestad, Brooklyn, N. Y.
Application June 4, 1949, Serial No. 97,166
1 Claim. (Cl. 38—107)



An electric iron holder comprising a base adapted to be attached to an ironing board, and having at least three struck-up portions, a bottom insulating portion removably received by the said struck-up portions of the base, separable insulating blocks secured to the insulating bottom portion, an iron receiving portion adapted to support an electric iron and secured to the said insulating blocks, said separable insulating blocks having openings therein, an electric socket fitted within said openings of the insulating blocks and having a plurality of outlets, one of said outlets receiving the electric plug of an ironing cord, a cable extending through the separable insulating blocks for supplying current to the electric socket therewithin.

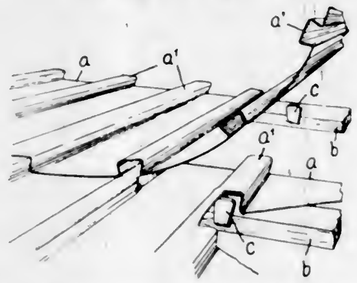
2,585,759
CURTAIN HEADING TAPE
George Frederick French and Roger French, Manchester, England
Application September 28, 1949, Serial No. 118,218
In Great Britain October 4, 1948
3 Claims. (Cl. 139—387)

1. A curtain heading tape comprising a main tape and at least one second and narrower tape joined to the main tape at intervals by interweaving to form hook tubes arranged at spaced intervals on the front and back faces of the main tape with the ends of each such hook tube on one side of the main tape contiguous with the ends of the hook tubes on the other side thereof in alternate relation and with at least one draw cord passing backwards and forwards through the main tape and, immediately after each such passage, at least once through the front of one such hook tube, all hook tubes on one side of the



main tape being pierced symmetrically by said draw cord and all hook tubes on the other side of the main tape being pierced equally symmetrically by said draw cord.

2,585,760
ROOF AND WALL COVERING
Josef Furrer, Altdorf, Switzerland
Application September 7, 1948, Serial No. 48,092
In Switzerland March 4, 1947
1 Claim. (Cl. 108—13)



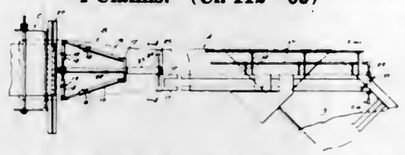
A roof- or wall-covering construction comprising a plurality of covering sheets with the longitudinal edges of adjacent sheets in overlapping relationship, a plurality of laths for supporting said sheets and extending longitudinally thereof and being spaced apart at a distance less than the width of said sheets, said sheets being provided with transversely-extending, substantially equally spaced parallel hollow ribs of a downwardly tapering profile, and the said laths being provided with spaced upstanding attachment tongues substantially corresponding in shape and size with the cross sectional profile of said hollow ribs, said tongues being spaced apart at the same distance as that between said ribs, whereby successive sheets may be readily laid by unrolling and during such unrolling are clipped on the one hand onto the previously laid sheet by the interengagement of the respective ribs thereof and on the other hand onto the tongues of the next succeeding lath, so that a nailless securing of the covering sheets to their supporting structure is realized.

2,585,761
ELECTRIC GLASS MELTING PROCESS
Robert Gallois, Paris, France
No Drawing. Application December 27, 1948, Serial No. 67,581. In France January 13, 1948
2 Claims. (Cl. 13—34)

1. A method for transforming a glass batch into fused and refined glass which comprises: first, heating said batch by electrical resistances until its electrical conductivity is located between $10^{-6}ohm^{-1}cm.^{-1}$ and $10^{-3}ohm^{-1}cm.^{-1}$, these limits

corresponding to temperatures of about 400 and 600 degrees C. for ordinary soda lime glass batches, then heating said batch by Joule effect in its mass up to the point where the endothermic reactions of its components on one another are completed, said mass then acting as an electrical resistance and becoming coherent, and after these two preliminary heating stages, melting the glass batch and refining the glass thus fused.

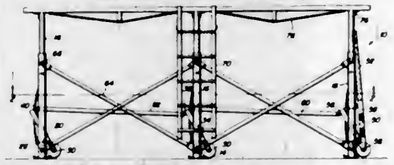
2,585,762
MACHINE FOR MAKING SPIRAL BAGS
Percy Gardner, New York, N. Y., assignor to Spiral Bagging Machine Corporation, New York, N. Y., a corporation of New York
Application October 2, 1947, Serial No. 777,493
4 Claims. (Cl. 112—63)



1. In a device of the class described, a mandrel comprising a plurality of parallel elements over which material is adapted to pass to form a tube, a sewing means on one side of said elements, means to adjust at least one of said elements laterally in a substantially horizontal direction to shift the center of the tube and to increase its circumference without substantially lowering the center thereof, a tube spreader device on the end of the mandrel normally in line with the axis of the tube, and laterally adjustable means to adjust the spreader device on the end of the mandrel to aline it will the axis of the tube as the position of the center of the tube is changed.

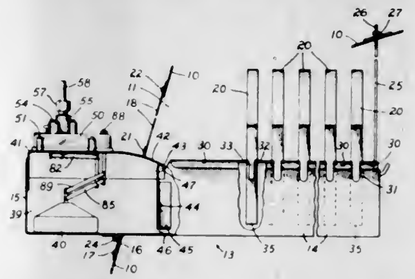
4. In a device of the class described, a mandrel over which a web or sheet of material is spirally drawn, said mandrel comprising a plurality of parallel elements, at least one of said elements being fixed, and means laterally adjusting at least one of said elements, a source of supply of material being positioned at one side of said mandrel, the mandrel elements at the side opposite the source of supply being positioned at a distance from the fixed element greater than the distance from the fixed element to any element on the same side of the mandrel as the source of supply.

2,585,763
PORTABLE SCAFFOLD
Leonard C. Gasner and Claude M. Page, Chicago, Ill.; said Page assignor to said Gasner
Application June 17, 1948, Serial No. 33,476
1 Claim. (Cl. 280—44)



In a portable scaffold having an elongated platform, a frame carrying said platform and including vertically adjustable first and second end supports and a vertically adjustable central support, a transverse rod pivoted upon each of said supports, a tubular bracket secured to each rod, said bracket having an upper end with an axial slot therethrough and a lower end, a wheel having an axle rotatably supported on said lower end of said bracket, a short link secured in the slot of each of said brackets and extending laterally therefrom, a first longitudinal bar terminally pivoted to the short links carried by the brackets associated with the first end and central supports, a second longitudinal link terminally pivoted to the short links carried by the brackets associated with the central and second end supports, an elongated handle having a lower end rotatable on one of said end wheel axles, and a flexible connection secured between said handle and the short link on the bracket supporting said one end wheel whereby manual operation of said handle will urge all the wheels in unison to engage the ground and raise the supports therefrom.

2,585,764
HUMIDIFIER FOR THE HOT-AIR CHAMBERS OF AIR-HEATING SYSTEMS
Delmond L. Getz, Springfield, Ohio, assignor to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio
Application September 30, 1947, Serial No. 776,968
9 Claims. (Cl. 126—113)

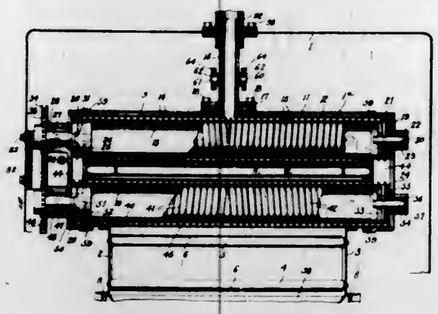


1. A humidifier of the character described for use in conjunction with a hot air chamber of a hot air heating system, comprising a pan, means for mounting said pan with a portion thereof extending interiorly of said hot air chamber and with another portion extending exteriorly of said hot air chamber, a generally upright partition extending transversely within said pan to define a float chamber in said exterior pan portion, said partition having a passage in the lower part thereof for flow of liquid from said float chamber to said interior pan portion, a cover for said exterior pan portion adapted to extend within said hot air chamber in overhanging spaced relation with the upper edge of said partition to form therewith a passage providing open communication between said float chamber and said hot air chamber to prevent differences in pressure between said chambers while shielding said float chamber from air currents circulating within said hot air chamber, means mounted on said cover for connecting said exterior pan portion with a source of liquid for evaporation, and means sensitive to the level of liquid in said exterior pan portion and including a float in said float chamber for controlling the passage of liquid through said connecting means.

2,585,765
CONFECTION ENROBER APPARATUS
Max M. Guggenheim, New York, N. Y., assignor to National Equipment Corporation, New York, N. Y., a corporation of New York
Application August 26, 1949, Serial No. 112,495
2 Claims. (Cl. 118—20)

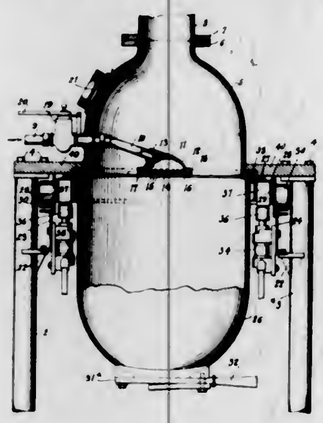
1. In an enrober, a movable, perforate conveyor, a tempering unit mounted above the con-

veyor and being provided with at least one slot-like outlet from which a curtain of coating material descends to fall upon objects carried by the conveyor below the slot-like outlet, a pair of spaced rollers below the conveyor and below the slot, a closure member in the form of a rod lo-



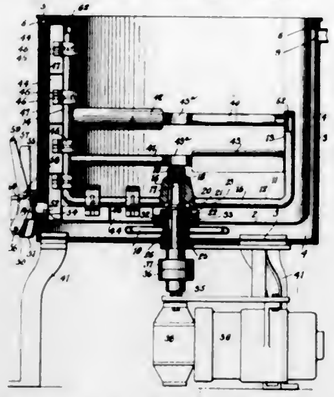
cated between and below the rollers, said rod having a flat upper face, and means for rotatively adjusting said rod to regulate the angular position of the flat face thereof relatively to the rollers to thereby control the outflow of coating material from the space between the rollers.

2,585,766
CREAM COOLER
Max M. Guggenheim, New York, N. Y., assignor to National Equipment Corporation, New York, N. Y., a corporation of New York
Application September 16, 1948, Serial No. 49,540
4 Claims. (Cl. 107—7)



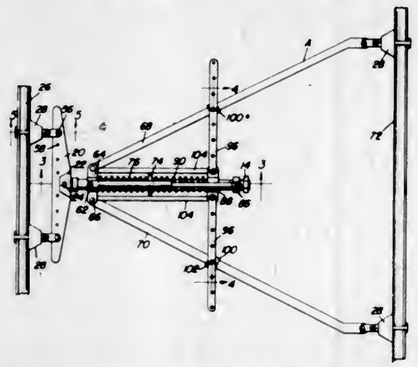
1. In a machine of the character described, a supporting frame, horizontal rails supported by said frame, a kettle movably supported on said rails, a chamber supported above the rails, said chamber having an open lower end, sealing means provided around the lower end of the chamber, means for elevating said kettle from the rails to bring the upper end of the kettle into contact with said sealing means and thereby close the lower end of the chamber and cause the kettle and chamber to cooperate in forming a vacuum chamber, a delivery pipe leading into the chamber above the kettle, said pipe having a foraminous outlet directed toward the kettle, whereby fondant will be suctionally drawn through said outlet by the vacuum exerted in the chamber and will fall down into the kettle.

2,585,767
KETTLE
Max M. Guggenheim and Robert Lincoln Greenberg, New York, N. Y., assignors to National Equipment Corporation, New York, N. Y., a corporation of New York
Application June 30, 1950, Serial No. 171,266
7 Claims. (Cl. 259—108)



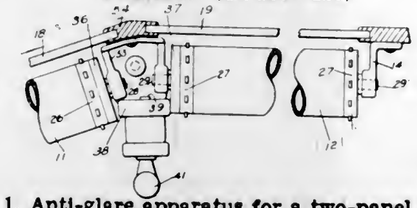
1. In a kettle of the character described, a kettle body having a central bearing, a shaft rotative in said bearing, means located below the kettle body for rotating said shaft, passages provided in the bearing, a rotor carried by the shaft and having a grooved under face, means on said rotor for directing fluid material from within the kettle body into the grooves in the rotor and through the passages in the bearing to thereby lubricate the shaft and bearing by such material, the passages in the bearing carrying said material back into the kettle, and an agitator carried on said shaft and rotative within the kettle.

2,585,768
SHOCK ABSORBING TOW BAR
James O. Ham, Goldsboro, N. C.
Application June 12, 1950, Serial No. 167,551
5 Claims. (Cl. 280—33.9)



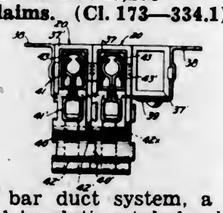
1. A tow bar comprising a shaft, a plate horizontally pivoted to one end of said shaft, means for adjustably clamping said plate to the bumper of a towing vehicle, a first collar slidable on said shaft adjacent its pivoted end, resilient means urging said first collar towards said pivoted end, elongated bars secured at one of their ends to said first collar, means for securing the other ends of said bars to the bumper of a towed vehicle in vertically adjusted position, a second collar slidable on said shaft adjacent its free end, means for adjustably retaining the intermediate portions of said bars on said second collar, resilient means urging said second collar towards said free end of said shaft, and shock-absorbing means mounted on said shaft, said shock-absorbing means including a cylinder secured at one of its ends to said first collar and a piston slidable in said cylinder and adjustably secured at its outer end to the free end of said shaft.

2,585,769
WINDSHIELD VISOR
Lewis W. Hamlin, Owosso, Mich.
Application September 22, 1948, Serial No. 50,561
2 Claims. (Cl. 160—120)



1. Anti-glare apparatus for a two-panel windshield, said apparatus comprising a plurality of translucent screens, one for each panel of the windshield, and common driving means including a single drive gear shiftable to either of two operating positions for operating said screens selectively.

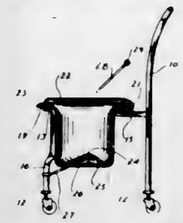
2,585,770
POLARIZED POWER TAKE-OFF FOR BUS DUCT SYSTEMS
Herman J. Hammerly, Plainville, Conn., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Original application October 16, 1947, Serial No. 780,212. Divided and this application September 14, 1948, Serial No. 49,176
3 Claims. (Cl. 173—334.1)



1. In a bus bar duct system, a plurality of discrete parallel, insulating, tubular, bus bar ducts with openings therein, arranged in groups, one opening in each group being offset laterally with respect to an adjacent opening of said group, a channel-like bus bar enclosed in each duct and accessible through the respective openings and a plurality of discrete branch connector plug devices slidably interconnected to each other and having contact prong elements for detachable connection to the bus bars in said ducts through said openings.

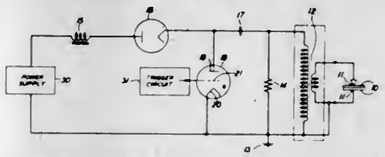
2,585,771
COMBINED HOSPITAL CHAIR AND PAIL
George W. Harris, New Rochelle, N. Y.
Application November 18, 1949, Serial No. 128,067
2 Claims. (Cl. 4—134)

1. In combination, a chair support including a ring seat portion, a pail having a flange and adapted to be extended through the ring seat portion to be supported by its flange within the ring seat portion, said pail having an anti-splash bottom providing for a bottom surface depression, a guide member fixed to the chair support and adapted to enter the bottom sur-



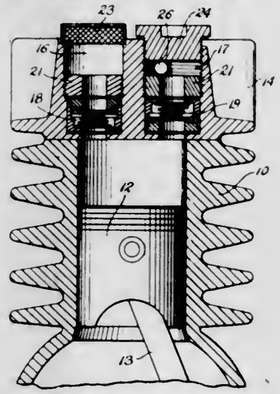
face depression to keep the pail from turning upon the ring seat portion.

2,585,772
METHOD AND CIRCUIT FOR PULSATION WELDING
Andrew D. Hasley, Basking Ridge, and Frank H. Hibbard, Mountain Lakes, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 18, 1949, Serial No. 99,896
5 Claims. (Cl. 219—10)



1. In resistance spot welding of small metal parts, the method of utilizing the drop in resistance in the weld to prevent burning of the weld, said method comprising subjecting said parts to a continuous welding pressure and to a plurality of pulses of welding current, each of said pulses being of insufficient energy singly to make the weld and said pulses being of a duration in the order of microseconds, whereby when the weld is made the drop in resistance of the weld prevents sufficient energy being further delivered to the weld to overheat it.

2,585,773
VALVE
Clarence F. Hartman, Cincinnati, Ohio, assignor to The Campbell-Hausfeld Company, Harrison, Ohio, a corporation of Ohio
Application May 5, 1949, Serial No. 91,440
1 Claim. (Cl. 251—144)



A reversible valve capable of functioning either as an intake or as an exhaust valve, said valve

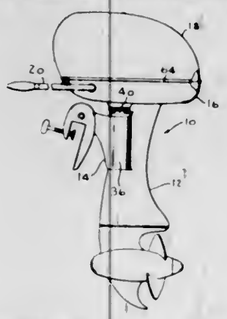
comprising a hollow cylindrical body open at both ends, said cylindrical body having on the inside spaced annular flanges, one of said flanges being adjacent one end of the body, the other flange being near the middle of the body, a hollow cylindrical, open-ended plug in the other end of the body, the outer end of said plug having a flange of smaller diameter than the cylindrical body and abutting the end of said body, the inner end of said plug having a valve seat, a valve disk between the inner end of said plug and the middle flange of the cylindrical body, said valve disk having a solid center engageable with the valve seat and outwardly projecting prongs engageable with said middle flange, and a compression spring seated on the end flange of the body and engaging the valve disk to hold the valve disk against the valve seat, the outer end of the plug and opposite end of the body being flat and perpendicular to the longitudinal axis of the body and plug, whereby the valve may be reversed end for end in the port of a compressor and caused to function either as an intake or as an exhaust valve.

2,585,774

MOUNTING AND ENGINE COVER MOUNTING FOR OUTBOARD MOTORS

Richard C. Heidner and Wilford B. Burkett, Hartford, Wis., assignors to West Bend Aluminum Co., West Bend, Wis., a corporation of Wisconsin

Application May 8, 1950, Serial No. 160,602
10 Claims. (Cl. 115—18)



1. In an outboard motor, a transom mounting including a swivel bracket having a steering column bearing, a power unit support turnable with respect to said bearing, a resilient connection between said support and said bearing to dampen vibration transmission therebetween, an engine cover supporting plate associated with said bearing and rotatable with respect to said power unit support, a tiller secured to said plate, and an engine cover mounted on said plate.

2,585,775

RECOIL AMPLIFIER DEVICE

Aage Frederik Christian Henckel, Hellerup, Denmark

Application July 25, 1946, Serial No. 686,236
In Denmark April 30, 1946
3 Claims. (Cl. 89—14)



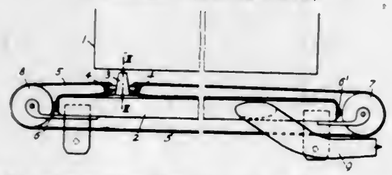
1. In an automatic firearm including a recoil amplifier, a barrel jacket, and a barrel removably locked in said barrel jacket but readily removable therefrom by disengaging the locking means holding said barrel in said barrel jacket, rotating said barrel through an angle with reference to said barrel jacket, and withdrawing said barrel from said firearm by axial movement of said barrel, the combination with said barrel jacket of a recoil amplifier pivotally jointed to said barrel jacket at the forward end thereof, said recoil amplifier being pivoted to said barrel jacket by means of a plurality of pivots positioned adjacent the rearward end of said recoil amplifier so that it may be rotated at an angle with reference to said barrel jacket around said pivots when said barrel is being removed from said barrel jacket and said recoil amplifier, the connection between the end of said barrel positioned within said amplifier being substantially that of one cylinder closely embracing another cylinder, whereby recoil energy is more efficiently communicated from said amplifier to said barrel, and heat is more readily transferred between said last-mentioned members.

2,585,776

METHOD AND DEVICE FOR REMOVING IMPURITIES BY ASPIRATION FROM ROLLERS OF CARDING MACHINES

Václav Heřmánek, Borovnicka, near Dvur Kralove, Czechoslovakia, assignor of seventy-five per cent to Ceskoslovenske Textilni Zavody, Narodni Podnik, Prague, Czechoslovakia

Application January 19, 1950, Serial No. 139,464
In Czechoslovakia May 26, 1949
5 Claims. (Cl. 19—109)



1. An apparatus for removing impurities by aspiration from rollers of a carding machine, comprising in combination: a tube having an axis substantially parallel to that of the roller to be cleaned, a longitudinal slot in the said tube, a nozzle mounted for reciprocal longitudinal movement in the said slot and in open communication with the interior of the said tube, means for imparting reciprocal movement to the said nozzle along the slot in the tube, means for producing vacuum in the interior of the tube and nozzle; and means for sealing the inoperative portions of the slot in the tube.

2,585,777

IONIZING STRUCTURE

Elmer G. Hills, Chicago, Ill., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 1, 1947, Serial No. 731,734
5 Claims. (Cl. 183—7)



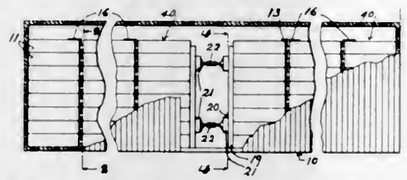
1. An electrical ionizing apparatus including in combination, a gas medium, a cylindrical conducting electrode having relatively small radius, a solid dielectric cylinder having a radius larger than that of said cylindrical electrode and being made of a material having a dielectric constant substantially greater than that of said gas medium, said dielectric cylinder being parallel to said cylindrical electrode and being in contact therewith through substantially the entire length thereof, at least one cooperating conducting electrode spaced from said first conducting electrode and said dielectric cylinder and having a radius of curvature substantially greater than that of said dielectric cylinder, said dielectric cylinder being positioned with respect to said conducting electrodes to provide a free path through said gas medium between said electrodes unobstructed by said dielectric cylinder so that the electrical capacity between said electrodes is not substantially more than that provided by said gas medium, and a high voltage energizing source coupled across said conducting electrodes for applying a voltage thereto having a direct current component and an alternating current component.

2,585,778

LATTICE PANEL SPACER FOR HOLDING A PLURALITY OF LUGS IN A COMPACT, RIGID UNIT

Francis C. Huebner, Fresno, Calif.

Application March 27, 1950, Serial No. 152,048
7 Claims. (Cl. 105—369)



1. A load of lugs held rigidly in bulk in a car having a floor, sides and ends, said load comprising a plurality of stacks of lugs aligned in rows parallel to an end of the car and in parallel relation to each other, spacers between contiguous rows forming said load and in frictional contact with the lugs of each row, each spacer being constructed of a plurality of horizontal binder strips having opposed vertical faces and holding strips attached thereto at approximately right angles, said holding strips extending entirely between opposed vertical faces of said binder strips, the said binder strips being vertically spaced apart from each other a distance substantially equal to the height of a lug.

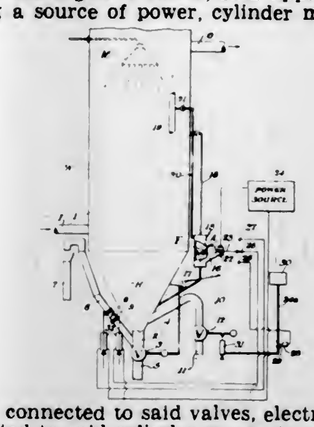
2,585,779

LIQUID SEAL FOR GAS WASHERS

Frank H. Janecek, Cleveland, and Robert H. Bahney, Lakewood, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application September 12, 1947, Serial No. 773,680
2 Claims. (Cl. 261—117)

1. In a gas washer for blast furnace gases comprising a washer and a hopper defining a chamber and including an inlet for gases under pressure near the hopper an outlet for gases remote from the hopper and means for spraying water into the gases remote from the hopper, the combination of an overflow conduit leading upwardly from the lower part of the hopper to a predetermined surface level of the liquid in the washer, a valve in said overflow conduit, an emergency outlet conduit leading from said hopper at an elevation above the intake end of said overflow conduit, a valve to control the flow of fluid through said emergency conduit, and apparatus responsive to variations in the surface level of the liquid in the washer for automatically actuating said valves, said apparatus comprising a source of power, cylinder means operatively connected to said valves, electrical means connected to said cylinder means to actuate said means and their valves and float-controlled switch means connecting said source of power with said electrical means.



2,585,780

BOB-UP TOY

Keith Whitaker Johnson, Arlington, Va.

Application September 17, 1946, Serial No. 697,408
6 Claims. (Cl. 46—134)



1. A toy comprising a tube of relatively light weight, two outwardly convex caps of substantially equal diameter and of relatively light weight closing respectively the opposite two ends of the tube and extending laterally and rearwardly therefrom, the inner surfaces of the caps and the bore of the tube forming a tubular chamber, and a relatively heavy ball enclosed within said tubular chamber; providing a toy adapted to balance upon one of said outwardly convex caps when placed upon a level supporting surface; said tube increasing in bore diameter toward at least one end from any point along its length other than said last mentioned end, whereby when the longitudinal axis of the tube is substantially horizontal the gradient of the lower inner surface of the tube will cause the ball to roll to and come to rest in said last mentioned end of the tube, whereby the weight of the ball will cause the toy to rise to a substantially upright position upon the outwardly convex cap at the end containing the ball.

2,585,781

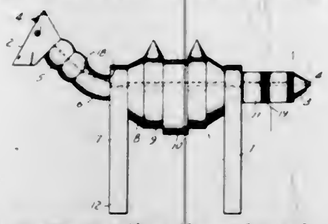
CONSTRUCTION TOY

Keith Whitaker Johnson, Arlington County, Va.

Application May 1, 1947, Serial No. 745,258
1 Claim. (Cl. 46—22)

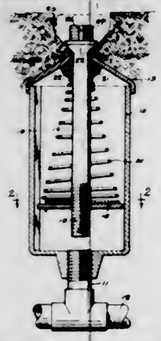
A construction toy comprising an elongated elastic connector and separate construction elements adapted to be placed in end to end abutting relationship; each of said construction elements having a groove in its longitudinal edge for receiving the connector, and means at each end of said connector to prevent the ends of said connector from pulling longitudinally through

the groove in the construction element when the connector is within the groove of such construction element; the groove in at least one of said construction elements having an unenlarged portion and having an enlarged terminal portion centrally of the element, the unenlarged portion



of said groove meeting the enlarged portion in tangential relation thereto, and forming at the juncture with the enlarged portion a shoulder adapted to hinder but not prevent removal of the connector from said enlarged portion, so that the connector may be more securely retained within the enlarged portion of the groove.

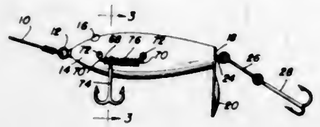
2,585,782
POP-UP SPRINKLER DEVICE
Oscar B. Johnson, Kent, Wash.
Application September 28, 1948, Serial No. 51,600
5 Claims. (Cl. 299—61)



4. A "pop-up" lawn sprinkler comprising a cylindrical casing adapted to be connected with a pressure source of water supply and closed at the top by a centrally apertured conical head wall, a hollow stem for emitting water therethrough and guidably supported for reciprocal vertical movement through the aperture of said head wall and provided at the head end with a mushroom-shaped prominence presenting an upwardly flared conical underside merging with the outside surface of the stem, a piston element sustained upon the lower end of said stem, and spring means acting in opposition to the pressure of the supplied water for normally holding the stem in retracted position whereat said prominence abuts the head wall, said conical underside of the prominence and said conical head wall of the casing acting in conjunction as the stem descends into its said retracted position to produce a substantial V-throat surrounding the hollow stem and causing grass and root growth to be pushed outwardly.

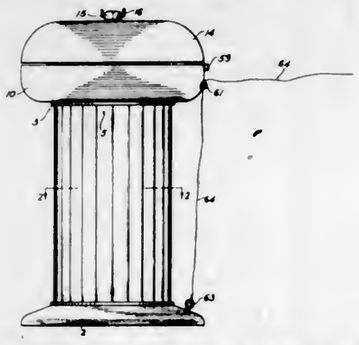
2,585,783
FISH LURE
Walter S. Johnston, Emmetsburg, Iowa
Application May 17, 1948, Serial No. 27,412
1 Claim. (Cl. 43—42.13)

A fish lure comprising an elongated plug, a fish hook and a fish line connector secured respectively to the rear and front terminals of said plug, a baffle having a central portion mounted on said plug at one end and having downwardly and laterally extending spoon shaped portions, said plug having longitudinally disposed guides spaced from and mounted on the



sides thereof, a hook slidably mounted on each guide, spring means mounted on said guide on each side of said hook, said baffle extending perpendicularly to the longitudinal axis of said plug, said central and said laterally and downwardly extending portions being of an inverted heart shape.

2,585,784
ALARM MECHANISM
John G. Jones, Rochester, N. Y.
Application May 13, 1950, Serial No. 161,765
5 Claims. (Cl. 116—103)

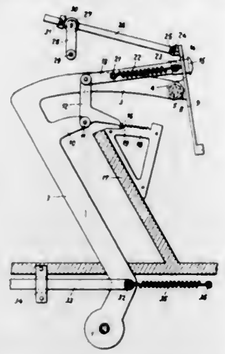


1. In an alarm mechanism operable by a sudden increase in temperature, an air chamber including top and bottom walls and a generally cylindrical thin side wall having vertical corrugations and a relatively large heat transfer surface in relation to the cubical content of the chamber, the top wall having an opening therein, a thin highly sensitive circular diaphragm resting upon said top wall at a multiplicity of radial points and secured around its outer edge to said top wall above the aforementioned opening, alarm actuating mechanism arranged above said top wall and diaphragm including a stop member, a detent engaging said stop member, and a pivoted supporting frame on which said detent is fixed, said supporting frame carrying an abutment located in the path of said diaphragm.

2,585,785
DEVICE FOR CONTROLLING THE SPEED OF MOTOR VEHICLES
Eugen Kaeppler, Lenzburg, Switzerland
Application April 8, 1950, Serial No. 154,755
In Switzerland January 14, 1950
6 Claims. (Cl. 192—3)

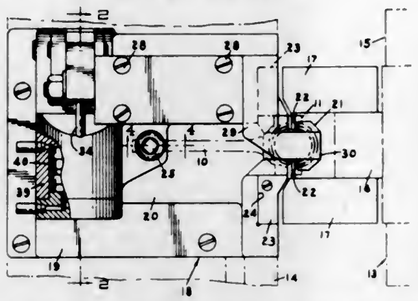
1. A device for controlling the speed of a motor vehicle, comprising combination, fuel control means arranged for increasing the fuel supply to the engine of the motor vehicle when operated in one direction and for reducing said fuel supply down to idling speed conditions of the said

engine when operated in the opposite sense, brake control means arranged for releasing the brakes of the motor vehicle when operated in one direction and for applying the said brakes when operated in the opposite direction, a common control member operatively connected with the said fuel control means and with the said brake control means, biasing means arranged for automatically moving the said common control member in the direction of releasing the said brakes and of increasing the said fuel supply, detent means arranged for arresting the said common control member in a position for releasing both the said brake control means in a non-braking position



and the said fuel control means in an idling speed position, override control means arranged for overriding, when positively operated, the said detent means and for allowing the said biasing means to move the said common control member in a direction of serving the said fuel control means into a position of increased fuel supply while leaving the said brake control means in a non-braking position, and biassing means for the said override control means arranged for rendering the said override control means inoperative when not positively operated, and for allowing the said detent means to arrest the said common control member in a plurality of positions, each of said positions corresponding to a position of the said fuel control means between idling speed and full throttle condition of the engine of the motor vehicle.

2,585,786
WORK CLAMPING FIXTURE
Leo I. Kaplan, Detroit, and Gustav von Reis, Grosse Pointe, Mich., assignors to Detroit Broach Company, Detroit, Mich., a corporation of Michigan
Application October 25, 1948, Serial No. 56,304
6 Claims. (Cl. 90—59)



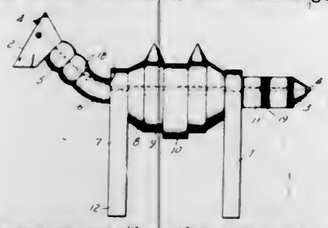
1. A work clamping fixture comprising a frame including a support for a work piece, a rock shaft mounted on said frame and of a length to hold the axis thereof relatively fixed in position, a rock arm on one end of said shaft, an axially extending clamping pad at the free end of said rock arm adapted to register with the work piece when on said work support, an oppositely extending rock arm on the other end of said shaft, a handle for manually rocking said shaft through a sufficient angle to clear said first mentioned rock arm from said work support and for moving it into engagement with the work when placed on said support, a third rock arm movable in the plane of said second mentioned rock arm and mounted on said frame about an eccentric axis being normally in a position out of the path of said second rock arm, and a cam carried by the free end of said third rock arm for engaging said second rock arm when said pad on said first rock arm is engaged with the work piece being adapted to compensate for variation in thickness of the work piece and to place high clamping pressure thereon.

2,585,787
PORTABLE CABINET FOR DEHYDRATING AIR
Hiram Joseph Kaufman, Detroit, Mich.
Application January 29, 1945, Serial No. 575,152
1 Claim. (Cl. 183—4.3)



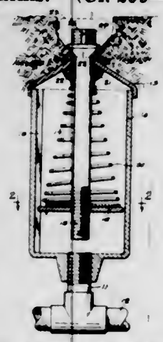
A chemical air dehydrating cabinet characterized by its freedom of caking of the dehydrating material such as would interfere with replenishment of the chemical and the separation of the chemical solution in storage, said cabinet comprising an upper section, an intermediate section and a lower section, openings defined in the walls of said cabinet in the upper and intermediate sections thereof through which air to be dehydrated enters the intermediate section and after being dehydrated is exhausted from said upper section, an open top container for hydroscopic solid material extending from said intermediate section into said upper section to a point adjacent the top of said cabinet, a baffle extending from the lower part of said upper section into said intermediate section and embracing the lower portion of said container to define a vertical air path surrounding the lower portion of said container, a cover at the top of said cabinet for replenishment of solid material in said container, a second baffle embracing the upper end of said container and coacting with said cover to define a dead air chamber at the upper end of said container, means defining a passageway for air at the lower portion of said container to connect the opening in the said intermediate section with the said vertical air path through said container as defined by said first baffle, a lateral opening defined between said upper and lower baffles to bring said vertical air path into communication with the exhaust opening in said upper section, and a solution storage structure in said lower section having a baffle located between said lower and intermediate sections with a restricted outlet through which the solution from said container is discharged into said storage.

the groove in the construction element when the connector is within the groove of such construction element; the groove in at least one of said construction elements having an unenlarged portion and having an enlarged terminal portion centrally of the element, the unenlarged portion



of said groove meeting the enlarged portion in tangential relation thereto, and forming at the juncture with the enlarged portion a shoulder adapted to hinder but not prevent removal of the connector from said enlarged portion, so that the connector may be more securely retained within the enlarged portion of the groove.

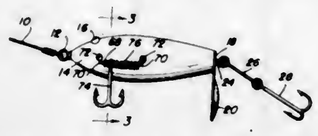
2,585,782
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Oscar B. Johnson, Kent, Wash.
Application September 28, 1948, Serial No. 51,600
5 Claims. (Cl. 299—61)



4. A "pop-up" lawn sprinkler comprising a cylindrical casing adapted to be connected with a pressure source of water supply and closed at the top by a centrally apertured conical head wall, a hollow stem for emitting water therethrough and guidably supported for reciprocal vertical movement through the aperture of said head wall and provided at the head end with a mushroom-shaped prominence presenting an upwardly flared conical underside merging with the outside surface of the stem, a piston element sustained upon the lower end of said stem, and spring means acting in opposition to the pressure of the supplied water for normally holding the stem in retracted position whereat said prominence abuts the head wall, said conical underside of the prominence and said conical head wall of the casing acting in conjunction as the stem descends into its said retracted position to produce a substantial V-throat surrounding the hollow stem and causing grass and root growth to be pushed outwardly.

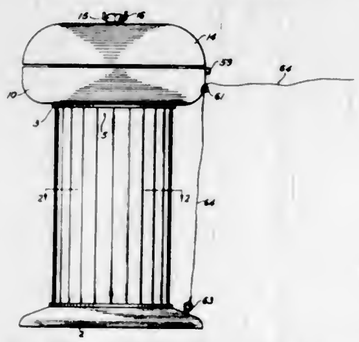
2,585,783
FISH LURE
Walter S. Johnston, Emmetsburg, Iowa
Application May 17, 1948, Serial No. 27,412
1 Claim. (Cl. 43—42.13)

A fish lure comprising an elongated plug, a fish hook and a fish line connector secured respectively to the rear and front terminals of said plug, a baffle having a central portion mounted on said plug at one end and having downwardly and laterally extending spoon shaped portions, said plug having longitudinally disposed guides spaced from and mounted on the



sides thereof, a hook slidably mounted on each guide, spring means mounted on said guide on each side of said hook, said baffle extending perpendicularly to the longitudinal axis of said plug, said central and said laterally and downwardly extending portions being of an inverted heart shape.

2,585,784
ALARM MECHANISM
John G. Jones, Rochester, N. Y.
Application May 13, 1950, Serial No. 161,765
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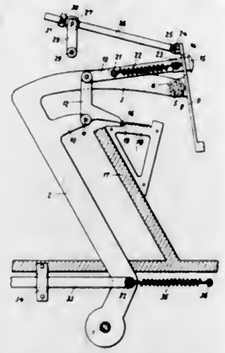


1. In an alarm mechanism operable by a sudden increase in temperature, an air chamber including top and bottom walls and a generally cylindrical thin side wall having vertical corrugations and a relatively large heat transfer surface in relation to the cubical content of the chamber, the top wall having an opening therein, a thin highly sensitive circular diaphragm resting upon said top wall at a multiplicity of radial points and secured around its outer edge to said top wall above the aforementioned opening, alarm actuating mechanism arranged above said top wall and diaphragm including a stop member, a detent engaging said stop member, and a pivoted supporting frame on which said detent is fixed, said supporting frame carrying an abutment located in the path of said diaphragm.

2,585,785
DEVICE FOR CONTROLLING THE SPEED OF MOTOR VEHICLES
Eugen Kaeppler, Lenzburg, Switzerland
Application April 8, 1950, Serial No. 154,755
In Switzerland January 14, 1950
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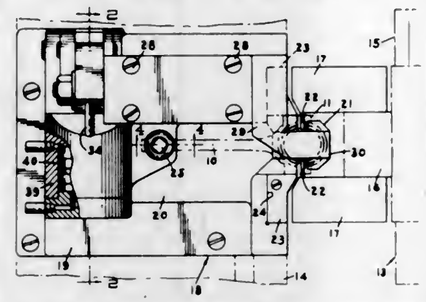
1. A device for controlling the speed of a motor vehicle, comprising combination, fuel control means arranged for increasing the fuel supply to the engine of the motor vehicle when operated in one direction and for reducing said fuel supply down to idling speed conditions of the said

engine when operated in the opposite sense, brake control means arranged for releasing the brakes of the motor vehicle when operated in one direction and for applying the said brakes when operated in the opposite direction, a common control member operatively connected with the said fuel control means and with the said brake control means, biasing means arranged for automatically moving the said common control member in the direction of releasing the said brakes and of increasing the said fuel supply, detent means arranged for arresting the said common control member in a position for releasing both the said brake control means in a non-braking position



and the said fuel control means in an idling speed position, override control means arranged for overriding, when positively operated, the said detent means and for allowing the said biasing means to move the said common control member in a direction of serving the said fuel control means into a position of increased fuel supply while leaving the said brake control means in a non-braking position, and biassing means for the said override control means arranged for rendering the said override control means inoperative when not positively operated, and for allowing the said detent means to arrest the said common control member in a plurality of positions, each of said positions corresponding to a position of the said fuel control means between idling speed and full throttle condition of the engine of the motor vehicle.

2,585,786
WORK CLAMPING FIXTURE
Leo I. Kaplan, Detroit, and Gustav von Reis, Grosse Pointe, Mich., assignors to Detroit Broach Company, Detroit, Mich., a corporation of Michigan
Application October 25, 1948, Serial No. 56,304
6 Claims. (Cl. 90—59)



1. A work clamping fixture comprising a frame including a support for a work piece, a rock shaft mounted on said frame and of a length to hold the axis thereof relatively fixed in position, a rock arm on one end of said shaft, an axially extending clamping pad at the free end of said rock arm adapted to register with the work piece when on said work support, an oppositely extending rock arm on the other end of said shaft, a handle for manually rocking said shaft through a sufficient angle to clear said first mentioned rock arm from said work support and for moving it into engagement with the work when placed on said support, a third rock arm movable in the plane of said second mentioned rock arm and mounted on said frame about an eccentric axis being normally in a position out of the path of said second rock arm, and a cam carried by the free end of said third rock arm for engaging said second rock arm when said pad on said first rock arm is engaged with the work piece being adapted to compensate for variation in thickness of the work piece and to place high clamping pressure thereon.

2,585,787
PORTABLE CABINET FOR DEHYDRATING AIR
Hiram Joseph Kaufman, Detroit, Mich.
Application January 29, 1945, Serial No. 575,152
1 Claim. (Cl. 183—4.3)

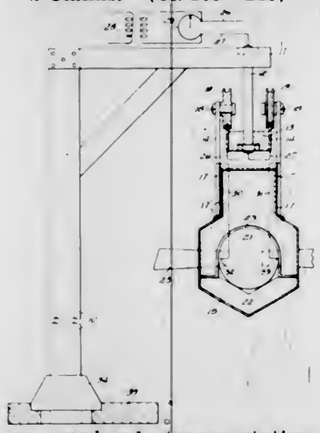


A chemical air dehydrating cabinet characterized by its freedom of caking of the dehydrating material such as would interfere with replenishment of the chemical and the separation of the entering air from the chemical solution in storage, said cabinet comprising an upper section, an intermediate section and a lower section, openings defined in the walls of said cabinet in the upper and intermediate sections thereof through which air to be dehydrated enters the intermediate section and after being dehydrated is exhausted from said upper section, an open top container for hydroscopic solid material extending from said intermediate section into said upper section to a point adjacent the top of said cabinet, a baffle extending from the lower part of said upper section into said intermediate section and embracing the lower portion of said container to define a vertical air path surrounding the lower portion of said container, a cover at the top of said cabinet for replenishment of solid material in said container, a second baffle embracing the upper end of said container and coacting with said cover to define a dead air chamber at the upper end of said container, means defining a passageway for air at the lower portion of said container to connect the opening in the said intermediate section with the said vertical air path through said container as defined by said first baffle, a lateral opening defined between said upper and lower baffles to bring said vertical air path into communication with the exhaust opening in said upper section, and a solution storage structure in said lower section having a baffle located between said lower and intermediate sections with a restricted outlet through which the solution from said container is discharged into said storage.

2,585,788
METHOD OF PREPARING DENTURES
Nathan G. Kaye, Bradford, R. I.
No Drawing. Application October 9, 1947, Serial No. 778,761
2 Claims. (Cl. 32—2)

1. The method of making dentures using tooth bodies formed of a ceramic composition and having a degree of hardness sufficiently low to result in wear of the incisal and occlusal surfaces of the tooth body as a result of the patient's usual mandibular movements; said method comprising setting said tooth bodies in mutually opposing disposition on base plates to effect contact between confronting surfaces thereof, and subjecting said bodies to mutual wear of the contacting surfaces thereof by simulated mandibular movement in a suitable instrument for obtaining the proper surface-contact relation between opposing tooth bodies, and thereafter treating the tooth body on which said wear is recorded to preserve said contact-surface relation thereof in the denture.

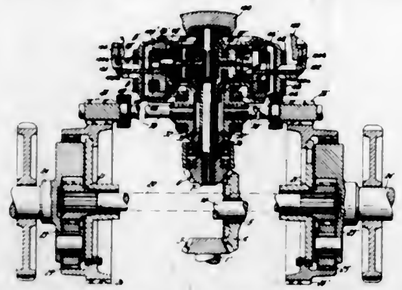
2,585,789
RAILWAY AND ROLLING STOCK THEREFOR
Nellie G. Keller and William J. Keller, St. Louis, Mo.
Application April 12, 1948, Serial No. 20,387
2 Claims. (Cl. 105—148)



1. In an overhead transportation system, spaced energized members depending from overhead supports, insulating ties carried by the lower ends of said members, rails carried by the outer faces of the ties, electrical conductors connecting said members with the rails, energized wheels riding on the rails, energized axles for supporting the wheels, a car body below the ties, energized hangers depending from the outer ends of the axles, means for securing the lower ends of the hangers to opposite sides of the car body adjacent the front and rear ends thereof, and insulating means disposed between the lower ends of the hangers and the body.

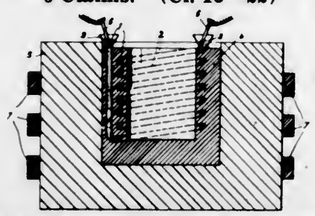
2,585,790
TANK CROSS DRIVE FOR STEERING BY VARIABLE-SPEED RATIO DRIVING MEANS
Oliver K. Kelley, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 16, 1945, Serial No. 588,475
17 Claims. (Cl. 180—6.7)

9. In steering controls for track laying vehicles, a variable speed drive mechanism adapted to drive laterally disposed tracks at differential forward and reverse speeds including output differential gearing connected to drive said tracks and equipped with reaction elements adapted to be driven at variable speed ratios, a continuously variable power transmission assembly including



step-ratio gearing for driving said output differential gearing, an engine, a steering differential gear operable to drive said reaction elements at variable speed ratios and a common driving gear connecting said engine to both said power transmission and said steering differential gear.

2,585,791
HIGH-TEMPERATURE ELECTRIC RESISTANCE OVEN
Siegfried Klein, Paris, France, assignor to Société Anonyme dite: Comptoir des Cendres et Metaux Precieux, Paris, France
Application June 3, 1947, Serial No. 752,023
In France June 7, 1946
6 Claims. (Cl. 13—22)

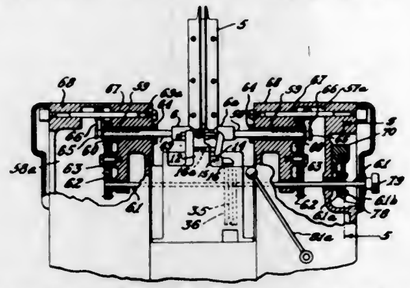


3. An electric oven for the obtainment of very high temperatures comprising at least one electric heating resistance consisting of a tube made of a refractory material, an extension of said tube projecting upwards out of the oven, a metal filling the tube completely in its enclosed portion and partly in its upwardly projecting extension, the level of metal in the latter being such that a hydrostatic pressure is created within said tube by which the formation of metal vapor bubbles within the tube at working temperature is precluded.

2,585,792
COMMUTATOR ASSEMBLING MACHINE
Elmo H. Kroener, Franklin, Ohio, assignor, by mesne assignments, to The Third National Bank and Trust Company of Dayton, Dayton, Ohio
Application May 7, 1945, Serial No. 592,467
13 Claims. (Cl. 29—203)

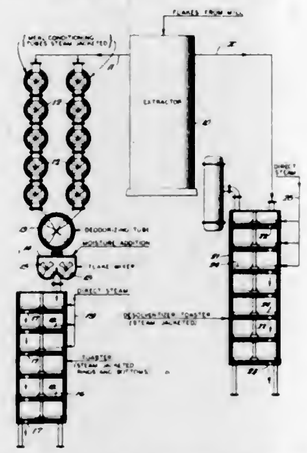
1. In a commutator assembly machine: a work holder comprising a pair of opposed heads having compressible material on their opposed faces between which material segments may be inserted, shafts on which the heads are mounted, means for controlling the shafts comprising a sleeve surrounding each shaft and connected

thereto so as to rotatably drive the shaft but allow for sliding movement of the shaft in the sleeve, step by step driving gearing connected to the sleeves for rotating the same and the heads, a reciprocable means for each shaft and connected thereto to slide the same within the sleeves for moving the heads together or apart, and power means for moving said reciprocable means; a work retaining means comprising a frame, a thrust rod in said frame, a housing detachably mounted in one end of said frame, an extension on said rod, said housing having a bearing for said rod extension, a split resilient ring maintained within a jaw provided in said housing, said rod extension engaging said ring,



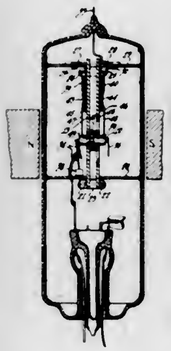
rearward and forward abutments located in said machine and between which abutments said frame and housing are mounted so as to position said jaw and said retaining ring between said opposed heads in position to surround the segments inserted between said opposed faces, a lever pivotally mounted on said frame and arranged when rocked to push said thrust rod lengthwise and thereby cause said ring to be constricted by said jaw about said segments, and power means for rocking said lever; and common control means for both of said power means whereby said shafts are reciprocated, and said thrust rod is actuated, in timed relation to one another.

2,585,793
SOYBEAN TREATING PROCESS
Norman F. Kruse, Decatur, Ind., assignor to Central Soya Company, Inc., Fort Wayne, Ind., a corporation of Indiana
Application November 10, 1950, Serial No. 195,059
8 Claims. (Cl. 99—98)



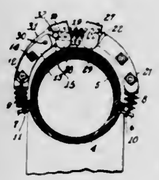
1. In a process for treating solvent-extracted soybean oil meal containing liquid, the steps of heating the meal below the boiling point of water, introducing steam into said meal to condense steam thereon to bring the moisture content of the meal into the range of about 14% to 30%, and cooking the meal at a temperature above the boiling point of water.

2,585,794
MAGNETRON
Jerome Kurshan, Princeton, N. J., and Lloyd P. Smith, Ithaca, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application October 25, 1947, Serial No. 782,192
17 Claims. (Cl. 315—39)



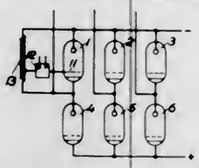
1. A magnetron comprising anode structure defining a cylindrical anode surface of constant diameter, a cathode within said anode structure and extending axially of said anode surface, and a hollow cylindrical imperforate field electrode positioned closer to said anode surface than to said cathode and encircling a substantial part of said cathode within said anode surface and insulated from said anode structure and said cathode, a substantial part of the length of said cathode being directly exposed to said anode structure.

2,585,795
ANTISKID DEVICE
Andrew Kurtz, Allentown, Pa.
Application July 28, 1949, Serial No. 107,229
3 Claims. (Cl. 152—218)



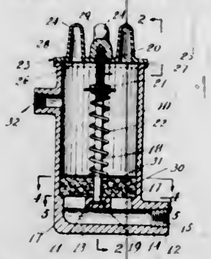
1. In an anti-skid device, the combination of a motor car wheel having a resilient tire, a rim on which the tire is mounted, means on said rim for receiving and retaining an anti-skid unit, an anti-skid unit having a set of traction heads coupled by a spring, means for attaching the said unit to said receiving and retaining means and a manually operable lever on said unit for placing said spring under tension for removably locking the anti-skid unit on said wheel.

2,585,796
PROTECTION OF STATIC CURRENT CONVERTER INSTALLATIONS
Uno Lamm, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application March 20, 1947, Serial No. 735,920
In Sweden March 22, 1946
13 Claims. (Cl. 321—13)



1. In a static current converter having a plurality of valves having low cathode voltage drop, part of said valves being normally blocked during at least a part of the cycle of operation, a current controlling device associated with one of said valves and responsive to overvoltage occurring during the part of the cycle when said valve is normally blocked to release said valve during such part of the cycle.

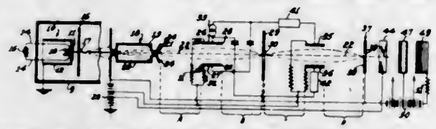
2,585,797
FILTER AND VAPOR LOCK CONTROLLER
William J. Linn, Pittsburgh, Pa.
Application October 16, 1946, Serial No. 703,565
3 Claims. (Cl. 210—122.5)



1. A filter and vapor lock controller adapted to be connected in the fuel supply line of an internal combustion engine comprising a hollow body having spaced inlet and outlet ports, an intermediate wall extending transversely of said body adjacent the inlet port between the inlet and outlet ports, at least one port in said intermediate wall for the passage of fuel, filtering means normally seated on said intermediate wall, a stem extending centrally through said body, intermediate wall and filtering means, compression means disposed about said stem and cooperating therewith to hold the filtering means yieldably against the intermediate wall, a cover member for said body threadingly engaging the stem, a plurality of hollow thimbles extending above the surface of the cover member and opening into the interior of the body, and an insulating and sealing ring between said cover member and said body.

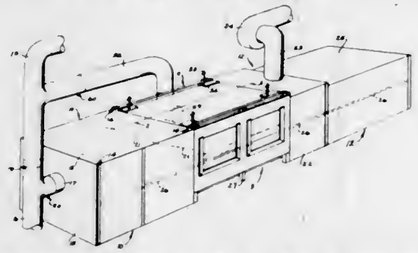
2,585,798
BEAM DEFLECTION TUBE AMPLIFIER
Russell R. Law, Princeton, and Frank H. Norman, Cranbury, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 22, 1949, Serial No. 134,386
15 Claims. (Cl. 315—17)

1. A beam deflection tube comprising an evacuated envelope, within the envelope an electron gun for producing a beam of electrons along a rectilinear axis and forming it with at least one small cross sectional dimension where it passes through an object plane normal to said axis, between said object plane and an image plane positioned further along said axis and normal thereto a group of electrodes affording when polarized at appropriate potentials a first electron optical system for producing in the image plane an image of the cross section of the beam in said object plane, said electrodes including a pair of plates positioned on opposite sides of said axis in the direction of said cross sectional dimension for producing in response to a deflection gradient between the plates displacement of said image in said image plane in one of two opposite directions corresponding to said dimension, between said image plane and a second image plane positioned further along said axis and normal



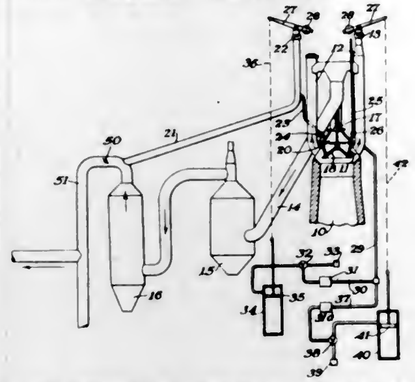
thereto a second group of electrodes affording when polarized at appropriate potentials a second electron optical system for producing in the second image plane an image of the first image, whereby for any displacement of said image in one direction in said first-mentioned image plane the second image will be displaced in the opposite direction in the second image plane, a knife-edge electrode positioned at the second image plane and having its knife edge extending across said axis to intercept a portion of said beam which varies according to displacements of the second-mentioned image in either of two directions corresponding to said small dimension, means connectable to an external signal source for applying deflection signals between said plates, and an electron receiving anode positioned beyond the knife-edge electrode to collect electrons in accordance with what portion of the beam is not intercepted thereby.

2,585,799
APPARATUS FOR SMOKING FISH
Glenn A. Lawrence, Belfast, Maine
Application February 11, 1947, Serial No. 727,882
8 Claims. (Cl. 99—261)



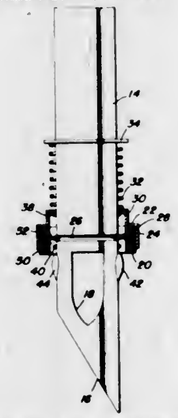
1. Apparatus for smoking fish comprising smoke producing means, a smoke compartment, a fan for drawing smoke through said compartment, an ionizing network in said compartment for electrically charging the smoke particles, an electrically grounded tray for supporting fish adjacent and in spaced relationship with the ionizing network, adjustable supporting members for adjusting the ionizing network relative to the tray to effect a desired rate of deposition of smoke on the fish, and means for removing the tray from the smoke compartment.

2,585,800
BLEEDER AND EQUALIZER FOR BLAST FURNACES
Kurt G. Le Viseur, Youngstown, and Leonard Larson, Shaker Heights, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application September 3, 1947, Serial No. 771,870
5 Claims. (Cl. 266—31)



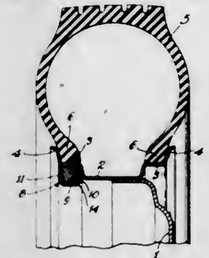
3. The method of operating a blast furnace having a bell chamber which comprises the steps of removing from the furnace top gases carrying entrained solids and having the pressures existing in the furnace above the stock line, removing solids from substantially all of said gases, separating the thus cleaned gas into two streams, maintaining the pressures of the gases while being cleaned and in the streams of cleaned gases at approximately the pressures existing above the furnace stock line, periodically releasing gases from one of said streams into the bell chamber of the furnace during charging of solids into the furnace and to the atmosphere from same stream when the pressure above the furnace stock line and in said stream reaches a predetermined pressure above the normal furnace stock line pressure.

2,585,801
LIQUID DISPENSER
Pete Lieuwen, New Holland, S. Dak.
Application October 3, 1949, Serial No. 119,270
4 Claims. (Cl. 222—90)



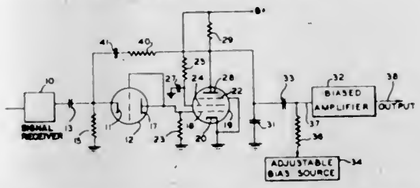
1. A can opener and dispenser comprising a hollow member constituting a spout and having a sharp cutting end, said member having a peripheral groove, a pair of spaced stops carried by said member with said groove between said stops, a seal disposed on said member and adapted to engage the can, said seal having a ring disposed in said groove, a carrier for said seal disposed on said hollow member with one stop adapted to engage the carrier to limit the relative travel of the carrier and the hollow member, the other stop being located above the lower edge of said seal and adapted to engage the can to limit the penetration into the can.

2,585,802
MEANS FOR BALANCING WHEELS
Peter L. Loewe, Chicago, Ill.
Application November 7, 1945, Serial No. 627,155
1 Claim. (Cl. 301—5)



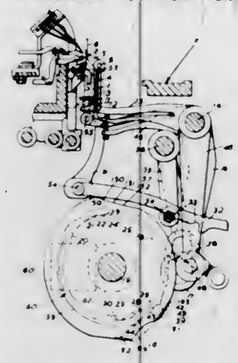
In combination with a metal wheel rim, a weight assembly secured thereto, including a metal weight support welded to said rim and a weight of heavier metal supported by said weight support, said weight support being in the form of a container surrounding said weight and having outwardly extending portions welded to the face of the rim at points remote from said weight.

2,585,803
PULSE WIDTH DISCRIMINATOR CIRCUIT
Conrad L. Longmire, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 18, 1945, Serial No. 588,992
5 Claims. (Cl. 250—27)



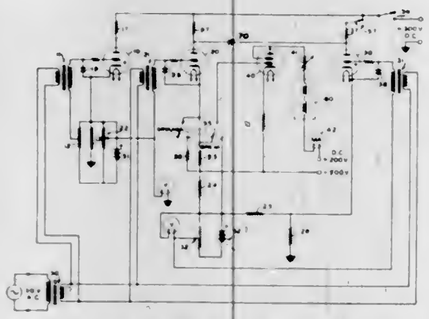
1. A translating circuit for signals of varying time duration and varying amplitude, comprising a normally conducting vacuum tube having at least cathode, anode and control grid electrodes, a condenser connected between said anode and cathode, a source of potential, a resistor connecting said source of potential to said anode, means to impress a first portion of said signals upon said control grid to render said vacuum tube non-conducting and to charge said condenser through said resistor, whereby sawtooth waves are generated substantially coincident with said source signals, a second resistor and a second condenser in series combination, said series combination being coupled to a second portion of said source signals, means connected to said anode and to said series combination of said second resistor and said second condenser for combining said sawtooth waves and said source signals in phase opposition to produce resultant signals, and means for producing a signal when said resultant signals exceed a predetermined level.

2,585,804
STRAIGHT BAR KNITTING MACHINE
John Edward Lynam and Leonard Brown, Nottingham, England, assignors to William Cotton Limited, Loughborough, Leicestershire, England
Application February 23, 1949, Serial No. 77,836
In Great Britain February 21, 1948
9 Claims. (Cl. 66—82)



1. A straight bar knitting machine organised for the production of ladder resistant fabric of the type comprising successive ground courses of plain loops whereof the loops of each ground course are drawn through the plain loops of the preceding course, and associated courses of locking loops which lock the plain loops, the locking loops being passed through and closely around the plain loops so that the legs of the plain loops are encircled by coils of the locking loops having two needle bars keyed together for relative movement in the direction of the length of the needle stems each of which needle bars is equipped with the said needles and the needles in one bar being located with their stems in front of and aligned with the stems of the needles of the other bar and with their hooks disposed in the same direction, separate means for imparting said movement to each bar, and common means for imparting movement transversely of the length of the needle stems to both bars in unison.

2,585,805
SINGLE PULSE GENERATOR
Leslie A. MacDonald, Bellerose, and Richard Bell Mancke, Green Acres, N. Y., assignors to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey
Application November 19, 1949, Serial No. 128,312
14 Claims. (Cl. 250—27)

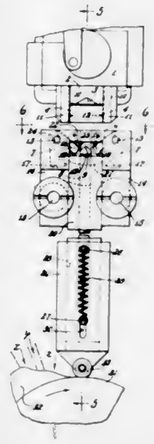


1. A single pulse generator for generating a square-topped pulse comprising a gas-filled trigger tube, a source of constant potential space current for said tube, a source of alternating potential controlling the firing of said tube, means in the space current path of said tube for developing a potential while the tube is conducting, means for causing firing of said tube at a predetermined point in one half cycle of said alternating potential, and means for causing extinguishing of said tube at a predetermined point in the succeeding half cycle of said alternating potential.

2,585,806
ELASTIC AND FIBROUS BUILDING COMPOSITION
Charles Mack, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application October 9, 1946, Serial No. 702,091. Divided and this application January 26, 1949, Serial No. 73,011
4 Claims. (Cl. 106—199)

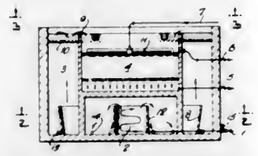
1. A flexible and elastic building composition comprising essentially a fibrous material bonded with 10% to 90% of a blend having a softening point of at least 160° F. and comprising an aluminum soap of a fatty acid and an oil having a viscosity in the range from about 180 to 3,000 Saybolt seconds at 210° F., said blend containing 10% to 100% of the said oil based on the aluminum soap.

2,585,807
WIRE STITCHING APPARATUS
James G. Mackechnie, Jr., Springfield, Mass.
Application April 12, 1950, Serial No. 155,448
5 Claims. (Cl. 1—2)



1. A wire stitching machine comprising a reciprocable driver having a recess in the face thereof, a reciprocable plunger mounted in opposite relation to the recessed portion of said driver face, clincher dogs pivoted laterally of said plunger, a clincher bar adjacent said plunger and movable against said dogs, a stop for said bar limiting movement thereof toward said driver, a resilient lost-motion connection between said bar and said plunger, and means to drive said plunger toward and away from said driver face at varying speeds and beyond the limit of movement of said clincher bar.

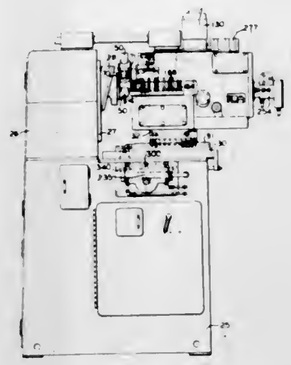
2,585,808
WATER PURIFICATION APPARATUS
Osmo Makkonen, Helsinki, Finland
Application November 25, 1949, Serial No. 129,242
In Finland November 27, 1948
2 Claims. (Cl. 210—16)



1. A water purification apparatus comprising, in combination, a cylindrical reaction chamber which receives raw water admixed with chemicals and which has a smaller cylindrical receiving chamber mounted therein and communicating therewith; a filter chamber superimposed upon said reaction chamber; an annular clarification chamber mounted about said reaction and filter chambers and communicating at a lower portion thereof with said reaction chamber so that the water may flow to said clarification chamber from said reaction chamber, said annular clarification chamber having a bottom surface and an annular wall extending upwardly from said bottom surface, said annular wall being inclined in a direction away from said reaction chamber, whereby the water leaving said reaction chamber flows upward toward the top of the clarification chamber through the space between the said annular wall and said reaction chamber and whereby the floc settling in said clarification chamber settles on the side of the annular wall distant from said reaction chamber; means for conveying the settled floc from said clarification chamber to said reaction chamber; means located about an upper portion of said filter chamber and communicating with said clarification chamber for permitting water in said clarification chamber to flow into said filter chamber, said means for permitting the water to flow from said clarification chamber to said filter chamber comprising an annular wall portion common to said filter chamber and clarification chamber which functions as a weir to permit the water in the clarification chamber to flow thereover and into the filter chamber when the water in the clarification chamber exceeds the level of said annular wall portion; means for introducing raw water with admixed chemicals therein into said reaction chamber comprising an inlet pipe communicating tangentially at its outlet with said smaller cylindrical receiving chamber; and means for withdrawing purified water from said filter chamber.

2,585,809
LOADING MECHANISM FOR GEAR PRODUCING MACHINES
Herman A. Maie, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application January 21, 1950, Serial No. 139,909
20 Claims. (Cl. 90—1)

1. In combination, a work support, a holder adapted to hold a plurality of finished workpieces, a holder adapted to hold a plurality of blanks, a transfer member, means for moving the transfer member from the work support to a loading station and back, and means for moving the two holders successively into register with the transfer member, when the transfer member is at the loading station, so that the transfer member may deliver a finished workpiece to the first



holder and may take a new blank from the second holder.

2,585,810
VALVELESS PULSE JET ENGINE HAVING ELECTRIC ARC HEATING MEANS
George E. Mallinckrodt, St. Louis, Mo.
Application October 26, 1945, Serial No. 624,646
6 Claims. (Cl. 60—35.5)

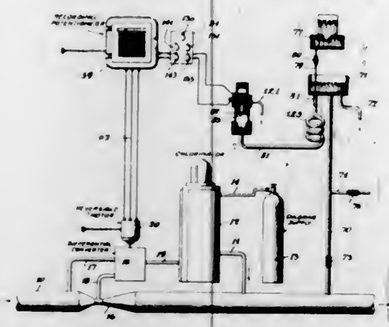


2. A jet propulsion unit comprising an elongate tapering thrust chamber having a leading inlet and a larger trailing outlet, a movement of the unit along its length introducing relatively cool gaseous medium through the inlet into said chamber, electrodes extending along the length of the chamber and being spaced closer together toward the inlet than toward the outlet for striking an arc at said closer spacing in the presence of said medium, whereby the medium is heated and ejected from said outlet, said medium due to relative movement between it and the thrust chamber moving the arc from the inlet along the electrodes and toward the outlet.

2,585,811
ELECTROCHEMICAL METHOD OF AUTOMATICALLY DETERMINING AVAILABLE CHLORINE IN AN AQUEOUS LIQUID
Henry C. Marks, Glen Ridge, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application July 2, 1949, Serial No. 102,872
5 Claims. (Cl. 204—1)

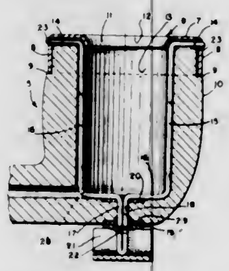
1. The method of automatically and accurately detecting the content of available chlorine in an aqueous liquid, wherein accurate results are obtainable even when some of said available chlorine is in the form of dichloramine or NCl_3 or both, which comprises the steps of adding an amount of a water-soluble iodide to successive portions of said liquid having a pH in the range of about 3.5 to about 5.0 to establish in said portions an iodide concentration at least stoichiometrically equivalent to the amount of said available chlorine to be detected, thereafter and after a time period of at least about one minute to afford time for the substantially quantitative completion of

the reaction between said available chlorine and the added iodide, introducing said portions successively into contact with the polarized cath-



ode of a depolarization type electrolytic cell, and measuring the current flow through said cell as accurately indicative of the available chlorine concentration in said successive portions.

2,585,812
COMBINATION SMOKER'S PIPE AND BOWL CLEANER THEREFOR
Allan Marshall, Whiting, Ind.
Application May 2, 1949, Serial No. 90,844
3 Claims. (Cl. 131—184)



1. Pipe bowl scraper means for a bowl having an opening through the bottom wall thereof comprising, pipe bowl scraper supporting guide means adapted to be fitted to the mouth of a pipe bowl and adapted to be rotated thereon, U-shaped scraper means having a pivotal extension at the bottom portion thereof rotatably secured through said opening in the bottom of the said pipe bowl, the said U-shaped scraper means and the said pivotal extension thereof comprising a unitary member wherein the said extension is also U-shaped, the said U-shaped scraper means being provided with transverse extensions, said supporting guide means having openings to receive said transverse extensions, and scraper manipulating and locking clip means removably secured to a portion of the said pivotal extension which projects outside the said pipe bowl, said pivotal extension having transverse notches on opposite sides thereof and said clip means having portions thereof adapted to engage said notches, and sealing and bearing means between the said clip and the bottom surface of the said bottom wall whereby said clip will maintain the said scraper means in operative relation to the inner wall of the said bowl, and said transverse extensions will also maintain said guide means in operative relation to the mouth of the said bowl.

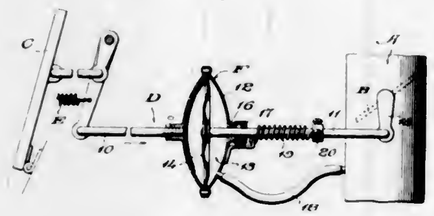
2,585,813
HYDROCARBON OIL COMPOSITION
John P. McDermott, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 23, 1949, Serial No. 89,369
15 Claims. (Cl. 252—33)

1. A mineral oil composition having incorporated therein an oxidation inhibiting amount of a mixed acid anhydride of the formula—

$$(RO)_2P-S-SO_2R'$$

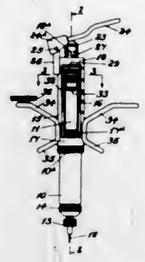
wherein R is a hydrocarbon radical and R′ is a hydrocarbon radical of the group consisting of aliphatic and aromatic hydrocarbon radicals, and R and R′ each contain 1 to 30 carbon atoms.

2,585,814
CONTROL MEANS FOR THE THROTTLE VALVES OF INTERNAL-COMBUSTION ENGINES
Ward A. McDonald, Pontiac, Mich.
Application March 25, 1948, Serial No. 16,978
3 Claims. (Cl. 123—103)



1. In an internal combustion engine, a fuel supply conduit, a throttle valve for controlling supply of fuel through said conduit to the engine, spring means for closing said valve, manually operable means for opening said valve comprising an accelerator pedal and a connection between said pedal and said valve including a pair of rods one connected to said pedal and the other to said valve, a housing connected to and movable with said first mentioned rod and having a chamber therein, a flexible diaphragm connected to and movable with said second mentioned rod and constituting a wall of said chamber movable inwardly and outwardly with respect to the latter, a connection between said conduit and said chamber whereby the latter is subjected to the same negative pressure as the former, a spring disposed exteriorly of said chamber and interposed between said housing and said second mentioned rod and effective to move said flexible diaphragm outwardly relative to said chamber and to effect closing movement of said valve when said conduit and said chamber are subjected to a predetermined low pressure, said spring being disposed in surrounding relationship to said second mentioned rod and being effective to prevent inward movement of said flexible diaphragm relative to said chamber and consequent opening movement of said valve when said conduit and said chamber are subjected to a predetermined higher negative pressure, and means comprising a collar on said second mentioned rod adjustable along the latter to adjust the strength of said spring.

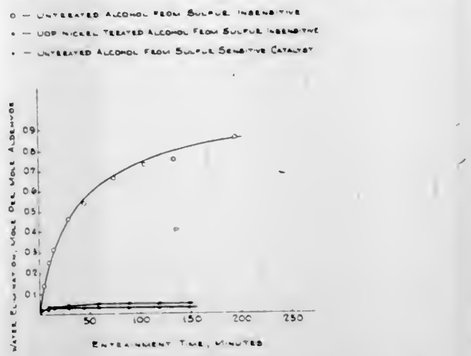
2,585,815
INJECTION SYRINGE
Duncan Menzies McLintock, Kilmacolm, Scotland
Application February 25, 1948, Serial No. 10,682
In Great Britain January 16, 1947
Section 1, Public Law 690, August 8, 1946
Patent expires January 16, 1967
10 Claims. (Cl. 128—218)



1. An injection syringe comprising a cylinder to receive a fluid, an injector on the cylinder, a support on the cylinder, a guide on said support, a hollow plunger in the cylinder and extending therefrom in association with said support, wings on the support formed with outturned tails, the wings and tails being engageable by the fingers of the user of the instrument to effect push-pull action, a rod member extending through said guide and into the hollow plunger, ratchet-teeth on said rod member, a spring-pressed pawl on said plunger engaged by said ratchet-teeth, a hand-operable lever member fulcrumed on said support, being depressible by the hand of the user and being arranged to depress said rod member, pawl and plunger to cause ejection of a dose of fluid from said cylinder and through said injector, a spring interposed between said support and said rod member to return the rod member and lever member following each depression thereof, corresponding ratchet-teeth on said support, a spring-pressed detent on said plunger engaging said corresponding ratchet-teeth and thus holding the plunger and pawl against return with the rod member, an adjustable stop device interposed between said support and said lever member, said device presenting at different levels a plurality of stops individually contactible by one of said lever and rod members and serving to determine the size of each dose, and means for holding said device in its position of adjustment.

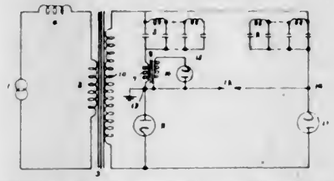
2,585,816
METAL TREATMENT OF OXO ALCOHOLS
Joseph K. Mertzweiller, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 1, 1950, Serial No. 165,407
9 Claims. (Cl. 260—643)

1. A process for the treatment of an impure C_4–C_{12} alcohol which was produced in a two-stage operation consisting of a first stage in which hydrogen, carbon monoxide, and an olefin are contacted in the presence of an oxonation catalyst, forming a product predominantly aldehyde and of a second stage in which the said aldehyde product is catalytically reduced with hydrogen to form the corresponding alcohol which consists of the liquid-solid contacting of the alcohol with a metal treating agent selected from the group consisting of mercury, copper, and nickel, at temperatures of from 25°–180° C. and for a period of time sufficient that undesirable impurities particularly those of the sulfur-containing class are rendered substantially harmless



particularly as to color-producing tendencies in subsequent reactions of the alcohol.

2,585,817
APPARATUS FOR GENERATING REPEATED ELECTRIC PULSES
Wolfgang Michael Michaelis, London, England, assignor to The General Electric Company Limited, London, England
Application January 18, 1945, Serial No. 573,435
In Great Britain December 31, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 31, 1963
14 Claims. (Cl. 171—97)

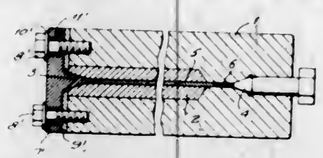


1. Apparatus for generating electrical pulses comprising, two branch circuits connected in parallel and individually including a unidirectional conductive device in series with an energy-storage device the terminal impedance of which is predominantly capacitive at a given operating frequency, said two unidirectional devices being oppositely poled in said circuits, inductive means associated with said branch circuits and providing for each of said storage devices a charging circuit, means for applying an alternating potential of said frequency to said charging circuits, switching means for connecting said storage devices in series-aiding relation and providing a discharge path therefor, and means responsive to the discharging of said storage devices for supplying output pulses to a utilizing device.

2,585,818
DEVICE FOR GENERATION OF HIGH PRESSURE
Josef Moravec, Mala Chuchle, Czechoslovakia
Application February 21, 1948, Serial No. 10,165
In Czechoslovakia September 23, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires September 23, 1966
14 Claims. (Cl. 219—1)

1. A device for exerting a pressure on a body, comprising in combination, a body provided with a hollow; means for tightly closing the hollow of said body; a metal bar and a body to be com-

pressed arranged in the hollow of said body abutting against each other and opposite walls of said



hollow; and means for imparting temperature changes to said bar.

2,585,819
PROCESS OF JOINING METAL PARTS
Earl K. Moore, Manchester, and Alden P. Edson, Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
No Drawing. Application June 22, 1946, Serial No. 678,684
2 Claims. (Cl. 29—368)

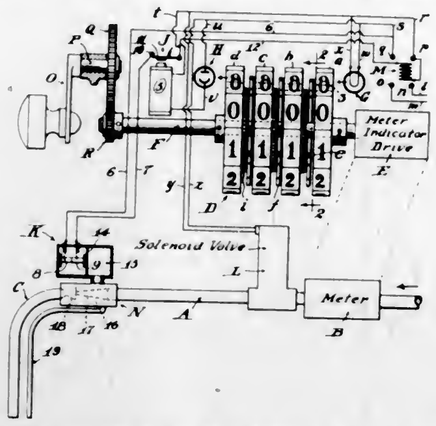
1. The process of joining metal parts by solder which comprises maintaining a stable gaseous atmosphere which is substantially inert at soldering temperatures with respect to the metals being treated, the active component of the stable gaseous atmosphere consisting of hydrogen fluoride, and cleaning the metal parts and solder by subjecting them to said stable gaseous atmosphere at soldering temperatures until the metal parts have been bonded by solder.

2,585,820
LUBRICATING COMPOSITION
Le Grand Morell and Amos T. Knutson, Midland, Mich., assignors to The Dow Chemical Company, a corporation of Delaware
No Drawing. Application July 2, 1934, Serial No. 733,452
3 Claims. (Cl. 252—58)

1. A composition of matter comprising a mineral lubricating oil and a relatively small proportion of a substantially non-volatile chlorinated paraffin hydrocarbon as essential ingredients.

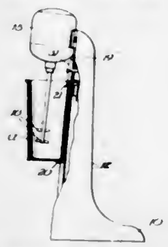
2,585,821
LIQUID MEASURING AND DISPENSING APPARATUS
Paul G. Mueller, Los Angeles, Calif.
Application October 17, 1949, Serial No. 121,793
1 Claim. (Cl. 222—20)

In a fluid measuring apparatus, the combination with a fluid conduit, a meter connected to said conduit for measuring fluid passing therethrough, a series of indicating disks embodied in and operable by said meter bearing measuring indicia each having a hole therethrough arranged to align with the holes of the other disks when the disks are in a normal position, means for rotating said disks to various selected positions to expose indicia thereon to designate an amount to be measured, a normally closed solenoid valve in said conduit, a normally open magnetic control switch, electric current conductors leading from said solenoid valve and connecting with a source of electrical supply through said switch when the latter is closed, an electric magnet embodied in said switch operable when energized to hold said switch closed, a normally closed relay switch, electric conductors connecting said control switch and said relay switch, a photo-electric cell in said conductors arranged to receive a beam of light projected through the holes in said disks when in their normal position, and an electric lamp arranged to project a beam of light through said holes; said photo-electric cell when energized directing electric current to said relay switch to open same and thereby deenergize the magnet of said control switch to open the latter; a nozzle on said conduit, an ejector in said conduit, a vacuum



chamber connected to said ejector, a tube opening to said chamber having an open end adjacent said nozzle adapted to be closed by liquid in which said nozzle is submerged, a normally closed circuit breaker in the conductors connecting said relay switch and the magnet of the control switch, and means influenced by partial vacuum in said vacuum chamber for opening said circuit breaker.

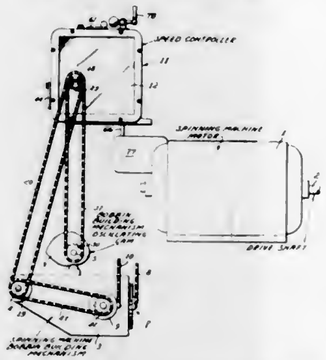
2,585,822
RECEPTACLE HOLDER FOR ELECTRIC DRINK MIXERS
Louis Myers, Rockford, Ill.
Application May 9, 1949, Serial No. 92,113
6 Claims. (Cl. 259—108)



1. The combination with an electric drink mixer comprising a support and an electric-motor with a depending shaft provided with an agitator and carried by said support, of means for supporting a manually manipulated container in its operative position around the agitator, comprising: a guide-plate for the container on the support provided with an outer face, a bottom support for the container, a holder for receiving the upper rim of the container having an inner face slidable on the outer face of the plate and provided with a hook at its lower end, a lever having itse outer end pivotally connected to the holder, a means supported on the plate provided with a fulcrum on which the inner end of the lever is slidable, and spring-means between the lever and the supporting means for the fulcrum for exerting an inward pull and a downward pull on the lever and its pivotal connection to the

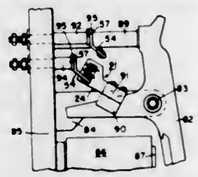
holder for engaging the contiguous faces of the holder and plate and retracting the holder to its normal position, the fulcrum for the inner end of the lever and pivotal connection between lever and the holder rendering the holder rectilinearly slidable on the front of the plate when a container with a deformable upper rim is placed in said operative position, the upper end of the holder being seated for pivotal movement of the holder on the front face of the plate by a rigid container with a relatively thick upper rim shifted into said operative position.

2,585,823
SPEED CONTROLLER FOR SPINNING MACHINES
Gilbert F. Norcross, West Caldwell, N. J., assignor to McGlynn Hays Industries, Inc., Belleville, N. J., a corporation of New Jersey
Application December 8, 1949, Serial No. 131,869
9 Claims. (Cl. 57—95)



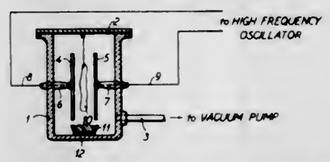
1. In a device for controlling the drive of spinning machines during the bobbin building operation, a basic cam rotatable in increments corresponding to the increments of progressive upward building of the bobbin, a cycling cam rotatable in unison with the traverse of the bobbin building operation, a cam follower for each of said cams, a lower pivoted lever, a rocker arm pivoted at its midpoint to said lower lever, means connecting said cam followers to opposite ends of said rocker arm, an upper pivoted lever connected to said lower lever for movement therewith, a shaft operably coupled to said drive and movable to vary the speed of said drive, and means coupling said upper lever to said shaft to cause said shaft to move when said upper lever moves.

2,585,824
ELECTRIC SWITCH
Everett E. Noyes, Warrensville, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 27, 1948, Serial No. 4,569
20 Claims. (Cl. 200—166)



15. An electric switch comprising a plurality of identical contact brackets each having a pair of contact buttons, said buttons of each bracket secured on opposite sides thereof, spaced mounting means for a first pair of said brackets, respectively, detachably holding said first pair of brackets in spaced relation with respect to each other with one contact button on one of said brackets of said first pair facing one contact button on the other one of said brackets of said first pair approximately along a non-vertical axis, spaced mounting means for a second pair of said brackets, respectively, detachably holding said second pair of brackets in spaced relation with respect to each other with one contact button on one of the brackets of said second pair facing one contact button on the other of the brackets of said second pair along a second axis approximately parallel to the first axis, a pair of conducting contact bridges each having contact end portions at opposite ends thereof, a movable contact carrier movable between and substantially parallel to said axes and defining an opening slidably receiving said contact bridges in spaced apart relation with one pair of the contact end portions extending outwardly from said opening and disposed in one of said axes in alignment with the contact buttons thereof and the other pair of contact making end portions extending outwardly from said opening and disposed in the other of said axes in alignment with the contact buttons thereof, a metal spring biasing said bridges apart, insulating retainers between said bridges respectively and said spring and shaped to hold said spring and bridges in assembled relation in said opening, and means for moving said carrier from a position wherein one of said bridges forms an electrical connection between two of said contact buttons to a position wherein the other of said contact bridges forms an electrical connection between the other contact buttons which face said two contact buttons.

2,585,825
METHOD OF DRYING, CONCENTRATING BY EVAPORATION, OR DISTILLING HEAT-SENSITIVE SUBSTANCES
Johan Ernst Nyrop, Hellerup, by Copenhagen, Denmark
Application September 23, 1946, Serial No. 698,634
In Denmark June 26, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 17, 1964
4 Claims. (Cl. 34—1)



1. In a method of drying, concentrating by evaporation or distilling a heat-unstable substance of the character of blood, sera, plasma, hormone preparations and the like at a low temperature in vacuo, the requisite heat being produced in the said substance by means of high-frequency electrical energy, said substance being placed between the electrodes, the step of adjusting the electric field strength and the air pressure in the treating zone constituting the space between the electrodes so that the said field strength F does not exceed a value measured in volts per centimeter of the distance between the electrodes which is determined by the equation $F=333\frac{1}{3}\cdot p$ volts per centimeter, p denoting the air pressure in millimeters of mercury.

this mutual relationship between field strength and air pressure being such as to establish only ion currents of a strength and extent such that the resultant luminous zones are remote from the substance being treated, whereby undesired overheating of the latter is avoided.

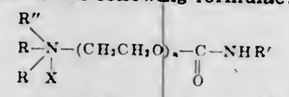
2,585,826

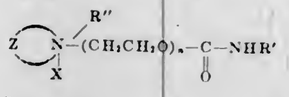
CARBAMATE-QUATERNARY AMMONIUM COMPOUNDS AND THEIR PREPARATION

Robert T. Olsen, Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

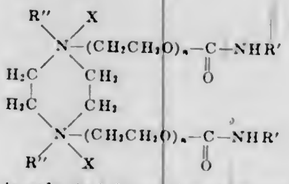
No Drawing. Application November 5, 1948, Serial No. 58,612
4 Claims. (Cl. 260—247.2)

1. Compounds selected from the class consisting of those of the following formulae:





and



wherein R is selected from the class consisting of β-hydroxyalkyl and hydroxy polyalkyloxyalkyl, R′ is selected from the class consisting of alkyl, phenyl and naphthyl, *n* is a whole number, Z represents the atoms necessary to complete a nitrogenous heterocyclic ring system selected from the class consisting of tetrahydroquinoline, morpholine, piperazine and pyrrolidine, R″ is selected from the class consisting of β-hydroxyalkyl, hydroxyalkoxyalkyl and hydroxypolyalkyloxyalkyl, and X is an anion.

2,585,827

RESINOUS COMPOSITIONS AND METHODS OF PREPARING THE SAME

John J. Padbury, Stamford, and Edward L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 1, 1947, Serial No. 738,738
7 Claims. (Cl. 260—22)

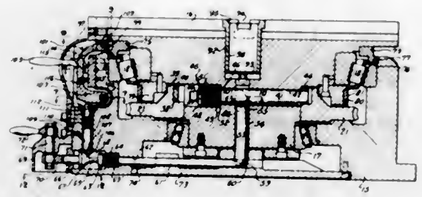
1. The method of preparing a resinous polyester which comprises partially esterifying a polymeric allyl alcohol with a monocarboxylic acid selected from the class consisting of nuclearly halogenated benzoic acids, and mono-, di- and trihalogenoalkyl benzoic acids, the carboxyl group of the said monocarboxylic acid being the only substituent thereof which is reactive in an esterification reaction, said partial esterification being effected at a temperature within the range of 150° C. to 250° C., and esterifying the resulting partial esterification product with a member of the class consisting of tetrafluorosuccinic acid, tetrafluorosuccinic anhydride and mixtures thereof, this last esterification reaction likewise being effected at a temperature within the range of 150° C. to 250° C., and the amount of said tetrafluorosuccinic substance being at least 25 mol per cent of the total amount of the said monocarboxylic and tetrafluorosuccinic acid substances employed.

2,585,828

ROTARY INDEXING FIXTURE

Alan H. Pearson, Detroit, Mich., assignor to Pearson, Inc., Detroit, Mich., a corporation of Michigan

Application February 18, 1946, Serial No. 648,463
15 Claims. (Cl. 90—56)



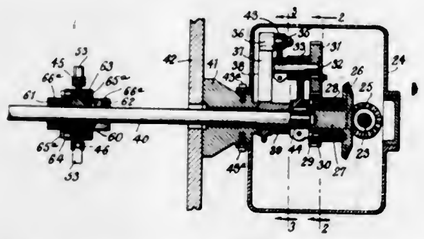
1. An indexing fixture comprising a rotatable table having circumferentially spaced projections, a gage member, a holder for the gage member supported for movement relative to the table in directions to position the gage member into and out of the path of said projections, means normally urging the holder to a position wherein the gage member is located in the path of travel of the projections, driving means connected to the table for rotating the latter, means for disconnecting the driving means from the table permitting free rotation of the table relative to said driving means, and means responsive to disconnecting the driving means to move the holder to a position wherein the gage member is located out of the path of travel of the projections.

2,585,829

CONVEYER MECHANISM FOR CONFECTIONERY MACHINES

George S. Perkins, New York, N. Y., assignor to National Equipment Corporation, New York, N. Y., a corporation of New York

Application February 16, 1949, Serial No. 76,691
2 Claims. (Cl. 198—135)



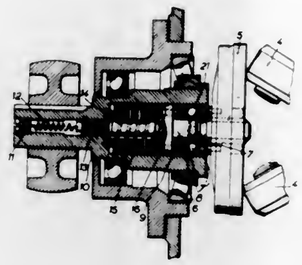
2. In a conveying mechanism for confectionery machines, conveyor chains for moving trays, an intermittently-rotated conveyor shaft provided with sprockets over which said chains extend, a stud shaft axially aligned with the conveyor shaft, an arm carried by and extending radially from the stud shaft, a pin rotative at the end of the arm, a crank mounted on and rotative with said pin, a gear for rotating the pin, a fixed gear surrounding the stud shaft and within which said stud shaft is rotative, said fixed gear being in mesh with the gear carried by the pin, a block carried by the outer end of the crank, a slotted arm carried by and extending radially from the conveyor shaft, the block being slidably mounted in said slotted arm and movable back and forth in said slot when the crank is rotated, and a housing in which the stud shaft, gears, arms and crank are mounted.

2,585,830

AUTOMATIC AXIAL PRESSURE DEVICE APPLICABLE TO FRICTION DRIVES

Felix Perruca, Saint-Etienne, France, assignor to Societe des Fabrications Unicum, Paris, France

Application February 4, 1948, Serial No. 6,185
In France February 8, 1947
2 Claims. (Cl. 74—208)



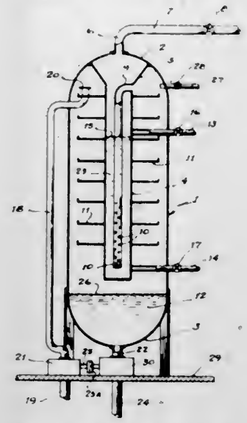
1. In a mechanism including rotary members for transmitting torque by friction under variable ratio drives, the provision of means for automatically varying the axial pressure between said rotary members and including two axially opposed annuli adapted to rotate in unison with the corresponding rotary member and having on their opposed circular faces like sets of circumferentially interengaging segmental grooves the longitudinal axis of which forms a circle round the axis of said annuli, the radial cross-section of the successive grooves forming secants having a predetermined radius and the chord of which is reduced gradually from a maximum at the center of each segmental groove towards a minimum at the cooperating ends of two successive segmental grooves, the outline of each groove along the medial longitudinal cross-section thereof corresponding when developed to the arc of a circle of predetermined radius, and a ball enclosed between each couple of cooperating grooves and the diameter of which is equal to that of the secants forming the cross-section of the latter, the angular shifting of the two annuli with reference to one another producing their axial spacing according to the amplitude of movements of the balls out of their position in register with the central portion of the cooperating grooves and a cage containing said balls and a yielding adjustable stop arrangement for automatically compensating the clearance due to wear between the annuli and balls including a driven member provided with an axial bore tapped at both ends, means yieldingly urging said driven member and corresponding annulus apart, a threaded plug engaging the outer tapped end of said bore, a coil spring one end of which is secured to said plug, a threaded member to which the other end of the spring is secured, screwed inside the inner tapped end of the bore above mentioned and a stop adapted to be urged by the threaded member against the annulus last mentioned.

2,585,831

DEGASIFICATION OF LIQUIDS

Lowell W. Petersen, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

Application November 23, 1946, Serial No. 711,924
7 Claims. (Cl. 183—2.5)



1. In a degasifying apparatus, a treating chamber for treating liquids to release gases therefrom, means for introducing liquids to be degassed into said chamber and for withdrawing degassed liquids therefrom, a vacuum chamber containing an absorbent material within said treating chamber, means for contacting gases released from the liquids in said treating chamber with said absorbent in said vacuum chamber, and means for exhausting gases from said vacuum chamber.

2,585,832

SURFACE BROACH

Wilrose J. Phaneuf, Hudson, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine

Application July 6, 1949, Serial No. 103,238
5 Claims. (Cl. 29—95.1)



1. A sectional broach comprising a longitudinally extended body having a longitudinal channel therein, a plurality of cutting members mounted in and projecting above said body and having side notches therein with converging upper and lower faces, clamping bars mounted on said body and having beveled inner edge portions engaging said cutting members in said notches to firmly seat said members, fixed supporting means for the outer edge portions of said clamping bars, said clamping bars being angularly movable about their outer edge portions to holding position, and securing means effective to force said clamping bars downward and to thereby secure said cutting members in said body.

2,585,833

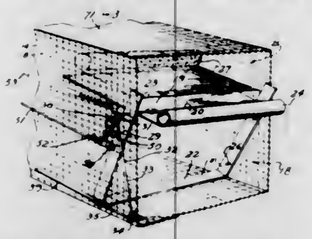
TRAP

Robert E. Pierce, San Jose, Calif.

Application December 27, 1949, Serial No. 135,199
11 Claims. (Cl. 43—76)

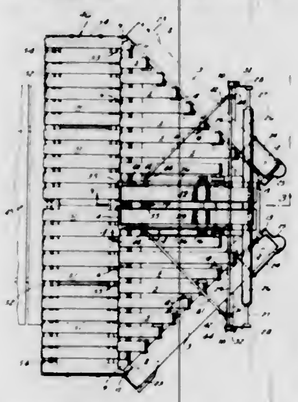
1. An animal trap, comprising a tubular rectangular box having one end closed and a counterbalanced door pivotally mounted at its oppo-

site open entrance end, and a partition arranged at an intermediate position to form a vestibule and a chamber in said box, said partition being cut to provide a restricted opening leading into a rearmost chamber in said box, a bait bin suspended from the top of said box and transversely thereof intermediate said partition and the open entrance end of said box, said partition being arcuate of configuration, a treadle pivotally mounted in said intermediate chamber with its free end disposed to travel in parallelism with the arcuate configuration of said partition, a treadle plate pivotally mounted in said vestibule with its free end disposed in the region of the lower margin of said bait bin, said counterbalanced door having an arm extending therefrom



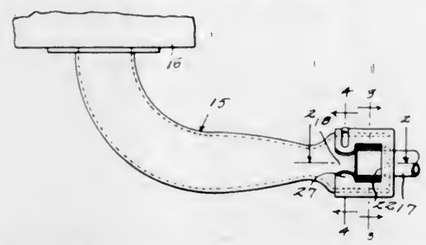
beyond one side wall of said box and provided with a trip finger, and a trip lever associated with said treadle plate and comprising a rod extending therefrom outside said one wall of said box parallel to the same and through an anchor eye adjacent said entrance opening, said rod having an upwardly extending lever provided with a trip ledge adapted to underlie said trip finger of the counterbalanced door for holding the same in an open position, said portion of said rod extending parallel to said one wall of said box being formed to provide a leaf spring adapted to flex upon downward movement of said treadle plate for shifting said upwardly extending lever of said rod and the trip ledge thereof out of supporting relation with respect to said trip finger.

2,585,834
LAUNDRY FLAT PIECE SPREADER
Merton A. Pocock, Minneapolis, Minn.
Application October 20, 1949, Serial No. 122,411
6 Claims. (Cl. 38—143)



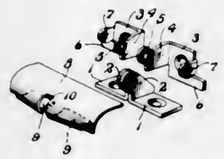
1. In a device of the class described, including a pair of generally horizontally-disposed forwardly-feeding diverging endless conveyor spreader belts, an endless forwardly-feeding main conveyor belt between said pair of belts, the input end of said main conveyor belt being in a horizontal plane below said diverging belts, and drive means for each of said belts, the combination of a floating pressure roll loosely resting on the upper run of the diverging spreader belts adjacent the input end thereof, a second floating pressure roll loosely resting on the upper run of the main conveyor belt adjacent the output end thereof, and a guiding belt running over said floating pressure rolls, said guiding belt feeding in a direction parallel to a line bisecting the angle of said diverging belts.

2,585,835
MIXER CUP
Richard E. Preiss, Chicago, Ill.
Application February 9, 1949, Serial No. 75,423
1 Claim. (Cl. 48—180)



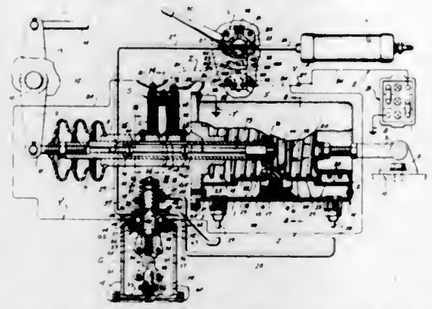
A mixing device for air and gas comprising in combination a Venturi tube having an open end and opposed air intake openings in the wall thereof adjacent said end, a regulating cap comprising a cylindrical body having an open end and a closed end having an aperture therein, and a gas inlet projecting through said aperture, said body being rotatable on said tubular member and having a pair of opposed air intake openings and a pair of split portions, each forming a slot lengthwise of said cap and extending from each of said openings to the inner open end of said cap, said body also having an elongated circumferentially extending slot outwardly of said openings and between said split portions.

2,585,836
HINGE
Herbert Quigley, Hastings, Mich., assignor to National Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application December 9, 1946, Serial No. 714,950
3 Claims. (Cl. 16—148)



1. In a hinge structure adapted to pivotally mount a door upon a fixed jamb, the door being notched to receive said hinge structure, the combination comprising: a base plate adapted to be mounted to said jamb, said base plate having a central post projecting outwardly from said jamb and away from said door when said door is closed, plate means mounted in said notch and having a pair of spaced flanges extending outwardly from said door and adapted to receive said post therebetween; a pin for pivotally securing said flanges to said post; a pair of ears on said plate means, said ears being spaced from said post and arranged one on each side thereof; said ears adjacent said plate means having a recess opening toward said jamb when said door is closed; a substantially U-shaped cover having a long leg and a short leg; the free end of said long leg overlying said door; the other end of said long leg being curved toward said base plate and integral with said short leg; the free end of said short leg being inclined toward said long leg for nesting within said recess.

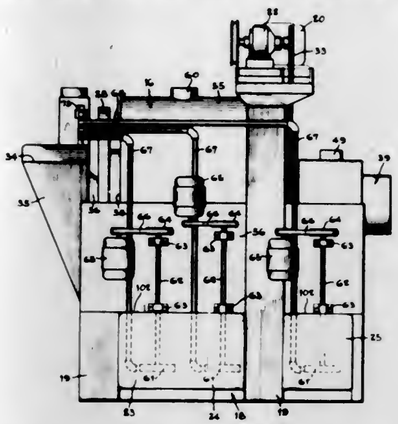
2,585,837
FLUID PRESSURE ACTUATED MOTOR AND CONTROL SYSTEM THEREFOR
Glenn T. Randol, St. Louis, Mo.
Application June 1, 1946, Serial No. 673,871
23 Claims. (Cl. 121—38)



1. In a fluid-actuated motor having a casing and a movable actuating element, means for biasing the element to a predetermined position in its travel, and means responsive to a pressure differential to exert a force on the element to move the same against the force of the biasing means to a second predetermined position; the improvements which comprise means for locking said element in the second position comprising a movable member carried outside of the casing and mounted for engagement with said actuating element to lock said actuating element in said second position, an actuating member carried by said actuating element for movement relative to said element, additional means also responsive to a pressure differential for applying a force to said actuating member effective to move it relative to said element locked at the second position, and a cam on said actuating member and movable therewith relative to said actuating element for engaging said movable member upon relative movement of said actuating member with respect to said actuating element to move said member in position to unlock the locking means.

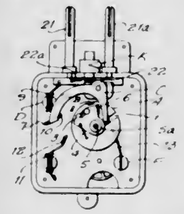
2,585,838
SEQUENTIAL BATCH TREATING APPARATUS
Nathan Ransohoff, Cincinnati, Ohio, assignor to N. Ransohoff, Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application December 18, 1948, Serial No. 66,109
18 Claims. (Cl. 51—164)

2. An apparatus for exposing a batch of work pieces to a sequence of liquid treatments comprising; a container arranged to agitate a batch of work pieces, a plurality of tanks for containing treatment solutions, an individual power driven pump for each of said tanks having means for discharging the contents of each tank upon the work pieces in the container, a sump disposed beneath the container, the container having drainage openings to cause the solution to pass through the work pieces to the sump, the sump having a plurality of ports communicating with said respective solution tanks, a respective power operated valve for each of said ports, and means interconnecting the respective pump and valve of each tank whereby the corresponding valve



of a tank is opened when the pump for that tank is energized, to permit circulation of individual solutions through the work pieces in sequence.

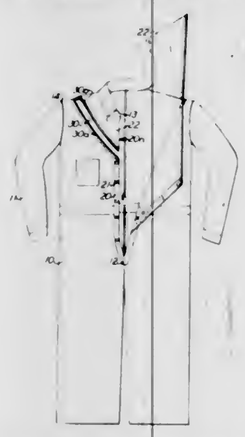
2,585,839
TIME INTERRUPTER FOR ELECTRIC APPARATUS
Aldo Roberto Rasini, Rosario, Argentina
Application August 11, 1948, Serial No. 43,573
In Argentina February 27, 1948
2 Claims. (Cl. 161—1)



1. A timing switch for electrically operated appliances controlled by a clock mechanism, comprising a shaft adapted to be rotated by the clock mechanism; a circular disc carried on said shaft and having a radial slot extending from the circumference of the disc towards its center; a two-armed lever fulcrumed at a point spaced from the circumference of said disc, the first arm of said lever adapted to ride on the circumference of the disc as the disc is rotated; a projection carried by said first lever arm and positioned to engage said slot in said disc at a predetermined relative position of disc and lever; resilient means urging said first lever arm towards said disc; an electrical contact member mounted on said second lever arm; two spaced contacts, the first contact being positioned to contact said contact on said second lever arm when said first lever arm rides on the circumference of said disc, said second contact being positioned to contact said contact on said second lever arm when said projection on said first lever arm has entered said slot on said disc; two terminals; a selector switch connecting either of said first or second contacts to the first of said terminals; a plug having two connectors, the first of said connectors being connected to said second terminal, the second of said

connectors being connected to said contact carried by said lever; a sector rotatably mounted coaxially to said disc; a knob for manually rotating said sector; a pointer positioned by said knob; a dial positioned to indicate the angular displacement of said pointer; means actuated by said sector for engaging said disc at a predetermined relative angular position of said disc and said sector; and means actuated by said sector disengaging said projection on said first lever arm from said slot in said disc at a predetermined relative angular range of said disc and said sector.

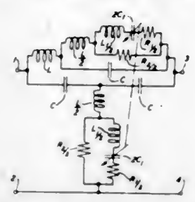
2,585,840
UNION OVERALL GARMENT CONSTRUCTION
John F. Reynolds, Grinnell, Iowa
Application May 19, 1950, Serial No. 162,958
4 Claims. (Cl. 2—79)



1. In a unitary garment having a crotch portion, shoulder portions, a collar portion, and a front portion having a vertical closable opening extending from the collar toward the crotch, that improvement which comprises a pair of closable slits in the said front portion extending from the outer apex of each shoulder downwardly and inwardly and meeting along said opening between said collar and said crotch, said slits defining a V-shaped upper border for the front portion below said slits and defining a V-shaped lower border for an upper front portion above said slits, the top of said slits at the apex of each shoulder serving to define the extremities of a fold line across the apex of the garment whereby said front portion above said slits is adapted to be placed downwardly behind the back portion of the garment when the slits are open.

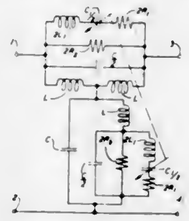
2,585,841
BRIDGED T PHASE SHIFTER
Paul H. Richardson, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 22, 1949, Serial No. 117,255
23 Claims. (Cl. 178—44)

1. A variable phase shifter of the bridged-T type comprising two series reactances each of value X_1 at the operating frequency f_o, an interposed shunt branch comprising a reactance of value $-X_1/2$ at f_o in series with a first general reactive impedance $Z/2$, a bridging branch comprising a reactance of value $-X_1$ at f_o and a third reactance of value X_1 at f_o connected in series, and an arm connected in parallel with said third reactance of value X_1 comprising a second reactance of value $-X_1/2$ in series with a second general reactive impedance $Z/2$, X_1 being equal



in magnitude to the image impedance R_o of the phase shifter and said general reactive impedances being adjustable and substantially equal in value.

2,585,842
BRIDGED T PHASE SHIFTER
Paul H. Richardson, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application September 22, 1949, Serial No. 117,255. Divided and this application September 29, 1950, Serial No. 187,493
23 Claims. (Cl. 178—44)

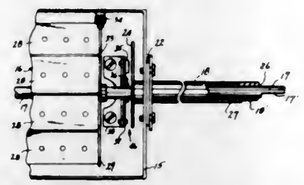


1. A variable phase shifter of the bridged-T type comprising two series reactances each of value X at the operating frequency f_o, an interposed shunt branch comprising a reactance of value $-X$ at f_o in parallel with an arm comprising a third reactance of value X in series with the parallel combination of a reactance of value $-2X$ and an adjustable reactive impedance of value Z, and a bridging branch comprising a second reactance of value $-2X$ in parallel with a second adjustable reactive impedance of value Z, X being approximately equal in magnitude to the image impedance R_o of the phase shifter.

2,585,843
PROCESS FOR INHIBITING RUSTING
Dilworth T. Rogers, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 8, 1949, Serial No. 69,983
3 Claims. (Cl. 44—66)

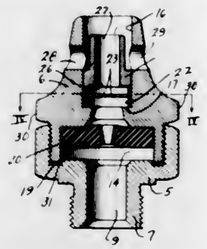
1. A process for inhibiting the rusting of the internal surfaces of internal combustion engines during periods of idleness after said surfaces had been exposed to combustion utilizing leaded motor fuels containing an organic halide scavenging agent which comprises burning in said engine prior to its period of idleness a motor fuel containing from about .01% to 1.0% by weight of a partial ester formed from an aliphatic polyhydroxy alcohol and at least one monocarboxylic acid which is characterized by containing from about 8 to 24 carbon atoms per molecule.

2,585,844
TUNER CONSTRUCTION
Robert Romero, Forest Hills, N. Y., assignor to Leonard Electric Products Corp., Brooklyn, N. Y., a corporation of New York
Application September 27, 1950, Serial No. 186,941
3 Claims. (Cl. 64—1)



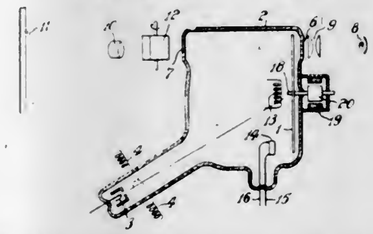
1. In an apparatus of the character described, the combination of a container having an open mouth, an elongated tubular shaft having an exterior annular channel whereby a reduced portion exists intermediate the ends of said tubular shaft; said container having an open bearing in a wall thereof of a size to admit said reduced portion whereby an end of the tubular shaft is positioned through said mouth in a lateral direction, a detachable plate adapted to be mounted on the container to close said bearing; said plate being carried loosely on the tubular shaft, spring means on the container, pressing the tubular shaft in a lateral direction, an inner shaft positioned through the tubular shaft and extending outwardly from each end thereof and means to hold the shafts against relative longitudinal movement; the walls of the channel being substantially in contact with the respective surfaces of the wall of the container; the tubular shaft being rotatable in said bearing and the inner shaft being rotatable with respect to the tubular shaft.

2,585,845
BUBBLER FOUNTAINHEAD
Robert A. Rosenblum, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application September 26, 1946, Serial No. 699,484
7 Claims. (Cl. 299—15)



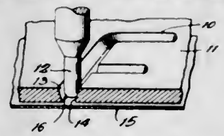
7. In a bubbler head structure including a hollow cylindrical housing having a liquid inlet and also defining a liquid discharge and a drinking orifice, a shouldered chamber inwardly of the orifice but in communication with both the inlet and the orifice to receive a resilient ring of rubber-like material engageable with said chamber shoulder with a central pressure control orifice in alignment with said discharge orifice, said shoulder presenting a substantially flat side engageable with the ring so that pressure of the incoming liquid from said inlet will deflect the central portion of said ring in the locale of said central control orifice towards the discharge orifice in response to variations in pressure to control the flow of liquid through and out of the discharge orifice, and diffusion means in said housing between said shoulder chamber and said orifice to break up the liquid stream through the orifice into an ebullient flow for drinking purposes.

2,585,846
RECEIVER TUBE HAVING MOVABLE SCREEN WITH IONIC CRYSTAL LAYER FOR LIGHT MODULATION
Adolph H. Rosenthal, New York, N. Y., assignor, by mesne assignments, to Skiatron Electronics and Television Corporation, a corporation of New York
Application February 28, 1948, Serial No. 12,036
In Great Britain June 1, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires June 1, 1959
30 Claims. (Cl. 178—7.5)



30. A scanning transparency control device comprising an envelope, a rotatable screen carrier in said envelope, a layer covering a zone on said screen carrier of a material the transparency of which can be controlled by a cathode ray beam and being an ionic crystal material of the type in which the injection of electrons into the crystal lattice can produce an opacity area covering a zone on said screen carrier, means for scanning a portion of said layer with a cathode ray beam modulated in intensity in accordance with electrical variations, in such a manner that when said screen carrier is rotated, successive areas of said layer are scanned, at least one window in said envelope, and means for restoring a datum level of intensity in said layer of said zone on said screen carrier, and said scanning means, window, and restoring means being arranged in such positions that any portion of said zone during rotation of said screen carrier passes under the influence of said scanning means, window, and restoring means in the order mentioned.

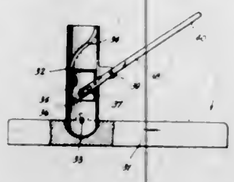
2,585,847
LETTERING GUIDE FOR STENCILING OPERATIONS
Allan I. Roshkind, Chicago, Ill., assignor to A. B. Dick Company, Chicago, Ill., a corporation of Illinois
Application December 20, 1948, Serial No. 66,296
3 Claims. (Cl. 33—174)



1. In combination, a stylus having a writing end and a flared out portion immediately adjacent the writing end and a lettering guide comprising a plate member having lettering openings defined by walls which taper toward each other

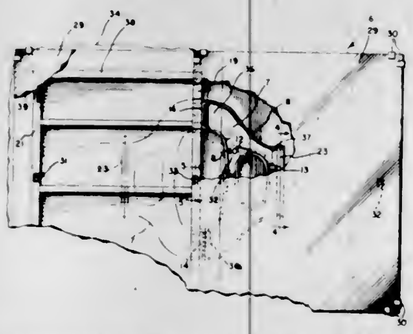
from the top side of the plate to the bottom side whereby a flared out portion of the stylus operatively engages an intermediate portion of a tapered wall when the stylus is in writing position.

2,585,848
SPIRAL PROJECTOR AND PROPELLER
Percy W. Russell, Jacksonville, Ill.
Application December 19, 1946, Serial No. 717,284
3 Claims. (Cl. 46—85)



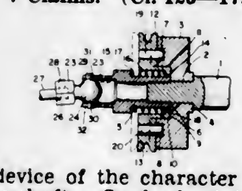
3. In combination, a projectile containing a stem having a stud-like projection extending transversely adjacent the lower end thereof; a disc-like member fastened adjacent the upper end of the stem and containing a series of radial slots extending to the outer periphery thereof, the areas between the slots being canted to form blades to lift the projectile when the stem is rotated in one direction; and a projecting device for launching the projectile including a tube-like member to receive the stem and containing a spiral groove in the inner wall thereof for engagement with the stud-like projection, a piston reciprocably mounted within the tube-like member below the stem for engagement with the end thereof, and a lever member for manually actuating said piston to eject the stem from the tube-like member with a force which can be varied at the will of the operator.

2,585,849
CABINET DOOR HINGE STRUCTURE
Oscar E. Ryman, Maywood, Ill.
Application February 14, 1949, Serial No. 76,351
4 Claims. (Cl. 16—163)



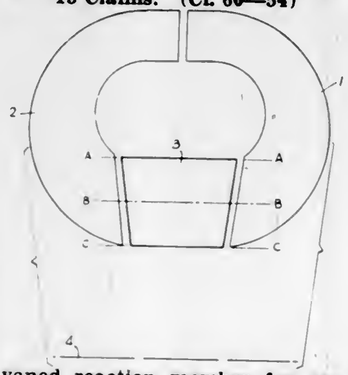
1. Articulate hinge means and snap holding means adapted to be secured to a cabinet and a cabinet door opening in parallelogramic relationship to the said cabinet for latching the said cabinet door in open position, comprising a pair of cabinet attaching brackets adapted to be secured to the said cabinet, a cabinet door attaching bracket adapted to be secured to the rear surface of the said cabinet door, U-shaped bracket means having an end portion forming ears to accommodate the said cabinet door attaching bracket in articulate relationship, and having also arm portions each provided with plural ear portions to be secured articulately to the said cabinet attaching brackets, snap holding means including male latch means releasably engageable and mountable on the rear surface of the said cabinet door, and a latching ear portion extending over the edge of the clutch portion of the said U-shaped bracket means releasably engaging the said male latch means to maintain the said cabinet door in open position.

2,585,850
DEVICE FOR FACILITATING THE STARTING OF ENGINES
Robert H. Sager, Willoughby, Ohio
Application January 3, 1949, Serial No. 68,939
7 Claims. (Cl. 123—179)



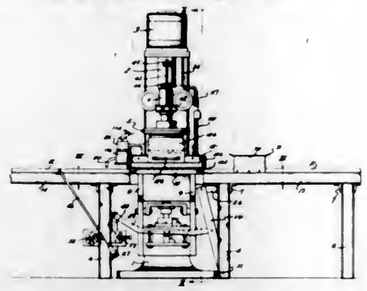
1. In a device of the character described, an engine drive shaft, a flywheel rotatable with said shaft, a pulley rotatable relatively to said shaft, means for interlocking said pulley and flywheel to permit rotation thereof as a unit, and spring means bearing against said pulley to cause said interlocking.

2,585,851
ROTARY TORQUE CONVERTER OF THE IMPELLER TURBINE REACTOR TYPE
Piero Mariano Salerni, Cox Green, England, assignor to Laura Patrizia Fiorenza Lidia Salerni, Dublin, Eire
Application February 14, 1948, Serial No. 8,361
In Great Britain December 29, 1947
15 Claims. (Cl. 60—54)



1. A vaned reaction member for use in hydraulic power transmission apparatus of the kind whereby transmission of power can be effected by liquid circulating in a closed circuit through an impeller, a turbine and a reaction member at a torque ratio greater than 1:1 independently of any mechanical gearing, the reaction member having vanes the mean outlet angle of which is well below 90° but not less than 65°, the inlet ends of the vanes being formed with bulbous heads, the number and construction and arrangement of the vanes being such that every plane containing the axis intersects at least one vane and the outlet angle being progressively greater in parts of each vane more remote from such axis than in parts nearer to such axis.

2,585,852
RESILIENT BATT CUTTING MACHINE
Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application January 29, 1948, Serial No. 5,016
11 Claims. (Cl. 164—21)



1. In a machine to sever articles from a resilient batt of fibrous material, a bed plate, a cutter movable to and from said bed plate, means to advance an elongated batt over said plate, means to actuate said cutter, holding elements arranged to engage the parts of said batt to be severed and retain those parts in the batt skeleton after the cutting operation, and batt shifting means to laterally distort the portion of the batt in which cuts are being made relatively to the remainder of the batt to permit a plurality of rows of articles to be severed from the batt with a single cutter.

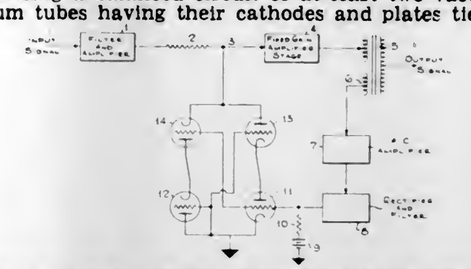
2,585,853
HOSIERY SUPPORTING MEANS
Kay Schafler, Ocean Side, N. Y.
Application August 16, 1949, Serial No. 110,540
1 Claim. (Cl. 2—240)



In combination with a stocking, a supporting means therefor comprising an even number of string-like members basted movably on and around the upper region of the stocking and each arranged thereon as a helix of a plurality of turns; half the number of said helixes being wound in clockwise direction and the remainder in counter-clockwise direction, and all said helixes between their ends, being out of contact with each other; the lower end of each helix being movable with the stocking downwardly on the leg of a wearer.

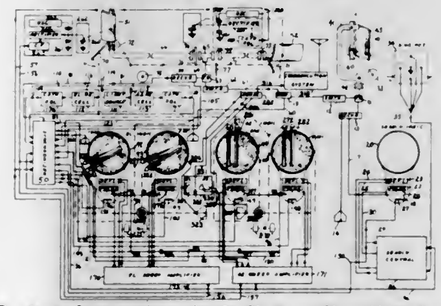
2,585,854
AUTOMATIC VOLUME CONTROL FOR SEISMIC AMPLIFIERS
Clarence B. Scott, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 27, 1949, Serial No. 123,926
3 Claims. (Cl. 179—171)

1. In an electronic amplifier circuit for seismic recording, including an automatic volume control network comprising a variable attenuation stage feeding the control point of a fixed gain amplifier stage wherein automatic volume control is effected by sampling the signal, amplifying the sampled signal and feeding back the amplified sample signal through a rectifier and filter network to the variable attenuation stage, an improved variable attenuation stage comprising a voltage divider consisting of a fixed resistor and an electronic resistor, said electronic resistor comprising a balanced circuit of at least two vacuum tubes having their cathodes and plates tied



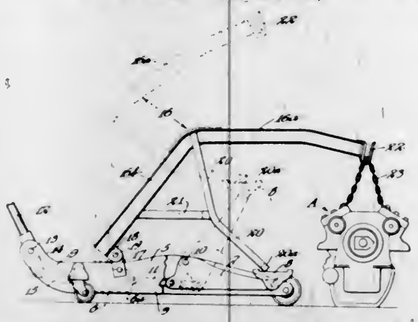
back-to-back, one tied cathode-plate pair being grounded, another tied cathode-plate pair being connected to the said fixed resistor of the voltage divider and to the control point of said fixed gain amplifier stage, the control grids of the vacuum tube whose cathode is grounded and of the vacuum tube whose cathode is tied to said fixed resistor being connected to the output of said rectifier-filter network and through a second fixed resistor to a source of negative bias potential.

2,585,855
RADAR GROUND-CONTROLLED APPROACH SYSTEM FOR AIRCRAFT
Chalmers W. Sherwin, Belmont, Mass., and Lawrence H. Johnston, Santa Fe, N. Mex., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application August 11, 1944, Serial No. 549,044
18 Claims. (Cl. 343—11)



8. A radar system including a directional antenna, means for periodically impressing an exploratory pulse on said antenna, means causing said antenna to scan a limited angle, a cathode-ray tube having a screen, a sweep generator initiating a sweep in timed relation to said pulse, deflecting means for said tube, said deflecting means being connected to said generator for producing a polar indication in terms of said angle and range of objects producing echoes of said pulse, means connected to said tube to locate the polar origin of said sweeps substantially away from the center of said screen, circuits within said sweep generator for angularly expanding said polar indication, and an antenna angle synchronizing means interconnecting said antenna and said sweep generator, whereby the polar presentations on said screen have a predetermined angular relation to the angular position of said antenna.

2,585,856
HOIST ATTACHMENT FOR JACKS
James Schmieder, Austin, Minn.
Application October 11, 1947, Serial No. 779,319
2 Claims. (Cl. 254—2)



1. In combination with a wheeled jack having a frame and a vertically extensible member with a flat surface at the top thereof, a hoist attachment comprising an A frame, the lower end of one leg of said A frame being pivotally mounted on said jack frame and the other leg of said A frame slidably engaging the flat horizontal top surface of said extensible jack member, a horizontally disposed boom element having its rear extremity fixed to the apex of said A frame, said extensible jack member tilting said A frame on its pivotal connection with said jack frame to controllably raise and lower said horizontal boom element, and means for attaching an article to the free end of said boom element to be raised and lowered therewith.

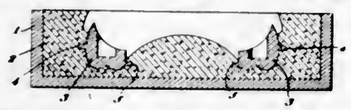
2,585,857
ARTIFICIAL TOOTH
Jacob D. Schwartz, Pittsburgh, Pa.
Application March 9, 1948, Serial No. 13,920
1 Claim. (Cl. 32—10)



In an artificial denture having a plastic base, the combination of an artificial tooth, comprising a tooth body being provided with an opening in a portion of said tooth body that is normally to be covered by said plastic base, said opening being adapted to receive one end of a rigid retaining pin in a manner that will leave the other end of said pin extending outwardly beyond said tooth body in a direction away from the denture base, to enable soft investment material to surround and anchor said other end of said retaining pin when the tooth is invested in investment material.

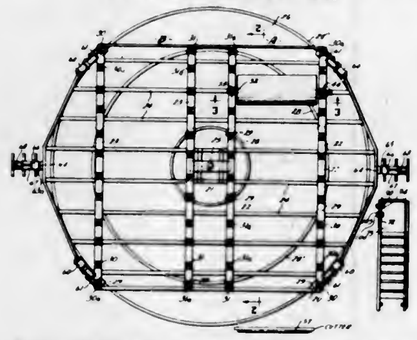
2,585,858
ARTIFICIAL TOOTH WITH RETENTION MEANS
Jacob D. Schwartz, Pittsburgh, Pa.
Application April 28, 1948, Serial No. 23,695
1 Claim. (Cl. 32—10)

An artificial tooth, for use in artificial dentures having a plastic base, comprising a tooth body, said tooth body having a raised area on its buccal surface located closely adjacent the occlusal surface of said tooth, said raised area being of sufficient height to constitute a definite obstruction to prevent displacement of said tooth



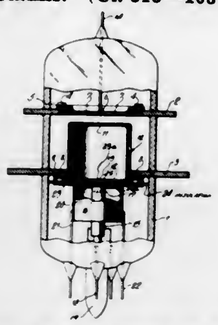
from its invested position when invested in plaster of Paris.

2,585,859
TURNTABLE FOR PAPER ROLL STANDS
Frank W. Showalter, West Carrollton, Ohio, assignor to The American Envelope Company, West Carrollton, Ohio, a corporation of Ohio
Application October 14, 1947, Serial No. 779,753
11 Claims. (Cl. 242—64)



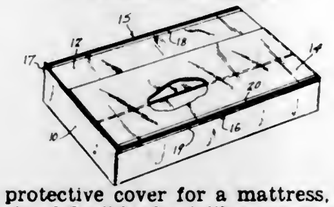
1. A turntable for paper roll stands comprising a horizontal frame mounted for rotation about a vertical axis, rollers supporting said frame for movement about said axis, two substantially parallel series of roll stands mounted on said frame on opposite sides of said axis, each stand having means for supporting a roll of paper for movement about a horizontal axis, the several roll supporting means of each series of stands being so arranged that the webs of paper may be withdrawn from the rolls on said series of stands lengthwise of said series of stands and in superposed relation one to the other, and means for imparting rotary movement to said frame.

2,585,860
MICROWAVE DYNATRON
Albert M. Skellett, Madison, and Lawrence E. Loveridge, Rutherford, N. J., assignors to National Union Radio Corporation, Orange, N. J., a corporation of Delaware
Application June 30, 1949, Serial No. 102,172
8 Claims. (Cl. 313—103)



1. A dynatron tube, comprising an evacuated enclosing envelope containing an electron-emitting cathode, a dynode, a dynode-grid adjacent the dynode and positively biased with respect thereto to set up a negative resistance therebetween, and Faraday cage means constituted in part of said dynode-grid to set up between the grid and cathode a field-free space for secondary electrons which tend to oscillate with respect to said grid.

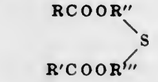
2,585,861
MATTRESS COVER
Jack Small and Leo Brody, Bronx, N. Y.
Application August 30, 1950, Serial No. 182,184
7 Claims. (Cl. 5—354)



1. A protective cover for a mattress, comprising a pair of flexible sheet-like waterproof members each of a length substantially equal to that of the mattress and of a width less than the width of the mattress but greater than half the width of the mattress, and means for detachably connecting each of said members along one of its sides to a different one of the two sides of the mattress.

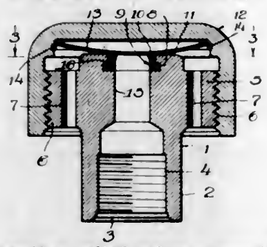
2,585,862
SYNTHETIC LUBRICANTS
Paul V. Smith, Jr., Westfield, N. J., and Alexander H. Popkin, New York, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 1, 1949, Serial No. 124,943
4 Claims. (Cl. 260—399)

1. As a new composition of matter a compound of the formula —



where R and R′ are alkyl radicals containing 8 and 20 carbon atoms each, at least one of such radicals being a C_8 to C_{11} "Oxo" radical, and where R″ and R‴ are alkylene radicals containing 2 to 5 carbon atoms each.

2,585,863
SNAP-ACTION RELIEF VALVE
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application April 1, 1946, Serial No. 658,697
4 Claims. (Cl. 137—53)

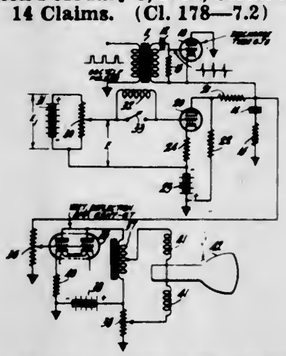


1. A snap action relief valve, comprising a valve body provided with a fluid passage and one or more outlets, a resilient sealing ring mounted on and forming a port of the passage, said sealing ring being provided with a sealing lip projecting above the adjacent surface of the valve body, a cap mounted upon the body, and a snap acting disc spring carried in the cap so as to continuously and positively seat and seal against the lip until the pressure below the disc builds up to the point where the disc is snapped into open position.

2,585,864
PRINTING PLATE ETCHING
Karl Sollner, Chevy Chase, Md., assignor to Harris-Seybold Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 7, 1949, Serial No. 120,229
10 Claims. (Cl. 41—42)

1. In preparing a metal printing plate of the group consisting of chromium, chromium alloys and nickel, incorporating in a magnesium chloride etching solution a catalytic amount of chlorplatinic acid, and etching the plate in such solution.

2,585,865
FILM SCANSION APPARATUS
Frank J. Somers, Rockville Centre, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 6, 1948, Serial No. 6,766
14 Claims. (Cl. 178—7.2)

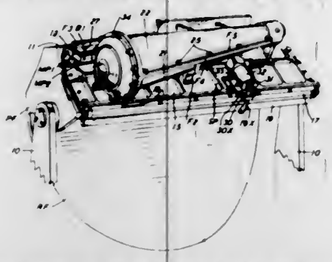


1. In film scansion apparatus for scanning an image recorded on a film, means for producing a spot of light of elementary cross-sectional area, means for directing the spot of light onto the film, means for moving the spot in at least one coordinate of motion, means for moving said film along a path of travel substantially in alignment with said coordinate of spot motion, movable electrical means, means for moving said movable electrical means at a speed bearing a definite and constant relationship to the instantaneous speed of linear movement of the film thereby to develop a wave form whose value is related to the instantaneous speed of linear film movement, and means to utilize the developed wave form as a compensating wave form to influence the speed of movement of the light spot in its coordinate of motion while the film is moving.

2,585,866
ANTENNA MECHANISM
Charles F. Spahn, Jr., New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 28, 1948, Serial No. 41,047
3 Claims. (Cl. 250—33.63)

2. A radio signaling apparatus comprising a plurality of wave guide sections disposed in con-

tiguous registering relation to each other, a plurality of concentrically disposed conical casings forming one of said sections, a sleeve element serving as a spacer between said casings, said sleeve having a helix formed edge from which the energy is collimated toward the larger end of said conical casings, a cover member and a ring secured to said casings at the larger end thereof



forming another of said wave guide sections contiguous to the wave guide section formed by said casing sections, a radially disposed hollow arm pivoted in said cover member having its free end disposed for rotation in juxtaposition to the wave guide section formed by said cover member and said ring, and actuating means defining a clutch and a gear mechanism for actuating said arm mounted in one of said conical casings.

2,585,867

PROCESS FOR POLYMERIZING ISOOLEFINS USING METHYL CHLORIDE SOLUTION OF BF_3 AS CATALYST

William J. Sparks, Westfield, N. J., and Robert M. Thomas, Baton Rouge, La., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Delaware

No Drawing. Application March 5, 1948, Serial No. 13,342
2 Claims. (Cl. 260—85.3)

1. The method of polymerizing a mixture of a mono-olefin and a multiolefin in which the mono-olefin has from 4 to 20 inclusive carbon atoms per molecule and is present in the proportion between 10% and 90%, and the multiolefin has from 4 to 14 inclusive carbon atoms per molecule, and is likewise present in the proportion between 10% and 90%, comprising the steps in combination of cooling the material to a temperature within the range between —40° and —103° C. and copolymerizing the two unsaturates by the steps of adding thereto at the low temperature boron fluoride in solution in methyl chloride to produce a polymeric body having a molecular weight within the range between 25,000 and 150,000.

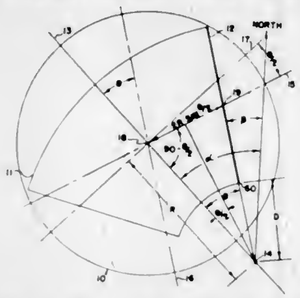
2,585,868

SECTOR SCANNING RADAR DEVICE

Carl Philip Spaulding, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application August 20, 1945, Serial No. 611,645
14 Claims. (Cl. 343—11)

2. In a radio object-locating system using sector display, a rotatable antenna having a reference direction, a cathode ray tube employing two sets of rotating deflection coils, follow-up drive means coupled to said antenna whereby the angular velocity of the first set of coils is substantially equal to the antenna angular velocity, a sawtooth wave sweep circuit applying current to the first set of coils, first and second differential means into which are coupled the output of said follow-up system, crank means coupled to said first and to said second differential means, means causing the output of said first differential means to be dependent upon the position of said follow-up system and the position of said crank means, first reduction gearing means having a 2:1 ratio and into which is coupled the output of said first differential means, means coupling the output of said first reduction gearing means to said second set of coils, whereby the angular velocity of said second set of coils is substantially half the angular velocity of said antenna, a sweep circuit for transferring current into said second set of coils comprising an oscillator, a selsyn into one winding of which the output of said oscillator is coupled, means whereby the output of said selsyn at any instant is substantially proportional to the sine of half the angle the antenna makes with the reference direction at that instant comprising said second differential means, the output of said second differential means being dependent upon the rotation of said follow-up system and



the rotation of said crank means, a second reduction gearing means of ratio 2:1 coupled to the output of said second differential means, and means mechanically coupling the output of said second reduction gearing means to said selsyn means, a range potentiometer into which is fed the output of said selsyn, means causing the output of said range potentiometer at any instant to be substantially proportional to the distance from the center of curvature of said sector to the geometrical center of said sector multiplied by the sine of half the angle the antenna makes with the reference direction at that instant, a phase sensitive detector into which is fed the output of said range potentiometer and the output of said oscillator, means applying the output of said phase sensitive detector into said second set of coils and means causing the current in said second set of coils at any instant to be substantially proportional to twice the distance from the center of curvature of said sector to the geometrical center of said sector multiplied by the sine of half the angle the antenna makes with the reference direction at that instant.

2,585,869

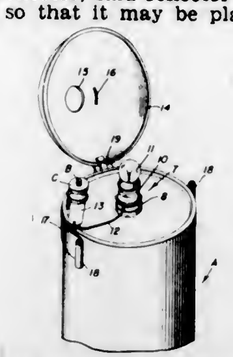
LIGHT REFLECTOR ATTACHMENT FOR USE ON DRY CELLS

John Peter Speckman, East St. Louis, Ill.

Application December 15, 1947, Serial No. 791,924
1 Claim. (Cl. 240—10.61)

For use on a conventional dry cell having customary positive and negative binding posts mounted in one end and projecting beyond said end, one post being axially positioned in relation to the longitudinal axis of the dry cell and the remaining post being eccentrically positioned relative to said longitudinal axis, and a source of illumination separably associable with said

posts; an attachment for the body of said dry cell comprising a substantially semi-circular resilient clamping band partially and separably embracing the post-equipped end portion of said dry cell body, the intermediate upper edge portion of said band being provided with spring gripping fingers, and a complemental semi-spherical reflector, said reflector being centrally apertured so that it may be placed in a hori-



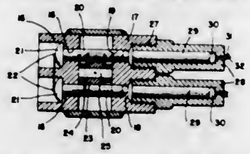
zontal position in parallelism with the cooperating end of said dry cell and held removably in place on the axially centered binding post, a marginal edge portion of said reflector being releasably engaged with said spring fingers, whereby the reflector may be converted from the horizontal to a vertical position in which position it extends beyond the cooperating end of the dry cell for proper coaction with said source of illumination.

2,585,870

RELEASE MECHANISM

Warren L. Spielman, Louisville, Ky., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application March 26, 1945, Serial No. 584,945
4 Claims. (Cl. 89—1.5)



1. A supporting and releasing mechanism, comprising a member adapted for connection to a supporting structure, a pair of releasable pins passing through bores in said member, rupturable means holding said pins in place, a notched member adapted for attachment to a supported article, a pair of opposed notches in said last named member engaging said pins, and separate explosive means associated with each said pin and arranged upon detonation thereof to drive said pin from engagement with said notched member and rupture said rupturable means, whereby to release said supported article from said supporting structure.

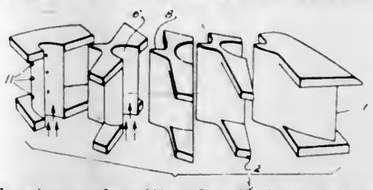
2,585,871

TURBINE BLADE CONSTRUCTION WITH PROVISION FOR COOLING

Edward A. Stalker, Bay City, Mich.

Application October 22, 1945, Serial No. 623,695
9 Claims. (Cl. 253—39.15)

5. In combination, a plurality of nested elements fixed in tandem relation to form a turbine blade having a plurality of chordwise spaced discharge slots between adjacent said elements for discharge of a flow of cooling fluid therefrom, said



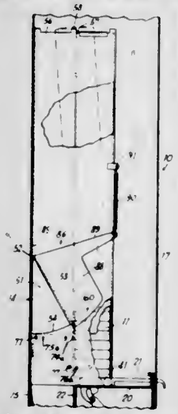
blade having a plurality of walls internally spaced from each other and extending spanwise of said blade defining flow passages for supplying said cooling fluid to said discharge slots.

2,585,872

MAGAZINE STRUCTURE FOR DISPENSING DEVICES

Louis Steiner, Rockaway Park, N. Y.

Application May 16, 1946, Serial No. 670,134
10 Claims. (Cl. 312—42)



1. In a dispensing device, a chute comprising a pair of parallel vertical walls interconnected by a rear wall, a rear chute within said first chute and suspended from one of said parallel walls and located at the rear of said first chute, one of said parallel walls being formed with a slot, means to swing said rear chute to the front part of the first chute, and including a member having a wall disposed between the rear chute and the rear wall of the first chute and pivoted to the latter at its upper end, said wall of said member passing through said slot, and said member having an arm disposed outside of said first chute and parallel thereto, and spring means connected to said arm and adapted to swing said member about its pivot.

2,585,873

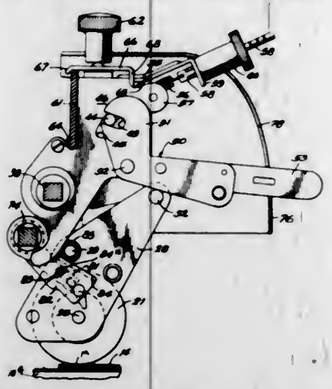
ROLL FEED FOR STENCIL DUPLICATING MACHINES

Paul A. Stephenson, Chicago, Ill., assignor to A. B. Dick Company, Niles, Ill., a corporation of Illinois

Application May 20, 1949, Serial No. 94,445
17 Claims. (Cl. 271—36)
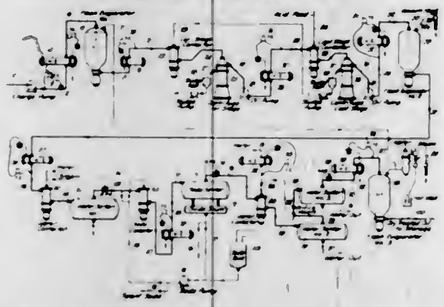
1. Sheet feeding apparatus, including the combination, a table providing an adjustable support for a sheet pile, a friction feed roller, an adjustable servo link assembly mounting the feed roller, means for rocking the servo link assembly to bring the friction roller into and out of engage-

ment with the top sheet of the sheet pile, separate means synchronized with the first for ro-



tating the roller in feeding relation when in engagement with the sheet pile.

2,585,874
TREATING LUBRICATING DISTILLATES
Charles Walcott Stratford, Kansas City, Mo., assignor to Stratford Engineering Corporation, Kansas City, Mo., a corporation of Delaware
Application May 27, 1949, Serial No. 95,702
4 Claims. (Cl. 196—38)



1. A method of treating lubricating distillates comprising the steps of heating the oil, dehydrating and deaerating it in an initial step, subjecting the oil to acid treatment in a plurality of steps with intermediate steps of acid oil separation, removing volatile sulfur compounds in the vapor phase from the acid treated oil in a stage of reduced pressure after acid treatment, next intimately mixing the treated oil with water, removing moisture from the oil, and then subjecting it to final steps of neutralization and water washing.

2,585,875
4-TERTIARY ALKYL CHLOROPHENOXYACETIC ACIDS AND THE USE THEREOF AS PLANT HORMONE SYNERGISTS
Miller W. Swaney, Westfield, and Leo Z. Jasion, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 11, 1947, Serial No. 773,568
10 Claims. (Cl. 71—2.6)

1. As new chemical compounds para-tertiary lower alkyl chlorophenoxy acetic acids.

7. A plant regulant composition comprising 2,4-dichlorophenoxyacetic acid and a para-tertiary lower alkyl chlorophenoxyacetic acid as a synergist therefor.

2,585,876
FIRE ESCAPE
Frank A. Thoennes, Peru, Ind.
Application September 18, 1947, Serial No. 774,779
3 Claims. (Cl. 254—154)



1. A fire escape comprising an elongated oblong frame including a pair of spaced parallel vertical side walls and upper and lower curved end walls joining the side walls, upper and lower horizontal rivets terminally attached to said side walls, upper and lower rollers on said rivets, said rollers being disposed between said side walls, a horizontal shaft underlying said rollers and extending through said side walls, a cable drum mounted on said shaft for rotation therewith, said upper end wall having a vertical aperture therein, a resilient guide sleeve mounted in said aperture, said drum and said shaft having transverse registering openings therein, a cable extending downwardly through the guide sleeve past both rollers, said cable extending under the lower roller and over the upper roller and being received in said openings, a finger grip attached to one end of said shaft to permit manual rotation of the shaft, and a jam nut threaded on the shaft for engaging one of the side walls.

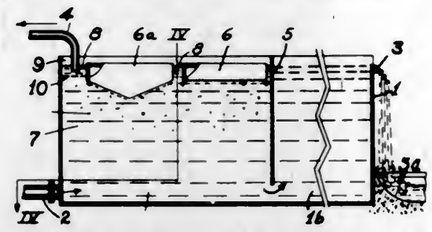
2,585,877
LUBRICATING OIL COMPOSITION
Hastings S. Trigg, West Hempstead, N. Y., and Henry D. Norris, Woodbury, and Ralph V. White, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application April 21, 1949, Serial No. 88,906
11 Claims. (Cl. 252—34)

1. A mineral oil containing a minor amount, sufficient to improve the antiwear properties and the cutting efficiencies thereof, of an ester of a trialkylammonium acid salt of a hydroxy aliphatic dicarboxylic acid and a primary, aliphatic, monohydric alcohol containing between about 12 carbon atoms and about 31 carbon atoms per molecule; the alkyl radicals in the trialkylammonium group of said trialkylammonium salt containing up to six carbon atoms per radical.

2,585,878
SKIMMING APPARATUS
Richard W. Tryon, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 26, 1949, Serial No. 72,941
2 Claims. (Cl. 210—51)

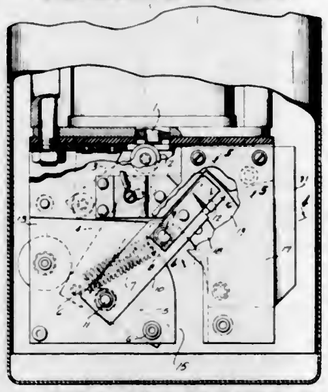
1. Apparatus for removing the liquid of lower specific gravity from a dispersion of said liquid in

a liquid of higher specific gravity and substantially immiscible therewith, comprising a separator tank for gravity separation of said liquids, in which said liquids are separated to form an interface at an intermediate level therein, conduit means for supplying the dispersion of said liquids to the tank, a plurality of individual, self-buoyant float members arranged transversely of the tank in closely spaced relation to each other and the tank walls, said members floatable in the



liquid of higher specific gravity so as to be partially submerged therein and to extend downwardly through and below an interface between the separated liquids, said float members defining between themselves and with the tank walls a plurality of intercommunicating narrowly defined collection areas for the separated lighter liquid, conduit means for withdrawing the lighter liquid from said narrowly defined collection areas, and separate outlet means for said liquid of higher specific gravity.

2,585,879
CIRCUIT BREAKER
Anthony Van Ryan, South Milwaukee, Wis., assignor to McGraw Electric Company, a corporation of Delaware
Application January 26, 1949, Serial No. 72,916
2 Claims. (Cl. 200—144)



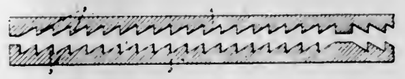
1. In a circuit breaker adapted to open under overload comprising a U-shaped insulating body portion, a pair of rocking switch arms located on the outer side of said U-shaped insulating body portion and pivoted adjacent their lower ends and having movable contacts carried adjacent their outer ends, a connecting bar electrically connecting and mechanically joining said movable contacts and constituting with said switch arms and movable contacts a movable contact assembly, means for moving said movable contact assembly into and out of switch closed position, a pair of stationary contacts located on the outer side of said U-shaped body portion and arranged to be engaged and disengaged by said movable contacts, an inner and an outer insulating plate located in pairs on opposite sides of said U-shaped body portion and partially housing said contacts, and a stationary arcuate insulating barrier located inside of the path of travel of each of said movable contacts in contact with the corresponding inner insulating plate and spaced from the corresponding outer insulating plate to provide a slot for each of said movable contacts, said circuit breaker having pockets for the stationary contacts and said outer plates having vent holes opening into said pockets.

2,585,880
NOSE DISGUISE
Arthur H. Veerman, Joliet, Ill.
Application April 16, 1949, Serial No. 88,025
3 Claims. (Cl. 2—206)



1. Removably attachable nose disguise means, comprising artificial nose disguise body means of abnormal configuration made of resilient material having a bridge portion and provided with a nose fitting cavity terminating in a nostril portion and adapted to fit a person's nose exposing the nostrils thereof, and articulate clamp means embedded in the said body and straddling the bridge portion of the said nose fitting cavity near the upper portion thereof and said body means adapted to be secured to the bridge portion of the said person's nose.

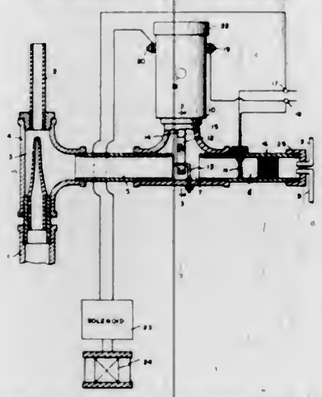
2,585,881
DEVICE FOR CUTTING WORMS FOR FISH FOOD
Ernest Samuel Walker, South Yardley, Birmingham, England
Application November 3, 1949, Serial No. 125,327
In Great Britain November 9, 1948
1 Claim. (Cl. 241—168)



A device for preparing and feeding worms to fish comprising two thin block like members to be superposed upon each other, the confronting faces of the pair of members each having annular grooves therein, one face of the grooves being at right angles to the confronting faces while the opposite faces of the grooves are annular conical surfaces, the meeting of the surfaces forming sharpened annular cutting edges, the annular conical surfaces facing in opposite direction on the two members so that the cutting edges are in shearing relation when the members are superposed, a plurality of flat surface landings on the

grooved faces of each member surrounding and at the center of the grooved portions and extending out from the members and into contact with each other and into substantially the plane of the cutting edges, whereby, when a live worm is placed between the members and the said members are manually slid against each other, the worm is cut into small segments after which the members are separated and placed into a tank of fish to feed the fish.

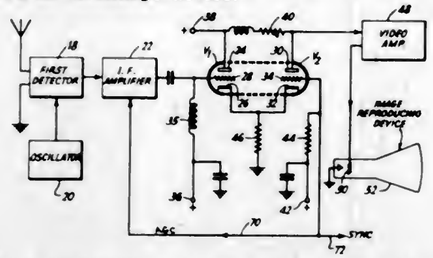
2,585,882
DANGER DETECTING MEANS FOR GAS DISTRIBUTING SYSTEMS
George L. Weissman and Howard A. Graffis, Detroit, Mich.; said Graffis assignor to said Weissman
Application October 12, 1945, Serial No. 621,924
6 Claims. (Cl. 158—123)



1. Means for detecting danger of the presence within a selected space of an inflammable mixture of air and gas escaping from a supply; comprising a nozzle connected with the combustible gas supply and normally emitting a continuously flowing jet of gas therefrom, an ejector operated by the velocity of said jet, a conduit connected to said ejector through which a sample stream of atmosphere is withdrawn by said ejector from said selected space, a flashback arresting means in said conduit, heating means beyond said flashback arresting means for igniting said stream whenever ignitable or raising its temperature if nonignitable, a thermo responsive element located in heat transferring relation to a portion of said stream beyond said heating means, and a danger detecting element operated by a predetermined response of said thermo responsive element.

2,585,883
COMBINATION SECOND DETECTOR, NOISE LIMITER, AND GAIN CONTROL CIRCUIT
Karl Rinner Wendt, Hightstown, and George Clifford Sziklai, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 10, 1946, Serial No. 689,654
9 Claims. (Cl. 178—7.3)

7. In a television receiver including an I. F. amplifier: a pair of cathode-coupled electron discharge devices each having at least one grid; a resistor connecting the joined cathodes of said electron discharge devices to ground; a source of operating potential for the said electron discharge devices; means connecting the grid of one of said electron discharge devices to said I. F. amplifier; means for biasing the other of said electron discharge devices substantially to cut-off when no signal is being received from said I. F. amplifier on the grid of said one electron discharge device; and means for applying to said one electron discharge device a bias voltage of such value that the latter will be driven substantially to cut-off when a composite television signal of maximum carrier amplitude is being passed by the said other electron discharge device.

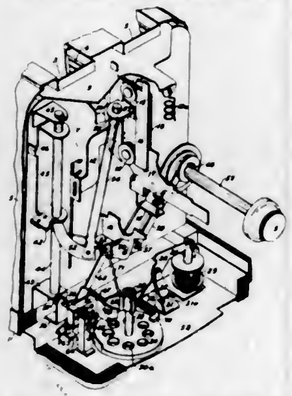


8. A television receiver according to claim 7, in which said means for biasing the other of said electron discharge devices substantially to cut-off includes means for applying a positive potential to the grid of the said other electron discharge device which is substantially equal in value to the positive potential of the cathode of said other electron discharge device when a signal is being received on said cathode of a voltage corresponding to black in the video portion of the composite television signal.

2,585,884
ESTERS OF ALIPHATIC TRIOLS
Richard R. Whetstone and De Loss E. Winkler, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 4, 1948, Serial No. 52,786
7 Claims. (Cl. 260—410.6)

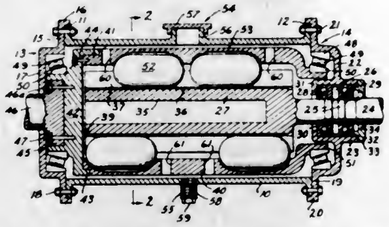
1. A triester of a hexanetriol of the group consisting of 1,2,6-hexanetriol and the lower alkyl-substituted 1,2,6-hexanetriols with a monocarboxylic acid containing from 5 to 15 carbon atoms.

2,585,885
ELECTRIC TOASTER
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 13, 1948, Serial No. 38,531
21 Claims. (Cl. 219—19)



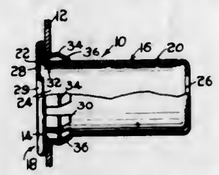
17. In a toaster, an oven, means for heating said oven, a thermostat, a heater for said thermostat, means providing for relative movement between said thermostat and said heater to vary the heating effect on said thermostat including means operated by said thermostat for determining the toasting position of said thermostat and heater in accord with the temperature of said oven, means for de-energizing said heating means to terminate a toasting operation arranged to be operated by said thermostat, and toasting operation initiating means for energizing said heating means and for securing said thermostat and heater in said toasting operation position.

2,585,886
TORQUE CONVERTER
John B. Whitlow, Granite City, Ill.
Application November 1, 1949, Serial No. 124,780
8 Claims. (Cl. 74—64)



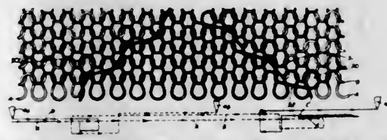
1. A torque converter comprising concentric driving and driven members, said driving member having a plurality of longitudinal recesses in the periphery thereof, the driven member being provided with races oppositely inclined to the axis of said driven member, the angle of inclination of said races with a plane perpendicular to the axis of the driven member being less than 30 degrees, individually rotatable means carried by said longitudinal recesses actuated by said longitudinal recesses and cooperating with said inclined races whereby the inertia of said means acts to impart motion of the driving member to the driven member.

2,585,887
HOUSING FOR ELECTRICAL SWITCHES AND THE LIKE
Clement A. Woodward, Wellesley, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application January 14, 1949, Serial No. 70,889
4 Claims. (Cl. 220—18)



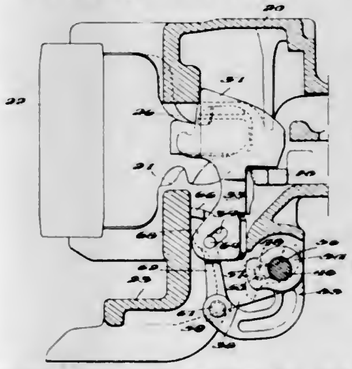
1. A housing assembly for switches and the like, which is adapted to be snapped into engagement with a supporting wall through an opening therein, the assembly comprising a body member and a cap member, said body member comprising a wall forming a switch-receiving cavity, and an outwardly extending flange disposed about the wall portion, said cap member comprising a base and attaching legs disposed on the base to receive the body centrally thereof, said legs having inwardly extending shoulder portions outwardly extending shoulder portions, and free end portions, said inwardly extending shoulder portions being disposed in spaced relation to the base, whereby said legs are adapted to receive the peripheral flange in snapping engagement and to retain securely said flange between the base and the inwardly extending shoulder portions, said outwardly extending shoulder portions being disposed in spaced relation to the base to receive a section of the supporting wall therebetween, said free end portions extending inwardly from said outwardly extending shoulder portions and being disposed for support by the body wall when the outwardly extending shoulder portions are subjected to compression during snapping engagement of the housing assembly with the supporting wall through an opening therein.

2,585,888
KNITTED FABRIC
George Henry Woolley, Woodside, England
Original application December 24, 1946, Serial No. 718,156, now Patent No. 2,529,207, dated November 7, 1950. Divided and this application February 18, 1948, Serial No. 9,151. In Great Britain June 1, 1945
4 Claims. (Cl. 66—201)



1. A flat knit fabric comprising three coursewise adjacent areas each knit of a separate yarn, said areas being joined by sutures which extend at an angle to the wales and courses, the yarn of the intermediate area being knit together with the yarn of one adjoining area in single stitches in alternate courses only and being knit together with the yarn of the other adjoining area in single stitches in intervening courses only, the yarn of said intermediate area being floated across at least one stitch coursewise adjacent one of said single stitches and being drawn through the next coursewise adjacent stitch to form the end stitch in an adjacent course of said intermediate area.

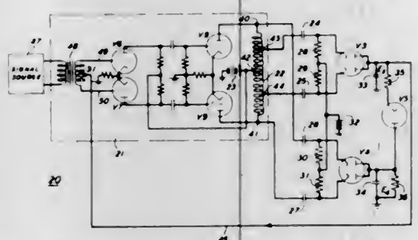
2,585,889
COUPLER OPERATING MECHANISM
Harry H. Wolfe, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application August 9, 1949, Serial No. 109,318
2 Claims. (Cl. 213—148)



1. In an operating mechanism for the lock of a knuckle-type railway car coupler, a coupler

head, a rib depending from the coupler head and arranged longitudinally thereof, said rib having a circular opening therein provided with a notch communicating therewith located substantially in a twelve o'clock position, a second rib depending from said coupler head and arranged substantially parallel to the first rib, said second rib having a circular opening therein horizontally aligned with the circular opening in the first rib, a rotor lever, a hub carried by the rotor lever extending between said ribs, said hub having a cylindrical opening therethrough, an enlarged radially disposed portion on the hub having a radially disposed slot enclosed therein communicating with the cylindrical opening in the hub, a rotor including a cylindrical shaft portion extending through the cylindrical opening in the hub of the rotor lever and journaled for rotation in the cylindrical openings of said ribs, and a lug carried by the rotor extending into the radially disposed slot in the hub.

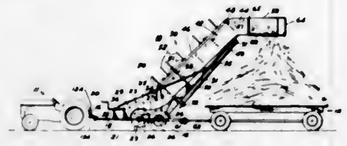
2,585,890
DELAY-ACTION FILTER CIRCUIT
Halley Wolfe, North Hollywood, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 22, 1949, Serial No. 123,001
2 Claims. (Cl. 179—171)



1. A control circuit for regulating the output of an amplifier comprising an element across which the output is developed, a first rectifier connected across a portion of said output element and actuated when the output exceeds a predetermined level, a second condenser connected across a lesser portion of said output element and actuated when the output exceeds a predetermined level, a first condenser one terminal of which is connected to the first rectifier and the other terminal of which is at a reference potential, a second condenser one terminal of which is connected to the second rectifier and the other terminal of which is at a reference potential, a unidirectional conductivity element between the two terminals not at a reference potential of the condensers, a resistance in shunt across said second condenser, and means for utilizing the output of said first rectifier.

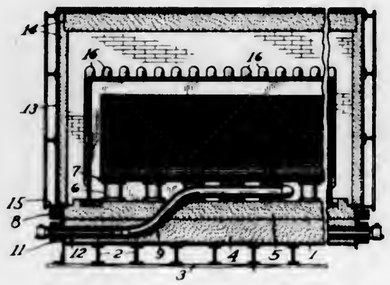
2,585,891
HAY LOADER
Loren E. Worsdell, Vermont, Ill., assignor to Harry Ferguson, Inc., Detroit, Mich., a corporation of Delaware
Application June 27, 1946, Serial No. 679,770
4 Claims. (Cl. 214—41)

1. In a tractor-drawn hay loader, the combination of a wheel supported frame bearing an upwardly and rearwardly inclined elevator overhanging the rear end of said frame with an unobstructed space between such overhang, means for trailingly hitching said frame to the rear end of a tractor for free lateral swing with reference thereto, means for detachably connecting a vehicle to said frame to trail alongside the rear portion of said elevator with free lateral swing with reference thereto, the upper end of said elevator extending substantially to the midpoint of the



vehicle, the lower end of said elevator being sufficiently far forward to enable the vehicle to swing under the overhang of said elevator without lateral interference, and a sector shaped skidway at the upper end of said elevator for directing hay emerging therefrom laterally onto the vehicle trailed alongside.

2,585,892
ANNEALING FURNACE
Carl M. Yaeger, Fairview Village, Ohio, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1949, Serial No. 102,376
3 Claims. (Cl. 263—42)

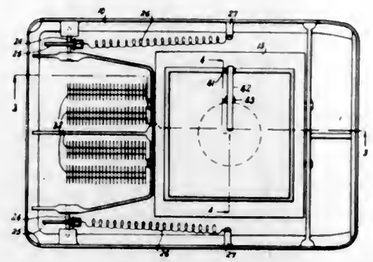


2. In a heating furnace having a rectangular base and a cover, the cover being provided with means for introducing heat into the furnace charge and the base being provided with a plurality of supports carrying a floor plate on which the furnace charge rests, the improvement consisting in that the said supports are free-standing supports spaced to permit the free circulation of the furnace atmosphere above and below the floor plate, and heating tubes disposed in the center portion only of the base below the floor plate and between the supports, these heating tubes cooperating with the heating means of the cover to maintain uniformity of temperature within the furnace.

2,585,893
PRESS FOR PHOTOGRAPHIC DRY MOUNTING
Donald K. Young, Rugby, England
Application October 21, 1949, Serial No. 122,726
In Great Britain October 26, 1948
12 Claims. (Cl. 154—1)

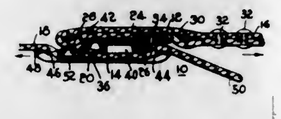
1. A press for photographic dry mounting comprising a base plate, a top plate, means to heat at least one of said plates, and an electromagnet having its pole surfaces adjacent one of said

plates and on the side thereof remote from the other of said plates, said pole surfaces lying in a plane parallel with said one plate and having



an annular gap between them, and said other plate being of magnetic material and substantially co-extensive with said surfaces to exert attractive force between said plates.

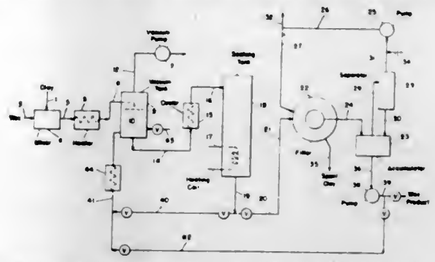
2,585,894
SHEAR RESISTANT BUCKLE ASSEMBLY
Philip D. Becker, Hingham, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 1, 1949, Serial No. 119,063
5 Claims. (Cl. 24—77)



1. A buckle assembly, comprising a pair of buckle plates adapted to be fastened together in superimposed relation, said plates having cooperating hook means near one end, said hook means being releasable by separating the plates at the other end, and means near said other end to enable the plates to be snapped together, one of said plates having a shear resisting portion extending upwardly therefrom toward the other plate, said other plate having a portion disposed opposite said shear resisting portion providing surfaces surrounding said shear resisting portion for engaging said shear resisting portion, when the plates are assembled and shear forces are applied to the buckle assembly.

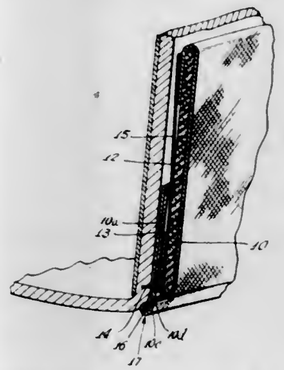
2,585,895
WAX REFINING
Patrick F. Dougherty, Chester Heights, and Charles H. Brooks, Mount Holly, N. J., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application March 17, 1950, Serial No. 150,276
10 Claims. (Cl. 196—21)

1. A process for deodorizing and decolorizing a petroleum wax having a melting point of from about 100° F. to 200° F. which comprises admixing molten wax and clay, heating said admixture to a temperature of from 50° F. to 300° F. above the melting point of said wax, flashing said heated admixture in a dispsered state into subatmospheric pressure of from about 0.5 to 2.0 p. s. i., quenching said admixture to a temperature of from about 20° F. to 40° F. above the melting point of the wax by mixing with a coolant, continuously contacting said wax with said clay at said latter temperature for ¼ to 3 hours,



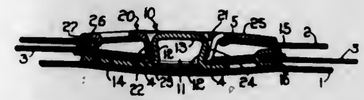
and separating said wax and said clay by vacuum filtration.

2,585,896
SWEATBAND
Stanley G. Hoffman, Norwalk, Conn., assignor to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application May 25, 1950, Serial No. 164,145
7 Claims. (Cl. 2—181)



1. A sweatband for hats comprising a soft pad; and a unitary flexible cover for the pad adhering to the upper edge, the inner face, the lower edge of the pad and freely projecting upwardly from the lower edge to overlie at least a portion of an outer face of the pad to form a flexible attaching flange for the sweatband whereby the sweatband can be attached to a hat.

2,585,897
SNAP FASTENER
Frank E. Johnson, Malden, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 25, 1947, Serial No. 782,166
3 Claims. (Cl. 24—217)



1. A snap fastener comprising cooperating stud and socket members each formed of a single piece of sheet material and having a base and an integral concentric tubular fastener element extending substantially normal thereto, the base of said stud and socket members being dished toward their respective tubular fastener element

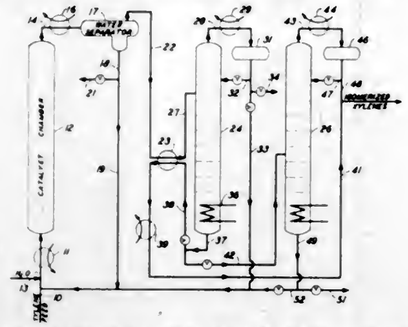
so as to be opposed in convexed relation when assembled in fastening engagement, and attaching prongs on said bases for attaching the fastener elements to a support.

2,585,898
REMOVAL OF TROUBLESOME FRACTIONS FROM BENZENE HEXACHLORIDE
Kenneth C. Kauer, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application September 29, 1948, Serial No. 51,865
3 Claims. (Cl. 260—648)

3. The method of refining a benzene hexachloride product containing at least 20 and not as much as 60 per cent of gamma-benzene hexachloride together with 10 to 30 per cent, in the aggregate, of troublesome fractions including delta-benzene hexachloride and hepta- and higher chlorocyclohexanes, substantially all of the balance being alpha-benzene hexachloride, which comprises mixing such a material with from 60 to 75 per cent of its weight of 2-propanol to form a slurry; heating the slurry to a temperature up to the boiling point of 2-propanol; cooling this slurry, with stirring, to from 10° to 20° C.; recovering the undissolved crystals of benzene hexachloride in a state of improved purity; treating these crystals again in like manner with 2-propanol and recovering crystals characterized by a higher gamma-isomer content which is from 30 to 60 per cent and by substantial freedom from said troublesome fractions.

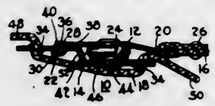
2,585,899
CATALYSIS OF ALKYL AROMATIC ISOMERIZATION
Gordon E. Langlois, El Cerrito, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application July 2, 1947, Serial No. 758,522
10 Claims. (Cl. 260—668)

1. A process for isomerizing a dialkyl benzene having not more than 3 carbon atoms in each alkyl group which comprises contacting said dialkyl benzene with a solid isomerization catalyst containing phosphoric acid at a concentration in the range 95 to 110% calculated as ortho-phosphoric acid as the effective catalytic material at a temperature in the range 400° F. to 1100° F. and at a space velocity in the range 0.05 to 5.0 volumes of liquid dialkyl benzene per volume of catalyst per hour the temperature within said tempera-



ture range being at least 600° F. when the dialkyl benzene is xylene.

2,585,900
TENSILE FORCE RESISTANT BUCKLE ASSEMBLY
Harold S. van Buren, Jr., Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 1, 1949, Serial No. 119,105
8 Claims. (Cl. 24—77)



1. A quick release buckle assembly, comprising a pair of buckle plates having strap-receiving means at opposite ends thereof, one of said plates having hook means at one end thereof, the other plate having an opening therein near one end to permit the plates to be hooked together, said hook means being shaped and arranged to be released by separating the plates at the ends opposite the hook means, each of said plates having a snap fastener half disposed thereon to permit said ends opposite the hook means to be snapped together, said one plate having a hook-lifting portion extending from said one end, said hook-lifting portion being adapted to bear against said other plate when the ends opposite the hook means are separated to provide a fulcrum to lift the hook out of the opening.

DESIGNS

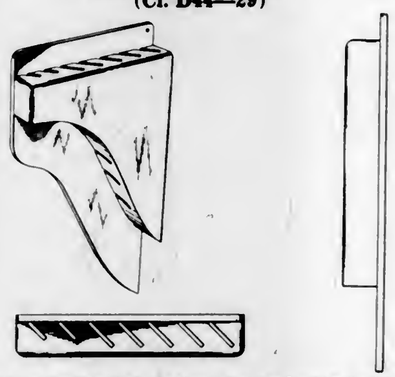
FEBRUARY 12, 1952

165,893
BOTTLE
Roger Achard, Bordeaux, France, assignor to Les Heritiers de Marie Brizard & Roger, Achard, Glotin & Cie, Bordeaux, France, a corporation of France
Application September 24, 1951, Serial No. 16,728
Term of patent 7 years
(Cl. D58—9)



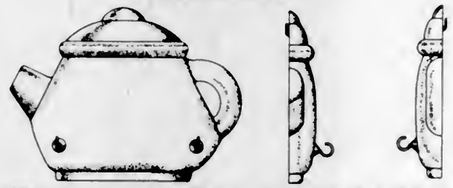
The ornamental design for a bottle, substantially as shown.

165,894
KNIFE HOLDER
Morton S. Adler, Des Moines, Iowa
Application August 16, 1951, Serial No. 16,305
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a knife holder, as shown.

165,895
PAD HOLDER
Amerigo Angeli, Milwaukee, Wis.
Application February 26, 1951, Serial No. 14,323
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a pad holder, as shown.

165,896
EXPANSIBLE CHAIN FOR A BRACELET OR SIMILAR ARTICLE
Karl C. Augenstein, Cranston, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application June 29, 1951, Serial No. 15,718
Term of patent 14 years
(Cl. D45—4)



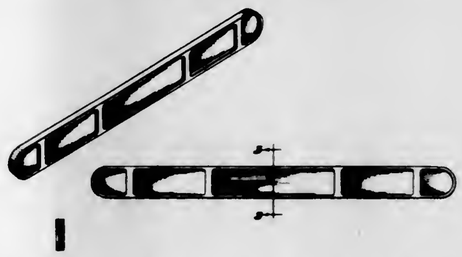
The ornamental design for an expansible chain for a bracelet or similar article, substantially as shown and described.

165,897
PUPPET OR THE LIKE
Walter B. Bartner and Howard C. Bartner, Toms River, N. J.
Application March 10, 1950, Serial No. 8,476
Term of patent 3½ years
(Cl. D34—4)



The ornamental design for a puppet or the like, substantially as shown.

165,898
CONFECTION STICK
Frank A. Biehl, Barberton, Ohio, assignor to The Diamond Match Company, New York, N. Y., a corporation of Delaware
Application August 17, 1950, Serial No. 11,793
Term of patent 14 years
(Cl. D82—2)



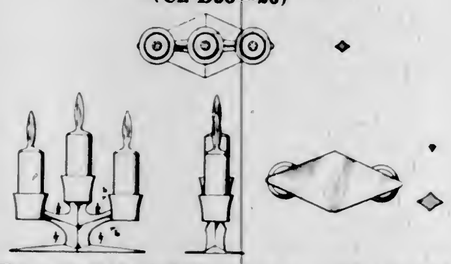
The ornamental design for a confection stick, as shown.

165,899
BABY'S SEAT
Stephen H. Bishop, Waban, Mass.
Application October 3, 1950, Serial No. 12,440
Term of patent 14 years
(Cl. D15—8)



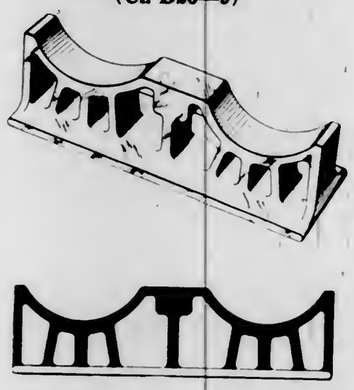
The ornamental design for a baby's seat, as shown.

165,900
COMBINED HOLDER AND PERFUME BOTTLES
Helen Sherwood Blauvelt, Montclair, N. J.
Application October 24, 1951, Serial No. 17,095
Term of patent 3½ years
(Cl. D58—26)



The ornamental design for a combined holder and perfume bottles, shown.

165,901
ELECTRIC CONDUIT SUPPORTING SPACER
Wallace M. Bloom, South Milwaukee, and Aldred J. Simmons, Plymouth, Wis., assignors to McGraw Electric Company, Milwaukee, Wis., a corporation of Delaware
Application August 28, 1950, Serial No. 11,968
Term of patent 14 years
(Cl. D26—9)



The ornamental design for an electric conduit supporting spacer, as shown and described.

165,902
MAN'S SHORTS OR SIMILAR ARTICLE
Simon H. Brenner, Wooster, Ohio
Application October 29, 1951, Serial No. 17,159
Term of patent 14 years
(Cl. D3—17)



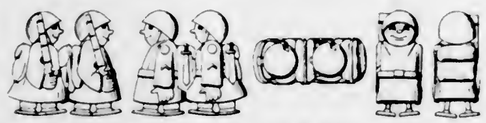
The ornamental design for man's shorts or similar article, substantially as shown.

165,903
WALKING TOY
Laurie J. Campbell, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application August 9, 1951, Serial No. 16,221
Term of patent 14 years
(Cl. D34—15)



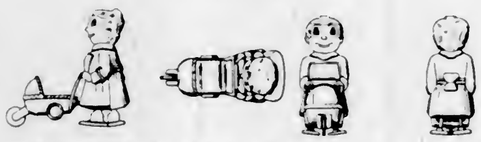
The ornamental design for a walking toy, substantially as shown.

165,904
WALKING TOY
Laurie J. Campbell, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application August 9, 1951, Serial No. 16,222
Term of patent 14 years
(Cl. D34—15)



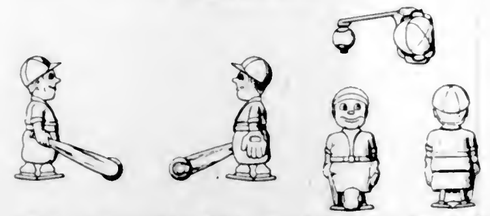
The ornamental design for a walking toy, substantially as shown.

165,905
WALKING TOY
Laurie J. Campbell, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application August 9, 1951, Serial No. 16,223
Term of patent 14 years
(Cl. D34—15)



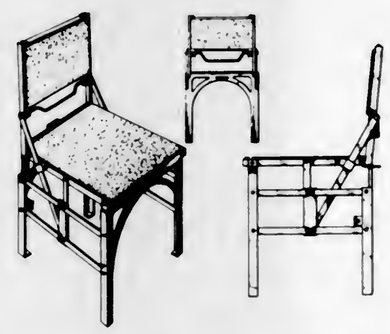
The ornamental design for a walking toy, substantially as shown.

165,906
WALKING TOY
Laurie J. Campbell, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application August 9, 1951, Serial No. 16,224
Term of patent 7 years
(Cl. D34—15)



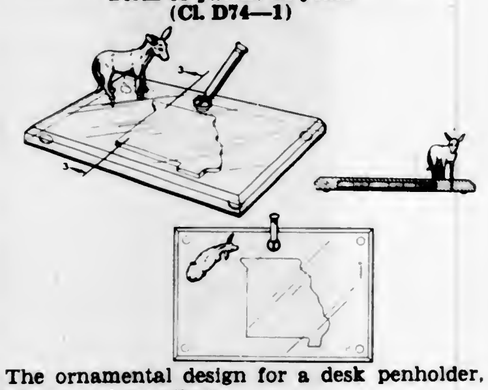
The ornamental design for a walking toy, substantially as shown.

165,907
FOLDING CHAIR
Fred E. Chehak, Cedar Rapids, Iowa
Application July 9, 1951, Serial No. 15,799
Term of patent 14 years
(Cl. D15—8)



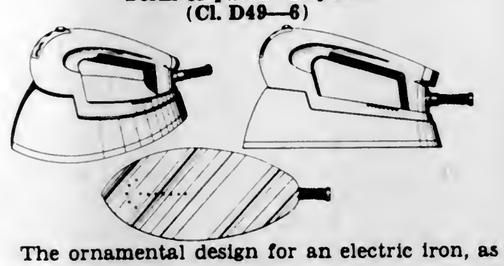
The ornamental design for a folding chair, as shown.

165,908
DESK PENHOLDER
Gerard B. Cleary, St. Louis, Mo.
Application August 6, 1951, Serial No. 16,170
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a desk penholder, as shown and described.

165,909
ELECTRIC IRON
Francesco Collura, New York, N. Y., assignor to Steam Electric Products Limited, Toronto, Ontario, Canada
Application December 12, 1950, Serial No. 13,397
In Canada June 17, 1950
Term of patent 14 years
(Cl. D49—6)



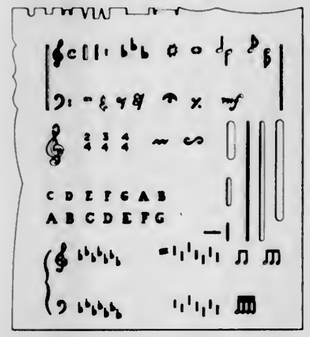
The ornamental design for an electric iron, as shown.

165,910
LADY'S SOCK
Herman E. Crawford, Kernersville, N. C.
Application September 29, 1950, Serial No. 12,404
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a lady's sock, substantially as shown and described.

165,911
MUSIC TEMPLATE
Clarence A. Dowell, Whittier, Calif.
Application July 26, 1951, Serial No. 16,040
Term of patent 14 years
(Cl. D25—1)



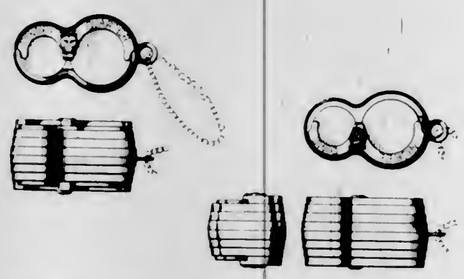
The ornamental design for a music template, substantially as shown.

165,912
SAFETY PIN
Isadore Glasband, Hartford, Conn.
Application June 15, 1950, Serial No. 10,546
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a safety pin, substantially as shown, and described.

165,913
COIN HOLDER
Joseph Goodman, New York, N. Y.
Application December 7, 1950, Serial No. 13,324
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a coin holder, as shown and described.

165,914
ARMCHAIR FRAME
Lester Grundy, Glen Rock, N. J., assignor to Molla Incorporated, Westbury, N. Y., a corporation of New York
Application January 11, 1951, Serial No. 13,744
Term of patent 14 years
(Cl. D15—1)



The ornamental design for an arm chair frame, as shown.

165,915
TWO SEATER COUCH FRAME
Lester Grundy, Glen Rock, N. J., assignor to Molla Incorporated, Westbury, N. Y., a corporation of New York
Application January 11, 1951, Serial No. 13,746
Term of patent 14 years
(Cl. D15—11)



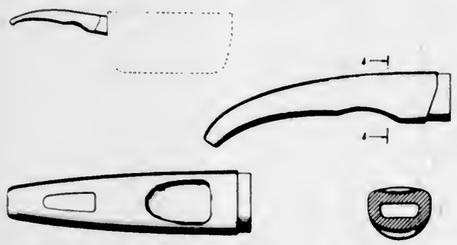
The ornamental design for a two seater couch frame, as shown.

165,916
COOKING UTENSIL COVER
John C. Hampshire, New Haven, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application July 26, 1950, Serial No. 11,406
Term of patent 14 years
(Cl. D44—29)



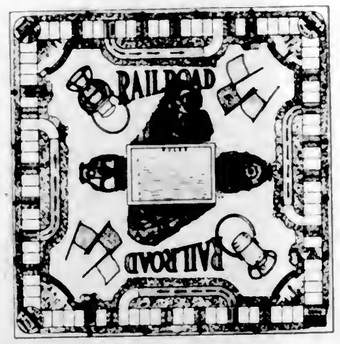
The ornamental design for a cooking utensil cover, substantially as shown and described.

165,917
COOKING UTENSIL
John C. Hampshire, New Haven, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application July 26, 1950, Serial No. 11,407
Term of patent 14 years
(Cl. D44—1)



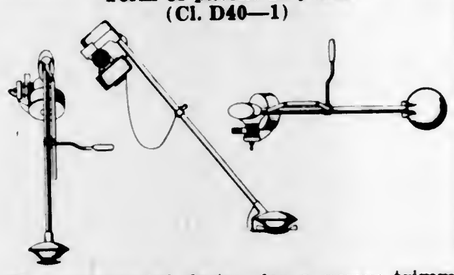
The ornamental design for a cooking utensil, substantially as shown and described.

165,918
GAME BOARD
Arthur Gorman Hobbs, Baltimore, Md., assignor of one-tenth to Melvin S. White
Application July 16, 1951, Serial No. 15,892
Term of patent 7 years
(Cl. D34—5)



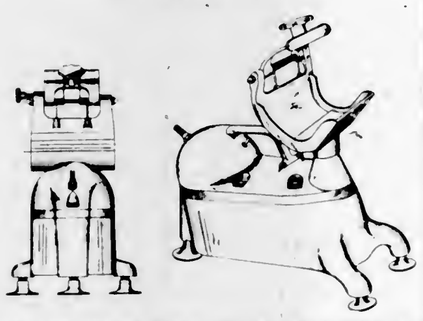
The ornamental design for a game board, as shown and described.

165,919
POWER TRIMMER
Stephen J. Hoff and Harry J. Hoff, Richmond, Ind., assignors to Hoffco, Inc., Richmond, Ind., a corporation of Indiana
Application February 9, 1950, Serial No. 7,848
Term of patent 14 years
(Cl. D40—1)



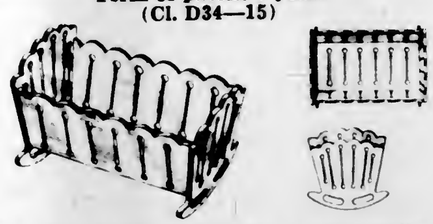
The ornamental design for a power trimmer, substantially as shown.

165,920
PAINT-MIXING MACHINE
William E. Holt, Oakland, Calif.
Application April 16, 1951, Serial No. 14,857
Term of patent 14 years
(Cl. D55—1)



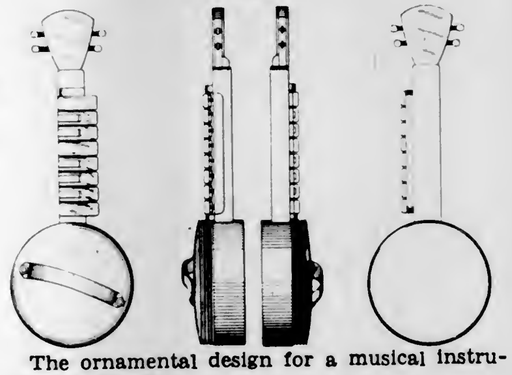
The ornamental design for a paint-mixing machine, as shown and described.

165,921
DOLL CRADLE
Domenick Ippolito, Glendale, Calif.
Application December 2, 1950, Serial No. 13,248
Term of patent 7 years
(Cl. D34—15)



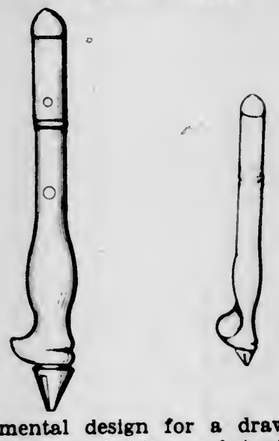
The ornamental design for a doll cradle, as shown.

165,922
MUSICAL INSTRUMENT
Benjamin F. Jay and Max Feintuch, Brooklyn, N. Y., assignors to Magnafax Corporation, New York, N. Y.
Application April 9, 1951, Serial No. 14,761
Term of patent 7 years
(Cl. D56—1)



The ornamental design for a musical instrument, as shown.

165,923
DRAWING AND WRITING IMPLEMENT HOLDER
Alfred C. Kather, Los Angeles, Calif.
Application December 4, 1950, Serial No. 13,254
Term of patent 7 years



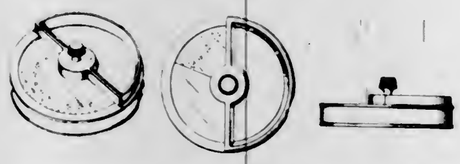
The ornamental design for a drawing and writing implement holder, substantially as shown.

165,924
FOOD MIXER POWER UNIT
Donald L. McFarland, Stratford, and Bradford R. Voight, Milford, Conn., assignors to General Electric Company, a corporation of New York
Application April 11, 1951, Serial No. 14,794
Term of patent 14 years
(Cl. D44—1)



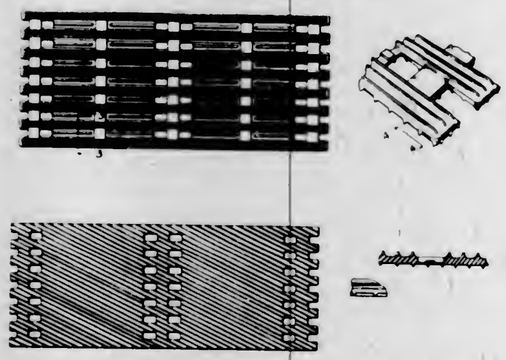
The ornamental design for a food mixer power unit, as shown.

165,925
COMBINED EUCHRE SCOREKEEPER AND ASH TRAY OR SIMILAR ARTICLE
Lawrence J. McKenzie, Circleville, Ohio
Application August 7, 1951, Serial No. 16,182
Term of patent 14 years
(Cl. D85—2)



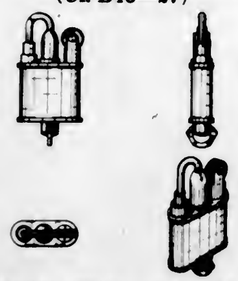
The ornamental design for a combined euchre scorekeeper and ash tray or similar article, substantially as shown and described.

165,926
FLOOR MAT
Dudley W. Moor, Jr., Toledo, Ohio, assignor to American Mat Corporation, Toledo, Ohio, a corporation of Delaware
Application February 1, 1951, Serial No. 14,065
Term of patent 14 years
(Cl. D9—6)



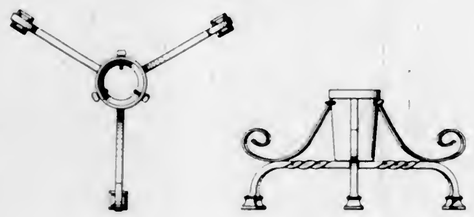
The ornamental design for a floor mat, as shown.

165,927
CIGARETTE LIGHTER
Pierre E. Mora, Geneva, Switzerland, assignor to Perhi, S. A., Geneva, Switzerland
Application June 20, 1951, Serial No. 15,615
In Switzerland (International Application) February 9, 1951
Term of patent 7 years
(Cl. D48—27)



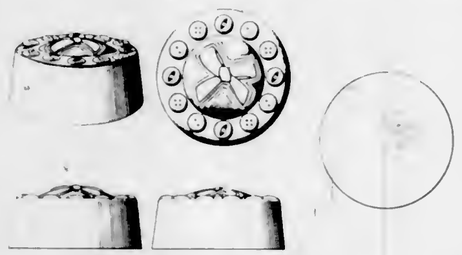
The ornamental design for a cigarette lighter, as shown.

165,928
CHRISTMAS TREE HOLDER
Edward Parucki, Lackawanna, and Edmund S. Cebulski, Buffalo, N. Y.
Application September 7, 1951, Serial No. 16,556
Term of patent 3½ years
(Cl. D35—3)



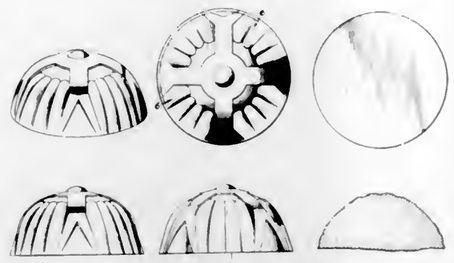
The ornamental design for a Christmas tree holder, as shown.

165,929
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application October 20, 1951, Serial No. 17,030
Term of patent 14 years
(Cl. D82—2)



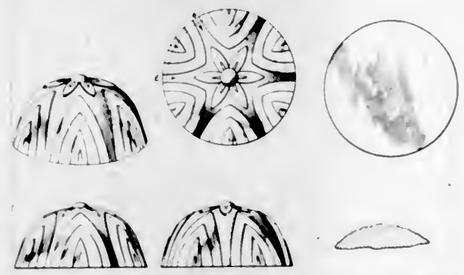
The ornamental design for a molded food product, as shown.

165,930
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application October 20, 1951, Serial No. 17,031
Term of patent 14 years
(Cl. D82—2)



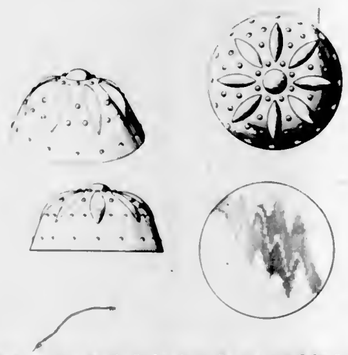
The ornamental design for a molded food product, as shown.

165,931
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application October 20, 1951, Serial No. 17,032
Term of patent 14 years
(Cl. D82—2)



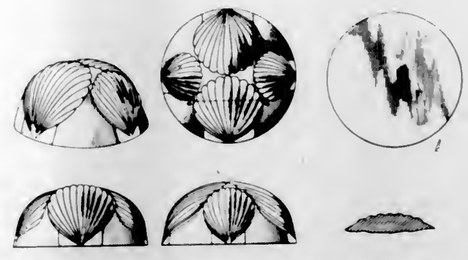
The ornamental design for a molded food product, as shown.

165,932
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application October 20, 1951, Serial No. 17,035
Term of patent 14 years
(Cl. D82—2)



The ornamental design for a molded food product, as shown.

165,933
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application October 20, 1951, Serial No. 17,038
Term of patent 14 years
(Cl. D82—2)



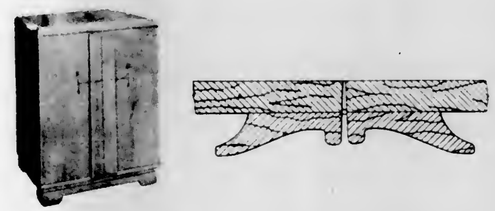
The ornamental design for a molded food product, as shown.

165,934
CABINET FOR TELEVISION RECEIVING SET
Joseph D. Portanova, Los Angeles, Calif., assignor to Hoffman Radio Corporation, Los Angeles, Calif., a corporation of California
Application January 24, 1951, Serial No. 13,937
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a cabinet for television receiving set, as shown and described.

165,935
TELEVISION CABINET
Joseph D. Portanova, Los Angeles, Calif., assignor to Hoffman Radio Corporation, Los Angeles, Calif., a corporation of California
Application January 24, 1951, Serial No. 13,938
Term of patent 3½ years
(Cl. D56—4)



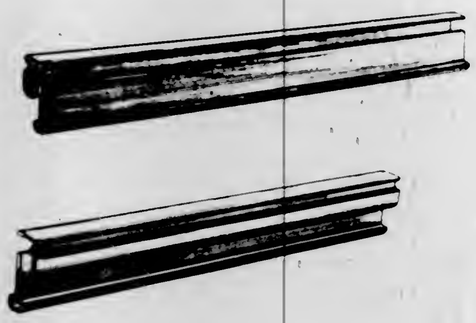
The ornamental design for a television cabinet, as shown and described.

165,936
STOCKING
Isidor Rabinowitz, Philadelphia, Pa.
Application March 19, 1951, Serial No. 14,541
Term of patent 14 years
(Cl. D47—7)



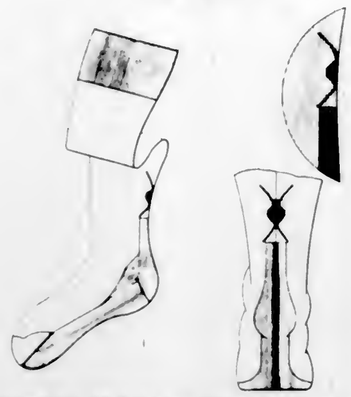
The ornamental design for a stocking, as shown.

165,937
DRAPERY TRAVERSE ROD
Harry S. Rosenbaum, Baltimore, Md., assignor to The Eastern Venetian Blind Company, Baltimore, Md., a corporation of Maryland
Application July 11, 1951, Serial No. 15,821
Term of patent 3½ years
(Cl. D21—1)



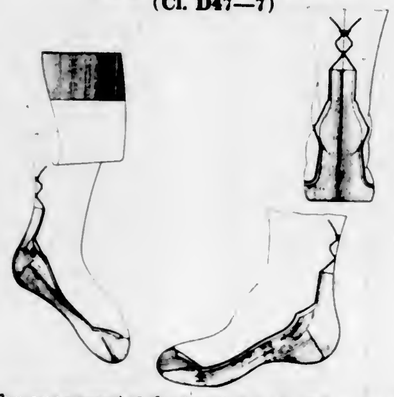
The ornamental design for a drapery traverse rod, as shown.

165,938
STOCKING
John M. Schneider, Miami, Fla.
Application June 29, 1951, Serial No. 15,703
Term of patent 14 years
(Cl. D47—7)



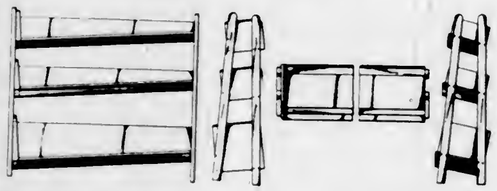
The ornamental design for a stocking, as shown.

165,939
STOCKING
John M. Schneider, Miami, Fla.
Application June 29, 1951, Serial No. 15,704
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

165,940
BOOKCASE
Spencer W. Smillie, Los Angeles, Calif.
Application June 9, 1951, Serial No. 15,475
Term of patent 14 years
(Cl. D33—2)



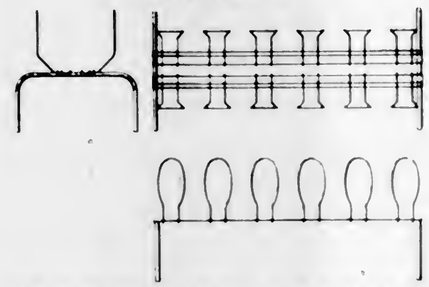
The ornamental design for a bookcase, as shown.

165,941
FINGER RING
Robert H. Staley, Washington, D. C.
Application November 6, 1951, Serial No. 17,299
Term of patent 3½ years
(Cl. D45—10)



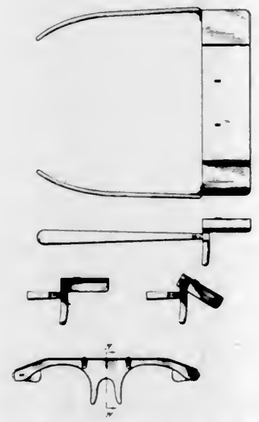
The ornamental design for a finger ring, as shown.

165,942
SHOE RACK
Fred Stein, Long Beach, N. Y.
Application August 27, 1951, Serial No. 16,452
Term of patent 3½ years
(Cl. D80—10)



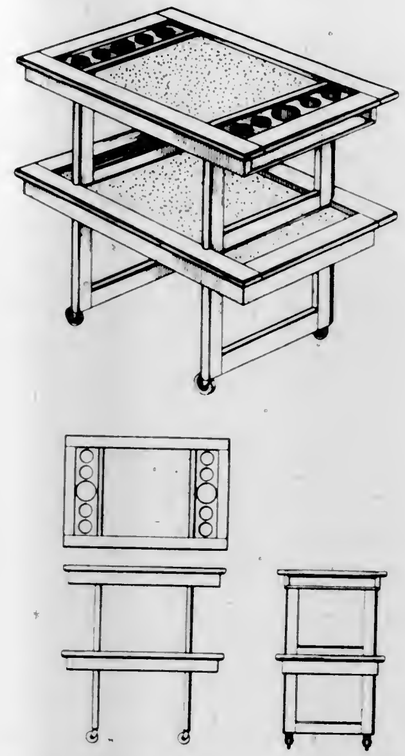
The ornamental design for a shoe rack, substantially as shown.

165,943
SUN VISOR
Clarence E. Stow, Kansas City, Mo., assignor of one-half to Jacob J. Waspi and Effie M. Waspi, both of Kansas City, Mo.
Application October 15, 1951, Serial No. 16,940
Term of patent 7 years
(Cl. D57—1)



The ornamental design for a sun visor, as shown.

165,944
COMBINED SERVING CART AND TABLE
John Strathaus, Los Angeles, Calif.
Application June 12, 1951, Serial No. 15,509
Term of patent 14 years
(Cl. D33—14)

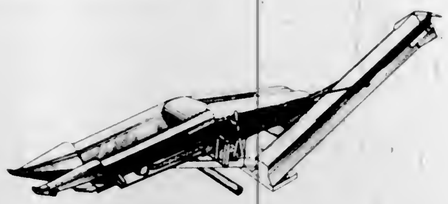


The ornamental design for a combined serving cart and table, substantially as shown.

165,945
SEMIMOUNTED CORN HARVESTER
Erich J. Stumpenhorst, Chicago, Ill., assignor to Farm-Rite Implement Company, a corporation of Illinois
Application October 14, 1950, Serial No. 12,580
Term of patent 14 years
(Cl. D40—1)

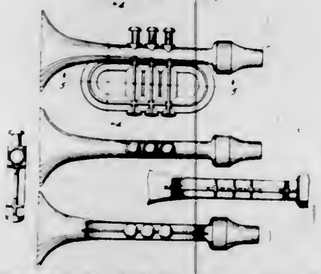


165,945—Continued



The ornamental design for a semimounted corn harvester, as shown.

165,946
TOY HORN
Josephus Thompson, Covington, Ohio, assignor to Grossman Music Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 31, 1950, Serial No. 12,790
In Canada August 10, 1950
Term of patent 14 years
(Cl. D34—15)



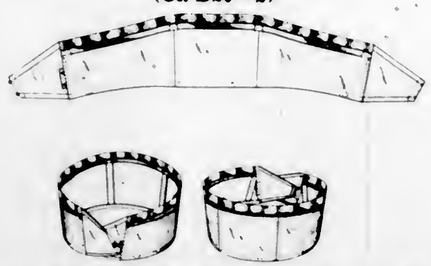
The ornamental design for a toy horn, as shown.

165,947
EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application August 23, 1951, Serial No. 16,411
Term of patent 3½ years
(Cl. D3—9)



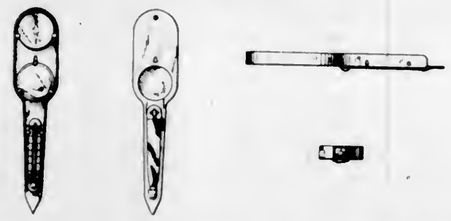
The ornamental design for an embroidered trimming or similar article substantially as shown.

165,948
WAIST GIRDLE
Ruth D. Tys, Lynwood, Calif.
Application October 8, 1951, Serial No. 16,867
Term of patent 14 years
(Cl. D20—2)



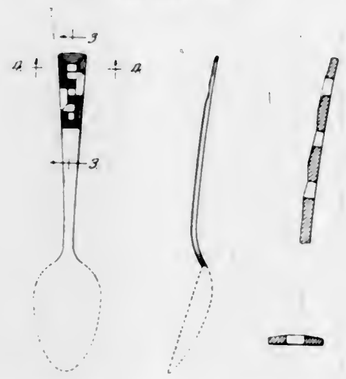
The ornamental design for a waist girdle, as shown and described.

165,949
COMBINATION HUNTER'S UTILITY TOOL
William A. Uttz, Fort Worth, Tex.
Application March 3, 1951, Serial No. 14,370
Term of patent 7 years
(Cl. D31—4)



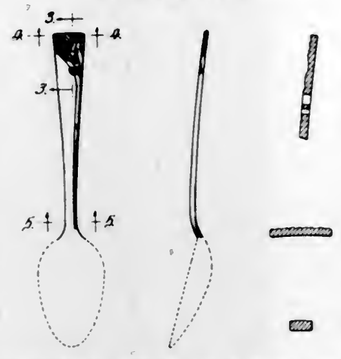
The ornamental design for a combination hunter's utility tool, substantially as shown.

165,950
SPOON OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1951, Serial No. 15,201
Term of patent 7 years
(Cl. D54—12)



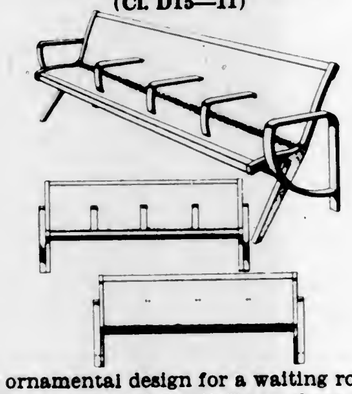
The ornamental design for a spoon or similar article, as shown and described.

165,951
SPOON OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1951, Serial No. 15,205
Term of patent 7 years
(Cl. D54—12)



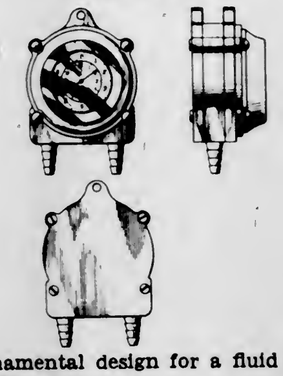
The ornamental design for a spoon or similar article, as shown and described.

165,952
WAITING ROOM SEAT OR SIMILAR ARTICLE
Raymond C. Weatherly, Dallas, Tex.
Application September 28, 1951, Serial No. 16,766
Term of patent 14 years
(Cl. D15—11)



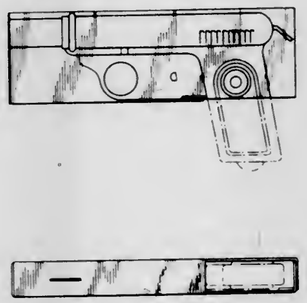
The ornamental design for a waiting room seat or similar article, substantially as shown.

165,953
FLUID MEASURING METER
Raymond C. Webster, Kansas City, Mo., assignor to W. E. Anderson, Inc., Kansas City, Mo.
Application July 9, 1951, Serial No. 15,785
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a fluid measuring meter, as shown.

165,954
PACKAGE FOR A TOY PISTOL
Robert O. Wesley, Plymouth, Mich., assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan
Application March 8, 1948, Serial No. 144,987
Term of patent 14 years
(Cl. D58—12.6)



The ornamental design for a package for a toy pistol, substantially as shown and described.

Official Gazette

UNITED STATES PATENT OFFICE

Containing the Patents, Trade-Marks, & Designs issued

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Plant Patents	1	—No.	1,075		
Patents	867	—No.	2,585,901	to No. 2,586,767,	inclusive
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Patents expiring: Patent Numbers 1,991,355 to 1,992,163, inclusive, and Plant Patents, Numbers 121 to 122, inclusive, issued February 19, 1935, expire February 19, 1952

February 19, 1952 Volume 655 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Vacuum bottle containing a small amount of anticoagulant solution. Serial No. 611,746, Feb. 19. Class 44.

Aktiebolaget Bofers, Bofors, Sweden. Crystalline chemical preparations. Serial No. 600,939, Feb. 19. Class 51.

Allen Electric and Equipment Company, Kalamazoo, Mich. Motor analyzing apparatus and parts thereof. Serial No. 597,569, Feb. 19. Class 26.

Allen, Harold R., doing business under the trade name and style "Xserviceman Shoe Company," Brockton, Mass. Men's shoes. Serial No. 600,561, Feb. 19. Class 39.

Allied Chemical & Dye Corporation, New York, N. Y. Pitch tar and asphalt, asphaltic and tarry material, etc. Serial No. 602,872, Feb. 19. Class 1.

Alpha Electronics, Inc., Little Ferry, N. J. Horizontal and vertical television deflection yokes. Serial No. 609,468, Feb. 19. Class 21.

American Laundry Machinery Company, The, Cincinnati and Norwood Station, Cincinnati, Ohio. Conditioning tumbler for laundry work. Serial No. 618,613, Feb. 19. Class 24.

American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Radiators. Serial No. 582,881, Feb. 19. Class 34.

American Vermiculite Corporation, New York, N. Y. Expanded vermiculite. Serial No. 597,572, Feb. 19. Class 12.

Archer, Clarence D., trading and doing business under the name of Archer Welding Works, Knights Landing, Calif. Wheeled trailers. Serial No. 612,888, published Feb. 19. Class 19.

Archer Welding Works: *See*—
Archer, Clarence D.

Ballinger, W. A., & Co., San Francisco, Calif. Sheets and pillowcases. Serial No. 618,877, Feb. 19. Class 42.

Barnes-Hind Laboratories, San Francisco, Calif. Medicine and pharmaceutical preparations and ingredients of medicines, etc. Serial No. 620,482, published Feb. 19. Class 18.

Beaumont Birch Company, Philadelphia, Pa. Bucket conveyor apparatus. Serial No. 616,539, Feb. 19. Class 23.

Behr-Manning Corporation, Troy, N. Y. Adhesives. Serial No. 611,883, Feb. 19. Class 5.

Behr-Manning Corporation, Troy, N. Y. Coated abrasives. Serial No. 612,291, Feb. 19. Class 4.

Belk Brothers Company, The, Charlotte, N. C. Ladies' panties. Serial No. 548,231, Feb. 19. Class 39.

Bell Company, Inc., The, Chicago, Ill. Hydraulic jack oil, fluid for wet clutches, penetrating oil, etc. Serial No. 600,807, Feb. 19. Class 15.

Benjamin Electric Manufacturing Company, Des Plaines, Ill. Fluorescent lighting reflectors. Serial No. 523,734, Feb. 19. Class 21.

Blaine Co., The, also known as The Blaine Company, Philadelphia, Pa. Women's, misses' and children's dresses. Serial No. 616,656, Feb. 19. Class 39.

Blaine Company, The: *See*—
Blaine Co., The.

Botany Mills, Inc., Passaic, N. J. Lanolin. Serial No. 617,142, Feb. 19. Class 6.

Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Antifreeze chemical. Serial No. 606,363, Feb. 19. Class 15.

Bradford Bros., Inc., Placentia, Calif. Fresh citrus fruits. Serial No. 616,358, Feb. 19. Class 46.

Breinig Brothers, Inc., Hoboken, N. J. Varnishes, lacquers, wood primers, etc. Serial No. 530,803, Feb. 19. Class 16.

Brody, Leonard, West New York, N. J. Power press tools. Serial No. 548,714, Feb. 19. Class 23.

Casco Products Corporation, Bridgeport, Conn. Electric windshield heaters, electric fans and rheostats. Serial No. 612,848, Feb. 19. Class 21.

Caterpillar Tractor Co., Peoria, Ill. Service, maintenance and repair of internal combustion engines, etc. Serial No. 601,254, Feb. 19. Class 103.

Central Pharmacal Company, The, Seymour, Ind. Pharmaceutical preparation. Serial No. 615,816, Feb. 19. Class 18.

Century Metalcraft Corporation, Los Angeles, Calif. General cleaning compound. Serial No. 573,518, Feb. 19. Class 52.

Charles, John C., Co.: *See*—
Freiburg, John, & Co.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Hand-operated tire pumps. Serial No. 600,371, Feb. 19. Class 23.

Chemagro Corporation, New York, N. Y. Emulsifying and dispersing agents. Serial No. 608,300, Feb. 19. Class 6.

Chisholm-Moore Hoist Corporation, Tonawanda, N. Y. Overhead trolleys and parts thereof. Serial No. 590,303, Feb. 19. Class 23.

Ciba Pharmaceutical Products, Inc., Summitt, N. J. Antihistamine preparation. Serial No. 613,903, Feb. 19. Class 18.

Clayton, Leroy A., doing business as Western Trailer Service, South Gate, Calif. House trailers. Serial No. 597,941, Feb. 19. Class 19.

Cluett, Peabody & Co., Inc., Troy, N. Y. Men's and boys' outer shirts, undershirts and under shorts. Serial No. 614,753, Feb. 19. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Men's and boys' bow ties. Serial No. 615,050, Feb. 19. Class 39.

Colin Pharmacal Co., Inc., Long Island City, N. Y. Liquid analgesic balm preparation. Serial No. 604,070, Feb. 19. Class 18.

Colin Pharmacal Co., Inc., Long Island City, N. Y. Medicated skin cream. Serial No. 604,075, Feb. 19. Class 18.

Colonial Chemical Co., Inc., Seattle, Wash. Brass and silver polishes. Serial No. 576,040, Feb. 19. Class 4.

Colorado Milling & Elevator Company, The, doing business as The Hungarian Flour Mills Co., Denver, Colo. Wheat flour. Serial No. 551,611, Feb. 19. Class 46.

Comfort Products, Corp., Dallas, Tex. Evaporative coolers. Serial No. 593,110, Feb. 19. Class 34.

Commercial Solvents Corporation, New York, N. Y. Penicilin salt. Serial No. 613,973, Feb. 19. Class 18.

Cook, Oscar T., Sr., Kansas City, Mo. Bread. Serial No. 616,223, Feb. 19. Class 46.

Cross, June Campbell, New York, N. Y. Turbans. Serial No. 615,053, Feb. 19. Class 39.

D'Amico, Nicholas, doing business as Suzanne Laboratories, Paterson, N. J. Perfume. Serial No. 607,317, Feb. 19. Class 51.

Davega Stores Corporation, New York, N. Y. Photographic cameras, parts of photographic cameras and accessories. Serial No. 619,458, Feb. 19. Class 26.

Davis, Jack, New York, N. Y. Dolls. Serial No. 600,469, Feb. 19. Class 22.

Dearborn Chemical Company, Chicago, Ill. Cleaners, cleaning compounds, and preparations. Serial No. 594,105, Feb. 19. Class 52.

Denney, Frances, Philadelphia, Pa. Cologne essence. Serial No. 606,137, Feb. 19. Class 51.

Diana Manufacturing Company, Green Bay, Wis. Shredded plastic film. Serial No. 611,643, Feb. 19. Class 1.

Dick, A. B., Company, Niles, Ill. Cotton for lithographic duplicating. Serial No. 610,419, Feb. 19. Class 1.

Ditto, Incorporated, Chicago, Ill. Liquid preparation for use in duplicating processes. Serial No. 595,251, Feb. 19. Class 11.

Donbobb Corporation, New York, N. Y. Piece goods. Serial No. 608,985, Feb. 19. Class 42.

Donley Brothers Company, The, Cleveland, Ohio. Fireplace dampers, log rests, ash dumps. Serial No. 568,594, Feb. 19. Class 34.

Edgar Brothers Company, Metuchen, N. J. Paint pigments. Serial No. 572,090, Feb. 19. Class 16.

Edibrac Limited, Broadheath, Cheshire, England. Cutting tools. Serial No. 605,650, Feb. 19. Class 23.

Edison Chemical Company: *See*—
Edison, Sylvan M.

Edison, Sylvan M., doing business under the name of Edison Chemical Company. Chewing gum medicated to counteract tooth decay. Serial No. 583,837, Feb. 19. Class 18.

Empire Plow Company, The, Cleveland, Ohio. Turn shovels. Serial No. 551,957, Feb. 19. Class 23.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishhooks. Serial No. 613,439, Feb. 19. Class 22.

Essential Products, Inc., Atlanta, Ga. Nutritional supplement. Serial No. 596,903, Feb. 19. Class 18.

Eureka Williams Corporation, Bloomington, Ill. Heating and air conditioning apparatus. Serial No. 583,647, Feb. 19. Class 34.

Even-Pul Foundations, Inc., New York, N. Y. Brassières, girdles, corselets and foundation garments. Serial No. 616,372, Feb. 19. Class 39.

Fairsex Foundations, Inc., New York, N. Y. Girdles, foundation garments and brassières. Serial No. 615,110, Feb. 19. Class 39.

Flaming Pit, Inc., The, Denver, Colo. Barbecue sauces and salad dressings. Serial No. 616,556, Feb. 19. Class 46.

Flexaide Co., New York, N. Y. Therapeutic apparatus. Serial No. 600,040, Feb. 19. Class 44.

Fli-Pel Company: *See*—
United Enterprises, Inc.

Fordom Forest Products Corporation, New York, N. Y. Wood products. Serial No. 610,838, Feb. 19. Class 1.

Foreman & Clark, Los Angeles, Calif. Men's suits and slacks, sport-coats, lounger jackets, etc. Serial No. 614,767, Feb. 19. Class 39.

Freiburg, John, & Co., doing business under the fictitious firm name of John C. Charles Co., Los Angeles, Calif. Metal polish. Serial No. 578,670, Feb. 19. Class 4.

Gale, Hall, Engineering: *See*—
Universal Chemists, Inc.

Gay, Connie B., Arlington, Va. Entertainment services. Serial No. 615,697, Feb. 19. Class 107.

Gem Canning Company, Emmett, Idaho. Canned corn and canned fruit. Serial No. 616,284, Feb. 19. Class 46.

General Strapping Corporation, New York, N. Y. Metal flat band strapping. Serial No. 598,011, Feb. 19. Class 13.

Gershenow, Robt. K., Co., Inc., New York, N. Y. Housedresses. Serial No. 613,368, Feb. 19. Class 39.

Golden Glint Company, Seattle, Wash. Shampoo. Serial No. 594,712, Feb. 19. Class 52.

Greater Enterprises Co., Spartanburg, S. C. Toothpaste. Serial No. 607,385, Feb. 19. Class 51.

Haas, Eduard, Sen., doing business under the style Nahrmittelfabrik Ed. Haas, Linz, Austria. Sweets. Serial No. 594,457, Feb. 19. Class 46.

Hall Laboratories, Incorporated, Pittsburgh, Pa. Chemical engineering services. Serial No. 588,028, Feb. 19. Class 100.

Hall, Robert, Clothes, Inc., New York, N. Y., and Wilmington, Del. Men's and women's suits, topcoats and overcoats. Serial No. 569,271, Feb. 19. Class 39.

Harjax Products Corp., New York, N. Y. Plastic suits and trousers. Serial No. 596,092, Feb. 19. Class 39.

Hart, Schaffner & Marx, Chicago, Ill. Men's suits, trousers, vests, coats, etc. Serial No. 615,320, Feb. 19. Class 39.

Head's of F Street, Washington, D. C. Hair cutting, hair dressing, scalp treatment, etc. Serial No. 618,395, Feb. 19. Class 100.

Henry, Lyell D., Ames, Iowa. Rocking horses. Serial No. 586,751, Feb. 19. Class 22.

Hermè: *See*
Hermet, Jean F. V.

Hermet, Jean F. V., doing business as Hermè, New York, N. Y. Fur coats, jackets, capes, stoles, etc. Serial No. 560,020, Feb. 19. Class 39.

Hermsen, Paul J., Omaha, Nebr. Preparation used for the relief of hyper-acidity in the stomach. Serial No. 614,440, Feb. 19. Class 18.

Hoben Candy Corp., Ashley, Ill. Candy. Serial No. 616,668, Feb. 19. Class 46.

Hollister Canning Company, Hollister, Calif. Canned tomatoes, canned tomato puree, and canned fruits. Serial No. 616,820, Feb. 19. Class 46.

Holly Manufacturing Company, Pasadena, Calif. Space heaters. Serial No. 566,587, Feb. 19. Class 34.

Holmes-Darst Coal Corporation, Knoxville, Tenn. Coal. Serial No. 611,897, Feb. 19. Class 1.

Hungarian Flour Mills Co., The: *See*—
Colorado Milling & Elevator Company, The.

Hytron Radio & Electronics Corp., Salem, Mass. Television picture tubes. Serial No. 612,454, Feb. 19. Class 21.

Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Cutting heads. Serial No. 606,942, Feb. 19. Class 23.

Insulation and Wires Incorporated, St. Louis, Mo. Electrical insulation. Serial No. 608,164, Feb. 19. Class 21.

Intercollegiate Broadcasting System, Inc., Schenectady, N. Y., and Washington, D. C. Radio program broadcasting services. Serial No. 622,050, Feb. 19. Class 104.

Isaacs, I. C., & Co., Inc., Baltimore, Md. Dungarees and slacks. Serial No. 602,092, Feb. 19. Class 39.

Jackie, Nimble, Inc., Dallas, Tex. Women's skirts and blouses. Serial No. 598,367, Feb. 19. Class 39.

Jones Engineering and Manufacturing Co., St. Louis, Mo. Crank case additive. Serial No. 612,968, Feb. 19. Class 15.

Jones, Harold G., New York, N. Y. Window cornices and window valances. Serial No. 603,686, Feb. 19. Class 32.

Johns-Manville Corporation, New York, N. Y. Asbestos-cement pipe, corrugated asbestos-cement sheets, etc. Serial No. 583,345, Feb. 19. Class 12.

Kabo, Inc., Chicago, Ill. Brassières. Serial No. 616,321, Feb. 19. Class 39.

Keuffel & Esser Company, Hoboken, N. J. Sensitized, transparent, photographic papers to make engineering reproductions. Serial No. 590,803, Feb. 19. Class 26.

Klug, Clarence, Los Angeles, Calif. Thread and continuous filament and staple fiber yarns. Serial No. 616,604, Feb. 19. Class 43.

Knapp Mills Incorporated, Long Island City, N. Y. Heating and cooling coils. Serial No. 616,912, Feb. 19. Class 34.

Lally, R., Co., Evanston, Ill. Laundry and dry-cleaning press covers, laundry and dry-cleaning press pads. Serial No. 600,541, Feb. 19. Class 24.

Lawr-Rae Hosiery Mills, Reading, Pa. Hosiery. Serial No. 615,606, Feb. 19. Class 39.

Ledeen, Hyman, doing business as Ledeen Manufacturing Co., Los Angeles, Calif. Hydraulic and pneumatic valves. Serial No. 618,236, Feb. 19. Class 13.

Ledeen Manufacturing Co.: *See*—
Ledeen, Hyman.

Lees, James, and Sons Company, Bridgeport, Pa. Yarn. Serial No. 612,171, Feb. 19. Class 43.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. Serial No. 593,130, Feb. 19. Class 52.

Liberty Hosiery Mills, Inc., Liberty, N. C. Women's and girls' hosiery and women's underwear. Serial No. 613,011, Feb. 19. Class 39.

Madeira Embroidery Co., West New York, N. J. Embroidery machines and parts thereof. Serial No. 596,037, Feb. 19. Class 23.

Makers of Kal, Inc., Los Angeles, Calif. Vitamin and mineral preparation. Serial No. 614,705, Feb. 19. Class 18.

Manchester Knitted Fashions, Inc., Manchester, N. H. Men's, women's, children's and infants' T-shirts, polo shirts, sweaters, etc. Serial No. 613,469, Feb. 19. Class 39.

"Manta" Societe Anonyme, Waasmunster, Belgium. Woolen fabrics and woolen blankets. Serial No. 609,448, Feb. 19. Class 42.

Manufacture de Caoutchouc Michelin, Clermont-Ferrand, (Puy-de-Dôme), France. Pneumatic tires and inner tubes. Serial No. 606,620, Feb. 19. Class 35.

Massengill, S. E., Company, The, Bristol, Tenn. Medicinal preparation. Serial No. 587,885, published Feb. 19. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Medicinal preparation. Serial No. 587,889, Feb. 19. Class 18.

Mavar Shrimp & Oyster Co., Ltd., Biloxi, Miss. Canned oysters and canned shellfish. Serial No. 606,024, Feb. 19. Class 46.

Mavar Shrimp & Oyster Co., Ltd., Biloxi, Miss. Canned oysters and canned frozen shellfish. Serial No. 606,025, Feb. 19. Class 46.

McMath, John N., Co., doing business as Lloyd Sargent, New Rochelle and New York, N. Y. Soap and shampoo. Serial No. 588,353, Feb. 19. Class 52.

McPherson, Hal W., Chicago, Ill. Domestic garbage grinder. Serial No. 613,851, Feb. 19. Class 23.

Millicent Sportwear Corp., New York, N. Y. Women's and girls' skirts and slacks. Serial No. 575,478, Feb. 19. Class 39.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Liquid, plastic base, filler. Serial No. 595,387, Feb. 19. Class 12.

Monjar, Alice, doing business as Monjar Bridal Salon, Springfield, Ohio. Pantie girdle with garters. Serial No. 614,453, Feb. 19. Class 39.

Monjar Bridal Salon: *See*—
Monjar, Alice.

Morgan, J. E., Manufacturing Company, Tamaqua, Pa. Cotton underwear. Serial No. 606,879, Feb. 19. Class 39.

Morton Salt Company, Chicago, Ill. Salt. Serial No. 534,800, Feb. 19. Class 46.

Nahrmittelfabrik Ed. Haas: *See*—
Haas, Eduard S.

Nash-Kelvinator Corporation, Detroit, Mich., and Kenosha, Wis. Passenger automobiles and structural parts therefor. Serial No. 597,895–6, Feb. 19. Class 19.

Nathan, Emanuel, Newark, N. J. Spectacle cases. Serial No. 617,158, Feb. 19. Class 26.

Nathan, Herbert, New York, N. Y. Clothing. Serial No. 570,572, Feb. 19. Class 39.

Nestle's Chocolate Company, Inc., New York, N. Y. Prepared edible chocolate. Serial No. 617,999, Feb. 19. Class 46.

Nixalite Company of America, Davenport, Iowa. Metallic bird and rodent barrier material. Serial No. 616,442, Feb. 19. Class 13.

Nolde and Horst Company, The, Reading, Pa. Women's hosiery. Serial No. 601,066, Feb. 19. Class 39.

Nolde and Horst Company, The, Reading, Pa. Men's hosiery. Serial No. 601,070, Feb. 19. Class 39.

Nu-Type Manufacturing and Development Corp., Freeport, N. Y. Household refrigerators and shelves. Serial No. 602,281, Feb. 19. Class 31.

O'Donnell Shoe Corporation, Humboldt, Tenn. Leather boots and shoes. Serial No. 542,339, Feb. 19. Class 39.

Organon Inc., Orange, N. J. Medicinal preparation. Serial No. 606,947, Feb. 19. Class 18.

Otis Engineering Corporation, Dallas, Tex. Oil and gas well producing and servicing equipment. Serial No. 613,382, Feb. 19. Class 13.

Owenby Manufacturing Company, The, Marietta, Ga. Boy's underwear. Serial No. 592,219, Feb. 19. Class 39.

Pangborn Corporation, Hagerstown, Md. Protective clothing. Serial No. 615,243, Feb. 19. Class 39.

Pawtucket Standard Braid, Inc., Pawtucket, R. I. Shoe laces. Serial No. 616,678, Feb. 19. Class 40.

Pecora, Joseph, Buffalo, N. Y. Shampoo preparation. Serial No. 593,014, Feb. 19. Class 52.

Pepperell Manufacturing Company, Boston, Mass. Blankets. Serial No. 612,702, Feb. 19. Class 42.

Peter Pan Foundations, Inc., New York, N. Y. Brassières. Serial No. 616,333, Feb. 19. Class 39.

Peters & Russell, Inc., Springfield, Ohio. Automobile exhaust deflectors. Serial No. 589,389, Feb. 19. Class 23.

Pharma-Craft Corporation, The, New York, N. Y. Antiperspirant and deodorant. Serial No. 608,945, Feb. 19. Class 51.

Philippine Embroidery Corp., New York, N. Y. Infant dresses, dress sets, christening sets, infant's gowns, etc. Serial No. 615,134, Feb. 19. Class 39.

Phillips-Jones Corporation, New York, N. Y. Men's and boys' outer dress, sport, and work shirts, collars, etc. Serial No. 593,552, Feb. 19. Class 39.

Phillips-Jones Corporation, New York, N. Y. Men's and boys' outer dress, sport, and work shirts, collars, etc. Serial No. 593,556, Feb. 19. Class 39.

Phillips-Jones Corporation, New York, N. Y. Men's and boys' dress, sport and work clothing and parts thereof, etc. Serial No. 593,681, Feb. 19. Class 39.

Pollak, Henry, Inc., New York, N. Y. Hat braids. Serial Nos. 616,509–10, Feb. 19. Class 40.

Preston-Shaffer Milling Co., Walla Walla and Waitsburg, Wash. Cake flour. Serial No. 571,994, Feb. 19. Class 46.

Procter & Gamble Company, The, Cincinnati, Ohio. Cleaner, cleanser and detergent. Serial No. 608,716, Feb. 19. Class 52.

Quality Materials Company, Buffalo, N. Y. Rockwool insulation, finish lime, wood window units, etc. Serial No. 608,474, Feb. 19. Class 12.

Radiohio, Incorporated, Columbus, Ohio. Radio and television program broadcasting service. Serial No. 610,027, Feb. 19. Class 104.

Ralston Purina Company, St. Louis, Mo. Baby turkeys. Serial No. 557,068, Feb. 19. Class 1.

Red Devil Patch Company, Sunshine, La. Non-metallic vulcanizing patches. Serial No. 588,967, Feb. 19. Class 35.

Republic Battery Sales Co., Inc., Brooklyn, N. Y. Storage batteries. Serial No. 615,851, Feb. 19. Class 21.

Republic Garment Company, Inc., also doing business as Wood Garment Mfg. Co., Republic, Mo. Men's, women's and children's slacks, trousers and jeans. Serial No. 615,342, Feb. 19. Class 39.

Roller Derby Associates, Chicago, Ill. T-shirts, sweat shirts, pullovers, etc. Serial No. 600,978, Feb. 19. Class 39.

Royal Communication Systems, Inc., Cleveland, Ohio. Electrical communication inter-room speech, light and sound signal apparatus, etc. Serial No. 609,815, Feb. 19. Class 21.

S. & S. Leather Company, Incorporated, Colchester, Conn. Non-electric hair curlers. Serial No. 595,985, Feb. 19. Class 40.

Sargent, Lloyd: *See*—
McMath, John N., Co.

Schneider, Benjamin, Philadelphia, Pa. Leather goods, plastic goods and novelties. Serial No. 582,103, Feb. 19. Class 3.

Schueller, Eugène, Paris, (Seine), France. Shampoos. Serial No. 597,934, Feb. 19. Class 52.

Sears, Roebuck and Co., Chicago, Ill. Hog feed and overhead conveyor type litter carriers, rotary wheel hog oilers, milking machines, etc. Serial No. 576,593, Feb. 19. Class 23.

Sewell Manufacturing Company, Bremen, Ga. Men's clothing. Serial No. 615,249, Feb. 19. Class 39.

Sexauer, J. A., Mfg., Co., Inc., New York, N. Y. Flush valve bulbs. Serial No. 505,247, Feb. 19. Class 13.

Sexton, John, & Co., Chicago, Ill. Floor and furniture polishes and metal polishes. Serial No. 578,710, Feb. 19. Class 4.

Shelburne Shirt Co. Inc., New York, N. Y. Men's and boys' sport shirts. Serial No. 615,250, Feb. 19. Class 39.

Shirtcraft Company, Inc., The, New York, N. Y. Men's and boys' negligee, dress, and sport shirts. Serial No. 591,962, Feb. 19. Class 39.

Shriro Trading Corporation, New York, N. Y. Ladies' hosiery. Serial No. 615,354, Feb. 19. Class 39.

Simpson, S., Limited, London, England. Men's and women's trousers and walking shorts, men's and women's jackets, etc. Serial No. 612,762, Feb. 19. Class 39.

Skycraft Manufacturing Corporation, Long Beach, Calif. Toy. Serial No. 620,907, Feb. 19. Class 22.

Sloane, W. & J., New York, N. Y. Candle holders, fireplace screens, grates, etc. Serial No. 582,062, Feb. 19. Class 34.

Snyder Oil Tool Corporation, Los Angeles, Calif. Hydraulic surge control apparatus, pilot line control apparatus. Serial No. 568,677, Feb. 19. Class 13.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax derived from petroleum. Serial No. 615,798, Feb. 19. Class 15.

Sodeco Societe des Compteurs de Geneve, Geneva, Switzerland. Instruments for dental surgery. Serial No. 511,250, Feb. 19. Class 44.

Sonneborn, L., Sons, Inc., New York, N. Y. Soluble oil. Serial No. 615,293, Feb. 19. Class 6.

Southeastern Textile Company, Inc., Griffin, Ga. Bed sheets and sheeting. Serial No. 604,812, Feb. 19. Class 42.

Speed Queen Corporation, Ripon, Wis. Laundry equipment. Serial Nos. 610,998–9, Feb. 19. Class 24.

Sperti Faraday Inc., Adrian, Mich. Visible and audible electric signals. Serial No. 615,517, Feb. 19. Class 21.

Squibb, E. R., & Sons, New York, N. Y. Penicillin-sulfonamide antibacterial preparation. Serial No. 613,244, Feb. 19. Class 18.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Lubricating oils. Serial No. 615,504, Feb. 19. Class 15.

Starline, Inc., Harvard, Ill. Farm barn hardware. Serial No. 590,714, Feb. 19. Class 13.

Stein's Stores Inc., New York, N. Y. Men's and boys' suits, trousers, coats, etc. Serial No. 614,469, Feb. 19. Class 39.

Stockwell, W. L., doing business as W. L. Stockwell Co., Chicago, Ill. Putty. Serial No. 581,839, Feb. 19. Class 12.

Stockwell, W. L., Co.: *See*—
Stockwell, W. L.

Stokes Molded Products, Inc., Trenton, N. J. Microporous storage battery separators and retainers. Serial No. 613,947, Feb. 19. Class 21.

Stollwerck, A. N., Inc., Camden, N. J. Baking and cooking chocolate and cocoa butter. Serial No. 616,732, Feb. 19. Class 46.

Stuart, Inc., St. Paul, Minn. Cologne. Serial No. 599,129, Feb. 19. Class 51.

Super Mold Corporation of California, Lodi, Calif. Steam generators, and steam cleaners. Serial No. 593,146, Feb. 19. Class 34.

Supreme Council, Mystic Order Veiled Prophets of the Enchanted Realm, Chicago, Ill. Portfolios, pocketbooks, billfolds, etc. Serial No. 615,913, Feb. 19. Class 3.

Surgical Instrument Corporation, New York, N. Y. Ring forceps, towel clamps and surgical scissors. Serial No. 612,837, Feb. 19. Class 44.

Sutton Shirt Corp., New York, N. Y. Men's dress and sport shirts. Serial No. 602,865, Feb. 19. Class 39.

Suzanne Laboratories: *See*—
D'Amico, Nicholas.

Swisstex Company, West New York, N. J. Foundation garments. Serial No. 615,949, Feb. 19. Class 39.

Texas Engineering and Manufacturing Company, Inc., Grand Prairie, Tex. Code flashers and airport landing lights. Serial No. 595,921, Feb. 19. Class 21.

Thomas, M & W, Co., New York, N. Y. Neckties and caps. Serial No. 602,173, Feb. 19. Class 39.

Thompson, Marvin R., Inc., Stamford, Conn. Medicinal hypotensive agent. Serial No. 615,806, Feb. 19. Class 18.

Thor Corporation, Chicago, Ill. Domestic washing machines. Serial No. 620,476, Feb. 19. Class 24.

Troop Water Heater Company, Pittsburgh, Pa. Water purifying and softening apparatus. Serial No. 572,620, Feb. 19. Class 31.

United Enterprises, Inc., doing business as Fli-Pel Company, Chicago, Ill. Repellent for flies and insects. Serial No. 603,581, Feb. 19. Class 6.

U. S. Handbag Corporation, New York, N. Y. Ladies' handbags, wallets, travelling cases, etc. Serial No. 615,147, Feb. 19. Class 3.

U. S. Handbag Corporation, New York, N. Y. Ladies' handbags, wallets, travelling cases, etc. Serial No. 615,733, Feb. 19. Class 3.

U. S. Vitamin Corporation, New York, N. Y. Multivitamin preparation. Serial No. 613,271, Feb. 19. Class 18.

Universal Chemists, Inc., sometimes doing business as Gale Hall Engineering, Boston, Mass. Gauge. Serial No. 618,900, Feb. 19. Class 26.

Vigny, Inc., New York, N. Y. Perfumes. Serial No. 605,818, Feb. 19. Class 51.

Vigny, Inc., New York, N. Y. Perfumes, toilet waters, face lotions, etc. Serial No. 607,060, Feb. 19. Class 51.

Viscosity Oil Company, Chicago, Ill. Hand cleaner. Serial No. 567,476, Feb. 19. Class 52.

Wade Manufacturing Co., Elgin, Ill. Electric garbage disposal units. Serial No. 610,152, Feb. 19. Class 21.

Wallace, R., & Sons Manfg. Co., The, Wallingford, Conn. Parachute hardware. Serial No. 617,897, Feb. 19. Class 13.

Washington Steel Products, Inc., Tacoma, Wash. Racks. Serial No. 615,960, Feb. 19. Class 13.

Western Brick Company, Danville, Ill. Light weight aggregate. Serial No. 614,375, Feb. 19. Class 12.

Western Trailer Service: *See*—
Clayton, Leroy A.

Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Resorcinol formaldehyde, dextrin, etc., adhesives. Serial No. 606,107, Feb. 19. Class 5.

White Laboratories, Inc., Newark, N. J. Dietary supplement preparation. Serial Nos. 613,149–50, Feb. 19. Class 18.

Willow Branch Feed and Grain Co., Inc., Willow Branch, Ind. Farm seeds. Serial No. 609,063, Feb. 19. Class 1.

Wilson, A. L., Chemical Co., Kearny, N. J. Spotting compound. Serial No. 586,028, Feb. 19. Class 52.

Wood Garment Mfg. Co.: *See*—
Republic Garment Company, Inc.

Wren, Wm., Limited, Watford, England. Leather and saddle soaps. Serial No. 603,271, Feb. 19. Class 52.

"Xserviceman Shoe Company": *See*—
Allen, Harold R.

LIST OF REGISTRANTS OF TRADE-MARKS

Absalon Brands, Inc., New York, N. Y. Cheeses. 555,053, Feb. 19; Serial No. 611,464, published Oct. 30, 1951. Class 46.

Ach, Eugene L., Cincinnati, Ohio. Toy hair washing and waving kits. 555,114, Feb. 19; Serial No. 617,574, published Dec. 4, 1951. Class 22.

Ackerman, A. C., Ballston Spa, N. Y. Knitted gloves and mittens. 555,030, Feb. 19; Serial No. 607,152, published Nov. 6, 1951. Class 39.

Acme Boot Mfg. Co., Inc., Clarksville, Tenn. Men's, women's and children's boots. 555,056, Feb. 19; Serial No. 607,653, published Nov. 13, 1951. Class 39.

Akron Hardware Mfg. Corp., Woodside, N. Y. Kitchen cabinet hardware. 554,984, Feb. 19; Serial No. 597,373, published Dec. 4, 1951. Class 13.

Aktiebolaget Svenska Amerika Linien, doing business as Swedish American Line and Swenska Amerika Linien, Goteborg, Sweden, and New York, N. Y. Transportation of passengers, cargo, mail, etc., by steamships and motor vessels. 555,123, Feb. 19; Serial No. 548,897, published Feb. 20, 1951. Class 105.

Alexander & Sprague, Chicago, Ill. Entertainment service. 555,146, Feb. 19; Serial No. 609,837, published Nov. 27, 1951. Class 107.

Allied Chemical & Dye Corporation: *See*—
Solvay Process Company, The.

American Brake Shoe Company, New York, N. Y. Vehicle wheels and truck caster wheels. 554,912, Feb. 19; Serial No. 576,386, published Nov. 20, 1951. Class 19.

American Chewing Products Corp., Newark, N. J. Chewing gum. 444,658, Feb. 19; Serial No. 512,633, published June 21, 1949. Class 46.

American Insulating Co., to P. C. Reinke, Detroit, Mich. Pocket-forming elements of pasteboard or other fibrous material for lining and insulating building walls. 269,206, renewed Apr. 1, 1950. O. G. Feb. 19. Class 12.

American Lace Paper Company, Milwaukee, Wis. Molded paper pulp cups. 555,040, Feb. 19; Serial No. 610,158, published Nov. 27, 1951. Class 2.

American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y., doing business under the firm name and style of St. Louis Cordage Mills, St. Louis, Mo. Rope, cord and twine. 554,934, Feb. 19; Serial No. 586,614, published Dec. 4, 1951. Class 7.

American Thermos Bottle Company, The, Norwich, Conn. Vacuum, thermostatic, and heat-insulated vessels. 554,937, Feb. 19; Serial No. 587,230, published Nov. 27, 1951. Class 2.

Anaconda Wire & Cable Company, New York, N. Y. Insulated electrical wire and cable. 293,011, renewed Apr. 5, 1952. O. G. Feb. 19. Class 21.

Archer Daniels-Midland Company: *See*—
Commander-Larabee Milling Company.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Lipstick pencils. 555,161, Feb. 19; Serial No. 600,713. Class 51.

Armour and Company, also doing business under the name Armour Creameries, Chicago, Ill. Fresh carcass meats, cured meats, variety meats, etc. 554,901, Feb. 19; Serial No. 571,246, published Nov. 6, 1951. Class 46.

Armour Creameries: *See*
Armour and Company.

Ateliers de la Motobecane, Pantin, Seine, France. Motor-driven bicycles and parts thereof. 555,003, Feb. 19; Serial No. 601,658, published Nov. 20, 1951. Class 19.

Atlantic Dental Laboratory, Brooklyn, N. Y. Molding of artificial cast teeth and bridges for dentists. 555,125, Feb. 19; Serial No. 553,952, published Nov. 27, 1951. Class 106.

Atlas Assurance Company Limited, New York, N. Y. Underwriting of fire insurance, miscellaneous property insurance, water damage insurance, etc. 555,140, Feb. 19; Serial No. 595,635, published Dec. 4, 1951. Class 102.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Storage tanks. 555,070, Feb. 19; Serial No. 608,857, published Nov. 27, 1951. Class 2.

Bak-Kraft Corporation, Ltd., Los Angeles, Calif. Compound of aqueous mono and di glyceryls and other esters used in the production and baking of sponge cakes. 555,010, Feb. 19; Serial No. 603,396, published Dec. 4, 1951. Class 46.

Bak-Kraft Corporation, Ltd., Los Angeles, Calif. Compound of aqueous mono and di glyceryls and other esters used in the production and baking of cakes. 555,011, Feb. 19; Serial No. 603,398, published Dec. 4, 1951. Class 46.

Ball, Mary, Candy Kitchens, Incorporated, Birmingham, Ala. Candy. 554,956, Feb. 19; Serial No. 592,749, published Dec. 4, 1951. Class 46.

Bambo Shoe Manufacturing Company: *See*—
Pierce Shoe Manufacturing Company.

Barbour, John E., Lake View, N. J., to Ludlow Manufacturing & Sales Co., Boston, Mass. Thread. 84,807–8, re-renewed Jan. 9, 1952. O. G. Feb. 19. Class 43.

Bass, Levine & Bass, Inc., New York, N. Y. Ladies' coats and suits. 555,045, Feb. 19; Serial No. 610,731, published Dec. 4, 1951. Class 39.

Beatrice Foods Co., Chicago, Ill. Bread mix. 554,980, Feb. 19; Serial No. 600,251, published Oct. 30, 1951. Class 46.

Behr, Harry, doing business as Harry Behr Co., New York, N. Y. Ladies' suits, cloaks and coats. 554,926, Feb. 19; Serial No. 582,159, published Oct. 16, 1951. Class 39.

Behr, Harry, Co.: *See*—
Behr, Harry.

Belmont Clothes, Inc., Baltimore, Md. Trousers, slacks, top coats, sport jackets, etc. 554,898, Feb. 19; Serial No. 570,687, published Mar. 14, 1950. Class 39.

Bemis Bro. Bag Company, St. Louis, Mo. Cloth bags. 554,891, Feb. 19; Serial No. 562,306, published Nov. 27, 1951. Class 2.

Benedikter, Marjorie, Sports-Wear, Inc., Minneapolis, Minn. Ladies', men's, and children's ski suits, ski pants, ski blouses, etc. 554,986, Feb. 19; Serial No. 597,732, published Nov. 13, 1951. Class 39.

Bennett Corporation, The, San Francisco, Calif. Cameras. 555,092, Feb. 19; Serial No. 614,185, published Dec. 4, 1951. Class 26.

Berk, J., Inc., New York, N. Y. Coffee. 555,167, Feb. 19; Serial No. 618,146. Class 46.

Bernardo Sandals, Inc., New York, N. Y. Sandals. 555,058, Feb. 19; Serial No. 608,127, published Dec. 4, 1951. Class 39.

Berry Brothers, Inc., Detroit, Mich., and Chicago, Ill. Waterproof finishes in the nature of and applied like lacquers and varnishes. 555,152, Feb. 19; Serial No. 557,995. Class 16.

Best Foods, Inc., The: *See*—
"Force" Food Company, The.

Blanchini, Férier, Lyon, France, to Blanchini, Ferier, Inc., New York, N. Y. Piece goods. 290,953, renewed Jan. 19, 1952. O. G. Feb. 19. Class 42.

Blanchini, Ferier, Inc.: *See*—
Blanchini, Férier.

Bird & Son, inc., East Walpole, Mass. Asphalt shingles. 555,163, Feb. 19; Serial No. 602,885. Class 12.

Blair Corset Company, Inc., Chicago, Ill. Men's abdominal belts. 333,891, Apr. 14, 1936. Republished Feb. 19. Class 44.

Blair Corset Company, Inc., Chicago, Ill. Brassières and corsets. 383,733, Dec. 24, 1940. Republished Feb. 19. Class 39.

Bohack, H. C., Co. Inc., Brooklyn, N. Y. Canned food products. 555,016, Feb. 19; Serial No. 604,899, published Nov. 27, 1951. Class 46.

Bone Dry Shoe Mfg. Co., Tacoma, Wash. Leather work shoes. 555,013, Feb. 19; Serial No. 603,833, published July 31, 1951. Class 39.

Borden Company, The: *See*—
Merrell-Soule Co.

Borg-Warner Corporation, Chicago, Ill. Window screens in knocked-down and assembled form. 555,160, Feb. 19; Serial No. 599,811. Class 12.

Bradshaw, R. D., & Sons, Wendell, Idaho. Crystallized honey. 554,957, Feb. 19; Serial No. 592,754, published Nov. 27, 1951. Class 46.

Brand & Oppenheimer, Incorporated, New York, N. Y. Textile fabrics, outerwear fabrics, and suitings. 554,904, Feb. 19; Serial No. 571,843, published Nov. 27, 1951. Class 42.

Brand and Puritz, Kansas City, Mo. Ladies', misses', and children's coats and suits. 554,874, Feb. 19; Serial No. 545,226, published Nov. 6, 1951. Class 39.

Brawer, Sidney, doing business as Tri-Ads Company, Los Angeles, Calif. Slide transparencies of stereoscopic pictures. 554,913, Feb. 19; Serial No. 576,741, published Nov. 6, 1951. Class 26.

Breathol Co.: *See*—
Fleischner, Nathan.

Brewers' Best Associates, Inc.: *See*—
McGurk, Peter J.

Bristol Seamless Ring Co.: *See*—
Kronstade, Max.

Bristol Seamless Ring Company: *See*—
Kronstade, Max.

Broitman-Gaffin Shoes, Inc., New York, N. Y. Women's and children's shoes. 555,032, Feb. 19; Serial No. 607,574, published Nov. 13, 1951. Class 39.

Brown, H. H., Shoe Co., Inc., Worcester, Mass. Men's and boys' shoes. 554,927, Feb. 19; Serial No. 582,941, published Oct. 16, 1951. Class 39.

Bruce Publishing Company, The, Milwaukee, Wis. Periodicals. 274,533, Sept. 2, 1930. Republished Feb. 19. Class 38.

Buffalo Evening News: *See*—
Butler, Edward H.

Buffalo Evening News, Inc., assignee: *See*—
Butler, Edward H.

Bunyan, Paul, Foods, Inc., Seattle, Wash., Minneapolis, Minn., and Omaha, Nebr. Potatoes. 554,985, Feb. 19; Serial No. 597,431, published Nov. 20, 1951. Class 46.

Burleigh Brooks Co., New York, N. Y. Photographic lenses. 553,222, Jan. 8, 1952. Corrected. O. G. Feb. 19. Class 26.

Butler, Edward H., individually and as trustee under the last will and testament of Edward H. Butler, deceased, doing business as Buffalo Evening News, assignor to Buffalo Evening News, Inc., Buffalo, N. Y. Entertainment service. 555,121, Feb. 19; Serial No. 539,650, published Dec. 4, 1951. Class 107.

California Favorite Foods: *See*—
Gulick, Robert L., Jr.

California Wine Association, San Francisco, Calif. Wines. 555,107, Feb. 19; Serial No. 616,149, published Dec. 4, 1951. Class 47.

Cambridge Rubber Company, The, Cambridge, Mass., and Taneytown, Md. Men's and women's shoes. 554,972, Feb. 19; Serial No. 599,366, published Dec. 4, 1951. Class 39.

Cambridge Rubber Company, The, Cambridge, Mass., and Taneytown, Md. Soles for shoes, and shoes. 555,031, Feb. 19; Serial No. 607,160, published Oct. 23, 1951. Class 39.

Cannon Shoe Company, Baltimore, Md. Ladies' and misses' shoes. 555,036, Feb. 19; Serial No. 609,629, published Nov. 13, 1951. Class 39.

Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., now by merger and change of name United States Steel Company. Steel flooring. 555,158, Feb. 19; Serial No. 592,250. Class 12.

Caron Corporation, New York, N. Y. Perfume. 555,153, Feb. 19; Serial No. 563,309. Class 51.

Chamberlin Company of America: *See*—
Chamberlin Metal Weather Strip Company.

Chamberlin Metal Weather Strip Company, to Chamberlin Company of America, Detroit, Mich. Screens. 291,591, renewed Feb. 23, 1952. O. G. Feb. 19. Class 13.

Chase Bag Company: *See*—
Renwood Food Products, Inc., The.

Chen Yu, Inc., assignor to Richard Hudnut, New York, N. Y. Nail lacquer, liquid nail lacquer remover, nail lacquer thinner, etc. 555,164, Feb. 19; Serial No. 604,069. Class 51.

Childers Manufacturing Co., Houston, Tex. Metal awnings. 555,165, Feb. 19; Serial No. 606,588. Class 12.

Chi Omega Fraternity, Cincinnati, Ohio. Stimulating and helping maintain interest in education, civic affairs, and social services. 555,148, Feb. 19; Serial No. 600,650, published Dec. 4, 1951. Class 100.

Chi Psi Fraternity, Ann Arbor, Mich. Services for male college students. 555,126, Feb. 19; Serial No. 561,804, published Nov. 20, 1951. Class 101.

Ciro of Bond Street, Inc.: *See*—
Ciro Pearls Limited.

Ciro Pearls Limited, London, England, by Ciro of Bond Street, Inc., New York, N. Y. Finger rings, jewelled pins, earrings, etc. 327,696, Sept. 3, 1935. Republished Feb. 19, 1952. Classes 28 and 40.

Clary Multiplier Corporation, San Gabriel, Calif. Computing machines. 555,113, Feb. 19; Serial No. 616,817, published Nov. 6, 1951. Class 26.

Claster, Bertram H., Baltimore, Md. Advertising the goods and services of sponsors. 555,145, Feb. 19; Serial No. 609,229, published Nov. 13, 1951. Class 101.

Cohen, Isidor H.: *See*—
Mandel & Cohen.

Columbia Commerce & Credit Corporation, New York, N. Y. Representing and acting for clients as agents, etc., for the purchase and sale of machinery, etc. 555,130, Feb. 19; Serial No. 572,165, published Nov. 27, 1951. Class 100.

Columbia River Packers Association, Inc., Astoria, Oreg. Canned fish. 555,078, Feb. 19; Serial No. 611,829, published Nov. 13, 1951. Class 46.

Commander-Larabee Milling Company, Minneapolis, Minn., now by merger Archer-Daniels-Midland Company. Wheat flour. 554,961, Feb. 19; Serial No. 594,252, published Nov. 20, 1951. Class 46.

Concord Clothes, Inc., New York, N. Y. Women's, men's, young men's and students' clothing. 554,966, Feb. 19; Serial No. 595,452, published Dec. 4, 1951. Class 39.

Conde Nast Publications, Inc., The, New York, N. Y. Paper dress patterns. 555,106, Feb. 19; Serial No. 615,972, published Nov. 6, 1951. Class 26.

Connell Bros. Company Limited, San Francisco, Calif. Fresh onions and canned fruit nectars and canned fish. 555,073, Feb. 19; Serial No. 608,983, published Nov. 20, 1951. Class 46.

Consolidated Paper Bag Company, The, Somerville, Mass. Paper bags. 554,905, Feb. 19; Serial No. 572,088, published Nov. 27, 1951. Class 2.

Continental Bus System, Inc., Dallas, Tex. Transportation of passengers, baggage, express, etc., by motor busses. 555,122, Feb. 19; Serial No. 548,800, published Dec. 4, 1951. Class 105.

Continental Oil Company, Ponca City, Okla. Automobile travel information service. 555,132, Feb. 19; Serial No. 579,968, published Nov. 27, 1951. Class 105.

Converse Rubber Corporation, Malden, Mass. Rubber-soled canvas shoes. 555,072, Feb. 19; Serial No. 608,922, published Nov. 13, 1951. Class 39.

Cook Bros. Equipment Co., Los Angeles, Calif. Auxiliary transmission and mechanisms for motor vehicles. 554,919, Feb. 19; Serial No. 579,267, published Sept. 25, 1951. Class 23.

Corman Leather Company, Inc., assignee: *See*—
Universal Manufacturing Corporation.

Cortez Cigar Co., Red Lion, Pa. Cigars. 554,977, Feb. 19; Serial No. 599,862, published Nov. 27, 1951. Class 17.

Costa Bros., Yuba City, Calif. Fresh vegetables and fresh fruits. 386,544, Apr. 15, 1941. Republished Feb. 19, 1952. Class 46.

Craddock-Terry Shoe Corporation, Lynchburg, Va. Boys' shoes. 555,076, Feb. 19; Serial No. 611,766, published Dec. 4, 1951. Class 39.

Craddock-Terry Shoe Corporation, Lynchburg, Va. Men's shoes. 555,077, Feb. 19; Serial No. 611,767, published Dec. 4, 1951. Class 39.

Crest Company, The: *See*—
Larkin, Daniel C.

Crompton Company, West Warwick, R. I. Fabrics in the piece. 444,657, Feb. 19; Serial No. 501,313, published Nov. 27, 1951. Class 42.

Crown's Cookies, Cakes and Candies: *See*—
Zink, Erna.

Dan River Mills, Incorporated, Danville, Va. Sheets and pillow cases. 555,097, Feb. 19; Serial No. 614,756, published Nov. 27, 1951. Class 42.

Davis, Juanita B., Charleston, W. Va. Hair preparation. 555,157, Feb. 19; Serial No. 582,827. Class 51.

Daytimer Shoe Company, Worcester, Mass. Women's and misses' shoes. 555,062, Feb. 19; Serial No. 608,450, published Nov. 13, 1951. Class 39.

Deering, Milliken & Co., Inc., New York, N. Y. Textile piece goods. 554,975, Feb. 19; Serial No. 599,618, published Nov. 27, 1951. Class 42.

Delightform Foundations, Inc., Easton, Pa. Brassières and slips. 554,987, Feb. 19; Serial No. 597,819, published Mar. 20, 1951. Class 39.

Delta Heating Corporation, New York, N. Y. Oil burners and parts therefor. 554,863, Feb. 19; Serial No. 510,940, published Oct. 25, 1949. Class 34.

Denton Corporation, The, Oakland, Calif. Transparent bags. 554,911, Feb. 19; Serial No. 575,394, published Nov. 27, 1951. Class 2.

Diamond Expansion Bolt Co., Inc.: *See*—
Newhall, Henry B.

Dickerson, Walker T., Company, The, Columbus, Ohio. Women's and misses' shoes. 555,075, Feb. 19; Serial No. 611,693, published Dec. 4, 1951. Class 39.

Dicksons & Co. (Dungannon) Ltd., Dungannon, Northern Ireland. Linen fabrics in the piece. 554,892, Feb. 19; Serial No. 565,995, published Nov. 27, 1951. Class 42.

Dover Lane Clothes, Inc., New York, N. Y. Men's suits, coats, vests, etc. 554,897, Feb. 19; Serial No. 569,511, published Nov. 13, 1951. Class 39.

Duche & Knight Limited, London, England. Bone meal. 555,065, Feb. 19; Serial No. 608,593, published Nov. 27, 1951. Class 46.

du Pont, E. I., de Nemours and Company, Wilmington, Del. Yarns. 555,085, Feb. 19; Serial No. 612,450, published Dec. 4, 1951. Class 43.

Earth Excavators Incorporated, Tuckahoe, N. Y. Excavating, grading and paving roads, etc. 555,134, Feb. 19; Serial No. 583,033, published Nov. 27, 1951. Class 103.

Earth Excavators Incorporated, Tuckahoe, N. Y. Excavating, grading and paving roads, etc. 555,135, Feb. 19; Serial No. 583,034, published Dec. 4, 1951. Class 103.

Eddins, L. W., Calipatria, Calif. Fresh melons. 554,999, Feb. 19; Serial No. 601,030, published Dec. 4, 1951. Class 46.

Efurd Machine & Welding Company, Inc., Bossier City, La. Post and pole creosoting or wood preserving machines and post peeling machines. 554,882, Feb. 19; Serial No. 554,962, published Nov. 13, 1951. Class 23.

Eliscu & Company, Inc., New York, N. Y. Bias binding, dress belting, novelty trimming, etc. 554,929, Feb. 19; Serial No. 584,756, published July 3, 1951. Class 40.

Em-Jay Candy Company, doing business under the trade name Goldette Confections, Chicago, Ill. Candy. 554,878, Feb. 19; Serial No. 550,797, published Aug. 1, 1950. Class 46.

Emporium Capwell Company, The, doing business as The Emporium, San Francisco, Calif. Braids, shoe and belt buckles, buttons, etc. 554,936, Feb. 19; Serial No. 586,744, published Dec. 4, 1951. Class 40.

Emporium, The: *See*—
Emporium Capwell Company, The.

Ercona Camera Corporation, New York, N. Y. Cameras. 554,952, Feb. 19; Serial No. 591,843, published Nov. 6, 1951. Class 26.

Ercona Camera Corporation, New York, N. Y. Cameras. 555,103, Feb. 19; Serial No. 615,445, published Nov. 6, 1951. Class 26.

Ercona Camera Corporation, New York, N. Y. Photographic lenses. 555,104, Feb. 19; Serial No. 615,446, published Nov. 6, 1951. Class 26.

Esso Standard Oil Company: *See*—
Standard Oil Company of New Jersey.

Evans Industries, Inc., Marion, Ind. Canned dog food. 555,037, Feb. 19; Serial No. 609,715, published Nov. 13, 1951. Class 46.

Everston, Joseph H., Milwaukee, Wis. Shoes. 554,890, Feb. 19; Serial No. 561,190, published Nov. 13, 1951. Class 39.

Factory Outlet Shoe Store, Inc., San Antonio, Tex. Ladies' shoes. 555,023, Feb. 19; Serial No. 606,285, published Nov. 6, 1951. Class 39.

Farley Manufacturing Company, Skokie, Ill. Candles. 554,909, Feb. 19; Serial No. 574,223, published Oct. 30, 1951. Class 46.

Farm Bureau Cooperative Association, Inc., The, Columbus, Ohio. Textile and paper bags. 555,118, Feb. 19; Serial No. 618,259, published Dec. 4, 1951. Class 2.

Farm Tools, Inc., Mansfield, Ohio. Rotary cultivators. 554,877, Feb. 19; Serial No. 550,399, published Sept. 25, 1951. Class 23.

Fearn Foods Inc.: *See*—
Fearn Laboratories, Inc.

Fearn Laboratories, Inc., Franklin Park, Ill., now by change of name Fearn Foods Inc. Canned soups, soup bases and canned soup concentrates, etc. 554,864, Feb. 19; Serial No. 519,641, published Dec. 4, 1951. Class 46.

Federal Cigar Company, Inc., The, Red Lion, Pa. Cigars. 555,052, Feb. 19; Serial No. 611,348, published Nov. 27, 1951. Class 17.

Filice & Perrelli Canning Company, Incorporated, Richmond, Calif. Canned fruits, canned deciduous fruit juices, etc. 554,928, Feb. 19; Serial No. 583,794, published Nov. 20, 1951. Class 46.

Fleischner, Nathan, doing business as Breathol Co., Nutley, N. J. Tobacco flavoring ingredient. 555,050, Feb. 19; Serial No. 610,959, published Nov. 27, 1951. Class 17.

Florsheim Shoe Company, The, Chicago, Ill. Women's shoes. 555,067, Feb. 19; Serial No. 608,792, published Nov. 27, 1951. Class 39.

"Force" Food Company, The, Buffalo, to The Best Foods, Inc., New York, N. Y. Cereal food products. 37,560, re-renewed Dec. 31, 1951. O. G. Feb. 19. Class 46.

Foster Grant Co., Inc., Leominster, Mass. Combs. 554,982, Feb. 19; Serial No. 600,956, published Dec. 4, 1951. Class 40.

Fowler, Roscoe, doing business under the name and style of Sturdee Steel Products Company, Los Angeles, Calif. Jam-type mounting hardware. 555,044, Feb. 19; Serial No. 610,677, published Dec. 4, 1951. Class 13.

Fujita, John, Watsonville, Calif. Artificial fish lures. 555,018, Feb. 19; Serial No. 605,653, published Nov. 27, 1951. Class 22.

Geary-Jennings, Los Angeles, Calif. Combined automatic samplers and transferring devices in the nature of a machine. 554,960, Feb. 19; Serial No. 594,115, published Sept. 25, 1951. Class 23.

Gebr. Laubscher & Co. Aktiengesellschaft, Tauffelen, Switzerland. Needles for talking machines and sound reproduction instruments. 554,903, Feb. 19; Serial No. 571,812, published Nov. 27, 1951. Class 36.

Genant, William A., Syracuse, N. Y. Canned vegetables, canned fruits, canned fish, etc. 554,893, Feb. 19; Serial No. 566,873, published Nov. 6, 1951. Class 46.

General Cigar Co., Inc., New York, N. Y. Cigars. 290,160, renewed Dec. 22, 1951. O. G. Feb. 19. Class 17.

General Steel Warehouse Co., Inc., Chicago, Ill. Builders' hardware. 555,090, Feb. 19; Serial No. 613,986, published Nov. 27, 1951. Class 13.

Gift-Pax, New York, N. Y. Medicinal and pharmaceutical preparations. 555,162, Feb. 19; Serial No. 602,076. Class 18.

Glaser Shoe Company, San Francisco, Calif. Men's and women's slippers. 554,917, Feb. 19; Serial No. 578,788, published Dec. 4, 1951. Class 39.

Glenwear, Inc., New York, N. Y. Children's blouses. 555,029, Feb. 19; Serial No. 607,015, published Nov. 6, 1951. Class 39.

Goldberger, Leo J., doing business as L. Wohl & Co., to L. Wohl & Company, Inc., New York, N. Y. Children's and misses' dresses. 293,135, renewed Apr. 12, 1952. O. G. Feb. 19. Class 39.

Goldette Confections: *See*—
Em-Jay Candy Company.

Goulds Pumps, Inc., Seneca Falls, N. Y. Centrifugal pumps. 554,946, Feb. 19; Serial No. 589,084, published Oct. 9, 1951. Class 23.

Griswold Salve Corporation, The, Hartford, Conn. Salve. 83,065, re-renewed Aug. 15, 1951. O. G. Feb. 19. Class 18.

Gulick, Robert L., Jr., doing business under the name California Favorite Foods, Berkeley, Calif. Coffee concentrate. 555,035, Feb. 19; Serial No. 609,593, published Nov. 27, 1951. Class 46.

Gustinettes Incorporated, New York, N. Y. Women's shoes and slippers. 554,939, Feb. 19; Serial No. 588,026, published Oct. 10, 1950. Class 39.

Haase, Wilbert W., Co., Forest Park, Ill. Burial vaults. 502,902, Oct. 12, 1948. Corrected. O. G. Feb. 19; Class 2.

Half Moon Fruit & Produce Co., San Francisco, Calif. Fresh fruit and vegetables, and dressed fresh and frozen poultry. 555,057, Feb. 19; Serial No. 608,066, published Nov. 27, 1951. Class 46.

Hallauer, W. A., doing business as Wapato Packing Company, assignor to Wapato Packing, Inc., Wapato, Wash. Canned fruits. 554,896, Feb. 19; Serial No. 568,058, published Dec. 4, 1951. Class 46.

Handmacher-Vogel, Inc., New York, N. Y. Women's suits. 554,949, Feb. 19; Serial No. 591,365, published Dec. 4, 1951. Class 39.

Heller, B., and Company, Chicago, Ill. Washing powder and cleansing compound. 282,061, Apr. 7, 1931. Corrected. O. G. Feb. 19. Class 52.

Her Majesty Underwear Company, Leola, Pa., and New York, N. Y. Slips for girls. 555,038, Feb. 19; Serial No. 609,975, published Dec. 4, 1951. Class 39.

Herman, Shirley, Montreal, Quebec, Canada. Knitting yarn, and thread. 554,963, Feb. 19; Serial No. 595,138, published Dec. 4, 1951. Class 43.

Highgrove Fruit Association, Highgrove, Calif. Fresh citrus fruits. 554,870, Feb. 19; Serial No. 539,954, published Dec. 4, 1951. Class 46.

Hollywood-Maxwell Company, Los Angeles, Calif. Brassières. 555,047, Feb. 19; Serial No. 610,904, published Dec. 4, 1951. Class 39.

Hudnut, Richard, assignee: *See*—
Chen Yu, Inc.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Sprayhead attachments. 555,000, Feb. 19; Serial No. 601,046, published Dec. 4, 1951. Class 13.

Hudson Motor Car Company, Detroit, Mich. Internal combustion engines. 555,021, Feb. 19; Serial No. 606,077, published Sept. 25, 1951. Class 23.

Huffman, Romayne E., Carroll, Iowa. Game. 555,112, Feb. 19; Serial No. 616,670, published Nov. 27, 1951. Class 22.

Hydro-Controls Company, West Allis, Wis. Endless belt conveyors and gear speed reducers. 555,082, Feb. 19; Serial No. 612,076, published Nov. 13, 1951. Class 23.

Hygrade Food Products Corporation, New York, N. Y. Lard, beef frankfurters, beans and all beef frankfurters, etc. 554,876, Feb. 19; Serial No. 548,372, published Nov. 13, 1951. Class 46.

Ideal Hosiery Mills, Philadelphia, Pa. Infants' and children's hosiery. 555,043, Feb. 19; Serial No. 610,561, published Nov. 13, 1951. Class 39.

Illinois Tool Works, Chicago, Ill. Preassembled nuts and washers. 555,017, Feb. 19; Serial No. 605,420, published Nov. 27, 1951. Class 13.

Imperial Candy Company, Seattle, Wash. Candy. 554,997, Feb. 19; Serial No. 598,998, published Dec. 4, 1951. Class 46.

Independent Growers, Inc.: *See*—
Rooke, B. G.

Interstate Readers Service, Inc., Dallas, Tex. Acting as an agency for nationally-known periodical magazine publications, etc. 555,142, Feb. 19; Serial No. 597,615, published Nov. 27, 1951. Class 100.

Invention Sales Company, Lovelock, Nev., and Chicago, Ill. Toy building blocks. 555,055, Feb. 19; Serial No. 607,592, published Nov. 27, 1951. Class 22.

Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoes. 554,990, Feb. 19; Serial No. 598,019, published Oct. 16, 1951. Class 39.

Jordan Marsh Company, Boston, Mass. Mattresses. 293,360, renewed Apr. 19, 1952. O. G. Feb. 19. Class 32.

Juvenile Shoe Corporation of America, The, Aurora, Mo. Shoes and slippers. 555,024, Feb. 19; Serial No. 606,302, published Dec. 4, 1951. Class 39.

K-B Products Corp., Catskill, N. Y. Bottled mushroom juice. 554,965, Feb. 19; Serial No. 595,261, published Nov. 27, 1951. Class 46.

Kay Electric Company, Pine Brook, N. J. Switching apparatus. 555,012, Feb. 19; Serial No. 603,688, published Nov. 6, 1951. Class 26.

Kellogg Company, Battle Creek, Mich. Animal and poultry feeds. 554,981, Feb. 19; Serial No. 600,341, published Nov. 20, 1951. Class 46.

Kennedy Sinclaire, Inc., New York, N. Y. Periodical publications. 550,886, Nov. 13, 1951. Corrected. O. G. Feb. 19. Class 38.

Kessler Shoe Manufacturing Company, Inc., Westminster, Md. Infants' and children's shoes. 555,028, Feb. 19; Serial No. 606,783, published Nov. 13, 1951. Class 39.

Keuffel & Esser Company, Hoboken, N. J. Measuring tapes. 549,049, Oct. 2, 1951. Corrected. O. G. Feb. 19. Class 26.

Kipe Offset Process Company, Inc., New York, N. Y. Lithographic half-tone printing. 555,136, Feb. 19; Serial No. 584,063, published Dec. 4, 1951. Class 101.

Kleinert, I. B., Rubber Company, New York, N. Y. Girdles. 554,964, Feb. 19; Serial No. 595,216, published Dec. 4, 1951. Class 39.

Kodama Bros., Imperial, Calif. Fresh vegetables. 555,087, Feb. 19; Serial No. 612,922, published Nov. 20, 1951. Class 46.

Kreider, A. S., Co., The, Lebanon, Pa. Misses', girls', boys', and children's shoes. 554,918, Feb. 19; Serial No. 578,981, published Oct. 16, 1951. Class 39.

Kreider, A. S., Co., The, Lebanon, Pa. Misses', girls', boys', men's, women's and children's shoes. 554,921, Feb. 19; Serial No. 579,983, published Oct. 16, 1951. Class 39.

Kresge Department Store Corporation, to Kresge-Newark, Inc., Newark, N. J. Handkerchiefs, broad-cloth, cotton, silk piece goods, etc. 293,111, renewed Apr. 12, 1952. O. G. Feb. 19. Class 42.

Kresge Department Store Corporation, to Kresge-Newark, Inc., Newark, N. J. Women's, misses' and children's stockings, dresses, etc. 293,176, renewed Apr. 12, 1952. O. G. Feb. 19. Class 39.

Kresge-Newark, Inc.: *See*—
Kresge Department Store Corporation.

Kroll Trading Co., New York, N. Y. Pocket knives. 555,026, Feb. 19; Serial No. 606,476, published Sept. 25, 1951. Class 23.

Kronstade, Max, doing business as Bristol Seamless Ring Co., to Bristol Seamless Ring Company, New York, N. Y. Finger rings. 280,608, renewed Feb. 24, 1951. O. G. Feb. 19. Class 28.

La Crosse Rubber Mills Company, La Crosse, Wis. Rubber footwear. 554,993–4, Feb. 19; Serial Nos. 598,799–800, published Nov. 13, 1951. Class 39.

Lambert Pharmacal Company, to Lambert Pharmacal Company, St. Louis, Mo. Antiseptic. 85,150, re-renewed Jan. 30, 1952. O. G. Feb. 19. Class 18.

Langerman Shoe Co., Brooklyn, N. Y. Footwear. 554,900, Feb. 19; Serial No. 570,970, published Oct. 16, 1951. Class 39.

Larkin, Daniel C., doing business under the assumed name of The Crest Company, Detroit, Mich. Automobile seat covers. 554,954–5, Feb. 19; Serial Nos. 592,712–13, published Nov. 20, 1951. Class 19.

Lass O'Scotland, Ltd., New York, N. Y. Ladies' knitted suits and sweaters. 555,025, Feb. 19; Serial No. 606,305, published Dec. 4, 1951. Class 39.

Lawfield Packing Company, The, Bridgeport, Conn. Canned soups. 555,039, Feb. 19; Serial No. 610,016, published Nov. 27, 1951. Class 46.

Lawtons Canning Co., Inc., Lawtons, N. Y. Canned vegetables. 555,079, Feb. 19; Serial No. 611,905, published Nov. 6, 1951. Class 46.

Lawtons Canning Co., Inc., Lawtons, N. Y. Canned and frozen fruits and vegetables. 555,080, Feb. 19; Serial No. 611,906, published Nov. 6, 1951. Class 46.

Lehon Company, The, Chicago, Ill. Crowbars, pinch bars, wrecking bars, etc. 444,659, Feb. 19; Serial No. 520,734, published Sept. 18, 1951. Class 23.

Léron, Inc., New York, N. Y. Linens. 555,101–2, Feb. 19; Serial Nos. 615,125–6, published Nov. 27, 1951. Class 42.

Leschen, A., & Sons Rope Company, St. Louis, Mo. Wire rope. 555,022, Feb. 19; Serial No. 606,153, published Dec. 4, 1951. Class 7.

Lindsay, Henry, Limited, Bradford, England. Bolts. 554,962, Feb. 19; Serial No. 594,510, published Dec. 4, 1951. Class 13.

Lloyd Chain Manufacturing Co., Maryville, Mo. Tire chains. 554,916, Feb. 19; Serial No. 577,675, published Dec. 4, 1951. Class 13.

Lone Star Steel Company, Dallas, Tex. Cement lined cast iron pipe. 555,089, Feb. 19; Serial No. 613,926, published Nov. 27, 1951. Class 13.

Lowe, Joe, Corporation, New York, N. Y. Empty bags. 555,086, Feb. 19; Serial No. 612,660, published Dec. 4, 1951. Class 2.

Lucky Stride Shoes, Inc., Maysville, Ky. Women's shoes. 555,059, Feb. 19; Serial No. 608,254, published Nov. 13, 1951. Class 39.

Lucy Lynne, Inc., Brooklyn, N. Y. Chocolate candies. 555,007, Feb. 19; Serial No. 602,512, published Oct. 30, 1951. Class 46.

Ludlow Manufacturing & Sales Co.: *See*—
Barbour, John E.

Mail-Well Specialty Bag Company, Portland, Oreg., now by change of name Pak-Well Paper Products Company. Glassine bags. 555,155, Feb. 19; Serial No. 577,636. Class 2.

Major Fashions, Inc., New York, N. Y. Ladies' fur lined and fur trimmed coats ad jackets. 554,992, Feb. 19; Serial No. 598,485, published Dec. 4, 1951. Class 39.

Male, Roy R., doing business as Skyway Cruises, New York, N. Y. Travel agency services. 555,141, Feb. 19; Serial No. 596,857, published Dec. 4, 1951. Class 105.

Malt-A-Plenty, Inc., Tulsa, Okla. Stabilizer for use in the manufacture of ice cream, ice milk and related products. 555,069, Feb. 19; Serial No. 608,824, published Nov. 27, 1951. Class 46.

Mandel & Cohen, to I. H. Cohen, New York, N. Y. Underwear. 293,041, renewed Apr. 5, 1952. O. G. Feb. 19. Class 39.

Mayest Inc., New York, N. Y. Sport coats. 554,959, Feb. 19; Serial No. 593,360, published Nov. 13, 1951. Class 39.

McGurk, Peter J., Elizabeth, N. J., assignee of Brewers' Best Associates, Inc. Beer. 555,150–1, Feb. 19; Serial Nos. 534,412–13. Class 48.

McKesson & Robbins, Incorporated, New York, N. Y. Gathering and furnishing to physicians and retail druggists complete information on pharmaceutical products. 555,133, Feb. 19; Serial No. 580,734, published Dec. 4, 1951. Class 100.

Merrell-Soule Co., Syracuse, to The Borden Company, New York, N. Y. Whole-milk powder, half-skimmed-milk powder, and skimmed-milk powder. 84,844, re-renewed Jan. 9, 1952. O. G. Feb. 19. Class 46.

Metzger, Morris, & Sons, Inc., New York, N. Y. Ladies' and misses' coats. 555,066, Feb. 19; Serial No. 608,711, published Dec. 4, 1951. Class 39.

Michael Barrie, Inc., New York, N. Y. Ladies' dresses, blouses, and skirts. 555,027, Feb. 19; Serial No. 606,692, published Dec. 4, 1951. Class 39.

Middle South, The, New Orleans, La. Promotion of the development and industrial growth of the area comprising the States of Arkansas, Louisiana, and Mississippi. 555,139, Feb. 19; Serial No. 593,849, published Dec. 4, 1951. Class 100.

Miles Shoes Incorporated, New York, N. Y. Hosiery. 554,885, Feb. 19; Serial No. 555,949, published Oct. 16, 1951. Class 39.

Miller, Charles N., Boston, Mass. Candy. 95,225, Feb. 3, 1914. Amended. O. G. Feb. 19. Class 46.

Miller, Herbert, Inc., New York, N. Y. Misses' dresses, coats, suits, etc. 555,046, Feb. 19; Serial No. 610,754, published Nov. 20, 1951. Class 39.

Miller-Jones Company, Columbus, Ohio. Shoes. 554,910, Feb. 19; Serial No. 575,363, published Nov. 13, 1951. Class 39.

Miller Manufacturing Company: *See*—
Miller Pants, Inc.

Miller Pants, Inc., doing business as Miller Manufacturing Company, Amsterdam, N. Y. Collars. 554,914, Feb. 19; Serial No. 577,441, published Dec. 4, 1951. Class 39.

Minneapolis, St. Paul & Sault Ste. Marie Railroad Company, Minneapolis, Minn. Railroad passenger and freight transportation service. 555,143, Feb. 19; Serial No. 600,346, published Dec. 4, 1951. Class 105.

Minute Maid Corporation, New York, N. Y. Frozen concentrated juices of citrus fruits. 555,105, Feb. 19; Serial No. 615,870, published Nov. 13, 1951. Class 46.

Mit-Shel Company, Quincy, Ill. Minnow buckets. 554,976, Feb. 19; Serial No. 599,643, published Dec. 4, 1951. Class 22.

Morco, Inc., Cleveland, Ohio. Finished camshafts and crankshafts. 555,063, Feb. 19; Serial No. 608,463, published Oct. 30, 1951. Class 23.

Morris Candy Co., to Miss Morris Candies, Minneapolis, Minn. Candy. 283,042, renewed May 12, 1951. O. G. Feb. 19. Class 46.

Morris, Miss, Candies: *See*—
Morris, Candy Co.

Morris, Philip, & Co. Ltd., Incorporated, New York, N. Y. Cigarettes. 555,064, Feb. 19; Serial No. 608,465, published Nov. 27, 1951. Class 17.

National Alfalfa Dehydrating & Milling Company, Lamar, Colo. Enriched dehydrated alfalfa meal. 554,935, Feb. 19; Serial No. 586,645, published Nov. 6, 1951. Class 46.

National Dairy Products Company, Inc.: *See*—
National Dairy Products Corporation.

National Dairy Products Corporation, Wilmington, Del., to National Dairy Products Company, Inc., New York, N. Y. Frozen citrus juice. 289,055, renewed Nov. 17, 1951. O. G. Feb. 19. Class 46.

National Organ Supply Company, Erie, Pa. Plastic dishes. 555,041, Feb. 19; Serial No. 610,183, published Nov. 27, 1951. Class 2.

National Pressure Cooker Company, Eau Claire, Wis. Starter mechanism for outboard motor. 554,884, Feb. 19; Serial No. 555,615, published Oct. 30, 1951. Class 23.

National Washboard Company, Chicago, Ill. Wash-boards. 288,590, renewed Nov. 3, 1951. O. G. Feb. 19. Class 24.

Nestor Johnson, Manufacturing Company, Chicago, Ill. Ice skates and skate outfits. 289,970, renewed Dec. 15, 1951. O. G. Feb. 19. Class 22.

Newhall, Henry B., New York, N. Y., to Diamond Expansion Bolt Co., Inc., Garwood, N. J. Expansion-bolts, screws, and expansion-shields. 37,630, re-renewed Jan. 7, 1952. O. G. Feb. 19. Class 13.

Norben, Inc., Indianapolis, Ind. Aluminum drinking tumblers. 554,988, Feb. 19; Serial No. 597,897, published Nov. 27, 1951. Class 13.

Northam Warren, New York, N. Y., to Northam Warren Corporation, Stamford, Conn. Cuticle remover. 86,257, re-renewed Apr. 23, 1952. O. G. Feb. 19. Class 51.

Northam Warren Corporation: *See*—
Warren, Northam.

Northeast Shoe Co., Inc., Pittsfield, Maine. Shoes. 555,071, Feb. 19; Serial No. 608,891, published Dec. 4, 1951. Class 39.

Oil Equipment Manufacturing Corporation, New Haven, Conn. Threaded bushings. 554,899, Feb. 19; Serial No. 570,714, published Dec. 4, 1951. Class 13.

O'Neil, Carl W., Chicago, Ill. Child's tricycle. 555,015, Feb. 19; Serial No. 604,702, published Nov. 27, 1951. Class 22.

Orkin Exterminating Company, Inc., Atlanta, Ga. Insecticides and deodorants. 289,510, renewed Dec. 1, 1951. O. G. Feb. 19. Class 52.

Orr, Anne, Studio, Nashville, Tenn. Creating and developing designs. 555,131, Feb. 19; Serial No. 578,950, published Nov. 27, 1951. Class 100.

Osceola Foods, Inc., Osceola, Ark. Oleomargarine. 554,922, Feb. 19; Serial No. 580,505, published Dec. 4, 1951. Class 46.

Owen Drug Co., Salisbury, N. C. Mentholated-creosoted preparation. 550,990, Nov. 20, 1951. Corrected. O. G. Feb. 19. Class 18.

Pabco Products Inc.: *See*—
Paraffine Companies, Inc., The.

Pacific Farm Company, San Jose, Calif. Fresh vegetables and fresh deciduous fruits. 554,998, Feb. 19; Serial No. 599,051, published Nov. 20, 1951. Class 46.

Pacific Mills, Boston, Mass., and New York, N. Y. Rayon piece goods. 555,099, Feb. 19; Serial No. 615,079, published Nov. 27, 1951. Class 42.

Pak-Well Paper Products Company: *See*—
Mail-Well Specialty Bag Company.

Palace Corporation, Flint, Mich. House trailers for automobiles. 554,867, Feb. 19; Serial No. 535,991, published Sept. 12, 1950. Class 19.

Paraffine Companies, Inc., The, to Pabco Products Inc., San Francisco, Calif. Dry and ready-mixed paints and paint enamels. 291,006, renewed Jan. 26, 1952. O. G. Feb. 19. Class 16.

Perma-Sheen Chemical Company, Washington, Pa. Liquid shampoo. 555,159, Feb. 19; Serial No. 599,009. Class 52.

Petite Miss Co., New York, N. Y. Ladies' coats. 555,061, Feb. 19; Serial No. 608,435, published Dec. 4, 1951. Class 39.

Phenix Pabst-Ett Company, Chicago, Ill. Cheese product. 554,869, Feb. 19; Serial No. 539,078, published Nov. 13, 1951. Class 46.

Phillips Packing Company, Inc., Cambridge, Md. Canned vegetables, canned soups, canned spaghetti, etc. 555,074, Feb. 19; Serial No. 611,616, published Nov. 6, 1951. Class 46.

Pied Piper of Dallas, Dallas, Tex. Clothing. 555,042, Feb. 19; Serial No. 610,458, published Nov. 13, 1951. Class 39.

Pierce Shoe Manufacturing Company, doing business under the name Bambo Shoe Manufacturing Company, Blackshear, Ga. Shoes. 554,968, Feb. 19; Serial No. 595,911, published Oct. 16, 1951. Class 39.

Pinelli, Anthony R., Chicago, Ill. Blended salad oil. 554,951, Feb. 19; Serial No. 591,637, published Oct. 23, 1951. Class 46.

Plomb Tool Company, The, Los Angeles, Calif. Tools—namely, brake gauges, etc. 555,093, Feb. 19; Serial No. 614,160, published Oct. 30, 1951. Class 26.

Polis, Dennis, doing business as Polly Bros., New York, N. Y. Olive oil. 554,872, Feb. 19; Serial No. 544,608, published Nov. 27, 1951. Class 46.

Polly Bros.: *See*—
Polis, Dennis.

Portch, M., doing business as Sally Lynn Kitchen, Washington, D. C. Cakes and pies. 555,004–05, Feb. 19; Serial Nos. 602,216–17, published Nov. 6, 1951. Class 46.

Princess Peggy, Inc., Peoria, Ill. Ladies' and children's pajamas. 554,989, Feb. 19; Serial No. 597,906, published Apr. 17, 1951. Class 39.

Process Engineers, Incorporated, Los Angeles, Calif. Sewage and water treatment eulpment apparatus. 554,881, Feb. 19; Serial No. 554,814, published Oct. 16, 1951. Class 23.

Property Credit Corporation, New York and Jamaica, N. Y. Brokerage services. 555,129, Feb. 19; Serial No. 566,471, published Nov. 6, 1951. Class 102.

Puryear Sales Co., The, Clarinda, Iowa. Cake decorator sets. 554,920, Feb. 19; Serial No. 579,453, published Oct. 9, 1951. Class 23.

Rabbit Packers of California, Los Angeles, Calif. Meats. 555,149, Feb. 19; Serial No. 608,894, published Nov. 27, 1951. Class 46.

Rain Control Irrigation Company, Los Angeles, Calif. Pipe coupling. 555,094, Feb. 19; Serial No. 614,163, published Nov. 27, 1951. Class 13.

Rayflex Fabrics, Inc., New York, N. Y. Woven elastic fabrics. 555,100, Feb. 19; Serial No. 615,082, published Nov. 27, 1951. Class 42.

Raytheon Manufacturing Company, Newton, Mass. Popcorn. 554,866, Feb. 19; Serial No. 534,815, published Nov. 27, 1951. Class 46.

Realistic Company, The: *See*—
Realistic Permanent Wave Machine Co., The.

Realistic Permanent Wave Machine Co., The, Cleveland, to The Realistic Company, Cincinnati, Ohio. Hair waving and treating solutions and lotions, hair wash, etc. 293,386, renewed Apr. 19, 1952. O. G. Feb. 19. Class 51.

Red Comet, Incorporated, Littleton, Colo. Non-power operated fire extinguishers. 554,930, Feb. 19; Serial No. 585,459, published Jan. 16, 1951. Class 23.

Redlands Cooperative Fruit Association, Redlands, Calif. Fresh citrus fruits. 554,883, Feb. 19; Serial No. 555,016, published Nov. 6, 1951. Class 46.

Red Lodge Canning Company, Red Lodge, Mont. Canned fruits and canned vegetables. 555,001, Feb. 19; Serial No. 601,466, published Nov. 20, 1951. Class 46.

Reese, H. B., Candy Company, Hershey, Pa. Chocolates. 554,995, Feb. 19; Serial No. 598,959, published Oct. 16, 1951. Class 46.

Reinke, Floyd C.: *See*—
American Insulating Co.

Renwood Food Products, Inc., The, assignor to Chase Bag Company, St. Louis, Mo. Rags. 554,915, Feb. 19; Serial No. 577,453, published Feb. 27, 1951. Class 2.

Republic Molding Corporation, Chicago, Ill. Molded plastic housewares. 554,945, Feb. 19; Serial No. 588,832, published May 15, 1951. Class 2.

Rex Co., Inc., The, by The Rex Corporation, Cambridge, Mass. Plastic composition in the form of thread or rodding used as wound electrical insulation. 420,214, Apr. 2, 1946. Republished Feb. 19. Class 21.

Rex Corporation, The: *See*—
Rex Co., Inc., The.

Rice-Stix, Inc., St. Louis, Mo. Women's, misses', and children's outerwear garments. 555,040, Feb. 19; Serial No. 608,287, published Dec. 4, 1951. Class 39.

Richmond Manufacturing Company, Lockport, N. Y. Flexible conduits. 551,065, Nov. 20, 1951. Corrected. O. G. Feb. 19. Class 35.

River Valley Co., Inc., Syracuse, N. Y. Frozen foods. 555,034, Feb. 19; Serial No. 609,142, published Nov. 27, 1951. Class 46.

Rock Island Bridge & Iron Works: *See*—
Sawyer's Inc.

Rock Island Bridge and Tru-Vue Corporation: *See*—
Sawyer's Inc.

Rockwell Manufacturing Company, Pittsburgh, Pa. Plug valves, pressure regulating valves, flow controlling valves, etc. 555,054, Feb. 19; Serial No. 611,537, published Nov. 27, 1951. Class 13.

Rokeach, I., & Sons, by I. Rokeach & Sons, Inc., New York, N. Y. Soap. 82,261, June 13, 1911. Republished Feb. 19. Class 52.

Rokeach, I., & Sons, Inc.: *See*—
Rokeach, I., & Sons.

Rooke, B. G., Woodlake, to Independent Growers, Inc., Lindsay, Calif. Fresh citrus fruits. 293,342, renewed Apr. 19, 1952. O. G. Feb. 19. Class 46.

Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned sardines. 554,894, Feb. 19; Serial No. 567,043, published Apr. 3, 1951. Class 46.

St. Louis Cordage Mills: *See*—
American Manufacturing Company.

Sally Lynn Kitchen: *See*—
Portch, M.

Sapolin Paints Inc., New York, N. Y. Bronzing liquids of the paint type, vehicles for bronze powders of the paint type, etc. 555,154, Feb. 19; Serial No. 566,174. Class 16.

Sawyer's Inc., Portland, Oreg., assignee of Rock Island Bridge and Tru-Vue Corporation, formerly Rock Island Bridge & Iron Works. Stereoscopes and films. 554,880, Feb. 19; Serial No. 551,047, published Nov. 6, 1951. Class 26.

Scandinavian Airlines System, Inc., New York, N. Y. Airplane transportation of passengers, freight, and mail. 555,119, Feb. 19; Serial No. 538,124, published Sept. 19, 1950. Class 105.

Scandinavian Airlines System, Inc., New York, N. Y. Airplane transportation of passengers, freight, and mail. 555,120, Feb. 19; Serial No. 538,181, published Sept. 19, 1950. Class 105.

Schering Corporation, New York, N. Y., to Schering Corporation, Bloomfield, N. J. Genito-urinary antiseptic. 290,032, renewed Dec. 22, 1951. O. G. Feb. 19. Class 18.

Schmelerson, I., & Sons, Inc., New York, N. Y. Ladies' and children's princess slips, nightgowns, pajamas, bloomers, etc. 554,887, Feb. 19; Serial No. 558,929, published Dec. 4, 1951. Class 39.

Schmelerson, I., & Sons, Inc., New York, N. Y. Ladies' and children's princess slips, nightgowns, pajamas, bloomers, etc. 554,888, Feb. 19; Serial No. 558,932, published Dec. 4, 1951. Class 39.

Schmelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, step-ins, and nightgowns. 554,889, Feb. 19; Serial No. 558,939, published Dec. 4, 1951. Class 39.

School House Candy Co., Providence, R. I. Candies. 555,002, Feb. 19; Serial No. 601,469, published Nov. 13, 1951. Class 46.

Schratter, Alfred, doing business under the name of The Schratter Import Co., New York, N. Y. Cheese. 554,969, Feb. 19; Serial No. 595,917, published Apr. 3, 1951. Class 46.

Schratter Import Co., The: *See*—
Schratter, Alfred.

Schroeder Bros., Inc., New York, N. Y. Canned lobster and bonito. 554,974, Feb. 19; Serial No. 599,535, published Nov. 20, 1951. Class 46.

Scull, William S., Company, Camden, N. J. Blended coffee. 85,688, re-renewed Mar. 5, 1952. O. G. Feb. 19. Class 46.

Scull, William S., Company, Camden, N. J. Coffee and blended coffee. 85,832, re-renewed Mar. 19, 1952. O. G. Feb. 19. Class 46.

SeaPak Corporation, St. Simons Island, Ga. Frozen shrimp. 555,166, Feb. 19; Serial No. 610,638. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Platform and farm scales. 555,091, Feb. 19; Serial No. 614,107, published Oct. 30, 1951. Class 26.

Sedutto Company, The, New York, and Staten Island, N. Y. Ice cream and sherbets. 555,019, Feb. 19; Serial No. 605,687, published Dec. 4, 1951. Class 46.

Shakespeare Company, Kalamazoo, Mich. Minnow buckets. 555,117, Feb. 19; Serial No. 618,131, published Dec. 4, 1951. Class 22.

Shapleigh Hardware Company, St. Louis, Mo. Saws. 554,895, Feb. 19; Serial No. 567,927, published Sept. 25, 1951. Class 23.

Shlansky, Philip, & Sons, Inc., New York, N. Y. Ladies' and misses' coats, suits, jackets, and skirts. 554,970, Feb. 19; Serial No. 599,127, published Oct. 16, 1951. Class 39.

Shoe Corporation of America, Columbus, Ohio. Men's, women's, and children's shoes and boots. 555,033, Feb. 19; Serial No. 609,006, published Dec. 4, 1951. Class 39.

Shoreham Manufacturing Co., Inc., Winfield, N. Y. Toilet sets. 554,948, Feb. 19; Serial No. 590,036, published Dec. 4, 1951. Class 40.

Sicardi, Inc., Cincinnati, Ohio. Candies. 554,943–4, Feb. 19; Serials Nos. 588,774–5, published Nov. 6, 1951. Class 46.

Skyway Cruises: *See*—
Mule, Roy R.

Snedeker & Co., Inc., New York, N. Y. Elastic braids, tapes or bands and elastic cotton and ribbons, etc. 554,925, Feb. 19; Serial No. 581,689, published Sept. 4, 1951. Class 40.

Société à Responsibilité Limitée Cobra, Paris, France. Treating wood and wood products with chemicals to prolong the life thereof. 555,147, Feb. 19; Serial No. 609,885, published Nov. 27, 1951. Class 106.

Socony-Vacuum Oil Company, Incorporated: *See*—
Standard Oil Co. of New York.

Solvay Process Company, The, Syracuse, to Allied Chemical & Dye Corporation, New York, N. Y. Cleansing and scouring compound and a cleaning compound. 292,468, renewed Mar. 15, 1952. O. G. Feb. 19. Class 52.

Solvay Process Company, The, Syracuse, to Allied Chemical & Dye Corporation, New York, N. Y. Cleaning compound. 293,169, renewed Apr. 12, 1952. O. G. Feb. 19. Class 52.

Sommer & Kaufmann, San Francisco, Calif. Girls' low heeled leather shoes. 554,940, Feb. 19; Serial No. 588,113, published Dec. 4, 1951. Class 39.

Sommer & Kaufmann, San Francisco, Calif. Men's leather shoes. 554,941, Feb. 19; Serial No. 588,114, published Dec. 4, 1951. Class 39.

Sophie Mae Candy Corp., Irvington, N. J. Peanut brittle and toasted sugared peanuts. 554,983, Feb. 19; Serial No. 596,203, published Nov. 20, 1951. Class 46.

Southern Biscuit Company, Incorporated, Richmond, Va., assignor to Weston Biscuit Company, Inc. Cookies. 554,931, Feb. 19; Serial No. 585,608, published Nov. 13, 1951. Class 46.

Special Tobacco Co., Inc., Hillside, N. J., and New York, N. Y. Cigarettes. 554,950, Feb. 19; Serial No. 591,589, published Nov. 27, 1951. Class 17.

Spring Perch Co., Inc., Lackawanna, N. Y. Liners for insertion between vehicle spring leaves. 555,020, Feb. 19; Serial No. 605,690, published Nov. 20, 1951. Class 19.

Standard Oil Co. of New York, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Naphtha and gasolene. 83,100, re-renewed Aug. 15, 1951. O. G. Feb. 19. Class 15.

Standard Oil Company of New Jersey, Wilmington, Del., to Esso Standard Oil Company, New York, N. Y. Pipe coating enamel. 286,577, renewed Sept. 1, 1951. O. G. Feb. 19. Class 16.

Star Union Company, The, New York, N. Y. Pajamas. 554,875, Feb. 19; Serial No. 545,656, published Nov. 20, 1951. Class 39.

Steele, J. W., & Co., North Kansas City, Mo. Garment ironing accessory. 554,865, Feb. 19; Serial No. 533,077, published Nov. 27, 1951. Class 24.

Sturdee Steel Products Company: *See*—
Fowler, Roscoe.

Stylon Corporation, Boston, Mass. Bathroom accessories. 555,088, Feb. 19; Serial No. 613,742, published Dec. 4, 1951. Class 13.

Supreme Knitwear Co., St. Louis, Mo. Women's and misses' skirts. 555,068, Feb. 19; Serial No. 608,801, published Dec. 4, 1951. Class 39.

Swedish American Line and Swenska Amerika Linien: *See*—
Aktiebolaget Svenska Amerika Linien.

T & S Precision Products, East Detroit, Mich. Hair goods. 554,973, Feb. 19; Serial No. 599,398, published Dec. 4, 1951. Class 40.

T. S. Undergarment Corp., New York, N. Y. Ladies' slips, nightgowns, pajamas, etc. 555,083, Feb. 19; Serial No. 612,279, published Dec. 4, 1951. Class 39.

Tailored Woman, Inc., The, New York, N. Y. Hand bags. 555,014, Feb. 19; Serial No. 604,237, published Nov. 6, 1951. Class 3.

Taylor, Merritt I., Atlee, Va. Honey. 554,971, Feb. 19; Serial No. 599,199, published Nov. 27, 1951. Class 46.

Terminal Transport Company, Inc., Indianapolis, Ind. Moving and shipping by motor truck. 555,144, Feb. 19; Serial No. 608,684, published Nov. 13, 1951. Class 105.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 85,520, re-renewed Feb. 20, 1952. O. G. Feb. 19. Class 15.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y. to The Texas Company, New York, N. Y. Lubricating-oils. 85,694, re-renewed Mar. 5, 1952. O. G. Feb. 19. Class 15.

Time, Incorporated, New York, N. Y. Motion picture films, sound films, combined sound and motion picture films, etc. 555,096, Feb. 19; Serial No. 614,523, published Oct. 30, 1951. Class 26.

Titus Blatter & Co., New York, N. Y. Drapery and upholstery fabrics. 555,098, Feb. 19; Serial No. 614,999, published Nov. 27, 1951. Class 42.

Toastmasters International, Santa Ana, Calif. Training in leadership, in public speaking, and in criticism thereof. 555,137, Feb. 19; Serial No. 588,237, published Dec. 4, 1951. Class 107.

Tongue, R. E., & Bros. Co., Inc., Philadelphia, Pa. Fly ribbon, fly paper, fly tape, etc. 291,699, renewed Feb. 23, 1952. O. G. Feb. 19. Class 50.

Townclife, Inc., New York, N. Y. Ladies' and misses' coats, suits, jackets and outer skirts. 554,942, Feb. 19; Serial No. 588,117, published July 11, 1950. Class 39.

Traford Fabrics, Inc., New York, N. Y., now by change of name Travis Fabrics, Inc. Fabrics. 554,978, Feb. 19; Serial No. 599,991, published Nov. 27, 1951. Class 42.

Tranzform, Inc., Hoboken, N. J. Girdles, corsets, foundation garments. 555,084, Feb. 19; Serial No. 612,363, published Dec 4, 1951. Class 39.

Travis Fabrics, Inc.: *See*—
Traford Fabrics, Inc.

Tri-Ads Company: *See*—
Brawer, Sidney.

Tucker's, Mrs., Foods, Inc., Grayson, Tex. Salad oil. 555,095, Feb. 19; Serial No. 614,225, published Dec. 4, 1951. Class 46.

Turn-Over Foods, Inc., Evanston, Ill. Butter, oleomargarine, cheese, and ice cream. 555,051, Feb. 19; Serial No. 611,113, published Oct. 30, 1951. Class 46.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. 554,871, Feb. 19; Serial No. 543,545, published Nov. 27, 1951. Class 2.

Union Trading Company Ltd., Basel, Switzerland. Men's, women's, children's and infants' wearing apparel. 554,932, Feb. 19; Serial No. 586,373, published Nov. 20, 1951. Class 39.

Union Trading Company Ltd., Basel, Switzerland. Men's, women's, children's and infants' wearing apparel. 554,933, Feb. 19; Serial No. 586,380, published Nov. 20, 1951. Class 39.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 555,108–11, Feb. 19; Serial Nos. 616,345–8, published Nov. 27, 1951. Class 22.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 555,115–16, Feb. 19; Serial Nos. 617,777–8, published Dec. 4, 1951. Class 22.

United States Steel Company: *See*—
Carnegie-Illinois Steel Corporation.

United States Steel Corporation, New York, N. Y. Erection and razing of steel structures. 555,138, Feb. 19; Serial No. 588,249, published Nov. 6, 1951. Class 103.

United Steel Fabricators, Inc., Wooster, Ohio. Construction materials of the conduit type fabricated from sheet steel or steel plate. 554,924, Feb. 19; Serial No. 581,506, published Dec. 4, 1951. Class 13.

United Truck Lines, Incorporated, Spokane, Wash. Motor truck transportation. 555,124, Feb. 19; Serial No. 551,833, published Dec. 4, 1951. Clas 105.

Universal Manufacturing Corporation, assignor to Corman Leather Company, Inc., Chelsea, Mass. Men's boots and shoes, and boot and shoe findings. 554,873, Feb. 19; Serial No. 544,621, published Nov. 6, 1951. Class 39.

Universal Mills, Fort Worth, Tex. Feed for poultry and livestock. 554,902, Feb. 19; Serial No. 571,767, published Dec. 4, 1951. Class 46.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 551,625, Dec. 4, 1951. Amended. O. G. Feb. 19. Class 18.

Van Raalte Company, Inc., New York, N. Y. Women's hosiery. 554,967, Feb. 19; Serial No. 595,630, published Apr. 10, 1951. Class 39.

Varden Dress, Inc., New York, N. Y. Misses' petite dresses. 555,009, Feb. 19; Serial No. 603,093, published Dec. 4, 1951. Class 39.

Vimco Macaroni Products Company, Carnegie, Pa. Macaroni. 554,979, Feb. 19; Serial No. 600,237, published Nov. 27, 1951. Class 46.

Vitreous Steel Products Co., Cleveland, Ohio. Vitreous enameled metal shower bath cabinets and combination top and back splashers. 555,006, Feb. 19; Serial No. 602,236, published Nov. 27, 1951. Class 13.

Vrooman, George B., Inc., Philadelphia, Pa. Stuffed macaroni with sauce. 554,958, Feb. 19; Serial No. 593,095, published Nov. 6, 1951. Class 46.

Wapato Packing Company: *See*—
Hallauer, W. A.

Wapato Packing, Inc.: *See*—
Hallauer, W. A.

Warnecke, George W., & Company, Inc., New York and Jamaica, N. Y. Brokerage services. 555,128, Feb. 19; Serial No. 566,437, published Nov. 6, 1951. Class 102.

Warner Electric Brake Manufacturing Company, South Beloit, Ill. Electric cables, connectors, plugs, and sockets. 509,842, May 17, 1949. Corrected. O. G. Feb. 19. Class 21.

Weltz, S., & Co., Inc., Cleveland, Ohio. Women's, misses', boys', youths' and men's raincoats, topcoats and overcoats. 555,048–9, Feb. 19; Serial Nos. 610,938–9, published Nov. 20, 1951. Class 39.

Welch, W. M., Manufacturing Company, Chicago, Ill. Photosensitive light measuring or indicating instruments. 554,907, Feb. 19; Serial No. 573,391, published Nov. 6, 1951. Class 26.

Wellco Shoe Corporation, Waynesville and Hazelwood, N. C. Sponge rubbber soled men's, ladies', misses', children's and infants' shoes, sandals, and slippers. 554,908, Feb. 19; Serial No. 574,124, published Oct. 30, 1951. Class 39.

West Disinfecting Company, New York, to West Disinfecting Company, Long Island City, N. Y. Soap. 84,064, renewed Oct. 31, 1951. O. G. Feb. 19. Class 52.

West Foods, Inc., Salem, Oreg. Fresh mushrooms. 555,008, Feb. 19; Serial No. 602,529, published Dec. 4, 1951. Class 46.

Western Auto Stores: *See*—
Western Auto Supply Company.

Western Auto Supply Company, doing business as Western Auto Stores, Kansas City, Mo. Services rendered in connection with automobiles. 555,127, Feb. 19; Serial No. 562,234, published Nov. 27, 1951. Class 103.

Weston Biscuit Company Inc., assignee: *See*—
Southern Biscuit Company, Incorporated.

Whitehouse & Hardy, Inc., New York, N. Y. Men's shoes. 444,656, Feb. 19; Serial No. 500,504, published June 13, 1950. Class 39.

Wilbar's, Inc., Boston, Mass. Ladies' shoes. 554,923, Feb. 19; Serial No. 581,304, published Dec. 4, 1951. Class 39.

Wilks, Mackie & Company Ltd., Birmingham and Dorridge, Birmingham, England. Motor road vehicles and structural parts thereof. 555,081, Feb. 19; Serial No. 612,050, published Nov. 20, 1951. Class 19.

Williams, C. B., Mercedes, Tex., and Visalia, Calif. Fresh tomatoes, fresh citrus fruits, fresh grapes, etc. 554,938 Feb. 19; Serial No. 587,451, published Dec. 4, 1951. Class 46.

Williams, C. O., Graceville, Fla. Food products. 554,996, Feb. 19; Serial No. 598,973, published Oct. 30, 1951. Class 46.

Willys-Overland Motors, Inc., Toledo, Ohio. Automotive vehicles and structural parts thereof. 554,862, Feb. 19; Serial No. 482,513, published Nov. 27, 1951. Class 19.

Wilson Jones Company, Chicago, Ill. Portable envelope opening machines. 554,991, Feb. 19; Serial No. 598,229, published Sept. 18, 1951. Class 23.

Winter & Company, Inc., New York, N. Y. Pianos. 554,947, Feb. 19; Serial No. 589,754, published Nov. 27, 1951. Class 36.

Wohl, L., & Co.: *See*—
Goldberger, Leo J.

Wohl, L., & Company, Inc.: *See*—
Goldberger, Leo J.

Wollensak Optical Company: *See*—
Zeiss, Carl.

Wondercrop, Incorporated, New York, N. Y. Fresh deciduous fruits and vegetables. 554,886, Feb. 19; Serial No. 558,091, published Dec. 4, 1951. Class 46.

Wulff, Lee, Shushan, N. Y. Lacquer, varnish. 555,156, Feb. 19; Serial No. 578,183. Class 16.

Xint Spanish Food Co., to Xint Spanish Food Co., Los Angeles, Calif. Alimentary pastes, tomato paste, mushroom sauce, etc. 282,674, renewed Apr. 28, 1951. O. G. Feb. 19. Class 46.

Y & N Manufacturing Company, Inc., The, Wooster, Ohio. Portable fluid-tight sheet metal box. 554,906, Feb. 19; Serial No. 572,788, published Nov. 27, 1951. Class 2.

Zaninovich Bros., Inc., Orange Cove, Calif. Fresh grapes. 554,879, Feb. 19; Serial No. 550,979, published Dec. 4, 1951. Class 46.

Zeiss, Carl, Jena, Germany, to Wollensak Optical Company, Rochester, N. Y. Objective-lens systems. 85,306, renewed Feb. 6, 1952. O. G. Feb. 19. Class 26.

Zink, Erna, doing business as Crown's Cookies, Cakes and Candies, Demarest, N. J. Cookies. 554,953, Feb. 19; Serial No. 592,589, published Nov. 20, 1951. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Bags. The Renwood Food Products, Inc. 554,915, Feb. 19; Serial No. 577,453, published Feb. 27, 1951.

Bags, Cloth. Bemis Bro. Bag Company. 554,891, Feb. 19; Serial No. 562,306, published Nov. 27, 1951.

Bags, Empty. Joe Lowe Corporation. 555,086, Feb. 19; Serial No. 612,660, published Dec. 4, 1951.

Bags, Glassine. Mall-Well Specialty Bag Company. 555,155, Feb. 19; Serial No. 577,636.

Bags, Paper. The Consolidated Paper Bag Company. 554,905, Feb. 19; Serial No. 572,088, published Nov. 27, 1951.

Bags, Paper. Union Bag & Paper Corporation. 554,871, Feb. 19; Serial No. 543,545, published Nov. 27, 1951.

Bags, Textile and paper. The Farm Bureau Cooperative Association, Inc. 555,118, Feb. 19; Serial No. 618,259, published Dec. 4, 1951.

Bags, Transparent. The Denton Corporation. 554,911, Feb. 19; Serial No. 575,394, published Nov. 27, 1951.

Box, Portable fluid-tight sheet metal. The Y & N Manufacturing Company, Inc. 554,906, Feb. 19; Serial No. 572,788, published Nov. 27, 1951.

Cups, Molded paper pulp. American Lace Paper Company. 555,040, Feb. 19; Serial No. 610,158, published Nov. 27, 1951.

Dishes, Plastic. National Organ Supply Company. 555,041, Feb. 19; Serial No. 610,183, published Nov. 27, 1951.

Molded plastic housewares. Republic Molding Corporation. 554,945, Feb. 19; Serial No. 588,832, published May 15, 1951.

Tanks, Storage. "Automatic" Sprinkler Corporation of America. 555,070, Feb. 19; Serial No. 608,857, published Nov. 27, 1951.

Vaults, Burial. Wilbert W. Haase Co. 502,902, Oct. 12, 1948. Corrected. O. G. Feb. 19.

Vessels, Vacuum, thermostatic, and heat-insulated. The American Thermos Bottle Company. 554,937, Feb. 19; Serial No. 587,230, published Nov. 27, 1951.

CLASS 3

Hand bags. The Tailored Woman, Inc. 555,014, Feb. 19; Serial No. 604,237, published Nov. 6, 1951.

CLASS 7

Rope, cord and twine. American Manufacturing Company. 554,934, Feb. 19; Serial No. 586,614, published Dec. 4, 1951.

Rope, Wire. A. Leschen & Sons Rope Company. 555,022, Feb. 19; Serial No. 606,153, published Dec. 4, 1951.

CLASS 12

Awnings, Metal. Childers Manufacturing Co. 555,165, Feb. 19; Serial No. 606,588.

Pocket-forming elements of pasteboard or other fibrous material for lining and insulating building walls. American Insulating Co. 269,206, renewed Apr. 1, 1950. O. G. Feb. 19.

Shingles, Asphalt. Bird & Son, Inc. 555,163, Feb. 19; Serial No. 602,885.

Steel flooring. Carnegie-Illinois Steel Corporation. 555,158, Feb. 19; Serial No. 592,250.

Window screens in knocked-down and assembled form. Borg-Warner Corporation. 555,160, Feb. 19; Serial No. 599,811.

CLASS 13

Aluminum drinking tumblers. Norben, Inc. 554,988, Feb. 19; Serial No. 597,897, published Nov. 27, 1951.

Bathroom accessories. Stylon Corporation. 555,088, Feb. 19; Serial No. 613,742, published Dec. 4, 1951.

Bolts. Henry Lindsay, Limited. 554,962, Feb. 19; Serial No. 594,510, published Dec. 4, 1951.

Builders' hardware. General Steel Warehouse Co., Inc. 555,090, Feb. 19; Serial No. 613,986, published Nov. 27, 1951.

Cement lined cast iron pipe. Lone Star Steel Company. 555,089, Feb. 19; Serial No. 613,926, published Nov. 27, 1951.

Construction materials of the conduit type fabricated from sheet steel or steel plate. United Steel Fabricators, Inc. 554,924, Feb. 19; Serial No. 581,506, published Dec. 4, 1951.

Expansion-bolts, screws, and expansion-shields. Henry B. Newhall. 37,630, re-renewed Jan. 7, 1952. O. G. Feb. 19.

Kitchen cabinet hardware. Akron Hardware Mfg. Corp. 554,984, Feb. 19; Serial No. 597,373, published Dec. 4, 1951.

Mounting hardware, Jam-type. Roscoe Fowler. 555,044, Feb. 19; Serial No. 610,677, published Dec. 4, 1951.

Nuts and washers, Preassembled. Illinois Tool Works. 555,017, Feb. 19; Serial No. 605,420, published Nov. 27, 1951.

Pipe coupling. Rain Control Irrigation Company. 555,094, Feb. 19; Serial No. 614,163, published Nov. 27, 1951.

Screens. Chamberlin Metal Weather Strip Company. 291,591, renewed Feb. 23, 1952. O. G. Feb. 19.

Sprayhead attachments. H. D. Hudson Manufacturing Company. 555,000, Feb. 19; Serial No. 601,046, published Dec. 4, 1951.

Threaded bushings. Oil Equipment Manufacturing Corporation. 554,899, Feb. 19; Serial No. 570,714, published Dec. 4, 1951.

Tire chains. Lloyd Chain Manufacturing Co. 554,916, Feb. 19; Serial No. 577,675, published Dec. 4, 1951.

Valves, Plug, pressure regulating valves, flow controlling valves, etc. Rockwell Manufacturing Company. 555,054, Feb. 19; Serial No. 611,537, published Nov. 27, 1951.

Vitreous enameled metal shower bath cabinets and combination top and back splashers. Vitreous Steel Products Co. 555,006, Feb. 19; Serial No. 602,236, published Nov. 27, 1951.

CLASS 15

Lubricating-oils. The Texas Company. 85,520, re-renewed Feb. 20, 1952. O. G. Feb. 19.

Lubricating-oils. The Texas Company. 85,694, re-renewed Mar. 5, 1952. O. G. Feb. 19.

Naphtha and gasolene. Standard Oil Co. of New York. 83,100, re-renewed Aug. 15, 1951. O. G. Feb. 19.

CLASS 16

Bronzing liquids of the paint type, vehicles for bronze powders of the paint type, etc. Sapolin Paints Inc. 555,154, Feb. 19; Serial No. 566,174.

Enamel, Pipe coating. Standard Oil Company of New Jersey. 286,577, renewed Sept. 1, 1951. O. G. Feb. 19.

Lacquer, varnish. L. Wulff. 555,156, Feb. 19; Serial No. 578,183.

Paints, Dry and ready-mixed, and paint enamels. The Paraffine Companies, Inc. 291,006, renewed Jan. 26, 1952. O. G. Feb. 19.

Waterproof finishes in the nature of and applied like lacquers and varnishes. Berry Brothers, Inc. 555,152, Feb. 19; Serial No. 557,995.

CLASS 17

Cigarettes. Philip Morris & Co. Ltd., Incorporated. 555,064, Feb. 19; Serial No. 608,465, published Nov. 27, 1951.

Cigarettes. Special Tobacco Co., Inc. 554,950, Feb. 19; Serial No. 591,589, published Nov. 27, 1951.

Cigars. Cortez Cigar Co. 554,977, Feb. 19; Serial No. 599,862, published Nov. 27, 1951.

Cigars. The Federal Cigar Company, Inc. 555,052, Feb. 19; Serial No. 611,348, published Nov. 27, 1951.

Cigars. General Cigar Co., Inc. 290,160, renewed Dec. 22, 1951. O. G. Feb. 19.

Tobacco flavoring ingredient. N. Fleischner. 555,050, Feb. 19; Serial No. 610,959, published Nov. 27, 1951.

CLASS 18

Antiseptic. Lambert Pharmacal Company. 85,150, re-renewed Jan. 30, 1952. O. G. Feb. 19.

Genito-urinary antiseptic. Schering Corporation. 290,032, renewed Dec. 22, 1951. O. G. Feb. 19.

Medicinal and pharmaceutical preparations. Gift-Pax. 555,162, Feb. 19; Serial No. 602,076.

Medicinal preparation. The Upjohn Company. 551,625, Dec. 4, 1951. Amended. O. G. Feb. 19.

Mentholated-creosoted preparation. Owen Drug Co. 550,990, Nov. 20, 1951. Corrected. O. G. Feb. 19.

Salve. The Griswold Salve Corporation. 83,065, re-renewed Aug. 15, 1951. O. G. Feb. 19.

CLASS 19

Automobile seat covers. D. C. Larkin. 554,954–5, Feb. 19; Serial Nos. 592,712–13, published Nov. 20, 1951.

Automotive vehicles and structural parts thereof. Willys-Overland Motors, Inc. 554,862, Feb. 19; Serial No. 482,513, published Nov. 27, 1951.

Bicycles and parts thereof, Motor-driven. Ateliers de la Motobecane. 555,003, Feb. 19; Serial No. 601,658, published Nov. 20, 1951.

Liners for insertion between vehicle spring leaves. Spring Perch Co., Inc. 555,020, Feb. 19; Serial No. 605,690, published Nov. 20, 1951.

Motor road vehicles and structural parts thereof. Wilks, Mackie & Company Ltd. 555,081, Feb. 19; Serial No. 612,050, published Nov. 20, 1951.

Trailers for automobiles, House. Palace Corporation. 554,867, Feb. 19; Serial No. 535,991, published Sept. 12, 1950.

Vehicle wheels and truck caster wheels. American Brake Shoe Company. 554,912, Feb. 19; Serial No. 576,386, published Nov. 20, 1951.

CLASS 21

Cables, connectors, plugs, and sockets, Electric. Warner Electric Brake Manufacturing Company. 509,842, May 17, 1949. Corrected. O. G. Feb. 19.

Electrical wire and cable, Insulated. Anaconda Wire & Cable Company. 293,011, renewed Apr. 5, 1952. O. G. Feb. 19.

Plastic composition in the form of thread or rodding used as wound electrical insulation. The Rex Co., Inc. 420,214, Apr. 2, 1946. Republished Feb. 19.

CLASS 22

Artificial fish lures. J. Fujita. 555,018, Feb. 19; Serial No. 605,653, published Nov. 27, 1951.

Game. R. E. Huffman. 555,112, Feb. 19; Serial No. 616,670, published Nov. 27, 1951.

Minnow buckets. Mit-Shel Company. 554,976, Feb. 19; Serial No. 599,643, published Dec. 4, 1951.

Minnow buckets. Shakespeare Company. 555,117, Feb. 19; Serial No. 618,131, published Dec. 4, 1951.

Playing cards. The United States Playing Card Company. 555,108–11, Feb. 19; Serial Nos. 616,345–8, published Nov. 27, 1951.

Playing cards. The United States Playing Card Company. 555,115–16, Feb. 19; Serial Nos. 617,777–8, published Dec. 4, 1951.

Skates, Ice, and skate outfits. Nestor Johnson Manufacturing Company. 289,970, renewed Dec. 15, 1951. O. G. Feb. 19.

Toy building blocks. Invention Sales Company. 555,055, Feb. 19; Serial No. 607,592, published Nov. 27, 1951.

Toy hair washing and waving kits. E. L. Ach. 555,114, Feb. 19; Serial No. 617,574, published Dec. 4, 1951.

Tricycle, Child's. C. W. O'Neil. 555,015, Feb. 19; Serial No. 604,702, published Nov. 27, 1951.

CLASS 23

Auxiliary transmission and mechanisms for motor vehicles. Cook Bros. Equipment Co. 554,919, Feb. 19; Serial No. 579,267, published Sept. 25, 1951.

Cake decorator sets. The Puryear Sales Co. 554,920, Feb. 19; Serial No. 579,453, published Oct. 9, 1951.

Camshafts and crankshafts, Finished, Morco, Inc. 555,063, Feb. 19; Serial No. 608,463, published Oct. 30, 1951.

Combined automatic samplers and transferring devices in the nature of a machine. Geary-Jennings. 554,960, Feb. 19; Serial No. 594,115, published Sept. 25, 1951.

Crowbars, pinch bars, wrecking bars, etc. The Lehon Company. 444,659, Feb. 19; Serial No. 520,734, published Sept. 18, 1951.

Cultivators, Rotary. Farm Tools, Inc. 554,877, Feb. 19; Serial No. 550,399, published Sept. 25, 1951.

Endless belt conveyors and gear speed reducers. Hydro-Controls Company. 555,082, Feb. 19; Serial No. 612,076, published Nov. 13, 1951.

Envelope opening machines, Portable. Wilson Jones Company. 554,991, Feb. 19; Serial No. 598,229, published Sept. 18, 1951.

Fire extinguishers, Non-power operated. Red Comet, Incorporated. 554,930, Feb. 19; Serial No. 585,459, published Jan. 16, 1951.

Internal combustion engines. Hudson Motor Car Company. 555,021, Feb. 19; Serial No. 606,077, published Sept. 25, 1951.

Knives, Pocket. Kroll Trading Co. 555,026, Feb. 19; Serial No. 606,476, published Sept. 25, 1951.

Post and pole creosoting or wood preserving machines and post peeling machines. Efurd Machine & Welding Company, Inc. 554,882, Feb. 19; Serial No. 554,962, published Nov. 13, 1951.

Pumps, Centrifugal. Goulds Pumps, Inc. 554,946, Feb. 19; Serial No. 589,084, published Oct. 9, 1951.

Saws. Shapleigh Hardware Company. 554,895, Feb. 19; Serial No. 567,927, published Sept. 25, 1951.

Sewage and water treatment equipment apparatus. Process Engineers, Incorporated. 554,881, Feb. 19; Serial No. 554,814, published Oct. 16, 1951.

Starter mechanism for outboard motor. National Pressure Cooker Company. 554,884, Feb. 19; Serial No. 555,615, published Oct. 30, 1951.

CLASS 24

Ironing accessory, Garment. J. W. Steele & Co. 554,865, Feb. 19; Serial No. 533,077, published Nov. 27, 1951.

Wash-boards. National Washboard Company. 288,590, renewed Nov. 3, 1951. O. G. Feb. 19.

CLASS 26

Cameras. The Bennett Corporation. 555,092, Feb. 19; Serial No. 614,185, published Dec. 4, 1951.

Cameras. Ercona Camera Corporation. 554,952, Feb. 19; Serial No. 591,843, published Nov. 6, 1951.

Cameras. Ercona Camera Corporation. 555,103, Feb. 19; Serial No. 615,445, published Nov. 6, 1951.

Computing machines. Clary Multiplier Corporation. 555,113, Feb. 19; Serial No. 616,817, published Nov. 6, 1951.

Measuring tapes. Keuffel & Esser Company. 549,049, Oct. 2, 1951. Corrected. O. G. Feb. 19.

Motion picture films, sound films, combined sound and motion picture films, etc. Time, Incorporated. 555,096, Feb. 19; Serial No. 614,523, published Oct. 30, 1951.

Objective-lens systems. C. Zeiss. 85,306, re-renewed Feb. 6, 1952. O. G. Feb. 19.

Patterns, Paper dress. The Conde Nast Publications, Inc. 555,106, Feb. 19; Serial No. 615,972, published Nov. 6, 1951.

Photographic lenses. Burleigh Brooks Co. 553,222, Jan. 8, 1952. Corrected. O. G. Feb. 19.

Photographic lenses. Ercona Camera Corporation. 555,104, Feb. 19; Serial No. 615,446, published Nov. 6, 1951.

Photosensitive light measuring or indicating instruments. W. M. Welch Manufacturing Company. 554,907, Feb. 19; Serial No. 573,391, published Nov. 6, 1951.

Scales, Platform and farm. Sears, Roebuck and Co. 555,091, Feb. 19; Serial No. 614,107, published Oct. 30, 1951.

Slide transparencies of stereoscopic pictures. S. Brawer. 554,913, Feb. 19; Serial No. 576,741, published Nov. 6, 1951.

Stereoscopes and films. Sawyer's Inc. 554,880, Feb. 19; Serial No. 551,047, published Nov. 6, 1951.

Switching apparatus. Kay Electric Company. 555,012, Feb. 19; Serial No. 603,688, published Nov. 6, 1951.

Tools—namely, brake gauges, etc. The Plomb Tool Company. 555,093, Feb. 19; Serial No. 614,160, published Oct. 30, 1951.

CLASS 28

Rings, Finger. M. Kronstade. 280,608, renewed Feb. 24, 1951. O. G. Feb. 19.
Rings, Finger, jewelled pins, earrings, etc. Ciro Pearls Limited. 327,696, Sept. 3, 1935. Republished Feb. 19.

CLASS 32

Mattresses. Jordan Marsh Company. 293,360, renewed Apr. 19, 1952. O. G. Feb. 19.

CLASS 34

Oil burners and parts therefor. Delta Heating Corporation. 554,863, Feb. 19; Serial No. 510,940, published Oct. 25, 1949.

CLASS 35

Flexible conduits. Richmond Manufacturing Company. 551,065, Nov. 20, 1951. Corrected. O. G. Feb. 19.

CLASS 36

Needles for talking machines and sound reproduction instruments. Gebr. Laubscher & Co. Aktiengesellschaft. 554,903, Feb. 19; Serial No. 571,812, published Nov. 27, 1951.
Pianos. Winter & Company, Inc. 554,947, Feb. 19; Serial No. 589,754, published Nov. 27, 1951.

CLASS 38

Periodicals. The Bruce Publishing Company. 274,533, Sept. 2, 1930. Republished Feb. 19.
Publications, Periodical. Kennedy Sinclaire, Inc. 550,886, Nov. 13, 1951. Corrected. O. G. Feb. 19.

CLASS 39

Blouses, Children's. Glenwear, Inc. 555,029, Feb. 19; Serial No. 607,015, published Nov. 6, 1951.
Boots and shoes, and boot and shoe findings, Men's. Universal Manufacturing Corporation. 554,873, Feb. 19; Serial No. 544,621, published Nov. 6, 1951.
Boots, Men's, women's and children's. Acme Boot Mfg. Co., Inc. 555,056, Feb. 19; Serial No. 607,653, published Nov. 13, 1951.
Brassières. Hollywood-Maxwell Company. 555,047, Feb. 19; Serial No. 610,904, published Dec. 4, 1951.
Brassières and corsets. Blair Corset Company, Inc. 383,733, Dec. 24, 1940. Republished Feb. 19.
Brassières and slips. Delightform Foundations, Inc. 554,987, Feb. 19; Serial No. 597,819, published Mar. 20, 1951.
Chemises, princess slips, bloomers, step-ins, and nightgowns, Ladies'. I. Schneierson & Sons, Inc. 554,889, Feb. 19; Serial No. 558,939, published Dec. 4, 1951.
Clothing. Pied Piper of Dallas. 555,042, Feb. 19; Serial No. 610,458, published Nov. 13, 1951.
Clothing, Women's, men's, young men's and students'. Concord Clothes, Inc. 554,956, Feb. 19; Serial No. 595,452, published Dec. 4, 1951.
Coats and jackets, Ladies' fur lined and fur trimmed. Major Fashions, Inc. 554,992, Feb. 19; Serial No. 598,485, published Dec. 4, 1951.
Coats and suits, Ladies'. Bass, Levine & Bass, Inc. 555,045, Feb. 19; Serial No. 610,731, published Dec. 4, 1951.
Coats and suits, Ladies', misses', and children's. Brand and Puritz. 554,874, Feb. 19; Serial No. 545,226, published Nov. 6, 1951.
Coats, Ladies'. Petite Miss Co. 555,061, Feb. 19; Serial No. 608,435, published Dec. 4, 1951.
Coats, Ladies' and misses'. Morris Metzger & Sons, Inc. 555,066, Feb. 19; Serial No. 608,711, published Dec. 4, 1951.
Coats, Sport. Mavest Inc. 554,959, Feb. 19; Serial No. 593,360, published Nov. 13, 1951.
Coats, suits, jackets and outer skirts, Ladies' and misses'. Townclife, Inc. 554,942, Feb. 19; Serial No. 588,117, published July 11, 1950.
Coats, suits, jackets, and skirts, Ladies' and misses'. Philip Shlansky & Sons, Inc. 554,970, Feb. 19; Serial No. 599,127, published Oct. 16, 1951.
Collars. Miller Pants, Inc. 554,914, Feb. 19; Serial No. 577,441, published Dec. 4, 1951.
Dresses, blouses, and skirts, Ladies'. Michael Barrie, Inc. 555,027, Feb. 19; Serial No. 606,692, published Dec. 4, 1951.
Dresses, Children's and misses'. I. J. Goldberger. 293,135, renewed Apr. 12, 1952. O. G. Feb. 19.
Dresses, coats, suits, etc., Misses'. Herbert Miller, Inc. 555,046, Feb. 19; Serial No. 610,754, published Nov. 20, 1951.
Dresses, Misses' petite. Varden Dress, Inc. 555,009, Feb. 19; Serial No. 603,093, published Dec. 4, 1951.
Footwear. Langerman Shoe Co. 554,900, Feb. 19; Serial No. 570,970, published Oct. 16, 1951.
Footwear, Rubber. La Crosse Rubber Mills Company. 554,993–4, Feb. 19; Serial Nos. 598,799–800, published Nov. 13, 1951.
Girdles. I. B. Kleinert Rubber Company. 554,964, Feb. 19; Serial No. 595,216, published Dec. 4, 1951.
Girdles, corsets, foundation garments. Tranzform, Inc. 555,084, Feb. 19; Serial No. 612,363, published Dec. 4, 1951.
Gloves and mittens, Knitted. A. C. Ackerman. 555,030, Feb. 19; Serial No. 607,152, published Nov. 6, 1951.
Hosiery. Miles Shoes Incorporated. 554,885, Feb. 19; Serial No. 555,949, published Oct. 16, 1951.
Hosiery, Infants' and children's. Ideal Hosiery Mills. 555,043, Feb. 19; Serial No. 610,561, published Nov. 13, 1951.
Hosiery, Women's. Van Raalte Company, Inc. 554,967, Feb. 19; Serial No. 595,630, published Apr. 10, 1951.
Outerwear garments, Women's, misses', and children's. Rice-Stix, Inc. 555,060, Feb. 19; Serial No. 608,287, published Dec. 4, 1951.
Pajamas. The Star Union Company. 554,875, Feb. 19; Serial No. 545,656, published Nov. 20, 1951.
Pajamas, Ladies' and children's. Princess Peggy, Inc. 554,989, Feb. 19; Serial No. 597,906, published Apr. 17, 1951.
Princess slips, nightgowns, pajamas, bloomers, etc., Ladies' and children's. I. Schneierson & Sons, Inc. 554,887, Feb. 19; Serial No. 558,929, published Dec. 4, 1951.
Princess slips, nightgowns, pajamas, bloomers, etc., Ladies' and children's. I. Schneierson & Sons, Inc. 554,888, Feb. 19; Serial No. 558,932, published Dec. 4, 1951.
Raincoats, topcoats and overcoats, Women's, misses', boys', youths' and men's. S. Weitz & Co., Inc. 555,048–9, Feb. 19; Serial Nos. 610,938–9, published Nov. 20, 1951.
Sandals. Bernardo Sandals, Inc. 555,058, Feb. 19; Serial No. 608,127, published Dec. 4, 1951.
Shoes. J. H. Everston. 554,890, Feb. 19; Serial No. 561,190, published Nov. 13, 1951.
Shoes. Johnson, Stephens and Shinkle Shoe Company. 554,990, Feb. 19; Serial No. 598,019, published Oct. 16, 1951.
Shoes. Miller-Jones Company. 554,910, Feb. 19; Serial No. 575,363, published Nov. 13, 1951.
Shoes. Northeast Shoe Co., Inc. 555,071, Feb. 19; Serial No. 608,891, published Dec. 4, 1951.
Shoes. Pierce Shoe Manufacturing Company. 554,968, Feb. 19; Serial No. 595,911, published Oct. 16, 1951.
Shoes and boots, Men's, women's, and children's. Shoe Corporation of America. 555,033, Feb. 19; Serial No. 609,006, published Dec. 4, 1951.
Shoes and slippers. The Juvenile Shoe Corporation of America. 555,024, Feb. 19; Serial No. 606,302, published Dec. 4, 1951.
Shoes and slippers, Women's. Gustinettes Incorporated. 554,939, Feb. 19; Serial No. 588,026, published Oct. 10, 1950.
Shoes, Boys'. Craddock-Terry Shoe Corporation. 555,076, Feb. 19; Serial No. 611,766, published Dec. 4, 1951.
Shoes, Girls' low heeled leather. Sommer & Kaufmann. 554,940, Feb. 19; Serial No. 588,113, published Dec. 4, 1951.
Shoes, Infants' and children's. Kessler Shoe Manufacturing Company. 555,028, Feb. 19; Serial No. 606,783, published Nov. 13, 1951.
Shoes, Ladies'. Factory Outlet Shoe Store, Inc. 555,023, Feb. 19; Serial No. 606,285, published Nov. 6, 1951.
Shoes, Ladies'. Wilbar's, Inc. 554,923, Feb. 19; Serial No. 581,304, published Dec. 4, 1951.
Shoes, Ladies' and misses'. Cannon Shoe Company. 555,036, Feb. 19; Serial No. 609,629, published Nov. 13, 1951.
Shoes, Leather work. Bone Dry Shoe Mfg. Co. 555,013, Feb. 19; Serial No. 603,833, published July 31, 1951.
Shoes, Men's. Craddock-Terry Shoe Corporation. 555,077, Feb. 19; Serial No. 611,767, published Dec. 4, 1951.
Shoes, Men's. Whitehouse & Hardy, Inc. 444,656, Feb. 19; Serial No. 500,504, published June 13, 1950.
Shoes, Men's and boys'. H. H. Brown Shoe Co., Inc. 554,927, Feb. 19; Serial No. 582,941, published Oct. 16, 1951.
Shoes, Men's and women's. The Cambridge Rubber Company. 554,972, Feb. 19; Serial No. 559,366, published Dec. 4, 1951.
Shoes, Men's leather. Sommer & Kaufmann. 554,941, Feb. 19; Serial No. 588,114, published Dec. 4, 1951.
Shoes, Misses', girls', boys', and children's. The A. S. Kreider Co. 554,918, Feb. 19; Serial No. 578,981, published Oct. 16, 1951.
Shoes, Misses', girls', boys', men's, women's and children's. The A. S. Kreider Co. 554,921, Feb. 19; Serial No. 579,983, published Oct. 16, 1951.
Shoes, Rubber-soled canvas. Converse Rubber Corporation. 555,072, Feb. 19; Serial No. 608,922, published Nov. 13, 1951.
Shoes, sandals, and slippers, Sponge rubber soled men's, ladies', misses', children's and infants'. Wellco Shoe Corporation. 554,908, Feb. 19; Serial No. 574,124, published Oct. 30, 1951.
Shoes, Women's. The Florsheim Shoe Company. 555,067, Feb. 19; Serial No. 608,792, published Nov. 27, 1951.
Shoes, Women's. Lucky Stride Shoes, Inc. 555,059, Feb. 19; Serial No. 608,254, published Nov. 13, 1951.
Shoes, Women's and children's. Broitman-Gaffin Shoes, Inc. 555,032, Feb. 19; Serial No. 607,574, published Nov. 13, 1951.
Shoes, Women's and misses'. Daytimer Shoe Company. 555,062, Feb. 19; Serial No. 608,450, published Nov. 13, 1951.

Shoes, Women's and misses'. The Walker T. Dickerson Company. 555,075, Feb. 19; Serial No. 611,693, published Dec. 4, 1951.
Ski suits, ski pants, ski blouses, etc., Ladies', men's, and children's. Marjorie Benedikter Sports-Wear, Inc. 554,986, Feb. 19; Serial No. 597,732, published Nov. 13, 1951.
Skirts, Women's and misses'. Supreme Knitwear Co. 555,068, Feb. 19; Serial No. 608,801, published Dec. 4, 1951.
Slippers, Men's and Women's. Glaser Shoe Company. 554,917, Feb. 19; Serial No. 578,788, published Dec. 4, 1951.
Slips for girls. Her Majesty Underwear Company. 555,038, Feb. 19; Serial No. 609,975, published Dec. 4, 1951.
Slips, nightgowns, pajamas, etc., Ladies'. T. S. Undergarment Corp. 555,083, Feb. 19; Serial No. 612,279, published Dec. 4, 1951.
Soles for shoes, and shoes. The Cambridge Rubber Company. 555,031, Feb. 19; Serial No. 607,160, published Oct. 23, 1951.
Stockings, dresses, etc., Women's, misses' and children's. Kresge Department Store Corporation. 293,176, renewed Apr. 12, 1952. O. G. Feb. 19.
Suits and sweaters, Ladies' knitted. Lass O'Scotland Ltd. 555,025, Feb. 19; Serial No. 606,305, published Dec. 4, 1951.
Suits, cloaks and coats, Ladies'. H. Behr. 554,926, Feb. 19; Serial No. 582,159, published Oct. 16, 1951.
Suits, coats, vests, etc., Men's. Dover Lane Clothes, Inc. 554,897, Feb. 19; Serial No. 569,511, published Nov. 13, 1951.
Suits, Women's. Handmacher-Vogel, Inc. 554,949, Feb. 19; Serial No. 591,365, published Dec. 4, 1951.
Trousers, slacks, top coats, sport jackets, etc. Belmont Clothes, Inc. 554,898, Feb. 19; Serial No. 570,687, published Mar. 14, 1950.
Underwear. Mandel & Cohen. 293,041, renewed Apr. 5, 1952. O. G. Feb. 19.
Wearing apparel, Men's, women's, children's and infants'. Union Trading Company Ltd. 554,932, Feb. 19; Serial No. 586,373, published Nov. 20, 1951.
Wearing apparel, Men's, women's, children's and infants'. Union Trading Company Ltd. 554,933, Feb. 19; Serial No. 586,380, published Nov. 20, 1951.

CLASS 40

Bias binding, dress belting, novelty trimming, etc. Elisen & Company, Inc. 554,929, Feb. 19; Serial No. 584,756, published July 3, 1951.
Braids, shoe and belt buckles, buttons, etc. The Emporium Capwell Company. 554,936, Feb. 19; Serial No. 586,744, published Dec. 4, 1951.
Combs. Foster Grant Co., Inc. 554,982, Feb. 19; Serial No. 600,956, published Dec. 4, 1951.
Elastic braids, tapes or bands and elastic cotton and ribbons, etc. Snedeker & Co., Inc. 554,925, Feb. 19; Serial No. 581,689, published Sept. 4, 1951.
Hair goods. T & S Precision Products. 554,973, Feb. 19; Serial No. 599,398, published Dec. 4, 1951.
Rings, Finger, jewelled pins, ear-rings, etc. Ciro Pearls Limited. 327,696, Sept. 3, 1935. Republished Feb. 19.
Toilet sets. Shoreham Manufacturing Co., Inc. 554,948, Feb. 19; Serial No. 590,036, published Dec. 4, 1951.

CLASS 42

Fabrics. Traford Fabrics, Inc. 554,978, Feb. 19; Serial No. 599,991, published Nov. 27, 1951.
Fabrics, Drapery and upholstery. Titus Blatter & Co. 555,098, Feb. 19; Serial No. 614,999, published Nov. 27, 1951.
Fabrics in the piece. Crompton Company. 444,657, Feb. 19; Serial No. 501,313, published Nov. 27, 1951.
Fabrics in the piece, Linen. Dicksons & Co. (Dungannon) Ltd. 554,892, Feb. 19; Serial No. 565,995, published Nov. 27, 1951.
Fabrics, Textile, outerwear fabrics and suitings. Brand & Oppenheimer, Incorporated. 554,904, Feb. 19; Serial No. 571,843, published Nov. 27, 1951.
Fabrics, Woven elastic. Rayflex Fabrics, Inc. 555,100, Feb. 19; Serial No. 615,082, published Nov. 27, 1951.
Handkerchiefs, broad-cloth, cotton, silk piece goods, etc. Kresge Department Store Corporation. 293,111, renewed Apr. 12, 1952. O. G. Feb. 19.
Linens. Léron, Inc. 555,101–2, Feb. 19; Serial Nos. 615,125–6, published Nov. 27, 1951.
Piece goods. Bianchini, Férier. 290,953, renewed Jan. 19, 1952. O. G. Feb 19.
Piece goods, Rayon. Pacific Mills. 555,099, Feb. 19; Serial No. 615,079, published Nov. 27, 1951.
Piece goods, Textile. Deering, Milliken & Co., Inc. 554,975, Feb. 19; Serial No. 599,618, published Nov. 27, 1951.
Sheets and pillow cases. Dan River Mills, Incorporated. 555,097, Feb. 19; Serial No. 614,756, published Nov. 27, 1951.

CLASS 43

Thread. J. E. Barbour. 84,807–8, re-renewed Jan. 9, 1952. O. G. Feb. 19.
Yarn, Knitting, and thread. S. Herman. 554,963, Feb. 19; Serial No. 595,138, published Dec. 4, 1951.
Yarns. E. I. du Pont de Nemours and Company. 555,085, Feb. 19; Serial No. 612,450, published Dec. 4, 1951.

CLASS 44

Abdominal belts, Men's. Blair Corset Company, Inc. 333,891, Apr. 14, 1936. Republished Feb. 19.

CLASS 46

Alfalfa meal, Enriched dehydrated. National Alfalfa Dehydrating & Milling Company. 554,935, Feb. 19; Serial No. 586,645, published Nov. 6, 1951.
Alimentary pastes, tomato paste, mushroom sauce, etc. Xint Spanish Food Co. 282,674, renewed Apr. 28, 1951. O. G. Feb. 19.
Bone meal. Duche & Knight Limited. 555,065, Feb. 19; Serial No. 608,593, published Nov. 27, 1951.
Bread mix. Beatrice Foods Co. 554,980, Feb. 19; Serial No. 600,251, published Oct. 30, 1951.
Butter, oleomargarine, cheese, and ice cream. Turn Over Foods, Inc. 555,051, Feb. 19; Serial No. 611,113, published Oct. 30, 1951.
Cakes and pies. M. Portch. 555,004–5, Feb. 19; Serial Nos. 602,216–17, published Nov. 6, 1951.
Candies. Farley Manufacturing Company. 554,909, Feb. 19; Serial No. 574,223, published Oct. 30, 1951.
Candies, School House Candy Co. 555,002, Feb. 19; Serial No. 601,469, published Nov. 13, 1951.
Candies, Sicardi, Inc. 554,943–4, Feb. 19; Serial Nos. 588,774–5, published Nov. 6, 1951.
Candies, Chocolate. Lucy Lynne, Inc. 555,007, Feb. 19; Serial No. 602,512, published Oct. 30, 1951.
Candy. Mary Ball Candy Kitchens, Incorporated. 554,956, Feb. 19; Serial No. 592,749, published Dec. 4, 1951.
Candy. Em-Jay Candy Company. 554,878, Feb. 19; Serial No. 550,797, published Aug. 1, 1950.
Candy. Imperial Candy Company. 554,997, Feb. 19; Serial No. 598,998, published Dec. 4, 1951.
Candy. C. N. Miller. 95,225, Feb. 3, 1914. Amended. O. G. Feb. 19.
Candy. Morris Candy Co. 283,042, renewed May 12, 1951. O. G. Feb. 19.
Canned and frozen fruits and vegetables. Lawtons Canning Co., Inc. 555,080, Feb. 19; Serial No. 611,906, published Nov. 6, 1951.
Canned dog food. Evans Industries, Inc. 555,037, Feb. 19; Serial No. 609,715, published Nov. 13, 1951.
Canned fish. Columbia River Packers Association, Inc. 555,078, Feb. 19; Serial No. 611,829, published Nov. 13, 1951.
Canned food products. H. C. Bohack Co. Inc. 555,016, Feb. 19; Serial No. 604,899, published Nov. 27, 1951.
Canned fruits. W. A. Hallauer. 554,896, Feb. 19; Serial No. 568,058, published Dec. 4, 1951.
Canned fruits and canned vegetables. Red Lodge Canning Company. 555,001, Feb. 19; Serial No. 601,466, published Nov. 20, 1951.
Canned fruits, canned deciduous fruit juices, etc. Filice & Perrelli Canning Company, Incorporated. 554,928, Feb. 19; Serial No. 583,794, published Nov. 20, 1951.
Canned lobster and bonito. Schroeder Bros., Inc. 554,974, Feb. 19; Serial No. 599,535, published Nov. 20, 1951.
Canned sardines. Safeway Stores, Incorporated. 554,894, Feb. 19; Serial No. 567,043, published Apr. 3, 1951.
Canned soups. The Lawfield Packing Company. 555,039, Feb. 19; Serial No. 610,016, published Nov. 27, 1951.
Canned soups, soup bases and canned soup concentrates, etc. Fearn Laboratories, Inc. 554,864, Feb. 19; Serial No. 519,641, published Dec. 4, 1951.
Canned vegetables. Lawtons Canning Co., Inc. 555,079, Feb. 19; Serial No. 611,905, published Nov. 6, 1951.
Canned vegetables, canned fruits, canned fish, etc. W. A. Genant. 554,893, Feb. 19; Serial No. 566,873, published Nov. 6, 1951.
Canned vegetables, canned soups, canned spaghetti, etc. Phillips Packing Company, Inc. 555,074, Feb. 19; Serial No. 611,616, published Nov. 6, 1951.
Cereal food products. The "Force" Food Company. 37,560, re-renewed Dec. 31, 1951. O. G. Feb. 19.
Cheese. A. Schratter. 554,969, Feb. 19; Serial No. 595,917, published Apr. 3, 1951.
Cheese product. Phenix Pabst-Ett Company. 554,869, Feb. 19; Serial No. 539,078, published Nov. 13, 1951.
Cheeses. Absalon Brands, Inc. 555,053, Feb. 19; Serial No. 611,464, published Oct. 30, 1951.
Chewing gum. American Chewing Products Corp. 444,658, Feb. 19; Serial No. 512,633, published June 21, 1949.
Chocolates. H. B. Reese Candy Company. 554,995, Feb. 19; Serial No. 598,959, published Oct. 16, 1951.
Citrus juice, Frozen. National Dairy Products Corporation. 289,055, renewed Nov. 17, 1951. O. G. Feb. 19.
Coffee. J. Berk, Inc. 555,167, Feb. 19; Serial No. 618,146.
Coffee and blended coffee. William S. Scull Company. 85,832, re-renewed Mar. 19, 1952. O. G. Feb. 19.
Coffee, Blended. William S. Scull Company. 85,688, re-renewed Mar. 5, 1952. O. G. Feb. 19.
Coffee concentrate. R. L. Gulick, Jr. 555,035, Feb. 19; Serial No. 609,593, published Nov. 27, 1951.

Compound of aqueous mono and di glyceryls and other esters used in the production and baking of cakes. Bak-Kraft Corporation, Ltd. 555,011, Feb. 19; Serial No. 603,398, published Dec. 4, 1951.

Compound of aqueous mono and di glyceryls and other esters used in the production and baking of sponge cakes. Bak-Kraft Corporation, Ltd. 555,010, Feb. 19; Serial No. 603,396, published Dec. 4, 1951.

Cookies. Southern Biscuit Company, Incorporated. 554,931, Feb. 19; Serial No. 585,608, published Nov. 13, 1951.

Cookies. E. Zink. 554,953, Feb. 19; Serial No. 592,589, published Nov. 20, 1951.

Feed for poultry and livestock. Universal Mills. 554,902, Feb. 19; Serial No. 571,767, published Dec. 4, 1951.

Feeds, Animal and poultry. Kellogg Company. 554,981, Feb. 19; Serial No. 600,341, published Nov. 20, 1951.

Flour, Wheat. Commander-Larabee Milling Company. 554,961, Feb. 19; Serial No. 594,252, published Nov. 20, 1951.

Food products. C. O. Williams. 554,996, Feb. 19; Serial No. 598,973, published Oct. 30, 1951.

Foods, Frozen. River Valley Co., Inc. 555,034, Feb. 19; Serial No. 609,142, published Nov. 27, 1951.

Fruit and vegetables, Fresh; and dressed fresh and frozen poultry. Half Moon Fruit & Produce Co. 555,057, Feb. 19; Serial No. 608,066, published Nov. 27, 1951.

Fruits, Fresh citrus. Highgrove Fruit Association. 554,870, Feb. 19; Serial No. 539,954, published Dec. 4, 1951.

Fruits, Fresh citrus. Redlands Cooperative Fruit Association. 554,883, Feb. 19; Serial No. 555,016, published Nov. 6, 1951.

Fruits, Fresh citrus. R. G. Rooke. 293,342, renewed Apr. 19, 1952. O. G. Feb. 19.

Fruits, Fresh deciduous, and vegetables. Wondercrop, Incorporated. 554,886, Feb. 19; Serial No. 558,091, published Dec. 4, 1951.

Grapes, Fresh. Zaninovich Bros., Inc. 554,879, Feb. 19; Serial No. 550,979, published Dec. 4, 1951.

Honey. M. I. Taylor. 554,971, Feb. 19; Serial No. 599,199, published Nov. 27, 1951.

Honey, Crystallized. R. D. Bradshaw & Sons. 554,957, Feb. 19; Serial No. 592,754, published Nov. 27, 1951.

Ice cream and sherbets. The Sedutto Company. 555,019, Feb. 19; Serial No. 605,687, published Dec. 4, 1951.

Juices of citrus fruits, Frozen concentrated. Minute Maid Corporation. 555,105, Feb. 19; Serial No. 615,870, published Nov. 13, 1951.

Lard, beef frankfurters, beans and all beef frankfurters, etc. Hygrade Food Products Corporation. 554,876, Feb. 19; Serial No. 548,372, published Nov. 13, 1951.

Macaroni. Vimco Macaroni Products Company. 554,979, Feb. 19; Serial No. 600,237, published Nov. 27, 1951.

Macaroni with sauce, Stuffed. George B. Vrooman, Inc. 554,958, Feb. 19; Serial No. 593,095, published Nov. 6, 1951.

Meats. Rabbit Packers of California. 555,149, Feb. 19; Serial No. 608,894, published Nov. 27, 1951.

Meats, Fresh carcass, cured meats, variety meats, etc. Armour and Company. 554,901, Feb. 19; Serial No. 571,246, published Nov. 6, 1951.

Melons, Fresh. L. W. Eddins. 554,999, Feb. 19; Serial No. 601,030, published Dec. 4, 1951.

Mushroom juice, Bottled. K-B Products Corp. 554,965, Feb. 19; Serial No. 595,261, published Nov. 27, 1951.

Mushrooms, Fresh. West Foods, Inc. 555,008, Feb. 19; Serial No. 602,529, published Dec. 4, 1951.

Oleomargarine. Osceola Foods, Inc. 554,922, Feb. 19; Serial No. 580,505, published Dec. 4, 1951.

Olive oil. D. Polis. 554,872, Feb. 19; Serial No. 544,608, published Nov. 27, 1951.

Onions, Fresh, and canned fruit nectars and canned fish. Connell Bros. Company Limited. 555,073, Feb. 19; Serial No. 608,983, published Nov. 20, 1951.

Peanut brittle and toasted sugared peanuts. Sophie Mae Candy Corp. 554,983, Feb. 19; Serial No. 596,203, published Nov. 20, 1951.

Popcorn. Raytheon Manufacturing Company. 554,866, Feb. 19; Serial No. 534,815, published Nov. 27, 1951.

Potatoes. Paul Bunyan Foods, Inc. 554,985, Feb. 19; Serial No. 597,431, published Nov. 20, 1951.

Salad oil. Mrs. Tucker's Foods Inc. 555,095, Feb. 19; Serial No. 614,225, published Dec. 4, 1951.

Salad oil, Blended. A. R. Pinelli. 554,951, Feb. 19; Serial No. 591,637, published Oct. 23, 1951.

Shrimp, Frozen. SeaPak Corporation. 555,166, Feb. 19; Serial No. 610,638.

Stabilizer for use in the manufacture of ice cream, ice milk and related products. Malt-A-Plenty, Inc. 555,069, Feb. 19; Serial No. 608,824, published Nov. 27, 1951.

Tomatoes, Fresh, fresh citrus fruits, fresh grapes, etc. C. B. Williams. 554,938, Feb. 19; Serial No. 587,451, published Dec. 4, 1951.

Vegetables, Fresh. Kodama Bros. 555,087, Feb. 19; Serial No. 612,922, published Nov. 20, 1951.

Vegetables, Fresh, and fresh deciduous fruits. Pacific Farm Company. 554,998, Feb. 19; Serial No. 599,051, published Nov. 20, 1951.

Vegetables, Fresh, and fresh fruits. Costa Bros. 386,544, Apr. 15, 1941. Republished Feb. 19.

Whole-milk powder, half-skimmed-milk powder, and skimmed-milk powder. Merrell-Soule Co. 84,844, re-renewed Jan. 9, 1952. O. G. Feb. 19.

CLASS 47

Wines. California Wine Association. 555,107, Feb. 19; Serial No. 616,149, published Dec. 4, 1951.

CLASS 48

Beer. P. J. McGurk. 555,150–1, Feb. 19; Serial Nos. 534,412–13.

CLASS 50

Fly ribbon, fly paper, fly tape, etc. R. E. Tongue & Bros. Co., Inc. 291,699, renewed Feb. 23, 1952. O. G. Feb. 19.

CLASS 51

Cuticle remover. N. Warren. 86,257, re-renewed Apr. 23, 1952. O. G. Feb. 19.

Hair preparation. J. B. Davis. 555,157, Feb. 19; Serial No. 582,827.

Hair waving and treating solutions and lotions, hair wash, etc. The Realistic Permanent Wave Machine Co. 293,386, renewed Apr. 19, 1952. O. G. Feb. 19.

Lipstick pencils. Elizabeth Arden Sales Corporation. 555,161, Feb. 19; Serial No. 600,713.

Nail lacquer, liquid nail lacquer remover, nail lacquer thinner, etc. Chen Yu, Inc. 555,164, Feb. 19; Serial No. 604,069.

Perfume. Caron Corporation. 555,153, Feb. 19; Serial No. 563,309.

CLASS 52

Cleaning compound. The Solvay Process Company. 293,169, renewed Apr. 12, 1952. O. G. Feb. 19.

Cleansing and scouring compound and a cleaning compound. The Solvay Process Company. 292,468, renewed Mar. 15, 1952. O. G. Feb. 19.

Insecticides and deodorants. Orkin Exterminating Company, Inc. 289,510, renewed Dec. 1, 1951. O. G. Feb. 19.

Shampoo, Liquid. Perma-Sheen Chemical Company. 555,159, Feb. 19; Serial No. 599,009.

Soap. I. Rokeach & Sons. 82,261, June 13, 1911. Republished Feb. 19.

Soap. West Disinfecting Company. 84,064, renewed Oct. 31, 1951. O. G. Feb. 19.

Washing powder and cleansing compound. B. Heller and Company. 282,061, Apr. 7, 1931. Corrected. O. G. Feb. 19.

CLASS 100

Acting as an agency for national-known periodical magazine publications, etc. Interstate Readers Service, Inc. 555,142, Feb. 19; Serial No. 597,615, published Nov. 27, 1951.

Creating and developing designs. Anne Orr Studio. 555,131, Feb. 19; Serial No. 578,950, published Nov. 27, 1951.

Gathering and furnishing to physicians and retail druggists complete information on pharmaceutical products. McKesson & Robbins, Incorporated. 555,133, Feb. 19; Serial No. 580,734, published Dec. 4, 1951.

Promotion of the development and industrial growth of the area comprising the States of Arkansas, Louisiana, and Mississippi. The Middle South. 555,139, Feb. 19; Serial No. 593,849, published Dec. 4, 1951.

Representing and acting for clients as agents, etc., for the purchase and sale of machinery, etc. Columbia Commerce & Credit Corporation. 555,130, Feb. 19; Serial No. 572,165, published Nov. 27, 1951.

Stimulating and helping maintain interest in education, civic affairs, and social services. Chi Omega Fraternity. 555,148, Feb. 19; Serial No. 600,650, published Dec. 4, 1951.

CLASS 101

Advertising the goods and services of sponsors. B. H. Claster. 555,145, Feb. 19; Serial No. 609,229, published Nov. 13, 1951.

Lithographic half-tone printing. Kipe Offset Process Company, Inc. 555,136, Feb. 19; Serial No. 584,063, published Dec. 4, 1951.

Services for male college students. Chi Psi Fraternity. 555,126, Feb. 19; Serial No. 561,804, published Nov. 20, 1951.

CLASS 102

Brokerage services. Property Credit Corporation. 555,129, Feb. 19; Serial No. 566,471, published Nov. 6, 1951.

Brokerage services. George W. Warnecke & Company, Inc. 555,128, Feb. 19; Serial No. 566,437, published Nov. 6, 1951.

Underwriting of fire insurance, miscellaneous property insurance, water damage insurance, etc. Atlas Assurance Company Limited. 555,140, Feb. 19; Serial No. 595,635, published Dec. 4, 1951.

CLASS 103

Erection and razing of steel structures. United States Steel Corporation. 555,138, Feb. 19; Serial No. 588,249, published Nov. 6, 1951.

Excavating; grading and paving roads, etc. Earth Excavators Incorporated. 555,134, Feb. 19; Serial No. 583,033, published Nov. 27, 1951.

Excavating; grading and paving roads; etc. Earth Excavators Incorporated. 555,135, Feb. 19; Serial No. 583,034, published Dec. 4, 1951.

Services rendered in connection with automobiles. Western Auto Supply Company. 555,127, Feb. 19; Serial No. 562,234, published Nov. 27, 1951.

CLASS 105

Airplane transportation of passengers, freight, and mail. Scandinavian Airlines System, Inc. 555,119, Feb. 19; Serial No. 538,124, published Sept. 19, 1950.

Airplane transportation of passengers, freight, and mail. Scandinavian Airlines System, Inc. 555,120, Feb. 19; Serial No. 538,181, published Sept. 19, 1950.

Automobile travel information service. Continental Oil Company. 555,132, Feb. 19; Serial No. 579,968, published Nov. 27, 1951.

Motor truck transportation. United Truck Lines, Incorporated. 555,124, Feb. 19; Serial No. 551,833, published Dec. 4, 1951.

Moving and shipping by motor truck. Terminal Transport Company, Inc. 555,144, Feb. 19; Serial No. 608,684, published Nov. 13, 1951.

Railroad passenger and freight transportation service. Minneapolis, St. Paul & Sault Ste. Marie Railroad Company. 555,143, Feb. 19; Serial No. 600,346, published Dec. 4, 1951.

Transportation of passengers, baggage, express, etc., by motor buses. Continental Bus System, Inc. 555,122, Feb. 19; Serial No. 548,800, published Dec. 4, 1951.

Transportation of passengers, cargo, mail, etc., by steamships and motor vessels. Aktiebolaget Svenska Amerika Linien. 555,123, Feb. 19; Serial No. 548,897, published Feb. 20, 1951.

Travel agency services. R. R. Male. 555,141, Feb. 19; Serial No. 596,857, published Dec. 4, 1951.

CLASS 106

Molding of artificial cast teeth and bridges for dentists. Atlantic Dental Laboratory. 555,125, Feb. 19; Serial No. 553,952, published Nov. 27, 1951.

Treating wood and wood products with chemicals to prolong the life thereof. Société à Responsibilité Limitée Cobra. 555,147, Feb. 19; Serial No. 609,885, published Nov. 27, 1951.

CLASS 107

Entertainment service. Alexander & Sprague. 555,146, Feb. 19; Serial No. 609,837, published Nov. 27, 1951.

Entertainment service. E. H. Butler. 555,121, Feb. 19; Serial No. 539,650, published Dec. 4, 1951.

Training in leadership, in public speaking, and in criticism thereof. Toastmasters International. 555,137, Feb. 19; Serial No. 588,237, published Dec. 4, 1951.

LIST OF PLANT PATENTEES

Columbia & Okanogan Nursery Company, assignee: *See*—
Mars, Alvin J.
Mars, Alvin J., Entiat, assignor to Columbia & Okanogan Nursery Company, Wenatchee, Wash. Apple tree. 1,075, Feb. 19.

LIST OF DESIGN PATENTEES

Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Combination television, radio-phonograph, and beverage cabinet. 165,955, Feb. 19.
Admiral Corporation, assignee: *See*—
Adler, Samuel E.
American Radiator & Standard Sanitary Corporation, assignee: *See*—
Krafft, Kurt.
Ammon, William H., Los Angeles, Calif. Nut cracker. 165,956, Feb. 19.
Barber-Colman Company, assignee: *See*—
Kennedy, Walter W.
Baumann, Charles F., Oakland, and V. Schultz, San Leandro, Calif. Santa Claus windmill toy. 165,957, Feb. 19.
Black, Robert B., Corpus Christi, Tex. Dental hand-piece. 165,958, Feb. 19.
Bley, Llewellyn, Ridgefield Park, N. J., assignor to Llewellyn, Inc., New York, N. Y. Lady's handbag. 165,959, Feb. 19.
Bliss, Charles O., Los Angeles, Calif. Salad bowl. 165,960, Feb. 19.
Breitenstein, Charles T., assignor to R. T. Moloney, Chicago, Ill. Housing for bowling games and the like. 165,961, Feb. 19.
Burlington Mills Corporation, assignee: *See*—
Poole, Lewis.
Cohn, Gustav, New York, N. Y. Slipper. 165,962, Feb. 19.
Cohn, Gustav, New York, N. Y. Slipper. 165,963, Feb. 19.
Crane, Walton B., Beverly Hills, assignor to Max Factor & Co., Los Angeles, Calif. Container for nail polish or the like. 165,964, Feb. 19.
Crawford, Ralph W.: *See*—
Sly, Leslie W., Fisher, Crawford, and Doe.
Curtiss-Wright Corporation, assignee: *See*—
Davis, Frederic W.
Daniel, Frederick K., Kew Gardens, N. Y. Flow gauge. 165,965, Feb. 19.
Davis, Frederic W., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Flight trainer hood. 165,966, Feb. 19.
Day, Fred N., Missoula, Mont. Scriber. 165,967, Feb. 19.
Del Conte, Edmund L.: *See*—
Del Conte, Mario B. and E. L.
Del Conte, Mario B., Brooklyn, and E. L. Del Conte, Richmond Hill, N. Y. Olive rack. 165,968, Feb. 19.
Del Conte, Mario B., Brooklyn, and E. L. Del Conte, Richmond Hill, N. Y. Olive rack. 165,969, Feb. 19.
Doblin, Jay: *See*—
Otto, Carl, and Doblin.
Doe, Walter P.: *See*—
Sly, Leslie W., Fisher, Crawford, and Doe.
Doman, Donald W.: *See*—
Haman, Ralph W., Girardy, and Doman.
Duncan, Daniel D., Glendale, Calif. Knife sharpening holder. 165,970, Feb. 19.
Factor, Max, & Co., assignee: *See*—
Crane, Walton B.
Fell, Arthur D., Jr.: *See*—
Saalfrank, Royal B., and Fell.
Fisher, Herman G.: *See*—
Sly, Leslie W., Fisher, Crawford, and Doe.
Fisher-Price Toys, Inc., assignee: *See*—
Sly, Leslie W., Fisher, Crawford, and Doe.
Foster Grant Co., Inc., assignee: *See*—
Girouard, Albert.
Frederick, Robert E., New York, N. Y. Shoe. 165,971, Feb. 19.
Giovagnoni, Violet, New York, N. Y. Negligee. 165,972, Feb. 19.
Girardy, Alfred B.: *See*—
Haman, Ralph W., Girardy, and Doman.
Girouard, Albert, assignor to Foster Grant Co., Inc., Leominster, Mass. Pair of spectacles. 165,973, Feb. 19.
Glass, Henry P., Chicago, Ill., assignor to Grand Rapids Hardware Company, Grand Rapids, Mich. Display stand. 165,974, Feb. 19.
Goodman, Herbert N., assignor to Triumph Hosiery Mills, Inc., New York, N. Y. Stocking. 165,975, Feb. 19.
Goserud, Chester O., St. Paul, Minn. Latch. 165,976, Feb. 19.
Grand Rapids Hardware Company, assignee: *See*—
Glass, Henry P.
Haloid Company, The, assignee: *See*—
Mayo, Clyde R.
Haman, Ralph W., Flossmoor, A. B. Girardy, Chicago, and D. W. Doman, Harvey, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Spandrel panel. 165,977, Feb. 19.
Haman, Ralph W., Flossmoor, A. B. Girardy, Chicago, and D. W. Doman, Harvey, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Spandrel panel. 165,978, Feb. 19.
Herschede Hall Clock Company, The, assignee: *See*—
Woodruff, William N.
Holt, Elizabeth C., Los Angeles, Calif. Hand glare shield. 165,979, Feb. 19.
Howard, Albert, Brooklyn, N. Y. Orange peeler. 165,980, Feb. 19.
Husted, Earl F., Kansas City, Mo. Article holding rack for tables. 165,981, Feb. 19.
Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Sheet metal frame for grilles and the like. 165,982, Feb. 19.
Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Air distribution outlet. 165,983, Feb. 19.
Knight, George C., Company, assignee: *See*—
Koonter, Carlton G.
Konefes, Joseph H., Libertyville, Ill., assignor to Motor Products Corporation, Detroit, Mich. Combined jacket-handle unit and water bottle. 165,984, Feb. 19.
Koonter, Carlton G., Fairhaven, assignor to George C. Knight Company, Detroit, Mich. Exhaust pipe extension or similar article for an automobile. 165,985, Feb. 19.
Koonter, Carlton G., Fairhaven, assignor to George C. Knight Company, Detroit, Mich. Exhaust pipe extension of similar article for an automobile. 165,986, Feb. 19.
Krafft, Kurt, Louisville, Ky., assignor to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Faucet. 165,987, Feb. 19.
Kupchik, George J., Brooklyn Village, Ohio. Combination booty drier and coat hanger. 165,988, Feb. 19.
Leotta, Samuel S., Hatboro, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Galvanometer. 165,989, Feb. 19.
Les Parfums De Dana, Inc., assignee: *See*—
Serra, Javier.
Leser, Tina, New York, N. Y. Play suit. 165,990, Feb. 19.
Llewellyn, Inc., assignee: *See*—
Bley, Llewellyn.
Ludwig, Louis, Brooklyn, N. Y. Electrical cap. 165,991, Feb. 19.
Macksoud, Alice, New York, N. Y. House coat. 165,992, Feb. 19.
Mayo, Clyde R., Brighton, assignor to The Haloid Company, Rochester, N. Y. Paper registration guide for an electrophotographic copying machine. 165,993, Feb. 19.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Leotta, Samuel S.
Miran, Julius, New York, N. Y. Stocking. 165,994, Feb. 19.
Miran, Julius, New York, N. Y. Stocking. 165,995, Feb. 19.
Moloney, Raymond T., assignee: *See*—
Breitenstein, Charles T.
Motor Products Corporation, assignee: *See*—
Konefes, Joseph H.
National Screw & Manufacturing Company, The, assignee: *See*—
Summerhill, Walter E.
Oiljak Manufacturing Co., Inc., The, assignee: *See*—
Persak, George, Jr.
Otto, Carl, and J. Doblin, New York, N. Y., assignors to The Torsion Balance Company, Clifton, N. J. Analytical balance. 165,996, Feb. 19.
Persak, George, Jr., Verona, assignor to The Oiljak Manufacturing Co., Inc., Montclair, N. J. Liquid containing reservoir of a drink dispensing machine. 165,997, Feb. 19.

Pollard, Maurice B., Pampa, Tex. Portable barbecue. 165,998, Feb. 19.
Poole, Lewis, Harriman, Tenn., assignor to Burlington Mills Corporation, Greensboro, N. C. Lady's stocking. 165,999, Feb. 19.
Pullman-Standard Car Manufacturing Company, assignee: *See*—
Haman, Ralph W., Girardy, and Doman.
Roy, Milton, Company, assignee: *See*—
Saalfrank, Royal B., and Fell.
Saalfrank, Royal B., Gulfport, Fla., and A. D. Fell, Jr., Hatboro, assignors to Milton Roy Company, Philadelphia, Pa. Fluid proportioning pump. 166,000, Feb. 19.
Saller, Paul G., Jeannette, Pa. Glass dish. 166,001, Feb. 19.
Schultz, Verner: *See*—
Baumann, Charles F., and Schultz.
Serra, Javier, assignor to Les Parfums De Dana, Inc., New York, N. Y. Bottle. 166,002, Feb. 19.
Sly, Leslie W., H. G. Fisher, R. W. Crawford, and W. P. Doe, assignors to Fisher-Price Toys, Inc., East Aurora, N. Y. Toy fire truck. 166,003, Feb. 19.
Sobel, David, Revere, Mass. Matchbook case or similar article. 166,004, Feb. 19.
Summerhill, Walter E., Chardon, assignor to The National Screw & Manufacturing Company, Cleveland, Ohio. Hand truck. 166,005, Feb. 19.
Torsion Balance Company, The, assignee: *See*—
Otto, Carl, and Dobling.
Triumph Hosiery Mills, Inc., assignee: *See*—
Goodman, Herbert N.
Trumfio, Harry A., Chicago, Ill. Combined sewing machine cabinet and seat. 166,006, Feb. 19.
Waite Carpet Company, assignee: *See*—
Waite, Philip C.
Waite, Philip C., assignor to Waite Carpet Company, Oshkosh, Wis. Floor covering. 166,007, Feb. 19.
Witten, Constance J., Bay Shore, N. Y. Cocktail glass. 166,008, Feb. 19.
Woodruff, William N., assignor to The Herschede Hall Clock Company, Cincinnati, Ohio. Parking meter. 166,009, Feb. 19.
Woodward, Joseph H., Miami, Fla. Air circulating rotor or similar article. 166,010, Feb. 19.
Woodward, Joseph H., Miami, Fla. Air circulating rotor or similar article. 166,011, Feb. 19.
Woodward, Joseph H., Miami, Fla. Air circulating rotor or similar article. 166,012, Feb. 19.
Woodward, Joseph H., Miami, Fla. Air circulating rotor or similar article. 166,013, Feb. 19.
Wright, Russel, New York, N. Y. Cup. 166,014, Feb. 19.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF FEBRUARY, 1952

NOTE.—**Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).**

A. S. P. Chemical Company Limited, assignee: *See*—
Walsh, Conrad L., and Adams.
Abbott Worsted Mills, Incorporated, assignee: *See*—
Perry, Winthrop L.
Abell, Donald E., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,586,284, Feb. 19.
Ackermann, Otto, Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lightning arrester. 2,586,285, Feb. 19.
Adams, Basil A.: *See*—
Walsh, Conrad L., and Adams.
Adams, Chester E., Highland, Ind., W. A. Proell and E. G. Ballweber, assignors to Standard Oil Company, Chicago, Ill. Alkylation process. 2,585,983, Feb. 19.
Adamson, Frank M.: *See*—
Cadwell, Clarence J., and Adamson.
Adelman, Robert L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of acetals. 2,586,139, Feb. 19.
Affiliated Gas Equipment, Inc., assignee: *See*—
Teller, William R.
Affleck, Theodore H., North Hollywood, assignor to Homer T. Seale, Inc., Los Angeles, Calif. Relay emergency air brake valve. 2,586,196, Feb. 19.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Malkames, James P., Jr.
Shaw, Thomas M.
Van Atta, George R., Kester, and Olcott.
Ainley, Arthur D., and F. H. S. Curd, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Quaternary salts of pyrimidylaminoquinolines. 2,585,905, Feb. 19.
Ainley, Arthur D., Blackley, Manchester, S. Birtwell, Leeds, England, and F. H. S. Curd, deceased, Blackley, Manchester, England, by M. R. Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited. Quaternary salts of pyrimidines. 2,585,906, Feb. 19.
Aircraft Mechanics Inc., assignee: *See*—
Robins, Jack B.
Airmed Limited, assignee: *See*—
Marrett, Henry R.
Air Reduction Company, Incorporated, assignee: *See*—
Anderson, Nelson E.
Aktiebolaget Elektroiux, assignee: *See*—
Bäckström, Sigurd M.
Aktiebolaget Kontrollinstrument, assignee: *See*—
Grusell, Anders E., Sandmark, and Hysing.
Aktiengesellschaft Brown, Boveri & Cie., assignee: *See*—
Wideroe, Rolf.
Alcorn, Robert L., Jr., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Timing system. 2,586,592, Feb. 19.
Alexander, Cruzan, and H. A. Dutcher, Bartlesville, Okla., assignors to Phillips Petroleum Company. Pebble heater apparatus and heat exchange. 2,585,984, Feb. 19.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electronic frequency changer and stabilizing control means therefor. 2,586,498, Feb. 19.
Allegro, Joseph A.: *See*—
Richeson, Sanford E., and Allegro.
Allied Chemical & Dye Corporation, assignee: *See*—
Collins, Thomas W., Jr.
Mueller, Max B.
Allied Laboratories, Inc., assignee: *See*—
Faith, Herman E.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Shaw, Ernest C.
Allover Manufacturing Company, assignee: *See*—
Boerger, Julius W.
Alter, Albert R.: *See*—
Tellier, Joseph C., and Alter.
American Air Filter Company, Inc., assignee: *See*—
Dahlman, Verner.
American Cyanamid Company, assignee: *See*—
Hook, Edwin O., and Moss.
Mead, John C., and Schneider.
Pidacks, Charles, and Starbird.
American Dairies, Incorporated, assignee: *See*—
Graham, William R., Jr., Kohler, and Hoover.
American Locker Company, Inc., assignee: *See*—
Davis, Elmer W.
American Machine and Foundry Company, assignee: *See*—
Nejedly, Peter M., and Johansson.
Patterson, Morehead.
American Optical Company, assignee: *See*—
Cole, Henry B.
Davis, John K.
Royce, Virginia B.
American Register Company, assignee: *See*—
Nyman, Harold G.
American Steel Foundries, assignee: *See*—
Sedgwick, Robert K.
American Tool Works Company, The, assignee: *See*—
Hoelscher, William G.
American Viscose Corporation, assignee: *See*—
Conti, John D.
Dalton, Masten R.
Fry, Horace P., Jr.
Haley, Hugh D.
Heffelfinger, Robert D., and Truitt.
O'Malley, Thomas R.
Truitt, Joseph A.
Anciens Etablissements R. Velut (Société à Responsabilité Limitée), assignee: *See*—
Velut, Rene.
Andersen, Alford L., Jr.: *See*—
Kaiser, Emil, Andersen, and Svarz.
Anderson, Harry W.: *See*—
Ehrenreich, Frank C., and Anderson.
Anderson, John H., Burris, Wyo. Mount for telescopic gun sights. 2,585,985, Feb. 19.
Anderson, Mark G., assignor to Anderson & Wagner, Inc., Los Angeles, Calif. Carbonating apparatus. 2,586,499, Feb. 19.
Anderson, Nelson E., Scotch Plains, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for electric arc spot welding. 2,586,140, Feb. 19.
Anderson & Wagner, Inc., assignee: *See*—
Anderson, Mark G.
Andreas, John M., Pasadena, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Film registering and printing apparatus. 2,586,286, Feb. 19.
Andreasson, Rudolf W., Franklin, Mich. Apparatus for relieving the teeth of circular cutting elements. 2,585,986, Feb. 19.
Andrews, John M., assignor to York Corporation, York, Pa. Relay type of current limiter. 2,585,987, Feb. 19.
Angell, Otis R., North Quincy, Mass. Fish lure. 2,586,141, Feb. 19.
Angell, Pierce T.: *See*—
De Vlieg, Howard R., and Angell.
Antonello, Frederico, Rebbio, Italy. Process and device for making concrete structures. 2,586,413, Feb. 19.
Apperson, Lester D., Convent Station, and E. L. Richardson, Bound Brook, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Aluminum sulfamate antiperspirant. 2,586,288, Feb. 19.
Apperson, Lester D., Convent Station, and E. L. Richardson, Fair Lawn, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Aluminum sulfamate antiperspirant preparation. 2,586,287, Feb. 19.
Apperson, Lester D., Convent Station, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Zinc sulfamate antiperspirant. 2,586,289, Feb. 19.
Arma Corporation, assignee: *See*—
Cunningham, Frederick W.
Armitage, Frank: *See*—
Hewitt, Donald H., and Armitage.
Armitage, Frank, London, and J. J. Sleightholme, Carlisle, Cumberland, England, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Manufacture of interpolymers of styrene with unsaturated fatty acids and polyhydric alcoholic esters thereof. 2,586,593, Feb. 19.
Armour and Company, assignee: *See*—
Kaiser, Emil, Andersen, and Svarz.
Marcoux, Melvin W.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Ellis, Granville B.
Arnold, Alfred L., assignee: *See*—
Housley, Robert B.

Arnold, George, assignee: *See* Housley, Robert B.

Arrow Metal Products, assignee: *See* Rubin, Samuel J.

Arundale, Erving, A. H. Gleason, and F. W. Banes, Westfield, N. J., assignors to Standard Oil Development Company. Preparation of drying oils from diolefins. 2,586,594, Feb. 19.

Ashby, Willie R., assignor of fifty per cent to S. Zuckerman, Las Cruces, N. Mex. Electric outlet for barber's chair. 2,586,595, Feb. 19.

Aske, Leonard E., Minneapolis, Minn., assignor to General Mills, Inc. Fan for cooling induction motors. 2,586,452, Feb. 19.

Asscher, Meier, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparing aminoketones. 2,585,988, Feb. 19.

Astra Engineering Company, assignee: *See* Seagren, Nils G.

Atkin, Rupert L.: *See* Whitten, Owen M., and Atkin.

Atwell, Henry G., Lake Villa, Ill. Ball pitching and catching device. 2,585,989, Feb. 19.

Aubertin, Ovila J., assignor of one-half to J. A. Sirard, Matachewan, Ontario, Canada. Holder for dispensing paper bags. 2,586,197, Feb. 19.

Auld, D. L., Company, The, assignee: *See* Hyatt, Samuel W.

Automatic Electric Laboratories, Inc., assignee: *See* Ostline, John E.

Axe, Daniel E., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Sliding sash lock. 2,586,500, Feb. 19.

Ayerst, McKenna & Harrison, Limited, assignee: *See* Grant, Gordon A., and von Seemann.

Baar, Karl, Janesville, Wis. Paper roll holder. 2,586,501, Feb. 19.

Babcock & Wilcox Company, The, assignee: *See* Ratcliffe, Temple W., and Evans.

Backlund, Peter S., Long Beach, and P. L. Polizzotto, Inglewood, assignors to Union Oil Company of California, Los Angeles, Calif. Refining of wax. 2,586,198, Feb. 19.

Bäckström, Sigurd M., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Multiple temperature refrigeration system. 2,585,908, Feb. 19.

Backus, Anton R., Santa Barbara, Calif. Handle for vessels. 2,586,199, Feb. 19.

Backus, Harrison S., assignor to G. D. Searle & Co., Skokie, Ill. Nasal atomizer. 2,586,502, Feb. 19.

Badgley, Cecil F.: *See* Browning, Roe V., and Badgley.

Bahney, Luther W., Elizabeth, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Induction pouring furnace. 2,586,596, Feb. 19.

Bailey, Gordon L. J., West Drayton, and H. C. Watkins, Greenford, assignors to British Non-Ferrous Metals Research Association, London, England. Production of lead coatings. 2,586,142, Feb. 19.

Bailey Meter Company, assignee: *See* Barnard, Clayton H.
Fitch, Edward W.

Bailey, Meyer E., assignee: *See* Swanson, Bror W.

Baker, Benjamin P., Turtle Creek, and T. E. Browne, Jr., Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,586,200, Feb. 19.

Baker, Robert C., Corry, Pa., and R. L. Clark, East Cleveland, assignors, by mesne assignments, to Strong Steam Specialty Mfg. Co., Cleveland, Ohio. Steam trap. 2,586,143, Feb. 19.

Baldenhofer, William G., assignor to The Thompson Grinder Company, Springfield, Ohio. Grinding intricate contours. 2,585,990, Feb. 19.

Baldwin Company, The, assignee: *See* Knoblaugh, Armand F.

Baldwin-Lima-Hamilton Corporation, assignee: *See* Moore, Archie F.

Ball, Gaines L., assignor to Batson-Cook Company, West Point, Ga. Hot-air dryer for slashers. 2,586,200, Feb. 19.

Ballweber, Edward G.: *See* Adams, Chester E., Proell, and Ballweber.

Balmer, John, St. Louis, Mo. Niggerhead. 2,585,991, Feb. 19.

Banes, Fred W.: *See* Arundale, Erving, Gleason, and Banes.

Bardeen, John, Summit, and W. H. Brattain, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation generator. 2,586,597, Feb. 19.

Barkis, Charles E., San Francisco, Calif., assignor, by mesne assignments, to General Electric Company. Trolley for electric power distribution system. 2,586,414, Feb. 19.

Barnard, Clayton H., Cleveland, Ohio, assignor to Bailey Meter Company. Fluid heater temperature control system. 2,586,503, Feb. 19.

Barnhart, George, Newark, Del., and R. W. Grimble, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorinating phthalocyanine coloring matters. 2,586,598, Feb. 19.

Barret, William M., assignor to Engineering Research Corporation, Shreveport, La. Transmitting and receiving apparatus for electromagnetic prospecting. 2,585,907, Feb. 19.

Barrows, Donald S., Rochester, assignor to The Symington-Gould Corporation, Depew, N. Y. Journal box lid. 2,586,599, Feb. 19.

Barry Corporation, The, assignee: *See* Crede, Charles E.

Bartelson, Sten E., Ashland, N. J., assignor to Radio Corporation of America. Interlocked pressure roller and pad roller. 2,586,600, Feb. 19.

Barton, Norman, Blackley, Manchester, S. Birtwell, Leeds, and F. H. S. Curd, deceased, Blackley, Manchester, by M. R. Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited. Quaternary salts of pyrimidylaminoquinolines. 2,585,909, Feb. 19.

Barton, Norman, Blackley, Manchester, S. Birtwell, Leeds, and F. H. S. Curd, deceased, Blackley, Manchester, by M. R. Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited. Preparing diquaternary salts of pyrimidylamino quinolines. 2,585,910, Feb. 19.

Basca Manufacturing Co., Inc., assignee: *See* Wilson, John B.

Bastian-Blessing Company, The, assignee: *See* Mills, Ellsworth L., and Zimmer.

Bateman, Ralph C.: *See* Lepp, Gerhard J., Bateman, and Emberson.

Batson-Cook Company, assignee: *See* Ball, Gaines L.

Baxter, George E., Grand River, assignor to Diamond Alkali Company, Cleveland, Ohio. Making vinyl chloride. 2,585,911, Feb. 19.

Bear Manufacturing Company, assignee: *See* Wochner, Henry.

Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Railway hatch cover and locking means therefor. 2,586,601, Feb. 19.

Beddow, Sidney B., Linden, N. J., assignor to Standard Oil Development Company. Purification of alcoholic liquid. 2,586,602, Feb. 19.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Combined amplitude and frequency discriminatory automatic gain control. 2,586,760, Feb. 19.

Beggs, George E., Jr., Warrington, and E. W. Yetter, Ardmore, assignors to Leeds and Northrup Company, Philadelphia, Pa. Electronic recording and controlling apparatus. 2,586,603, Feb. 19.

Bell Telephone Laboratories, Incorporated, assignee: *See*
Bardeen, John, and Brattain.
Busch, Aloysius J.
Gray, Preston R.
Holden, William H. T.
Pfann, William G.

Bender, Joseph L., assignor to Stewart-Warner Corporation, Chicago, Ill. Electronic temperature control. 2,586,291, Feb. 19.

Bendix Aviation Corporation, assignee: *See* Divoll, Richard L.

Benge, Joseph B., Evanston, Ill. Sign. 2,586,504, Feb. 19.

Bennett, Arthur N.: *See* Brown, Robert J., Nees, and Bennett.

Bennett, Wesley B., assignor to Westward Washing Machine Company, Detroit, Mich. Flexible coupling. 2,586,604, Feb. 19.

Benoit, Henry F., Charlton City, Mass. Stock switch. 2,586,144, Feb. 19.

Berg, Jack G.: *See* Schear, Ralph D., and Berg.

Berger, Meyers M., Youngstown, Ohio, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Extractor. 2,586,292, Feb. 19.

Berin, Biagio, Turin, Italy. Certifying device for cash registers. 2,586,201, Feb. 19.

Berry, Reni S.: *See* Newman, Carl A., and Berry.

Beverino, Naomi C., La Canada, Calif. Tailor's tack needle. 2,586,505, Feb. 19.

Bidwell, Clarence G.: *See* Reynolds, Harry R., and Bidwell.

Bigwood, Joshua, & Son, Limited, assignee: *See* Picton, John B.

Bingham, Charles R., Davenport, Iowa. Trailer hitch. 2,586,202, Feb. 19.

Bingham-Herbrand Corporation, The, assignee: *See* Terry, Jack E.

Birkigt, Louis, Versoix-Geneva, assignor to Hispano Suiza (Suisse) S. A., Geneva, Switzerland. Spinning spindle mechanism, in particular of the worm and worm wheel drive type. 2,586,293, Feb. 19.

Birtwell, Stanley: *See* Ainley, Arthur D., Birtwell, and Curd.
Barton, Norman, Birtwell, and Curd.

Bischoff, Ernst, Company, Inc., assignee: *See* Harvill, Edward K.

Bixler, Harley H., Erie, Pa., assignor to General Electric Company. Refrigerator control. 2,586,506, Feb. 19.

Bjerkan, Arthur J., assignor to Deere & Company, Moline, Ill. Planter marker. 2,585,992, Feb. 19.

Blanchard, William A.: *See* Moss, Charles W., and Blanchard.

Bloomer Bros. Company, assignee: *See* Mobley, Edwin H.

Blumlein, Alan D., deceased, London, by D. Walker, executrix, Paignton, and E. L. C. White, Iver, England, assignors to Electric & Musical Industries Limited. Methods and apparatus for the control of the timing of recurrent signals. 2,586,605, Feb. 19.

Body Guard Valve Co., Inc., assignee: *See* Sanford, Paul W.

Boerdijk, Arie H., and J. M. L. Janssen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Power supply system providing filament and anode voltages for an electron discharge device. 2,586,507, Feb. 19.

Boerger, Julius W., assignor to Allover Manufacturing Company, Racine, Wis. Clipper and electric motor therefor. 2,586,415, Feb. 19.

Bolek, Frank J., Chicago, Ill. Rod lock. 2,585,993, Feb. 19.

Bonnington, Alexander, Huntington, W. Va. Conversion of metal sulfides. 2,586,606, Feb. 19.

Booth, Ernest, executor: *See* Hewitt, Donald H., and Armitage.

Boyle, Francis B., assignor to The Wigginton Company, Kalamazoo, Mich. Voltage indicating instrument and case therefor. 2,586,203, Feb. 19.

Boynton, Wentworth D., Woodbrook, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Controlling coiling machines. 2,585,994, Feb. 19.

Bradbury, James G., assignor to Hays Manufacturing Company, Erie, Pa. Tamperproof plug valve. 2,586,453, Feb. 19.

Brandin, Tore, assignor to Svenska Turbinfabriks Aktiebolaget Ljungstrom, Finspong, Sweden. Refrigerating machine or heat pump unit of the multiple compression type. 2,586,454, Feb. 19.

Brattain, Walter H.: *See* Bardeen, John, and Brattain.

Breuer Electric Manufacturing Company, assignee: *See* Breuer, Grant W., and Lanter.

Breuer, Grant W., Northbrook, and C. W. Lanter, Bartlett, assignors to Breuer Electric Manufacturing Company, Chicago, Ill. Draft applying tool for portable motor-blower units. 2,586,145, Feb. 19.

"Brevets Aero-Mecaniques," S. A., assignee: *See* Kuyvenhoven, Arend W.
Maillard, Bernard.

Briscoe, Madison H., assignor of one-third to E. B. Hudson, one-third to N. H. Thompson, Jr., and one-third to M. H. Briscoe, partners, doing business as The Circular Banding Co., Athens, Ga. Yarn twist distributing machine. 2,586,294, Feb. 19.

British Insulated Callender's Cables Limited, assignee: *See* King, Albert.

British Non-Ferrous Metals Research Association, assignee: *See* Bailey, Gordon L. J., and Watkins.

Brotman, Hyman D., Detroit, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind. Strainer for washing machines. 2,586,508, Feb. 19.

Brown, Cicero C., Houston, Tex. Drilling joint. 2,585,995, Feb. 19.

Brown, Denis E.: *See* Grayson, Harry, and Brown.

Brown, Frederick E., Hyde, England. Machine and process for compounding rubber or like mixes. 2,586,607, Feb. 19.

Brown, Robert J., A. R. Nees, and A. N. Bennett, assignors to The Great Western Sugar Company, Denver, Colo. Recovery of nitrogenous and other compounds. 2,586,295, Feb. 19.

Brown, Robert L., Ferndale, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Molding fastener. 2,585,996, Feb. 19.

Browne, Thomas E., Jr.: *See* Baker, Benjamin P., and Browne.

Browning, Roe V., and C. F. Badgley, said Badgley assignor of 25 percent to O. R. Tschache and 25 percent to J. W. Tschache, Bozema, Mont. Ratchet mechanism for wrenches, screw drivers, and the like. 2,586,296, Feb. 19.

Browning, Val A., Ogden, Utah. Carrier latch for repeating firearms. 2,586,509, Feb. 19.

Bruewer, Henry, assignor to The Schaible Company, Cincinnati, Ohio. Faucet spout. 2,585,997, Feb. 19.

Brummer, Olin, Oak Park, Ill. Sealing unit. 2,586,297, Feb. 19.

Bruns, Herbert F., assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine plate clamp. 2,586,146, Feb. 19.

Brun, Max A., Rombas, and L. F. Sauvage, Homecourt, assignors to Compagnie des Forges et Acieries de la Marine et d'Homecourt (Societe Anonyme), and Societe Lorraine des Acieries de Rombas (Societe Anonyme), Paris, France. Distributing device for the charge of shaft furnaces. 2,586,298, Feb. 19.

Bryan Full Fashioned Mills, Incorporated, assignee: *See* Cobert, Arthur J.

Bryant, Ozro N., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reheater control for turbine apparatus. 2,586,510, Feb. 19.

Bryant, Ozro N., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reheater control for turbine apparatus. 2,586,511, Feb. 19.

Bryson, Martha A., Arcadia, Calif. Teething mitten for babies. 2,586,608, Feb. 19.

Buckle, Richard H., executor: *See* Hewitt, Donald H., and Armitage.

Buckley, Daniel F., Belmont, Mass. Gas conversion apparatus. 2,586,416, Feb. 19.

Budd Company, The, assignee: *See* Greenshields, Robert O., Schmidt, and Kay.

Builders Iron Foundry, assignee: *See* Hagenau, Walter A.

Bulsman, Jan A. K., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparing 7-halogen sterol esters. 2,585,998, Feb. 19.

Bunch, Tillman T., Ashland, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,585,999, Feb. 19.

Bunny Bear, Inc., assignee: *See* Linden, Samuel.
Mover, Hyman.

Burgess, Thomas: *See* Rooksby, William H., Homer, and Burgess.

Burke, Edward W., Jr., Flushing, N. Y., assignor to Sylvania Electric Products Inc. Point-contact electrical device. 2,586,609, Feb. 19.

Burndy Engineering Company, Inc., assignee: *See* Matthysse, Irving F.

Burnelli, Vincent J., Englewood, N. J. Airplane provided with jet propulsion means. 2,586,299, Feb. 19.

Burtner, Robert R., and W. M. Selby, Skokie, assignors to G. D. Searle & Co., Chicago, Ill. Cyclohexyl-amino-alcohols. 2,586,512, Feb. 19.

Busch, Aloysius J., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crossbar telephone system. 2,585,904, Feb. 19.

Buschow, Herman F., North Arlington, and P. C. Keith, Peapack, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y. Regenerator for the recovery of the cold content of gases. 2,585,912, Feb. 19.

Butler, Ward, Miami, Fla. Spinal relaxation couch. 2,586,610, Feb. 19.

Butler, William F., Oakland, assignor to Cutter Laboratories, Berkeley, Calif. Blood filter and drip meter. 2,586,513, Feb. 19.

Cadwell, Clarence J., Carpinteria, and F. M. Adamson, Los Angeles, assignors to The Cadwell Corporation, Beverly Hills, Calif. Automatic slide changing and picture dissolving mechanism for still picture projectors. 2,586,611, Feb. 19.

Cadwell Corporation, The, assignee: *See* Cadwell, Clarence J., and Adamson.

Caldwell, James R., assignor to The Wooster Rubber Company, Wooster, Ohio. Sink mat. 2,586,612, Feb. 19.

Calumet and Hecla Consolidated Copper Company, assignee: *See* Hill, Walter P.

Calvert, Bert, Los Angeles, Calif. Dipper-stick crowding means for excavators. 2,586,000, Feb. 19.

Camillo, Edward, Philadelphia, Pa. Stocking. 2,586,204, Feb. 19.

Campbell, John F., Cuyahoga Falls, Ohio. Collapsible V-belt mold. 2,586,300, Feb. 19.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magnetic pickup head and mount therefor. 2,585,913, Feb. 19.

Candella, Joseph S.: *See* St. Maurice, Armand, and Candella.

Canno, Leonard E., New York, assignor to Equitable Paper Bag Co., Inc., Long Island City, N. Y. Making carry bags. 2,586,514, Feb. 19.

Carlton, William C., Hornchurch, England. Device for protecting and preserving the tires of wheeled vehicles. 2,585,914, Feb. 19.

Carpenter, Arley D., Los Angeles, and C. A. Slater, Bellflower, assignors to The Norco Co., Los Angeles, Calif. Hanger. 2,586,001, Feb. 19.

Carson, William T., Jr., Lynwood, and L. A. Williamson, Jr., Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Air cycle cooling system. 2,586,002, Feb. 19.

Carvo, Charles, deceased, Rochester, Mich.; V. V. Carvo, administratrix, assignor to herself. Simplified shoulder and sleeve construction for garments. 2,586,515, Feb. 19.

Carvo, Violet V., administratrix, assignee: *See* Carvo, Charles.

Cascades Plywood Corporation, assignee: *See* Uschmann, Curt.

Caserta, Michele, Lake Orion, Mich. Reaction type valve. 2,586,147, Feb. 19.

Caslor, John D., St. Vital, Manitoba, Canada. Duck hunter's drag. 2,586,003, Feb. 19.

Castle, Eli N., South Orange, N. J. Foldable cardboard bottle carrier. 2,586,301, Feb. 19.

Celanese Corporation of America, assignee: *See*—
Groombridge, Walter H., and Hunter.
Speakman, John B., and Crummett.

Chamberlain Corporation, assignee: *See*—
Etten, Nicholas L.

Chamberlin, Reginald H. D., assignor to D. Napier & Son Limited, London, England. Fuel supply system for internal-combustion engines. 2,586,004, Feb. 19.

Chambersburg Engineering Company, assignee: *See*—
Alcorn, Robert L., Jr.

Chattanooga Medicine Co., The, assignee: *See*—
Hastings, Ward E.

Chavannes Industrial Synthetics, Inc., assignee: *See*—
Chavannes, Marc A.

Chavannes, Marc A., Pompton Lakes, N. J., assignor to Chavannes Industrial Synthetics, Inc., New York, N. Y. Apparatus and method for embossing thermoplastic film. 2,585,915, Feb. 19.

Chemectron Corporation, assignee: *See*—
Schwartzman, Louis H.
Schwartzman, Louis H., and Woods.

Chemstrand Corporation, The, assignee: *See*—
Lytton, Marion R.

Christensen, Dusinus P., Aalborg, Denmark. Device for darning purposes. 2,586,302, Feb. 19.

Ciba Limited, assignee: *See*—
Kern, Walter, Sutter, and Holbor.
Schibler, Luzius.

Cincinnati Milling Machine Co., The, assignee: *See*—
Mathews, Jack S.

Circular Banding Co., The, assignee: *See*—
Briscoe, Madison H.

Clark, Fred H., Kinver, and C. A. Lees, Pensnett, England. Removal of air from finely divided material before consolidation under pressure. 2,586,148, Feb. 19.

Clark, Richard L.: *See*—
Baker, Robert C., and Clark.

Clarke, Eric T., Lexington, assignor to Tracerlab, Inc., Boston, Mass. Radiation type thickness gauge. 2,586,303, Feb. 19.

Clarke, John S.: *See*—
Watson, Ernest A., and Clarke.

Clary Multiplier Corporation, assignee: *See*—
Petit, William H.

Cleary, W. A., Corporation, assignee: *See*—
Sartoretto, Paul A.

Clopay Corporation, assignee: *See*—
Hyde, Robert W.

Clow, James B., & Sons, assignee: *See*—
Kurtz, Ralph W.

Coakley, Arthur T., Catonsville, Md. Apparatus for combining finely divided solid material with liquid. 2,586,613, Feb. 19.

Cobert, Arthur J., assignor of fifty per cent to Bryan Full Fashioned Mills, Incorporated, Chattanooga, Tenn. Magnetically operated thread finger drive. 2,586,205, Feb. 19.

Cobine, James D., Schenectady, N. Y., assignor to General Electric Company. Inert gas arc welding electrode. 2,586,516, Feb. 19.

Coble, Ernest L., East Cleveland, assignor to The Star Welding & Manufacturing Company, Inc., Cleveland, Ohio. Scaffold jack and ladder. 2,586,149, Feb. 19.

Coburn, Everett R.: *See*—
Hershberg, Emanuel B., and Coburn.

Cofek, Henry J., Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Friction material and making same. 2,586,150, Feb. 19.

Cole, Henry B., East Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass. Clamping device for adjustable headrests. 2,586,417, Feb. 19.

Coleman, Joseph E., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Crystal analysis apparatus. 2,585,916, Feb. 19.

Coles, Walter H., assignor to The Skinner Irrigation Company, Troy, Ohio. Water distributing device. 2,586,517, Feb. 19.

Colgate-Palmolive-Peet Company, assignee: *See*—
Apperson, Lester D.
Apperson, Lester D., and Richardson.

Collette, William K., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Truck rim design. 2,586,206, Feb. 19.

Collier, George H., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Mechanical aircraft brake. 2,586,518, Feb. 19.

Collini, Ruth W., New York, N. Y. Undergarment. 2,586,614, Feb. 19.

Collins Radio Company, assignee: *See*—
May, Richard W.

Collins, Samuel C., Watertown, Mass., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Accumulator. 2,586,207, Feb. 19.

Collins, Thomas W., Jr., Iselin, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Lime-free calcium arsenate and gamma benzene hexachloride insecticide and method. 2,586,519, Feb. 19.

Colonial Radio Corporation, assignee: *See*—
Nauth, Edgar K.

Colonna, Angelo, Philadelphia, Pa. Glass washing basket. 2,586,005, Feb. 19.

Coltman, John W., and R. L. Longini, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protection of phosphors from attack by alkali vapors. 2,586,304, Feb. 19.

Commonwealth Engineering Company of Ohio, The, assignee: *See*—
Toulmin, Harry A., Jr.

Compagnie des Forges et Acieries de la Marine et d'Homecourt (Societe Anonyme), assignee: *See*—
Brun, Max A., and Sauvage.

Compagnie Francaise de Raffinage (Societe Anonyme), assignee: *See*—
Woog, Paul.

Compagnie Generale de Geophysique, Latour Maubourg, assignee. *See*—
Kunetz, Géza.

Conti, John D., Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del. Packaging machine. 2,586,006, Feb. 19.

Continental Foundry & Machine Company, assignee: *See*—
Hibner, De Los E.

Copenhaver, John W., Short Hills, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Synthesis of vitamin A and intermediates therefor. 2,586,305, Feb. 19.

Copenhaver, John W., Short Hills, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Synthesis of vitamin A and intermediates therefor. 2,586,306, Feb. 19.

Corallo, Gaetano, Los Angeles, Calif. Making stitchless embossed fabrics. 2,586,208, Feb. 19.

Coretti, Giacomo, assignor to Dalmine S. A., Dalmine, Italy. Rotating cutting device. 2,586,209, Feb. 19.

Cornell-Dubilier Electric Corporation, assignee: *See*—
Hings, Donald L.

Corwin, Howard D., Jackson, assignor to The Lith-I-Bar Company, Holland, Mich. Pallet feeder mechanism for concrete block machines. 2,586,210, Feb. 19.

Coskey, Edward P., Detroit, Mich. Tire valve. 2,586,455, Feb. 19.

Costello, Edwin J., Baldwin, N. Y., assignor to Radio Corporation of America. Electronic switching. 2,586,151, Feb. 19.

County Commercial Cars Limited, assignee: *See*—
Tapp, Ernest T. J., and Davey.

Cram, Harkness W., Pelham, and J. O. Forster, assignors, by mesne assignments, to Heli-Coil Corporation, Long Island City, N. Y. Wire coil insert with tapered end. 2,586,007, Feb. 19.

Crane, Denis P.: *See*—
Ford, Ronald M., and Crane.

Crede, Charles E., Winchester, assignor to The Barry Corporation, Cambridge, Mass. Seismic frame structure. 2,586,307, Feb. 19.

Cribben and Sexton Company, assignee: *See*—
Gillette, Benjamin A.
Zaltzman, Arthur.

Crompton & Knowles Loom Works, assignee: *See*—
Dion, Raymond F.
Howe, Donald W., Jr., and Sepavich.
Moss, Charles W.
Moss, Charles W., and Blanchard.
Paul, Frederick W.

Cross, Sherwood T., Elsmere, Del., dedicated to the People of the United States of America by The Pennsylvania Manufacturing Confectioners' Association, assignee, by mesne assignments. Bloom inhibited chocolate. 2,586,615, Feb. 19.

Crucible Steel Company of America, assignee: *See*—
Ferm, John F.

Crummett, Alan: *See*—
Speakman, John B., and Crummett.

Cunningham, Frederick W., Stamford, Conn., assignor to Arma Corporation, Brooklyn, N. Y. Numeral wheel aligning mechanism. 2,586,520, Feb. 19.

Curd, Francis H. S.: *See*—
Ainley, Arthur D., Birtwell, and Curd.
Ainley, Arthur D., and Curd.
Barton, Norman, Birtwell, and Curd.
Hepworth, Walter, and Curd.
Stacey, Gilbert J., Thompson, Vasey, and Curd.

Curd, Francis H. S., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of quaternary salts of pyrimidylaminoquinolines. 2,585,917, Feb. 19.

Curd, Muriel R., executrix: *See*—
Ainley, Arthur D., Birtwell, and Curd.
Barton, Norman, Birtwell, and Curd.
Hepworth, Walter, and Curd.
Stacey, Gilbert J., Thompson, Vasey, and Curd.

Currie, Chester C., assignor to Dow Corning Corporation, Midland, Mich. Release agent. 2,586,211, Feb. 19.

Curtis, John R., Nashotah, Wis. Making shuttle blocks. 2,586,308, Feb. 19.

Cushman, James S., assignee: *See*—
Dickey, Charles N.
Freedman, Benjamin H.
Freedman, Benjamin H., and Heggedal.
Heggedal, Emil J.

Cutter Laboratories, assignee: *See*—
Butler, William F.
Washburn, Dan D., and Elder.

Czeropski, Walter P., Jr., Chicago, and R. O. Gray, Broadview, Ill., assignors to Zenith Radio Corporation. Television receiver image-size control switch. 2,586,521, Feb. 19.

Dahlman, Verner, New Lennox, Ill., assignor to American Air Filter Company, Inc., Louisville, Ky. Continuous imbricated panel type filter. 2,586,616, Feb. 19.

Dales, George F., assignor of 49 per cent to A. R. Wells, Akron, Ohio. Double arm thermostat. 2,586,309, Feb. 19.

Dalmine S. A., assignee: *See*—
Coretti, Giacomo.

Dalton, Masten R., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Compositions comprising solutions of acrylonitrile polymers. 2,585,918, Feb. 19.

Danly, George I., Elmhurst, assignor to Danly Machine Specialties, Inc., Chicago, Ill. Sealing construction for fluid pressure operated brake and clutch assemblies. 2,586,617, Feb. 19.

Danly Machine Specialties, Inc., assignee: *See*—
Danly, George I.

Dart, Jack C., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis process. 2,586,618, Feb. 19.

Daugherty, Jesse: *See*—
Kroeger, Edward W., and Daugherty.

Davey, Joseph: *See*—
Tapp, Ernest T. J., and Davey.

Davis, Elmer W., Newton Center, assignor to American Locker Company, Inc., Boston, Mass. Checking cabinet. 2,585,919, Feb. 19.

Davis, Ernest W., River Forest, Ill. Manually operated control valve for lubricating apparatus. 2,586,456, Feb. 19.

Davis, Flavius E., III, Jackson, Mich. Meter testing apparatus. 2,586,008, Feb. 19.

Davis, John K., East Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass. Two element photographic lens system. 2,586,418, Feb. 19.

Davis, Wilfred O., Cricklewood, London, assignor to S. Smith & Sons (England) Limited, London, England. Float drive mechanism for liquid level indicators. 2,586,619, Feb. 19.

De Benedictis, Aldo: *See*—
Luten, Daniel B., Jr., and De Benedictis.

Deere & Company, assignee: *See*—
Bjerkan, Arthur J.

De Hart, William S., Philadelphia, Pa. Apparatus for supporting and washing Venetian blinds. 2,586,620, Feb. 19.

De Laage, Albin, Paris, France. Two-cycle internal-combustion engine. 2,586,621, Feb. 19.

Dennis, William A., Cameron, S. C. Tractor-operated saw. 2,586,622, Feb. 19.

Derrick, Harriet F., assignee: *See*—
Kessler, Lee H.

Détrez, René, Nogent-sur-Marne, France. Hydraulic control system. 2,586,623, Feb. 19.

Detroit Harvester Company, assignee: *See*—
Hale, Clifford E., and McKenna.
McLeod, Stewart B.

Deutsch, Walter (Yehuda) administrator: *See*—
Dishon, Binyamin R., and Goldschmidt.

De Vlieg, Howard R., Grosse Pointe Woods, Mich., and P. T. Angell, assignors to Thompson Products, Inc., Cleveland, Ohio. Impeller trough milling machine and method. 2,585,920, Feb. 19.

Diamond Alkali Company, assignee: *See*—
Baxter, George E.

Dickey, Charles N., Northville, Mich., assignor, by mesne assignments, to J. S. Cushman, New York, N. Y., and H. F. Moonert, Willoughby, Ohio. Interchangeable letter display device. 2,586,009, Feb. 19.

Dieke, Gerhard H., Baltimore, Md., assignor to the United States of America as represented by the United States Atomic Energy Commission. Isotope analysis. 2,585,901, Feb. 19.

Dietert, Harry W., J. A. Schuch, and R. E. Steinmueller, assignors to Harry W. Dietert Company, Detroit, Mich. Laboratory drying oven. 2,586,624, Feb. 19.

Dietert, Harry W., Company, assignee: *See*—
Dietert, Harry W., Schuch, and Steinmueller.

Dill, Everett C., Arlington, S. Dak., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Blocking oscillator. 2,586,310, Feb. 19.

Dion, Raymond F., Leominster, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Combined electric protection and warp stop for looms. 2,586,311, Feb. 19.

Dishon, Binyamin R.: *See*—
Dishon, Binyamin R., and Goldschmidt.

Dishon, Binyamin R., deceased, and F. Goldschmidt, Rehovoth, Palestine: I. E. Dishon and W. (Yehuda) Deutsch, administrators of said B. R. Dishon. Polyphosphonitrilic esters and their preparation. 2,586,312, Feb. 19.

Dishon, Irene E., administratrix: *See*—
Dishon, Binyamin R., and Goldschmidt.

Ditesheim, Edouard, La Chaux de Fonds, Switzerland. Watch movement fastener. 2,586,419, Feb. 19.

Dittman, Albert L.: *See*—
Miller, William T., Dittman, and Reed.

Ditto, Incorporated, assignee: *See*—
Bruns, Herbert F.

Divoll, Richard L., Haworth, assignor to Bendix Aviation Corporation, Teterboro, N. J. Velocity and direction indicator. 2,586,010, Feb. 19.

Dobson, William A., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Adjustable paper guide. 2,586,522, Feb. 19.

Doelter, Gandolph, Paris, France, assignor to V. Trust, Vaduz, Liechtenstein. Producing a soft, flexible, and resilient surface layer on bodies of a hard, nonresilient material and bodies produced thereby. 2,586,011, Feb. 19.

Dormeyer Corporation, assignee: *See*—
Schwaneke, Fred C.

Dorton, John M., Bonner Springs, Kans. Adjustable vehicle seat. 2,586,012, Feb. 19.

Dorton, John M., Bonner Springs, Kans. Combined spring seat and back structure. 2,586,013, Feb. 19.

Dow Corning Corporation, assignee: *See*—
Currie, Chester C.

Downey, Virgil M., Clarksburg, W. Va. Apparatus for treating materials by ultraviolet radiation. 2,586,625, Feb. 19.

Draper Corporation, assignee: *See*—
Flamand, Maurice R.

Dubowski, Edward V.: *See*—
Wummel, Clarence H., and Dubowski.

Dudley, Edmond R., Jr., San Jose, Calif. Can unscrambler. 2,586,523, Feb. 19.

Duncan, William M., Alton, Ill. Apparatus for making steel castings. 2,586,212, Feb. 19.

Dunn, Elman R., Waynesboro, Pa. Soap ring and holder therefor. 2,586,626, Feb. 19.

Dunphy, Clifford G., Centre Township, St. Joseph County, Ind. Dust collector for paper machines. 2,586,014, Feb. 19.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Adelman, Robert L.
Barnhart, George, and Grimble.
Emmick, Robert D.
Franta, William A.
Gray, Allen G.
Gresham, William F.
Horn, Gerald B., and Lewis.
Hyson, Archibald M.
Llewellyn, Walter E.
McAlevy, Ambrose.
Rosenberg, Hans R.
Skiles, Benjamin F.
Winter, Charles H., Jr.

Dussardier, Claude J., Chicago, Ill. Painter's kit. 2,586,524, Feb. 19.

Dutcher, Harris A.: *See*—
Alexander, Cruzan, and Dutcher.

Dwyer, F. W., Mfg. Co., assignee: *See*—
Dwyer, James G.

Dwyer, James G., Deerfield, Ill., assignor to F. W. Dwyer Mfg. Co. Gas testing instrument. 2,586,313, Feb. 19.

Eastman Oil Well Survey Company, assignee: *See*—
Jackson, John G.

Easy Washing Machine Corporation, assignee: *See*—
Scheele, Charles C.

Eccles, Forrest K., Reno, Nev. Bathythermograph pen lifting attachment. 2,585,921, Feb. 19.

Edwards, Charles R., deceased, Houston, Tex.; F. R. Edwards, executrix. Pipe releasing means. 2,586,015, Feb. 19.

Edwards, Charles Ross: *See*—
Edwards, Charles R.

Edwards, Frances R., executrix: *See*—
Edwards, Charles R.

Edwards, Harold, and G. H. Goodemote, assignors to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window frame and sash assembly. 2,586,525, Feb. 19.

Edwards, O. M., Company, Inc., The, assignee: *See*—
Axe, Daniel E.
Edwards, Harold, and Goodemote.

Ehrenreich, Frank C., and H. W. Anderson, Chicago, Ill. Twin urn for making coffee and the like. 2,586,152, Feb. 19.

Eisman, Ewen & Rose, Inc., assignee: *See*—
Eisman, Irving.

Eisman, Irving, assignor to Eisman, Ewen & Rose, Inc., New York, N. Y. Bridge table cover. 2,586,153, Feb. 19.

Ekco Products Company, assignee: *See*—
Zimmer, Myron J.

Elder, Wayne L.: *See*—
Washburn, Dan D., and Elder.

Electric & Musical Industries Limited, assignee: *See*—
Blumlein, Alan D.
White, Eric L. C.

Electro-Glide Company, Inc., The, assignee: *See*—
Steven, Glenn A.

Electrolux Corporation, assignee: *See*—
Ell, Lars J. F.

Elgin Sweeper Company, assignee: *See*—
Mott, Carl W.

Ell, Lars J. F., Stockholm, Sweden, assignor to Electrolux Corporation, Old Greenwich, Conn. Bearing. 2,586,627, Feb. 19.

Ellerbeck, Grant C., Hayward, Calif., assignor to Friden Calculating Machine Co., Inc. Printing mechanism for adding machines. 2,586,420, Feb. 19.

Ellis, Arthur G., Longton, Stoke-on-Trent, England. Apparatus for shaping clayware. 2,586,628, Feb. 19.

Ellis, George P., Vancouver, British Columbia, Canada. Selective telephonic music distributing system and apparatus. 2,586,213, Feb. 19.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Hermetically sealed alkaline dry cell. 2,585,922, Feb. 19.

Emberson, Keith L.: *See*—
Lepp, Gerhard J., Bateman, and Emberson.

Emery, William M., Summit, N. J., assignor to The Rotor Tool Company. Roller device impact clutch. 2,586,314, Feb. 19.

Emhart Manufacturing Company, assignee: *See*—
Peller, Karl E.

Emmick, Robert D., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Racemization of amino acid. 2,586,154, Feb. 19.

Enabnit, Robert S., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Air bag electrode construction for radio-frequency heating of pneumatic tires. 2,586,526, Feb. 19.

Enduro Metal Awning Corporation of America, assignee: *See*—
Fields, Frank.
Hughes, Frank W.

Enger, Clifford E.: *See*—
Weseman, Chester A., and Enger.

Engineering Research Corporation, assignee: *See*—
Barret, William M.

Englert, Ralph A., Mill Hall, assignor to Sylvania Electric Products Inc., Emporium, Pa. Grid cutting and forming machine. 2,586,629, Feb. 19.

Epler, Frederick J., Santa Monica, and H. J. Pfau, Hollywood, Calif. Combined pocket cigarette case and ash tray. 2,585,923, Feb. 19.

Epstein, Max, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Stretchable belt. 2,586,457, Feb. 19.

Equitable Paper Bag Co., Inc., assignee: *See*—
Canno, Leonard E.

Erlund, Gustave G., and A. B. Pearson, Pittsburgh, Pa., assignors to United States Steel Company. Booster apparatus for conveyer drives. 2,586,630, Feb. 19.

Esch, Carleton B., Indianapolis, Ind. Automobile window armrest. 2,586,631, Feb. 19.

Eskola, Edmund A., deceased, Bothell, Wash.; L. M. Eskola, administratrix of said E. A. Eskola. Dispenser for insect-repellent material. 2,586,761, Feb. 19.

Eskola, Lempi M., administratrix: *See*—
Eskola, Edmund A.

Esposito, Mario, Gloversville, N. Y. Combined clothesline, pulley, and clothespin. 2,586,632, Feb. 19.

Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer. 2,586,155, Feb. 19.

Evans, Evan F., assignor to Hercules Powder Company, Wilmington, Del. Acetylation of cellulose. 2,586,633, Feb. 19.

Evans, Sidley O.: *See*—
Ratcliffe, Temple W., and Evans.

Evers, Dundred D., La Jolla, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Computing device. 2,586,421, Feb. 19.

Ewaldson, Waldemar C., Millington, and J. N. Selvig, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Pulp insulating machine. 2,586,634, Feb. 19.

Ex-Cell-O Corporation, assignee: *See*—
Stewart, Gilbert.

Eyt, Eugène, Pamiers, Ariege, and L. Reygagne, Decazeville, Aveyron, assignors to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. Treatment process for hypereutectic cast irons. 2,586,315, Feb. 19.

FKG Fritz Kesselring Geratebau Aktiengesellschaft Bachtobel-Weinfelden, assignee: *See*—
Kesselring, Fritz.

Fafnir Bearing Company, The, assignee: *See*—
Reynolds, Harry R., and Bidwell.

Fallor, Charles W., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Railway traffic controlling apparatus. 2,586,458, Feb. 19.

Fairchild Camera and Instrument Corporation, assignee: *See*—
Roters, Herbert C.

Fairey Aviation Company Limited, The, assignee: *See*—
Garrard, Ernest C., and Harrold.

Faith, Herman E., New Palestine, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. 3,3'-methylenebis (4-hydroxybenzenearsonic acid) and its production. 2,586,316, Feb. 19.

Fanning, Jack, Atlanta, Ga. Duplex steam condenser. 2,586,016, Feb. 19.

Farr, Henry V., Ferguson, Mo., and J. R. Ruhoff, Oak Ridge, Tenn., assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Ammonium thiosulfate. 2,586,459, Feb. 19.

Farrel-Birmingham Company, Inc., assignee: *See*—
Gasser, Emil R., and Hedman.

Fay, Joseph W., Villa Park, assignor of one-half to I. J. Mendels, Evanston, Ill. Screw operated jar cap wrench. 2,586,214, Feb. 19.

Fay, Walter M., Ludlow, Mass. Unitary device for selectively actuating multiple triggers. 2,586,317, Feb. 19.

Federico, Joseph B., New Baltimore, Mich., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Necktie holder. 2,586,215, Feb. 19.

Fellows Medical Manufacturing Company, Inc., assignee: *See*—
Meyer, Arthur E.

Ferdinand, Georges: *See*—
Quercia, Marcel, and Ferdinand.

Ferguson, Harry C.: *See*—
Geddes, John W., and Ferguson.

Ferguson, Kenneth C., assignor to Inland Container Corporation, Indianapolis, Ind. Paperboard box cover lock. 2,586,156, Feb. 19.

Ferm, John F., Midland, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Coiler drum for rolling mills and the like. 2,586,527, Feb. 19.

Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Color control system. 2,586,635, Feb. 19.

Fields, Frank, Chicago, Ill., assignor to Enduro Metal Awning Corporation of America, Charleston, W. Va. Awning structure. 2,586,318, Feb. 19.

Fillman, Harvey F.: *See*—
Keck, Robert W., and Fillman.

Finlay, Alexander C., Long Island City, and B. A. Sobin, New York, assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Netropsin and its production. 2,586,762, Feb. 19.

Firestone Tire & Rubber Company, The, assignee: *See*—
Collette, William K.

Fischer, Richard C., and O. D. Litsch, Chicago, Ill., said Litsch assignor to said Fischer. Fly tier's vise. 2,586,636, Feb. 19.

Fisher, Berne N., New York, N. Y., assignor to General Instrument Corporation, Elizabeth, N. J. Tone arm indexing apparatus. 2,586,422, Feb. 19.

Fitch, Edward W., Poland, Ohio, assignor to Bailey Meter Company. Fluid pressure relay. 2,586,637, Feb. 19.

Flamand, Maurice R., Central Falls, R. I., assignor to Draper Corporation, Hopedale, Mass. Filling carrier for shuttleless looms. 2,586,638, Feb. 19.

Foote, Alton G., Wickliffe, Ohio, assignor to General Electric Company. Electric device continuity tester. 2,586,319, Feb. 19.

Ford, Frank R., Limited, assignee: *See*—
Ford, Ronald M., and Crane.

Ford, James G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making core and coil assemblies. 2,586,320, Feb. 19.

Ford, Ronald M., Sparkbrook, Birmingham, England. One revolution clutch for machines. 2,586,460, Feb. 19.

Ford, Ronald M., and D. P. Crane, Sparkbrook, Birmingham, said Crane assignor to Frank R. Ford Limited, Birmingham, England. Wick moistening means for duplicating machines. 2,586,461, Feb. 19.

Forster, Leslie G., Ealing, London, England. Machine for cutting lengths from strips of thin material. 2,586,462, Feb. 19.

Forster, John O.: *See*—
Cram, Harkness W., and Forster.

Foss, Arthur C., Trenton, N. J. Weatherproof folding chair. 2,586,216, Feb. 19.

Foulke, Ted E., Chagrin Falls, Ohio, assignor to General Electric Company. Thermal starting switch. 2,586,321, Feb. 19.

Fox, Gerald B.: *See*—
Meeker, David A., Fox, and Sullenberger.

Frais, Sam: *See*—
Frais, Samuel.

Frais, Samuel, usually known as Sam Frais, assignor to Parapads Limited, London, England. Shoulder pad for garments. 2,586,423, Feb. 19.

Frantz, William A., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Controlling chain branching during ethylene polymerization. 2,586,322, Feb. 19.

Freedman, Benjamin H., Asbury Park, N. J., and E. J. Heggedal, Lynbrook, N. Y., assignors, by mesne assignments, to J. S. Cushman, New York, N. Y., and H. F. Moonert, Willoughby, Ohio. Game. 2,585,924, Feb. 19.

Freedman, Benjamin H., Asbury Park, N. J., assignor, by mesne assignments, to J. S. Cushman, New York, N. Y., and H. F. Moonert, Willoughby, Ohio. Game. 2,586,017, Feb. 19.

Freimark, Leopold, New York, N. Y. Centering gauge. 2,586,639, Feb. 19.

Friden Calculating Machine Co., Inc., assignee: *See*—
Ellerbeck, Grant C.

Friend, Albert W., Princeton, N. J., assignor to Radio Corporation of America. High-voltage power supply. 2,586,018, Feb. 19.

Friend, Albert W., and F. H. Nicoll, Princeton, N. J., assignors to Radio Corporation of America. Electron beam deflection system. 2,586,463, Feb. 19.

Frohlich, Willy O., Philadelphia, Pa. Marine propelling and steering mechanism. 2,586,019, Feb. 19.

Fry, Horace P., Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Stroke variation device for winding machines. 2,586,020, Feb. 19.

Furman, Eugene C., Hampton, Va. Leak sealing device. 2,586,640, Feb. 19.

Fusco, Carlo J., San Francisco, Calif. Center screw filter. 2,586,021, Feb. 19.

Gabrielsen, Christian, assignor to Rowe Manufacturing Co., Inc., Whippany, N. J. Advertising display clock. 2,586,641, Feb. 19.

Gagnon, George E., Metuchewan, Ontario, Canada. Mine cage safety device. 2,586,217, Feb. 19.

Gair, Robert, Company, Inc., assignee: *See*—
Troth, John S.

Galbrecht, Frank I.: *See*—
Sabel, Edward R., and Galbrecht.

Galinski, Leo L.: *See*—
Henry, Earle G., and Galinski.

Gallagher, William P., assignor to International Register Company, Chicago, Ill. Electric alarm clock. 2,586,642, Feb. 19.

Gallenkamp, Norma B., Houston, Tex. Machine for making emulsions. 2,585,925, Feb. 19.

Garis, Chester A.: *See*—
Yoder, William C., and Garis.

Garlow, Harry, Flemington, N. J. Combined auto mirror, radio antenna, light, and directional signal construction. 2,586,643, Feb. 19.

Garrard, Ernest C., Maidenhead, and K. G. Harrold, Taplow, assignors to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Rotary blade safety razor. 2,586,022, Feb. 19.

Gasser, Emil R., Buffalo, and G. H. Hedman, Kenmore, assignors to Farrel-Birmingham Company, Inc., Buffalo, N. Y. Vibration degenerating device. 2,586,157, Feb. 19.

Gasser, John W., assignee: *See*—
Horsky, Milo.

Gaylord Products, Incorporated, assignee: *See*—
Weaver, Ruth K., and Thatcher.

Gazda, Antoine, Providence, R. I. Track pontoon. 2,586,218, Feb. 19.

Gazette, Marshall E., Roslindale, assignor to Hercules Container Corp., Boston, Mass. Tube sectioning machine. 2,586,424, Feb. 19.

Geddes, John W., Boston, and H. C. Ferguson, Melrose, assignors to H. K. Porter, Inc., Somerville, Mass. Adjusting fitting for tool assemblies for reshaping deformed automobile body parts. 2,586,158, Feb. 19.

Geffas, Theodore, Ogden, Utah. Hernia stay. 2,586,219, Feb. 19.

Gelb, Herbert, assignor to Joseph Gelb Company, New York, N. Y. Camera and stand therefor. 2,585,927, Feb. 19.

Gelb, Joseph, Company, assignee: *See*—
Gelb, Herbert.

General Aniline & Film Corporation, assignee: *See*—
Copenhaver, John W.
Hensley, Lee C.
Kaszuba, Frank J.

General Controls Co., assignee: *See*—
Paille, Eugene.
Ray, William A.

General Electric Company, assignee: *See*—
Alexanderson, Ernst F. W.
Barkis, Charles E.
Bixler, Harley H.
Cobine, James D.
Foote, Alton G.
Foulke, Ted E.
Granfield, John C.
Gruen, Wolf J.
Harty, Edgar A.
Kuebler, Robert A.
Page, Richard S.
Waguet, Philippe.

General Instrument Corporation, assignee: *See*—
Fisher, Berne N.

General Mills, Inc., assignee: *See*—
Aske, Leonard E.

General Motors Corporation, assignee: *See*—
Schultz, Harold W.

General Radio Company, assignee: *See*—
Tuttle, William N.

Georg Fischer Aktiengesellschaft, assignee: *See*—
von Zelewsky, Ottomar.

Gerson, Benjamin S., assignor to National Formetal Company, Cleveland, Ohio. Bushing. 2,586,528, Feb. 19.

Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Fluid operated clutch. 2,586,220 Feb. 19.

Giddings & Lewis Machine Tool Company, assignee: *See*—
Kroeger, Edward W., and Daugherty.

Gilbert, Russell C., Stillwater, assignor to Telex Inc., Minneapolis, Minn. Headset. 2,586,644, Feb. 19.

Gillette, Benjamin A., Villa Park, assignor to Cribben and Sexton Company, Chicago, Ill. Ventilated range. 2,586,023, Feb. 19.

Ginzton, Edward L., W. W. Hansen, and R. H. Varian, Garden City, N. Y., assignors to The Sperry Corporation. Automatic frequency control system. 2,586,497, Feb. 19.

Girolami, Charles G., Chicago, Ill. Ceiling lighting fixture having an inverted conical reflector. 2,586,645, Feb. 19.

Glasgow, Clarence O., assignor to National Tank Company, Tulsa, Okla. Horizontal separator. 2,586,221, Feb. 19.

Glasgow, Frank T., Lexington, Va. Rowing machine. 2,586,024, Feb. 19.

Glassmire, William M., and W. R. Smith, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Inhibiting corrosion of aluminum chloride-hydrocarbon complex liquid in presence of HCl promoter with iodine compounds. 2,586,323, Feb. 19.

Gleason, Anthony H.: *See*—
Arundale, Erving, Gleason, and Banes.

Gleason Works, assignee: *See*—
Hartman, Herbert G.
Wilhaber, Ernest.

Globe Automatic Sprinkler Company, assignee: *See*—
Rowley, Arthur C.

Globe-Union Inc., assignee: *See*—
Kling, Arnold G., and Goerg.

Gluckin, Gerald W., New York, N. Y. Wired brassière. 2,586,529, Feb. 19.

Godfrey, Homer C., Chicago, Ill. Jet reaction engine of the turbine type. 2,586,025, Feb. 19.

Godfrey, James H., Berlin, assignor to The Stanley Works, New Britain, Conn. Saw blade holding means. 2,586,530, Feb. 19.

Goerg, Charles R.: *See*—
Kling, Arnold G., and Goerg.

Goldschmidt, Frieda: *See*—
Dishon, Binyamin R., and Goldschmidt.

Gomersall, John R., Elgin, and M. Ireland, near Elgin, assignors to McGraw Electric Company, Elgin, Ill. Electric iron and making of same. 2,585,928, Feb. 19.

Gomonet, Eugéne, assignor to L'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Removal of carbon dioxide from gases by cooling. 2,586,026, Feb. 19.

Goodemote, George H.: *See*—
Edwards, Harold, and Goodemote.

Goodman Manufacturing Company, assignee: *See*—
Sloane, William W.

Goodrich, B. F., Company, The, assignee: *See*—
Krotz, Alvin S.
Krupp, Carroll P.

Gordon, Donald L., Plymouth, Ind. Wheeled support having ladder assembly. 2,586,531, Feb. 19.

Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Joint. 2,586,646, Feb. 19.

Graham, William R., Jr., Kansas City, and G. O. Kohler, Mission, Kans., and R. D. Hoover, assignors to American Dairies, Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Iodinating proteins. 2,586,425, Feb. 19.

Granfield, John C., Pittsfield, Mass., assignor to General Electric Company. Working laminated metal. 2,586,532, Feb. 19.

Grant, Gordon A., Montreal, and C. von Seemann, Westmount, assignors to Ayerst, McKenna & Harrison, Limited, Montreal, Quebec, Canada. Acylated thiol esters from etiobilienic acid esters. 2,586,533, Feb. 19.

Graves, Clarence C., Clinton, Okla. Hay loading attachment. 2,586,324, Feb. 19.

Gray, Allen G., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibition of oxidation in tin solutions. 2,585,902, Feb. 19.

Gray, C. F., Baton Rouge, La., assignor to the United States of America as represented by the United States Atomic Energy Commission. Casting apparatus. 2,586,027, Feb. 19.

Gray, Preston R., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Private branch exchange trunk circuit. 2,586,534, Feb. 19.

Gray, Richard O.: *See*—
Czeropski, Walter P., Jr., and Gray.

Grayson, Harry, Longsight, Manchester, and D. E. Brown, Chilton, near Didcot, England. Radio echo moving target indicator. 2,586,028, Feb. 19.

Great Western Sugar Company, The, assignee: *See*—
Brown, Robert J., Nees, and Bennett.

Greene, Henry G., assignee: *See*—
Konikoff, Harry.

Greenshields, Robert O., Detroit, O. E. Schmidt, Grosse Pointe Woods, and J. G. Kay, Detroit, Mich., assignors to The Budd Company, Philadelphia, Pa. Apparatus for forming drop-center rims. 2,586,029, Feb. 19.

Gresham, Harold E., Little Eaton, and D. W. Hall, West Monkseaton, assignors to Rolls-Royce Limited, Derby, England. Aluminum alloy. 2,586,647, Feb. 19.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of ethanolamine. 2,586,325, Feb. 19.

Grimble, Robert W.: *See*—
Barnhart, George, and Grimble.

Grishman, Simon, Yonkers, N. Y. Adjustable strap buckle. 2,586,159, Feb. 19.

Grissinger, George G., Wilkinsburg, T. Lindstrom, Edgewood, and J. Sandin, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter trip device. 2,586,326, Feb. 19.

Groombridge, Walter H., and W. Hunter, Spondon, England, assignors to Celanese Corporation of America. Manufacture of cyanides. 2,586,030, Feb. 19.

Gruen, Wolf J., Syracuse, N. Y., assignor to General Electric Company. Synchronizing system for resonant circuit oscillators. 2,585,929, Feb. 19.

Gruen, Wolf J., Syracuse, N. Y., assignor to General Electric Company. Synchronizing system. 2,585,930, Feb. 19.

Grusell, Anders E., Enskede, H. O. A. Sandmark, and E. G. Hysing, assignors to Aktiebolaget Kontroll-instrument, Stockholm, Sweden. Galvanic primary cell. 2,586,426, Feb. 19.

Guardian Electric Manufacturing Co., assignee: *See*— Nelson, Marvin G.

Gudger, Jesse, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for slitting the margins of shoe uppers. 2,585,931, Feb. 19.

Guest, Howard L.: *See*— Salle, Anthony J., and Guest.

Haertel, William J., Oak Park, Ill. Ceiling suspension clasp hook. 2,586,327, Feb. 19.

Hagenau, Walter A., assignor to Builders Iron Foundry, Providence, R. I. Telemetric apparatus. 2,586,427, Feb. 19.

Hager, Guy Y.: *See*— Leonard, Merrill G., and Hager.

Hagopian, Richard H., Halethrope, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric heating especially for spools of rayon thread. 2,586,328, Feb. 19.

Hahne, Anna M., Warminster, Pa. Combined pillowcase and bed sheet. 2,586,031, Feb. 19.

Hale, Clifford E., Ann Arbor, and W. L. McKenna, Ypsilanti, assignors, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Locking mechanism for folding tops. 2,586,648, Feb. 19.

Haley, Edwin D., McComb, Ohio. Machine for planting grain between rows of standing corn and the like. 2,586,032, Feb. 19.

Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Metallically sheathed bucket rim. 2,586,033, Feb. 19.

Hall, Douglas W.: *See*— Gresham, Harold E., and Hall.

Haller, John, Detroit, Mich. Pressure fluid clamp. 2,586,536, Feb. 19.

Halold Company, The, assignee: *See*— Sabel, Edward R., and Galbrecht.

Halpert, Percy, Hempstead, N. Y., assignor to The Sperry Corporation. Aircraft automatic pilot. 2,586,034, Feb. 19.

Hamilton, Bert C., assignor to Hamilton Tool Co. Inc., La Grande, Oreg. Bushing replacer. 2,586,222, Feb. 19.

Hamilton Tool Co. Inc., assignee: *See*— Hamilton, Bert C.

Hammond, Wallace T. C.: *See*— Sleightholme, John J., and Hammond.

Handel, Neil E., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Reproducing apparatus. 2,586,160, Feb. 19.

Hansen, Hendrik N.: *See*— Van Eldik, Pieter F., and Hansen.

Hansen, William W.: *See*— Ginzton, Edward L., Hansen, and Varian.

Hapman, Hannah J., assignee: *See*— Hapman, Henry W.

Hapman, Henry W., assignor, by mesne assignments, of 60 percent to H. W. Hapman and 40 percent to H. J. Hapman, Detroit, Mich. Conveyer sealing device. 2,586,537, Feb. 19.

Hapman, Henry W., assignor, by mesne assignments, of 40 percent to H. J. Hapman, Detroit, Mich. Flight Conveyer structure. 2,586,538, Feb. 19.

Hare, Donald G. C., Stamford, assignor to Magnetic Equipment, Inc., Greenwich, Conn. Device for reducing noise in magnetic recording systems. 2,585,932, Feb. 19.

Harmon, Wayne A. S., Sunnyvale, Calif. Produce unwrapping device. 2,586,223, Feb. 19.

Harris, Robert L., and M. Lothrop, Berkeley, assignors to Yuba Manufacturing Company, San Francisco, Calif. Fuel burner system. 2,586,224, Feb. 19.

Harrold, Kenneth G.: *See*— Garrard, Ernest C., and Harrold.

Hart, Cecil A., Hackensack, N. J. Pocket lighter with coiled spring follower unit. 2,586,035, Feb. 19.

Hart, James L., Bartlesville, Okla., assignor to National Zinc Company, Inc., New York, N. Y. Recovery of indium values as indium arsenate. 2,586,649, Feb. 19.

Hartford National Bank and Trust Company, trustee, assignee: *See*— Asscher, Meier. Boerdijk, Arie H., and Janssen. Buisman, Jan A. K. Rinia, Herre. Stigter, Albert. Van Eldik, Pieter F., and Hansen. Willemse, Theo W. Strivens, Maurice A.

Hartman, Carlyle E., San Jose, Calif. Cold wall refrigerator with one-mesh produce containers. 2,586,225, Feb. 19.

Hartman, Herbert G., Irondequoit, assignor to Gleason Works, Rochester, N. Y. Gear cutter. 2,586,428, Feb. 19.

Harty, Edgar A., Marblehead, Mass., assignor to General Electric Company. Metal rectifier assembly. 2,586,539, Feb. 19.

Harvel Corporation, The, assignee: *See*— Wasserman, David.

Harvey, Earle M., Agawam, Mass., assignor to the United States of America as represented by the Secretary of War. Adjustable rear sight for firearms. 2,585,933, Feb. 19.

Harvill, Edward K., Essex, assignor to Ernst Bischoff Company, Inc., Ivoryton, Conn. Aminophylline fatty alcohol suppository. 2,586,329, Feb. 19.

Hastings, Ward E., assignor to The Chattanooga Medicine Co., Chattanooga, Tenn. Mechanical counting device. 2,586,161, Feb. 19.

Haswell, Walter T., Jr., United States Navy. Apparatus for measuring rapid cooling rates. 2,585,934, Feb. 19.

Haun, Joye C., deceased, San Francisco, Calif., by F. P. Mills, executrix, assignor to F. P. Mills, Wallowa, Oreg. Plug valve. 2,586,650, Feb. 19.

Hayden, Boyd, Newton, Mass. Weed guard for fishhooks. 2,586,162, Feb. 19.

Hays Manufacturing Company, assignee: *See*— Bradbury, James G.

Heaps, Stanley N.: *See*— Simon, Randolph F., and Heaps.

Hedin, Elnar, Chicago, Ill. Hair drier. 2,586,036, Feb. 19.

Hedman, Gustave H.: *See*— Gasser, Emil R., and Hedman.

Heffelfinger, Robert D., Lansdowne, Pa. Uniform strand tension device. 2,586,037, Feb. 19.

Heffelfinger, Robert D., Lansdowne, and J. A. Truitt, West Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Uniform strand tension device. 2,586,038, Feb. 19.

Heggedal, Emil J.: *See*— Freedman, Benjamin H., and Heggedal.

Heggedal, Emil J., Lynbrook, assignor to J. S. Cushman, New York, N. Y., and H. F. Moonert, Willoughby, Ohio. Combination display or supporting board and attaching parts. 2,586,039, Feb. 19.

Heiderich, Gordon F., New York, N. Y., and C. Tappan, Bloomfield, N. J. Combination hard and soft bass drum beater ball. 2,586,163, Feb. 19.

Heldenbrand, Arthur P., Oklahoma City, Okla. Water filter. 2,586,226, Feb. 19.

Heil-Coil Corporation, assignee: *See*— Cram, Harkness W., and Forster.

Henderson, Lee R., Sunnyvale, Calif. Scaffold for handling sheet material. 2,586,227, Feb. 19.

Henry, Earle G., Wilmette, and L. L. Galinski, assignors to R. T. Moloney, Chicago, Ill. Light beam gun. 2,586,330, Feb. 19.

Hensley, Lee C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Potographic emulsions containing symmetrical tetranuclear dyestuffs. 2,586,164, Feb. 19.

Hepworth, Walter, and F. H. S. Curd, deceased, Blackley, Manchester, by M. R. Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited. Quaternary salts of pyrimidylaminocinnolines and preparing same. 2,585,935, Feb. 19.

Hepworth, Walter, and F. H. S. Curd, deceased, Blackley, Manchester, by M. R. Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited. Manufacture of diquaternary salts of pyrimidylaminocinnolines. 2,585,936, Feb. 19.

Hercules Container Corp., assignee: *See*— Gazette, Marshall E.

Hercules Powder Company, assignee: *See*— Evans, Evan F.

Hershberg, Emanuel B., Stoughton, Mass., and E. R. Coburn, Bennington, Vt., assignors to the United States of America as represented by the Secretary of War. Pyrotechnical device. 2,586,228, Feb. 19.

Herzog, Carl, Belleville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material ejecting and feeding apparatus. 2,586,651, Feb. 19.

Hewitt, Donald H., deceased, and F. Armitage, London, England; E. Booth and R. H. Buckle, executors of said D. H. Hewitt, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Manufacture of interpolymers of styrene with polyhydric alcoholic mixed esters and of coating compositions obtained therefrom. 2,586,652, Feb. 19.

Hibner, De L. E., Du Bois, Pa., assignor, by mesne assignments, to Continental Foundry & Machine Company, East Chicago, Ind. Valve mechanism for soot blowers. 2,586,165, Feb. 19.

Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Replaceable firing pin for mortars. 2,586,229, Feb. 19.

Hickok Manufacturing Company, Inc., assignee: *See*— Epstein, Max.

Hickok Manufacturing Co. Inc., assignee: *See*— Federico, Joseph B.

Hicks, Seymour G., assignor to Rotary Lift Company, Memphis, Tenn. Single rail elevator guide equalizer. 2,586,464, Feb. 19.

Hill, Walter P., Pontiac, assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Producing heat exchange elements. 2,586,653, Feb. 19.

Hill, William H., Mount Lebanon, assignor to Koppers Company, Inc., Pittsburgh, Pa. Pickling inhibitor. 2,586,331, Feb. 19.

Hilstrom, Hollis R., Western Springs, Ill. Apparatus for producing drive pins. 2,586,166, Feb. 19.

Hinds, Sherwood, Columbia City, assignor of one-half to R. J. Jauch, Fort Wayne, Ind. Computing indexing mechanism. 2,586,332, Feb. 19.

Hings, Donald L., Ottawa, Ontario, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Inverter amplifier and automatic limiter. 2,586,230, Feb. 19.

Hispano Suiza (Suisse) S. A., assignee: *See*— Birkigt, Louis.

Hitachi Limited, assignee: *See*— Tange, Otoyuki, and Morita.

Hitschmann, Richard, Carrick-on-Suir, Ireland. Manhole cover securing means. 2,586,465, Feb. 19.

Hoare, Arthur, Carisbrooke, assignor to J. Samuel White & Company Limited, West Cowes, Isle of Wight, England. Ratchet gearing. 2,586,040, Feb. 19.

Hobart Manufacturing Company, The, assignee: *See*— Meeker, David A., Fox, and Sullenberger.

Hodge, John M., and R. D. Manning, Pittsburgh, Pa., assignors to United States Steel Company. Low-alloy, high-hardenability steel with high toughness at high hardness levels. 2,586,041, Feb. 19.

Hodge, John M., and R. D. Manning, Pittsburgh, Pa., assignors to United States Steel Company. Low-alloy high-yield strength weldable steel. 2,586,042, Feb. 19.

Hodgson, Richard W., Compton, and N. C. Parrish, Redondo Beach, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Kinetic boom damper. 2,586,043, Feb. 19.

Hodnette, John K., and M. G. Leonard, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker operating mechanism. 2,586,429, Feb. 19.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Tracer control valve. 2,586,654, Feb. 19.

Hoffmeister, Ernst W., Hamburg, Germany. Rotating amusement cylinder. 2,586,333, Feb. 19.

Holbro, Theodor: *See*— Kern, Walter, Sutter, and Holbro.

Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Torsion meter. 2,586,540, Feb. 19.

Holman, Arthur J., Brighton, N. Y. Equatorial polishing generator. 2,586,334, Feb. 19.

Holt, William J., Jr., assignor to Varo Mfg. Co., Inc., Garland, Tex. Saturable transformer. 2,586,657, Feb. 19.

Homer, Herbert: *See*— Rooksby, William H., Homer, and Burgess.

Hook, Edwin O., Old Greenwich, Conn., and P. H. Moss, Nederland, Tex., assignors to American Cyanamid Company, New York, N. Y. S-alkoxymethyl-O,O'-dialkyldithiophosphates. 2,586,655, Feb. 19.

Hook, Edwin O., Old Greenwich, Conn., and P. H. Moss, Seldovia, Alaska, assignors to American Cyanamid Company, New York, N. Y. S-aminoalkylidene dithiophosphoric acid triesters. 2,586,656, Feb. 19.

Hoover, Richard D.: *See*— Graham, William R., Jr., Kohler, and Hoover.

Horlick, Max, Brooklyn, N. Y. Cigarette extinguisher. 2,586,466, Feb. 19.

Hörmann, Helmut, Heubach, Germany. Back brace. 2,586,658, Feb. 19.

Horn, Gerald B., Woodbury, N. J., and H. A. Lewis, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Detonating assembly. 2,586,541, Feb. 19.

Horsky, Milo, Long Island City, assignor to J. W. Gasser, Woodside, N. Y. Taking up slack in lead screw devices. 2,586,044, Feb. 19.

Horton Manufacturing Company, assignee: *See*— Brotman, Hyman D.

Hotchner, Fred, Los Angeles, Calif. Illuminated display device with animation. 2,586,231, Feb. 19.

Hotpoint, Inc., assignee: *See*— Stoddard, Edgar S.

Housley, Evelyn C., assignee: *See*— Housley, Robert B.

Housley, Robert B., assignor of one-half to E. C. Housley, Venice, one-fourth to G. Arnold, Santa Monica, and one-fourth to A. L. Arnold, Venice, Calif. Sharpening device for lawn mowers. 2,586,659, Feb. 19.

Howe, Donald W., Jr., Ware, and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Protection for looms. 2,586,335, Feb. 19.

Howell, William C., Jr., Union, N. J., assignor to Standard Oil Development Company. Leaded fuel composition. 2,586,660, Feb. 19.

Hoza, John, Belcamp, Md. Sock-type footwear. 2,586,045, Feb. 19.

Huber, Louis C., assignee: *See*— Richeson, Sanford E., and Allegro.

Huck, Louis C., assignor to Huck Manufacturing Company, Detroit, Mich. Apparatus for and method of making tubular rivet elements. 2,586,336, Feb. 19.

Huck Manufacturing Company, assignee: *See*— Huck, Louis C.

Hudson, E. B., assignee: *See*— Briscoe, Madison H.

Huebner, William C., New York, N. Y. Filament forming apparatus. 2,586,046, Feb. 19.

Huebner, William C., New York, N. Y. Electronographic printing apparatus. 2,586,047, Feb. 19.

Hughes, Frank W., assignor to Enduro Metal Awning Corporation of America, Charleston, W. Va. Rigid awning. 2,586,337, Feb. 19.

Hunt, Dick A., Fort Oglethorpe, Ga. Bed and partition construction. 2,586,232, Feb. 19.

Hunter, William: *See*— Groombridge, Walter H., and Hunter.

Hushley, Walter J., and R. L. Longini, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus and method for dispersing a phosphor in a liquid. 2,586,338, Feb. 19.

Hvam, Hjalmar, Portland, Oreg. Ski binding. 2,586,339, Feb. 19.

Hyatt, Samuel W., assignor to The D. L. Auld Company, Columbus, Ohio. Cable tightening and reeling apparatus. 2,586,048, Feb. 19.

Hyde, Robert W., Teaneck, N. J., assignor to Clopay Corporation, Cincinnati, Ohio. Window shade roller. 2,586,340, Feb. 19.

Hydrocarbon Research, Inc., assignee: *See*— Buschow, Herman F., and Keith.

Hysing, Erik G.: *See*— Grusell, Anders E., Sandmark, and Hysing.

Hyson, Archibald M., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Producing trans-3-pentenoic acid. 2,586,341, Feb. 19.

Imperial Chemical Industries Limited, assignee: *See*— Ainley, Arthur D., Birtwell, and Curd. Ainley, Arthur D., and Curd. Barton, Norman, Birtwell, and Curd. Curd, Francis H. S. Hepworth, Walter, and Curd. Stacey, Gilbert J., Thompson, Vasey, and Curd. Vasey, Charles H.

Imperial Paper and Color Corporation, assignee: *See*— Van Wirt, Alfred E., and Jones.

Inland Container Corporation, assignee: *See*— Ferguson, Kenneth C.

Interchemical Corporation, assignee: *See*— Tyler, John E.

International Minerals and Chemical Corporation, assignee: *See*— Le Baron, Ira M., McClintock, and Lawver.

International Register Company, assignee: *See*— Gallagher, William P.

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic hydrogenation of aromatic hydrocarbons in a stainless steel reactor. 2,586,535, Feb. 19.

Ireland, Murray: *See*— Gomersall, John R., and Ireland.

Iron Fireman Manufacturing Company, assignee: *See*— Sprague, Chester E., and Judson.

Jackson, John G., assignor to Eastman Oil Well Survey Company, Denver, Colo. Directional drilling apparatus. 2,586,662, Feb. 19.

Jacob, Robert M., Ablon-sur-Seine, L. Liakhoff, Vitry-sur-Seine, and J. G. Robert, Paris, France, assignors to Societe des Usines Chimiques Rhone-Poulenc. Resolution of an amino-diol racemate. 2,586,661, Feb. 19.

Jacobs, Jules, New City, N. Y. Traction device for vehicle wheels. 2,586,049, Feb. 19.

Jacobsen, Borge, Grosse Pointe Woods, Mich. Two-cycle crankcase compression engine. 2,586,467, Feb. 19.

Janssen, Johannes M. L.: *See*— Boerdijk, Arie H., and Janssen.

Jarvis, Kenneth W., Winnetka, Ill. Tricoordinate radio direction finder. 2,586,342, Feb. 19.

Jasion, Leo Z.: *See*— McKay, John F., Yowell, and Jasion.

Jauch, Robert J., assignee: *See*— Hinds, Sherwood.

Jeffrey Manufacturing Company, The, assignee: *See*— Smith, Frank P.

Jensen, Emil, Union Grove, Wis. Valve spring compressor. 2,586,050, Feb. 19.

Jezek, Henry J., Eddy, Tex. Front tractor tire. 2,586,051, Feb. 19.

Johansson, Axel B.: *See*— Nejedly, Peter M., and Johansson.

Johnson, Frederick O., Birmingham, Mich. Cutoff mechanism. 2,586,052, Feb. 19.

Johnson Gage Company, The, assignee: *See*— Johnson, Paul W.

Johnson, Gerald C., Bronxville, and A. A. Perelman, Brooklyn, N. Y., assignors to Willson Products, Inc., Reading, Pa. Safety hat. 2,585,937, Feb. 19.

Johnson, Paul W., assignor to The Johnson Gage Company, Bloomfield, Conn. Analyzer gauge. 2,586,053, Feb. 19.

Johnson, Stanley A.: *See*— Weber, Ernst, and Johnson.

Jonas, Julius, Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Pusher turboprop exhaust system. 2,586,054, Feb. 19.
Jones, Aubrey L., assignee: *See*—
Ulrich, Solomon D.
Jones, George F.: *See*—
Van Wirt, Alfred E., and Jones.
Jordan, Lawrence W., Bay Village, Ohio. Bottle seal and filter. 2,585,938, Feb. 19.
Joy Manufacturing Company, assignee: *See*—
Collins, Samuel C.
Judisch, Carl H., assignor to The Whitney Blake Company, Hamden, Conn. Forming extensible and retractable cords. 2,586,763, Feb. 19.
Judson, Albert L.: *See*—
Sprague, Chester E., and Judson.
Juilfs, Albert G., Newtown, assignor to Senco Products, Inc., Cincinnati, Ohio. Staple driving means for portable pneumatic staplers. 2,585,939, Feb. 19.
Juilfs, Albert G., Newtown, assignor to Senco Products, Inc., Cincinnati, Ohio. Valve control system for portable pneumatic staplers. 2,585,940, Feb. 19.
Juilfs, Albert G., Newtown, assignor to Senco Products, Inc., Cincinnati, Ohio. Staple magazine and feed means for pneumatic staplers. 2,585,941, Feb. 19.
Juilfs, Albert G., Newtown, assignor to Senco Products, Inc., Cincinnati, Ohio. Staple feed mechanism for portable pneumatic staplers. 2,585,942, Feb. 19.
Kaiser, Emil, A. L. Andersen, Jr., and J. J. Svarz, assignors to Armour and Company, Chicago, Ill. Preparation of cyclic substituted synthetic estrogens. 2,586,343, Feb. 19.
Kamm, George N., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Oscillator. 2,586,167, Feb. 19.
Kanik, Rudolph M., Black River, N. Y. Machine for making manifold forms or pads. 2,586,055, Feb. 19.
Kasprow, Felix A., assignee: *See*—
Swanson, Bror W.
Kasprow, Joseph W., assignee: *See*—
Swanson, Bror W.
Kasprow, Stephen G., assignee: *See*—
Swanson, Bror W.
Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Hardening gelatin and photographic gelatin emulsions. 2,586,168, Feb. 19.
Kay, John G.: *See*—
Greenshields, Robert O., Schmidt, and Kay.
Keck, Robert W., and H. F. Fillman, Allentown, Pa. Record cutting and trimming machine. 2,586,663, Feb. 19.
Keith, Percival C.: *See*—
Buschow, Herman F., and Keith.
Kelley, Charles E.: *See*—
Wolfe, John R., and Kelley.
Keller, Philip B., Santa Monica, Calif., assignor to North American Aviation, Inc. Chart reading device. 2,586,430, Feb. 19.
Kelsey, Cadwallader W., Troy, N. Y. Auxiliary rotor for tiller gear casings. 2,586,542, Feb. 19.
Kelsey-Hayes Wheel Company, assignee: *See*—
Whitten, Owen M.
Whitten, Owen M., and Atkin.
Kennedy, John J., Richmond Hill, N. Y. Support. 2,586,543, Feb. 19.
Kern, Walter, Sissach, P. Sutter, Binningen, and T. Holbro, assignors to Ciba Limited, Basel, Switzerland. Sulfonamido alpha aroylamino derivatives of anthraquinone compounds. 2,586,233, Feb. 19.
Kesselring, Fritz, Zollikon/Zurich, Switzerland, assignor to FKG Fritz Kesselring Geratebau Aktiengesellschaft Bachtobel-Weinfelden. Variable impedance device. 2,586,544, Feb. 19.
Kessler, Lee H., assignor of one-quarter to H. F. Derrick, one-quarter to N. H. Kessler and one-quarter to N. H. Kessler, Springville, N. Y. Impact rotor for stone breakers. 2,585,943, Feb. 19.
Kessler, Nellie H., assignee: *See*—
Kessler, Lee H.
Kessler, Norman H., assignee: *See*—
Kessler, Lee H.
Kester, Ernest B.: *See*—
Van Atta, George R., Kester, and Olcott.
Keyes, John J., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phenolic-oil modified alkyd-copal resinous compositions. 2,586,344, Feb. 19.
King, Albert, assignor to British Insulated Callender's Cables Limited, London, England. Electric cable having a nonmigratory insulating compound. 2,586,345, Feb. 19.
King, Harry W., Sycamore, Ill. Holder and dispenser for coiled goods. 2,586,346, Feb. 19.
Kline, Raymond V., assignor to Patent Management Inc., Minneapolis, Minn. Apparatus for controlling and measuring the concentration of solutions. 2,586,169, Feb. 19.
Kling, Arnold G., and C. R. Goerg, assignors to Globe-Union Inc., Milwaukee, Wis. Momentary contact switch of the push-button type. 2,586,056, Feb. 19.
Kloster, John, Minneapolis, Minn. Corn-popping machine. 2,586,347, Feb. 19.
Knellwolf, Hans C., Zurich, Switzerland. Foot-supporting means. 2,586,057, Feb. 19.
Knight, Milton A.: *See*—
Taylor, John A., and Knight.
Knoblaugh, Armand F., assignor to The Baldwin Company, Cincinnati, Ohio. Musical instrument employing continuously moving member. 2,586,664, Feb. 19.
Knopke, Edward T., Detroit, Mich. Dial adding machine. 2,586,058, Feb. 19.
Koeppel, Charles H., North Woodbury, Conn., assignor, by mesne assignments, to Rite Line Corporation, Washington, D. C. Copyholder paper support. 2,586,059, Feb. 19.
Kohler, George O.: *See*—
Graham, William R., Jr., Kohler, and Hoover.
Konikoff, Harry, assignor to H. G. Greene, New York, N. Y. Shoe display device. 2,586,665, Feb. 19.
Kopas, Joseph S., Cleveland, Ohio. Testing device. 2,586,234, Feb. 19.
Koppers Company, Inc., assignee: *See*—
Hill, William H.
Krafft, Frederick G., assignor to The Thompson Grinder Company, Springfield, Ohio. Device for forming grinding wheels. 2,586,235, Feb. 19.
Kramer, Edward H., assignee: *See*—
Peck, Woolsey D.
Krause, Matilde E., executrix: *See*—
Laing, Torrance R.
Krichbaum, Paul L., Brighton, Mich. Fishhook extractor. 2,586,431, Feb. 19.
Kroeger, Edward W., and J. Daugherty, Cincinnati, Ohio, assignors, by mesne assignments, to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Work holding means. 2,585,944, Feb. 19.
Kronberger, Hans, Harwell, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Arrangement for measuring or indicating the flow of fluids. 2,586,060, Feb. 19.
Kronouer, Johan G., Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Curacao, Netherlands West Indies. Dial for radio cabinet. 2,586,468, Feb. 19.
Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Truck for rail vehicles. 2,586,061, Feb. 19.
Krupp, Carroll P., Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Panel closure assembly. 2,586,062, Feb. 19.
Kuebler, Robert A., Cleveland Heights, Ohio, assignor to General Electric Company. Apparatus for coating internal surfaces of hollow glassware. 2,586,348, Feb. 19.
Kuhlik, Hattie B., assignee: *See*—
Kuhlik, Jacob M.
Kuhlik, Jacob M., Brooklyn, assignor to H. B. Kuhlik, Sea Gate, N. Y. Sound-on-film recording and reproducing machine. 2,586,666, Feb. 19.
Kunetz, Géza, Issy-les-Moulineaux, assignor to Compagnie Generale de Geophysique, Latour Maubourg, Paris, France. Electrical investigation of the ground. 2,586,667, Feb. 19.
Kurtz, Ralph W., Coshocton, Ohio, assignor to James B. Clow & Sons, Chicago, Ill. Centrifugal casting machine. 2,586,349, Feb. 19.
Kurtz, Robert A., Fostoria, Ohio. Crash barrier for vehicle passengers. 2,586,063, Feb. 19.
Kuyvenhoven, Arend W., Richmond, England, assignor to "Brevets Aero-Mecaniques," S. A., Geneva, Switzerland. Gyroscopic stabilizing apparatus. 2,586,469, Feb. 19.
Laemmel, Charles H., Detroit, Mich., assignor, by mesne assignments, to The Sheffield Corporation, Dayton, Ohio. Threading apparatus. 2,586,668, Feb. 19.
Laing, Torrance R., deceased, New York, N. Y.; M. E. Krause, executrix. Manually controlled photographic exposing, developing, and fixing device. 2,585,945, Feb. 19.
L'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude, assignee: *See*—
Gomonet, Eugéne.
Lake, Ross A., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Fixed message inserter. 2,586,669, Feb. 19.
Lamb, Bert R., Wildwood, N. J. Crab trap. 2,586,350, Feb. 19.
Lambertsen, Christian J., Scotch Plains, N. J. Selective gas adsorber. 2,586,670, Feb. 19.
Land, Meyer, Waterbury, Conn. Boxing toy. 2,586,432, Feb. 19.
Landis, Elmer, Clayton, assignor to United Aircraft Products, Inc., Dayton, Ohio. Lubricating system. 2,586,671, Feb. 19.
Landry, Alice F., Pittsburgh, Pa. Child's eye patch. 2,586,064, Feb. 19.
Lanter, Clarence W.: *See*—
Breuer, Grant W., and Lanter.
Larimore, Harvey T., Chicago, Ill. Bottle vending machine. 2,586,351, Feb. 19.
La Rocque, Samuel W., Pawtucket, R. I. Loom picker. 2,586,065, Feb. 19.
Larson, Erling C., Bellevue, assignor to National Products Company, Seattle, Wash. Safety door lock. 2,586,066, Feb. 19.
Lave, Edward D., Chicago, Ill. Combination sash holder and weather seal. 2,586,672, Feb. 19.

Lawrenz, Otto, assignor to Peerless Tool & Engineering Co., Chicago, Ill. Fishing tackle assembly. 2,586,170, Feb. 19.
Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Fabric roll take-up for knitting machines. 2,586,470, Feb. 19.
Lawver, James E.: *See*—
Le Baron, Ira M., McClintock, and Lawver.
Le Baron, Ira M., Lakeland, W. O. McClintock, Mulberry, and J. E. Lawver, Lakeland, Fla., assignors to International Minerals and Chemical Corporation. Beneficiation of nonmetallic ores. 2,586,545, Feb. 19.
Lee, Reuben, Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency transformer. 2,586,352, Feb. 19.
Leeds and Northrup Company, assignee: *See*—
Beggs, George E., Jr., and Yetter.
Medlock, Reginald S.
Lees, Charles A.: *See*—
Clark, Fred H., and Lees.
Legge, Walter G.: *See*—
Van Atta, Floyd A., and Legge.
Leitz, Ernst, G. m. B. H., assignee: *See*—
Wagner, Adam.
Lennox Furnace Co., The, assignee: *See*—
Wilson, John A.
Lensner, Herbert W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective relaying system. 2,586,353, Feb. 19.
Leonard, Merrill G.: *See*—
Hodnette, John K., and Leonard.
Leonard, Merrill G., Sharon, and G. Y. Hager, Sharpsville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Overvoltage protection for transformers. 2,586,354, Feb. 19.
Lepp, Gerhard J., Cuyahoga Falls, R. C. Bateman, and K. L. Emberson, assignors to Wingfoot Corporation, Akron, Ohio. Seat. 2,586,433, Feb. 19.
Le Pree, James W., Newark, N. J. Tap or reamer driver. 2,586,067, Feb. 19.
Leven, Roland M., Paris, France. Belt. 2,586,355, Feb. 19.
Lewis, Dola T., Beaufort, N. C. Row marker control apparatus. 2,586,356, Feb. 19.
Lewis, Harold A.: *See*—
Horn, Gerald B., and Lewis.
Lewis, James P., and R. R. Rader, Howard, Kans. Lawn mower sharpener. 2,586,236, Feb. 19.
Lexington Supply Company, The, assignee: *See*—
Miller, Perry E.
Liakhoff, Leonide: *See*—
Jacob, Robert M., Liakhoff, and Robert.
Liberman, Ada, Seattle, Wash.; now by change of name Loretta Liberman. Child's sewing kit. 2,585,946, Feb. 19.
Liberman, Loretta: *See*—
Liberman, Ada.
Ligett, Waldo B.: *See*—
McBee, Earl T., Ligett, and Lindgren.
Lilienfeld, Julius E., St. Thomas, V. I. Electrolytic condenser for alternating current power circuits and operating the same. 2,585,947, Feb. 19.
Lilly, Eli, and Company, assignee: *See*—
Mills, Jack.
Linden, Samuel, Chelsea, assignor to Bunny Bear, Inc., Everett, Mass. Convertible bassinet and child's seat. 2,586,237, Feb. 19.
Lindgren, Vincent V.: *See*—
McBee, Earl T., Ligett, and Lindgren.
Lindstrom, Ture: *See*—
Grissinger, George G., Lindstrom, and Sandin.
Linear, Inc., assignee: *See*—
Summers, Otto M.
Linxweiler, Carl J., R. Y. Moss, and J. T. Welch, assignors to The Sheffield Corporation, Dayton, Ohio. Manufacturing process. 2,586,673, Feb. 19.
Lith-I-Bar Company, The, assignee: *See*—
Corwin, Howard D.
Litsch, Orville D.: *See*—
Fischer, Richard C., and Litsch.
Litzler, Cyril A., Cleveland, Ohio. Reel. 2,585,948, Feb. 19.
Llewellyn, Walter E., Nutley, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Tetrafluoroethylene polymer compositions. 2,586,357, Feb. 19.
Lockhart, Marshall L., Rutherford, N. J. Syringe assembly. 2,586,068, Feb. 19.
Lockhart, Marshall L., Rutherford, N. J. Syringe assembly. 2,586,069, Feb. 19.
Longenecker, Ruth H., Los Angeles, Calif. Double lens removable unit for eye glasses. 2,586,546, Feb. 19.
Longini, Richard L.: *See*—
Coltman, John W., and Longini.
Hushley, Walter J., and Longini.
Lönne, Friedrich, Dusseldorf, Germany. Prophylactics. 2,586,674, Feb. 19.
Lothrop, Marcus: *See*—
Harris, Robert L., and Lothrop.
Lucas, Joseph, Limited, assignee: *See*—
Watson, Ernest A., and Clarke.
Luten, Daniel B., Jr., and A. De Benedictis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Producing phenolic derivatives. 2,586,070, Feb. 19.
Lutz, Wolfgang J., Haag, Austria. Chewing gum and making the same. 2,586,675, Feb. 19.
Lutz, Wolfgang J., Haag on the Hausruck, Austria. Coat. 2,586,676, Feb. 19.
Lytton, Marion R., West Chester, assignor, by mesne assignments, to The Chemstrand Corporation, Philadelphia, Pa. Copolymers of acrylonitrile and amine oxides. 2,586,238, Feb. 19.
M and M Wood Working Company, assignee: *See*—
Malarkey, James H.
MacCormack, John G., assignor to Vanton Pump Corporation, New York, N. Y. Pump. 2,585,949, Feb. 19.
Machine Tool Works Oerlikon, Administration Company, assignee: *See*—
Stadelmann, Rudolf.
MacKenzie, Ritchie A., Seattle, Wash. Remote-controlled toy bulldozer. 2,586,239, Feb. 19.
Magnavox Company, The, assignee: *See*—
Martin, Norman F.
Magnetic Equipment, Inc., assignee: *See*—
Hare, Donald G. C.
Maillard, Bernard, Geneva, Switzerland, assignor to Brevets Aero-Mecaniques S. A. Cartridge feed device for automatic firearms. 2,586,358, Feb. 19.
Malarkey, James H., assignor to M and M Wood Working Company, Portland, Oreg. Device for protecting door ends. 2,586,240, Feb. 19.
Malin, Joseph J., Kulpmont, Pa. Range-height indicator. 2,585,950, Feb. 19.
Malkames, James P., Jr., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of Agriculture. Food product from whey. 2,585,951, Feb. 19.
Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Flexible shaft coupling. 2,586,359, Feb. 19.
Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Flexible shaft coupling. 2,586,360, Feb. 19.
Mall Tool Company, assignee: *See*—
Mall, Arthur W.
Mallinckrodt Chemical Works, assignee: *See*—
Farr, Henry V., and Ruhoff.
Manen-Mayol, Pedro, Barcelona, Spain. Book of perspective views. 2,586,071, Feb. 19.
Manley, Robert T., Kansas City, Kans., assignor to The Vendo Company, Kansas City, Mo. Vending machine for bottled goods having vertical rotating basket unit. 2,586,241, Feb. 19.
Manning, Richard D.: *See*—
Hodge, John M., and Manning.
Marcoux, Melvin W., assignor to Armour and Company, Chicago, Ill. Preparation of diacetyl with butter cultures. 2,586,072, Feb. 19.
Mariani, Frank N., New York, N. Y. Ice crusher. 2,586,678, Feb. 19.
Marien, Clement S., Attleboro, Mass., assignor to Swank, Inc. Pivoted head cuff link. 2,586,434, Feb. 19.
Marien, Melvin W., St. Louis, Mo., assignor, by mesne assignments, to Ramsey Corporation. Piston packing ring. 2,585,952, Feb. 19.
Marley, Leslie C., Milwaukee, Wis. Hand trap. 2,586,547, Feb. 19.
Marrett, Henry R., Coventry, assignor to Airmed Limited, Harcourt House, London County, England. Apparatus for the administration of inhalant gas mixtures. 2,586,677, Feb. 19.
Marsden, Douglas J., San Francisco, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid pressure operated circuit breaker. 2,586,361, Feb. 19.
Martin, Norman F., assignor to The Magnavox Company, Fort Wayne, Ind. Dual point phonograph pickup stylus. 2,586,362, Feb. 19.
Martin, Ruth M., Los Angeles, Calif. Snap hook. 2,586,679, Feb. 19.
Matheson, George L., Union, and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Polyvalent metal tetra-isobutyl phenol sulfonic acid salt parasiticides. 2,586,680, Feb. 19.
Mathews, Jack S., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Coolant system for grinding machines. 2,586,242, Feb. 19.
Mattersdorf, Gustav, New York, N. Y. Fluid pressure producing device. 2,585,953, Feb. 19.
Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. Compressible brazed connector. 2,586,471, Feb. 19.
Mattikow, Morris, and D. Perlman, New York, N. Y. Recovery of sterols. 2,585,954, Feb. 19.
May, Richard W., Cedar Rapids, Iowa, assignor to Collins Radio Company. Shaft positioning device. 2,585,955, Feb. 19.
McAlevy, Ambrose, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanizable chlorosulfonated polymers. 2,586,363, Feb. 19.
McArthur, John E., Dauphin, Manitoba, Canada. Shuttle winder. 2,586,548, Feb. 19.
McBee, Earl T., Lafayette, Ind., W. B. Ligett, Detroit, Mich., and V. V. Lindgren, West Lafayette, assignors to Purdue Research Foundation, Lafayette, Ind. Chloropentafluorobenzene. 2,586,364, Feb. 19.
McCarthy, Thomas O., Pawling, N. Y. Motion transmission system. 2,585,956, Feb. 19.

McClellan, Cyril E., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Eliminating spurious frequencies. 2,586,365, Feb. 19.

McClintock, Walter O.: *See*—
Le Baron, Ira M., McClintock, and Lawver.

McDougall, George F., Portland, Oreg. Air cleaner. 2,586,243, Feb. 19.

McGraw Electric Company, assignee: *See*—
Gomersall, John R., and Ireland.

McKay, John F., Jr., Cranford, H. L. Yowell, Westfield, and L. Z. Jasion, Elizabeth, N. J., assignors to Standard Oil Development Company. Herbicidal compositions containing still bottoms from alcohol synthesis by the "Oxo" process. 2,586,681, Feb. 19.

McKee, Harry G., assignor of ten per cent to N. C. Schneider, Syracuse, N. Y. Fish lure releaser. 2,586,073, Feb. 19.

McKenna, William L.: *See*—
Hale, Clifford E., and McKenna.

McKown, Sherman, Pampa, Tex. Scraping and wiping tool. 2,586,472, Feb. 19.

McLeod, Stewart B., Dearborn, assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Pump and motor hydraulic system. 2,586,682, Feb. 19.

McLeod, Stewart B., Dearborn, assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Solenoid valve assembly. 2,586,683, Feb. 19.

McMahon, George F., assignor to S & C Electric Company, Chicago, Ill. Circuit interrupting means. 2,586,171, Feb. 19.

McMann, William E. J., Danville, Va. Apparatus for controlling the flow of dye liquor through kiers. 2,586,244, Feb. 19.

McNamara, Francis J., Yonkers, N. Y. Fuse testing terminal. 2,586,366, Feb. 19.

McNamara, John P., assignor of one-third to Romisons Confectionery Limited, Dunedin, New Zealand. Making a decorative or distinctive marking on chocolate, caramel, icing, and like confectionery substances. 2,586,684, Feb. 19.

McNerney, Robert P., Sharpsville, assignor of fifty per cent to C. J. Songer, Farrell, Pa. Deceleration signal. 2,586,685, Feb. 19.

McRate, Donald K., Wilmington, N. C. Combination gaff hook and scale. 2,586,245, Feb. 19.

McWilliam, William M., New Orleans, La. Boiler cleaner nozzle. 2,586,367, Feb. 19.

Mead, John C., and W. C. Schneider, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Wood laminate bonded with an adhesive comprising melamine formaldehyde resin and an ester of glycerol and sebacic acid. 2,586,473, Feb. 19.

Medlock, Reginald S., Luton, England, assignor to Leeds and Northrup Company, Philadelphia, Pa. Oscillator-controlled rebalance measuring system. 2,586,686, Feb. 19.

Meeker, David A., G. B. Fox, and B. E. Sullenberger, assignors to The Hobart Manufacturing Company, Troy, Ohio. Meat saw with cleaning and scrap collecting apparatus. 2,585,957, Feb. 19.

Mellon, Russell, Sloatsburg, N. Y. Closure cap for liquid spray containers. 2,586,687, Feb. 19.

Memluck, Charles, Utica, Mich. Line protractor. 2,586,074, Feb. 19.

Mendels, Irwin J., assignee: *See*—
Fay, Joseph W.

Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,586,368, Feb. 19.

Metzger, William J., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 2,585,958, Feb. 19.

Meyer, Arthur E., Flushing, assignor to Fellows Medical Manufacturing Company, Inc., New York, N. Y. Gelatin capsules containing chloral hydrate. 2,585,903, Feb. 19.

Meyer, Charles W.: *See*—
Schwartz, Eli P., and Meyer.

Meyer, Frank A., Sharon Hill, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatically and manually controlled servomotor for interceptor valve of turbine and reheater apparatus. 2,586,688, Feb. 19.

Micromax, Inc., assignee: *See*—
Robinson, Thomas.

Mieras, Merritt A., Detroit, and A. F. Millington, Northville, assignors to Novi Equipment Company, Novi, Mich. Automobile heater structure. 2,586,689, Feb. 19.

Mikeska, Louis A.: *See*—
Matheson, George L., and Mikeska.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Pour depressants. 2,586,690, Feb. 19.

Miller, Edwin A., Fairfield, Conn. Latch release contact for electric switches. 2,586,075, Feb. 19.

Miller, Ernest A., Long Beach, Calif. Coin-actuated time-control mechanism. 2,586,549, Feb. 19.

Miller, Perry E., Cleveland Heights, assignor to The Lexington Supply Company, Cleveland, Ohio. Hoist. 2,586,369, Feb. 19.

Miller & Weber, Inc., assignee: *See*—
Weber, Joseph J., and Wilhelm.

Miller, William T., Ithaca, A. L. Dittman, Schenectady, N. Y., and S. K. Reed, Lewisburg, Pa., assignors to the United States of America as represented by the United States Atomic Energy Commission. Halogen-substituted acetyl peroxide catalyst for halo-olefin polymerization. 2,586,550, Feb. 19.

Millington, Alfred F.: *See*—
Mieras, Merritt A., and Millington.

Milliquet, Wladimir, Baden, assignor to "Patelhold" Patentverwertungs-& Elektro-Holding A.-G., Glarus, Switzerland. Secrecy system wherein frequency bands of messages are intermixed during multiplexing. 2,586,475, Feb. 19.

Mills, Ellsworth L., Highland Park, and R. R. Zimmer, assignors to The Bastian-Blessing Company, Chicago, Ill. Excess flow check valve. 2,586,691, Feb. 19.

Mills, Florence P., executrix, assignee: *See*—
Haun, Joye C.

Mills, Jack, assignor to Eli Lilly and Company, Indianapolis, Ind. N-dimethylaminoethyl-9-methylacridan and acid addition salts thereof. 2,586,370, Feb. 19.

Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, assignee: *See*—
Kronberger, Hans.

Minter, Clarke C., Washington, D. C., assignor to Minter Instrument Corporation, New York, N. Y. Thermal conductivity bridge for gas analysis. 2,585,959, Feb. 19.

Minter Instrument Corporation, assignee: *See*—
Minter, Clarke C.

Missouri Automatic Control Corporation, assignee: *See*—
Pratt, Ryder.

Mobley, Edwin H., assignor to Bloomer Bros. Company, Newark, N. Y. Device for setting up collapsible cellular cartons. 2,586,551, Feb. 19.

Moffett, Thomas S., Vancouver, Wash. Flexible frame seed drill. 2,586,246, Feb. 19.

Moloney, Raymond T., assignee: *See*—
Henry, Earle G., and Galinski.

Monarch Marking System Company, The, assignee: *See*—
Rieger, Frederic L.

Monsanto Chemical Company, assignee: *See*—
Niles, George E.
Wilson, Robert A.

Montres Rolex S. A. (Rolex Watch Co. Ltd.), assignee: *See*—
Prêtre, Armand.

Moonert, Harold F., assignee: *See*—
Dickey, Charles N.
Freedman, Benjamin H.
Freedman, Benjamin H., and Heggedal.
Heggedal, Emil J.

Moore, Archie F., Havertown, Pa., assignor to Baldwin-Lima-Hamilton Corporation. Platen spacing means for presses. 2,586,474, Feb. 19.

Morel, Stanislas, Paris, France. Filter. 2,586,692, Feb. 19.

Morita, Seiiti: *See*—
Tange, Otoyuki, and Morita.

Morway, Arnold J., Rahway, and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Lubricating grease. 2,586,693, Feb. 19.

Moscarello, Salvatore A., Brooklyn, N. Y. Spraying device with dilator. 2,586,553, Feb. 19.

Moss, Charles W., Canton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric protection for looms. 2,586,552, Feb. 19.

Moss, Charles W., Canton, and W. A. Blanchard, Millbury, assignors to Crompton & Knowles Loom Works, Wircester, Mass. Electric protection for looms. 2,586,371, Feb. 19.

Moss, Philip H.: *See*—
Hook, Edwin O., and Moss.

Moss, Richard Y.: *See*—
Linxweiler, Carl J., Moss, and Welch.

Motor Products Corporation, assignee: *See*—
Whitmore, Harland W.

Mott, Carl W., La Grange Park, assignor to Elgin Sweeper Company, Elgin, Ill. Street-sweeping machine. 2,586,554, Feb. 19.

Mottern, Henry O., Bloomfield, N. J., assignor to Standard Oil Development Company. Catalytic dehydrogenation of alcohols to carbonyl compounds. 2,586,694, Feb. 19.

Mover, Hyman, deceased, by R. C. Mover, executrix, Marblehead, assignor to Bunny Bear, Inc., Everett, Mass. Portable infant's crib. 2,586,247, Feb. 19.

Mover, Rebecca C., executrix: *See*—
Mover, Hyman.

Mueller, Max B., Dumont, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparing pyridine carboxylic acids. 2,586,555, Feb. 19.

Mueller, Otto, Dearborn, Mich. Hydraulic punch and stripping device. 2,586,695, Feb. 19.

Mullikin, Alfred, San Francisco, Calif. Flexible binder post. 2,586,556, Feb. 19.

Murbach, Oskar, Lucerne, Switzerland. Kettle drum. 2,586,476, Feb. 19.

Murphy, Francis H., Webster Groves, Mo., assignor to Switzer Companies. Edge piling machine. 2,586,172, Feb. 19.

N. V. Philips' Gloeilampenfabrieken, assignee: *See*—
Kronouer, Johan G.

Napier, D., & Son Limited, assignee: *See*—
Chamberlin, Reginald H. D.

National Formetal Company, assignee: *See*—
Gerson, Benjamin S.

National Malleable and Steel Castings Company, assignee: *See*—
Metzger, William J.

National Products Company, assignee: *See*—
Larson, Erling C.

National Slug Rejectors, Inc., assignee: *See*—
Wallin, Fred E.

National Tank Company, assignee: *See*—
Glasgow, Clarence O.

National Zinc Company, Inc., assignee: *See*—
Hart, James L.

Nauth, Edgar K., Kenmore, assignor to Colonial Radio Corporation, Buffalo, N. Y. Radio tube socket mounting. 2,586,696, Feb. 19.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Evers, Dundred D.
Handel, Nell E.
Kamm, George N.
Rabinow, Jacob.

Nederlandse Centrale Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek, assignee: *See*—
Tollenaar, Frederik D.

Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Padding and cover members for upholstered spring structures. 2,586,698, Feb. 19.

Nees, Alpheus R.: *See*—
Brown, Robert J., Nees, and Bennett.

Nejedly, Peter M., and A. B. Johansson, Brooklyn, N. Y., assignors to American Machine and Foundry Company. Bowling pin spotting mechanism. 2,586,697, Feb. 19.

Nelsen, Marvin G., Skokie, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Coin credit mechanisms and circuits. 2,586,173, Feb. 19.

Nelson, Clarence R., Nyack, assignor to Wilcox & Gibbs Sewing Machine Company, New York, N. Y. Feeding device for sewing machines. 2,586,764, Feb. 19.

Nelson, R. L., assignee: *See*—
Powell, Sammy R.

Newbold, Park L., Cedar Rapids, Iowa. Sacking and weighing machine. 2,586,557, Feb. 19.

Newman, Carl A., and R. S. Berry, Los Angeles, Calif. Thermo safety valve. 2,586,248, Feb. 19.

Nichols, George J., Gary, Ind. Electric motor apparatus for automatically regulating the speed of strip reeling devices. 2,586,076, Feb. 19.

Nicolaus, Delmar O.: *See*—
Nicolaus, Otto C. and D. O.

Nicolaus, Otto C. and D. O., Julesburg, Colo. Device for supporting grain elevator spouts. 2,586,077, Feb. 19.

Nicoll, Frederick H.: *See*—
Friend, Albert W., and Nicoll.

Niles, George E., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Treatment of textile materials. 2,586,477, Feb. 19.

Nixon, Lawrence J., Pittsburgh, Pa. Revolving storage bin. 2,568,699, Feb. 19.

Noble, John D., Kermit, Tex. Protective hat container. 2,585,700, Feb. 19.

Nodson, John A., Vallejo, Calif. Method and apparatus for testing springs. 2,585,960, Feb. 19.

Norco Co., The, assignee: *See*—
Carpenter, Arley D., and Slater.

Norman, Charles R., Jr.: *See*—
Schnetz, Clyde C., and Norman.

Norquist, Glenn H., Jamestown, N. Y. Making metal-clad counter tops. 2,585,961, Feb. 19.

North American Aviation, Inc., assignee: *See*—
Keller, Philip B.

Northrop Aircraft, Inc., assignee: *See*—
Carson, William T., Jr., and Williamson.
Hodgson, Richard W., and Parrish.
Jonas, Julius.

Norton, Sereno G., Brunswick, Ga. Tobacco. 2,586,701, Feb. 19.

Novi Equipment Company, assignee: *See*—
Mieras, Merritt A., and Millington.

Nuckols, Frank R., Mundelein, Ill. Turntable drive. 2,586,174, Feb. 19.

Nyman, Harold G., Belmont, assignor to American Register Company, South Boston, Mass. Autographic register. 2,586,175, Feb. 19.

Oakhill, Frederic E., Wilmette, assignor to Prismacolor Pictures, Inc., Chicago, Ill. Three color television system. 2,586,558, Feb. 19.

Obram, Nicolas, Liege, Belgium. Auto cycle and like power assisted vehicle and motor for such vehicle 2,586,702, Feb. 19.

Odell, William W., Washington, D. C., assignor to Standard Oil Development Company. Shale distillation. 2,586,703, Feb. 19.

Oilgear Company, The, assignee: *See*—
Wiedmann, Ernst.

Olcott, Harold S.: *See*—
Van Atta, George R., Kester, and Olcott.

Olsen, Hartvig, Brooklyn, N. Y. Linked slide carrier 2,586,176, Feb. 19.

O'Malley, Thomas R., assignor to American Viscose Corporation, Wilmington, Del. Packaging. 2,586,078, Feb. 19.

Onkey, Theodore F., Easton, assignor to Roberts Rouge Company, Stratford, Conn. Dispensing package. 2,586,765, Feb. 19.

Ostline, John E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Message data recording telephone system. 2,586,704, Feb. 19.

Page, Richard S., Stretford, Manchester, England, assignor to General Electric Company. Multiple element electron lens arrangement. 2,586,559, Feb. 19.

Pallle, Eugene, Los Angeles, assignor to General Controls Co., Glendale, Calif. Fluid control valve. 2,586,249, Feb. 19.

Palenchar, Paul J., Newton Falls, Ohio. Putty smoothing knife. 2,586,372, Feb. 19.

Palmer, Jewell S., Wooster, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Distributing solids in gases in catalytic apparatus. 2,586,705, Feb. 19.

Pan American Refining Corporation, assignee: *See*—
Wadsworth, Francis T.

Paper Novelty Manufacturing Company, assignee: *See*—
Pettorossi, Joseph.

Parapads Limited, assignee: *See*—
Frais, Samuel.

Parker, Leon, Burbank, assignor to The H. I. Thompson Company, Los Angeles, Calif. Heat exchanger. 2,586,250, Feb. 19.

Parker, Ralzemond B.: *See*—
Thresher, Russell W., and Parker.

Parr, Josephus O., Jr., assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,586,706, Feb. 19.

Parrish, Norman C.: *See*—
Hodgson, Richard W., and Parrish.

Pate, Walter H.: *See*—
Stanley, Luther R., and Pate.

"Patelhold" Patentverwertungs-& Elektro-Holding A.-G., assignee: *See*—
Milliquet, Wladimir.

Patent Management Inc., assignee: *See*—
Kline, Raymond V.

Patterson, Morehead, New York, N. Y., assignor to American Machine and Foundry Company. Bowling pin spotting and respotting apparatus. 2,586,707, Feb. 19.

Paul, Frederick W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Combined electric protection and warp stop for looms. 2,586,373, Feb. 19.

Paxhia, Emanuel F., Tonawanda, assignor to Wales-Strippit Corporation, North Tonawanda, N. Y. Actuating element for reciprocable machine elements. 2,586,478, Feb. 19.

Payne, Walter B., assignor to The Todd Company, Inc., Rochester, N. Y. Ribbon inker printing method and apparatus therefor. 2,586,560, Feb. 19.

Pearson, Axel B.: *See*—
Erland, Gustave G., and Pearson.

Peck, Woolsey D., assignor to E. H. Kramer, Detroit, Mich. Quick detachable wheel. 2,586,177, Feb. 19.

Peebles, Chad A., Newaygo, Mich. Play pen convertible to a bed. 2,586,251, Feb. 19.

Peerless Tool & Engineering Co., assignee: *See*—
Lawrenz, Otto.

Pegson Limited, assignee: *See*—
Richardson, Ronald H., and Wilson.

Peller, Karl E., West Hartford, Conn., assignor to Emhart Manufacturing Company. Stirring apparatus for molten glass in forehearths. 2,586,079, Feb. 19.

Pennow, Willis A., Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-intensity airport runway marker light. 2,586,374, Feb. 19.

Pennow, Willis A., Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotating beacon having duplicate lamp systems one of which is automatically energized upon failure of the other. 2,586,375, Feb. 19.

Pennsylvania Manufacturing Confectioner's Association, The: *See*—
Cross, Sherwood T.

Pennsylvania Railroad Company, The, assignee: *See*—
Steins, Carleton K.

Perelman, Albert A.: *See*—
Johnson, Gerald C., and Perelman.

Perlman, David: *See*—
Mattikow, Morris, and Perlman.

Perry, Winthrop L., assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H. Thread guide. 2,585,962, Feb. 19.

Petcar Research Corporation, assignee: *See*—
Peters, Melville F.

Peterman, George W., Milford, Mich. Latch for throttle control pedals. 2,586,435, Feb. 19.

Peters, Melville F., East Orange, assignor to Petcar Research Corporation, Newark, N. J. Fire detector element. 2,586,252, Feb. 19.

Peterson, Herbert L., Detroit, Mich. Picket shaping machine. 2,586,253, Feb. 19.

Petit, William H., Pasadena, assignor to Clary Multiplier Corporation, Los Angeles, Calif. Torque testing instrument for self-locking nuts, etc. 2,586,708, Feb. 19.

Pettorossi, Joseph, Brooklyn, N. Y., assignor to Paper Novelty Manufacturing Company. Apparatus for piercing and clenching superposed sheets. 2,586,479, Feb. 19.

Petty, Olive S., assignee: *See*—
Parr, Josephus O., Jr.

Pfann, William G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductive signal translating device. 2,586,080, Feb. 19.

Pfau, Harry J.: *See*—
Epler, Frederick J., and Pfau.

Pfizer, Chas., & Co., Inc., assignee: *See*—
Finlay, Alexander C., and Sobin.

Philadelphia Air Transport Company, assignee: *See*—
Smith, John W.

Philco Corporation, assignee: *See*—
Tellier, Joseph C., and Alter.

Philippi, Carl A., New York, N. Y. Feeding doll with biting action. 2,586,081, Feb. 19.

Phillips, Cecil, Jr., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Suppressing the corrosion of copper-containing alloys in the presence of ammonium salts. 2,586,709, Feb. 19.

Phillips Petroleum Company, assignee: *See*—
Alexander, Cruzan, and Dutcher.
Pitzer, Emory W.
Weber, Louis J.

Piatti, Sanzio P. V., Milan, Italy. Motor unit for bicycles and like vehicles. 2,586,082, Feb. 19.

Pick, Arnost, New York, N. Y., assignor to J. W. Spear & Sons Limited, Enfield, Middlesex, England. Educational device. 2,586,710, Feb. 19.

Picton, John B., assignor to Joshua Bigwood & Son, Limited, Wolverhampton, England. Machine for stripping sheet metal. 2,586,376, Feb. 19.

Pidacks, Charles, Spring Valley, and E. E. Starbird, Nanuet, assignors to American Cyanamid Company, New York, N. Y. Purifying aureomycin by chromatographic adsorption. 2,586,766, Feb. 19.

Pines, Herman: *See*—
Ipatieff, Vladimir N., and Pines.

Pitre, Ernest F., New Iberia, La. Sugar cane stubble digger. 2,586,254, Feb. 19.

Pitzer, Emory W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydrogenation of hydrocarbon with synthetic gel-type metal oxide catalysts. 2,586,377, Feb. 19.

Planer, Paul, New York, N. Y. Wide angle oblique projection system. 2,586,436, Feb. 19.

Pleskac, John J., Ulysses, Nebr. Cultivator shovel. 2,586,255, Feb. 19.

Poggi, Giovanni, Bologna, Italy. Folder shutter slat and folder shutter made thereby. 2,586,561, Feb. 19.

Pohl, Wadsworth E., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Combination color photography method. 2,586,378, Feb. 19.

Polizzotto, Paul L.: *See*—
Backlund, Peter S., and Polizzotto.

Polytechnic Institute of Brooklyn, assignee: *See*—
Weber, Ernst, and Johnson.

Pope, Arthur W., Jr., assignor to Waukesha Motor Company, Waukesha, Wis. Evaporative cooling system for internal-combustion engines. 2,586,562, Feb. 19.

Porter, H. K., Inc., assignee: *See*—
Geddes, John W., and Ferguson.

Postma, Frank, Glen Rock, N. J. Lubrication of engine bearings. 2,586,379, Feb. 19.

Potts, Louis M., deceased, by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Scanning system and apparatus. 2,586,711, Feb. 19.

Potts, Martha W. C., executrix: *See*—
Potts, Louis M.

Poultney, Richard F., Pomeroy, Wash. Fountain spigot. 2,586,083, Feb. 19.

Powell, Sammy R., Brush Prairie, Wash., assignor of one-half to R. L. Nelson. Bit for drilling noncircular holes. 2,586,084, Feb. 19.

Pratt, Ryder, Kirkwood, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Control mechanism. 2,586,085, Feb. 19.

Pressed Steel Car Company, Inc., assignee: *See*—
Smith, Albert W.

Prêtre, Armand, Geneva, Switzerland, assignor to Montres Rolex S. A. (Rolex Watch Co. Ltd.). Rim for watchcases. 2,586,086, Feb. 19.

Prismacolor Pictures, Inc., assignee: *See*—
Oakhill, Frederic E.

Proell, Wayne A.: *See*—
Adams, Chester E., Proell, and Ballweber.

Pryke, Fordham, London, England. Underpinning of buildings. 2,586,712, Feb. 19.

Purdue Research Foundation, assignee: *See*—
McBee, Earl T., Ligett, and Lindgren.

Pyrene Manufacturing Company, assignee: *See*—
Smye, Arthur.

Quaker Oats Company, The, assignee: *See*—
Graham, William R., Jr., Kohler, and Hoover.

Quarles, John P., Huntington, W. Va. Railroad rail spraying apparatus. 2,586,256, Feb. 19.

Quercia, Marcel, Paris, and G. Ferdinand, Nogent, France. Cigar lighter, igniter, and the like. 2,586,380, Feb. 19.

Quinn, John S., Chicago, Ill. Lifting edge for folders. 2,586,381, Feb. 19.

Rabinow, Jacob, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Powder train interrupter. 2,586,437, Feb. 19.

Rader, Ralph R.: *See*—
Lewis, James P., and Rader.

Radio Corporation of America, assignee: *See*—
Bartelson, Sten E.
Bedford, Alda V.
Costello, Edwin J.
Fernsler, George L.
Friend, Albert W.
Friend, Albert W., and Nicoll.
Rose, Albert.
Wendt, Karl R.

Ramsey Corporation, assignee: *See*—
Marien, Melvin W.

Randol, Glenn T., St. Louis, Mo. Automotive variable-speed and drive power transmission. 2,585,964, Feb. 19.

Ranney, Percival K., Lakewood, Ohio. Apparatus for and system of gaseous tube lighting. 2,585,963, Feb. 19.

Ras, Max, Zurich, Switzerland. Fountain interrupter. 2,586,382, Feb. 19.

Ras, Max, Zurich, Switzerland. Water atomizer for damping the cylinders in offset printing machines. 2,586,480, Feb. 19.

Ratcliffe, Temple W., and S. O. Evans, Beaver Falls, Pa., assignors, by mesne assignments, to The Babcock & Wilcox Company, Jersey City, N. J. Apparatus for controlling the rate of fluid material from one container into another. 2,586,713, Feb. 19.

Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Interlocking safety switch system. 2,586,237, Feb. 19.

Raybestos-Manhattan, Inc., assignee: *See*—
Cofek, Henry J.

Raytheon Manufacturing Company, assignee: *See*—
Wild, Norman R.

Read Standard Corporation, assignee: *See*—
Rhodes, Herbert C.

Reeb, Eugene H., assignor to Star Metal Manufacturing Company, Philadelphia, Pa. Homogenizing apparatus. 2,586,258, Feb. 19.

Reed, Sherman K.: *See*—
Miller, William T., Dittman, and Reed.

Reeves, Floyd L., Smithton, Ill. Leakproof fire extinguisher. 2,586,088, Feb. 19.

Reichhold Chemicals, Inc., assignee: *See*—
Robinson, Ralph S.

Reid, Albert C., Tulsa, Okla. Azimuth transmitter. 2,586,259, Feb. 19.

Rennerfelt, Sven B., Goteborg, Sweden. Variable-speed changing gear. 2,586,260, Feb. 19.

Republic Flow Meters Company, assignee: *See*—
Rosenberger, Albert J.

Reygagne, Léonce: *See*—
Eyt, Eugène, and Reygagne.

Reynolds, Harry R., and C. G. Bidwell, assignors to The Fafnir Bearing Company, New Britain, Conn. Applying a seal to a radial groove. 2,586,087, Feb. 19.

Rhines, Ralph J., Tacoma, Wash. Animal trap. 2,586,261, Feb. 19.

Rhodes, Herbert C., Portland, Oreg., assignor to Read Standard Corporation. Dough sheeting roll. 2,586,089, Feb. 19.

Richardson, Earl L.: *See*—
Apperson, Lester D., and Richardson.

Richardson, Ronald H., Hugglescote, and T. H. Wilson, assignors to Pegson Limited, Coalville, England. Machine for making roofing tiles. 2,586,714, Feb. 19.

Richeson, Sanford E., and J. A. Allegro, New York, N. Y., assignors of one-third to L. C. Huber, Ridgewood, N. J. Pressure cooking device. 2,586,715, Feb. 19.

Rideout, Dean B., assignee: *See*—
Rochester, Lester L.

Ried, Edward A., Jr., Camden, N. J. Protective cover for television tubes. 2,586,716, Feb. 19.

Rieger, Frederic L., assignor to The Monarch Marking System Company, Dayton, Ohio. Tag-marking machine cutoff knife. 2,586,383, Feb. 19.

Rieger, Frederic L., assignor to The Monarch Marking System Company, Dayton, Ohio. Adjustable and shiftable feed finger mechanism for tag marking machines. 2,585,563, Feb. 19.

Riggs, Harley B., Louisville, Ky. Air deflector for automobile windows. 2,586,090, Feb. 19.

Rinde, Oscar, New York, N. Y. Educational toy. 2,586,564, Feb. 19.

Rinia, Herre, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Modulated radio frequency pulse receiver. 2,586,091, Feb. 19.

Rite Line Corporation, assignee: *See*—
Koeppel, Charles H.

Ritter Company, Inc., assignee: *See*—
Schwartz, Eli P., and Meyer.

Robert, Jacques G.: *See*—
Jacob, Robert M., Liakhoff, and Robert.

Roberts Products, Incorporated, assignee: *See*—
Weseman, Chester A., and Enger.

Roberts Rouge Company, assignee: *See*—
Onkey, Theodore F.

Robins, Jack B., assignor to Aircraft Mechanics Inc., Colorado Springs, Colo. Article of furniture. 2,586,262, Feb. 19.

Robinson, Ralph S., Liverpool, England, assignor to Reichhold Chemicals, Inc., Detroit, Mich. Emulsion copolymerization of styrene with bodied oil or bodied oil modified alkyd. 2,586,092, Feb. 19.

Robinson, Thomas, assignor to Micromax, Inc., New York, N. Y. Method and apparatus for the separation of isotopes, etc., by molecular distillation. 2,586,717, Feb. 19.

Rochester, Lester L., Port Clinton, assignor of one-half to D. B. Rideout, Fremont, Ohio. Name plate attaching means for grave markers. 2,586,178, Feb. 19.

Rodock, John, Washington, D. C. Ball retarder for bowling alleys. 2,586,718, Feb. 19.

Roller Gear Corporation, assignee: *See*—
Schottler, Henry.

Rolls-Royce Limited, assignee: *See*—
Gresham, Harold E., and Hall.

Romisons Confectionery Limited, assignee: *See*—
McNamara, John P.

Rooch, Allen T., deceased, Cincinnati, Ohio; G. O. Rooch, executrix of said A. T. Rooch. Diffusing apparatus. 2,586,179, Feb. 19.

Rooch, Gertrude O., executrix: *See*—
Rooch, Allen T.

Rooksby, William H., and H. Homer, Trafford Park, Manchester, and T. Burgess, Dartford, assignors to Turners Asbestos Cement Company Limited, Spotland, Rochdale, England. Method of and apparatus for corrugating asbestos-cement sheets. 2,586,481, Feb. 19.

Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. Pickup tube for color television. 2,586,482, Feb. 19.

Rose, Andrew G., assignor to Jervis B. Webb Company, Detroit, Mich. Conveyer. 2,586,263, Feb. 19.

Rose, Andrew G., assignor to Jervis B. Webb Company, Detroit, Mich. Single- and double-track conveyer system. 2,586,264, Feb. 19.

Rosenberg, Hans R., Bound Brook, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sterol esters of nicotinic acid. 2,586,438, Feb. 19.

Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Apparatus for proportioning conditions. 2,586,093, Feb. 19.

Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Safety means for valves. 2,586,094, Feb. 19.

Rosenberger, George W.: *See*—
Smith, Benjamin H., and Rosenberger.

Ross, Albert P., Springston, Idaho. Interlaced segmented artificial fly. 2,586,719, Feb. 19.

Ross, Guy E., North Branch, Mich. Sawmill log turner. 2,586,483, Feb. 19.

Rotary Lift Company, assignee: *See*—
Hicks, Seymour G.

Roters, Herbert C., Kew Gardens, N. Y., assignor to Fairchild Camera and Instrument Corporation. System for and method of controlling hysteresis motors. 2,586,095, Feb. 19.

Rotor Tool Company, The, assignee: *See*—
Emery, William M.

Rowe Manufacturing Co., Inc., assignee: *See*—
Gabrielsen, Christian.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Dry pipe valve. 2,586,720, Feb. 19.

Royce, Virginia B., Chicago, Ill., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,586,439, Feb. 19.

Rubber-Stichting, assignee: *See*—
Van Amerongen, Gerrit J.

Rubin, Samuel J., assignor to Arrow Metal Products, Chicago, Ill. Universal mounting for tripods. 2,586,721, Feb. 19.

Ruch, Louis A. H., Paterson, N. J. Holder for feeding and watering containers. 2,586,565, Feb. 19.

Rudisill, Dorus P., Hickory, N. C. Impact circuit breaker. 2,586,384, Feb. 19.

Ruhoff, John R.: *See*—
Farr, Henry V., and Ruhoff.

Runk, Robert H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oil soluble phenolic resins and varnish compositions prepared therefrom. 2,586,385, Feb. 19.

Russell, Clyde C., Trona, Calif. Trouble light for illuminating work areas and projecting warning beams. 2,586,265, Feb. 19.

Rutherford, Richmond L., Superior, Ariz. Pull switch for mine shaft signal systems. 2,586,722, Feb. 19.

Ryan, Mark J., Cincinnati, Ohio. Flexible rule. 2,586,386, Feb. 19.

S & C Electric Company, assignee: *See*—
McMahon, George F.

Sabel, Edward R., and F. I. Galbrecht, assignors to The Haloid Company, Rochester, N. Y. Fusing device. 2,586,484, Feb. 19.

St. Maurice, Armand, and J. S. Candella, Niagara Falls, N. Y. Combined fuel and brake control for automobiles. 2,586,111, Feb. 19.

St. Onge, Edward H., Dearborn, Mich. Baler. 2,586,736, Feb. 19.

Sakols, Sidney, Baltimore, Md. Illuminated magnifying lens. 2,586,723, Feb. 19.

Salle, Anthony J., West Los Angeles, and H. L. Guest, Glendale, Calif. Iodine solution comprising an oxidation-reduction system. 2,585,965, Feb. 19.

Sanders, Joseph J., Philadelphia, Pa. Chip breaker relief grinding fixture. 2,585,966, Feb. 19.

Sandin, Jerome: *See*—
Grissinger, George G., Lindstrom, and Sandin.

Sandmark, Helge O. A.: *See*—
Gruseli, Anders E., Sandmark, and Hysing.

Sanford, Paul W., Indianapolis, Ind., assignor of one-half to Body Guard Valve Co., Inc., and one-half to Shepherd Machine & Tool Co., Inc. Antiscald and proportioning valve. 2,586,180, Feb. 19.

Sannebeck, Walter J., Mexico, Mo. Collapsible adjustable stool. 2,586,724, Feb. 19.

Santarelli, Vincent, Detroit, Mich. Sprayer. 2,586,266, Feb. 19.

Sartoretto, Paul A., New York, N. Y., assignor to W. A. Cleary Corporation. Aryl mercury salts of chloro substituted phenoxyacetic acids. 2,586,387, Feb. 19.

Satz, William, Los Angeles, Calif. Bottle closure. 2,586,440, Feb. 19.

Sauvage, Léon F.: *See*—
Brun, Max A., and Sauvage.

Savage Arms Corporation, assignee: *See*—
Sullivan, William E.

Schaal, Earl V., East Aurora, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,586,096, Feb. 19.

Schafroth, Werner, Havertown, Pa. Clip with bendable legs. 2,586,388, Feb. 19.

Schaible Company, The, assignee: *See*—
Bruewer, Henry.

Schaidach, Alfred W., Chaseburg, Wis. Sheet material cutting device. 2,586,566, Feb. 19.

Schaumer, Theo B., Los Angeles, Calif. Brassière. 2,586,267, Feb. 19.

Schear, Ralph D., and J. G. Berg, Dayton, Ohio. Electric lamp assembly of the pin-up type. 2,586,389, Feb. 19.

Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Flexible coupling. 2,586,567, Feb. 19.

Scheu, Leonard, Laguna Beach, Calif. Water-color sketching easel. 2,586,097, Feb. 19.

Schibler, Luzius, assignor to Ciba Limited, Basel, Switzerland. Water dispersible dry preparations of hardenable binding agents. 2,585,967, Feb. 19.

Schibler, Luzius, assignor to Ciba Limited, Basel, Switzerland. New stable synthetic resin emulsions and the preparation thereof. 2,586,098, Feb. 19.

Schlesinger, Frank, New York, N. Y. Headwear. 2,586,181, Feb. 19.

Schmidt, Ottmar E.: *See*—
Greenshields, Robert O., Schmidt, and Kay.

Schneider Brothers Company, assignee: *See*—
Schneider, Heinrich.

Schneider, Heinrich, assignor to Schneider Brothers Company, Hamilton, Ohio. Turbosupercharged internal-combustion engine having hydraulic means to connect turbine to engine output shaft at high load. 2,585,968, Feb. 19.

Schneider, Nicholas C., assignee: *See*—
McKee, Harry G.

Schneider, William C.: *See*—
Mead, John C., and Schneider.

Schottler, Henry, New Orleans, La., assignor to Roller Gear Corporation, New York, N. Y. Variable-speed transmission. 2,586,725, Feb. 19.

Schroeder, Eugene F., Lakeview, Iowa. Roller keel boat trailer. 2,586,485, Feb. 19.

Schuch, John A.: *See*—
Dietert, Harry W., Schuch, and Steinmueller.

Schuetz, Clyde C., Mount Prospect, and C. R. Norman, Jr., Evanston, assignors to United States Gypsum Company, Chicago, Ill. Producing light weight inorganic insulating material. 2,586,726, Feb. 19.

Schultz, Harold W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Bearing. 2,586,099, Feb. 19.

Schultz, Harold W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Bearing. 2,586,100, Feb. 19.

Schumaier, Rudolph, Saline, Mich. Tractor hitch. 2,586,390, Feb. 19.

Schwaneke, Fred C., assignor to Dormeyer Corporation, Chicago, Ill. Drink mixer. 2,586,101, Feb. 19.

Schwartz, Eli P., Clayton, and C. W. Meyer, St. Louis, Mo., assignors, by mesne assignments, to Ritter Company, Inc., Rochester, N. Y. Motor-pump attachment for foot pump dental chairs. 2,586,441, Feb. 19.

Schwartzman, Louis H., and G. F. Woods, Jr., Silver Spring, Md., assignors to Chemectron Corporation, Washington, D. C. Spirocyclohexanes and preparation thereof. 2,585,969, Feb. 19.

Schwartzman, Louis H., Silver Spring, Md., assignor to Chemectron Corporation, Washington, D. C. Preparation of spiro [cyclohexane-1,1′-indanone-3′]. 2,586,486, Feb. 19.

Schwartzman, Louis H., and G. F. Woods, Jr., Silver Spring, Md., assignors to Chemectron Corporation, Washington, D. C. Spirocyclohexanes and preparation thereof. 2,586,487, Feb. 19.

Scott & Williams, Incorporated, assignee: *See*—
Lawson, Robert H.

Scovill Manufacturing Company, assignee: *See*—
Bahney, Luther W.

Seagren, Nils G., South Pasadena, Calif., assignor, by mesne assignments, to Astra Engineering Company. Pneumatic door-operating mechanism. 2,586,442, Feb. 19.

Seale, Homer T., Inc., assignee: *See*—
Affleck, Theodore H.

Searle, G. D., & Co., assignee: *See*—
Backus, Harrison S.
Burtner, Robert R., and Selby.

Sedgwick, Robert K., assignor to American Steel Foundries, Chicago, Ill. Apparatus for passing cleaner fluid through fabrics. 2,586,569, Feb. 19.

Selby, William M.: *See*—
Burtner, Robert R., and Selby.

Selvig, John N.: *See*—
Ewaldson, Waldemar C., and Selvig.

Senco Products, Inc., assignee: *See*—
Juilfs, Albert G.

Sepavich, Victor F.: *See*—
Howe, Donald W., Jr., and Sepavich.

Shaw, Ernest C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Oscillatable bark-removing jet having variable amplitude of oscillation. 2,586,727, Feb. 19.

Shaw, Thomas M., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Method and apparatus for heating fluids. 2,585,970, Feb. 19.

Sheffield Corporation, The, assignee: *See*—
Laemmel, Charles H.
Linxweiler, Carl J., Moss, and Welch.

Sheldon, Edward E., New York, N. Y. Device for projection of microwave images. 2,586,391, Feb. 19.

Sheldon, Edward E., New York, N. Y. Motion-picture camera for X-ray images. 2,586,392, Feb. 19.

Shell Development Company, assignee: *See*—
Luten, Daniel B., Jr., and De Benedictis.

Shepard, Frank B., Texon, Tex. Wall outlet box mounting. 2,586,728, Feb. 19.

Shepherd Machine & Tool Co., Inc., assignee: *See*—
Sanford, Paul W.

Sherwin-Williams Company, The, assignee: *See*—
Armitage, Frank, and Sleightholme.
Hewitt, Donald H., and Armitage.
Sleightholme, John J.
Sleightholme, John J., and Hammond.

Shmidl, Albert J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Production of ammonium sulfate. 2,586,729, Feb. 19.

Sigmaigo, Frank K., Kenmore, N. Y. Polymer polysulfides containing ether groups. 2,586,182, Feb. 19.

Silverman, Julia E., New York, N. Y. Diaper protector. 2,586,730, Feb. 19.

Simon, Randolph F., and S. N. Heaps, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Surface generation of seismic waves. 2,586,731, Feb. 19.

Sirard, J. Antonie, assignee: *See*—
Aubertin, Ovila J.

Skelley, Charles L., New York, N. Y. Combined postal scale, check protector, and letter opener. 2,586,443, Feb. 19.

Skiles, Benjamin F., New Castle County, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Spirit-soluble color for duplicating ink. 2,586,570, Feb. 19.

Skinner Irrigation Company, The, assignee: *See*—
Coles, Walter H.

Slater, Charles A., assignee: *See*—
Carpenter, Arley D., and Slater.

Sleightholme, John J.: *See*—
Armitage, Frank, and Sleightholme.

Sleightholme, John J., Carlisle, England, assignor, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Styrene copolymers. 2,586,571, Feb. 19.

Sleightholme, John J., Carlisle, and W. T. C. Hammond, London, England, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Styrene drying-oil copolymers. 2,586,572, Feb. 19.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Gearing. 2,585,971, Feb. 19.

Slopa, George W., assignee: *See*—
Slopa, Robert E.

Slopa, Robert E., assignor of one-half to G. W. Slopa, Chicago, Ill. Door hinge. 2,586,573, Feb. 19.

Smathers, Lawrence S., Leeper, Pa. Water-pressure bearing. 2,586,269, Feb. 19.

Smith, Albert W., Kenmore, N. Y., assignor, by mesne assignments, to Pressed Steel Car Company, Inc. Chain. 2,586,268, Feb. 19.

Smith, Arthur J., Cleveland, Ohio. Door or window frame. 2,586,102, Feb. 19.

Smith, Benjamin H., and G. W. Rosenberger, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pressure measuring apparatus. 2,586,393, Feb. 19.

Smith, David P., Meriden, Conn. Table supported surgical retractor. 2,586,488, Feb. 19.

Smith, Frank P., assignor, by mesne assignments, to The Jeffrey Manufacturing Company, Columbus, Ohio. High-frequency jig. 2,586,574, Feb. 19.

Smith, John W., Norristown, assignor to Philadelphia Air Transport Company, Conshohocken, Pa. Film treating tank with hydraulically driven film spools. 2,586,444, Feb. 19.

Smith, S., & Sons (England) Limited, assignee: *See*—
Davis, Wilfred O.

Smith, Vincent P., Corpus Christi, Tex. Electrically operated hair curler. 2,586,103, Feb. 19.

Smith, William R.: *See*—
Glassmire, William F., and Smith.

Smye, Arthur, London, England, assignor to Pyrene Manufacturing Company, Newark, N. J. Fire-extinguishing apparatus. 2,586,575, Feb. 19.

Smyser, Elmer D., Bakersfield, Calif. Automatic oiler. 2,586,104, Feb. 19.

Sobin, Ben A.: *See*—
Finlay, Alexander C., and Sobin.

Societe Anonyme de Commentry, Fourchambault & Decazeville: *See*—
Eyt, Eugène, and Reygagne.

Societe des Usines Chimiques Rhone-Poulenc, assignee: *See*—
Jacob, Robert M., Llakhoff, and Robert.

Societe Lorraine des Acieries de Rombas (Societe Anonyme), assignee: *See*—
Brun, Max A., and Sauvage.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Simon, Randolph F., and Heaps.

Sohler, Otto L., Cudahy, Wis. Fish-scaling equipment. 2,586,732, Feb. 19.

Sologaistoa, Manuel H. P., San Pedro Sula, Honduras. Device for repairing runs in fabrics. 2,586,733, Feb. 19.

Songer, Charles J.: *See*—
McNerney, Robert P.

Speakman, John B., and A. Crummett, Leeds, England, assignors to Celanese Corporation of America. Treatment of textile materials. 2,586,105, Feb. 19.

Speakman, John B., and A. Crummett, Leeds, England, assignors to Celanese Corporation of America. Finishing of textile fabrics. 2,586,106, Feb. 19.

Spear, J. W., & Sons Limited, assignee: *See*—
Pick, Arnost.

Sperry Corporation, The, assignee: *See*—
Ginzton, Edward L., Hansen, and Varian.
Halpert, Percy.

Spitzmueller, Kurt H.: *See*—
Young, Harland H., and Spitzmueller.

Sprague, Chester E., and A. L. Judson, assignors to Iron Fireman Manufacturing Company, Portland, Oreg. Electric centrifugal switch. 2,586,734, Feb. 19.

Springfield Leather Products Company, The, assignee: *See*—
Whitmer, William R.

Spurgeon, Samuel J., Birmingham, Ala. Hold-down clip for idler rolls. 2,586,270, Feb. 19.

Stacey, Gilbert J., H. W. Thompson, C. H. Vasey, and F. H. S. Curd, deceased, Blackley, Manchester, by M. R. Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited. Manufacture of diquaternary salts of pyrimidylamino quinolines. 2,585,972, Feb. 19.

Stadelmann, Rudolf, Zurich, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland. Infinitely variable-gear for driving gun mounts. 2,586,107, Feb. 19.

Stahl, Lawrence H., assignee: *See*—
Thomas, Clarence M.

Stalter, Joseph F., assignor to Wingfoot Corporation, Akron, Ohio. Packaging machine. 2,586,445, Feb. 19.

Standard Oil Company, assignee: *See*—
Adams, Chester E., Proell, and Ballweber.

Standard Oil Development Company, assignee: *See*—
Arundale, Erving, Gleason, and Banes.
Beddow, Sidney B.
Dart, Jack C.
Howell, William C., Jr.
Matheson, George L., and Mikeska.
McKay, John F., Jr., Yowell, and Jasion.
Mikeska, Louis A.
Morway, Arnold J., and Mikeska.
Mottern, Henry O.
Odell, William W.
Palmer, Jewell S.
Phillips, Cecil, Jr.
Shmidl, Albert J.
Tullos, Frank N.

Stanley, Luther R., and W. H. Pate, Greggton, Tex. Sawmill carriage. 2,586,271, Feb. 19.

Stanley Works, The, assignee: *See*—
Godfrey, James H.

Star Metal Manufacturing Company, assignee: *See*—
Reeb, Eugene H.

Star Welding & Manufacturing Company, Inc., The, assignee: *See*—
Coble, Ernest L.

Starbird, Edward E.: *See*—
Pidacks, Charles, and Starbird.

Stargardt, Friedrich W., Chesterfield County, Va. Tie holder. 2,586,272, Feb. 19.

Steffens, Robert N., Essex Fells, N. J. Die stamping press and die wiper therefor. 2,586,108, Feb. 19.

Steinmueller, Ralph E.: *See*—
Dietert, Harry W., Schuch, and Steinmueller.

Steins, Carleton K., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Locomotive. 2,586,109, Feb. 19.

Stepien, William J., Chicago, Ill. Ornamenting glass. 2,586,394, Feb. 19.

Steven, Glenn A., assignor to The Electro-Glide Company, Inc., Kansas City, Kans. Electrically driven hospital chair. 2,586,273, Feb. 19.

Stewart, Gilbert, assignor to Ex-Cell-O Corporation, Detroit, Mich. Turning machine. 2,586,183, Feb. 19.

Stewart-Warner Corporation, assignee: *See*—
Bender, Joseph L.

Stieglitz, Henry C., assignor to Thompson Products, Inc., Cleveland, Ohio. Milling machine and impeller wheel manufacture. 2,585,973, Feb. 19.

Stigter, Albert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Wireless receiver tunable to a number of wave length ranges. 2,586,576, Feb. 19.

Stilborn, Henry G., Moosomin, Saskatchewan, Canada. Animal tunnel trap. 2,586,110, Feb. 19.

Stivín, Jirí, Rychnov, near Jablonec n N. Czechoslovakia. Dynamoelectric power measuring cutoff. 2,586,577, Feb. 19.

Stockburger, George W., St. Louis, Mo. Receptacle closure. 2,586,446, Feb. 19.

Stoddard, Edgar S., Berwyn, Ill., assignor to Hotpoint, Inc. Counter assembly. 2,586,112, Feb. 19.

Stoltz, Edmund G., Sr., Granite City, Ill. Backwater valve for drains. 2,586,735, Feb. 19.

Strivens, Maurice A., Bridgwater, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Dielectric and making. 2,586,113, Feb. 19.

Strohecker, Henry R., Youngstown, Ohio. Heat-treating rack. 2,586,578, Feb. 19.

Strong Steam Specialty Mfg. Co., assignee: *See*—
Baker, Robert C., and Clark.

Stuivenberg, Cornelis H., Haarlem, Netherlands. Printing device for use in connection with business machines. 2,586,737, Feb. 19.

Sturtevant, Bernard J.: *See*—
Sturtevant, Richard L., B. J., and R. L.

Sturtevant, Richard L. and B. J., Heath Common, Storrington, and R. L. Sturtevant, Jr., Findon Valley, Worthing, England. Hand operated machine for molding blocks or bricks. 2,586,184, Feb. 19.

Sturtevant, Richard L., Jr.: *See*—
Sturtevant, Richard L., B. J., and R. L.

Stuwe, Henry, Westbrook, Minn. Flywheel rotating device. 2,586,185, Feb. 19.

Sty-Jar Products, Inc., assignee: *See*—
Supiro, Lester D.

Sullenberger, Burton E.: *See*—
Meeker, David A., Fox, and Sullenberger.

Sullivan, William E., Springfield, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Side frame construction for power lawn mowers. 2,586,738, Feb. 19.

Summers, Otto M., Abington, assignor to Linear, Inc., Philadelphia, Pa. Gas seal. 2,586,739, Feb. 19.

Supiro, Lester D., Asbury Park, assignor to Sty-Jar Products, Inc., Newark, N. J. Production of cuprous oxide and copper chlorides. 2,586,579, Feb. 19.

Sutter, Paul: *See*—
Kern, Walter, Sutter, and Holbor.

Svarz, Jerry J.: *See*—
Kaiser, Emil, Andersen, and Svarz.

Svenska Turbinfabriks Aktiebolaget Ljungstrom, assignee: *See*—
Brandin, Tore.

Swanberg, Julius, Chicago, Ill. Spoon bait. 2,586,186, Feb. 19.

Swank, Inc., assignee: *See*—
Marien, Clement S.

Swanson, Bror W., Elmwood, assignor, by mesne assignments, to A. F., F. A., J. W., and S. G. Kasprow, New Britain, and M. E. Bailey, New Haven, Conn. Screw thread comparator. 2,586,114, Feb. 19.

Swanson, Reinhold J., Chicago, Ill. Waterproof container. 2,586,740, Feb. 19.

Sweeny, Charles R., Wilmington, Del. Illuminated decorative display ornament. 2,586,741, Feb. 19.

Swift & Company, assignee: *See*—
Young, Harland H., and Spitzmueller.

Switzer Companies, assignee: *See*—
Murphy, Francis H.

Sylvania Electric Products Inc., assignee: *See*—
Burke, Edward W., Jr.
Englert, Ralph A.

Symington-Gould Corporation, The, assignee: *See*—
Barrows, Donald S.

Tange, Otoyuki, and S. Morita, Taga-Mati, Taga-Gun, assignors to Hitachi Limited, Tokyo, Japan. Bushing type electric circuit breaker. 2,586,115, Feb. 19.

Tapp, Ernest T. J., and J. Davey, Fleet, assignors to County Commercial Cars Limited, Fleet, Aldershot, England. Attaching on each side of a vehicle chassis or body a frame carrying an endless driving track. 2,586,642, Feb. 19.

Tappan, Charles: *See*—
Heiderich, Gordon F., and Tappan.

Taylor, John A., Arlington, and M. A. Knight, Clifton, Va. Electrical indicating device. 2,585,974, Feb. 19.

Taylor, Owen L., Beaver Falls, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit cathode-ray oscilloscope. 2,586,395, Feb. 19.

Taylor, Paul H., assignor to Wales-Strippit Corportion, North Tonawanda, N. Y. Actuating element for reciprocable machine elements. 2,586,117, Feb. 19.

Taylor, Ray M., Quakertown, Pa. Tensioning means for loom warp beams. 2,586,116, Feb. 19.

Technicolor Motion Picture Corporation, assignee: *See*—
Andreas, John M.
Pohl, Wadsworth E.

Teeter, Byron B., deceased, Brooklyn, N. Y.: E. T. Teeter, executrix. Vehicle body. 2,585,976, Feb. 19.

Teeter, Elsie T., executrix: *See*—
Teeter, Byron B.

Teletype Corporation, assignee: *See*—
Lake, Ross A.
Potts, Louis M.

Telex Inc., assignee: *See*—
Gilbert, Russell C.

Teller, William R., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Furnace heat exchanger. 2,586,118, Feb. 19.

Tellier, Joseph C., Penn Wynne, and A. R. Alter, assignors to Philco Corporation, Philadelphia, Pa. Frequency modulation detector. 2,586,119, Feb. 19.

Templeton, James O., Jr., Winchester, Tenn. Horizontally swinging bracket supported seat. 2,586,120, Feb. 19.

Terry, Jack E., North Royalton, assignor, by mesne assignments, to The Bingham-Herbrand Corporation, Toledo, Ohio. Pneumatic hammer. 2,585,975, Feb. 19.

Texas Company, The, assignee: *See*—
Glassmire, William F., and Smith.
Watson, Claude W.

Thatcher, Lewis E.: *See*—
Weaver, Ruth K., and Thatcher.

Thomas, Clarence M., Houston, assignor of one-fourth to L. H. Stahl, Harris County, Tex. Motive fuel converter. 2,586,187, Feb. 19.

Thomas, Philip R., Detroit, Mich. Page end indicator for typewriters. 2,586,489, Feb. 19.

Thompson, Ernest S., Strathmore, Calif. Disk gang mounting. 2,586,490, Feb. 19.

Thompson Grinder Company, The, assignee: *See*—
Baldenhofer, William G.
Krafft, Frederick G.
Wilson, John C.

Thompson, H. I., Company, The, assignee: *See*—
Parker, Leon.

Thompson, Henry W.: *See*—
Stacey, Gilbert J., Thompson, Vasey, and Curd.

Thompson, N. H., Jr., assignee: *See*—
Briscoe, Madison H.

Thompson Products, Inc., assignee: *See*—
De Vlieg, Howard R., and Angell.
Graham, Matthew P.
Stieglitz, Henry C.

Thresher, Russell W., and R. B. Parker, United States Coast Guard. Display system for radar navigation. 2,586,743, Feb. 19.

Tilson, Irving, Brooklyn, N. Y. Electrically actuated target game device. 2,586,121, Feb. 19.

Tizzard, Thomas W., Jr., Downers Grove, Ill., assignor to Westinghouse Air Brake Company. Crossover protection apparatus. 2,586,491, Feb. 19.

Todd Company, Inc., The, assignee: *See*—
Payne, Walter B.

Tollenaar, Frederik D., Utrecht, assignor to Nederlandse Centrale Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek The Hague, Netherlands. Preserving foodstuffs which are subject to the attack of fungi. 2,586,274, Feb. 19.

Toulmin, Harry A., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Making layered sponge products of varying densities. 2,586,275, Feb. 19.

Tracerlab, Inc., assignee: *See*—
Clarke, Eric T.

Trampler, Edward, Loveland, Ohio. Machine for spreading road surfacing material. 2,586,396, Feb. 19.

Transmission & Gear Company, The, assignee: *See*—
Gerst, Chris.

Traylor, Samuel W., Jr., Allentown, Pa. Gyratory crusher. 2,586,122, Feb. 19.

Trico Products Corporation, assignee: *See*—
Schaal, Earl V.

Troth, John S., Wayne, Pa., assignor, by mesne assignments, to Robert Gair Company, Inc., New York, N. Y. Apparatus for cutting and scoring blanks. 2,586,744, Feb. 19.

Truitt, Joseph A.: *See*—
Heffelfinger, Robert D., and Truitt.

Truitt, Joseph A., West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Uniform strand tension device. 2,586,123, Feb. 19.

Truscott, John P., assignor to Wingfoot Corporation, Akron, Ohio. Heat sealed wrapping machine and wrapping. 2,586,580, Feb. 19.

Tschache, J. W.: *See*—
Browning, Roe V., and Badgley.

Tschache, Ottley R., assignee: *See*—
Browning, Roe V., and Badgley.

Tschischeck, Marion E., Mayfield Heights, Ohio. Magnifying attachment for syringes. 2,586,581, Feb. 19.

Tullos, Frank N., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Acoustic well logging. 2,586,745, Feb. 19.

Turners Asbestos Cement Company Limited, assignee: *See*—
Rooksby, William H., Homer, and Burgess.

Tuttle, William N., Concord, assignor to General Radio Company, Cambridge, Mass. Speed control system for alternating current motors. 2,586,397, Feb. 19.

Tyler, John E., Riverside, Conn., assignor to Interchemical Corporation, New York, N. Y. Photometric device. 2,586,746, Feb. 19.

Ulrich, Solomon D., Shelbyville, assignor to A. L. Jones, Stewardson, Ill. Fertilizer spreader hood. 2,586,492, Feb. 19.

Umstead, Donald E., Youngstown, Ohio. Foldable collinear antenna. 2,586,276, Feb. 19.

Underwood Corporation, assignee: *See*—
Dobson, William A.

Union Oil Company of California, assignee: *See*—
Backlund, Peter S., and Polizzotto.

United Aircraft Products, Inc., assignee: *See*—
Landis, Elmer.

United-Carr Fastener Corporation, assignee: *See*—
Brown, Robert L.

United Shoe Machinery Corporation, assignee: *See*—
Gudger, Jesse.

United States of America, Dedicated to the People of the: *See*—
Cross, Sherwood T.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Dicke, Gerhard H.
Gray, C. F.
Miller, William T., Dittman, and Reed.

United States Gypsum Company, assignee: *See*—
Schuetz, Clyde C., and Norman.

United States Hoffman Machinery Corporation, assignee: *See*—
Berger, Meyers M.

United States Steel Company, assignee: *See*—
Erland, Gustave G., and Pearson.
Hodge, John M., and Manning.

Universal Oil Products Company, assignee: *See*—
Ipatieff, Vladimir N., and Pines.

Universal Wire Spring Company, The, assignee: *See*—
Neely, William H.

Uschmann, Curt, Lebanon, assignor to Cascades Plywood Corporation, Portland, Oreg. Sulfite liquor treating processes and products. 2,585,977, Feb. 19.

Vadolt Trust, assignee: *See*—
Doelter, Gandolph.

Van Amerongen, Gerrit J., The Hague, assignor to Rubber-Stichting, Delft, Netherlands. Preparation of chlorinated rubber. 2,586,124, Feb. 19.

Van Atta, Floyd A., Chicago, Ill., and W. G. Legge, New York, N. Y.; said Legge assignor to said Van Atta. Detachable body grounding device. 2,586,747, Feb. 19.

Van Atta, George R., E. B. Kester, and H. S. Olcott, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilizing rice products. 2,585,978, Feb. 19.

Van Blarcom, Elsworth C., Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing the continuity of fuses. 2,586,125, Feb. 19.

Van Eldik, Pieter F., and H. N. Hansen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising an amplifier, a photoelectric cell and a lead connecting them. 2,586,582, Feb. 19.

Vanton Pump Corporation, assignee: *See*—
MacCormack, John G.

Van Wirt, Alfred E., and G. F. Jones, assignors to Imperial Paper and Color Corporation, Glens Falls, N. Y. Pigment coloring. 2,586,188, Feb. 19.

Varian, Russell H.: *See*—
Ginzton, Edward L., Hansen, and Varian.

Varo Mfg Co., Inc., assignee: *See*—
Holt, William J., Jr.

Vars, Ethan W., Bellefonte, Pa. Spray-type dish-washing machine having a circulating pump and plural rotatable strainer means selectively cooperable therewith. 2,586,398, Feb. 19.

Vasey, Charles H.: *See*—
Stacey, Gilbert J., Thompson, Vasey, and Curd.

Vasey, Charles H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of quaternary salts of pyrimidylamino quinolines. 2,585,979, Feb. 19.

Vasta, John, Washington, D. C. Ship construction. 2,585,980, Feb. 19.

Velut, René, Francueil, assignor to Anciens Etablissements R. Velut (Société a Responsabilité Limitée), Paris, France. Device for collecting liquids. 2,586,309, Feb. 19.

Vendo Company, The, assignee: *See*—
Manley, Robert T.

Villebonnet, Georges, Gentilly, France. Regulation of direct-current sources for the supply of electric receivers. 2,586,748, Feb. 19.

Voelker, Cecil J., Yakima, Wash. Horse simulated swing. 2,586,277, Feb. 19.

Von Essen, John F., Floral Park, N. Y. Antiskid attachment for shoes. 2,586,749, Feb. 19.

Von Seemann, Carl: *See*—
Grant, Gordon A., and von Seemann.

Von Zelewsky, Ottomar, Neuhausen-on-the-Rheinfall, assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Spindle support for machine tools. 2,586,126, Feb. 19.

Von Zelewsky, Ottomar, Neuhausen-on-the-Rheinfall, assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Tailstock for machine tools. 2,586,127, Feb. 19.

Wadsworth, Francis T., Dickinson, assignor to Pan American Refining Corporation, Texas City, Tex. Preparation of phthalic anhydride from 3.4.0 bicyclic nonyl hydrocarbon. 2,586,128, Feb. 19.

Wagner, Adam, assignor to Ernst Leitz G. m. b. H., Wetzlar, Germany. Foldable reflector. 2,586,583, Feb. 19.

Wagner, Herbert E., Los Angeles, Calif. Multiple circuit control switch. 2,586,750, Feb. 19.

Wagner, Paul R., Banning, Calif. Billfold protector. 2,586,584, Feb. 19.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating circuits and devices for electric discharge devices. 2,586,400, Feb. 19.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating circuits and devices for electric discharge devices. 2,586,401, Feb. 19.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating circuits and devices for electric discharge devices. 2,586,402, Feb. 19.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating circuit and device for electric discharge devices. 2,586,403, Feb. 19.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating devices and circuits for electric discharge devices. 2,586,404, Feb. 19.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating circuits and devices for electric discharge devices. 2,586,405, Feb. 19.

Wales-Strippit Corporation, assignee: *See*—
Paxhia, Emanuel F.
Taylor, Paul H.

Walker, Doreen, executrix: *See*—
Blumlein, Alan D.

Wallace, Burgess P., Brooklyn, assignor to Whitehead Brothers Company, New York, N. Y. Synthetic mold composition. 2,586,585, Feb. 19.

Wallgren, August G. F., Stockholm, Sweden. Double row roller bearing. 2,586,406, Feb. 19.

Wallin, Fred E., assignor to National Slug Rejectors, Inc., St. Louis, Mo. Electric multiple coin evaluator. 2,586,129, Feb. 19.

Walrath, Raymond L., Laurelton, N. Y. Windmill toy. 2,586,189, Feb. 19.

Walsh, Conrad L., and B. A. Adams, assignors to A. S. P. Chemical Company Limited, Bulstrode, Gerrards Cross, England. Extraction of pectic substances from vegetable matter. 2,586,407, Feb. 19.

War, United States of America as represented by the Secretary of, assignee: *See*—
Coleman, Joseph E.
Harvey, Earle M.
Hershberg, Emanuel B., and Coburn.
Hickman, Clarence N.

Ward, Michael J., Detroit, Mich. Burner for liquid fuels. 2,586,493, Feb. 19.

Warren, Estel M., Clinton, N. C. Safety device for tractors. 2,586,130, Feb. 19.

Washburn, Dan D., El Cerrito, and W. L. Elder, Richmond, assignors to Cutter Laboratories, Berkeley, Calif. Vial filler. 2,586,586 Feb. 19.

Wasmansdorff, Carlton, Berkeley, Calif. Radio receiver noise reducing circuit. 2,586,190, Feb. 19.

Wasserman, David, New York, N. Y., assignor to The Harvel Corporation. Salts of sulfonated ethers of hydrogenated cardanol as inhibitors for mineral hydrocarbon oils. 2,586,191, Feb. 19.

Waters, Harry, New York, N. Y. Self-ignition gas burner. 2,586,278, Feb. 19.

Watkins, Harry C.: *See*—
Bailey, Gordon L. J., and Watkins.

Watson, Claude W., Scarsdale, assignor to The Texas Company, New York, N. Y. Catalytic conversion of carbon oxides. 2,585,981, Feb. 19.

Watson, Ernest A., Coventry, and J. S. Clarke, Burnley, assignors to Joseph Lucas Limited, Birmingham, England. Air distribution baffling about the fuel nozzle of combustion chambers. 2,586,751, Feb. 19.

Waukesha Motor Company, assignee: *See*—
Pope, Arthur W., Jr.

Way, Alben W., Philadelphia, Pa. Apparatus for separating solids from a liquid body. 2,586,447, Feb. 19.

Weaver, Ruth K., Chicago, and L. E. Thatcher, Berwyn, assignors to Gaylord Products, Incorporated, Chicago, Ill. Bobby pin display card. 2,586,192, Feb. 19.

Webb, Jervis B., Company, assignee: *See*—
Rose, Andrew G.

Weber, Ernst, Mount Vernon, and S. A. Johnson, New York, assignors to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Alloy resistance element and manufacturing same. 2,586,752, Feb. 19.

Weber, Joseph J., and R. M. Wilhelm, New York, N. Y., assignors to Miller & Weber, Inc. Thermometer case. 2,586,448, Feb. 19.

Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Baffle for tube assemblies. 2,586,408, Feb. 19.

Welch, Jacob T.: *See*—
Linxweiler, Carl J., Moss, and Welch.

Wells, Alton R., assignee: *See*—
Dales, George F.

Wells, Verney F., Hampstead, N. C. Pressure regulator. 2,586,131, Feb. 19.

Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Keyed automatic gain control system. 2,586,193, Feb. 19.

Wendt, Merle E., assignor to Wingfoot Corporation, Akron, Ohio. Polyethylene film as an adhesive casting surface. 2,586,587, Feb. 19.

Weseman, Chester A., Austin, Minn., and C. E. Enger, Los Angeles, Calif., assignors to Roberts Products, Incorporated, Austin, Minn. Mechanism for producing clear ice bodies. 2,586,588, Feb. 19.

Western Electric Company, Incorporated, assignee: *See*—
Boynton, Wentworth D.
Bunch, Tillman T.
Ewaldson, Waldemar C., and Selvig.
Herzog, Carl.
Van Blarcom, Elsworth C.

Westinghouse Air Brake Company, assignee: *See*—
Fallor, Charles W.
Tizzard, Thomas W., Jr.

Westinghouse Electric Corporation, assignee: *See*—
Abell, Donald E.
Ackermann, Otto.
Baker, Benjamin P., and Browne.
Bryant, Ozro N.
Coltman, John W., and Longini.
Dill, Everett C.
Ford, James G.
Grissinger, George G., Lindstrom, and Sandin.
Hagopian, Richard H.
Hodnette, John K., and Leonard.
Hushley, Walter J., and Longini.
Keyes, John J.
Lee, Reuben.
Lensner, Herbert W.
Leonard, Merrill G., and Hager.
Marsden, Douglas J.
McClellan, Cyril E.
Mershon, Clarence L.
Meyer, Frank A.
Pennow, Willis A.
Runk, Robert H.
Smith, Benjamin H., and Rosenberger.
Taylor, Owen L.
Winchester, Amos J., Jr.

Westward Washing Machine Company, assignee: *See*—
Bennett, Wesley B.

White, Eric L. C.: *See*—
Blumlein, Alan D.

White, Eric L. C., Iver, assignor to Electric & Musical Industries Limited, Hayes, England. Electrical pulse generating circuits. 2,586,409, Feb. 19.

White, Eugene T., Jr., Northwest, Va. Truck grain body. 2,586,279, Feb. 19.

White, J. Samuel, & Company Limited, assignee: *See*—
Hoare, Arthur.

Whitehead Brothers Company, assignee: *See*—
Wallace, Burgess P.

Whitmer, William R., assignor to The Springfield Leather Products Company, Springfield, Ohio. Billfold. 2,586,132, Feb. 19.

Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corportion, Detroit, Mich. Lid handle and latch mechanism. 2,586,753, Feb. 19.

Whitney Blake Company, The, assignee: *See*—
Judisch, Carl M.

Whitten, Owen M., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Liquid level indicator. 2,586,449, Feb. 19.

Whitten, Owen M., and R. L. Atkin, assignors to Kelsey-Hayes Wheel Company, Detroit, Mich. Control device. 2,586,450, Feb. 19.

Wideroe, Rolf, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Apparatus for controlling electron path in an electron accelerator. 2,586,494, Feb. 19.

Wiedmann, Ernst, Summit, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission and control for guns. 2,586,280, Feb. 19.

Wigginton Company, The, assignee: *See*—
Boyle, Francis B.

Wilcox & Gibbs Sewing Machine Company, assignee: *See*—
Nelson, Clarence R.

Wild, Norman R., East Natick, assignor to Raytheon Manufacturing Company, Newton, Mass. Radio-frequency system. 2,586,754, Feb. 10.

Wilmber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Cutter for gears, face couplings, and the like. 2,586,451, Feb. 19.

Wilhelm, Robert M.: *See*—
Weber, Joseph J., and Wilhelm.

Wilken, Casey J., Herndon, Va. Treating potable distilled spirits. 2,586,133, Feb. 19.

Willemse, Theo W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for charging a capacity. 2,586,589, Feb. 19.

Williams, Elmer R., Tulsa, Okla. Liquid level control. 2,586,410, Feb. 19.

Williamson, Loyal A., Jr.: *See*—
Carson, William T., Jr., and Williamson.

Wilson Products, Inc., assignee: *See*—
Johnson, Gerald C., and Pereiman.

Wilson, John A., Columbus, Ohio, assignor to The Lennox Furnace Co., Marshalltown, Iowa. Liquid fuel burner and control. 2,586,411, Feb. 19.

Wilson, John B., assignor to Basca Manufacturing Co., Inc., Indianapolis, Ind. Machine for delivering articles serially. 2,586,281, Feb. 19.

Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Method and apparatus for grinding. 2,586,755, Feb. 19.

Wilson, Robert A., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing alkylene oxide condensation products. 2,586,767, Feb. 19.

Wilson, Thomas H.: *See*—
Richardson, Ronald H., and Wilson.

Winchester, Amos J., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for dynamoelectric machines. 2,586,412, Feb. 19.

Wingfoot Corporation, assignee: *See*—
Collier, George H.
Enabnit, Robert S.
Lepp, Gerhard J., Bateman, and Emberson.
Stalter, Joseph F.
Truscott, John P.
Wendt, Merle E.

Winter, Charles H., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of metals. 2,586,134, Feb. 19.

Wochner, Henry, assignor to Bear Manufacturing Company, Rock Island, Ill. Measuring head for automotive wheel alignment gauges. 2,586,194, Feb. 19.

Wolfe, John R., Chicago, and C. E. Kelley, Hinsdale, Ill. Device for setting keys on valve stems. 2,586,756, Feb. 19.

Wood, Arthur R., New York, N. Y. Smoking pipe. 2,586,195, Feb. 19.

Wood, Robert L., Smyrna, Ga. Bed crane for invalids. 2,585,982, Feb. 19.

Woodruff, Ben H., Chicago, Ill. Door closer. 2,586,135, Feb. 19.

Woods, Gilbert F., Jr.: *See*—
Schwartzman, Louis H., and Woods.

Woods, James A., Richmond, Calif. Combination baby bouncer and baby carriage. 2,586,495, Feb. 19.

Woog, Paul, assignor to Compagnie Francaise de Raffinage (Societe Anonyme), Paris, France. Manufacture of lubricating oils from shale oil. 2,586,590, Feb. 19.

Wooster Rubbert Company, The, assignee: *See*—
Caldwell, James R.

Wren, John T., Charleston, S. C. Railway surfacing, tie spacing, and tamping machine. 2,586,282, Feb. 19.

Wummel, Clarence H., and E. V. Dubowski, Chicago, Ill., said Dubowski assignor to said Wummel. Door hinge check. 2,586,757, Feb. 19.

Wyndham, Charles A., Bellingham, Wash. Rotary hydraulic coupling. 2,586,136, Feb. 19.

Wynn, Herman D., Knoxville, Tenn. Handle for football dummies. 2,586,283, Feb. 19.

Yetter, Edward W.: *See*—
Beggs, George E., Jr., and Yetter.

Yoder, William C., and C. A. Garis, Bangor, Pa. Load weight indicator. 2,586,137, Feb. 19.

York Corporation, assignee: *See*—
Andrews, John M.

Young, Harland H., and K. H. Spitzmueller, assignors to Swift & Company, Chicago, Ill. Detergent composition and preparing same. 2,586,496, Feb. 19.

Youngstown Steel Door Company, The, assignee: *See*—
Beauchamp, Wilfred A.

Yowell, Howard L.: *See*—
McKay, John F., Jr., Yowell, and Jaslon.
Yuba Manufacturing Company, assignee: *See*—
Harris, Robert L., and Lothrop.
Zaitzman, Arthur, assignor to Cribben and Sexton Company, Chicago, Ill. Stove drawer track. 2,586,138, Feb. 19.
Zenith Radio Corporation, assignee: *See*—
Czeropski, Walter P., Jr., and Gray.
Zerr, Karl, Rego Park, N. Y. Jewelry chain connector. 2,586,758, Feb. 19.
Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Pressure relief valve assembly. 2,586,759, Feb. 19.
Zimmer, Raymond R.: *See*—
Mills, Ellsworth L., and Zimmer.
Zuckerman, Samuel, assignee: *See*—
Ashby, Willie R.

LIST OF PLANT INVENTIONS

Apple tree. A. J. Mars. 1,075, Feb. 19.

LIST OF DESIGN INVENTIONS

Air circulating rotor or similar article. J. H. Woodward. 166,010–13, Feb. 19.
Air distribution outlet. W. W. Kennedy. 165,983, Feb. 19.
Analytical balance. C. Otto and J. Doblin. 165,996, Feb. 19.
Barbecue, Portable. M. B. Pollard. 165,998, Feb. 19.
Booty drier and coat hanger, Combination. G. J. Kupchik. 165,988, Feb. 19.
Bottle. J. Serra. 166,002, Feb. 19.
Bowl, Salad. C. O. Bliss. 165,960, Feb. 19.
Coat, House. A. Macksoud. 165,992, Feb. 19.
Container for nail polish or the like. W. B. Crane. 165,964, Feb. 19.
Cup. R. Wright. 166,014, Feb. 19.
Dental hand-piece. R. B. Black. 165,958, Feb. 19.
Dish, Glass. P. G. Sailer. 166,001, Feb. 19.
Electrical cap. L. Ludwig. 165,991, Feb. 19.
Exhaust pipe extension or similar article for an automobile. C. G. Koonter. 165,985–6, Feb. 19.
Faucet. K. Krafft. 165,987, Feb. 19.
Flight trainer hood. F. W. Davis. 165,966, Feb. 19.
Floor covering. P. C. Waite. 166,007, Feb. 19.
Flow gauge. F. K. Daniel. 165,965, Feb. 19.
Galvanometer. S. S. Leotta. 165,989, Feb. 19.
Glass, Cocktail. C. J. Witten. 166,008, Feb. 19.
Handbag, Lady's. L. Bley. 165,959, Feb. 19.
Hand glare shield. E. C. Holt. 165,979, Feb. 19.
Holder, Knife sharpening. D. D. Duncan. 165,970, Feb. 19.
Housing for bowling games and the like. C. T. Breitenstein. 165,961, Feb. 19.
Jacket-handle unit and water bottle, Combined. J. H. Konefes. 165,984, Feb. 19.
Latch. C. O. Goserud. 165,976, Feb. 19.
Liquid containing reservoir of a drink dispensing machine. G. Persak, Jr. 165,997, Feb. 19.
Matchbook case or similar article. D. Sobel. 166,004, Feb. 19.
Meter, Parking. W. N. Woodruff. 166,009, Feb. 19.
Negligee. V. Giovagnoni. 165,972, Feb. 19.
Nut cracker. W. H. Ammon. 165,956, Feb. 19.
Orange peeler. A. Howard. 165,980, Feb. 19.
Pair of spectacles. A. Girouard. 165,973, Feb. 19.
Paper registration guide for an electrophotographic copying machine. C. R. Mayo. 165,993, Feb. 19.
Pump, Fluid proportioning. R. B. Saalfrank and A. D. Fell, Jr. 166,000, Feb. 19.
Rack for tables, Article holding. E. F. Husted. 165,981, Feb. 19.
Rack, Olive. M. B. and E. L. Del Conte. 165,968–9, Feb. 19.
Scriber. F. N. Day. 165,967, Feb. 19.
Sewing machine cabinet and seat, Combined. H. A. Trumfio. 166,006, Feb. 19.
Sheet metal frame for grilles and the like. W. W. Kennedy. 165,982, Feb. 19.
Shoe. R. E. Frederick. 165,971, Feb. 19.
Slipper. G. Cohn. 165,962–3, Feb. 19.
Spandrel panel. R. W. Haman, A. B. Girardy, and D. W. Doman. 165,977–8, Feb. 19.
Stand, Display. H. P. Glass. 165,974, Feb. 19.
Stocking. H. N. Goodman. 165,975, Feb. 19.
Stocking. J. Miran. 165,994–5, Feb. 19.
Stocking, Lady's. L. Poole. 165,999, Feb. 19.
Suit, Play. T. Leser. 165,990, Feb. 19.
Television, radio-phonograph, and beverage cabinet, Combination. S. E. Adler. 165,955, Feb. 19.
Toy fire truck. L. W. Sly, H. G. Fisher, R. W. Crawford and W. P. Doe. 166,003, Feb. 19.
Toy, Santa Claus windmill. C. F. Baumann and V Schultz. 165,957, Feb. 19.
Truck, Hand. W. E. Summerhill. 166,005, Feb. 19.

Yowell, Howard L.: *See*—
McKay, John F., Jr., Yowell, and Jaslon.
Yuba Manufacturing Company, assignee: *See*—
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Truck, Hand. W. E. Summerhill. 166,005, Feb. 19.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF FEBRUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accumulator. S. C. Collins. 2,586,207, Feb. 19.
Acetals, Production of. R. L. Adelman. 2,586,139, Feb. 19.
Acetylation of cellulose. E. F. Evans. 2,586,633, Feb. 19.
Acoustic well logging. F. N. Tullos. 2,586,745, Feb. 19.
Actuating element for reciprocable machine elements. E. F. Pazhia. 2,586,478, Feb. 19.
Actuating element for reciprocable machine elements. P. H. Taylor. 2,586,117, Feb. 19.
Acylated thiol esters from etiobilienic acid esters. G. A. Grant and C. von Seemann. 2,586,533, Feb. 19.
Adding machine, Dial. E. T. Knopke. 2,586,058, Feb. 19.
Adjustable and shiftable feed finger mechanism for tag marking machines. F. L. Rieger. 2,586,563, Feb. 19.
Adjustable vehicle seat. J. M. Dorton. 2,586,012, Feb. 19.
Adjusting fitting for tool assemblies for reshaping deformed automobile body parts. J. W. Geddes and H. C. Ferguson. 2,586,158, Feb. 19.
Air cleaner. G. F. McDougall. 2,586,243, Feb. 19.
Aircraft automatic pilot. P. Halpert. 2,586,034, Feb. 19.
Air cycle cooling system. W. T. Carson, Jr. and L. A. Williamson, Jr. 2,586,002, Feb. 19.
Air deflector for automobile windows. H. B. Riggs. 2,586,090, Feb. 19.
Air distribution baffling about the fuel nozzle of combustion chambers. E. A. Watson and J. S. Clarke. 2,586,751, Feb. 19.
Airplane provided with jet propulsion means. V. J. Burnelli. 2,586,299, Feb. 19.
Alkaline dry cell, Hermetically sealed. G. B. Ellis. 2,585,922, Feb. 19.
Alkylation process. C. E. Adams, W. A. Proell, and E. G. Ballweber. 2,585,983, Feb. 19.
Alkylene oxide condensation products, Producing. R. A. Wilson. 2,586,767, Feb. 19.
Alloy: *See*—
Aluminum alloy.
Alloy resistance element and manufacturing same. E. Weber and S. A. Johnson. 2,586,752, Feb. 19.
Aluminum alloy. H. E. Gresham and D. W. Hall. 2,586,647, Feb. 19.
Aluminum sulfamate antiperspirant. L. D. Apperson and E. L. Richardson. 2,586,288, Feb. 19.
Aluminum sulfamate antiperspirant preparation. L. D. Apperson and E. L. Richardson. 2,586,287, Feb. 19.
Aminoketones, Preparing. M. Asscher. 2,585,988, Feb. 19.
Aminophylline fatty alcohol suppository. E. K. Harvill. 2,586,329, Feb. 19.
Ammonium sulfate, Production of. A. J. Shmidl. 2,586,729, Feb. 19.
Ammonium thiosulfate. H. V. Farr and J. R. Ruhoff. 2,586,459, Feb. 19.
Amplifier and automatic limiter, Inverter. D. L. Hings. 2,586,230, Feb. 19.
Analyzer gauge. P. W. Johnson. 2,586,053, Feb. 19.
Animal trap. R. J. Rhines. 2,586,261, Feb. 19.
Animal tunnel trap. H. G. Stilborn. 2,586,110, Feb. 19.
Antenna, Foldable collinear. D. E. Umstead. 2,586,276, Feb. 19.
Antiscald and proportioning valve. P. W. Sanford. 2,586,180, Feb. 19.
Antiskid attachment for shoes. J. F. Von Essen. 2,586,749, Feb. 19.
Apparatus and method for dispersing a phosphor in a liquid. W. J. Hushley and R. L. Longini. 2,586,338, Feb. 19.
Apparatus and method for embossing thermoplastic film. M. A. Chavannes. 2,585,915, Feb. 19.
Apparatus for and method of making tubular rivet elements. L. C. Huck. 2,586,336, Feb. 19.
Apparatus for and system of gaseous tube lighting. P. K. Ranney. 2,585,963, Feb. 19.
Apparatus for coating internal surfaces of hollow glassware. R. A. Kuebler. 2,586,348, Feb. 19.
Apparatus for combining finely divided solid material with liquid. A. T. Coakley. 2,586,613, Feb. 19.
Apparatus for controlling and measuring the concentration of solutions. R. V. Kline. 2,586,169, Feb. 19.
Apparatus for controlling electron path in an electron accelerator. R. Wideroe. 2,586,494, Feb. 19.
Apparatus for controlling the flow of dye liquor through kiers. W. E. J. McMann. 2,586,244, Feb. 19.
Apparatus for controlling the rate of pouring fluid material from one container into another. T. W. Ratcliffe and S. O. Evans. 2,586,713, Feb. 19.
Apparatus for cutting and scoring blanks. J. S. Troth. 2,586,744, Feb. 19.
Apparatus for electric arc spot welding. N. E. Anderson. 2,586,140, Feb. 19.
Apparatus for forming drop-center rims. R. O. Greenshields, O. E. Schmidt, and J. G. Kay. 2,586,029, Feb. 19.
Apparatus for making steel castings. W. M. Duncan. 2,586,212, Feb. 19.
Apparatus for measuring rapid cooling rates. W. T. Haswell, Jr. 2,585,934, Feb. 19.
Apparatus for passing cleaner fluid through fabrics. R. K. Sedgwick. 2,586,569, Feb. 19.
Apparatus for piercing and clenching superposed sheets. J. Pettorossi. 2,586,479, Feb. 19.
Apparatus for producing drive pins. H. R. Hilstrom. 2,586,166, Feb. 19.
Apparatus for proportioning conditions. A. J. Rosenberger. 2,586,093, Feb. 19.
Apparatus for relieving the teeth of circular cutting elements. R. W. Andreasson. 2,585,986, Feb. 19.
Apparatus for separating solids from a liquid body. A. W. Way. 2,586,447, Feb. 19.
Apparatus for shaping clayware. A. G. Ellis. 2,586,628, Feb. 19.
Apparatus for supporting and washing Venetian blinds. W. S. DeHart. 2,586,620, Feb. 19.
Apparatus for testing the continuity of fuses. E. C. Van Blarcom. 2,586,125, Feb. 19.
Apparatus for the administration of inhalant gas mixtures. H. R. Marrett. 2,586,677, Feb. 19.
Apparatus for treating materials by ultraviolet radiation. V. M. Downey. 2,586,625, Feb. 19.
Applying a seal to a radial groove. H. R. Reynolds and C. G. Bidwell. 2,586,087, Feb. 19.
Armrest, Automobile window. C. B. Esch. 2,586,631, Feb. 19.
Arrangement for measuring or indicating the flow of fluids. H. Kronberger. 2,586,060, Feb. 19.
Article of furniture. J. B. Robins. 2,586,262, Feb. 19.
Artificial fly body, Interlaced segmented. A. P. Ross. 2,586,719, Feb. 19.
Aryl mercury salts of chloro substituted phenoxyacetic acids. P. A. Sartoretto. 2,586,387, Feb. 19.
Atomizer for damping the cylinders in offset printing machines, Water. M. Ras. 2,586,480, Feb. 19.
Atomizer, Nasal. H. S. Backus. 2,586,502, Feb. 19.
Attaching on each side of a vehicle chassis or body a frame carrying an endless driving track. E. T. J. Tapp and J. Davey. 2,586,742, Feb. 19.
Auto cycle and like power assisted vehicle and motor for such vehicle. N. Obram. 2,586,702, Feb. 19.
Automatic frequency control system. E. L. Ginzton, W. W. Hansen, and R. H. Varian. 2,586,497, Feb. 19.
Automatic slide changing and picture dissolving mechanism for still picture projectors. C. J. Cadwell and F. M. Adamson. 2,586,611, Feb. 19.
Auto mirror, radio antenna, light and directional signal construction, Combined. H. Garlow. 2,586,643, Feb. 19.
Automotive variable-speed and drive power transmission. G. T. Randol. 2,585,964, Feb. 19.
Auxiliary rotor for tiller gear casings. C. W. Kelsey. 2,586,542, Feb. 19.
Awning, Rigid. F. W. Hughes. 2,586,337, Feb. 19.
Awning structure. F. Fields. 2,586,318, Feb. 19.
Baby bouncer and baby carriage, Combination. J. A. Woods. 2,586,495, Feb. 19.
Baffle for tube assemblies. L. J. Weber. 2,586,408, Feb. 19.
Baler. E. H. St. Onge. 2,586,736, Feb. 19.
Ball pitching and catching device. H. G. Atwell. 2,585,989, Feb. 19.
Ball retarder for bowling alleys. J. Rodock. 2,586,718, Feb. 19.
Basket, Glass washing. A. Colonna. 2,586,005, Feb. 19.
Bassinet and child's seat, Convertible. S. Linden. 2,586,237, Feb. 19.
Bathythermograph pen lifting attachment. F. K. Eccles. 2,585,921, Feb. 19.
Beacon having duplicate lamp systems one of which is automatically energized upon failure of the other, Rotating. W. A. Pennow. 2,586,375, Feb. 19.
Bearing: *See*— Water-pressure bearing.
Double row roller bearing.
Bearing. L. J. F. Ell. 2,586,627, Feb. 19.
Bearing. H. W. Schultz. 2,586,099–100 Feb. 19.
Bed and partition construction. D. A. Hunt. 2,586,232, Feb. 19.
Bed crane for invalids. R. L. Wood. 2,585,982, Feb. 19.
Belt. R. M. Leven. 2,586,355, Feb. 19.

Belt, Stretchable. M. Epstein. 2,586,457, Feb. 19.
Beneficiation of nonmetallic ores. I. M. Le Baron, W. O. McClintock, and J. E. Lawyer. 2,586,545, Feb. 19.
Billfold. W. R. Whitmer. 2,586,132, Feb. 19.
Billfold protector. P. R. Wagner. 2,586,584, Feb. 19.
Binder post, Flexible. A. Mullikin. 2,586,556, Feb. 19.
Bit for drilling noncircular holes. S. R. Powell. 2,586,084, Feb. 19.
Book of perspective views. P. Manen-Mayol. 2,586,071, Feb. 19.
Booster apparatus for conveyer drives. G. G. Erland and A. B. Pearson. 2,586,630, Feb. 19.
Bottle closure. W. Satz. 2,586,440, Feb. 19.
Bottle seal and filter. L. W. Jordan. 2,585,938, Feb. 19.
Bowling pin spotting and respotting apparatus. M. Patterson. 2,586,707, Feb. 19.
Bowling pin spotting mechanism. P. M. Nejedly and A. B. Johansson. 2,586,697, Feb. 19.
Box lid, Journal. D. S. Barrows. 2,586,399, Feb. 19.
Brace, Back. H. Hörmann. 2,586,658, Feb. 19.
Brake: *See*—
Mechanical aircraft brake.
Brassière. T. B. Schaumer. 2,586,267, Feb. 19.
Brassière, Wired. G. W. Gluckin. 2,586,529, Feb. 19.
Bridge table cover. I. Eisman. 2,586,153, Feb. 19.
Burner: *See*—
Self-ignition gas burner.
Burner for liquid fuels. M. J. Ward. 2,586,493, Feb. 19.
Bushing. B. S. Gerson. 2,586,528, Feb. 19.
Bushing replacer. B. C. Hamilton. 2,586,222, Feb. 19.
Cabinet: *See*—
Checking cabinet.
Cable having a nonmigratory insulating compound, Electric. A. King. 2,586,345, Feb. 19.
Cable tightening and reeling apparatus. S. W. Hyatt. 2,586,048, Feb. 19.
Calcium arsenate and gamma benzene hexachloride insecticide and method, Lime-free. T. W. Collins, Jr. 2,586,319, Feb. 19.
Camera and stand therefor. H. Gelb. 2,585,927, Feb. 19.
Camera for X-ray images, Motion-picture. E. E. Sheldon. 2,586,392, Feb. 19.
Can unscrambler. E. R. Dudley, Jr. 2,586,523, Feb. 19.
Capsules containing chloral hydrate, Gelatin. A. E. Meyer. 2,585,903, Feb. 19.
Car coupler. W. J. Metzger. 2,585,958, Feb. 19.
Carbonating apparatus. M. G. Anderson. 2,586,499, Feb. 19.
Carrier: *See*—
Foldable cardboard bottle carrier. Linked slide carrier.
Carrier for shuttleless looms, Filling. M. R. Flamand. 2,586,638, Feb. 19.
Cartridge feed device for automatic firearms. B. Maillard. 2,586,358, Feb. 19.
Case: *See*—
Thermometer case.
Casting apparatus. C. F. Gray. 2,586,027, Feb. 19.
Catalytic conversion of carbon oxides. C. W. Watson. 2,585,981, Feb. 19.
Catalytic dehydrogenation of alcohols to carbonyl compounds. H. O. Mottern. 2,586,694, Feb. 19.
Catalytic hydrogenation of aromatic hydrocarbons in a stainless steel reactor. V. N. Ipatieff and H. Pines. 2,586,535, Feb. 19.
Ceiling suspension clasp hook. W. J. Haertel. 2,586,327, Feb. 19.
Center screw filter. C. J. Fusco. 2,586,021, Feb. 19.
Centering gauge. L. Freimark. 2,586,639, Feb. 19.
Centrifugal casting machine. R. W. Kurtz. 2,586,349, Feb. 19.
Certifying device for cash registers. B. Beria. 2,586,201, Feb. 19.
Chain. A. W. Smith. 2,586,268, Feb. 19.
Chair: *See*—
Electrically driven hospital chair. Weatherproof folding chair.
Chart reading device. P. B. Keller. 2,586,430, Feb. 19.
Checking cabinet. E. W. Davis. 2,585,919, Feb. 19.
Chewing gum and making the same. W. J. Lutz. 2,586,675, Feb. 19.
Chip breaker relief grinding fixture. J. J. Sanders. 2,585,966, Feb. 19.
Chlorinated rubber, Preparation of. G. J. van Amerongen. 2,586,124, Feb. 19.
Chlorinating phthalocyanine coloring matters. G. Barnhart and R. W. Grimble. 2,586,598, Feb. 19.
Chloropentafluorobenzene. E. T. McBee, W. B. Ligett, and V. V. Lindgren. 2,586,364, Feb. 19.
Chocolate, Bloom inhibited. S. T. Cross. 2,586,615, Feb. 19.
Cigarette case and ash tray, Combined pocket. F. J. Epler and H. J. Pfau. 2,585,923, Feb. 19.
Cigarette extinguisher. M. Horlick. 2,586,466, Feb. 19.
Circuit: *See*—
Private branch exchange trunk circuit. Radio receiver noise reducing circuit.
Circuit breaker, Bushing type electric. O. Tange and S. Morita. 2,586,115, Feb. 19.
Circuit breaker, Fluid pressure operated. D. J. Marsden. 2,586,361, Feb. 19.
Circuit breaker, Impact. D. P. Rudisill. 2,586,384, Feb. 19.
Circuit breaker operating mechanism. J. K. Hodnette and M. G. Leonard. 2,586,429, Feb. 19.
Circuit cathode-ray oscilloscope. O. L. Taylor. 2,586,395, Feb. 19.
Circuit interrupter. B. P. Baker and T. E. Browne, Jr. 2,586,290, Feb. 19.
Circuit interrupter trip device. G. G. Grissinger, T. Lindstrom, and J. Sandin. 2,586,326, Feb. 19.
Circuit interrupting means. G. F. McMahon. 2,586,171, Feb. 19.
Circuits and devices for electric discharge devices, Starting and operating. P. Waguet. 2,586,400–3, Feb. 19.
Circuits and devices for electric discharge devices, Starting and operating. P. Waguet. 2,586,405, Feb. 19.
Clamp: *See*—
Duplicating machine plate clamp. Pressure fluid clamp.
Clamping device for adjustable headrests. H. B. Cole. 2,586,417, Feb. 19.
Cleaner: *See*—
Air cleaner. Windshield cleaner.
Clip for idler rolls, Hold-down. S. J. Spurgeon. 2,586,270, Feb. 19.
Clip with bendable legs. W. Schafroth. 2,586,388, Feb. 19.
Clipper and electric motor therefor, J. W. Boerger. 2,586,415, Feb. 19.
Clock, Advertising display. C. Gabrielsen. 2,586,641, Feb. 19.
Clock, Electric alarm. W. P. Gallagher. 2,586,642, Feb. 19.
Closure cap for liquid spray containers. R. Mellon. 2,586,687, Feb. 19.
Clothesline, pulley, and clothespin, Combined. M. Esposito. 2,586,632, Feb. 19.
Clutch: *See*—
Fluid operated clutch.
Roller device impact clutch.
Clutch for machines, One revolution. R. M. Ford. 2,586,460, Feb. 19.
Coat. W. J. Lutz. 2,586,676, Feb. 19.
Coiler drum for rolling mills and the like. J. F. Ferm. 2,586,527, Feb. 19.
Coin-actuated time-control mechanism. E. A. Miller. 2,586,549, Feb. 19.
Coin credit mechanisms and circuits. M. G. Nelsen. 2,586,173, Feb. 19.
Coin evaluator, Electric multiple. F. E. Wallin. 2,586,129, Feb. 19.
Collapsible V-belt mold. J. F. Campbell. 2,586,300, Feb. 19.
Color control system. G. L. Fernsler. 2,586,635, Feb. 19.
Color for duplicating ink, Spirit-soluble. B. F. Skiles. 2,586,570, Feb. 19.
Color photography method, Combination. W. E. Pohl. 2,586,378, Feb. 19.
Combined amplitude and frequency discriminatory automatic gain control. A. V. Bedford. 2,586,760, Feb. 19.
Compositions comprising solutions of acrylonitrile polymers. M. R. Dalton. 2,585,918, Feb. 19.
Compressible brazed connector. I. F. Matthysee. 2,586,471, Feb. 19.
Computing device. D. D. Evers. 2,586,421, Feb. 19.
Computing indexing mechanism. S. Hinds. 2,586,332, Feb. 19.
Condenser: See—
Duplex steam condenser.
Condenser for alternating current power circuits and operating the same, Electrolytic. J. E. Lilienfeld. 2,585,947, Feb. 19.
Connector: *See*—
Compressible brazed connector. Jewelry chain connector.
Container: *See*—
Protective hat container. Waterproof container.
Continuous imbricated panel type filter. V. Dahlman. 2,586,616, Feb. 19.
Control device. O. M. Whitten and R. L. Atkin. 2,586,450, Feb. 19.
Control mechanism. R. Pratt. 2,586,085, Feb. 19.
Control of the timing of recurrent signals, Methods and apparatus for the. A. D. Blumlein and E. L. C. White. 2,586,605, Feb. 19.
Control system for dynamoelectric machines. A. J. Winchester, Jr. 2,586,412, Feb. 19.
Controlling chain branching during ethylene polymerization. W. A Franta. 2,586,322, Feb. 19.
Controlling coiling machines. W. D. Boynton. 2,585,994, Feb. 19.
Conversion of metal sulfides. A. Bonnington. 2,586,606, Feb. 19.
Conveyer. A. G. Rose. 2,586,263, Feb. 19.
Conveyer sealing device. H. W. Hapman. 2,586,537, Feb. 19.
Conveyer structure, Flight. H. W. Hapman. 2,586,538, Feb. 19.
Conveyer system, Single- and double-track. A. G. Rose. 2,586,264, Feb. 19.
Coolant system for grinding machines. J. S. Mathews. 2,586,242, Feb. 19.
Copolymers of acrylonitrile and amine oxides. M. R. Lytton. 2,586,238, Feb. 19.

Copyholder paper support. C. H. Koeppel. 2,586,059, Feb. 19.
Core and coil assemblies, Making. J. G. Ford. 2,586,320, Feb. 19.
Corn-popping machine. J. Kloster. 2,586,347, Feb. 19.
Corrugating asbestos-cement sheets, Method and apparatus for. W. H. Rooksby, H. Homer, and T. Burgess. 2,586,481, Feb. 19.
Couch, Spinal relaxation. W. Butler. 2,586,610, Feb. 19.
Counter assembly. E. S. Stoddard. 2,586,112, Feb. 19.
Counting device, Mechanical. W. E. Hastings. 2,586,161, Feb. 19.
Coupling: *See*—
Flexible coupling. Rotary hydraulic coupling.
Flexible shaft coupling.
Cover: *See*—
Bridge table cover.
Cover for television tubes, Protective. E. A. Ried, Jr. 2,586,716, Feb. 19.
Crab trap. B. R. Lamb. 2,586,350. Feb. 19.
Crash barrier for vehicle passengers. R. A. Kurtz. 2,586,063, Feb. 19.
Crib, Portable infant's. H. Mover. 2,586,247, Feb. 19.
Crossover protection apparatus. T. W. Tizzard, Jr. 2,586,491, Feb. 19.
Crusher, Ice. F. N. Mariani. 2,586,678, Feb. 19.
Crystal analysis apparatus. J. E. Coleman. 2,585,916, Feb. 19.
Cuff link, Pivoted head. C. S. Marien. 2,586,434, Feb. 19.
Cuprous oxide and copper chlorides, Production of. L. D. Supiro. 2,586,579, Feb. 19.
Cutoff mechanism. F. O. Johnson. 2,586,052, Feb. 19.
Cutter: *See*—
Gear cutter.
Cutter for gears, face couplings, and the like. E. Wilhaber. 2,586,451, Feb. 19.
Cutting and forming machine, Grid. R. A. Englert. 2,586,629, Feb. 19.
Cutting and trimming machine, Record. R. W. Keck and H. F. Fillman. 2,586,663, Feb. 19.
Cutting device, Sheet material. A. W. Schaidach. 2,586,566, Feb. 19.
Cyanides, Manufacture of. W. H. Groombridge and W. Hunter. 2,586,030, Feb. 19.
Cyclic substituted synthetic estrogens, Preparation of. E. Kaiser, A. L. Andersen, Jr., and J. J. Svarz. 2,586,343, Feb. 19.
Cyclohexyl-amino-alcohols. R. R. Burtner and W. M. Selby. 2,586,512, Feb. 19.
Cylinder, Rotating amusement. E. W. Hoffmeister. 2,586,333, Feb. 19.
Deceleration signal. R. P. McNerney. 2,586,685, Feb. 19.
Dehydrogenation of hydrocarbon with synthetic gel-type metal oxide catalysts. E. W. Pitzer. 2,586,377, Feb. 19.
Detachable body grounding device. F. A. Van Atta and W. G. Legge. 2,586,747, Feb. 19.
Detergent composition and preparing same. H. H. Young and K. H. Spitzmueller. 2,586,496, Feb. 19.
Detonating assembly. G. B. Horn and H. A. Lewis. 2,586,541, Feb. 19.
Device comprising an amplifier, a photoelectric cell, and a lead connecting them. P. F. van Eldik and H. N. Hansen. 2,586,582, Feb. 19.
Device for charging a capacity. T. W. Willemse. 2,586,589, Feb. 19.
Device for collecting liquids. R. Velut. 2,586,399, Feb. 19.
Device for darning purposes. D. P. Christensen. 2,586,302, Feb. 19.
Device for forming grinding wheels. F. G. Krafft. 2,586,235, Feb. 19.
Device for projection of microwave images. E. E. Sheldon. 2,586,391, Feb. 19.
Device for protecting and preserving the tires of wheeled vehicles. W. C. Carlton. 2,585,914, Feb. 19.
Device for protecting door ends. J. H. Malarkey. 2,586,240, Feb. 19.
Device for reducing noise in magnetic recording systems. D. G. C. Hare. 2,585,932, Feb. 19.
Device for repairing runs in fabrics. M. H. P. Sologalatoa. 2,586,733, Feb. 19.
Device for setting keys on valve stems. J. R. Wolfe and C. E. Kelley. 2,586,756, Feb. 19.
Device for setting up collapsible cellular cartons. E. H. Mobley. 2,586,551, Feb. 19.
Device for supporting grain elevator spouts. O. C. and D. O. Nicholaus. 2,586,077, Feb. 19.
Diacetyl with butter cultures, Preparation of. M. W. Marcoux. 2,586,072, Feb. 19.
Dial for radio cabinet. J. G. Kronquer. 2,586,468, Feb. 19.
Diaper protector. J. E. Silverman. 2,586,730, Feb. 19.
Dielectric and making. M. A. Strivens. 2,586,113, Feb. 19.
Dielectric heating especially for spools of rayon thread. R. H. Hagopian. 2,586,328, Feb. 19.
Diffusing apparatus. A. T. Rooch. 2,586,179, Feb. 19.
Dipper-stick crowding means for excavators. B. Calvert. 2,586,000, Feb. 19.
Diquaternary salts of pyrimidylaminocinnolines, Manufacture of. W. Hepworth and F. H. S. Curd. 2,585,936, Feb. 19.
Diquaternary salts of pyrimidylamino quinolines, Preparing. N. Barton, S. Birtwell, and F. H. S. Curd. 2,585,910, Feb. 19.
Diquaternary salts of pyrimidylamino quinolines, Manufacture of. G. J. Stacey, H. W. Thompson, C. H. Vasey, and F. H. S. Curd. 2,585,972, Feb. 19.
Dish-washing machine having a circulating pump and plural rotatable strainer means selectively cooperable therewith, Spray-type. E. W. Vars. 2,586,398, Feb. 19.
Disk gang mounting. E. S. Thompson. 2,586,490, Feb. 19.
Dispenser for insect-repellent material. E. A. Eskola. 2,586,761, Feb. 19.
Dispensing package. T. F. Onkey. 2,586,765, Feb. 19.
Display card, Bobby pin. R. K. Weaver and L. E. Thatcher. 2,586,192, Feb. 19.
Display device, Shoe. H. Konikoff. 2,586,665, Feb. 19.
Display device with animation, Illuminated. F. Hotchner. 2,586,231, Feb. 19.
Display or supporting board and attaching parts, Combination. E. J. Heggedal. 2,586,039, Feb. 19.
Display system for radar navigation. R. W. Thresher and R. B. Parker. 2,586,743, Feb. 19.
Distributing device for the charge of shaft furnaces. M. A. Brun and L. F. Sauvage. 2,586,298, Feb. 19.
Distributing solids in gases in catalytic apparatus. J. S. Palmer. 2,586,705, Feb. 19.
Door closer. B. H. Woodruff. 2,586,135, Feb. 19.
Door hinge check. C. H. Wummel and E. V. Dubowski. 2,586,757, Feb. 19.
Door or window frame. A. J. Smith. 2,586,102, Feb. 19.
Double row roller bearing. A. G. F. Wallgren. 2,586,406, Feb. 19.
Dough sheeting roll. H. C. Rhodes. 2,586,089, Feb. 19.
Drier: *See*—
Hair drier.
Drill: *See*—
Flexible frame seed drill.
Drilling apparatus, Directional. J. G. Jackson. 2,586,662, Feb. 19.
Drilling joint. C. C. Brown. 2,585,995, Feb. 19.
Drink mixer. F. C. Schwaneke. 2,586,101, Feb. 19.
Dry pipe valve. A. C. Rowley. 2,586,720, Feb. 19.
Drying oils from diolefins, Preparation of. E. Arundale, A. H. Gleason, and F. W. Banes. 2,586,594, Feb. 19.
Duck hunter's drag. J. D. Caslor. 2,586,003, Feb. 19.
Duplex steam condenser. J. Fanning. 2,586,016, Feb. 19.
Duplicating machine plate clamp. H. F. Bruns. 2,586,146, Feb. 19.
Dust collector for paper machines. C. G. Dunphy. 2,586,014, Feb. 19.
Dynamoelectric power measuring cutoff. J. Stivin. 2,586,577, Feb. 19.
Easel, Water-color sketching. L. Scheu. 2,586,097, Feb. 19.
Edge piling machine. F. H. Murphy. 2,586,172, Feb. 19.
Educational device. A. Pick. 2,586,710, Feb. 19.
Ejecting and feeding apparatus, Material. C. Herzog. 2,586,651, Feb. 19.
Electrical centrifugal switch. C. E. Sprague and A. L. Judson. 2,586,734, Feb. 19.
Electric device continuity tester. A. G. Foote. 2,586,319, Feb. 19.
Electric outlet for barber's chair. W. R. Ashby. 2,586,595, Feb. 19.
Electric protection and warp stop for looms, Combined. R. F. Dion. 2,586,311, Feb. 19.
Electric protection and warp stop for looms, Combined. F. W. Paul. 2,586,373, Feb. 19.
Electric protection for looms. C. W. Moss and W. A. Blanchard. 2,586,371, Feb. 19.
Electric protection for looms. C. W. Moss. 2,586,552, Feb. 19.
Electrical device, Point-contact. E. W. Burke, Jr. 2,586,609, Feb. 19.
Electrical indicating device. J. A. Taylor and M. A. Knight. 2,585,974, Feb. 19.
Electrical investigation of the ground. G. Kunetz. 2,586,667, Feb. 19.
Electrical pulse generating circuits. E. L. C. White. 2,586,409, Feb. 19.
Electrically driven hospital chair. G. A. Steven. 2,586,273, Feb. 19.
Electrode construction for radio-frequency heating of pneumatic tires, Air bag. R. S. Enabnit. 2,586,526, Feb. 19.
Electron beam deflection system. A. W. Friend and F. H. Nicoll. 2,586,463, Feb. 19.
Electronic frequency changer and stabilizing control means therefor. E. F. W. Alexanderson. 2,586,498, Feb. 19.
Electronic recording and controlling apparatus. G. E. Beggs, Jr., and E. W. Yetter. 2,586,603, Feb. 19.
Electronic switching. E. J. Costello. 2,586,151, Feb. 19.
Electronic temperature control. J. L. Bender. 2,586,291, Feb. 19.
Electronographic printing apparatus. W. C. Huebner. 2,586,047, Feb. 19.
Elevator guide equalizer, Single rail. S. G. Hicks. 2,586,464, Feb. 19.
Eliminating spurious frequencies. C. E. McClellan. 2,586,365, Feb. 19.
Emulsion copolymerization of styrene with bodied oil or bodied oil modified alkyd. R. S. Robinson. 2,586,092, Feb. 19.

Engine: *See*—
Two-cycle crankcase compression engine. Two-cycle internal-combustion engine.
Engine having hydraulic means to connect turbine to engine output shaft at high load, Turbosupercharged internal-combustion. H. Schneider. 2,585,968, Feb. 19.
Equatorial polishing generator. A. J. Holman. 2,586,334, Feb. 19.
Ethanolamine, Production of. W. F. Gresham. 2,586,325, Feb. 19.
Excess flow check-valve. E. L. Mills and R. R. Zimmer. 2,586,691, Feb. 19.
Extraction of pectic substances from vegetable matter. C. L. Walsh and B. A. Adams. 2,586,407, Feb. 19.
Extractor: *See*—
Fishhook extractor.
Extractor. M. M. Berger. 2,586,292, Feb. 19.
Evaporative cooling system for internal-combustion engines. A. W. Pope, Jr. 2,586,562, Feb. 19.
Eye patch, Child's. A. F. Landry. 2,586,064, Feb. 19.
Fabric roll take-up for knitting machines. R. H. Lawson. 2,586,470, Feb. 19.
Fan for cooling induction motors. L. E. Aske. 2,586,452, Feb. 19.
Fastener: *See*—
Molding fastener. Watch movement fastener.
Faucet spout. H. Bruewer. 2,585,997, Feb. 19.
Feeding device for sewing machines. C. R. Nelson. 2,586,764, Feb. 19.
Feeding doll with biting action C. A. Philippi. 2,586,081, Feb. 19.
Fertilizer spreader hood. S. D. Ulrich. 2,586,492, Feb. 19.
Filament forming apparatus. W. C. Huebner. 2,586,046, Feb. 19.
Film registering and printing apparatus. J. M. Andreas. 2,586,286, Feb. 19.
Film treating tank with hydraulically driven film spools. J. W. Smith. 2,586,444, Feb. 19.
Filter: *See*—
Center screw filter. Water filter.
Continuous imbricated panel type filter.
Filter. S. Morel. 2,586,692, Feb. 19.
Filter and drip meter, Blood. W. F. Butler. 2,586,513, Feb. 19.
Finishing of textile fabrics. J. B. Speakman and A. Crummett. 2,586,106, Feb. 19.
Fire detector element. M. F. Peters. 2,586,252, Feb. 19.
Fire extinguisher, Leakproof. F. L. Reeves. 2,586,088, Feb. 19.
Fire-extinguishing apparatus. A. Smye. 2,586,575, Feb. 19.
Firing pin for mortars, Replaceable. C. N. Hickman. 2,586,229, Feb. 19.
Fishhook extractor. P. L. Krichbaum. 2,586,431, Feb. 19.
Fish lure. O. R. Angell. 2,586,141, Feb. 19.
Fish lure releaser. H. G. McKee. 2,586,073, Feb. 19.
Fish-scaling equipment. O. L. Sohler. 2,586,732, Feb. 19.
Fishing tackle assembly. O. Lawrenz. 2,586,170, Feb. 19.
Fixed message inserter. R. A. Lake. 2,586,669, Feb. 19.
Flexible coupling. W. B. Bennett. 2,586,604. Feb. 19.
Flexible coupling. C. C. Scheele. 2,586,567, Feb. 19.
Flexible frame seed drill. T. S. Moffett. 2,586,246, Feb. 19.
Flexible shaft coupling. A. W. Mall. 2,586,359–60, Feb. 19.
Float drive mechanism for liquid level indicators. W. O. Davis. 2,586,619, Feb. 19.
Fluid control valve. E. Paille. 2,586,249, Feb. 19.
Fluid operated clutch. C. Gerst. 2,586,220, Feb. 19.
Fluid pressure producing device. G. Mattersdorf. 2,585,953, Feb. 19.
Fluid pressure relay. E. W. Fitch. 2,586,637, Feb. 19.
Flywheel rotating device. H. Stuwe. 2,586,185, Feb. 19.
Foldable cardboard bottle carrier. E. N. Castle. 2,586,301, Feb. 19.
Folder shutter slat and folder shutter made thereby. G. Poggi. 2,586,561, Feb. 19.
Food product from whey. J. P. Malkames, Jr. 2,585,951, Feb. 19.
Foot-supporting means. H. C. Knellwolf. 2,586,057, Feb. 19.
Footwear, Sock-type. J. Hoza. 2,586,045, Feb. 19.
Forming extensible and retractable cords. C. H. Judisch. 2,586,763, Feb. 19.
Fountain interrupter. M. Ras. 2,586,382, Feb. 19.
Fountain spigot. R. F. Poultney. 2,586,083, Feb. 19.
Frame: *See*—
Door or window frame.
Frequency modulation detector. J. C. Tellier and A. R. Alter. 2,586,119, Feb. 19.
Friction material and making same. H. J. Cofek. 2,586,150, Feb. 19.
Fuel and brake control for automobiles, Combined. A. St. Maurice and J. S. Candella. 2,586,111, Feb. 19.
Fuel burner system. R. L. Harris and M. Lothrop. 2,586,224, Feb. 19.
Fuel supply system for internal-combustion engines. R. H. D. Chamberlin. 2,586,004, Feb. 19.
Furnace: *See*—
Induction pouring furnace.
Furnace heat exchanger. W. R. Teller. 2,586,118, Feb. 19.
Fuse testing terminal. F. J. McNamara. 2,586,366, Feb. 19.
Fusing device. E. R. Sabel and F. I. Galbrecht. 2,586,484, Feb. 19.
Gaff hook and scale, Combination. D. K. McRae. 2,586,245, Feb. 19.
Galvanic primary cell. A. E. Grusell, H. O. A. Sandmark, and E. G. Hysing. 2,586,426, Feb. 19.
Game. B. H. Freedman and E. J. Heggedal. 2,585,924, Feb. 19.
Game. B. H. Freedman. 2,586,017, Feb. 19.
Game device, Electrically actuated target. I. Tilson. 2,586,121, Feb. 19.
Gas conversion apparatus. D. F. Buckley. 2,586,416, Feb. 19.
Gas seal. O. N. Summers. 2,586,739, Feb. 19.
Gauge: *See*—
Analyzer gauge. Radiation type thickness gauge.
Centering gauge.
Gear: *See*—
Variable-speed changing gear.
Gear cutter. H. G. Hartman. 2,586,428, Feb. 19.
Gearing. W. W. Sloane. 2,585,971, Feb. 19.
Generator: *See*—
Equatorial polishing generator. Oscillation generator.
Grease, Lubricating. A. J. Morway and L. A. Mikeska. 2,586,693, Feb. 19.
Grinding intricate contours. W. G. Baldenhofer. 2,585,990, Feb. 19.
Grinding, Method and apparatus for. J. C. Wilson. 2,586,755, Feb. 19.
Gyratory crusher. S. W. Traylor, Jr. 2,586,122, Feb. 19.
Gyroscopic stabilizing apparatus. A. W. Kuyvenhoven. 2,586,469, Feb. 19.
Hair curler, Electrically operated. V. P. Smith. 2,586,103, Feb. 19.
Hair drier. E. Hedin. 2,586,036, Feb. 19.
Halogen-substituted acetyl peroxide catalyst for haloolefin polymerization. W. T. Miller, A. L. Dittman, and S. K. Reed. 2,586,550, Feb. 19.
Hammer, Pneumatic. J. E. Terry. 2,585,975, Feb. 19.
Hand trap. L. C. Marley. 2,586,547, Feb. 19.
Handle for football dummies. H. D. Wynn. 2,586,283, Feb. 19.
Handle for vessels. A. R. Backus. 2,586,199, Feb. 19.
Hanger. A. D. Carpenter and C. A. Slater. 2,586,001, Feb. 19.
Hard and soft bass drum beater ball, Combination. G. F. Helderich and C. Tappan. 2,586,163, Feb. 19.
Hardening gelatin and photographic gelatin emulsions. F. J. Kaszuba. 2,586,168, Feb. 19.
Hat, Safety. G. C. Johnson and A. A. Perelman. 2,585,937, Feb. 19.
Hay loading attachment. C. C. Graves. 2,586,324, Feb. 19.
Headset. R. C. Gilbert. 2,586,644, Feb. 19.
Headwear. F. Schlesinger. 2,586,181, Feb. 19.
Heat exchanger. L. Parker. 2,586,250, Feb. 19.
Heat-treating rack. H. R. Strohecker. 2,586,578, Feb. 19.
Heater structure, Automobile. M. A. Mieras and A. F. Millington. 2,586,689, Feb. 19.
Heating fluids, Method and apparatus for. T. M. Shaw. 2,585,970, Feb. 19.
Herbicidal compositions containing still bottoms from alcohol synthesis by the "Oxo" process. J. F. McKay, Jr., H. L. Yowell, and L. Z. Jaslon. 2,586,681, Feb. 19.
Hernia stay. T. Geffas. 2,586,219, Feb. 19.
High-frequency jig. F. P. Smith. 2,586,574, Feb. 19.
High-intensity airport runway marker light. W. A. Pennow. 2,586,374, Feb. 19.
High-voltage power supply. A. W. Friend. 2,586,018, Feb. 19.
Hinge, Door. R. E. Slopa. 2,586,573, Feb. 19.
Hoist. P. E. Miller. 2,586,369, Feb. 19.
Holder: *See*—
Necktie holder. Tie holder.
Paper roll holder.
Holder and dispenser for coiled goods. H. W. King. 2,586,346, Feb. 19.
Holder for dispensing paper bags. O. J. Aubertin. 2,586,197, Feb. 19.
Holder for feeding and watering containers. L. A. H. Ruch. 2,586,565, Feb. 19.
Homogenizing apparatus. E. H. Reeb. 2,586,258, Feb. 19.
Hook: *See*—
Ceiling suspension hook. Snap hook.
clasp
Horizontal separator. C. O. Glasgow. 2,586,221, Feb. 19.
Horizontally swinging bracket supported seat. J. O. Templeton, Jr. 2,586,120, Feb. 19.
Hot-air dryer for slashers. G. L. Ball. 2,586,200, Feb. 19.
Hydraulic control system. R. Détrez. 2,586,623, Feb. 19.

Hydraulic punch and stripping device. O. Mueller. 2,586,695, Feb. 19.
Hydraulic transmission and control for guns. E. Wiedmann. 2,586,280, Feb. 19.
Hydrocarbon synthesis process. J. C. Dart. 2,586,618, Feb. 19.
Impact rotor for stone breakers. L. H. Kessler. 2,585,943, Feb. 19.
Impeller trough milling machine and method. H. R. De Vleg and P. T. Angell. 2,585,920, Feb. 19.
Indicator: *See*—
Liquid level indicator.
Load weight indicator.
Radio echo moving target indicator.
Range-height indicator.
Velocity and direction indicator.
Indicator for typewriters, Page end. P. R. Thomas. 2,586,489, Feb. 19.
Induction pouring furnace. L. W. Bahney. 2,586,596, Feb. 19.
Inert gas arc welding electrode. J. D. Cobine. 2,586,516, Feb. 19.
Infinitely variable-gear for driving gun mounts. R. Stadelmann. 2,586,107, Feb. 19.
Inhibiting corrosion of aluminum chloride-hydrocarbon complex liquid in presence of HCl promoter with iodine compounds. W. F. Glassmire and W. R. Smith. 2,586,323, Feb. 19.
Inhibition of oxidation in tin solutions. A. G. Gray. 2,585,902, Feb. 19.
Instrument and case therefor, Voltage indicating. F. B. Boyle. 2,586,203, Feb. 19.
Instrument, Gas testing. J. G. Dwyer. 2,586,313, Feb. 19.
Insulating machine, Pulp. W. C. Ewaldson and J. N. Selvig. 2,586,634, Feb. 19.
Interchangeable letter display device. C. N. Dickey and H. F. Moonert. 2,586,009, Feb. 19.
Interlocking safety switch system. W. A. Ray. 2,586,257, Feb. 19.
Interpolymers of styrene with polyhydric alcoholic mixed esters and of coating compositions obtained therefrom, Manufacture of. D. H. Hewitt and F. Armitage. 2,586,652, Feb. 19.
Interpolymers of styrene with unsaturated fatty acids and polyhydric alcoholic esters thereof, Manufacture of. F. Armitage and J. J. Sleightholme. 2,586,593, Feb. 19.
Iodinating proteins. W. R. Graham, Jr., G. O. Kohler, and R. D. Hoover. 2,586,425, Feb. 19.
Iodine solution comprising an oxidation-reduction system. A. J. Salle and H. L. Guest. 2,585,965, Feb. 19.
Iron and making of same, Electric. J. R. Gomersall and M. Ireland. 2,585,928, Feb. 19.
Isotope analysis. G. H. Dieke. 2,585,901, Feb. 19.
Jet reaction engine of the turbine type. H. C. Godfrey. 2,586,025, Feb. 19.
Jewelry chain connector. K. Zerr. 2,586,758, Feb. 19.
Joint: *See*—
Drilling joint.
Joint. M. P. Graham. 2,586,646, Feb. 19.
Kettle drum. O. Murbach. 2,586,476, Feb. 19.
Keyed automatic gain control system. K. R. Wendt. 2,586,193, Feb. 19.
Kinetic boom damper. R. W. Hodgson and N. C. Parrish. 2,586,043, Feb. 19.
Knife, Putty smoothing. P. J. Palenchar. 2,586,372, Feb. 19.
Lamp assembly of the pin-up type, Electric. R. D. Schear and J. G. Berg. 2,586,389, Feb. 19.
Latch for repeating firearms, Carrier. V. A. Browning. 2,586,509, Feb. 19.
Latch for throttle control pedals. G. W. Peterman. 2,586,435, Feb. 19.
Latch release contact for electric switches. E. A. Miller. 2,586,075, Feb. 19.
Lawn mower sharpener. J. P. Lewis and R. R. Rader. 2,586,236, Feb. 19.
Layered sponge products of varying densities, Making. H. A. Toulmin, Jr. 2,586,275, Feb. 19.
Lead coatings, Production of. G. L. J. Bailey and H. C. Watkins. 2,586,142, Feb. 19.
Leaded fuel composition. W. C. Howell, Jr. 2,586,660, Feb. 19.
Lens arrangement, Multiple element electron. R. S. Page. 2,586,559, Feb. 19.
Lens, Illuminated magnifying. S. Sakols. 2,586,723, Feb. 19.
Lens removable unit for eye glasses, Double. R. H. Longenecker. 2,586,546, Feb. 19.
Lid handle and latch mechanism. H. W. Whitmore. 2,586,753, Feb. 19.
Lifting edge for folders. J. S. Quinn. 2,586,381, Feb. 19.
Light: *See*—
High-intensity airport runway marker light.
Light beam gun. E. G. Henry and L. L. Galinski. 2,586,330, Feb. 19.
Light for illuminating work areas and projecting warning beams, Trouble. C. C. Russell. 2,586,265, Feb. 19.
Lighter, igniter, and the like, Cigar. M. Quercia and G. Ferdinand. 2,586,380, Feb. 19.
Lighter with coiled spring follower unit, Pocket. C. A. Hart. 2,586,035, Feb. 19.
Lighting fixture having an inverted conical reflector, Ceiling. C. G. Girolami. 2,586,645, Feb. 19.
Lightning arrester. O. Ackermann. 2,586,285, Feb. 19.
Line protractor. C. Memluck. 2,586,074, Feb. 19.
Linked slide carrier. H. Olsen. 2,586,176, Feb. 19.
Liquid fuel burner and control. J. A. Wilson. 2,586,411, Feb. 19.
Liquid level control. E. R. Williams. 2,586,410, Feb. 19.
Liquid level indicator. O. M. Whitten. 2,586,449, Feb. 19.
Load weight indicator. W. C. Yoder and C. A. Garis. 2,586,137, Feb. 19.
Lock: *See*—
Paperboard box cover lock.
Rod lock.
Safety door lock.
Sliding sash lock.
Locking mechanism for folding tops. C. E. Hale and W. L. McKenna. 2,586,648, Feb. 19.
Locomotive. C. K. Steins. 2,586,109, Feb. 19.
Log turner, Sawmill. G. E. Ross. 2,586,483, Feb. 19.
Loom picker. S. W. La Rocque. 2,586,065, Feb. 19.
Lubricating oils from shale oil, Manufacture of. P. Woog. 2,586,590, Feb. 19.
Lubricating system. E. Landis. 2,586,671, Feb. 19.
Lubrication of engine bearings. F. Postma. 2,586,379, Feb. 19.
Machine and process for compounding rubber or like mixes. F. E. Brown. 2,586,607, Feb. 19.
Machine for cutting lengths from strips of thin material. L. G. Forster. 2,586,462, Feb. 19.
Machine for delivering articles serially. J. B. Wilson. 2,586,281, Feb. 19.
Machine for making emulsions. N. B. Gallenkamp. 2,585,925, Feb. 19.
Machine for making manifold forms or pads. R. M. Kanik. 2,586,055, Feb. 19.
Machine for making roofing tiles. R. H. Richardson and T. H. Wilson. 2,586,714, Feb. 19.
Machine for molding blocks or bricks, Hand operated. R. L., B. J., and R. L. Sturtevant, Jr. 2,586,184, Feb. 19.
Machine for planting grain between rows of standing corn and the like. E. D. Haley. 2,586,032, Feb. 19.
Machine for slitting the margins of shoe uppers. J. Gudger. 2,585,931, Feb. 19.
Machine for spreading road surfacing material. E. Trampler. 2,586,396, Feb. 19.
Machine for stripping sheet metal. J. B. Picton. 2,586,376, Feb. 19.
Magnetic pickup head and mount therefor. M. Camras. 2,585,913, Feb. 19.
Magnetically operated thread finger drive. A. J. Cobert. 2,586,205, Feb. 19.
Magnifying attachment for syringes. M. E. Tschischeck. 2,586,581, Feb. 19.
Making a decorative or distinctive marking on chocolate, caramel, icing, and like confectionery substances. J. P. McNamara. 2,586,684, Feb. 19.
Making carry bags. L. E. Canno. 2,586,514, Feb. 19.
Making concrete structures, Process and device for. F. Antonello. 2,586,413, Feb. 19.
Manhole cover securing means. R. Hitschmann. 2,586,465, Feb. 19.
Manually controlled photographic exposing, developing, and fixing device. T. R. Laing. 2,585,945, Feb. 19.
Manufacturing process. C. J. Linxweiler, R. Y. Moss, and J. T. Welch. 2,586,673, Feb. 19.
Marine propelling and steering mechanism. W. O. Frohlich. 2,586,019, Feb. 19.
Mat, Sink. J. R. Caldwell. 2,586,612, Feb. 19.
Measuring head for automotive wheel alignment gauges. H. Wocbner. 2,586,194, Feb. 19.
Meat saw with cleaning and scrap collecting apparatus. D. A. Meeker, G. B. Fox, and B. E. Sullenberger. 2,585,957, Feb. 19.
Mechanical aircraft brake. G. H. Collier. 2,586,518, Feb. 19.
Mechanism for producing clear ice bodies. C. A. Weseman and C. E. Enger. 2,586,588, Feb. 19.
Metal clad counter tops, Making. G. H. Norquist. 2,585,961, Feb. 19.
Metallically sheathed bucket rim. H. D. Haley. 2,586,033, Feb. 19.
Metals, Production of. C. H. Winter, Jr. 2,586,134, Feb. 19.
Meter: *See*—
Torsion meter.
Meter testing apparatus. F. E. Davis, III. 2,586,008, Feb. 19.
Method of and apparatus for corrugating asbestos-cement sheets. W. H. Rooksby, H. Homer, and T. Burgess. 2,586,481, Feb. 19.
Milling machine and impeller wheel manufacture. H. C. Stieglitz. 2,585,973, Feb. 19.
Mine cage safety device. G. E. Gagnon. 2,586,217, Feb. 19.
Mitten for babies, Teething. M. A. Bryson. 2,586,608, Feb. 19.
Mixer: *See*—
Drink mixer.
Modulated radio frequency pulse receiver. H. Rinia. 2,586,091, Feb. 19.
Mold: *See*—
Collapsible V belt mold.
Molding fastener. R. L. Brown. 2,585,996, Feb. 19.
Motion transmission system. T. O. McCarthy. 2,585,956, Feb. 19.

Motive fuel converter. C. M. Thomas. 2,586,187, Feb. 19.
Motor apparatus for automatically regulating the speed of strip reeling devices, Electric. G. J. Nichols. 2,586,076, Feb. 19.
Motor control system. D. E. Abell. 2,586,284, Feb. 19.
Motor-pump attachment for foot pump dental chairs. E. P. Schwartz and C. W. Meyer. 2,586,441, Feb. 19.
Motor unit for bicycles and like vehicles. S. P. V. Piatti. 2,586,082, Feb. 19.
Mount for telescopic gun sights. J. H. Anderson. 2,585,985, Feb. 19.
Mounting: *See*—
Disk gang mounting.
Ophthalmic mounting.
Radio tube socket mounting.
Wall outlet box mounting.
Mounting for tripods, Universal. S. J. Rubin. 2,586,721, Feb. 19.
Multiple circuit control switch. H. E. Wagner. 2,586,750, Feb. 19.
Musical instrument employing continuously moving member. A. F. Knoblaugh. 2,586,664, Feb. 19.
N-dimethylaminoethyl-9-methylacridan and acid addition salts thereof. J. Mills. 2,586,370, Feb. 19.
Name plate attaching means for grave markers. L. L. Rochester. 2,586,178, Feb. 19.
Necktie holder. J. B. Federico. 2,586,215, Feb. 19.
Needle, Tailor's tack. N. C. Beverino. 2,586,505, Feb. 19.
Netropsin and its production. A. C. Finlay and B. A. Sobin. 2,586,762, Feb. 19.
Niggerhead. J. Balmer. 2,585,991, Feb. 19.
Nozzle, Boiler cleaner. W. M. McWilliam. 2,586,367, Feb. 19.
Oil soluble phenolic resins and varnish compositions prepared therefrom. R. H. Runk. 2,586,385, Feb. 19.
Oiler, Automatic. E. D. Smyser. 2,586,104, Feb. 19.
Ophthalmic mounting. V. B. Royce. 2,586,439, Feb. 19.
Ornament, Illuminated decorative display. C. R. Sweeny. 2,586,741, Feb. 19.
Ornamenting glass. W. J. Stepien. 2,586,394, Feb. 19.
Oscillatable bark-removing jet having variable amplitude of oscillation. E. C. Shaw. 2,586,727, Feb. 19.
Oscillation generator. J. Bardeen and W. H. Brattain. 2,586,597, Feb. 19.
Oscillator. G. N. Kamm. 2,586,167, Feb. 19.
Oscillator, Blocking. E. C. Dill. 2,586,310, Feb. 19.
Oven, Laboratory drying. H. W. Dietert, J. A. Schuch, and R. E. Steinmueller. 2,586,624, Feb. 19.
Overvoltage protection for transformers. M. G. Leonard and G. Y. Hager. 2,586,354, Feb. 19.
Packaging. T. R. O'Malley. 2,586,078, Feb. 19.
Packaging machine. J. D. Conti. 2,586,006, Feb. 19.
Packaging machine. J. F. Stalter. 2,586,445, Feb. 19.
Padding and cover members for upholstered spring structures. W. H. Neely. 2,586,698, Feb. 19.
Painter's kit. C. J. Dussardier. 2,586,524, Feb. 19.
Pallet feeder mechanism for concrete block machines. H. D. Corwin. 2,586,210, Feb. 19.
Panel closure assembly. C. P. Krupp. 2,586,062, Feb. 19.
Paperboard box cover lock. K. C. Ferguson. 2,586,156, Feb. 19.
Paper guide, Adjustable. W. A. Dobson. 2,586,322, Feb. 19.
Paper roll holder. K. Baar. 2,586,501, Feb. 19.
Pebble heater apparatus and heat exchange. C. Alexander and H. A. Dutcher. 2,585,984, Feb. 19.
Phenolic derivatives, Producing. D. B. Luten, Jr. and A. De Benedictis. 2,586,070, Feb. 19.
Phenolic-oil modified alkyd-copal resinous compositions. J. J. Keyes. 2,586,344, Feb. 19.
Phonograph pickup stylus, Dual point. N. F. Martin. 2,586,362, Feb. 19.
Photographic emulsions containing symmetrical tetranuclear dyestuffs. L. C. Hensley. 2,586,164, Feb. 19.
Photometric device. J. E. Tyler. 2,586,746, Feb. 19.
Phthalic anhydride from 3,4,0 bicyclic nonyl hydrocarbon, Preparation of. F. T. Wadsworth. 2,586,128, Feb. 19.
Picket shaping machine. H. L. Peterson. 2,586,253, Feb. 19.
Pickling inhibitor. W. H. Hill. 2,586,331, Feb. 19.
Pigment coloring. A. E. Van Wirt and G. F. Jones. 2,586,188, Feb. 19.
Pillowcase and bed sheet, Combined. A. M. Hahne. 2,586,031, Feb. 19.
Pipe: *See*—
Smoking pipe.
Pipe releasing means. C. R. Edwards. 2,586,015, Feb. 19.
Piston packing ring. M. W. Marien. 2,585,952, Feb. 19.
Planter marker. A. J. Bjerkan. 2,585,992, Feb. 19.
Platen spacing means for presses. A. F. Moore. 2,586,474, Feb. 19.
Play pen convertible to a bed. C. A. Peebles. 2,586,251, Feb. 19.
Plug valve. J. C. Haun. 2,586,650, Feb. 19.
Pneumatic door operating mechanism. N. G. Seagren. 2,586,442, Feb. 19.
Polyethylene film as an adhesive casting surface. M. E. Wendt. 2,586,587, Feb. 19.
Polymer polysulfides containing ether groups. F. K. Signaigo. 2,586,182, Feb. 19.
Polyphosphonitrilic esters and their preparation. B. R. Dishon and F. Goldschmidt. 2,586,312, Feb. 19.
Polyvalent metal tetra-isobutyl phenol sulfonic acid salt parasiticides. G. L. Matheson and L. A. Mikeska. 2,586,680, Feb. 19.
Postal scale, check protector, and letter opener, Combined. C. L. Skelley. 2,586,443, Feb. 19.
Pour depressants. L. A. Mikeska. 2,586,690, Feb. 19.
Powder train interrupter. J. Rabinow. 2,586,437, Feb. 19.
Power supply system providing filament and anode voltages for an electron discharge device. A. H. Boerdijk and J. M. L. Janssen. 2,586,507, Feb. 19.
Preserving foodstuffs which are subject to the attack of fungi. F. D. Tollenaar. 2,586,274, Feb. 19.
Press and die wiper therefor, Die stamping. R. N. Steffens. 2,586,108, Feb. 19.
Pressure cooking device. S. E. Richeson and J. A. Allegro. 2,586,715, Feb. 19.
Pressure fluid clamp. J. Haller. 2,586,536, Feb. 19.
Pressure measuring apparatus. B. H. Smith and G. W. Rosenberger. 2,586,393, Feb. 19.
Pressure regulator. V. F. Wells. 2,586,131, Feb. 19.
Pressure roller and pad roller, Interlocked. S. E. Bartelson. 2,586,600, Feb. 19.
Printing device for use in connection with business machines. C. H. Stuivenberg. 2,586,737, Feb. 19.
Printing mechanism for adding machines. G. C. Ellerbeck. 2,586,420, Feb. 19.
Printing method and apparatus therefor, Ribbon inker. W. B. Payne. 2,586,560, Feb. 19.
Private branch exchange trunk circuit. P. R. Gray. 2,586,534, Feb. 19.
Produce unwrapping device. W. A. S. Harmon. 2,586,223, Feb. 19.
Producing a soft, flexible, and resilient surface layer on bodies of a hard, nonresilient material and bodies produced thereby. G. Doelter. 2,586,011, Feb. 19.
Producing heat exchange elements. W. P. Hill. 2,586,653, Feb. 19.
Producing lightweight inorganic insulating material. C. C. Schuetz and C. R. Norman, Jr. 2,586,726, Feb. 19.
Prophylactics. F. Lönne. 2,586,674, Feb. 19.
Protection for looms. D. W. Howe, Jr. and V. F. Sepavich. 2,586,335, Feb. 19.
Protection of phosphors from attack by alkali vapors. J. W. Coltman and R. L. Longini. 2,586,304, Feb. 19.
Protective hat container. J. D. Noble. 2,585,700, Feb. 19.
Protective relaying system. H. W. Lensner. 2,586,353, Feb. 19.
Protector: *See*—
Billfold protector.
Diaper protector.
Pump. J. G. MacCormack. 2,585,949, Feb. 19.
Pump and motor hydraulic system. S. B. McLeod. 2,586,682, Feb. 19.
Purification of alcoholic liquid. S. B. Beddow. 2,586,602, Feb. 19.
Purifying aureomycin by chromatographic adsorption. C. Pidacks and E. E. Starbird. 2,586,766, Feb. 19.
Pusher turboprop exhaust system. J. Jonas. 2,586,054, Feb. 19.
Pyridine carboxylic acids, Preparing. M. B. Mueller. 2,586,555, Feb. 19.
Pyrotechnical device. E. B. Hershberg and E. R. Coburn. 2,586,228, Feb. 19.
Quaternary salts of pyrimidines. A. D. Ainley, S. Birtwell, and F. H. S. Curd. 2,585,906, Feb. 19.
Quaternary salts of pyrimidylamino cinnolines and preparing same. W. Hepworth and F. H. S. Curd. 2,585,935, Feb. 19.
Quaternary salts of pyrimidylaminoquinolines. A. D. Ainley and F. H. S. Curd. 2,585,905, Feb. 19.
Quaternary salts of pyrimidylaminoquinolines. N. Barton, S. Birtwell, and F. H. S. Curd. 2,585,909, Feb. 19.
Quaternary salts of pyrimidylaminoquinolines, Manufacture of. F. H. S. Curd. 2,585,917, Feb. 19.
Quaternary salts of pyrimidylamino quinolines, Manufacture of. C. H. Vasey. 2,585,979, Feb. 19.
Quick detachable wheel. W. D. Peck. 2,586,177, Feb. 19.
Racemization of amino acid. R. D. Emmick. 2,586,154, Feb. 19.
Rack: *See*—
Heat-treating rack.
Radiation type thickness gauge. E. T. Clarke. 2,586,303, Feb. 19.
Radio echo moving target indicator. H. Grayson and D. E. Brown. 2,586,028, Feb. 19.
Radio-frequency system. N. R. Wild. 2,586,754, Feb. 19.
Radio receiver noise reducing circuit. C. Wasmansdorff. 2,586,190, Feb. 19.
Radio tube socket mounting. E. K. Nauth. 2,586,696, Feb. 19.
Railroad rail spraying apparatus. J. P. Quarles. 2,586,256, Feb. 19.
Railway hatch cover and locking means therefor. W. A. Beauchamp. 2,586,601, Feb. 19.
Railway surfacing, tie spacing, and tamping machine. J. T. Wren. 2,586,282, Feb. 19.
Range-height indicator. J. J. Malin. 2,585,950, Feb. 19.
Range, Ventilated. B. A. Gillette. 2,586,023, Feb. 19.
Ratchet gearing. A. Hoare. 2,586,040, Feb. 19.

Ratchet mechanism for wrenches, screw drivers, and the like. R. V. Browning and C. F. Badgley. 2,586,296, Feb. 19.
Razor, Rotary blade safety. E. C. Garrard and K. G. Harroid. 2,586,022, Feb. 19.
Reaction type valve. M. Caserta. 2,586,147, Feb. 19.
Rear sight for firearms, Adjustable. E. M. Harvey. 2,585,933, Feb. 19.
Rebalance measuring system, Oscillator-controlled. R. S. Mediock. 2,586,686, Feb. 19.
Receptacle closure. G. W. Stockburger. 2,586,446, Feb. 19.
Recording and reproducing machine, Sound-on-film. J. M. Kuhlik. 2,586,666, Feb. 19.
Recovery of indium values as indium arsenate. J. L. Hart. 2,586,649, Feb. 19.
Recovery of nitrogenous and other compounds. R. J. Brown, A. R. Nees, and A. N. Bennett. 2,586,295, Feb. 19.
Recovery of sterols. M. Mattikow and D. Periman. 2,585,954, Feb. 19.
Rectifier assembly, Metal. E. A. Harty. 2,586,539, Feb. 19.
Reel. C. A. Litzler. 2,585,948, Feb. 19.
Refining of wax. P. S. Backlund and P. L. Polizzotto. 2,586,198, Feb. 19.
Reflector, Foldable. A. Wagner. 2,586,583, Feb. 19.
Refrigerating machine or heat pump unit of the multiple compression type. T. Brandin. 2,586,454, Feb. 19.
Refrigeration system, Multiple temperature. S. M. Bäckström. 2,585,908, Feb. 19.
Refrigerator control. H. H. Bixler. 2,586,506, Feb. 19.
Refrigerator with open-mesh produce containers, Cold wall. C. E. Hartman. 2,586,225, Feb. 19.
Regenerator for the recovery of the cold content of gases. H. F. Buschow and P. C. Keith. 2,585,912, Feb. 19.
Register, Autographic. H. G. Nyman. 2,586,175, Feb. 19.
Regulating system. C. L. Mershon. 2,586,368, Feb. 19.
Regulation of direct-current sources for the supply of electric receivers. G. Villebonnet. 2,586,748, Feb. 19.
Regulator: *See*—
  Pressure regulator.
Reheater control for turbine apparatus. O. N. Bryant. 2,586,510–11, Feb. 19.
Relay emergency air brake valve. T. H. Affleck. 2,586,196, Feb. 19.
Relay type of current limiter. J. M. Andrews. 2,585,987, Feb. 19.
Release agent. C. C. Currie. 2,586,211, Feb. 19.
Removal of air from finely divided material before consolidation under pressure. F. H. Clark and C. A. Lees. 2,586,148, Feb. 19.
Removal of carbon dioxide from gases by cooling. E. Gomonet. 2,586,026, Feb. 19.
Reproducing apparatus. N. E. Handel. 2,586,160, Feb. 19.
Resolution of an aminodiol racemate. R. M. Jacob, L. Liakhoff, and J. G. Robert. 2,586,661, Feb. 19.
Rim for watchcases. A. Prêtre. 2,586,086, Feb. 19.
Ring: *See*—
  Piston packing ring.
Rod lock. F. J. Bolek. 2,585,993, Feb. 19.
Roller device impact clutch. W. M. Emery. 2,586,314, Feb. 19.
Rotary hydraulic coupling. C. A. Wyndham. 2,586,136, Feb. 19.
Rotating cutting device. G. Coretti. 2,586,209, Feb. 19.
Row marker control apparatus. D. T. Lewis. 2,586,356, Feb. 19.
Rowing machine. F. T. Glasgow. 2,586,024, Feb. 19.
Rule, Flexible. M. J. Ryan. 2,586,386, Feb. 19.
S-alkoxymethyl-O,O'-dialkyldithiophosphates. E. O. Hook and H. P. Moss. 2,586,655, Feb. 19.
S-aminoalkylidene dithiophosphoric acid triesters. E. O. Hook and P. H. Moss. 2,586,656, Feb. 19.
Sacking and weighing machine. P. L. Newbold. 2,586,557, Feb. 19.
Safety device for tractors. E. M. Warren. 2,586,130, Feb. 19.
Safety door lock. E. C. Larson. 2,586,066, Feb. 19.
Safety means for valves. A. J. Rosenberger. 2,586,094, Feb. 19.
Salts of sulfonated ethers of hydrogenated cardanol as inhibitors for mineral hydrocarbon oils. D. Wasserman. 2,586,191, Feb. 19.
Sash holder and weather seal, Combination. E. D. Lave. 2,586,672, Feb. 19.
Saw blade holding means. J. H. Godfrey. 2,586,530, Feb. 19.
Saw, Tractor-operated. W. A. Dennis. 2,586,622, Feb. 19.
Sawmill carriage. L. R. Stanley and W. H. Pate. 2,586,271, Feb. 19.
Scaffold for handling sheet material. L. R. Henderson. 2,586,227, Feb. 19.
Scaffold jack and ladder. E. L. Coble. 2,586,149, Feb. 19.
Scanning system and apparatus. L. M. Potts. 2,586,711, Feb. 19.
Scraping and wiping tool. S. McKown. 2,586,472, Feb. 19.
Screw operated jar cap wrench. J. W. Fay. 2,586,214, Feb. 19.
Screw thread comparator. B. W. Swanson. 2,586,114, Feb. 19.
Sealing construction for fluid pressure operated brake and clutch assemblies. G. I. Danly. 2,586,617, Feb. 19.
Sealing device, Leak. E. C. Furman. 2,586,640, Feb. 19.
Sealing unit. O. Brummer. 2,586,297, Feb. 19.
Seat: *See*—
  Adjustable vehicle seat.
  Horizontally swinging bracket supported seat.
Seat. G. J. Lepp, R. C. Bateman, and K. L. Emberson. 2,586,433, Feb. 19.
Secrecy system wherein frequency bands of messages are intermixed during multiplexing. W. Milliquet. 2,586,475, Feb. 19.
Seismic frame structure. C. E. Crede. 2,586,307, Feb. 19.
Seismic surveying. J. O. Parr, Jr. 2,586,706, Feb. 19.
Selective gas adsorber. C. J. Lambertsen. 2,586,670, Feb. 19.
Selective telephonic music distributing system and apparatus. G. P. Ellis. 2,586,213, Feb. 19.
Self-ignition gas burner. H. Waters. 2,586,278, Feb. 19.
Semiconductive signal translating device. W. G. Pfann. 2,586,080, Feb. 19.
Separation of isotopes, etc., by molecular distillation, Method and apparatus for the. T. Robinson. 2,586,717, Feb. 19.
Separator: *See*—
  Horizontal separator.
Servomotor for interceptor valve of turbine and reheater apparatus, Automatically and manually controlled. F. A. Meyer. 2,586,688, Feb. 19.
7-halogen sterol esters, Preparing. J. A. K. Buisman. 2,585,998, Feb. 19.
Sewing kit, Child's. A. Liberman. 2,585,946, Feb. 19.
Shaft positioning device. R. W. May. 2,585,955, Feb. 19.
Shale distillation. W. W. Odell. 2,586,703, Feb. 19.
Sharpening device for lawn mowers. R. B. Housley. 2,586,659, Feb. 19.
Ship construction. J. Vasta. 2,585,980, Feb. 19.
Shoulder and sleeve construction for garments, Simplified. C. Carvo. 2,586,515, Feb. 19.
Shoulder pad for garments. S. Frais. 2,586,423, Feb. 19.
Shovel, Cultivator. J. J. Pleskac. 2,586,255, Feb. 19.
Shuttle blocks, Making. J. R. Curtis. 2,586,308, Feb. 19.
Shuttle winder. J. E. McArthur. 2,586,548, Feb. 19.
Side frame construction for power lawn mowers. W. E. Sullivan. 2,586,738, Feb. 19.
Sign. J. B. Benge. 2,586,504, Feb. 19.
Signal: *See*—
  Deceleration signal.
Ski binding. H. Hvam. 2,586,339, Feb. 19.
Sliding sash lock. D. E. Axe. 2,586,500, Feb. 19.
Smoking pipe. A. R. Wood. 2,586,195, Feb. 19.
Snap hook. R. M. Martin. 2,586,679, Feb. 19.
Soap ring and holder therefor. E. R. Dunn. 2,586,626, Feb. 19.
Speed control system for alternating current motors. W. N. Tuttle. 2,586,397, Feb. 19.
Spindle support for machine tools. O. von Zelewsky. 2,586,126, Feb. 19.
Spinning spindle mechanism, in particular of the worm and worm wheel drive type. L. Birkigt. 2,586,293, Feb. 19.
Spiro [cyclohexane-1,1'-indanone-3'], Preparation of. L. H. Schwartzman. 2,586,486, Feb. 19.
Spirocyclohexanes and preparation thereof. L. H. Schwartzman and G. F. Woods, Jr. 2,585,969, Feb. 19.
Spirocyclohexanes and preparation thereof. L. H. Swartzman and G. F. Woods, Jr. 2,586,487, Feb. 19.
Spoon bait. J. Swanberg. 2,586,186, Feb. 19.
Sprayer. V. Santarelli. 2,586,266, Feb. 19.
Spraying device with dilator. S. A. Moscarello. 2,586,553, Feb. 19.
Spring seat and back structure, Combined. J. M. Dorton. 2,586,013, Feb. 19.
Stabilizing rice products. G. R. Van Atta, E. B. Kester, and H. S. Olcott. 2,585,978, Feb. 19.
Staple driving means for portable pneumatic staplers. A. G. Juilfs. 2,585,939, Feb. 19.
Staple feed mechanism for portable pneumatic staplers. A. G. Juilfs. 2,585,942, Feb. 19.
Staple magazine and feed means for pneumatic staplers. A. G. Juilfs. 2,585,941, Feb. 19.
Starting and operating devices and circuits for electric-discharge devices. P. Waguet. 2,586,404, Feb. 19.
Steam trap. R. C. Baker and R. L. Clark. 2,586,143, Feb. 19.
Steel, Low-alloy high-yield strength weldable. J. M. Hodge and R. D. Manning. 2,586,042, Feb. 19.
Steel with high toughness at high hardness levels, Low-alloy, high-hardenability. J. M. Hodge and R. D. Manning. 2,586,041, Feb. 19.
Sterol esters of nicotinic acid. H. R. Rosenberg. 2,586,438, Feb. 19.
Stirring apparatus for molten glass in forehearths. K. E. Peiler. 2,586,079, Feb. 19.
Stitchless embossed fabrics, Making. G. Corallo. 2,586,208, Feb. 19.
Stock switch. H. F. Benoit. 2,586,144, Feb. 19.
Stocking. E. Camillo. 2,586,204, Feb. 19.
Stool, Collapsible adjustable. W. J. Sannebeck. 2,586,724, Feb. 19.
Storage bin, Revolving. L. J. Nixon. 2,586,699, Feb. 19.
Stove drawer track. A. Zaltzman. 2,586,138, Feb. 19.
Strainer for washing machines. H. D. Brotman. 2,586,508, Feb. 19.

Strand handling apparatus. T. T. Bunch. 2,585,999, Feb. 19.
Strap buckle, Adjustable. S. Grishman. 2,586,159, Feb. 19.
Street-sweeping machine. C. W. Mott. 2,586,554, Feb. 19.
Stroke variation device for winding machines. H. P. Fry, Jr. 2,586,020, Feb. 19.
Styrene copolymers. J. J. Sleightholme. 2,586,571, Feb. 19.
Styrene drying-oil copolymers. J. J. Sleightholme. 2,586,572, Feb. 19.
Sugar cane stubble digger. E. F. Pitre. 2,586,254, Feb. 19.
Sulfite liquor treating processes and products. C. Uschmann. 2,585,977, Feb. 19.
Sulfonamido alpha aroylamino derivatives of anthraquinone compounds. W. Kern, P. Sutter, and T. Holbro. 2,586,233, Feb. 19.
Support: *See*—
  Copyholder paper support.
Support. J. J. Kennedy. 2,586,543, Feb. 19.
Support having ladder assembly, Wheeled. D. L. Gordon. 2,586,531, Feb. 19.
Suppressing the corrosion of copper-containing alloys in the presence of ammonium salts. C. Phillips, Jr. 2,586,709, Feb. 19.
Surface generation of seismic waves. R. F. Simon and S. N. Heaps. 2,586,731, Feb. 19.
Surgical retractor, Table supported. D. P. Smith. 2,586,488, Feb. 19.
Swing, Horse simulated. C. J. Voelker. 2,586,277, Feb. 19.
Switch: *See*—
  Electric centrifugal switch.
  Multiple circuit control switch.
  Stock switch.
  Television receiver image-size contol switch.
  Thermal starting switch.
Switch for mine shaft signal systems, Pull. R. L. Rutherford. 2,586,722, Feb. 19.
Switch of the push-button type, Momentary contact. A. G. Kling and C. R. Goerg. 2,586,056, Feb. 19.
Synchronizing system. W. J. Gruen. 2,585,930, Feb. 19.
Synchronizing system for resonant circuit oscillators. W. J. Gruen. 2,585,929, Feb. 19.
Synthesis of vitamin A and intermediates therefor. J. W. Copenhaver. 2,586,305–06, Feb. 19.
Synthetic mold composition. B. P. Wallace. 2,586,585, Feb. 19.
Synthetic resin emulsions and the preparation thereof. New stable. L. Schibler. 2,586,098, Feb. 19.
Syringe assembly. M. L. Lockhart. 2,586,068–9, Feb. 19.
System for and method of controlling hysteresis motors. H. C. Roters. 2,586,095, Feb. 19.
Tag-marking machine cutoff knife. F. L. Rieger. 2,586,383, Feb. 19.
Tailstock for machine tools. O. von Zelewsky. 2,586,127, Feb. 19.
Taking up slack in lead screw devices. M. Horsky. 2,586,044, Feb. 19.
Tamperproof plug valve. J. G. Bradbury. 2,586,453, Feb. 19.
Tap or reamer driver. J. W. Le Pree. 2,586,067, Feb. 19.
Telemetric apparatus. W. A. Hagenau. 2,586,427, Feb. 19.
Telephone system, Crossbar. A. J. Busch. 2,585,904, Feb. 19.
Telephone system, Message data recording. J. E. Ostline. 2,586,704, Feb. 19.
Television receiver image-size control switch. W. P. Czeropski, Jr., and R. O. Gray. 2,586,521, Feb. 19.
Television system, Three color. F. E. Oakhill. 2,586,558, Feb. 19.
Temperature control system, Fluid heater. C. H. Barnard. 2,586,503, Feb. 19.
Tensioning means for loom warp beams. R. M. Taylor. 2,586,116, Feb. 19.
Testing device. J. S. Kopas. 2,586,234, Feb. 19.
Testing springs, Method and apparatus for. J. A. Nodson. 2,585,960, Feb. 19.
Tetrafluoroethylene polymer compositions. W. E. Llewellyn. 2,586,357, Feb. 19.
Thermal conductivity bridge for gas analysis. C. C. Minter. 2,585,959, Feb. 19.
Thermal starting switch. T. E. Foulke. 2,586,321, Feb. 19.
Thermo safety valve. C. A. Newman and R. S. Berry. 2,586,248, Feb. 19.
Thermometer case. J. J. Weber and R. M. Wilhelm. 2,586,448, Feb. 19.
Thermostat, Double arm. G. F. Dales. 2,586,309, Feb. 19.
Thread guide. W. L. Perry. 2,585,962, Feb. 19.
Threading apparatus. C. H. Laemmel. 2,586,668, Feb. 19.
3,3'-methylenebis (4-hydroxybenzenearsonic acid) and its production. H. E. Faith. 2,586,316, Feb. 19.
Tie holder. F. W. Stargardt. 2,586,272, Feb. 19.
Timing system. R. L. Alcorn, Jr. 2,586,592, Feb. 19.
Tire, Front tractor. H. J. Jezek. 2,586,051, Feb. 19.
Tire valve. E. P. Coskey. 2,586,455, Feb. 19.
Tobacco. S. G. Norton. 2,586,701, Feb. 19.
Tone arm indexing apparatus. B. N. Fisher. 2,586,422, Feb. 19.
Tool: *See*—
  Scraping and wiping tool.
Tool for portable motor-blower units, Draft applying. G. W. Breuer and C. W. Lanter. 2,586,145, Feb. 19.
Torque testing instrument for self-locking nuts, etc. W. H. Petit. 2,586,708, Feb. 19.
Torsion meter. W. H. T. Holden. 2,586,540, Feb. 19.
Toy, Boxing. M. Land. 2,586,432, Feb. 19.
Toy bulldozer, Remote-controlled. R. A. MacKenzie. 2,586,239, Feb. 19.
Toy, Educational. O. Rinde. 2,586,564, Feb. 19.
Toy, Windmill. R. L. Walrath. 2,586,189, Feb. 19.
Tracer control valve. W. G. Hoelscher. 2,586,654, Feb. 19.
Track pontoon. A. Gazda. 2,586,218, Feb. 19.
Traction device for vehicle wheels. J. Jacobs. 2,586,049, Feb. 19.
Tractor hitch. R. Schumaier. 2,586,390, Feb. 19.
Traffic controlling apparatus, Railway. C. W. Failor. 2,586,458, Feb. 19.
Trailer hitch. C. R. Bingham. 2,586,202, Feb. 19.
Trailer, Roller keel boat. E. F. Schroeder. 2,586,485, Feb. 19.
Transformer, High-frequency. R. Lee. 2,586,352, Feb. 19.
Transformer, Saturable. W. J. Holt, Jr. 2,586,657, Feb. 19.
Trans-3-pentenoic acid, Producing. A. M. Hyson. 2,586,341, Feb. 19.
Transmitter, Azimuth. A. C. Reid. 2,586,259, Feb. 19.
Transmitting and receiving apparatus for electromagnetic prospecting. W. M. Barret. 2,585,907, Feb. 19.
Trap: *See*—
  Animal trap.
  Animal tunnel trap.
  Crab trap.
  Hand trap.
  Steam trap.
Treating potable distilled spirits. C. J. Wilken. 2,586,133, Feb. 19.
Treatment of textile materials. G. E. Niles. 2,586,477, Feb. 19.
Treatment of textile materials. J. B. Speakman and A. Crummett. 2,586,105, Feb. 19.
Treatment process for hypereutectic cast irons. E. Eyt and L. Reygagne. 2,586,315, Feb. 19.
Tricoordinate radio direction finder. K. W. Jarvis. 2,586,342, Feb. 19.
Trolley for electric power distribution system. C. E. Barkis. 2,586,414, Feb. 19.
Truck for rail vehicles. A. S. Krotz. 2,586,061, Feb. 19.
Truck grain body. E. T. White, Jr. 2,586,279, Feb. 19.
Truck rim design. W. K. Collette. 2,586,206, Feb. 19.
Tube for color television, Pickup. A. Rose. 2,586,482, Feb. 19.
Tube sectioning machine. M. E. Gazette. 2,586,424, Feb. 19.
Turning machine. G. Stewart. 2,586,183, Feb. 19.
Turntable drive. F. R. Nuckols. 2,586,174, Feb. 19.
Two-cycle crankcase compression engine. B. Jacobsen. 2,586,467, Feb. 19.
Two-cycle internal-combustion engine. A. de Laage. 2,586,621, Feb. 19.
Two element photographic lens system. J. K. Davis. 2,586,418, Feb. 19.
Undergarment. R. W. Collini. 2,586,614, Feb. 19.
Underpinning of buildings. F. Pryke. 2,586,712, Feb. 19.
Uniform strand tension device. R. D. Heffelfinger. 2,586,037, Feb. 19.
Uniform strand tension device. R. D. Heffelfinger and J. A. Truitt. 2,586,038, Feb. 19.
Uniform strand tension device. J. A. Truitt. 2,586,123, Feb. 19.
Unitary device for selectively actuating multiple triggers. W. M. Fay. 2,586,317, Feb. 19.
Urn for making coffee and the like, Twin. F. C. Ehrenreich and H. W. Anderson. 2,586,152, Feb. 19.
Valve: *See*—
  Antiscald and proportioning valve.
  Dry pipe valve.
  Excess flow check valve.
  Plug valve.
  Reaction type valve.
  Relay emergency air brake valve.
  Tamperproof plug valve.
  Thermo safety valve.
  Tire valve.
  Tracer control valve.
Valve assembly, Pressure relief. M. J. Zimmer. 2,586,759, Feb. 19.
Valve assembly, Solenoid. S. B. McLeod. 2,586,683, Feb. 19.
Valve control system for portable pneumatic staplers. A. G. Juilfs. 2,585,940, Feb. 19.
Valve for drains, Backwater. E. G. Stoltz, Sr. 2,586,735, Feb. 19.
Valve for lubricating apparatus, Manually operated control. E. W. Davis. 2,586,456, Feb. 19.
Valve mechanism for soot blowers. De L. E. Hibner. 2,586,165, Feb. 19.
Valve spring compressor. E. Jensen. 2,586,050, Feb. 19.
Variable impedance device. F. Kesselring. 2,586,544, Feb. 19.
Variable-speed changing gear. S. B. Rennerfelt. 2,586,260, Feb. 19.
Variable-speed transmission. H. Schottler. 2,586,725, Feb. 19.
Vehicle body. B. B. Teeter. 2,585,976, Feb. 19.
Velocity and direction indicator. R. L. Divoll. 2,586,010, Feb. 19.

Vending machine, Bottle. H. T. Larimore. 2,586,351, Feb. 19.
Vending machine for bottled goods having vertical rotating basket unit. R. T. Manley. 2,586,241, Feb. 19.
Vial filler. D. D. Washburn and W. L. Elder. 2,586,586, Feb. 19.
Vibration degenerating device. E. R. Gasser and G. H. Hedman. 2,586,157, Feb. 19.
Vinyl chloride, Making. G. E. Baxter. 2,585,911, Feb. 19.
Vise, Fly tier's. R. C. Fischer and O. D. Litsch. 2,586,636, Feb. 19.
Vulcanizable chlorosulfonated polymers. A. McAlevy. 2,586,363, Feb. 19.
Wall outlet box mounting. F. B. Shepard. 2,586,728, Feb. 19.
Watch movement fastener. E. Ditesheim. 2,586,419, Feb. 19.
Water dispersible dry preparations of hardenable binding agents. L. Schibler. 2,585,967, Feb. 19.
Water distributing device. W. H. Coles. 2,586,517, Feb. 19.
Water filter. A. P. Heldenbrand. 2,586,226, Feb. 19.
Water-pressure bearing. L. S. Smathers. 2,586,269, Feb. 19.
Waterproof container. R. J. Swanson. 2,586,740, Feb. 19.
Weatherproof folding chair. A. C. Foss. 2,586,216, Feb. 19.
Weed guard for fishhooks. B. Hayden. 2,586,162, Feb. 19.
Wheel: *See*—
Quick detachable wheel.
Wheel aligning mechanism, Numeral. F. W. Cunningham. 2,586,520, Feb. 19.
Wick moistening means for duplicating machines. R. M. Ford and D. P. Crane. 2,586,461, Feb. 19.
Wide angle oblique projection system. P. Planer. 2,586,436, Feb. 19.
Window frame and sash assembly. H. Edwards and G. H. Goodemote. 2,586,525, Feb. 19.
Window shade roller. R. W. Hyde. 2,586,340, Feb. 19.
Windshield cleaner. E. V. Schaal. 2,586,096, Feb. 19.
Wire coil insert with tapered end. H. W. Cram and J. O. Forster. 2,586,007, Feb. 19.
Wireless receiver tunable to a number of wave length ranges. A. Stigter. 2,586,576, Feb. 19.
Wood laminate bonded with an adhesive comprising melamine formaldehyde resin and an ester of glycerol and sebacic acid. J. C. Mead and W. C. Schneider. 2,586,473, Feb. 19.
Work holding means. E. W. Kroeger and J. Daugherty. 2,585,944, Feb. 19.
Working laminated metal. J. C. Granfield. 2,586,532, Feb. 19.
Wrapping machine and wrapping, Heat sealed. J. P. Truscott. 2,586,580, Feb. 19.
Wrench: *See*—
Screw operated jar cap wrench.
Wringer. N. L. Etten. 2,586,155, Feb. 19.
Yarn twist distributing machine. M. H. Briscoe. 2,586,294, Feb. 19.
Zinc sulfamate antiperspirant. L. D. Apperson. 2,586,289, Feb. 19.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 19, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

1— 49: 2,585,939
2,585,941
2,585,942
2— 3: 2,585,937
32: 2,586,658
41: 2,586,355
2,586,614
42: 2,586,267
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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Condition of Applications Under Examination at Close of Business February 1, 1952

Total number of patent applications awaiting action, 105,210. Date of oldest new application, April 2, 1951; date of oldest amended application, April 2, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	4-2-51	4-2-51	2175
2. HERRMAN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	7-20-51	7-9-51	1156
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	6-20-51	6-21-51	1624
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	4-12-51	4-13-51	1969
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	6-20-51	6-19-51	1271
6. SURLE, H., Carbon Chemistry (part)	5-14-51	5-21-51	2010
7. GONSALVES, J. E., Optics; Photography (part)	5-26-51	5-21-51	1246
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	4-20-51	4-18-51	1788
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	4-12-51	4-12-51	1571
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	4-6-51	4-4-51	1145
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	5-7-51	5-2-51	1002
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	5-10-51	5-9-51	1132
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	4-13-51	4-13-51	1325
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal); Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	4-18-51	4-13-51	1671
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	6-21-51	6-16-51	1180
16. LOVEWELL, N. N., Television, Telephony	4-9-51	4-5-51	1283
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	4-13-51	4-12-51	2021
18. KURZ, J. A., Power Plants; Speed Responsive Devices	4-6-51	4-7-51	1512
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	5-1-51	4-30-51	1122
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	5-4-51	5-4-51	1410
21. MADER, R. C., Textiles	4-13-51	4-14-51	1420
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	4-13-51	4-13-51	1258
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-6-51	4-7-51	895
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	6-2-51	6-4-51	1589
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	5-22-51	5-22-51	1236
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	4-23-51	4-17-51	1223
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	4-25-51	4-23-51	1695
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-19-51	4-12-51	1449
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	4-19-51	4-27-51	1460
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	6-9-51	6-9-51	1564
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-11-51	5-21-51	2047
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	5-19-51	5-2-51	1261
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-20-51	4-21-51	2139
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	5-3-51	5-1-51	1373
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	4-13-51	4-10-51	1613
36. McFADYEN, A. D., Measuring and Testing	4-6-51	4-4-51	1393
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	5-21-51	5-15-51	1223
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	4-21-51	4-28-51	1540
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	5-21-51	5-18-51	2325
40. DRUMMOND, E. J., Receptacles (part); Packages	5-1-51	4-26-51	2480
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	4-17-51	4-16-51	1241

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 105,210. Date of oldest new application, April 2, 1951; date of oldest amended application, April 2, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	5-3-51	5-2-51	1295
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	5-16-51	5-12-51	1254
44. HARVEY, L. P., Beds; Chairs, Seats	5-3-51	5-1-51	1459
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-23-51	4-23-51	1451
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	5-14-51	5-4-51	927
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	5-10-51	4-17-51	1420
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	5-2-51	4-25-51	1557
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	4-14-51	4-16-51	1582
50. LEVIN, S., Synthetic Resins	7-9-51	7-10-51	1639
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	5-1-51	5-1-51	1092
52. WHITNEY, F. L., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	4-16-51	4-15-51	2180
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	5-15-51	5-8-51	1078
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	5-9-51	5-9-51	1717
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	5-22-51	5-22-51	1146
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	5-21-51	5-16-51	1792
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	5-1-51	5-4-51	1883
58. DOWELL, E. F., Rolls and Rolling; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	4-17-51	4-14-51	1216
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	5-8-51	5-2-51	1171
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	5-9-51	5-22-51	1105
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	4-20-51	4-18-51	1294
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	5-8-51	5-5-51	1404
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	5-5-51	5-8-51	1720
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	6-30-51	7-2-51	1766
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	5-12-51	5-12-51	1454
66. LISANN, L., Geometrical Instruments; Automatic Weighers; Weighing Scales	4-5-51	4-5-51	1113
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	5-5-51	5-4-51	1203
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	4-20-51	4-13-51	1781
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	4-19-51	4-20-51	1345
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	4-17-51	4-6-51	1574
DESIGNS. A. BREHM, G. L., Industrial Arts	10-4-51	11-1-51	668
DESIGNS. B. GRAY, M. A., Household, Personal and Fine Arts	9-13-51	10-4-51	893

Total number of trade-mark applications awaiting action (including renewals and republications), 15,720. Date of oldest new application, July 10, 1951; date of oldest amended application, July 10, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 32, 35, 44, 50, 51, 52	7-10-51	7-10-51	4978
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	8-1-51	8-3-51	3191
Renewals (All Classes)	11-23-51	12-27-51	650
Republications (All Classes)	12-13-51	12-27-51	229
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	7-27-51	8-1-51	3708
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	8-18-51	8-14-51	2964

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

KEROTEST MANUFACTURING COMPANY

v.

C-O-TWO FIRE EQUIPMENT COMPANY

No. 180. Decided January 2, 1952

[— U. S. —; — USPQ —]

1. PATENTS—SUIT FOR DECLARATORY JUDGMENT—INJUNCTION TO STAY ACTION DISCRETIONARY WITH COURT.
Where the lower court granted an injunction staying an action for declaratory judgment pending trial of an earlier filed patent infringement suit in another jurisdiction, *Held* that, since the factors relevant to a wise administration of the Federal Declaratory Judgments Act (48 Stat. 955, 28 U. S. C. Sec. 2201–2202) are equitable in nature, the decision of the lower court that all interests will be best served by prosecution of the earlier filed suit was not an abuse of discretion.

2. SAME—SAME—FEDERAL DECLARATORY JUDGMENTS ACT CONSTRUED.
The manufacturer who is charged with infringing a patent cannot stretch the Federal Declaratory Judgments Act to give him a paramount right to choose the forum for trying out questions of infringement and validity.

3. SAME—SAME—SUBSEQUENT SUITS MAY BE ENJOINED.
If the manufacturer is forehanded, subsequent suits against him by the patentee can, within the trial court's discretion, be enjoined pending determination of the declaratory judgment suit, but if he is anticipated, the court's discretion is broad enough to protect him from harassment of his customers.

4. SAME—SAME—PERMITTED WHERE MANUFACTURER CANNOT BE JOINED AS DEFENDANT IN ANOTHER SUIT.
If a patentee's suit against a customer is brought in a district where the manufacturer cannot be joined as a defendant, the manufacturer may be permitted simultaneously to prosecute a declaratory action against the patentee elsewhere.

5. SAME—SAME—RELIEF PROVIDED BY JUDICIARY CODE WHERE JOINED IN FORUM NON CONVENIENS.
If the manufacturer is joined as an unwilling defendant in forum non conveniens, he has available, upon an appropriate showing, the relief provided by Sec. 1404(a) of the Judiciary Code.

ON WRIT of certiorari to Court of Appeals for the Third Circuit.

AFFIRMED.

THE CHIEF JUSTICE and MR. JUSTICE BLACK dissenting.

Walter J. Blenko (*John F. C. Glenn* and *Aaron Finger* of counsel) for petitioner.

R. Morton Adams (*Arthur G. Connolly* and *Edward T. Connors* of counsel) for respondent.

MR. JUSTICE FRANKFURTER delivered the opinion of the Court.

The C-O-Two Fire Equipment Company, the respondent here, owns two patents [Re. 23,142, No. 2,454,621], one issued on November 23, 1948, and the other reissued on August 23, 1949, for squeeze-grip valves and discharge heads for portable fire extinguishers. C-O-Two, incorporated in Delaware, has offices in Newark, New Jersey. On January 17, 1950, it commenced in the District Court for the Northern District of Illinois an action against the Acme Equipment Company for "making and causing to be made and selling and using" devices which were charged with infringing C-O-Two's patents.

On March 9, 1950, the petitioner Kerotest began in the District Court of Delaware this proceeding against C-O-Two for a declaration that the two patents sued on in the Illinois action are invalid and that the devices which Kerotest manufactures and supplies to Acme, the Illinois defendant, do not infringe the C-O-Two patents. Kerotest, a Pennsylvania corporation, has its offices in Pittsburgh, but was subject to service of process in Illinois. C-O-Two on March 22, 1950, filed an amendment to its complaint joining Kerotest as a defendant in the Illinois action.

In Delaware, C-O-Two moved for a stay of the declaratory judgment action and Kerotest sought to enjoin C-O-Two from prosecuting the Illinois suit "whether as against Kerotest alone, or generally, as [the Delaware District Court might] deem just and proper. The district court stayed the Delaware proceeding and refused to enjoin that in Illinois, subject to reexamination of the questions after 90 days (85 USPQ 185). On appeal by Kerotest, the Court of Appeals for the Third Circuit affirmed, holding that the district court had not abused its discretion in staying the Delaware action for 90 days to permit it to get "more information concerning the controverted status of Kerotest in the Illinois suit" (182 F.2d 773, 775; 86 USPQ 4, 5).

During the 90-day period the Illinois District Court allowed the joinder of Kerotest as a defendant, denying a motion by Acme to stay the Illinois proceeding pending disposition of the Delaware suit, and Kerotest made a general appearance. After 90 days both parties renewed their motions in Delaware, with Kerotest this time asking that C-O-Two be enjoined from prosecuting the Illinois suit only as to Kerotest. The district court, a different judge sitting, enjoined C-O-Two from proceeding in the Illinois suit against Kerotest, and denied the stay of the Delaware action, largely acting on the assumption that rulings by its own and other courts

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of appeals required such a result except in "exceptional cases," since the Delaware action between C-O-Two and Kerotest was commenced before Kerotest was made a defendant in the Illinois suit (92 F. Supp. 943; 86 USPQ 465). On appeal, the Court of Appeals for the Third Circuit reversed, saying in part:

"• • • the whole of the war and all the parties to it are in the Chicago theatre and there only can it be fought to a finish as the litigations are now cast. In the other hand if the battle is waged in the Delaware arena there is a strong probability that the Chicago suit nonetheless would have to be proceeded with for Acme is not and cannot be made a party to the Delaware litigation. The Chicago suit when adjudicated will bind all the parties in both cases. Why should there be two litigations where one will suffice? We can find no adequate reason. We assume, of course, that there will be prompt action in the Chicago theatre." 88 USPQ 335, 337.

A petition for rehearing was granted and the court of appeals, the seven circuit judges sitting en banc, in an expanded opinion to which two judges dissented, adhered to the views of the court of three judges (189 F.2d 31; 89 USPQ 411). Inasmuch as a question of importance to the conduct of multiple litigation in the Federal judicial system was involved, we granted certiorari (342 U. S. 810; 92 USPQ 1).

[1] The Federal Declaratory Judgments Act,[1] facilitating as it does the initiation of litigation by different parties to many-sided transactions, has created complicated problems for coordinate courts.[2] Wise judicial administration, giving regard to conservation of judicial resources and comprehensive disposition of litigation, does not counsel rigid mechanical solution of such problems. The factors relevant to wise administration here are equitable in nature. Necessarily, an ample degree of discretion, appropriate for disciplined and experienced judges, must be left to the lower courts. The conclusion which we are asked to upset derives from an extended and careful study of the circumstances of this litigation. Such an estimate has led the court of appeals twice to conclude that all interests will be best served by prosecution of the single suit in Illinois. Even if we had more doubts than we do about the analysis made by the court of appeals, we would not feel justified in displacing its judgment with ours.[3]

It was strongly pressed upon us that the result below may encourage owners of weak patents to avoid a real test of their patents' validity by successive suits against customers in forums inconvenient for the manufacturer, or selected because of greater hospitality to patents. Such apprehension implies a lack of discipline and of disinterestedness on the part of the lower courts, hardly a worthy or wise basis for fashioning rules of procedure. It reflects an attitude against which we were warned by Mr. Justice Holmes, speaking for the whole Court, likewise in regard to a question of procedure: "Universal distrust creates universal incompetence." *Graham* v. *United States*, 231 U. S. 474, 480. If in a rare instance a district judge abuses the discretionary authority the want of which precludes an effective, independent judiciary, there is always the opportunity for corrective review by a court of appeals and ultimately by this Court.

[2] The manufacturer who is charged with infringing a patent cannot stretch the Federal Declaratory Judgments Act to give him a paramount right to choose the forum for trying out questions of infringement and validity. He is given an equal start in the race to the courthouse, not a headstart. [3] If he is forehanded, subsequent suits against him by the patentee can within the trial court's discretion be enjoined pending determination of the declaratory judgment suit,[4] and a judgment in his favor bars suits against his customers.[5] If he is anticipated, the court's discretion is broad enough to protect him from harassment of his customers. [4] If the patentee's suit against a customer is brought in a district where the manufacturer cannot be joined as a defendant, the manufacturer may be permitted simultaneously to prosecute a declaratory action against the patentee elsewhere. [5] And if the manufacturer is joined as an unwilling defendant in a forum non conveniens, he has available upon an appropriate showing the relief provided by § 1404(a) of the Judiciary Code. 62 Stat. 869, 937, 28 U. S. C. § 1404(a).[6]

The judgment below must be affirmed.

AFFIRMED.

THE CHIEF JUSTICE and MR. JUSTICE BLACK dissent.

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[1] 48 Stat. 955, 28 U. S. C. §§ 2201–2202.

[2] See Developments in the Law—Declaratory Judgments, 1941–1949, 62 Harv. L. Rev. 787, 814–815, 866 (1949).

[3] Other cases in courts of appeals which present at all comparable situations do not show any rigid rule such as that under which the district court felt constrained. In view of the basis of our decision it would not be profitable to discuss these cases in detail. It will suffice to indicate the concurrent controversies for which adjustment was sought. *Triangle Conduit & Cable Co.* v. *National Elec. Prod. Corp.*, 125 F.2d 1008, 51 USPQ 425; (C. A. 3d Cir.) (suit 1—declaratory action by manufacturer against patentee; suit 2—patentee sues manufacturer and customer for infringement; suit 2 enjoins as to manufacturer); *Cresta Blanca Wine Co.* v. *Eastern Wine Corp.*, 143 F.2d 1012, 62 USPQ 224 (C. A. 2d Cir.) (suit 1—declaratory action by manufacturer against trade-mark owner; suit 2—trade-mark owner sues manufacturer and distributor for infringement; thereafter distributor seeks to intervene as plaintiff in suit 1; intervention denied and suit 2 enjoined as to manufacturer); *Speed Products Co.* v. *Tinnerman Products, Inc.*, 83 U. S. App. D. C. 243, 171 F.2d 727, 77 USPQ 447, 612 O. G. 5 (suit 1—A sues Commissioner of Patents in District of Columbia for registration of trade-mark; suit 2—suit by A in New York against B alone for registration of trade-mark and for declaration of non-infringement of B's mark; thereafter, B joins as defendant in suit 1 and files counterclaim for infringement of B's mark; suit 2 not enjoined and suit 1 not advanced for trial); *Hammett* v. *Warner Bros. Pictures, Inc.*, 176 F.2d 145, 82 USPQ 27 (C. A. 2d Cir.) (suit 1—alleged copyright owner sues broadcaster for infringement; suit 2—declaratory action by writer for broadcaster against alleged copyright owner; thereafter, writer joined as defendant in suit 1; suit 2 dismissed); *Remington Prod. Corp.* v. *American Aerovap, Inc.*, 91 USPQ 312 (C. A. 2d Cir.) December 4, 1951 (suit 1—manufacturer and customer A bring declaratory action against patentee; suit 2—patentee sues customers A, B, C, and D for infringement; thereafter, customer B joins as plaintiff in suit 1; suit 2 enjoined). By endorsing what was in effect an exercise of discretion by the court of appeals below upon consideration of the specific circumstances here, we neither approve nor throw doubt upon decisions by it or other courts of appeals.

[4] See, e. g., *Crosley Corp.* v. *Westinghouse Elec. & Mfg. Co.*, 130 F.2d 474, 54 USPQ 291 (C. A. 3d Cir.); *Carbide & Carbon Chemicals Corp.* v. *United States Industrial Chemicals, Inc.*, 140 F.2d 47, 60 USPQ 216 (C. A. 4th Cir.); *Independent Pneumatic Tool Co.* v. *Chicago Pneumatic Tool Co.*, 167 F.2d 1002, 77 USPQ 334 (C. A. 7th Cir.).

[5] *Kessler* v. *Eldred*, 206 U. S. 285, 128 O. G. 1690.

[6] It is suggested that Rule 15(c) of the Federal Rules of Civil Procedure makes the joinder of Kerotest take the date, as it were, of the original action against Acme, which of course preceded the Delaware action. The equities of the situation do not depend on this argument.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,605,445, F. L. Killian, Machine for manufacturing thin rubber articles; 2,128,827, same, Method and apparatus for manufacturing thin rubber articles, D. C., S. D. N. Y., Doc. 43/404, *Frank B. Killian & Co.* v. *Allied Latex Corp. et al.* "Mandate reversed district court and dismissed action" Jan. 15, 1952.

1,718,332, V. U. Cloer, Process of selecting cotton seed; 2,112,159, S. B. Jackson, Apparatus for treating seeds, D. C., N. D. Ga. (Newman), Doc. 194, *Chemical Delinting Co.* v. *Georgia Chemical Delinting Co. et al.* Dismissed by parties (notice Jan. 17, 1952).

2,004,701, O. A. Livengood, Goggle support, D. C., S. D. N. Y., Doc. 49/779, *Clearsite Corp. of America, Inc.* v. *M. Tannenbaum et al.* Stipulation of dismissal Nov. 26, 1951.

2,039,138, G. R. Auer, Lacrosse racket, filed Jan. 22, 1952, D. C. Md. (Baltimore), Doc. 5683, *G. R. Auer et al.* v. *Eddie Leonard Sporting Goods.*

2,112,159. (See 1,718,332.) 2,128,827. (See 1,605,445.)

2,212,764. (See 2,312,046.) 2,213,113. (See 2,244,591.)

2,244,591, Youngs & Ballantine, Apparatus for testing prophylactic articles of thin rubber; 2,213,113, A. M. Youngs, Method of testing, D. C., S. D. N. Y., Doc. 43/405, *Youngs Rubber Corp.* v. *Allied Latex Corp.* Patents held infringed Sept. 29, 1950; judgment on mandate of court of appeals—action dismissed Jan. 15, 1952.

2,247,796, H. S. Ackerman, Heating boiler, D. C., E. D. N. Y. (Brooklyn), Doc. C–11675, *Hook & Ackerman, Inc., et al.* v. *H. & G. Plumbing Products, Inc.* Judgment by default in favor of Hook & Ackerman, patent held infringed by Hook & Miller; injunction Jan. 16, 1952.

2,300,157, G. R. Hunt, Feather-picking apparatus for fowls, filed Jan. 17, 1952, D. C., E. D. Tex. (Sherman), Doc. 695, *Greenbrier Co. et al.* v. *Denison Poultry & Egg Co.*

2,312,046, W. E. Neilson, Frozen confection mold; 2,212,764, B. L. York, Mold, D. C., S. D. N. Y., Doc. 49/442, *Aldon Products Co. et al.* v. *Victor Neustadtl & Co. et al.* Consent judgment holding 2,312,046 valid and infringed, injunction as to Bannison Mfg. Co., Inc.; counterclaim dismissed as to 2,212,764; complaint dismissed as to Victor Neustadtl & Co., Inc. (notice Jan. 14, 1952).

2,318,807, J. B. Slevin, Jr., Carrier for bottles, D. C., N. D. Ga. (Atlanta), Doc. 3675, *Julian B. Slevin Co., Inc.* v. *Atlanta Paper Co.* Dismissed Jan. 5, 1952.

2,523,885, M. J. Tannenbaum, Combination cap and glareproof goggle, D. C., S. D. N. Y., Doc. 61/197, *Abraham S. Springer et al.* v. *Clearsite Corp. of America, Inc.* Stipulation of dismissal Jan. 11, 1952.

2,565,415, M. D. Welsh, Baby carriage and bassinet, suit for declaratory judgment filed Jan. 21, 1952, D. C., S. D. N. Y., Doc. 72/336, *O. W. Siebert Co.* v. *Welsh Co. et al.* Doc. 72/335, *Hedstrom Union Co.* v. *Welsh Co. et al.*

2,571,435. (See 2,561,270.)

Des. 151,733, W. G. Bley, Lady's stocking, D. C., E. D. Mich. (Detroit), Doc. 8861, *Sanson Hosiery Mills, Inc., et al.* v. *Peggy-Ann, Inc.* Consent judgment for plaintiffs Jan. 16, 1952.

Des. 162,127, A. Chicorel, China stand, filed Jan. 14, 1952, D. C. Fla. (Miami), Doc. 4104–M, *E. C. Leach* v. *E. F. Tatcher.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 35,228, Lever Bros., Ltd., Soaps and detergents, T. M. 59,032, T. M. 170,676, T. M. 321,405, T. M. 413,331, Lever Bros. Co., Soaps and soap powders, D. C., N. D. Ill. (Chicago), Doc. 50c96, *The Diversey Corp.* v. *Lever Bros. Co.* Trade-marks held not infringed; counterclaim dismissed for want of equity Jan. 15, 1952.

T. M. 59,032. (See T. M. 35,228.)

T. M. 88,788, Austin Reed, Ltd., Shirts, collars, cuffs, etc., D. C., S. D. N. Y., Doc. 69/338, *Austin Reed, Ltd.* v. *Summit Mills Corp.* Consent judgment holding trade-mark valid; injunction Jan. 14, 1952.

T. M. 170,676. (See T. M. 35,228.)

T. M. 233,524, Varnish Products Co., Ready-mixed paints and varnishes, filed Jan. 14, 1952, D. C., E. D. Mich. (Detroit), Doc. 11193, *Dutch Masters Paint & Varnish Co.* v. *Reliance Paint & Varnish Co. et al.*

T. M. 321,405. (See T. M. 35,228.)

T. M. 413,331. (See T. M. 35,228.)

NOTICES

[PUBLIC LAW 256—82D CONGRESS]

[CHAPTER 4—2D SESSION]

[H. R. 4687]

AN ACT

To provide for the withholding of certain patents that might be detrimental to the national security, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That whenever publication or disclosure by the grant of a patent on an invention in which the Government has a property interest might, in the opinion of the head of the interested Government agency, be detrimental to the national security, the Secretary of Commerce upon being so notified shall order that the invention be kept secret and shall withhold the grant of a patent therefor under the conditions set forth hereinafter.

Whenever the publication or disclosure of an invention by the granting of a patent, in which the Government does not have a property interest, might, in the opinion of the Secretary of Commerce, be detrimental to the national security, he shall make the application for patent in which such invention is disclosed available for inspection to the Atomic Energy Commission, the Secretary of Defense, and the chief officer of any other department or agency of the Government designated by the President as a defense agency of the United States.

Each individual to whom the application is disclosed shall sign a dated acknowledgment thereof, which acknowledgment shall be entered in the file of the application. If, in the opinion of the Atomic Energy Commission, the Secretary of a defense department, or the chief officer of another department or agency so designated, the publication or disclosure of the invention by the granting of a patent therefor would be detrimental to the national security, the Atomic Energy Commission, the Secretary of a defense department, or such other chief officer shall notify the Secretary of Commerce and the Secretary of Commerce shall order that the invention be kept secret and shall withhold the grant of a patent for such period as the national interest requires, and notify the applicant thereof. Upon proper showing by the head of the department or agency who caused the secrecy order to be issued that the examination of the application might jeopardize the national interest, the Secretary of Commerce shall thereupon maintain the application in a sealed condition and notify the applicant thereof. The owner of an application which has been placed under a secrecy order shall have a right to appeal from the order to the Secretary of Commerce under rules prescribed by him.

An invention shall not be ordered kept secret and the grant of a patent withheld for a period of not more than one year. The Secretary of Commerce shall renew the order at the end thereof, or at the end of any renewal period, for additional periods of one year upon notification by the head of the department or the chief officer of the agency who caused the order to be issued that an affirmative determination has been made that the national interest continues so to require. An order in effect, or issued, during a time when the United States is at war, shall remain in effect for the duration of hostilities and one year following cessation of hostilities. An order in effect, or issued, during a national emergency declared by the President shall remain in effect for the duration of the national emergency and six months thereafter. The Secretary of Commerce may rescind any order upon notification by the heads of the departments and the chief officers of the agencies who caused the order to be issued that the publication or disclosure of the invention is no longer deemed detrimental to the national security.

SEC. 2. The invention disclosed in an application for patent subject to an order made pursuant to section 1 hereof may be held abandoned upon its being established by the Secretary of Commerce that in violation of said order the invention has been published or disclosed or that an application for a patent therefor has been filed in a foreign country by the inventor, his successors, assigns, or legal representatives, or anyone in privity with him or them, without the consent of the Secretary of Commerce. The abandonment shall be held to have occurred as of the time of violation. The consent of the Secretary of Commerce shall not be given without the concurrence of the heads of the departments and the chief officers of the agencies who caused the order to be issued. A holding of abandonment shall constitute forfeiture by the applicant, his successors, assigns, or legal representatives, or anyone in privity with him or them, of all claims against the United States based upon such invention.

SEC. 3. An applicant, his successors, assigns, or legal representatives, whose patent is withheld as herein provided, shall have the right, beginning at the date the applicant is notified that, except for such order, his application is otherwise in condition for allowance, or the effective date of this act, whichever is later, and ending six years after a patent is issued thereon, to apply to the head of any department or agency who caused the order to be issued for compensation for the damage caused by the order of secrecy and/or for the use of the invention by the Government, resulting from his disclosure. The right to compensation for use shall begin on the date of the first use of the invention by the Government. The head of the department or agency is authorized, upon the presentation of a claim, to enter into an agreement with the applicant, his successors, assigns, or legal representatives, in full settlement for the damage and/or use. This settlement agreement shall be conclusive for all purposes notwithstanding any other provision of law to the contrary. If full settlement of the claim cannot be effected, the head of the department or agency may award and pay to such applicant, his successors, assigns, or legal representatives, a sum not exceeding 75 per centum of the sum which the head of the department or agency considers just compensation for the damage and/or use. A claimant may bring suit against the United States in the Court of Claims or in the District Court of the United States for the district in which such claimant is a resident for an amount which when added to the award shall constitute just compensation for the damage and/or use of the invention by the Government. The owner of any patent issued upon an application that was subject to a secrecy order issued pursuant to section 1 hereof, who did not apply for compensation as above provided, shall have the right, after the date of issuance of such patent, to bring suit in the Court of Claims for just compensation for the damage caused by reason of the order of secrecy and/or use by the Government of the invention resulting from his disclosure. The right to compensation for use shall begin on the date of the first use of the invention by the Government. In a suit under the provisions of this section, and in negotiations concerning settlement of a claim, the United States may avail itself of all defenses it may plead in an action under title 28, United States Code, section 1498, as amended. This section shall not confer a right of action on anyone or his successors, assigns, or legal representatives who, while in the full time employment or service of the United States, discovered, invented, or developed the invention on which the claim is based.

SEC. 4. Except when authorized by a license obtained from the Secretary of Commerce a person shall not file or cause or authorize to be filed in any foreign country prior to six months after filing in the United States an application for patent or for the registration of a utility model, industrial design, or model in respect of an invention made in this country. A license shall not be granted with respect to an invention subject to an order issued by the Secretary of Commerce pursuant to section 1 hereof without the concurrence of the head of the departments and the chief officers of the agencies who caused the order to be issued. The license may be granted retroactively where an application has been inadvertently filed abroad and the application does not disclose an invention within the categories prescribed under section 1 hereof.

The term "application" when used in this act includes applications and any modifications, amendments, or supplements thereto, or divisions thereof.

SEC. 5. Notwithstanding any other provisions of law any person, and his successors, assigns, or legal representatives, shall not receive a United States patent for an invention if that person, or his successors, assigns, or legal representatives shall, without procuring the license prescribed in section 4 hereof, have made, or consented to or assisted another's making, application in a foreign country for a patent or for the registration of a utility model, industrial design, or model in respect of the invention. A United States patent issued to such person, his successors, assigns, or legal representatives shall be invalid.

SEC. 6. Whoever, during the period or periods of time an invention has been ordered to be kept secret and the grant of a patent thereon withheld pursuant to section 1 hereof, shall, with knowledge of such order and without due authorization, willfully publish or disclose or authorize or cause to be published or disclosed the invention, or material information with respect thereto, or whoever, in violation of the provisions of section 4 hereof, shall file or cause or authorize to be filed in any foreign country an application for patent or for the registration of a utility model, industrial design, or model in respect of any invention made in the United States, shall, upon conviction, be fined not more than $10,000 or imprisoned for not more than two years, or both.

SEC. 7. The prohibitions and penalties of this act shall not apply to any officer or agent of the United States acting within the scope of his authority, nor to any person acting upon his written instructions or permission.

SEC. 8. The Atomic Energy Commission, the Secretary of a defense department, the chief officer of any other department or agency of the Government designated by the President as a defense agency of the United States, and the Secretary of Commerce, may separately issue rules and regulations to enable the respective department or agency to carry out the provisions of this act, and may delegate any power conferred by this act.

SEC. 9. If any provision of this act or of any section hereof shall be held invalid, the remainder of the act shall not be affected thereby.

SEC. 10. The Acts of Congress approved October 6, 1917 (ch. 95, 40 Stat. 394); July 1, 1940 (ch. 501, 54 Stat. 710); August 21, 1941 (ch. 393, 55 Stat. 657); and June 16, 1942 (ch. 415, 56 Stat. 370) (U. S. C., title 35, secs. 42 and 42a to 42f), are repealed, but such repeal shall not affect any rights or liabilities existing on the date of approval of this act. An order of secrecy issued under the repealed acts, and in effect on the date of the approval of this act, shall be considered an order issued pursuant to this act. A claim arising under the repealed acts and unsettled as of the effective date of this act, may be presented and determined pursuant to the provisions of this act.

SEC. 11. Nothing in this act shall be construed to alter, amend, revoke, repeal, or otherwise affect the provisions of the Atomic Energy Act of 1946 (60 Stat. 755), as amended.

SEC. 12. This act may be cited as the "Invention Secrecy Act of 1951."

Approved February 1, 1952.

Changes in Trade-Mark Rules and Forms

The following amendments have been made in the Rules of Practice in Trade-Mark Cases and in the Trade-Mark Forms, to take effect on the date of publication in the Federal Register except that the changes in the times for filing briefs on appeal made in amendments numbered 9 and 10 do not apply to appeals taken before such dates:

1. Trade-Mark Rule 4.8 (37 C. F. R. Sec. 100.48) has been amended by inserting "or other party" after "applicant" in the second sentence so that said rule reads as follows:

4.8 *Correspondence held with attorney.* When an attorney or other recognized person shall have filed his power of attorney or authorization, duly executed, the correspondence will be held with him. Double correspondence with an applicant or other party and his attorney, or with two attorneys, will not be undertaken. If more than one attorney be appointed, correspondence will be held with the one last appointed unless otherwise requested.

2. Trade-Mark Rule 7.3 (37 C. F. R. Sec. 100.73) has been amended by adding the following paragraph:

If more than one item of goods is specified in the application, the dates of use required in paragraphs (*g*) and (*h*) need be only of one of the items specified, provided the particular item to which the dates apply is designated.

3. Trade-Mark Rule 8.7 (37 C. F. R. Sec. 100.87) has been amended by changing the last sentence to read:

When an applicant requests registration without a full year's use of the mark, in accordance with the last paragraph of section 23 of the Act of 1946, the showing required must be separate from the written application.

4. Trade-Mark Rule 14.1 (37 C. F. R. Sec. 100.141) has been amended by changing "Federal Alcohol Administration" in the last paragraph to "Alcohol Tax Unit, Bureau of Internal Revenue," so that the last paragraph will read as follows:

Labels for wines (Class 47) and for distilled alcoholic liquors (Class 49) must be approved by the Alcohol Tax Unit, Bureau of Internal Revenue.

5. Trade-Mark Rule 16.1 (37 C. F. R. Sec. 100.161) has been amended by changing the title of Class 16 to read:

16. Protective and decorative coatings

6. Trade-Mark Rule 16.4 (37 C. F. R. Sec. 100.164) has been amended by adding the following sentence to the first paragraph:

A request for the issuance of a consolidated certificate must be made of record in each of the applications involved prior to the mailing of the notice of allowance in the earliest application allowed.

7. Trade-Mark Rule 19.4 (37 C. F. R. Sec. 100.194) has been amended by adding the following sentences at the end thereof:

Oral hearings will be held only at the request of any of the parties and on order of the Examiner of Trade-Marks. Briefs in support of or in opposition to such motions shall be filed within thirty days after transmittal of the motion to the Examiner of Trade-Marks or on dates set by such Examiner, and if not so filed consideration thereof may be refused.

8. Trade-Mark Rule 20.3 (37 C. F. R. Sec. 100.203) has been amended to read as follows:

20.3 *Notices filed by attorney.* An unverified notice of opposition may be filed by a duly authorized attorney. The unverified notice and the required fee must be filed in the Patent Office within thirty days after publication (Rule 15.1) of the mark sought to be registered, but such opposition will be null and void unless verified by the opposer and the verification or verified notice filed in the Patent Office within thirty days after such filing, or within such further time after such filing as may be fixed by the Commissioner upon request made before the expiration of said thirty days.

9. Trade-Mark Rule 26.2 (37 C. F. R. Sec. 100.262) has been amended to read as follows:

26.2 *Time and manner of ex parte appeals.* Such appeal must be taken within six months from the date of the action appealed from and must be accompanied by a statement of the reasons therefor. The appellant's brief shall be filed within sixty days after the date of appeal. If the brief is not filed within the time allowed, the appeal may be dismissed. The Examiner shall, within such time as may be directed by the Commissioner, furnish a written statement in answer to the appellant's brief, supplying a copy to the appellant. The appellant may file a reply brief within twenty days from the date of such answer. By delegation from the Secretary of Commerce, such appeals may be heard and decided by an Assistant Commissioner or an Examiner-in-Chief. Cases which have been heard and decided on appeal to the Commissioner will not be reopened except by his order.

The appellant shall indicate, not later than at the time of filing his brief, if he desires an oral hearing. If no request for oral hearing has been made, the appeal will be considered on brief. If the appellant has requested an oral hearing, a day of hearing will be set, and due notice thereof given. Hearings will be held as stated in the notice and oral argument will be limited to one-half hour unless otherwise permitted.

10. Trade-Mark Rule 26.3 (37 C. F. R. Sec. 100.263) has been amended to read as follows:

26.3 *Appeal to the Commissioner from decision of Examiner of Interferences.* Any party to an interference, opposition, cancellation, or a concurrent use proceeding may appeal, stating the reasons therefor, from the final decision of the Examiner of Interferences to the Commissioner in person within the time limit, not less than thirty days, prescribed in the decision, or, if no time limit

is prescribed within thirty days, upon payment of the prescribed fee. The appellant's brief shall be filed within sixty days after the date of appeal. If the brief is not filed within the time allowed, the appeal may be dismissed. The brief of the appellee shall be filed within thirty days after the filing of the appellant's brief. A reply brief, if filed, shall be due within twenty days after the filing of appellee's brief. Briefs and hearings on appeal shall be subject to Rules 24.1 and 24.2 insofar as applicable. The date for hearing will be fixed by the Commissioner in each case. By delegation from the Secretary of Commerce, such appeals may be heard and decided by an Assistant Commissioner or an Examiner-in-Chief.

11. Trade-Mark Form 1 (37 C. F. R. Sec. 110.1) has been amended by changing the second paragraph to read as follows:

The trade-mark was first used on (2*a*) _____ on (3) _____ and first used on said goods in (date) commerce (4) _____ which may lawfully be regulated by Congress on _____. (date)

and by adding the following footnote:

(2*a*) If one or more items are specified in the list of goods appearing in the statement, and the dates given apply to each item or items, insert "the goods specified." If more than one item is specified in the statement, and the dates given apply only to a particular item, insert the name of such item.

12. Trade-Mark Forms 2 and 3 (37 C. F. R. Sec. 110.2 and Sec. 110.3) have been amended by changing the second paragraph to read:

The trade-mark was first used on _____ on _____ and first used on said goods in commerce (date) _____ which may lawfully be regulated by Congress on _____. (date)

These amendments were published in the Federal Register for Feb. 8, 1952, 17 F. R. 1218.

Notice of Tentative Recordation of Trade Name

[T. D. 52015]

Tentative recordation of trade name under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C., Jan. 24, 1952

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"TOPCRAFT, INC." owned by Topcraft, Inc., a corporation of Maryland, 1–3 Old Court Road, Pikesville, Maryland, which name is used in connection with the manufacture and sale of wooden, metal, and fiber cabinets; tables, bars, counters, sinks, shelves, and the tops for same, manufactured in the United States.

Any person who desires to file an opposition to the recordation of this trade name shall notify the Commissioner of Customs, Washington 25, D. C., before the expiration of 30 days after February 14, 1952, of his intent to oppose the recordation. If a notice of opposition is filed, the opposer will be furnished with a copy of the application for recordation of the trade name, together with its supporting documents and instructions as to the procedure to be followed. The customs officers concerned will be given notice within 45 days after February 14, 1952, of any opposition proceeding.

Until 45 days after February 14, 1952, all articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless a notice is received that an opposition has been filed, in which case such articles shall continue to be detained until a final determination is made concerning the right of the applicant to the trade name.

(Signed) FRANK DOW,
Commissioner of Customs.

[T. D. 52917]

Tentative recordation of trade name under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C., Jan. 25, 1952

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"REGENT CUTLERY CO." owned by Bernard H. Fuller and Jerome S. Hahn, U. S. citizens, doing business as copartners under the name of Regent Cutlery Co., 1164 Garrison Avenue, Bronx, New York, which name is used in connection with the manufacture and sale of cutlery, including knives, forks, spoons, and carving sets, manufactured in the United States.

Any person who desires to file an opposition to the recordation of this trade name shall notify the Commissioner of Customs, Bureau of Customs, Washington 25, D. C., before the expiration of 30 days after February 14, 1952, of his intent to oppose the recordation. If a notice of opposition is filed, the opposer will be furnished with a copy of the application for recordation of the trade name, together with its supporting documents and instructions as to the procedure to be followed. The customs officers concerned will be given notice within 45 days after February 14, 1952, of any opposition proceeding.

Until 45 days after February 14, 1952, all articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless a notice is received that an opposition has been filed, in which case such articles shall continue to be detained until a final determination is made concerning the right of the applicant to the trade name.

[Signed] FRANK DOW,
Commissioner of Customs.

Adjudicated Patents

(C. A. Okla.) Reed Patent No. 1,835,523, for an earth boring drill. Claims 1, 3, and 6 *Held* not infringed. *Chicago Pneumatic Tool Co.* v. *Hughes Tool Co.*, 192 F.2d 620; 91 USPQ 227.

(C. A. Okla.) Fletcher Patent No. 1,856,627, for a cutter for earth boring drills. Claims 1 and 3 *Held* valid and not infringed, and claim 2 *Held* valid and infringed. *Id.*

(C. A. Okla.) Reed Patent No. 1,865,706, for an earth boring drill. Claims 2, 13, and 15–18 *Held* not infringed. *Id.*

(C. A. Okla.) Scott and Garfield Patent No. 1,983,316, for a three-cone kit. Claims 1–3 *Held* valid and infringed. *Id.*

(C. A. Okla.) Reed Patent No. 1,997,345, for a roller cutter assembly for earth boring drills, *Held* not infringed. *Id.*

(C. A. Okla.) Scott Patent No. 2,011,084, for a mounting for drill cutters. Claims 1–3 *Held* valid and infringed. *Id.*

(C. A. Okla.) Garfield and Scott Patent No. 2,030,442, for a roller bearing bit. Claims 4, 6, 8, and 12–15 *Held* valid and infringed. *Id.*

(C. A. Okla.) Reed Patent No. 2,047,110, for an earth boring apparatus. Claims 35–37 and 42 *Held* not infringed. *Id.*

(C. A. Okla.) Reed Patent No. 2,058,624, for a roller cutter drill. Claims 1–4 and 8–12 *Held* not infringed. *Id.*

(C. A. Okla.) Reed Patent No. 2,065,742, for a roller cutter spindle and bearing assembly for earth boring drills. Claims 5 and 7 *Held* not infringed. *Id.*

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,464,891, P. K. Rice, Process of and apparatus for producing compressed oxygen, decided Jan. 23, 1952, claims 1, 2, 5, and 10.

Pat. 2,504,270, F. H. MacLaren and J. H. Anderson, Method of preparing polyethylene wax compositions, decided Jan. 8, 1952, claims 1, 2, 3, and 4.

Pat. 2,520,861, R. S. Stone, Sled constructions, decided Jan. 4, 1952, claims 3 and 4.

Pat. 2,525,521, J. R. Caldwell, Copolymers, of acrylonitrile and 2-methallyl alcohol, decided Jan. 11, 1952, claims 1, 5, and 7.

Pat. 2,535,107, M. Wallace, Navigational systems, decided Jan. 17, 1952, claims 1 and 2.

Disclaimers

2,315,103.—*Kador George Anderson*, Chicago, Ill. ANTI-GLARE WINDOW PANE. Patent dated Mar. 30, 1943. Disclaimer filed Jan. 24, 1952, by the inventor, owner of one-half interest, and the assignee, *John Henehan*, owner of one-half interest.

Hereby enter this disclaimer to all to and every part of the specification including claims 1, 2, 3, 4, 5, 6, and 7, of said patent.

2,434,843.—*Frank C. Fahnestock*, Manhasset, and *Walter Ullrich*, Pleasantville, N. Y. METHOD FOR HYDROCARBON CONVERSION IN PRESENCE OF PARTICLE FORM CATALYSTS. Patent dated Jan. 20, 1948. Disclaimer filed Jan. 21, 1952, by the assignees, *Socony-Vacuum Oil Company, Incorporated*, owner of an undivided one-half interest, and *The Lumas Company*, owner of an undivided one-half interest.

Hereby enter this disclaimer to claims 1, 2, 3, 4, and 9, of said patent.

2,464,891.—*Philip K. Rice*, Kenmore, N. Y. PROCESS OF AND APPARATUS FOR PRODUCING COMPRESSED OXYGEN. Patent dated Mar. 22, 1949. Disclaimer filed Jan. 16, 1952, by the assignee, *Union Carbide and Carbon Corporation*.

Hereby enters this disclaimer to claims 1, 2, 5, 7, 8, 9, and 10, of said patent.

2,481,902.—*William E. Bradley*, Swarthmore, Pa. AUTOMATIC FREQUENCY CONTROL CIRCUIT FOR FREQUENCY MODULATION TELEVISION SYSTEMS. Patent dated Sept. 13, 1949. Disclaimer filed Jan. 17, 1952, by the assignee, *Philco Corporation*.

Hereby enters this disclaimer to claims 1, 3, 4, 5, 6, and 8, of said patent.

2,508,267.—*Henry Kasperovicz*, Passaic, N. J. COLOR TELEVISION. Patent dated May 16, 1950. Disclaimer filed Dec. 24, 1951, by the assignee, *Allen B. Du Mont Laboratories, Inc.*; the inventor assenting and agreeing.

Hereby enters this disclaimer to claim 7 of said patent.

2,522,825.—*Temple P. Hoffer*, Dallas, Tex. Patent dated Sept. 19, 1950. TWO-ZONE PUMP. Disclaimer filed Jan. 21, 1952, by the inventor and the assignee, *Otis Pressure Control, Inc.*

Hereby enter this disclaimer to claim 1 of said patent.

2,538,554.—*Walter L. Cherry, Jr.*, Northbrook, Ill. PROCESS OF PRODUCING PIEZOELECTRIC TRANSDUCERS. Patent dated Jan. 16, 1951. Disclaimer filed Dec. 22, 1951, by the inventor and the assignee, *Zenith Radio Corporation*.

Hereby enter this disclaimer to claims 1 to 6 inclusive of said patent.

Cancellation Notice

Constantine J. Skouras, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by C. G. Paris, 204 Stewart Building, Baltimore, Maryland, to effect the cancellation of trade-mark registration of Constantine J. Skouras, 271 West 125th St., New York, New York, No. 391,053, dated October 21, 1941, and the notice of such proceeding sent by registered mail to the said Constantine J. Skouras at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Constantine J. Skouras, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—Feb. 5, 1952.)

ERNEST F. KLINGE,
Jan. 16, 1952. *Assistant Commissioner of Patents.*

Notice—Attorney's Address

Many letters are being returned to this Office for lack of street address. The attorney's full post-office address should be given in every power of attorney. The prompt delivery of communications will thereby be facilitated.

Applicant's Address

The requirement of Rule 61, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

Examiners' Letters and Amendments

Examiners are directed to recite in each letter in an application the date of the action by the applicant to which it is a reply, and applicants are requested to indicate in their actions on an application the date of the last Office letter.

Reservation Clauses Not Permitted

RULE 79. A reservation for a future application of subject-matter disclosed but not claimed in a pending application will not be permitted in the pending application.

Briefs in Appealed Cases

All briefs filed in this Office should have conspicuously placed thereon a statement designating the particular tribunal of the Patent Office to which the brief is addressed.

Photostat Copies

In ordering photostat copies of United States and foreign patents, when only the number of the patent is given, the whole patent, comprising specification and drawing, will be furnished, unless the order specifically states that the "specification only" or "drawing only" is required. Care should be taken in making out orders for foreign patents to give the year of the patent, as in old French and British patents the same number may appear in different years.

Notice Regarding Payment of Fees

RULE 22. Fees and charges payable to the Patent Office are required to be paid in advance, that is, at the time of making application for any action by the Office for which a fee or charge is payable.

RULE 23. All payments of money required for Patent Office fees should be made in United States specie, Treasury notes, national bank notes, post office money orders or postal notes payable in Washington, D. C., or by certified checks. If sent in any other form, the Office may delay or cancel the credit until collection is made. Money orders and checks must be made payable to the Commissioner of Patents. Remittances from foreign countries must be payable and immediately negotiable in the United States for the full amount of the fee required. Money sent by mail to the Patent Office will be at the risk of the sender; letters containing money should be registered.

Cross-References in Cases Relating to Same Subject

When an applicant files an application claiming an invention disclosed in a prior filed application of the same applicant, the second application must contain a reference to the prior application, identifying it by serial number and filing date and indicating the relationship of the applications. When an applicant files, or a common assignee owns, two or more applications relating to the same subject matter of invention, with one or more of the applications disclosing unclaimed matter that is disclosed and claimed in another of the applications, the applications not claiming it must refer to and identify the application claiming it. Cross-references to other related applications may be made when appropriate.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,504,479. Sewing Cabinet. Patented Apr. 18, 1950. Sewing cabinet has a pedestal supporting a base box and spaced upright posts connected by a handle. An intermediate drawer is mounted upon the base box, and a top drawer with a hinged cover and raising knob is mounted upon the intermediate drawer. Base box and upper drawers are connected by a series of levers. As the top drawer is pulled outwardly by a handle on the door, all levers rotate and open all drawers of the tier, making the contents visible. By pushing the handle, the drawers are back to retracted position. (Co-owner) Charles B. Wilhoite, 14606 Ardmore St., Detroit 27, Mich. Group 25—11. Reg. No. 46,532.

Pat. 2,558,797. Air Induction System for Turbo-Supercharged Aircraft Engines, Including Air Intercooler and Air Interwarmer. Patented July 3, 1951. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Air induction system for supercharged aircraft engines includes a heat exchanger that may be used as a cooler to cool the supercharged air, or as a heater to heat it. The heat exchanger is connected to a cool air intake conduit communicating with the atmosphere, and to a warm air intake conduit communicating with a source of warm air. A remotely controlled flap valve for simultaneously opening one conduit and closing the other may be actuated to control the admission of either cool or warm air to the heat exchanger. An air outlet conduit of the heat exchanger communicating with the atmosphere has an adjustable remotely controlled flap valve (with sides) fitted in the discharge end. The valve extends rearwardly so that the slipstream will induce outward flow of air from the conduit. (Owner) Edward C. Theiss, 1651 Rosemont Blvd., Dayton 10, Ohio. Group 37—21—22. Reg. No. 46,533.

Pat. 2,570,053. Walk-In Bathtub. Patented Oct. 2, 1951. Bathtub permits user to walk into tub through a door at floor level and is provided with mechanism which prevents filling of the tub until door is closed, or opening door until water has been drained out. Tub has a hinged door in the side, and a manually operated locking handle. A drain pipe in tub (3 or 4 inches wide to allow water to run out quickly) is closed or opened by a drain valve carrying a float. Linkage and other mechanism coact with a valve, float, door, and door handle in such a way that the drain valve can be closed (by a valve handle) and tub filled only when the door is locked. As the valve is closed, a cam is actuated to lock the door handle. As water is run into the tub with the valve closed, the float operates a plunger locking plate to lock the door handle, and maintain the handle locked until the tub is emptied. (Co-owner) Albert Dressler, Jr., 80 Scott Ave., Elmira, N. Y. Groups 32—61; 33—61. Reg. No. 46,534.

Pat. 2,555,332. Portable Supply Bin. Patented June 5, 1951. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Portable containers for tools, supplies, etc. are adapted for repeated shipping, or for stacking with interlocking portions to provide a storage supply bin without removing contents. Each container is of unitary oblong construction with open front. Transversely divided shelves having cut-away front walls are slidably supported by risers. Risers are carried by compartmentation guide inserts, which are held in position at ends of container by top flanges. At each end of container a disappearing inverted U-shaped handle has legs extending downwardly through top wall and through flange of insert. In under side of container are grooves aligned for nesting the handle bights of a similar container when stacked. A removable door panel is secured by a vertically movable bolt. (Owner) Karl A. Grahn, 317 South Fenwick St., Arlington 4, Va. Groups 25—54; 26—63; 33—73; 34—95. Reg. No. 46,535.

Mississippi Valley Research Laboratories, Inc., offers the following four patents for license or sale on reasonable terms. Inquiries concerning the patents should be directed to the Mississippi Valley Research Laboratories, Inc., 901 South Eighteenth St., St. Louis, Mo.

Pat. 2,450,272. Plasticizable Organic Compounds Plasticized With an Alkoxyalkyl Ether of a Halonitrophenol. Patented Sept. 28, 1948. Halonitrophenyl ethers of certain ethers of glycols together with plasticizable organic compounds. Group 28—51—83. Reg. No. 46,536.

Pat. 2,485,712. Nitrophenyloxypolyalkoxyalkyl Ether and a Composition of It and a Plasticizable Organic Substance. Patented Oct. 25, 1949. Nitrophenyl alkyl ethers of polyalkylene glycols, and halogen derivatives thereof, and plastic compositions plasticized therewith. Group 28—51—83. Reg. No. 46,537.

Pat. 2,527,506. Ethers. Patented Oct. 24, 1950. Bis-(nitrophenyl) ethers of polyethylene glycols and halogen-substituted ethers of this type. These ethers are useful as plasticizers. Group 28—51—83. Reg. No. 46,538.

Pat. 2,569,883. Ethers and Organic Substances Plasticized Therewith. Patented Oct. 2, 1951. Halonitrophenyl ethers of polypropylene glycols, and also plastic compositions plasticized therewith. Group 28—51—83. Reg. No. 46,539.

Pat. 2,508,946. Safety Abrasive Wheel and Arbor Flange. Patented May 23, 1950. Safety abrasive wheel with arbor flange comprises an annulus of bonded abrasive material having a circular groove in each face adjacent its inner marginal edge, and a circular rib on the inner face of each arbor flange stationed loosely within the grooves in radial alignment. The arrangement is such that, in the event that a fragmentation occurs due to centrifugal force, portions of the annulus will be interrupted in flight by restrictive contacts with the ribs carried by the arbor flanges. (Owner) Robert H. Hoffman. Correspondence to Archibald D. McKellar, 53 West Jackson Blvd., Chicago 4, Ill. Group 32—91. Reg. No. 46,540.

Pat. 2,565,181. Volt Control for Alternating Current Welding Machines. Patented Aug. 21, 1951. Provides a welding transformer in which the output voltages and current values are continuously adjustable over a predetermined range for performing arc, spot, or resistance welding operations. A single primary core assembly is movable with respect to two secondary core assemblies and arranged to be magnetically coupled predominantly to either of the secondary core assemblies or to both of them in a degree determined by the position of the primary core assembly. Secondary windings surrounding a portion of one of the secondary core assemblies are provided with a plurality of taps connected to a tap selector switch. Knobs are provided for adjusting the primary winding assembly and the tap switch. (Owner) Lewis S. Mansperger, 133½ East Lexington St., Independence, Mo. Group 36—19. Reg. No. 46,541.

Pat. 2,465,955. Process for the Treatment of Fluorspar. Patented Mar. 29, 1949. A method of economically reagglomerating fluorspar particles in any desired size or shape and in physical form especially suitable for open-hearth steel furnace work. No binding agent is required. The method comprises pouring finely divided fluorspar concentrate (having as essential impurity less than about 8% of normally high fusing silica and free of low fusing impurities) into recesses carried in trays or belts, and subjecting these to temperature of about 1100° C. for approximately 20 minutes. The bricks, cubes, pellets, etc. produced are said to be unaffected by temperature changes, thus facilitating transportation in ordinary freight cars or ship's hold. (Owner) J. Norman Wynne, % Westminster Bank Ltd., Chester, England. Groups 32—95; 33—12—23. Reg. No. 46,542.

General Electric Company offers the patents listed below for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The following 76 patents relate to circuit breakers, switching devices, relays, electric conductors, connectors, and bus bar construction. Also included in the list are an automatic watering device for poultry, and a metallic dustproof box with a hinged cover. Groups 33—69—73; 36—11—19—41. Reg. Nos. 46,543 through 46,618.

Pat. 1,996,720. Electrical Resistance Unit for Overload Relays, Etc. Apr. 2, 1935.

Pat. 2,004,527. Electrical Conducting System. June 11, 1935.

Pat. 2,007,634. Electric Switch. July 9, 1935.

Pat. 2,018,476. Electric Switch. Oct. 22, 1935.

Pat. 2,032,769. Solderless Wire Connection. Mar. 3, 1936.

Pat. 2,038,098. Thermostatic Switch. Apr. 21, 1936.

Pat. 2,038,107. Electrical Connection for Bus Bars. Apr. 21, 1936.

Pat. 2,039,793. Electrical Distribution System. May 5, 1936.

Pat. 2,068,374. Thermostatic Switch. Jan. 19, 1937.

Pat. 2,068,981. Automatic Fountain Waterer. Jan. 26, 1937.

Pat. 2,076,209. Solderless Wire Connecter. Apr. 6, 1937.

Pat. 2,079,282. Electric Switch. May 4, 1937.

Pat. 2,081,269. Snap Action Thermostatic Switch. May 25, 1937.

Pat. 2,086,090. Adjustable Wire Lug. July 6, 1937.

Pat. 2,098,559. Safety Switch. Nov. 9, 1937.

Pat. 2,098,578. Safety Switch. Nov. 9, 1937.

Pat. 2,102,545. Electric Switch. Dec. 14, 1937.

Pat. 2,121,329. Wire Connecter. June 21, 1938.

Pat. 2,124,269. Bus Bar Conduit Distribution System. July 19, 1938.

Pat. 2,125,201. Circuit Breaker. July 26, 1938.

Pat. 2,126,412. Circuit Breaker. Aug. 9, 1938.

Re. 20,649. Thermostatic Overload Switch. Feb. 8, 1938. (Orig. Pat. 2,038,105, dated Apr. 21, 1936.)

Pat. 2,150,564. Circuit Breaker. Mar. 14, 1939.

Pat. 2,161,266. Wire Terminal. June 6, 1939.

Pat. 2,161,571. Bus Bar Conduit System. June 6, 1939.

Pat. 2,164,022. Electric Connector. June 27, 1939.

Pat. 2,166,555. Circuit Breaker. July 18, 1939.

Pat. 2,168,016. Electrical Terminal. Aug. 1, 1939.

Pat. 2,171,964. Manually and Thermostatically Operable Switch or Circuit Breaker. Sept. 5, 1939.

Pat. 2,173,062. Bus Bar Conduit System of Power Distribution. Sept. 12, 1939.

Pat. 2,198,593. Enclosed Switch. Apr. 30, 1940.

Pat. 2,199,793. Terminal Clamp for Electric Fuses, Etc. May 7, 1940.

Pat. 2,216,298. Enclosed Switch. Oct. 1, 1940.

Pat. 2,218,016. Bus Bar Clamp. Oct. 15, 1940.

Pat. 2,222,156. Solderless Wire Terminal. Nov. 19, 1940.

Pat. 2,236,318. Remote Control Electromagnetic Interlock Switch. Mar. 25, 1941.

Pat. 2,240,770. Electric Switch. May 6, 1941.

Pat. 2,243,741. Electric Terminal Clip. May 27, 1941.

Pat. 2,256,910. Enclosed Switch. Sept. 23, 1941.

Pat. 2,263,208. Automatic Electric Switch. Nov. 18, 1941.

Pat. 2,263,210. Electric Switch. Nov. 18, 1941.

Pat. 2,263,211. Electric Power Distribution System. Nov. 18, 1941.

Pat. 2,281,221. Bus Bar Duct Connector. Apr. 28, 1942.

Pat. 2,286,033. Enclosed Electric Switch. June 9, 1942.

Pat. 2,287,994. Electric Switch. June 30. 1942.

Pat. 2,295,577. Electric Switch. Sept. 15, 1942.

Pat. 2,309,611. Bus Bar Conduit. Jan. 26, 1943.

Pat. 2,319,906. Contact Mechanism for Electric Switches. May 25, 1943.

Pat. 2,339,600. Bus Duct System. Jan. 18, 1944.

Pat. 2,340,746. Clamp for Fuses, Relays, Etc. Feb. 1, 1944.

Pat. 2,341,841. Electric Power Distribution System. Feb. 15, 1944.

Pat. 2,356,006. Bus Bar Supporting Clamp. Aug. 15, 1944.

Pat. 2,357,171. Bus Bar Connecting Clamp. Aug. 29, 1944.

Pat. 2,365,514. Alternating Current Network. Dec. 19, 1944.

Pat. 2,405,005. Double-Throw Switch. July 30, 1946.

Pat. 2,411,128. Bus Bar System. Nov. 12, 1946.

Pat. 2,412,142. Thermostatic Switch. Dec. 3, 1946.

Pat. 2,412,382. Electric Trolley Conductor Duct and Collector. Dec. 10, 1946.

Pat. 2,425,278. Switch Actuating Mechanism. Aug. 5, 1947.

Pat. 2,449,221. Electromagnetically Controlled Switch. Sept. 14, 1948.

Pat. 2,450,256. Electric Switch. Sept. 28, 1948.

Pat. 2,453,314. Power Distribution System of the Bus Bar Duct Type. Nov. 9, 1948.

Pat. 2,455,753. Thermal Circuit Breaker. Dec. 7, 1948.

Pat. 2,468,463. Electric Switch Actuating Mechanism. Apr. 26, 1949.

Pat. 2,479,266. Quick Make and Break Switch. Aug. 16, 1949.

Pat. 2,480,410. Electric Switch. Aug. 30, 1949.

Pat. 2,494,314. Electric Switch With Snap Action. Jan. 10, 1950.

Pat. 2,494,868. Circuit Breaker. Jan. 17, 1950.

Pat. 2,500,635. Electromagnetically Actuated Switch. Mar. 14, 1950.

Pat. 2,504,513. Electric Circuit Breaker. Apr. 18, 1950.

Pat. 2,526,861. Electric Relay Unit. Oct. 24, 1950.

Pat. 2,528,591. Electric Relay. Nov. 7, 1950.

Pat. 2,540,491. Electric Circuit Breaker. Feb. 6, 1951.

Pat. 2,550,493. Dustproof Box. Apr. 24, 1951.

Pat. 2,551,373. Electromagnetically Actuated Contactor With Start and Stop and Hold-In Switches. May 1, 1951.

Pat. 2,551,397. Electric Circuit Breaker. May 1, 1951.

Licenses for the following four patents are limited to the field of radio. Group 36—61.

Pat. 2,566,876. Phase Shift System. Sept. 4, 1951. Reg. No. 46,619.

Pat. 2,566,882. Communication System. Sept. 4, 1951. Reg. No. 46,620.

Pat. 2,567,701. Ultra High Frequency Coupling Device for Wave Guides. Sept. 11, 1951. Reg. No. 46,621.

Pat. 2,568,449. Electronic Counter. Sept. 18, 1951. Reg. No. 46,622.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 19, 1952

[VOL. 655. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 500,803. Keuffel & Esser Company, Hoboken, N. J. Filed Apr. 24, 1946.

ALBANIZED

For Sensitized, Transparent, Photographic Papers To Make Engineering Reproductions.
Claims use since Mar. 29, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 557,068. Ralston Purina Company, St. Louis, Mo. Filed May 14, 1948.

CHEEK-R-POULTS

The word "Poults" is disclaimed. Applicant claims ownership of Registrations Nos. 400,769, 407,240, and others.

For Baby Turkeys.
Claims use since Jan. 13, 1943.

Ser. No. 602,872. Allied Chemical & Dye Corporation, New York, N. Y. Filed Aug. 29, 1950. (Sec. 2f as to the word "Barrett.")

Barrett

Applicant claims ownership of Registrations Nos. 87,311, 87,312, and others.

For Pitch, Tar, and Asphalt; Asphaltic and Tarry Materials for Compounding Rubber and Saturating Fabrics; and Raw or Partly Prepared Coal Tar Bases, Coal Tar Oils and Tar Acid Oils.

Claims use since July 1949 as to the mark as shown; and since October 1937 as to the word "Barrett."

Ser. No. 609,063. Willow Branch Feed and Grain Co., Inc., Willow Branch, Ind. Filed Jan. 20, 1951.

Pol-i-Germ

For Farm Seeds.
Claims use since Jan. 2, 1951.

Ser. No. 610,419. A. B. Dick Company, Niles, Ill. Filed Feb. 23, 1951.



For Cotton for Lithographic Duplicating.
Claims use since Oct. 27, 1950.

Ser. No. 610,838. Fordom Forest Products Corporation, New York, N. Y. Filed Mar. 5, 1951.

FF

For Wood Products—Namely, Logs.
Claims use since August 1950.

Ser. No. 611,643. Diana Manufacturing Company, Green Bay, Wis. Filed Mar. 22, 1951.

Glory Pack

The word "Pack" is disclaimed.
For Shredded Plastic Film.
Claims use since Dec. 27, 1947.

Ser. No. 611,897. Holmes-Darst Coal Corporation, Knoxville, Tenn. Filed Mar. 28, 1951.

Benfin

The representation of the geographical outline of the State of Virginia is disclaimed.
For Coal.
Claims use since Jan. 8, 1951.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 582,108. Benjamin Schneider, Philadelphia, Pa. Filed July 16, 1949.

Benfold OF PHILADELPHIA

The words "Of Philadelphia" are disclaimed.
For Leather Goods, Plastic Goods and Novelties—Namely, Billfolds, Suit Cases, Key Ring Cases, Handbags, Portfolios, and Pocketbooks.
Claims use since Feb. 1, 1947.

Ser. No. 615,147. U. S. Handbag Corporation, New York, N. Y. Filed June 13, 1951.

DICETEX

For Ladies' Handbags, Wallets, Travelling Cases, and Beach Bags.
Claims use since Jan. 15, 1951.

Ser. No. 615,733. U. S. Handbag Corporation, New York, N. Y. Filed June 26, 1951.

PICTEX

For Ladies' Handbags, Wallets, Travelling Cases, and Beach Bags.
Claims use since Jan. 15, 1951.

Ser. No. 615,913. Supreme Council, Mystic Order Veiled Prophets of the Enchanted Realm, Chicago, Ill. Filed June 29, 1951.



The representation of the human head is fanciful. Applicant claims ownership of Registration No. 431,841.
For Portfolios, Pocket-Books, Billfolds, Wallets, and Handbags.
Claims use since 1912.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 576,040. Colonial Chemical Co., Inc., Seattle, Wash. Filed Mar. 25, 1949.

COLONIAL

For Brass and Silver Polishes.
Claims use since June 1, 1934.

Ser. No. 578,670. John Freiburg & Co., doing business under the fictitious firm name of John C. Charles Co., Los Angeles, Calif. Filed May 9, 1949.

FORMULA #40

The word "Formula" is disclaimed.
For Metal Polish.
Claims use since Aug. 30, 1948.

Ser. No. 578,710. John Sexton & Co., Chicago, Ill. Filed May 12, 1949. (Sec. 2f.)

Sexton

For Floor and Furniture Polishes and Metal Polishes.
Claims use since March 1944.

Ser. No. 612,291. Behr-Manning Corporation, Troy, N. Y. Filed Apr. 6, 1951. (Sec. 2f.)

SPEED-WET

Applicant claims ownership of Registrations Nos. 302,591, 377,148, and 433,572.
For Coated Abrasives.
Claims use since April 1945 as to the mark shown; and since Mar. 27, 1919, as to "Speed."

CLASS 5

ADHESIVES

Ser. No. 606,107. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Nov. 8, 1950. (Sec. 2f as to "Westinghouse.")



Applicant claims ownership of Registrations Nos. 103,016, 103,017, and others.
For Resorcinol Formaldehyde, Dextrin, Phenolic, and Vinyl Type Adhesives.
Claims use since January 1945.

Ser. No. 611,883. Behr-Manning Corporation, Troy, N. Y. Filed Mar. 28, 1951. (Sec. 2f as to "Behr-Manning.")



For Adhesives—Namely, Protein Base Adhesives, Rubber Base Adhesives, Resin Base Adhesives, and Inorganic Base Adhesives and Pressure Sensitive Adhesive Tape.
Claims use since August 1928.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 603,581. United Enterprises, Inc., doing business as Fli-Pel Company, Chicago, Ill. Filed Sept. 15, 1950.

FLI-PEL

The word "Fli" is disclaimed.
For Repellent for Flies and Insects.
Claims use since July 10, 1950.

Ser. No. 608,300. Chemagro Corporation, New York, N. Y. Filed Jan. 3, 1951.

THIOSOLVE

For Emulsifying and Dispersing Agents for Organic Biocidal Compositions Which Permit Stable Water Emulsions or Dispersions To Be Formed From the Organic Biocides.
Claims use since May 26, 1950.

Ser. No. 615,293. L. Sonneborn Sons, Inc., New York, N. Y. Filed June 16, 1951.

LANATEX

For Soluble Oil for Lubrication of Textile Yarn and Fibres.
Claims use since Mar. 1, 1951.

Ser. No. 617,142. Botany Mills, Inc., Passaic, N. J. Filed July 31, 1951.



The words "Mills, Inc." and "Passaic, N. J." are disclaimed. Applicant claims ownership of Registrations Nos. 376,810 and 405,806.
For Lanolin.
Claims use since May 17, 1950.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 595,251. Ditto, Incorporated, Chicago, Ill. Filed Apr. 5, 1950.

One Writing

For Liquid Preparation for Use in Duplicating Processes of the Type Wherein Copy Sheets Are Moistened With Said Liquid Preparation and Brought Into Contact With Data Appearing on Master Sheets.
Claims use since Mar. 3, 1950.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 581,839. W. L. Stockwell, doing business as W. L. Stockwell Co., Chicago, Ill. Filed July 12, 1949.



The word "Put-E" is disclaimed.
For Putty.
Claims use since Feb. 14, 1940.

Ser. No. 583,345. Johns-Manville Corporation, New York, N. Y. Filed Aug. 11, 1949.

TRANSITE

Applicant claims ownership of Registrations Nos. 172,918 and 390,701.
For Asbestos-Cement Pipe—Namely, Pressure Pipe, House-Connection Pipe, Sewer Pipe, and Pipe Fittings; Corrugated Asbestos-Cement Sheets; and Flat Asbestos-Cement Sheets and Wall Panels.
Claims use since Feb. 1, 1907.

Ser. No. 595,387. Minnesota Mining & Manufacturing Company, St. Paul, Minn. Filed Apr. 7, 1950.

SCOTCHLITE

The word "Brand" is disclaimed. Applicant claims ownership of Registrations Nos. 406,082 and 389,202.

For Liquid, Plastic Base, Filler for Application to Porous Surfaces (e. g. Concrete, Asphalt) To Unify and "Fill" the Same To Provide Improved Base for Adhering Sheet Material.

Claims use since July 1947.

Ser. No. 597,572. American Vermiculite Corporation, New York, N. Y. Filed May 17, 1950.

AVC NUGGETS

The words "American," "Vermiculite," "Corporation" and "Nuggets" are disclaimed.

For Expanded Vermiculite To Be Used as an Aggregate in Plaster and Cement and as a Loose Filled Insulation.

Claims use since Nov. 10, 1948.

Ser. No. 608,474. Quality Materials Company, Buffalo, N. Y. Filed Jan. 6, 1951.

QUEEN

For Rockwool Insulation, Finish Lime, Wood Window Units, Steel Windows, Wallboards, Face Bricks, and Fire Brick.

Claims use since August 1939.

Ser. No. 614,375. Western Brick Company, Danville, Ill. Filed May 25, 1951.

WESTLITE

For Light Weight Aggregate for Concrete.

Claims use since May 1, 1951.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 505,247. J. A. Sexauer Mfg. Co., Inc., New York, N. Y. Original filed, act of 1905, July 8, 1946; amended to application under act of 1946, Principal Register, Jan. 26, 1948. (Sec. 2f.)



The drawing is lined to indicate the color blue and the color yellow or gold. No claim is made to the representation of the goods, nor to the overall coloration of the goods except the yellow coloration inside the blue tip.

For Flush Valve Bulbs.

Claims use since 1929.

Ser. No. 568,677. Snyder Oil Tool Corporation, Los Angeles, Calif. Filed Nov. 12, 1948.

SURCON

For Hydraulic Surge Control Apparatus—Namely, Hydro-Pneumatic Accumulators, Pilot Line Control Apparatus—Namely, Pneumatic Controlled Diaphragm Valves and Relief Valves for Pumping Systems.

Claims use since Feb. 26, 1947.

Ser. No. 590,714. Starline, Inc., Harvard, Ill. Filed Jan. 11, 1950.



Applicant claims ownership of Registrations Nos. 206,738, 328,724, 376,686, 421,267, and 421,269.

For Farm Barn Hardware—Namely, Door Hangers, Metal Blades Used To Partition a Manger Into Individual Feed Boxes, Livestock Automatic Drinking Bowls Adapted To Be Connected to a Pipe Line and Valve Levers Therefor and Water Seal Drains.

Claims use since 1883.

Ser. No. 598,011. General Strapping Corporation, New York, N. Y. Filed May 24, 1950.

AGRIPTA

For Metal Flat Band Strapping for Boxes, Bales, Packages, and the Like.

Claims use since Sept. 25, 1935.

Ser. No. 613,382. Otis Engineering Corporation, Dallas, Tex. Filed May 1, 1951. (Sec. 2f.)

OTIS

Applicant claims ownership of Registration No. 356,656.

For Oil and Gas Well Producing and Servicing Equipment—Namely, Safety Valves, Surface Safety Valves, and Parts Therefor.

Claims use since Jan. 1, 1936.

Ser. No. 615,960. Washington Steel Products, Inc., Tacoma, Wash. Filed June 30, 1951.

PAPER-BOY

The word "Paper" is disclaimed.

For Racks Adapted To Be Mounted on a Surface for Holding and Dispensing Rolled Sheet Material, Such as Paper Toweling, Waxed Paper, Metal Foil, Etc.

Claims use since January 1951.

Ser. No. 616,442. Nixalite Company of America, Davenport, Iowa. Filed July 13, 1951.

Nixalite

For Metallic Bird and Rodent Barrier Material Sold in Strip Form and Having Sharp Wire Fingers Projecting Therefrom on Different Angles and at Closely Spaced Intervals Along Its Length for Use as an Anti-Roosting Device for Birds and Fowls and as a Barrier Against the Passage of Rodents, Etc.

Claims use since Apr. 25, 1950.

Ser. No. 617,897. The R. Wallace & Sons Manfg. Co., Wallingford, Conn. Filed Aug. 20, 1951.

W B W

For Parachute Hardware, i. e., Slides or Adaptors and Snap Hooks.

Claims use since January 1951.

Ser. No. 618,236. Hyman Ledeen, doing business as Ledeen Manufacturing Co., Los Angeles, Calif. Filed Aug. 30, 1951. (Sec. 2f.)

Ledeen

The trade-mark consists of a facsimile of applicant's signature of his surname.

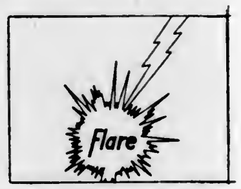
For Hydraulic and Pneumatic Valves.

Claims use since May 12, 1942.

CLASS 15

OILS AND GREASES

Ser. No. 600,807. The Bell Company, Inc., Chicago, Ill. Filed July 18, 1950.



For Hydraulic Jack Oil, Fluid for Wet Clutches, Penetrating Oil, General Use Lubricating Oil, and Rubber Lubricant.

Claims use since Jan. 8, 1943.

Ser. No. 606,363. Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Filed Nov. 14, 1950. (Sec. 2f. Additional evidence.)

BOWES SEAL FAST

The drawing is lined for the color red.

For Anti-Freeze Chemical To Be Added to Fuel in an Engine Fuel Supply System To Avoid Freezing of Water Therein.

Claims use since Nov. 1, 1949.

Ser. No. 612,968. Jones Engineering and Manufacturing Co., St. Louis, Mo. Filed Apr. 21, 1951.

METALIFE

Applicant claims ownership of Registration No. 287,156.

For Crank Case Additive in the Form of an Oil for Motor Lubrication.

Claims use since Oct. 1, 1930.

Ser. No. 615,504. Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Filed June 21, 1951.

DELOTRON

For Lubricating Oils.

Claims use since Apr. 5, 1951.

Ser. No. 615,798. Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Filed June 27, 1951.

SOVAWAX

For Wax Derived From Petroleum.

Claims use since Mar. 9, 1951.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 530,803. Breinig Brothers, Inc., Hoboken, N. J. Filed Aug. 8, 1947. (Sec. 2f. Additional evidence.)

SATINLAC

Applicant claims ownership of Registration No. 216,131.

For Varnishes, Lacquers, Wood Primers, and Wood Sealers.

Claims use since February 1921.

Ser. No. 572,090. Edgar Brothers Company, Metuchen, N. J. Filed Jan. 13, 1949.

A.S.P

The trade-mark is a circular design divided substantially through its center by a reverse curve generally simulating the letter "S" and bearing the letter "A" on the left-hand panel of the design and the letter "P" on the right-hand panel of the design.

For Paint Pigments.

Claims use since July 1942.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 583,837. Sylvan M. Edison, doing business under the name of Edison Chemical Company, Chicago, Ill. Filed July 19, 1949.

AMMO-MINT

The word "Mint" is disclaimed.
For Chewing Gum Medicated To Counteract Tooth Decay.
Claims use since Dec. 15, 1948.

Ser. No. 587,885. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 16, 1949.

HYBEPHEN

For Medicinal Preparation With Antispasmodic and Sedative Action. Indicated in Cases of Gastric Spasm, Spastic Colon, Pylorospasm, Spastic Diarrhea, and Gastric Neuroses.
Claims use since Jan. 1, 1939.

Ser. No. 587,889. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 16, 1949.

NOVIPLEX

For Medicinal Preparation Offering the B-Complex Vitamins in Approximately the Proportion Required by the Human Organism.
Claims use since Sept. 2, 1942.

Ser. No. 596,903. Essential Products, Inc., Atlanta, Ga. Filed May 5, 1950.

THORKON

For Nutritional Supplement Containing Vitamins and Minerals in Tablet Form.
Claims use since Mar. 30, 1950.

Ser. No. 604,070. Colin Pharmacal Co., Inc., Long Island City, N. Y. Filed Sept. 27, 1950.

MULSIGESIC

For Liquid Analgesic Balm Preparation.
Claims use since Aug. 10, 1950.

Ser. No. 604,075. Colin Pharmacal Co., Inc., Long Island City, N. Y. Filed Sept. 27, 1950.

VANADERM

For Medicated Skin Cream.
Claims use since Aug. 10, 1950.

Ser. No. 606,947. Organon Inc., Orange, N. J. Filed Nov. 25, 1950.

DODEX-FEAFORTE

For Medicinal Preparation Containing Liver, Iron, and Vitamin B_{12} With Natural Pyloric Substance, Used in Treating Anemias.
Claims use since Nov. 13, 1950.

Ser. No. 613,149. White Laboratories, Inc., Newark, N. J. Filed Apr. 25, 1951.

DEPLESAL

For Dietary Supplement Preparation Intended for the Removal of Sodium Ions From the Body.
Claims use since Mar. 30, 1951.

Ser. No. 613,150. White Laboratories, Inc., Newark, N. J. Filed Apr. 25, 1951.

NATRISORB

For Dietary Supplement Preparation Intended for the Removal of Sodium Ions From the Body.
Claims use since Mar. 30, 1951.

Ser. No. 613,244. E. R. Squibb & Sons, New York, N. Y. Filed Apr. 27, 1951.

PENFONYLIN

For Penicillin-Sulfonamide Antibacterial Preparation.
Claims use since Apr. 9, 1951.

Ser. No. 613,271. U. S. Vitamin Corporation, New York, N. Y. Filed Apr. 27, 1951.

VI-AQUA

The word "Aqua" is disclaimed.
For Multivitamin Preparation.
Claims use since Mar. 27, 1951.

Ser. No. 613,903. Ciba Pharmaceutical Products, Inc., Summit, N. J. Filed May 16, 1951.

DIBISTINE

For Antihistamine Preparation Indicated for Use in Allergic Conditions.
Claims use since Mar. 13, 1951.

Ser. No. 613,973. Commercial Solvents Corporation, New York, N. Y. Filed May 17, 1951.

COMPENAMINE

For Penicillin Salt.
Claims use since May 4, 1951.

Ser. No. 614,440. Paul J. Hermsen, Omaha, Nebr. Filed May 28, 1951.

GAMATOL

For Preparation Used for the Relief of Hyper-Acidity in the Stomach.
Claims use since Apr. 17, 1951.

Ser. No. 614,705. Makers of Kal, Inc., Los Angeles, Calif. Filed June 4, 1951.

Vitaroi

For Vitamin and Mineral Preparation.
Claims use since May 11, 1951.

Ser. No. 615,806. Marvin R. Thompson, Inc., Stamford, Conn. Filed June 27, 1951.

VEROXINE

For Medicinal Hypotensive Agent.
Claims use since May 28, 1951.

Ser. No. 615,816. The Central Pharmacal Company, Seymour, Ind. Filed June 28, 1951.

THEOMERSYL

For Pharmaceutical Preparation—Namely, a Diuretic in Nephrosis and Cardiorenal Disease, Ascites of Liver Disease, and in Other Conditions Where Adjunctive Treatment Is Indicated, Such as the Edema of Congestive Heart Failure.
Claims use since Mar. 1, 1951.

Ser. No. 620,482. Barnes-Hind Laboratories, San Francisco, Calif. Filed Nov. 1, 1951. (Sec. 2f.)

BARNES-HIND

For Medicine and Pharmaceutical Preparations and Ingredients of Medicines and Pharmaceutical Preparations—Namely, Vitamins and Vitamin Preparations, Alpha Tocopherol, Contact Lens Wetting Solutions, Buffer Solutions, Casein, Contact Lens Solutions, Eye Lubricants for Artificial Eyes, Ferrous Gluconate, Folic Acid, Quaternary Ammonium Germicidal Solutions, Germicidal Wetting Solutions for Contact Lens, Glutamic Acid Preparations, Glutamic Acid-Pepsin Compositions, Ointment Bases, Liver and Iron With B Complex Vitamins, Encapsulated Minerals, Liquid Protein Hydrolysate, Theophyllin, Titanium Dioxide Lotions, Testosterone Propionate, Alpha Estradiol-Testosterone, Alpha Estradiol Benzoate Estrogenic Substance (Natural) in Sesame Oil, Pyridoxine HCl Solution, Thiamin HCl Solution, Thiamin-Pyridoxine Solution, Vitamin B_{12} (Crystalline), Crude Liver Extract, Refined Liver Extract, Desoxycorticosterone Acetate, Sodium Ascorbate, Calcium Gluconate, Double Distilled Water, and Vitamin-Mineral Capsules.
Claims use since Dec. 26, 1940.

CLASS 19

VEHICLES

Ser. No. 597,895. Nash-Kelvinator Corporation, Detroit, Mich., and Kenosha, Wis. Filed May 22, 1950.

Rambler

Applicant claims ownership of Registration No. 56,185.
For Passenger Automobiles and Structural Parts Therefor.
Claims use since Aug. 1, 1900.

Ser. No. 597,896. Nash-Kelvinator Corporation, Detroit, Mich., and Kenosha, Wis. Filed May 22, 1950.

Statesman

For Passenger Automobiles and Structural Parts Therefor.
Claims use since Sept. 22, 1949.

Ser. No. 597,941. Leroy A. Clayton, doing business as Western Trailer Service, South Gate, Calif. Filed May 23, 1950.

The Terry Rambler

The word "Terry" is disclaimed.
For House Trailers.
Claims use since Aug. 2, 1949.

Ser. No. 612,888. Clarence D. Archer, trading and doing business under the name of Archer Welding Works, Knights Landing, Calif. Filed Apr. 20, 1951.

"IMP-CARRIER"

The word "Carrier" is disclaimed.
For Wheeled Trailers Used To Support Farm Tools and Farm Equipment During the Transportation Thereof.
Claims use since Jan. 1, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 523,734. Benjamin Electric Manufacturing Company, Des Plaines, Ill. Original filed, act of 1905, June 7, 1947; amended to application under act of 1946, Principal Register, Oct. 20, 1948. (Sec. 2f.)

Lite-Line

For Fluorescent Lighting Reflectors for Electric Lights and Fittings Therefor.
Claims use since April 1941.

Ser. No. 595,921. Texas Engineering and Manufacturing Company, Inc., Grand Prairie, Tex. Filed Apr. 18, 1950.

TEMCO

The words "Texas Engineering and Manufacturing Co., Inc., Dallas, Tex." and the outline map of the State of Texas are disclaimed.

For Code Flashers for Aircraft and Airport Landing Lights.

Claims use since Nov. 15, 1949.

Ser. No. 608,164. Insulation and Wires Incorporated, St. Louis, Mo. Filed Dec. 28, 1950.

Hi-Die

For Electrical Insulation—Namely, Tubing and Sleeving of Varnished Cotton, Varnished Glass, Vinyl Coated Glass, Saturated Cotton, Saturated Glass, and Silicone Treated Glass.

Claims use since Dec. 2, 1950.

Ser. No. 609,468. Alpha Electronics, Inc., Little Ferry, N. J. Filed Feb. 1, 1951.

ALPHA

For Horizontal and Vertical Television Deflection Yokes.

Claims use since May 1, 1950.

Ser. No. 609,815. Royal Communication Systems, Inc., Cleveland, Ohio. Filed Feb. 8, 1951.

NURSE SAVER

For Electrical Communication Inter-Room Speech, Light and Sound Signal Apparatus Comprising Speakers, Microphones, Amplifiers, Receivers, Multiple Station Switches, Light and Sound Signals, and Interconnecting Circuits.

Claims use since Sept. 19, 1949.

Ser. No. 610,152. Wade Manufacturing Co., Elgin, Ill. Filed Feb. 15, 1951.

KITCHEN MAGICIAN

The word "Kitchen" is disclaimed.

For Electric Garbage Disposal Units for Kitchen Sinks.

Claims use since Jan. 3, 1951.

Ser. No. 612,454. Hytron Radio & Electronics Corp., Salem, Mass. Filed Apr. 10, 1951.

Studio Matched

For Television Picture Tubes.

Claims use since July 14, 1950.

Ser. No. 612,848. Casco Products Corporation, Bridgeport, Conn. Filed Apr. 19, 1951. (Sec. 2f.)

Perfection

Applicant claims ownership of Registration No. 354,670.

For Electric Windshield Heaters, Electric Fans, and Rheostats.

Claims use since Aug. 1, 1923.

Ser. No. 613,947. Stokes Molded Products, Inc., Trenton, N. J. Filed May 16, 1951.

SYNPOR

For Microporous Storage Battery Separators and Retainers.

Claims use since Apr. 20, 1951.

Ser. No. 615,517. Sperti Faraday Inc., Adrian, Mich. Filed May 11, 1951.

700

For Visible and Audible Electric Signals for Highways, Vehicles, Traffic, and in Plants and Establishments for Calling, Alarm, and Information Purposes.

Claims use since Jan. 1, 1928.

Ser. No. 615,851. Republic Battery Sales Co., Inc., Brooklyn, N. Y. Filed June 28, 1951.

Ultra Power

The words "Ultra Power" are disclaimed.

For Storage Batteries.

Claims use since Mar. 6, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 586,751. Lyell D. Henry, Ames, Iowa. Filed Oct. 24, 1949.

PONY BILL
HENRY INDUSTRIES
AMES, IOWA

The words "Henry Industries, Ames, Iowa" and "Pony" are disclaimed.

For Rocking Horses.

Claims use since Sept. 15, 1948.

Ser. No. 600,469. Jack Davis, New York, N. Y. Filed July 11, 1950.

Ginny

For Dolls.

Claims use since June 5, 1950.

Ser. No. 613,439. The Enterprise Manufacturing Company, Akron, Ohio. Filed May 3, 1951.

RITO-PAK

The word "Pak" is disclaimed.

For Fishhooks.

Claims use since Apr. 24, 1951.

Ser. No. 620,901. Skycraft Manufacturing Corporation, Long Beach, Calif. Filed Nov. 5, 1951.

SKYROPLANE

For Toy, Particularly a Toy Airplane.

Claims use since Nov. 16, 1948.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 548,714. Leonard Brody, West New York, N. J. Filed Feb. 4, 1948.

LB

For Power Press Tools—Namely, Blanking, Bending, and Drawing Dies, Drill Jigs, Milling Jigs, Embroidery Machines, and Parts Thereof.

Claims use since Jan. 3, 1947.

Ser. No. 551,957. The Empire Plow Company, Cleveland, Ohio. Filed Mar. 15, 1948.

The drawing is lined for the color brown. The representation of the goods is disclaimed. Applicant claims ownership of Registrations Nos. 384,651, 384,652, and others.

For Turn Shovels.

Claims use since Nov. 1, 1935.

Ser. No. 576,593. Sears, Roebuck and Co., Chicago, Ill. Filed Apr. 4, 1949.

FARM MASTER

The word "Farm" is disclaimed. Applicant claims ownership of Registration No. 441,831.

For Group A—Hog Feed and Overhead Conveyor Type Litter Carriers; Group B—Rotary Wheel Hog Oilers, Milking Machines, Head Trap Type Hog Catchers, Fence Stretchers, Chain Hoists; Group C—Hand Churns, Milking Machine Parts—Namely, Vacuum Tanks, Pail Lids, Pulsators, Claw Connecting Units, Consisting of Lid Gaskets, Replacement Hose, Replacement Milk Tubes, Air Hose, Stall Cocks, Relief Pressure Valves, Teat Cup Inflators; Group D—Hay Carrier Equipment—Namely, Track, Conveyors, Slings, Sling Pulleys, Grapple Forks, Harpoon Forks; Implement Repair Parts—Namely, Wagon Poles, Pole Caps, Single and Doubletrees, Neckyokes, Wagon Hounds, Clevises, Tractor Hitches, Plow Shares, Disc Blades, Mower Guards, Mower Plates, Mower Knives, Combine and Thresher Canvas; Milk Separators; Group E—Hand Grinders, Floor Scrapers; Group F—Sterilizing Rack for Milker Parts, Post Drivers; Group G—Hand Operated Honey Extracting Machine.

Claims use since July 15, 1940.

Ser. No. 589,389. Peters & Russell, Inc., Springfield, Ohio. Filed Dec. 15, 1949.

FLATURI

For Automobile Exhaust Deflectors.

Claims use since Apr. 2, 1949.

Ser. No. 590,303. Chisholm-Moore Hoist Corporation, Tonawanda, N. Y. Filed Jan. 4, 1950. (Sec. 2f.)

MOORE

For Overhead Trolleys and Parts Thereof.

Claims use since June 10, 1924.

Ser. No. 596,037. Madeira Embroidery Co., West New York, N. J. Filed Apr. 20, 1950.

For Embroidery Machines and Parts Thereof.

Claims use since Apr. 10, 1950.

Ser. No. 600,371. Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Filed July 8, 1950.

BLUE BIRD

For Hand-Operated Tire Pumps.

Claims use since June 1, 1925.

Ser. No. 605,650. Edibrac Limited, Broadheath, Cheshire, England. Filed Oct. 31, 1950.

EDIBRAC

Applicant claims ownership of British Registration No. 679,145, dated May 2, 1949.

For Cutting Tools for Use in Woodworking and Metal Working Machines, Cutting Tool Tips, Cutting Tool Tip Blanks, Rock Drills, Coal Cutter Bits and Wire Drawing Dies, All for Use in Machines.

Ser. No. 606,942. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Filed Nov. 25, 1950.

CARSET JACKBIT

The drawing is lined to indicate the colors red and gray. The representation of the goods is disclaimed. Applicant claims ownership of Registration No. 304,500.

For Cutting Heads for Drill Steel.

Claims use since September 1948.

Ser. No. 613,851. Hal Weir McPherson, Chicago, Ill. Filed May 14, 1951.

Sinkit

For Domestic Garbage Grinder To Aid in the Disposal of Household or Kitchen Garbage.

Claims use since May 1, 1951.

Ser. No. 616,539. Beaumont Birch Company, Philadelphia, Pa. Filed July 16, 1951.

BEAUCALLOY

For Bucket Conveyor Apparatus—Namely, Conveyor Buckets, Conveyor Chains, and Traction and Sprocket Wheels for Conveyor Chains, Chain Links, and Link Bearing Pins.

Claims use since October 1950.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 600,541. R. Lally Co., Evanston, Ill. Filed July 12, 1950.

NYTEX

For Laundry and Dry-Cleaning Press Covers, Laundry and Dry-Cleaning Press Pads.

Claims use since May 21, 1950.

Ser. No. 610,998. Speed Queen Corporation, Ripon, Wis. Filed Mar. 7, 1951.

WHIZZ-IRON

The word "Iron" is disclaimed.

For Laundry Equipment—Namely, Ironers.

Claims use since February 1950.

Ser. No. 610,999. Speed Queen Corporation, Ripon, Wis. Filed Mar. 7, 1951.

WHIZZ-JUNIOR

The word "Junior" is disclaimed.

For Laundry Equipment—Namely, Ironers.

Claims use since February 1950.

Ser. No. 618,613. The American Laundry Machinery Company, Cincinnati and Norwood Station, Cincinnati, Ohio. Filed Sept. 11, 1951.

ROTAIRE

For Conditioning Tumbler for Laundry Work Prior to Its Delivery to Ironing Apparatus, the Work Being Conditioned in Said Tumbler by Being Continuously Tumbled and Shaken.

Claims use since Feb. 2, 1951.

Ser. No. 620,476. Thor Corporation, Chicago, Ill. Filed Oct. 25, 1951.



For Domestic Washing Machines.

Claims use since Aug. 21, 1951.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 597,569. Allen Electric and Equipment Company, Kalamazoo, Mich. Filed May 17, 1950. (Sec. 2f.)

ALLEN

For Motor Analyzing Apparatus and Parts Thereof, for Testing, Analyzing, and Synchronizing Internal Combustion Engines, Ignition Systems, Motors and Generators.

Claims use since 1921.

Ser. No. 617,158. Emanuel Nathan, Newark, N. J. Filed July 31, 1951.

Spectapurse

For Spectacle Cases.

Claims use since February 1950.

Ser. No. 618,900. Universal Chemists, Inc., sometimes doing business as Gale Hall Engineering, Boston, Mass. Filed Sept. 17, 1951.

TEL-O-METER

The word "Meter" is disclaimed.

For Gauge To Indicate the General Condition and Efficiency of an Internal Combustion Motor.

Claims use since Aug. 27, 1951.

Ser. No. 619,458. Davega Stores Corporation, New York, N. Y. Filed Oct. 1, 1951.

KENFLEX

For Photographic Cameras, Parts of Photographic Cameras, and Accessories to Photographic Cameras—Namely, Photoflash-Guns and Camera Cases.

Claims use since Sept. 21, 1951.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 572,620. Troop Water Heater Company, Pittsburgh, Pa. Filed Dec. 24, 1948. (Sec. 2f.)

KLEEN-STONE

The word "Stone" is disclaimed.

For Water Purifying and Softening Apparatus of the Household Type.

Claims use since 1937.

Ser. No. 602,281. Nu-Type Manufacturing and Development Corp., Freeport, N. Y. Filed Aug. 16, 1950.

TWIRLOMAT

For Household Refrigerators and Shelves for Said Refrigerators.

Claims use since Aug. 7, 1950.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 603,686. Harold G. Jones, New York, N. Y. Filed Sept. 18, 1950.

Val-Hue

For Window Cornices and Window Valances.

Claims use since Aug. 24, 1950.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 566,587. Holly Manufacturing Company, Pasadena, Calif. Filed Oct. 7, 1948.

h HOLLY

For Space Heaters—Namely, Floor Furnaces and Wall Furnaces.

Claims use since April 1946.

Ser. No. 568,594. The Donley Brothers Company, Cleveland, Ohio. Filed Nov. 12, 1948. (Sec. 2f.)

DONLEY

Applicant claims ownership of Registrations Nos. 169,590, 175,033, and 177,408.

For Fireplace Dampers; Log Rests; Ash Dumps; Dutch Oven Doors; Ashpit and Flue Cleanout Doors; Fireplace Furnishings Comprising Ornamental Fireplace Cranes, Andirons or Fireplace Screens; Glass Fireplace Screens, Metal Fireplace Units Forming the Fireplace and Walls Therearound; Outdoor Fireplaces; Outdoor Ranges, Duplex Steak Grills; Portable Duplex Steak Grills; Outdoor Fireplace Equipment Comprising Grates, Range Assemblies, Dutch Oven Assembly and Charcoal Stoves; Incinerators; Grates, Fire Doors; Receiving Hopper Doors for Incinerators; Incinerator Grates, Spark Screens for Incinerators; Metal Flue Thimbles; Industrial Incinerators; Garden Incinerators; Gas Burners; Attic Ventilators; Roof Ventilators; Brick Ventilators; Foundation Ventilators; Continuously Open Ventilators; and Salamanders Comprising Portable Combustion Heater Units.

Claims use since Nov. 29, 1919.

Ser. No. 582,062. W. & J. Sloane, New York, N. Y. Filed July 15, 1949.

The House of Years

For Candle Holders, Fireplace Screens, Grates, Fenders, Andirons, Oil Lamps, Lamp Shades for Non-Electric Lamps.

Claims use since Oct. 24, 1933.

Ser. No. 582,881. American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Filed Aug. 3, 1949. (Sec. 2f.)

PEERLESS

Applicant claims ownership of Registration No. 60,638.

For Radiators.

Claims use since January 1891.

Ser. No. 583,647. Eureka Williams Corporation, Bloomington, Ill. Filed Aug. 18, 1949. (Sec. 2f.)

WILLIAMS

Applicant claims ownership of Registrations Nos. 199,644, 222,211, and 345,661.

For Heating and Air Conditioning Apparatus—Namely, Oil Burners, Water Heaters, Furnaces and Furnace Burner Units, Boilers and Boiler Burner Units, and Parts Thereof, and Air Conditioning Apparatus—Namely, Heating, Cooling, Dehumidifying, and Humidifying Units for Air Conditioning Apparatus, and Parts Thereof.

Claims use since 1920.

Ser. No. 393,110. Comfort Products Corp., Dallas, Tex. Filed Feb. 27, 1950.

HOLIDAY

For Evaporative Coolers for Comfort Conditioning in Which Air Is Circulated Through Moistened Filter Mats.
Claims use since Nov. 14, 1949.

Ser. No. 393,146. Super Mold Corporation of California, Lodi, Calif. Filed Feb. 27, 1950. (Sec. 2f.)

LODI

For Steam Generators, and Steam Cleaners Which Comprise Steam Generators Coupled to Hoses Fitted With Nozzles—With Necessary Controls—for the Purpose of Directing Jets of Steam Onto Objects To Be Cleaned.
Claims use since Feb. 1, 1942.

Ser. No. 616,912. Knapp Mills Incorporated, Long Island City, N. Y. Filed July 25, 1951.

CUPRALUM

For Heating and Cooling Coils.
Claims use since March 1951.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 588,967. Red Devil Patch Company, Sunshine, La. Filed Dec. 7, 1949.

Red Devil

For Non-Metallic Vulcanizing Patches for Repairing Tires and Other Rubber Goods.
Claims use since 1933.

Ser. No. 606,620. Manufacture de Caoutchouc Michelin, Clermont-Ferrand (Puy-de-Dôme), France. Filed Nov. 18, 1950.

X

Applicant claims ownership of French Registration No. 3,155, dated July 31, 1950.
For Pneumatic Tires and Inner Tubes for Vehicles.

CLASS 39

CLOTHING

Ser. No. 542,339. O'Donnell Shoe Corporation, Humboldt, Tenn. Filed Nov. 25, 1947. (Sec. 2f.)

PROPR-TRED

Applicant claims ownership of Registration No. 338,638.
For Leather Boots and Shoes.
Claims use since October 1931.

Ser. No. 548,231. The Belk Brothers Company, Charlotte, N. C. Filed Jan. 29, 1948.

BRIEFMAGIC

For Ladies' Panties.
Claims use since Sept. 29, 1947.

Ser. No. 560,020. Jean F. V. Hermet, doing business as Hermè, New York, N. Y. Filed June 23, 1948.

Hermè

The trade-mark consists of a facsimile of applicant's business signature "Hermè," which is an abbreviation of applicant's surname "Hermet."
For Fur Coats, Jackets, Capes, Stoles, Cape-Stoles, and Scarfs.
Claims use since May 14, 1947.

Ser. No. 569,271. Robert Hall Clothes, Inc., New York, N. Y., and Wilmington, Del. Filed Nov. 23, 1948.



For Men's and Women's Suits, Topcoats, and Overcoats.
Claims use since Aug. 16, 1948.

Ser. No. 570,372. Herbert Nathan, New York, N. Y. Filed Dec. 15, 1948.

GENUINE HEEKSUEDE

The word "Genuine" is disclaimed.
For Clothing—Namely, Children's Suits, Bonnets, Hats, Leggings, and "Windbreakers"; Women's Hats, "Windbreakers," and Jackets; Men's "Windbreakers" and Jackets.
Claims use since July 10, 1935.

Ser. No. 575,478. Millicent Sportwear Corp., New York, N. Y. Filed Mar. 15, 1949.



The word "Gripit" and the representation of the goods are disclaimed.
For Women's and Girls' Skirts and Slacks.
Claims use since July 1, 1947.

Ser. No. 591,962. The Shirtcraft Company, Inc., New York, N. Y. Filed Feb. 3, 1950.



The word "Model" is disclaimed.
For Men's and Boys' Negligee, Dress, and Sport Shirts.
Claims use since June 7, 1949.

Ser. No. 592,219. The Owenby Manufacturing Company, Marietta, Ga. Filed Feb. 9, 1950.

Sportie Shortie

For Boys' Underwear.
Claims use since Aug. 31, 1946.

Ser. No. 593,552. Phillips-Jones Corporation, New York, N. Y. Filed Mar. 7, 1950.

WHISTLE WEIGHT

For Men's and Boys' Outer Dress, Sport, and Work Shirts, Collars, Pajamas, and Neckties.
Claims use since Mar. 2, 1949.

Ser. No. 593,556. Phillips-Jones Corporation, New York, N. Y. Filed Mar. 7, 1950. (Sec. 2f.)

LONDON FLEXIBLE

For Men's and Boys' Outer Dress, Sport, and Work Shirts, Collars, Pajamas, and Neckties.
Claims use since Mar. 8, 1928.

Ser. No. 593,681. Phillips-Jones Corporation, New York, N. Y. Filed Mar. 9, 1950.

SNOWMAN

For Men's and Boys' Dress, Sport, and Work Clothing and Parts Thereof—Namely, Outer Dress Shirts, Outer Sport Shirts, Jackets, and Coats, Outer Work Shirts, Sweaters, Hosiery, Collars, Pajamas, and Neckties.
Claims use since Oct. 14, 1949.

Ser. No. 596,092. Harjax Products Corp., New York, N. Y. Filed Apr. 21, 1950.

Slim-You-Ette

For Plastic Suits and Trousers for Men and Women To Be Worn in the Home for Reducing Purposes.
Claims use since Apr. 15, 1950.

Ser. No. 598,367. Jackie Nimble, Inc., Dallas, Tex. Filed May 31, 1950.

Shenanigans

For Women's Skirts and Blouses.
Claims use since Mar. 15, 1950.

Ser. No. 600,561. Harold R. Allen, doing business under the trade name and style "Xserviceman Shoe Company," Brockton, Mass. Filed July 13, 1950.

THE X-SERVICEMAN

For Men's Shoes.
Claims use since Apr. 10, 1950.

Ser. No. 600,978. Roller Derby Associates, Chicago, Ill. Filed July 20, 1950.

ROLLER DERBY

Applicant claims ownership of Registration No. 336,652.
For T-Shirts, Sweat Shirts, Pullovers, Sport Shirts, Tights, Shorts, Caps, Beanies, Berets, Bandanas, Handkerchiefs, Scarves, and Belts.
Claims use since July 15, 1935.

Ser. No. 601,066. The Nolde and Horst Company, Reading, Pa. Filed July 21, 1950. (Sec. 2f as to "Nolde.")

NOLDE FAIRWAY

Applicant claims ownership of Registrations Nos. 304,874, 399,257, and 403,616.
For Women's Hosiery.
Claims use since May 1949 as to the mark shown; and since March 1933 as to the word "Nolde."

Ser. No. 601,070. The Nolde and Horst Company, Reading, Pa. Filed July 21, 1950.

"SOLEEZ"
Soft Spun Combed Cotton

The words "Soft Spun Combed Cotton" are disclaimed.
For Men's Hosiery.
Claims use since April 1950.

Ser. No. 602,092. I. C. Isaacs & Co., Inc., Baltimore, Md. Filed Aug. 11, 1950.

Juste-Jean

The word "Jean" is disclaimed.
For Dungarees and Slacks for Men, Women, and Children.
Claims use since May 26, 1950.

Ser. No. 602,173. M & W Thomas Co., New York, N. Y. Filed Aug. 14, 1950. (Sec. 2f.)

PANAMA

Applicant claims ownership of Registration No. 316,685.
For Neckties and Caps for Men and Boys.
Claims use since Sept. 28, 1937.

Ser. No. 602,865. Sutton Shirt Corp., New York, N. Y. Filed Aug. 28, 1950. (Sec. 2f as to "Sutton.")

Sutton of FLORIDA

The words "Of Florida" are disclaimed. Applicant claims ownership of Registrations Nos. 508,947, 508,980, and 510,045.
For Men's Dress and Sport Shirts Made of Cotton, Rayon, Nylon, Silk, or Wool.
Claims use since June 1950.

Ser. No. 606,879. J. E. Morgan Manufacturing Company, Tamaqua, Pa. Filed Nov. 24, 1950.

Tam-aqua

The portrait shown on the drawing is fanciful.
For Cotton Underwear.
Claims use since November 1947.

Ser. No. 612,762. S. Simpson Limited, London, England. Filed Apr. 17, 1951.

DAKS

Applicant claims ownership of Registration No. 315,624.
For Men's and Women's Trousers and Walking Shorts, Men's and Women's Jackets, Men's Suits, and Women's Skirts.
Claims use since July 1933, and in commerce between Great Britain and the United States since 1935.

Ser. No. 613,011. Liberty Hosiery Mills, Inc., Liberty, N. C. Filed Apr. 23, 1951.

Veil of Beauty

Applicant claims ownership of Registration No. 400,797.
For Women's and Girls' Hosiery and Women's Underwear.
Claims use since Nov. 7, 1941.

Ser. No. 613,368. Robt. K. Gershenow Co., Inc., New York, N. Y. Filed May 1, 1951.

WISK

For House-Dresses.
Claims use since Apr. 17, 1951.

Ser. No. 613,469. Manchester Knitted Fashions, Inc., Manchester, N. H. Filed May 3, 1951.

V-MATES

For Men's, Women's, Children's, and Infants' T-Shirts, Polo Shirts, Sweaters, Knitted Suits, Creepers, and Cardigans.
Claims use since Sept. 29, 1950.

Ser. No. 614,453. Alice Monjar, doing business as Monjar Bridal Salon, Springfield, Ohio. Filed May 28, 1951.

ALISAN

For Pantie Girdle With Garters.
Claims use since Aug. 28, 1950.

Ser. No. 614,469. Stein's Stores Inc., New York, N. Y. Filed May 28, 1951.

STEINCRAFT

Applicant claims ownership of Registrations Nos. 394,706, 508,317, and 528,584.
For Men's and Boys' Suits, Trousers, Coats, Top Coats, and Overcoats.
Claims use since Nov. 13, 1950.

Ser. No. 614,753. Cluett, Peabody & Co., Inc., Troy, N. Y. Filed June 5, 1951.

ARADINE

Applicant claims ownership of Registration No. 378,331.
For Men's and Boys' Outer Shirts, Undershirts, and Under Shorts.
Claims use since May 7, 1946.

Ser. No. 614,767. Foreman & Clark, Los Angeles, Calif. Filed June 5, 1951.

FORELON

For Men's Suits and Slacks, Sport Coats, Lounger Jackets, Women's Suits, Dresses, Short Coats, and Skirts.
Claims use since May 17, 1951.

Ser. No. 615,050. Cluett, Peabody & Co., Inc., Troy, N. Y. Filed June 12, 1951.

ARACLIP

Applicant claims ownership of Registration No. 378,331.
For Men's and Boys' Bow Ties.
Claims use since Nov. 9, 1945.

Ser. No. 615,053. June Campbell Cross, New York, N. Y. Filed June 12, 1951.

June Cross

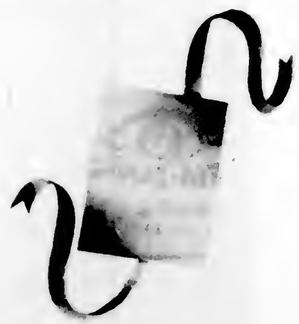
The mark consists of the signature of the applicant.
For Turbans for Women.
Claims use since June 1, 1951.

Ser. No. 615,110. Fairsex Foundations, Inc., New York, N. Y. Filed June 13, 1951.

Strategic Control

The word "Control" is disclaimed.
For Girdles, Foundation Garments, and Brassières.
Claims use since Mar. 15, 1951.

Ser. No. 615,134. Philippine Embroidery Corp., New York, N. Y. Filed June 13, 1951.



For Infant Dresses, Dress Sets, Christening Sets, Infants' Gowns, Diaper Shirts, Gertrudes, Creepers, Bobby Suits, Boys' Dresses, Toddler Dresses, Sun Suits, Bibs.
Claims use since December 1949.

Ser. No. 615,243. Pangborn Corporation, Hagerstown, Md. Filed June 15, 1951. (Sec. 2f.)

Pangborn

For Protective Clothing—Namely, Helmets, Gloves, Aprons, and Leggings.
Claims use since April 1907.

Ser. No. 615,249. Sewell Manufacturing Company, Bremen, Ga. Filed June 15, 1951.

FALWEVE

For Men's Clothing—Namely, Suits, Trousers, Coats, Vests, Topcoats, and Overcoats.
Claims use since Apr. 30, 1951.

Ser. No. 615,250. Shelburne Shirt Co. Inc., New York, N. Y. Filed June 15, 1951.

Leisuroy

For Men's and Boys' Sport Shirts.
Claims use since June 4, 1951.

Ser. No. 615,320. Hart, Schaffner & Marx, Chicago, Ill. Filed June 18, 1951.

VIRACLE

For Men's Suits, Trousers, Vests, Coats, Topcoats, and Overcoats.
Claims use since Apr. 10, 1951.

Ser. No. 615,342. Republic Garment Company, Inc., also doing business as Wood Garment Mfg. Co., Republic, Mo. Filed June 18, 1951.



For Men's, Women's, and Children's Slacks, Trousers, and Jeans.
Claims use since Jan. 19, 1950.

Ser. No. 615,354. Shriro Trading Corporation, New York, N. Y. Filed June 18, 1951.

Nydeal

For Ladies' Hosiery.
Claims use since October 1950.

Ser. No. 615,606. Lawr-Rae Hosiery Mills, Reading, Pa. Filed June 23, 1951.

LAWR-RAE

For Hosiery for Men, Women, and Children.
Claims use since May 25, 1951.

Ser. No. 615,949. Swisstex Company, West New York, N. J. Filed June 30, 1951.

Swisstex

For Foundation Garments—Namely, Girdles.
Claims use since 1934.

Ser. No. 616,321. Kabo, Inc., Chicago, Ill. Filed July 11, 1951.

ZEST

For Brassières.
Claims use since Feb. 10, 1951.

Ser. No. 616,333. Peter Pan Foundations, Inc., New York, N. Y. Filed July 11, 1951.

inner Circle

For Brassières.
Claims use since June 28, 1951.

Ser. No. 616,372. Even-Pul Foundations, Inc., New York, N. Y. Filed July 12, 1951.

Magic-Skin

For Brassières, Girdles, Corselets, and Foundation Garments.
Claims use since Mar. 15, 1951.

Ser. No. 616,656. The Blaine Co., also known as The Blaine Company, Philadelphia, Pa. Filed July 19, 1951.

RING-A-ROUND

For Women's, Misses', and Children's Dresses.
Claims use since Dec. 15, 1950.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 595,985. S. & S. Leather Company, Incorporated, Colchester, Conn. Filed Apr. 19, 1950.

Komfy Kurlers

The word "Kurlers" is disclaimed.
For Non-Electric Hair Curlers.
Claims use since June 1921.

Ser. No. 616,509. Henry Pollak, Inc., New York, N. Y. Filed July 14, 1951.

APOLLO

For Hat Braids.
Claims use since May 2, 1951.

Ser. No. 616,510. Henry Pollak, Inc., New York, N. Y. Filed July 14, 1951.

CROSSPATCH

For Hat Braids.
Claims use since Apr. 24, 1951.

Ser. No. 616,678. Pawtucket Standard Braid, Inc., Pawtucket, R. I. Filed July 19, 1951.

NEON

For Shoe Laces.
Claims use since October 1950.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 604,812. Southeastern Textile Company, Inc., Griffin, Ga. Filed Oct. 12, 1950.

TELA-GLANCE

For Bed Sheets and Sheeting.
Claims use since Feb. 15, 1950.

Ser. No. 608,985. Donbobb Corporation, New York, N. Y. Filed Jan. 19, 1951.

Duotte

For Piece Goods of Silk, Rayon, Cotton, Wool, Nylon, and Fabrics Composed of Mixtures of Such Fibres.
Claims use since Nov. 17, 1950.

Ser. No. 609,448. "Manta" Societe Anonyme, Waasmunster, Belgium. Filed Jan. 31, 1951.

Sole Mio

Applicant claims ownership of Belgian Registration No. 64,546, dated July 10, 1948.
For Woolen Fabrics and Woolen Blankets.

Ser. No. 612,702. Pepperell Manufacturing Company, Boston, Mass. Filed Apr. 16, 1951.

Peggy Pepperell

The name "Peggy Pepperell" is fanciful. Applicant claims ownership of Registrations Nos. 68,576, 98,546, and others.
For Blankets.
Claims use since Nov. 29, 1940.

Ser. No. 618,877. W. A. Ballinger & Co., San Francisco, Calif. Filed Sept. 17, 1951.

Truline

For Sheets and Pillowcases.
Claims use since Aug. 2, 1951.

CLASS 43

THREAD AND YARN

Ser. No. 612,171. James Lees and Sons Company, Bridgeport, Pa. Filed Apr. 3, 1951.

Lady Handicraft

The word "Handicraft" is disclaimed.
For Yarn.
Claims use since Aug. 11, 1950.

Ser. No. 616,604. Clarence Klug, Los Angeles, Calif. Filed July 17, 1951.

PLYGLAS

For Thread and Continuous Filament and Staple Fiber Yarns Containing Glass Fibers.
Claims use since June 20, 1951.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 511,250. Sodeco Societe des Compteurs de Geneve, Geneva, Switzerland. Original filed, act of 1920, Oct. 21, 1946; amended to application under act of 1946, Principal Register, Aug. 25, 1950.

"Autoclic"

Applicant claims ownership of Swiss Registration No. 112,920, dated Oct. 29, 1945.
For Instruments for Dental Surgery—Namely, Handpieces, Centra-Angles, Amalgam Pushers, Injection Syringes, and Alternating Current Driven Vibrating Massaging Devices.

Ser. No. 600,040. Flexaide Co., New York, N. Y. Filed June 30, 1950.

R FLEXAIDE

For Therapeutic Apparatus to Facilitate Exercising the Vertebrae of the Spinal Column.
Claims use since Dec. 12, 1949.

Ser. No. 611,746. Abbott Laboratories, North Chicago, Ill. Filed Mar. 26, 1951.

ABBO-VAC

For Vacuum Bottle Containing a Small Amount of Anticoagulant Solution Employed in Blood Transfusion.
Claims use since Mar. 5, 1951.

Ser. No. 612,837. Surgical Instrument Corporation, New York, N. Y. Filed Apr. 18, 1951.

SICO

For Ring Forceps, Towel Clamps Used as a Special Instrument To Work the Towel During Surgery, and Surgical Scissors.
Claims use since October 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 534,800. Morton Salt Company, Chicago, Ill. Filed Sept. 17, 1947. (Sec. 2f.)

WHEN IT RAINS IT POURS

Applicant claims ownership of Registration No. 103,357.
For Salt.
Claims use since Nov. 6, 1914.

Ser. No. 551,611. The Colorado Milling & Elevator Company, doing business as The Hungarian Flour Mills Co., Denver, Colo. Filed Mar. 10, 1948. CONCURRENT USE with Registration No. 89,587 for the area comprising Mississippi, Alabama and Louisiana.

Charter Oak

The drawing is lined for shading.
For Wheat Flour.
Claims use since May 18, 1883.

Ser. No. 571,994. Preston-Shaffer Milling Co., Walla Walla and Waitsburg, Wash. Filed Jan. 11, 1949.

WHITE CHIFFON

The word "White" is disclaimed.
For Cake Flour.
Claims use since June 1, 1933.

Ser. No. 594,457. Eduard Haas Sen., doing business under the style Nahrmittelfabrik Ed. Haas, Linz, Austria. Filed Mar. 23, 1950.

PEZ

Applicant claims ownership of Austrian Registration No. 539, dated Sept. 10, 1946.
For Sweets—Namely, Flavored Candies, Specifically Peppermint Candies.

Ser. No. 606,024. Mavar Shrimp & Oyster Co., Ltd., Biloxi, Miss. Filed Nov. 7, 1950.

SEAMAID

Applicant claims ownership of Registration No. 335,278.
For Canned Oysters and Canned Shellfish.
Claims use since Aug. 12, 1912.

Ser. No. 606,025. Mavar Shrimp & Oyster Co., Ltd., Biloxi, Miss. Filed Nov. 7, 1950.

SILVERCREST

Applicant claims ownership of Registration No. 326,459.
For Canned Oysters and Canned and Frozen Shellfish.
Claims use since Nov. 16, 1934.

Ser. No. 616,223. Oscar T. Cook, Sr., Kansas City, Mo. Filed July 9, 1951.

VEN-BR'D

For Bread.
Claims use since June 16, 1951.

Ser. No. 616,284. Gem Canning Company, Emmett, Idaho. Filed July 10, 1951.

INDIAN GEM

Applicant claims ownership of Registration No. 543,574.
For Canned Corn and Canned Fruit.
Claims use since July 12, 1948.

Ser. No. 616,358. Bradford Bros., Inc., Placentia, Calif. Filed July 12, 1951.

PALA BRAVE

For Fresh Citrus Fruits.
Claims use since June 1950.

Ser. No. 616,556. The Flaming Pit, Inc., Denver, Colo. Filed July 16, 1951.

The Flaming Pit

For Barbecue Sauces and Salad Dressings.
Claims use since June 1, 1948.

Ser. No. 616,668. Hoben Candy Corp., Ashley, Ill. Filed July 19, 1951.

JANDY

For Candy.
Claims use since May 1, 1951.

Ser. No. 616,732. A. N. Stollwerck, Inc., Camden, N. J. Filed July 20, 1951. (Sec. 2f.)

Stollwerck

Applicant claims ownership of Registrations Nos. 534,825 and 549,494.
For Baking and Cooking Chocolate and Cocoa Butter Sold to the Confectionery, Bakery, and Food Products Trade.
Claims use since 1928.

Ser. No. 616,820. Hollister Canning Company, Hollister, Calif. Filed July 23, 1951. (Sec. 2f.)

SAN BENITO

Applicant claims ownership of Registration No. 354,848.
For Canned Tomatoes, Canned Tomato Puree, and Canned Fruits.
Claims use since 1917.

Ser. No. 617,999. Nestlé's Chocolate Company, Inc., New York, N. Y. Filed Aug. 23, 1951.

NESTLETS

Applicant claims ownership of Registrations Nos. 74,832, 185,601, and others.
For Prepared Edible Chocolate.
Claims use since June 29, 1949.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 599,129. Stuart, Inc., St. Paul, Minn. Filed June 14, 1950.

Teez

For Cologne.
Claims use since August 1937.

Ser. No. 600,939. Aktiebolaget Bofors, Bofors, Sweden. Filed July 20, 1950.

BONOMOLD-O

Priority under Sec. 44(d). Swedish application filed Feb. 8, 1950, Registration No. 67,951, dated Mar. 24, 1950.
For Crystalline Chemical Preparations for Use in Cosmetic Creams to Inhibit Growth of Mold.

Ser. No. 605,818. Vigny, Inc., New York, N. Y. Filed Nov. 2, 1950.

CHAMBORD

For Perfumes.
Claims use since April 1949.

Ser. No. 606,137. Frances Denney, Philadelphia, Pa. Filed Nov. 9, 1950.

Snow Blossom

For Cologne Essence.
Claims use since Sept. 29, 1950.

Ser. No. 607,060. Vigny, Inc., New York, N. Y. Filed Nov. 28, 1950.

Vigny

Applicant claims ownership of Registration No. 504,063.
For Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lipsticks.
Claims use since February 1920.

Ser. No. 607,317. Nicholas D'Amico, doing business as Suzanne Laboratories, Paterson, N. J. Filed Dec. 6, 1950.

CHASTITY by SUZANNE

For Perfume.
Claims use since June 15, 1950.

Ser. No. 607,385. Greater Enterprises Co., Spartanburg, S. C. Filed Dec. 7, 1950.

G.I.

For Toothpaste.
Claims use since Nov. 13, 1950.

Ser. No. 608,945. The Pharma-Craft Corporation, New York, N. Y. Filed Jan. 18, 1951.

obay

Applicant claims ownership of Registration No. 433,233.
For Anti-Perspirant and Deodorant for Personal Use.
Claims use since Sept. 29, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 567,476. Viscosity Oil Company, Chicago, Ill. Filed Oct. 22, 1948.

Sparks

For Hand Cleaner.
Claims use since July 15, 1947.

Ser. No. 573,518. Century Metalcraft Corporation, Los Angeles, Calif. Filed Feb. 7, 1949.

GUARDIAN SERVICE

For General Cleaning Compound Comprising Granular Material and Soap.
Claims use since January 1939.

Ser. No. 586,028. A. L. Wilson Chemical Co., Kearny, N. J. Filed Oct. 8, 1949.

Erad-Ink

The word "Ink" is disclaimed.
For Spotting Compound for the Removal of Writing Inks, Fruit Stains, and the Like.
Claims use since June 13, 1949.

Ser. No. 588,353. John N. McMath Co., doing business as Lloyd Sargent, New Rochelle and New York, N. Y. Filed Aug. 23, 1949.

Popular Girl

For Soap, a Saponaceous Preparation for Making a Foaming Bath, Shampoo, Sold Separately or in Combinations for Baths.
Claims use since December 1937.

Ser. No. 593,014. Joseph Pecora, Buffalo, N. Y. Filed Feb. 24, 1950.

sfx

For Shampoo Preparation for the Care of Hair and Scalp.
Claims use since June 1936.

Ser. No. 593,130. Les Parfums de Dana, Inc., New York, N. Y. Filed Feb. 27, 1950.

COCOROCO

For Toilet Soaps.
Claims use since Jan. 31, 1950.

Ser. No. 594,105. Dearborn Chemical Company, Chicago, Ill. Filed Mar. 17, 1950.

POLYFAX

For Cleaners, Cleaning Compounds and Preparations—Namely, Liquid Cleaner Preparations for Application to Soiled Surfaces To Be Rinsed From Such Surfaces With Water To Clean Such Soiled Surfaces; Liquid Cleaner Preparations for Use in Cleaning Metal Parts by Immersing the Metal Parts in the Cleaner Fluid for a Specified Period and Rinsing With Hot Water After Removal.
Claims use since July 1932.

Ser. No. 594,712. Golden Glint Company, Seattle, Wash. Filed Mar. 27, 1950.

HONEY OIL

The word "Oil" is disclaimed.
For Shampoo.
Claims use since Jan. 4, 1948.

Ser. No. 597,934. Eugène Schueller, Paris (Seine), France. Filed May 11, 1950.

PLATINOSEL

Applicant claims ownership of French Registration No. 378,142, dated June 9, 1947.
For Shampoos.

Ser. No. 603,271. Wm. Wren Limited, Watford, England. Filed Sept. 7, 1950. (Sec. 2f.)

WREN'S

Applicant claims ownership of British Registrations Nos. 631,084 and 625,697; and United States Registrations Nos. 119,013 and 528,246.
For Leather and Saddle Soaps.
Claims use since 1935, and since 1935 in commerce between Great Britain and the United States.

Ser. No. 608,716. The Procter & Gamble Company, Cincinnati, Ohio. Filed Jan. 12, 1951. (Sec. 2f.)

CHIC

Applicant claims ownership of Registration No. 80,999.
For Cleaner, Cleanser and Detergent.
Claims use since Apr. 11, 1897.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 588,028. Hall Laboratories, Incorporated, Pittsburgh, Pa. Filed Nov. 18, 1949. (Sec. 2f.)

HALL SYSTEM

The word "System" is disclaimed.
For Chemical Engineering Services—Namely, Making Surveys and Inspections of Industrial and Public Utility Plants, Particularly in Connection With Treatment, Use, and Disposal of Water for Boiler, Process, and General Industrial Purposes, Analyzing Samples of Waters and Deposits, Evaluating Conditions and Procedures, and Recommending Improved Engineering Practices Based Upon the Foregoing Surveys, Inspections, and Analyses.
Claims use since March 1928.

Ser. No. 618,395. Head's of F Street, Washington, D. C. Filed Sept. 5, 1951. (Sec. 2f.)

Head's

For Hair Cutting, Hair Dressing, Scalp Treatment, and Permanent Waving; and Beauty Treatments—Namely, Facial Massage and Manicuring.
Claims use since Mar. 17, 1936.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 601,254. Caterpillar Tractor Co., Peoria, Ill. Filed July 26, 1950.

Sales Caterpillar Service

The words "Sales" and "Service" are disclaimed. Applicant claims ownership of Registrations Nos. 79,056, 85,748, and others.
For Service, Maintenance and Repair of Internal Combustion Engines, Tractors, Scrapers, Wagons, Motor Graders, Scarifiers, Bulldozers, Rippers, Cable-Control Units, Hydraulic-Control Units, Electric Generators, Diesel Electric Generator Sets, Agricultural Equipment—Namely, Harvesters, Combine Harvesters, Mowers, Push Rakes, Windrow Headers and Windrow Pick-Ups, Threshing Machines, Plows, Tool Bars, and Parts, Tools, Attachments, Accessories and Equipment Associated With All of Said Products; and Installation of Repair Parts for Said Products.
Claims use since 1937.

CLASS 104

COMMUNICATION

Ser. No. 610,027. Radiohio, Incorporated, Columbus, Ohio. Filed Feb. 13, 1951.

EARLYWORM

For Radio and Television Program Broadcasting Service.
Claims use since Aug. 1, 1940.

Ser. No. 622,050. Intercollegiate Broadcasting System, Inc., Schenectady, N. Y., and Washington, D. C. Filed Apr. 16, 1951.



For Radio Program Broadcasting Services.
Claims use since November 1945.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 615,697. Connie B. Gay, Arlington, Va. Filed June 26, 1951.

Town and Country

For Entertainment Services in the Nature of Hillbilly, Western, and Folk Music Presentations Rendered Through the Medium of Radio and Television Broadcast Programs and Through Personal Appearances.
Claims use since Nov. 7, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,656. Men's Shoes of Leather, Leather and Fabrics, and Leather and Rubber. Whitehouse & Hardy, Inc., New York, N. Y.
Filed Apr. 18, 1946, Serial No. 500,504. Published June 13, 1950. Class 39.

444,657. Fabrics in the Piece Composed of Cotton, Silk, Rayon, Linen, Protein Fibers, or Mixtures Thereof. Crompton Company, West Warwick, R. I.
Filed May 2, 1946, Serial No. 501,313. Published Nov. 27, 1951. Class 42.

444,658. Chewing Gum. American Chewing Products Corp., Newark, N. J.
Filed Nov. 15, 1946, Serial No. 512,633. Published June 21, 1949. Class 46.

444,659. Crowbars, Pinch Bars, Wrecking Bars, Hatchets, Roofing Knives, Kitchen Tongs, Razor Blades, Bill Hooks. The Lehon Company, Chicago, Ill.
Filed Apr. 15, 1947, Serial No. 520,734. Published Sept. 18, 1951. Class 23.

ACT OF 1946, PRINCIPAL REGISTER

554,862. Automotive Vehicles and Structural Parts Thereof. Willys-Overland Motors, Inc., Toledo, Ohio.
Original filed, act of 1905, Apr. 23, 1945; amended to application under act of 1946, Principal Register, Feb. 21, 1950, Serial No. 482,513. Published Nov. 27, 1951. Class 19.

554,863. Oil Burners and Parts Therefor for Heating Purposes. Delta Heating Corporation, New York, N. Y.
Original filed, act of 1905, Oct. 16, 1946; amended to application under act of 1946, Principal Register, Sept. 18, 1947, Serial No. 510,940. Published Oct. 25, 1949. Class 34.

554,864. Canned Soups, Soup Bases in Paste Form and Canned Soup Concentrates, Etc. Fearn Laboratories, Inc., Franklin Park, Ill., now by change of name Fearn Foods Inc.
Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Aug. 8, 1947, Serial No. 519,641. Published Dec. 4, 1951. Class 46.

554,865. Garment Ironing Accessory—Namely, a Metal Clamp for Holding and Securing Cover Cloths to Ironing Boards. J. W. Steele & Co., North Kansas City, Mo.
Filed Sept. 2, 1947, Serial No. 533,077. Published Nov. 2, 1951. Class 24.

554,866. Popcorn Which Is Covered With an Edible Oil and Salted. Raytheon Manufacturing Company, Newton, Mass.
Filed Sept. 17, 1947, Serial No. 534,815. Published Nov. 27, 1951. Class 46.

554,867. House Trailers for Automobiles. Palace Corporation, Flint, Mich.
Filed Sept. 27, 1947, Serial No. 535,991. Published Sept. 12, 1950. Class 19.

554,868. WITHDRAWN.

554,869. Cheese Product Consisting Principally of American Cheese Which Is Pasteurized With Other Dairy Products, Ham, and Emulsifier. Phenix Pabst-Ett Company, Chicago, Ill.
Filed Oct. 25, 1947, Serial No. 539,078. Published Nov. 13, 1951. Class 46.

554,870. Fresh Citrus Fruits. Highgrove Fruit Association, Highgrove, Calif.
Filed Nov. 3, 1947, Serial No. 539,954. Published Dec. 4, 1951. Class 46.

554,871. Paper Bags. Union Bag & Paper Corporation, New York, N. Y.
Filed Dec. 5, 1947, Serial No. 543,545. Published Nov. 27, 1951. Class 2.

554,872. Olive Oil. Dennis Polis, doing business as Polly Bros., New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,608. Published Nov. 27, 1951. Class 46.

554,873. Men's Boots and Shoes, and Boot and Shoe Findings—Namely, Heels, Soles, Taps, Heel-Lifts, Boot-Straps, and Welts. Universal Manufacturing Corporation, Chelsea, Mass., assignor to Corman Leather Company, Inc., Chelsea, Mass.
Filed Dec. 17, 1947, Serial No. 544,621. Published Nov. 6, 1951. Class 39.

554,874. Ladies', Misses', and Children's Coats and Suits. Brand and Puritz, Kansas City, Mo.
Filed Dec. 23, 1947, Serial No. 545,226. Published Nov. 6, 1951. Class 39.

554,875. Pajamas for Men, Women, Boys, and Girls. The Star Union Company, New York, N. Y.
Filed Dec. 29, 1947, Serial No. 545,656. Published Nov. 20, 1951. Class 39.

554,876. Lard, Beef Frankfurters, Beans and All Beef Frankfurters, Beef Cube Steaks, Jellied Corned Beef, Corned Beef Hash, Meat Loaf, Pork Loin for Roast, Pork Sausage, Lamb Stew, Spaghetti, Macaroni, Noodles, and Cheese. Hygrade Food Products Corporation, New York, N. Y.
Filed Jan. 30, 1948, Serial No. 548,372. Published Nov. 13, 1951. Class 46.

554,877. Rotary Cultivators. Farm Tools, Inc., Mansfield, Ohio.
Filed Feb. 24, 1948, Serial No. 550,399. Published Sept. 25, 1951. Class 23.

554,878. Candy. Em-Jay Candy Company, doing business under the trade name Goldette Confections, Chicago, Ill.
Filed Feb. 28, 1948, Serial No. 550,797. Published Aug. 1, 1950. Class 46.

554,879. Fresh Grapes. Zaninovich Bros., Inc., Orange Cove, Calif.
Filed Mar. 1, 1948, Serial No. 550,979. Published Dec. 4, 1951. Class 46.

554,880. Stereoscopes and Films Upon Which Photographic Images Have Been Positively Developed. Sawyer's Inc., Portland, Oreg., assignee of Rock Island Bridge and Tru-Vue Corporation, formerly Rock Island Bridge & Iron Works.
Filed Mar. 2, 1948, Serial No. 551,047. Published Nov. 6, 1951. Class 26.

554,881. Sewage and Water Treating Equipment, Etc. Process Engineers, Incorporated, Los Angeles, Calif.
Filed Apr. 16, 1948, Serial No. 554,814. Published Oct. 16, 1951. Class 23.

554,882. Post and Pole Creosoting or Wood Preserving Machines and Post Peeling Machines for Preparing Wood Products. Efurd Machine & Welding Company, Inc., Bossier City, La.
Filed Apr. 19, 1948, Serial No. 554,962. Published Nov. 13, 1951. Class 23.

554,883. Fresh Citrus Fruits. Redlands Cooperative Fruit Association, Redlands, Calif.
Filed Apr. 19, 1948, Serial No. 555,016. Published Nov. 6, 1951. Class 46.

554,884. Starter Mechanism for Outboard Motors. National Pressure Cooker Company, Eau Claire, Wis.
Filed Apr. 26, 1948, Serial No. 555,615. Published Oct. 30, 1951. Class 23.

554,885. Hosiery for Men, Women, and Children. Miles Shoes Incorporated, New York, N. Y.
Filed Apr. 30, 1948, Serial No. 555,949. Published Oct. 16, 1951. Class 39.

554,886. Fresh Deciduous Fruits and Vegetables. Wondercrop, Incorporated, New York, N. Y.
Filed May 28, 1948, Serial No. 558,091. Published Dec. 4, 1951. Class 46.

554,887. Ladies' and Children's Princess Slips, Nightgowns, Pajamas, Bloomers, Step-Ins, Step-In Drawers, and Chemises, and Children's Dresses of a Textile Fabric. I. Schneierson & Sons, Inc., New York, N. Y.
Filed June 10, 1948, Serial No. 558,929. Published Dec. 4, 1951. Class 39.

554,888. Ladies' and Children's Princess Slips, Nightgowns, Pajamas, Bloomers, Step-Ins, Step-In Drawers, Dresses, and Chemises of a Textile Fabric. I. Schneierson & Sons, Inc., New York, N. Y.
Filed June 10, 1948, Serial No. 558,932. Published Dec. 4, 1951. Class 39.

554,889. Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns of a Textile Fabric. I. Schneierson & Sons, Inc., New York, N. Y.
Filed June 10, 1948, Serial No. 558,939. Published Dec. 4, 1951. Class 39.

554,890. Shoes for Infants and Small Children. Joseph H. Everston, Milwaukee, Wis.
Filed July 12, 1948, Serial No. 561,190. Published Nov. 13, 1951. Class 39.

554,891. Cloth Bags Used for Flour, Cereals, Feeds, and Other Purposes. Bemis Bro. Bag Company, St. Louis, Mo.
Filed July 28, 1948, Serial No. 562,306. Published Nov. 27, 1951. Class 2.

554,892. Linen Fabrics in the Piece. Dicksons & Co. (Dungannon) Ltd., Dungannon, Northern Ireland.
Filed Apr. 27, 1948, Serial No. 565,995. Published Nov. 27, 1951. Class 42.

554,893. Canned Vegetables, Canned Fruits, Canned Fish, Coffee, Evaporated Milk, Fruit Jams, Marmalade, Pickles, and Food Flavoring Extracts. William Adam Genant, Syracuse, N. Y.
Filed Oct. 12, 1948, Serial No. 566,873. Published Nov. 6, 1951. Class 46.

554,894. Canned Sardines. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif.
Filed Oct. 15, 1948, Serial No. 567,043. Published Apr. 3, 1951. Class 46.

554,895. Saws of All Kinds. Shapleigh Hardware Company, St. Louis, Mo.
Filed Oct. 30, 1948, Serial No. 567,927. Published Sept. 25, 1951. Class 23.

554,896. Canned Fruits. W. A. Hallauer, doing business as Wapato Packing Company, Wapato, Wash., assignor to Wapato Packing, Inc., Wapato, Wash., a corporation of Washington.
Filed Nov. 2, 1948, Serial No. 568,058. Published Dec. 4, 1951. Class 46.

554,897. Men's Suits, Coats, Vests, Trousers, Topcoats, and Overcoats. Dover Lane Clothes, Inc., New York, N. Y.
Filed Nov. 27, 1948, Serial No. 569,511. Published Nov. 13, 1951. Class 39.

554,898. Trousers, Slacks, Top Coats, Sport Jackets, Sport Coats, Rush Coats, Suits, Outer Shirts for the Use of Men. Belmont Clothes, Inc., Baltimore, Md.
Filed Dec. 17, 1948, Serial No. 570,687. Published Mar. 14, 1950. Class 39.

554,899. Threaded Bushings for Oil Tanks or the Like. Oil Equipment Manufacturing Corporation, New Haven, Conn.
Filed Dec. 17, 1948, Serial No. 570,714. Published Dec. 4, 1951. Class 13.

554,900. Footwear—Namely, Shoes and Boots of Leather or Other Material for Women and Children. Langerman Shoe Co., Brooklyn, N. Y.
Filed Dec. 22, 1948, Serial No. 570,970. Published Oct. 16, 1951. Class 39.

554,901. Fresh Carcass Meats—Namely, Beef, Veal, Pork, Mutton and Lamb, Etc. Armour and Company, also doing business under the name Armour Creameries, Chicago, Ill.
Filed Dec. 29, 1948, Serial No. 571,246. Published Nov. 6, 1951. Class 46.

554,902. Feed for Poultry and Livestock. Universal Mills, Fort Worth, Tex.
Filed Jan. 6, 1949, Serial No. 571,767. Published Dec. 4, 1951. Class 46.

554,903. Needles for Talking Machines and Sound Reproduction Instruments. Gebr. Laubscher & Co. Aktiengesellschaft, Tauffelen, Switzerland.
Filed Jan. 7, 1949, Serial No. 571,812. Published Nov. 27, 1951. Class 36.

554,904. Textile Fabrics Woven of Cotton, Wool, Rayon, Acetate, Nylon, and Other Synthetic Yarns and Mixtures Thereof, Including Linings in the Piece, Outerwear Fabrics, and Suitings, in Various Finishes. Brand & Oppenheimer, Incorporated, New York, N. Y.
Filed Jan. 8, 1949, Serial No. 571,843. Published Nov. 27, 1951. Class 42.

554,905. Paper Bags. The Consolidated Paper Bag Company, Somerville, Mass.
Filed Jan. 13, 1949, Serial No. 572,088. Published Nov. 27, 1951. Class 2.

554,906. Portable Fluid-Tight Sheet Metal Box for Holding and Storing Paint Brushes. The Y & N Manufacturing Company, Inc., Wooster, Ohio.
Filed Jan. 25, 1949, Serial No. 572,788. Published Nov. 27, 1951. Class 2.

554,907. Photosensitive Light Measuring or Indicating Instruments. W. M. Welch Manufacturing Company, Chicago, Ill.
Filed Feb. 5, 1949, Serial No. 573,391. Published Nov. 6, 1951. Class 26.

554,908. Sponge Rubber Soled Men's, Ladies', Misses', Children's, and Infants' Shoes, Sandals, and Slippers. Wellco Shoe Corporation, Waynesville and Hazelwood, N. C.
Filed Feb. 18, 1949, Serial No. 574,124. Published Oct. 30, 1951. Class 39.

554,909. Candies. Farley Manufacturing Company, Skokie, Ill.
Filed Feb. 21, 1949, Serial No. 574,223. Published Oct. 30, 1951. Class 46.

554,910. Shoes for Women Constructed of Leather. Miller-Jones Company, Columbus, Ohio.
Filed Mar. 12, 1949, Serial No. 575,363. Published Nov. 13, 1951. Class 39.

554,911. Transparent Bags. The Denton Corporation, Oakland, Calif.
Filed Mar. 14, 1949, Serial No. 575,394. Published Nov. 27, 1951. Class 2.

554,912. Vehicle Wheels and Truck Caster Wheels of Composition Material. American Brake Shoe Company, New York, N. Y.
Filed Mar. 31, 1949, Serial No. 576,386. Published Nov. 20, 1951. Class 19.

554,913. Slide Transparencies of Stereoscopic Pictures in Natural Color. Sidney Brawer, doing business as Tri-Ads Company, Los Angeles, Calif.
Filed Apr. 7, 1949, Serial No. 576,741. Published Nov. 6, 1951. Class 26.

554,914. Collars for Coats and Overcoats. Miller Pants, Inc., doing business as Miller Manufacturing Company, Amsterdam, N. Y.
Filed Apr. 20, 1949, Serial No. 577,441. Published Dec. 4, 1951. Class 39.

554,915. Bags Made of Plastic Sheet Material for Receiving and Protecting Foods During Storage. The Renwood Food Products, Inc., St. Louis, Mo., assignor to Chase Bag Company, St. Louis, Mo., a corporation of Delaware.
Filed Apr. 20, 1949, Serial No. 577,453. Published Feb. 27, 1951. Class 2.

554,916. Tire Chains. Lloyd Chain Manufacturing Co., Maryville, Mo.
Filed Apr. 25, 1949, Serial No. 577,675. Published Dec. 4, 1951. Class 13.

554,917. Men's and Women's Slippers. Glaser Shoe Company, San Francisco, Calif.
Filed May 13, 1949, Serial No. 578,788. Published Dec. 4, 1951. Class 39.

554,918. Misses', Girls', Boys', and Children's Shoes of Leather, Fabric, or Part Leather and Part Fabric. The A. S. Kreider Co., Lebanon, Pa.
Filed May 17, 1949, Serial No. 578,981. Published Oct. 16, 1951. Class 39.

554,919. Auxiliary Transmission Mechanisms for Motor Vehicles. Cook Bros. Equipment Co., Los Angeles, Calif.
Filed May 21, 1949, Serial No. 579,267. Published Sept. 25, 1951. Class 23.

554,920. Cake Decorator Sets—Namely, Star Tips for Edging Cakes, Writing Tips, Leaf Tips, Forget-Me-Not Tips, and Petal Tips Together With Parchment Paper Bags. The Puryear Sales Co., Clarinda, Iowa.
Filed May 24, 1949, Serial No. 579,453. Published Oct. 9, 1951. Class 23.

554,921. Misses', Girls', Boys', Men's, Women's, and Children's Shoes of Leather, Fabric, or Part Leather and Part Fabric. The A. S. Kreider Co., Lebanon, Pa.
Filed June 4, 1949, Serial No. 579,983. Published Oct. 16, 1951. Class 39.

554,922. Oleomargarine. Osceola Foods, Inc., Osceola, Ark.
Filed June 15, 1949, Serial No. 580,505. Published Dec. 4, 1951. Class 46.

554,923. Ladies' Shoes. Wilbar's, Inc., Boston, Mass.
Filed June 29, 1949, Serial No. 581,304. Published Dec. 4, 1951. Class 39.

554,924. Construction Materials of the Conduit Type Fabricated From Sheet Steel, Etc. United Steel Fabricators, Inc., Wooster, Ohio.
Filed July 2, 1949, Serial No. 581,506. Published Dec. 4, 1951. Class 13.

554,925. Elastic Braids, Tapes, or Bands and Elastic Cotton and Ribbons, All in the Nature of Findings. Snedeker & Co., Inc., New York, N. Y.
Filed July 8, 1949, Serial No. 581,689. Published Sept. 4, 1951. Class 40.

554,926. Ladies' Suits, Cloaks, and Coats. Harry Behr, doing business as Harry Behr Co., New York, N. Y.
Filed July 19, 1949, Serial No. 582,159. Published Oct. 16, 1951. Class 39.

554,927. Men's and Boys' Shoes. H. H. Brown Shoe Co., Inc., Worcester, Mass.
Filed Aug. 4, 1949, Serial No. 582,941. Published Oct. 16, 1951. Class 39.

554,928. Canned Fruits, Canned Deciduous Fruit Juices, Canned Fruit Cocktail, Canned Vegetables, and Canned Vegetable Juices. Filice & Perrelli Canning Company, Incorporated, Richmond, Calif.
Filed Aug. 22, 1949, Serial No. 583,794. Published Nov. 20, 1951. Class 46.

554,929. Bias Binding, Dress Belting, Etc. Eliscu & Company, Inc., New York, N. Y.
Filed Sept. 13, 1949, Serial No. 584,756. Published July 3, 1951. Class 40.

554,930. Non-Power Operated Fire Extinguishers Both Manual and Automatic in Operation in Which Fire Extinguishing Chemicals Are Stored, Etc. Red Comet, Incorporated, Littleton, Colo.
Filed Sept. 28, 1949, Serial No. 585,459. Published Jan. 16, 1951. Class 23.

554,931. Cookies. Southern Biscuit Company, Incorporated, Richmond, Va., assignor to Weston Biscuit Company Inc., a corporation of Delaware.
Filed Sept. 30, 1949, Serial No. 585,608. Published Nov. 13, 1951. Class 46.

554,932. Men's, Women's, Children's, and Infants' Wearing Apparel—Namely, Hosiery, Etc. Union Trading Company Ltd., Basel, Switzerland.
Filed Oct. 15, 1949, Serial No. 586,373. Published Nov. 20, 1951. Class 39.

554,933. Men's, Women's, Children's, and Infants' Wearing Apparel—Namely, Hosiery, Etc. Union Trading Company Ltd., Basel, Switzerland.
Filed Oct. 15, 1949, Serial No. 586,380. Published Nov. 20, 1951. Class 39.

554,934. Rope, Cord, and Twine Manufactured From Vegetable Fibre. American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y., doing business under the firm name and style of St. Louis Cordage Mills, St. Louis, Mo.
Filed Oct. 21, 1949, Serial No. 586,614. Published Dec. 4, 1951. Class 7.

554,935. Enriched Dehydrated Alfalfa Meal. National Alfalfa Dehydrating & Milling Company, Lamar, Colo.
Filed Oct. 21, 1949, Serial No. 586,645. Published Nov. 6, 1951. Class 46.

554,936. Braids, Shoe and Belt Buckles, Buttons, Comb and Hand Mirror Sets, Etc. The Emporium Capwell Company, doing business as The Emporium, San Francisco, Calif.
Filed Oct. 24, 1949, Serial No. 586,744. Published Dec. 4, 1951. Class 40.

554,937. Vacuum, Thermostatic, and Heat-Insulated Vessels—Namely, Bottles, Jars, Decanters, Carafes, Teapots, Jugs, Marmites, Pots, Pitchers, and Flasks. The American Thermos Bottle Company, Norwich, Conn.
Filed Nov. 3, 1949, Serial No. 587,230. Published Nov. 27, 1951. Class 2.

554,938. Fresh Tomatoes, Fresh Citrus Fruits, Fresh Grapes, and Fresh Plums. C. B. Williams, Mercedes, Tex., and Visalia, Calif.
Filed Nov. 7, 1949, Serial No. 587,451. Published Dec. 4, 1951. Class 46.

554,939. Women's Shoes and Slippers of Leather, Rubber, and Fabric, or Combinations Thereof. Gustinettes Incorporated, New York, N. Y.
Filed Nov. 18, 1949, Serial No. 588,026. Published Oct. 10, 1950. Class 39.

554,940. Girls' Low Heeled Leather Shoes. Sommer & Kaufmann, San Francisco, Calif.
Filed Nov. 19, 1949, Serial No. 588,113. Published Dec. 4, 1951. Class 39.

554,941. Men's Leather Shoes. Sommer & Kaufmann, San Francisco, Calif.
Filed Nov. 19, 1949, Serial No. 588,114. Published Dec. 4, 1951. Class 39.

554,942. Ladies' and Misses' Coats, Suits, Jackets, and Outer Skirts. Townecliffe Inc., New York, N. Y.
Filed Nov. 19, 1949, Serial No. 588,117. Published July 11, 1950. Class 39.

554,943. Candies—Namely, Chocolate Coated Roasted Almonds, Etc. Sicardi, Inc., Cincinnati, Ohio.
Filed Dec. 3, 1949, Serial No. 588,774. Published Nov. 6, 1951. Class 46.

554,944. Candies—Namely, Chocolate Coated Roasted Almonds, Etc. Sicardi, Inc., Cincinnati, Ohio.
Filed Dec. 3, 1949, Serial No. 588,775. Published Nov. 6, 1951. Class 46.

554,945. Molded Plastic Housewares—Namely, Tumblers and Covers, Etc. Republic Molding Corporation, Chicago, Ill.
Filed Nov. 1, 1949, Serial No. 588,832. Published May 15, 1951. Class 2.

554,946. Centrifugal Pumps. Goulds Pumps, Inc., Seneca Falls, N. Y.
Filed Dec. 9, 1949, Serial No. 589,084. Published Oct. 9, 1951. Class 23.

554,947. Pianos. Winter & Company, Inc., New York, N. Y.
Filed Dec. 21, 1949, Serial No. 589,754. Published Nov. 27, 1951. Class 36.

554,948. Toilet Sets Comprising Buttonhooks, Clocks, Hair Brushes, Clothes Brushes, Combs, Hair Receivers, Jewel Boxes, Mirrors, Atomizers, Perfume Bottle, Picture Frame, Pin Cushion, Puff Boxes, Cream Jars, Shoehorns, Trays, Manicure Scissors, Buffers, Nail Files and Cuticle Implements, in This or Other Combinations. Shoreham Manufacturing Co., Inc., Winfield, N. Y.
Filed Dec. 28, 1949, Serial No. 590,036. Published Dec. 4, 1951. Class 40.

554,949. Women's Suits. Handmacher-Vogel, Inc., New York, N. Y.
Filed Jan. 24, 1950, Serial No. 591,365. Published Dec. 4, 1951. Class 39.

554,950. Cigarettes. Special Tobacco Co., Inc., Hillside, N. J., and New York, N. Y.
Filed Jan. 27, 1950, Serial No. 591,589. Published Nov. 27, 1951. Class 17.

554,951. Blended Salad Oil Consisting of Olive Oil, Peanut Oil, and Corn Oil. Anthony R. Pinelli, Chicago, Ill.
Filed Jan. 28, 1950, Serial No. 591,637. Published Oct. 23, 1951. Class 46.

554,952. Cameras. Ercona Camera Corporation, New York, N. Y.
Filed Feb. 2, 1950, Serial No. 591,843. Published Nov. 6, 1951. Class 26.

554,953. Cookies. Erna Zink, doing business as Crown's Cookies, Cakes and Candies, Demarest, N. J.
Filed Feb. 16, 1950, Serial No. 592,589. Published Nov. 20, 1951. Class 46.

554,954. Automobile Seat Covers. Daniel C. Larkin, doing business under the assumed name of The Crest Company, Detroit, Mich.
Filed Feb. 18, 1950, Serial No. 592,712. Published Nov. 20, 1951. Class 19.

554,955. Automobile Seat Covers. Daniel C. Larkin, doing business under the assumed name of The Crest Company, Detroit, Mich.
Filed Feb. 18, 1950, Serial No. 592,713. Published Nov. 20, 1951. Class 19.

554,956. Candy. Mary Ball Candy Kitchens, Incorporated, Birmingham, Ala.
Filed Feb. 20, 1950, Serial No. 592,749. Published Dec. 4, 1951. Class 46.

554,957. Crystallized Honey. R. D. Bradshaw & Sons, Wendell, Idaho.
Filed Feb. 20, 1950, Serial No. 592,754. Published Nov. 27, 1951. Class 46.

554,958. Stuffed Macaroni With Sauce. George B. Vrooman, Inc., Philadelphia, Pa.
Filed Feb. 25, 1950, Serial No. 593,095. Published Nov. 6, 1951. Class 46.

554,959. Sport Coats for Men, Women, and Children. Mavest Inc., New York, N. Y.
Filed Mar. 3, 1950, Serial No. 593,360. Published Nov. 13, 1951. Class 39.

554,960. Combined Automatic Samplers and Transferring Devices in the Nature of a Machine for Taking Samples From a Stream of Material To Be Tested. Geary-Jennings, Los Angeles, Calif.
Filed Mar. 17, 1950, Serial No. 594,115. Published Sept. 25, 1951. Class 23.

554,961. Wheat Flour. Commander-Larabee Milling Company, Minneapolis, Minn., now by merger Archer-Daniels-Midland Company, a corporation of Delaware.
Filed Mar. 20, 1950, Serial No. 594,252. Published Nov. 20, 1951. Class 46.

554,962. Bolts. Henry Lindsay Limited, Bradford, England.
Filed Mar. 20, 1950, Serial No. 594,510. Published Dec. 4, 1951. Class 13.

554,963. Knitting Yarn and Thread. Shirley Herman, Montreal, Quebec, Canada.
Priority under Sec. 44(d). Canadian Registration No. N. S. 34,423, filed Feb. 2, 1950.
Filed Apr. 3, 1950, Serial No. 595,138. Published Dec. 4, 1951. Class 43.

554,964. Girdles. I. B. Kleinert Rubber Company, New York, N. Y.
Filed Apr. 4, 1950, Serial No. 595,216. Published Dec. 4, 1951. Class 39.

554,965. Bottled Mushroom Juice Used as a Food Beverage. K-B Products Corp., Catskill, N. Y.
Filed Apr. 5, 1950, Serial No. 595,261. Published Nov. 27, 1951. Class 46.

554,966. Women's, Men's, Young Men's, and Students' Clothing, Consisting of Suits, Overcoats, Leather Jackets, Leisure Coats, and Sport Jackets. Concord Clothes, Inc., New York, N. Y.
Filed Apr. 8, 1950, Serial No. 595,452. Published Dec. 4, 1951. Class 39.

554,967. Women's Hosiery. Van Raalte Company, Inc., New York, N. Y.
Filed Apr. 12, 1950, Serial No. 595,630. Published Apr. 10, 1951. Class 39.

554,968. Shoes for Infants and Children. Pierce Shoe Manufacturing Company, doing business under the name Bambo Shoe Manufacturing Company, Blackshear, Ga.
Filed Apr. 18, 1950, Serial No. 595,911. Published Oct. 16, 1951. Class 39.

554,969. Cheese. Alfred Schratter, doing business under the name of The Schratter Import Co., New York, N. Y.
Filed Apr. 18, 1950, Serial No. 595,917. Published Apr. 3, 1951. Class 46.

554,970. Ladies' and Misses' Coats, Jackets, and Skirts. Philip Shlansky & Sons, Inc., New York, N. Y.
Filed June 14, 1950, Serial No. 599,127. Published Oct. 16, 1951. Class 39.

554,971. Honey. Merritt I. Taylor, Atlee, Va.
Filed June 15, 1950, Serial No. 599,199. Published Nov. 27, 1951. Class 46.

554,972. Men's and Women's Shoes, Made of Rubber or Fabric and/or Any Combinations Thereof Used for Boating and Like Purposes. The Cambridge Rubber Company, Cambridge, Mass., and Taneytown, Md.
Filed June 19, 1950, Serial No. 599,366. Published Dec. 4, 1951. Class 39.

554,973. Hair Goods, Such as Bobby-Pin Openers in the Form of a Disc To Be Worn on the Finger While Setting the Hair. T & S Precision Products, East Detroit, Mich.
Filed June 19, 1950, Serial No. 599,398. Published Dec. 4, 1951. Class 40.

554,974. Canned Lobster and Bonito. Schroeder Bros., Inc., New York, N. Y.
Filed June 21, 1950, Serial No. 599,535. Published Nov. 20, 1951. Class 46.

554,975. Textile Piece Goods of Rayon and Wool. Deering, Milliken & Co., Inc., New York, N. Y.
Filed June 23, 1950, Serial No. 599,618. Published Nov. 27, 1951. Class 42.

554,976. Minnow Buckets. Mit-Shel Company, Quincy, Ill.
Filed June 23, 1950, Serial No. 599,643. Published Dec. 4, 1951. Class 22.

554,977. Cigars. Cortez Cigar Co., Red Lion, Pa.
Filed June 28, 1950, Serial No. 599,862. Published Nov. 27, 1951. Class 17.

554,978. Fabrics Made of Nylon Fibers Sold in the Piece. Traford Fabrics, Inc., New York, N. Y., now by change of name Travis Fabrics, Inc.
Filed June 29, 1950, Serial No. 599,991. Published Nov. 27, 1951. Class 42.

554,979. Macaroni. Vimco Macaroni Products Company, Carnegie, Pa.
Filed July 5, 1950, Serial No. 600,237. Published Nov. 27, 1951. Class 46.

554,980. Bread Mix. Beatrice Foods Co., Chicago, Ill.
Filed July 6, 1950, Serial No. 600,251. Published Oct. 30, 1951. Class 46.

554,981. Animal and Poultry Feeds—Namely, Feed for Cattle, Horses, Sheep, Hogs, Chickens, Ducks, Turkeys, Rabbits, Dogs, and Fur Bearing Animals. Kellogg Company, Battle Creek, Mich.
Filed July 7, 1950, Serial No. 600,341. Published Nov. 20, 1951. Class 46.

554,982. Combs. Foster Grant Co., Inc., Leominster, Mass.
Filed July 20, 1950, Serial No. 600,956. Published Dec. 4, 1951. Class 40.

554,983. Peanut Brittle and Toasted Sugared Peanuts. Sophie Mae Candy Corp., Irvington, N. J.
Filed Apr. 22, 1950, Serial No. 596,203. Published Nov. 20, 1951. Class 46.

554,984. Kitchen Cabinet Hardware—Namely, Doorpulls, Surface Hinges, Drawer Pulls, Concealed Hinges, Doorknobs, Catches, Door Latches, Handles; and Strike Plates, Screws, and Nails Therefor. Akron Hardware Mfg. Corp., Woodside, N. Y.
Filed May 13, 1950, Serial No. 597,373. Published Dec. 4, 1951. Class 13.

554,985. Potatoes in Their Natural State. Paul Bunyan Foods, Inc., Seattle, Wash., Minneapolis, Minn., and Omaha, Nebr.
Filed May 15, 1950, Serial No. 597,431. Published Nov. 20, 1951. Class 46.

554,986. Ladies', Men's, and Children's Ski Suits, Ski Pants, Ski Blouses, and Ski Underwear; Ladies' Dresses and Tailored Suits; Men's Slacks, Jackets, Shooting Jackets; and for Hand Knit Sweaters and Hats and Caps. Marjorie Benedikter Sports-Wear, Inc., Minneapolis, Minn.
Filed May 19, 1950, Serial No. 597,732. Published Nov. 13, 1951. Class 39.

554,987. Brassières and Slips. Delightform Foundations, Inc., Easton, Pa.
Filed May 20, 1950, Serial No. 597,819. Published Mar. 20, 1951. Class 39.

554,988. Aluminum Drinking Tumblers. Norben, Inc., Indianapolis, Ind.
Filed May 22, 1950, Serial No. 597,897. Published Nov. 27, 1951. Class 13.

554,989. Ladies' and Children's Pajamas. Princess Peggy, Inc., Peoria, Ill.
Filed May 22, 1950, Serial No. 597,906. Published Apr. 17, 1951. Class 39.

554,990. Shoes of Leather, or a Combination of Leather, Rubber, or Fabric, for Women and Misses. Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo.
Filed May 24, 1950, Serial No. 598,019. Published Oct. 16, 1951. Class 39.

554,991. Portable Envelope Opening Machines. Wilson Jones Company, Chicago, Ill.
Filed May 26, 1950, Serial No. 598,229. Published Sept. 18, 1951. Class 23.

554,992. Ladies' Fur Lined and Fur Trimmed Coats and Jackets. Major Fashions, Inc., New York, N. Y.
Filed June 2, 1950, Serial No. 598,485. Published Dec. 4, 1951. Class 39.

554,993. Rubber Footwear—Namely, Boots, Shoes, Overshoes, Gaiters, Sandals, Tennis Shoes and Play Shoes Made of Rubber or Fabric or Combinations of Said Materials for the Use of Men, Women, and Children. La Crosse Rubber Mills Company, La Crosse, Wis.
Filed June 8, 1950, Serial No. 598,799. Published Nov. 13, 1951. Class 39.

554,994. Rubber Footwear—Namely, Boots, Shoes, Overshoes, Gaiters, Sandals, Tennis Shoes and Play Shoes Made of Rubber or Fabric or Combinations of Said Materials for the Use of Men, Women, and Children. La Crosse Rubber Mills Company, La Crosse, Wis.
Filed June 8, 1950, Serial No. 598,800. Published Nov. 13, 1951. Class 39.

554,995. Chocolates. H. B. Reese Candy Company, Hershey, Pa.
Filed June 12, 1950, Serial No. 598,949. Published Oct. 16, 1951. Class 46.

554,996. Food Products—Namely, Table Syrup. C. O. Williams, Graceville, Fla.
Filed June 12, 1950, Serial No. 598,973. Published Oct. 30, 1951. Class 46.

554,997. Candy. Imperial Candy Company, Seattle, Wash.
Filed Nov. 13, 1950, Serial No. 598,998. Published Dec. 4, 1951. Class 46.

554,998. Fresh Vegetables and Fresh Deciduous Fruits. Pacific Farm Company, San Jose, Calif.
Filed May 19, 1950, Serial No. 599,051. Published Nov. 20, 1951. Class 46.

554,999. Fresh Melons. L. W. Eddins, Calipatria, Calif.
Filed July 21, 1950, Serial No. 601,030. Published Dec. 4, 1951. Class 46.

555,000. Sprayhead Attachments in the Nature of Nozzles for Use With Portable Electrically-Operated Vacuum Air Blowers and Sprayers. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed July 21, 1950, Serial No. 601,046. Published Dec. 4, 1951. Class 13.

555,001. Canned Fruits and Canned Vegetables. Red Lodge Canning Company, Red Lodge, Mont.
Filed July 29, 1950, Serial No. 601,466. Published Nov. 20, 1951. Class 46.

555,002. Candies, Specifically Lump Candy at the End of a Stick. School House Candy Co., Providence, R. I.
Filed July 29, 1950, Serial No. 601,469. Published Nov. 13, 1951. Class 46.

555,003. Motor-Driven Bicycles and Parts Thereof. Ateliers de la Motobecane, Pantin, Seine, France.
Filed Aug. 3, 1950, Serial No. 601,658. Published Nov. 20, 1951. Class 19.

555,004. Cakes and Pies. M. Portch, doing business as Sally Lynn Kitchen, Washington, D. C.
Filed Aug. 15, 1950, Serial No. 602,216. Published Nov. 6, 1951. Class 46.

555,005. Cakes and Pies. M. Portch, doing business as Sally Lynn Kitchen, Washington, D. C.
Filed Aug. 15, 1950, Serial No. 602,217. Published Nov. 6, 1951. Class 46.

555,006. Vitreous Enameled Metal Shower Bath Cabinets and Combination Top and Back Splashers for Covering Kitchen Equipment and Providing a Working Surface. Vitreous Steel Products Co., Cleveland, Ohio.
Filed Aug. 15, 1950, Serial No. 602,236. Published Nov. 27, 1951. Class 13.

555,007. Chocolate Candies. Lucy Lynne, Inc., Brooklyn, N. Y.
Filed Aug. 21, 1950, Serial No. 602,512. Published Oct. 30, 1951. Class 46.

555,008. Fresh Mushrooms. West Foods, Inc., Salem, Oreg.
Filed Aug. 21, 1950, Serial No. 602,529. Published Dec. 4, 1951. Class 46.

555,009. Misses Petite Dresses. Varden Dress, Inc., New York, N. Y.
Filed Sept. 1, 1950, Serial No. 603,093. Published Dec. 4, 1951. Class 39.

555,010. Compound of Aqueous Mono and Di Glyceryls and Other Esters Used in the Production and Baking of Sponge Cakes. Bak-Kraft Corporation, Ltd., Los Angeles, Calif.
Filed Sept. 11, 1950, Serial No. 603,396. Published Dec. 4, 1951. Class 46.

555,011. Compound of Aqueous Mono and Di Glyceryls and Other Esters Used in the Production and Baking of Cakes Made With Shortening. Bak-Kraft Corporation, Ltd., Los Angeles, Calif.
Filed Sept. 11, 1950, Serial No. 603,398. Published Dec. 4, 1951. Class 46.

555,012. Switching Apparatus for Selecting Any One of a Number of RF Channels as Well as Giving a Correct Picture and Sound Carrier Markers, Etc. Kay Electric Company, Pine Brook, N. J.
Filed Sept. 18, 1950, Serial No. 603,688. Published Nov. 6, 1951. Class 26.

555,013. Leather Work Shoes. Bone Dry Shoe Mfg. Co., Tacoma, Wash.
Filed Sept. 21, 1950, Serial No. 603,833. Published July 31, 1951. Class 39.

555,014. Hand Bags. The Tailored Woman, Inc., New York, N. Y.
Filed Sept. 29, 1950, Serial No. 604,237. Published Nov. 6, 1951. Class 3.

555,015. Child's Tricycle. Carl W. O'Neil, Chicago, Ill.
Filed Oct. 10, 1950, Serial No. 604,702. Published Nov. 27, 1951. Class 22.

555,016. Canned Food Products—Namely, Cut Green Beans, Cut Wax Beans, Etc. H. C. Bohack Co. Inc., Brooklyn, N. Y.
Filed Oct. 14, 1950, Serial No. 604,899. Published Nov. 27, 1951. Class 46.

555,017. Preassembled Nuts and Washers. Illinois Tool Works, Chicago, Ill.
Filed Oct. 25, 1950, Serial No. 605,420. Published Nov. 27, 1951. Class 13.

555,018. Artificial Fish Lures. John Fujita, Watsonville, Calif.
Filed Oct. 31, 1950, Serial No. 605,653. Published Nov. 27, 1951. Class 22.

555,019. Ice Cream and Sherbets. The Sedutto Company, New York and Staten Island, N. Y.
Filed Oct. 31, 1950, Serial No. 605,687. Published Dec. 4, 1951. Class 46.

555,020. Liners for Insertion Between Vehicle Spring Leaves. Spring Perch Co., Inc., Lackawanna, N. Y.
Filed Oct. 31, 1950, Serial No. 605,690. Published Nov. 20, 1951. Class 19.

555,021. Internal Combustion Engines. Hudson Motor Car Company, Detroit, Mich.
Filed Nov. 8, 1950, Serial No. 606,077. Published Sept. 25, 1951. Class 23.

555,022. Wire Rope. A. Leschen & Sons Rope Company, St. Louis, Mo.
Filed Nov. 9, 1950, Serial No. 606,153. Published Dec. 4, 1951. Class 7.

555,023. Ladies' Shoes. Factory Outlet Shoe Store, Inc., San Antonio, Tex.
Filed Nov. 13, 1950, Serial No. 606,285. Published Nov. 6, 1951. Class 39.

555,024. Shoes and Slippers for Women. The Juvenile Shoe Corporation of America, Aurora, Mo.
Filed Nov. 13, 1950, Serial No. 606,302. Published Dec. 4, 1951. Class 39.

555,025. Ladies' Knitted Suits and Sweaters. Lass O'Scotland, Ltd., New York, N. Y.
Filed Nov. 13, 1950, Serial No. 606,305. Published Dec. 4, 1951. Class 39.

555,026. Pocket Knives. Kroll Trading Co., New York, N. Y.
Filed Nov. 16, 1950, Serial No. 606,476. Published Sept. 25, 1951. Class 23.

555,027. Ladies' Dresses, Blouses, and Skirts. Michael Barrie, Inc., New York, N. Y.
Original filed, act of 1946, Supplemental Register, Nov. 21, 1950; amended to application, Principal Register, Sept. 12, 1951, Serial No. 606,692. Published Dec. 4, 1951. Class 39.

555,028. Infants' and Children's Shoes. Kessler Shoe Manufacturing Company, Inc., Westminster, Md.
Filed Nov. 22, 1950, Serial No. 606,783. Published Nov. 13, 1951. Class 39.

555,029. Children's Blouses. Glenwear, Inc., New York, N. Y.
Filed Nov. 28, 1950, Serial No. 607,015. Published Nov. 6, 1951. Class 39.

555,030. Knitted Gloves and Mittens. A. C. Ackerman, Ballston Spa, N. Y.
Filed Dec. 1, 1950, Serial No. 607,152. Published Nov. 6, 1951. Class 39.

555,031. Soles, for Shoes, and Shoes Made of Leather, Rubber, Fabric and/or Any Combinations Thereof, for Men and Boys. The Cambridge Rubber Company, Cambridge, Mass., and Taneytown, Md.
Filed Dec. 1, 1950, Serial No. 607,160. Published Oct. 23, 1951. Class 39.

555,032. Women's and Children's Shoes of Leather, Rubber, Fabric, Plastics, and Combinations Thereof. Broitman-Gallin Shoes, Inc., New York, N. Y.
Filed Dec. 12, 1950, Serial No. 607,574. Published Nov. 13, 1951. Class 39.

555,033. Men's, Women's, and Children's Shoes and Boots. Shoe Corporation of America, Columbus, Ohio.
Filed Jan. 19, 1951, Serial No. 609,006. Published Dec. 4, 1951. Class 39.

555,034. The Following Frozen Foods—Cauliflower, Broccoli, Asparagus Tips and Cuts, and Chopped Spinach. River Valley Co., Inc., Syracuse, N. Y.
Filed Jan. 23, 1951, Serial No. 609,142. Published Nov. 27, 1951. Class 46.

555,035. Coffee Concentrate in Liquid Form. Robert L. Gulick, Jr., doing business under the name California Favorite Foods, Berkeley, Calif.
Filed Feb. 3, 1951, Serial No. 609,593. Published Nov. 27, 1951. Class 46.

555,036. Ladies' and Misses' Shoes Made of Leather, Fabric, Rubber, and/or Any Combination Thereof. Cannon Shoe Company, Baltimore, Md.
Filed Feb. 5, 1951, Serial No. 609,629. Published Nov. 13, 1951. Class 39.

555,037. Canned Dog Food. Evans Industries, Inc., Marion, Ind.
Filed Feb. 7, 1951, Serial No. 609,715. Published Nov. 13, 1951. Class 46.

555,038. Slips for Girls. Her Majesty Underwear Company, Leola, Pa., and New York, N. Y.
Filed Feb. 12, 1951, Serial No. 609,975. Published Dec. 4, 1951. Class 39.

555,039. Canned Soups. The Lawfield Packing Company, Bridgeport, Conn.
Filed Feb. 13, 1951, Serial No. 610,016. Published Nov. 27, 1951. Class 46.

555,040. Molded Paper Pulp Cups. American Lace Paper Company, Milwaukee, Wis.
Filed Feb. 16, 1951, Serial No. 610,158. Published Nov. 27, 1951. Class 2.

555,041. Plastic Dishes. National Organ Supply Company, Erie, Pa.
Filed Feb. 16, 1951, Serial No. 610,183. Published Nov. 27, 1951. Class 2.

555,042. Clothing for Infants, Boys and Girls—Namely, Jackets, Skirts, Pants, Overalls, and Crawler Sets. Pied Piper of Dallas, Dallas, Tex.
Filed Feb. 23, 1951, Serial No. 610,458. Published Nov. 13, 1951. Class 39.

555,043. Infants' and Children's Hosiery. Ideal Hosiery Mills, Philadelphia, Pa.
Filed Feb. 27, 1951, Serial No. 610,561. Published Nov. 13, 1951. Class 39.

555,044. Jam-Type Mounting Hardware for Garage Doors, Door Tracks, Door Track Brackets, Door Hinges, and Door Pulls, All Fabricated of Metal. Roscoe Fowler, doing business under the name and style of Sturdee Steel Products Company, Los Angeles, Calif.
Filed Mar. 1, 1951, Serial No. 610,677. Published Dec. 4, 1951. Class 13.

555,045. Ladies' Coats and Suits. Bass, Levine & Bass, Inc., New York, N. Y.
Filed Mar. 2, 1951, Serial No. 610,731. Published Dec. 4, 1951. Class 39.

555,046. Misses' Dresses, Coats, Suits, Slacks, and Undergarments—Namely, Slips, Panties, and Nightgowns. Herbert Miller, Inc., New York, N. Y.
Filed Mar. 2, 1951, Serial No. 610,754. Published Nov. 20, 1951. Class 39.

555,047. Brassières. Hollywood-Maxwell Company, Los Angeles, Calif.
Filed Mar. 6, 1951, Serial No. 610,904. Published Dec. 4, 1951. Class 39.

555,048. Women's, Misses', Boys', Youths', and Men's Raincoats, Topcoats, and Overcoats. S. Weitz & Co., Inc., Cleveland Ohio.
Filed Mar. 6, 1951, Serial No. 610,938. Published Nov. 20, 1951. Class 39.

555,049. Women's, Misses', Boys', Youths', and Men's Raincoats, Topcoats, and Overcoats. S. Weitz & Co., Inc., Cleveland, Ohio.
Filed Mar. 6, 1951, Serial No. 610,939. Published Nov. 20, 1951. Class 39.

555,050. Tobacco Flavoring Ingredient, in Liquid Form. Nathan Fleischner, doing business as Breathol Co., Nutley, N. J.
Filed Mar. 7, 1951, Serial No. 610,959. Published Nov. 27, 1951. Class 17.

555,051. Butter, Oleomargarine, Cheese, and Ice Cream. Turn-Over Foods, Inc., Evanston, Ill.
Filed Mar. 9, 1951, Serial No. 611,113. Published Oct. 30, 1951. Class 46.

555,052. Cigars. The Federal Cigar Company, Inc., Red Lion, Pa.
Filed Mar. 15, 1951, Serial No. 611,348. Published Nov. 27, 1951. Class 17.

555,053. Cheeses. Absalon Brands, Inc., New York, N. Y.
Filed Mar. 17, 1951, Serial No. 611,464. Published Oct. 30, 1951. Class 46.

555,054. Plug Valves, Pressure Regulating Valves, Flow Controlling Valves, Etc. Rockwell Manufacturing Company, Pittsburgh, Pa.
Filed Mar. 19, 1951, Serial No. 611,537. Published Nov. 27, 1951. Class 13.

555,055. Toy Building Blocks. Invention Sales Company, Lovelock, Nev., and Chicago, Ill.
Filed Dec. 12, 1950, Serial No. 607,592. Published Nov. 27, 1951. Class 22.

555,056. Men's, Women's, and Children's Boots. Acme Boot Mfg. Co., Inc., Clarksville, Tenn.
Filed Dec. 14, 1950, Serial No. 607,653. Published Nov. 13, 1951. Class 39.

555,057. Fresh Fruit and Vegetables—Namely, Peaches, Cantaloupes, Etc. Half Moon Fruit & Produce Co., San Francisco, Calif.
Filed Dec. 26, 1950, Serial No. 608,066. Published Nov. 27, 1951. Class 46.

555,058. Sandals for Men, Women, and Children. Bernardo Sandals, Inc., New York, N. Y.
Filed Dec. 27, 1950, Serial No. 608,127. Published Dec. 4, 1951. Class 39.

555,059. Women's Shoes Made of Leather, Rubber, Fabric, and/or a Combination of These Materials. Lucky Stride Shoes, Inc., Maysville, Ky.
Filed Dec. 30, 1950, Serial No. 608,254. Published Nov. 13, 1951. Class 39.

555,060. Women's, Misses', and Children's Outerwear Garments—Namely, Shorts, Pedal Pushers, and Slacks Made of Cotton, Wool, Rayon, and Mixtures Thereof. Rice-Stix, Inc., St. Louis, Mo.
Filed Jan. 2, 1951, Serial No. 608,287. Published Dec. 4, 1951. Class 39.

555,061. Ladies' Coats. Petite Miss Co., New York, N. Y.
Filed Jan. 5, 1951, Serial No. 608,435. Published Dec. 4, 1951. Class 39.

555,062. Women's and Misses' Shoes of Leather, Rubber, Fabric, or Combinations Thereof. Daytimer Shoe Company, Worcester, Mass.
Filed Jan. 6, 1951, Serial No. 608,450. Published Nov. 13, 1951. Class 39.

555,063. Finished Camshafts and Crankshafts. Morco, Inc., Cleveland, Ohio.
Filed Jan. 6, 1951, Serial No. 608,463. Published Oct. 30, 1951. Class 23.

555,064. Cigarettes. Phillip Morris & Co. Ltd., Incorporated, New York, N. Y.
Filed Jan. 6, 1951, Serial No. 608,465. Published Nov. 27, 1951. Class 17.

555,065. Bone Meal for Cattle Food. Duche & Knight Limited, London, England.
Filed Jan. 10, 1951, Serial No. 608,593. Published Nov. 27, 1951. Class 46.

555,066. Ladies' and Misses' Coats. Morris Metzger & Sons, Inc., New York, N. Y.
Filed Jan. 12, 1951, Serial No. 608,711. Published Dec. 4, 1951. Class 39.

555,067. Women's Shoes Made of Leather. The Florsheim Shoe Company, Chicago, Ill.
Filed Jan. 15, 1951, Serial No. 608,792. Published Nov. 27, 1951. Class 39.

555,068. Women's and Misses' Skirts. Supreme Knitwear Co., St. Louis, Mo.
Filed Jan. 15, 1951, Serial No. 608,801. Published Dec. 4, 1951. Class 39.

555,069. Stabilizer Composed of Vegetable Cellulose Gum, Carageen, Karaya Gum, Locust Bean Gum, and Dextrose for Use in the Manufacture of Ice Cream, Ice Milk, and Related Products. Malt-A-Plenty, Inc., Tulsa, Okla.
Filed Jan. 16, 1951, Serial No. 608,824. Published Nov. 27, 1951. Class 46.

555,070. Storage Tanks. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio.
Filed Jan. 17, 1951, Serial No. 608,857. Published Nov. 27, 1951. Class 2.

555,071. Shoes Made of Leather, Fabric, Rubber, or Combinations of Said Materials for the Use of Women and Children. Northeast Shoe Co., Inc., Pittsfield, Maine.
Filed Jan. 17, 1951, Serial No. 608,891. Published Dec. 4, 1951. Class 39.

555,072. Rubber-Soled Canvas Shoes for Men and Boys, Women and Girls. Converse Rubber Corporation, Malden, Mass.
Filed Jan. 18, 1951, Serial No. 608,922. Published Nov. 13, 1951. Class 39.

555,073. Fresh Onions and Canned Fruit Nectars and Canned Fish. Connell Bros. Company Limited, San Francisco, Calif.
Filed Jan. 19, 1951, Serial No. 608,983. Published Nov. 20, 1951. Class 46.

555,074. Canned Vegetables, Canned Soups, Canned Spaghetti, Canned Pork and Beans, Canned Corned Beef Hash, Canned Beef Stew, Canned Beef and Gravy, Canned Beans With Sliced Frankfurters, and Canned Spaghetti and Meat Balls. Phillips Packing Company, Inc., Cambridge, Md.
Filed Mar. 21, 1951, Serial No. 611,616. Published Nov. 6, 1951. Class 46.

555,075. Women's and Misses' Shoes. The Walker T. Dickerson Company, Columbus, Ohio.
Filed Mar. 23, 1951, Serial No. 611,693. Published Dec. 4, 1951. Class 39.

555,076. Boys' Shoes. Craddock-Terry Shoe Corporation, Lynchburg, Va.
Filed Mar. 26, 1951, Serial No. 611,766. Published Dec. 4, 1951. Class 39.

555,077. Men's Shoes. Craddock-Terry Shoe Corporation, Lynchburg, Va.
Filed Mar. 26, 1951, Serial No. 611,767. Published Dec. 4, 1951. Class 39.

555,078. Canned Fish. Columbia River Packers Association, Inc., Astoria, Oreg.
Filed Mar. 27, 1951, Serial No. 611,829. Published Nov. 13, 1951. Class 46.

555,079. Canned Vegetables. Lawtons Canning Co., Inc., Lawtons, N. Y.
Filed Mar. 28, 1951, Serial No. 611,905. Published Nov. 6, 1951. Class 46.

555,080. Canned and Frozen Fruits and Vegetables—Namely, Rhubarb, Strawberries, Grapes, Raspberries, Green Beans, Wax Beans, and Tomatoes. Lawtons Canning Co., Inc., Lawtons, N. Y.
Filed Mar. 28, 1951, Serial No. 611,906. Published Nov. 6, 1951. Class 46.

555,081. Motor Road Vehicles and Structural Parts Thereof. Wilks, Mackie & Company Ltd., Birmingham and Dorridge, Birmingham, England.
Filed Mar. 30, 1951, Serial No. 612,050. Published Nov. 20, 1951. Class 19.

555,082. Endless Belt Conveyors and Gear Speed Reducers. Hydro-Controls Company, West Allis, Wis.
Filed Mar. 31, 1951, Serial No. 612,076. Published Nov. 13, 1951. Class 23.

555,083. Ladies' Slips, Nightgowns, Pajamas, Brassières, Panties, and Girdles. T. S. Undergarment Corp., New York, N. Y.
Filed Apr. 5, 1951, Serial No. 612,279. Published Dec. 4, 1951. Class 39.

555,084. Girdles, Corsets, Foundation Garments. Tranzform, Inc., Hoboken, N. J.
Filed Apr. 6, 1951, Serial No. 612,363. Published Dec. 4, 1951. Class 39.

555,085. Yarns of Synthetic Fibers. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Apr. 10, 1951, Serial No. 612,450. Published Dec. 4, 1951. Class 43.

555,086. Empty Bags Made of Glassine, Vegetable Parchment, Cellulose Film, Waxed Paper, and Metal Foil. Joe Lowe Corporation, New York, N. Y.
Filed Apr. 14, 1951, Serial No. 612,660. Published Dec. 4, 1951. Class 2.

555,087. Fresh Vegetables. Kodama Bros., Imperial, Calif.
Filed Apr. 20, 1951, Serial No. 612,922. Published Nov. 20, 1951. Class 46.

555,088. Bathroom Accessories Made of China and Chrome Metal Comprising Toothbrush Holders, Towel Racks, Soap Holders, and Toilet Paper Holders. Stylon Corporation, Boston, Mass.
Filed May 10, 1951, Serial No. 613,742. Published Dec. 4, 1951. Class 13.

555,089. Cement Lined Cast Iron Pipe. Lone Star Steel Company, Dallas, Tex.
Filed May 16, 1951, Serial No. 613,926. Published Nov. 27, 1951. Class 13.

555,090. Builders' Hardware Consisting of Hinges and Hinge Pins, Hinge Hasps, Safety Hasps, Corrugated Brackets, Flat-Round and Oval Head Steel Wood Screws, and Flat-Round and Oval Head Brass Wood Screws. General Steel Warehouse Co., Inc., Chicago, Ill.
Filed May 17, 1951, Serial No. 613,986. Published Nov. 27, 1951. Class 13.

555,091. Platform and Farm Scales. Sears, Roebuck and Co., Chicago, Ill.
Filed May 19, 1951, Serial No. 614,107. Published Oct. 30, 1951. Class 26.

555,092. Cameras. The Bennett Corporation, San Francisco, Calif.
Filed May 23, 1951, Serial No. 614,185. Published Dec. 4, 1951. Class 26.

555,093. Tools—Namely, Brake Gauges, Feeler Gauges, Ignition Gauges, and Thickness Gauges. The Plomb Tool Company, Los Angeles, Calif.
Filed May 21, 1951, Serial No. 614,160. Published Oct. 30, 1951. Class 26.

555,094. Pipe Coupling. Rain Control Irrigation Company, Los Angeles, Calif.
Filed May 21, 1951, Serial No. 614,163. Published Nov. 27, 1951. Class 13.

555,095. Salad Oil. Mrs. Tucker's Foods, Inc., Grayson, Tex.
Filed May 22, 1951, Serial No. 614,225. Published Dec. 4, 1951. Class 46.

555,096. Motion Picture Films, Sound Films, Combined Sound and Motion Picture Films, and Motion Picture Films for Use in Connection With Synchronized Apparatus for Simultaneously Reproducing Coordinated Light and Sound Effect. Time, Incorporated, New York, N. Y.
Filed May 29, 1951, Serial No. 614,523. Published Oct. 30, 1951. Class 26.

555,097. Sheets and Pillow Cases. Dan River Mills, Incorporated, Danville, Va.
Filed June 5, 1951, Serial No. 614,756. Published Nov. 27, 1951. Class 42.

555,098. Drapery and Upholstery Fabrics Made of Viscous Spun Rayon, Acetate Spun Rayon, and Cotton. Titus Blatter & Co., New York, N. Y.
Filed June 9, 1951, Serial No. 614,999. Published Nov. 27, 1951. Class 42.

555,099. Rayon Piece Goods. Pacific Mills, Boston, Mass., and New York, N. Y.
Filed June 12, 1951, Serial No. 615,079. Published Nov. 27, 1951. Class 42.

555,100. Woven Elastic Fabrics in the Piece. Rayflex Fabrics, Inc., New York, N. Y.
Filed June 12, 1951, Serial No. 615,082. Published Nov. 27, 1951. Class 42.

555,101. Linens—Namely, Sheets, Pillow Cases, Towels. Léron, Inc., New York, N. Y.
Filed June 13, 1951, Serial No. 615,125. Published Nov. 27, 1951. Class 42.

555,102. Linens—Namely, Sheets, Pillow Cases, and Towels. Léron, Inc., New York, N. Y.
Filed June 13, 1951, Serial No. 615,126. Published Nov. 27, 1951. Class 42.

555,103. Cameras. Ercona Camera Corporation, New York, N. Y.
Filed June 20, 1951, Serial No. 615,445. Published Nov. 6, 1951. Class 26.

555,104. Photographic Lenses. Ercona Camera Corporation, New York, N. Y.
Filed June 20, 1951, Serial No. 615,446. Published Nov. 6, 1951. Class 26.

555,105. Frozen Concentrated Juices of Citrus Fruits. Minute Maid Corporation, New York, N. Y.
Filed June 6, 1951, Serial No. 615,870. Published Nov. 13, 1951. Class 46.

555,106. Paper Dress Patterns. The Conde Nast Publications, Inc., New York, N. Y.
Filed July 2, 1951, Serial No. 615,972. Published Nov. 6, 1951. Class 26.

555,107. Wines. California Wine Association, San Francisco, Calif.
Filed July 19, 1951, Serial No. 616,149. Published Dec. 4, 1951. Class 47.

555,108. Playing Cards. The United States Playing Card Company, Cincinnati, Ohio.
Filed July 11, 1951, Serial No. 616,345. Published Nov. 27, 1951. Class 22.

555,109. Playing Cards. The United States Playing Card Company, Cincinnati, Ohio.
Filed July 11, 1951, Serial No. 616,346. Published Nov. 27, 1951. Class 22.

555,110. Playing Cards. The United States Playing Card Company, Cincinnati, Ohio.
Filed July 11, 1951, Serial No. 616,347. Published Nov. 27, 1951. Class 22.

555,111. Playing Cards. The United States Playing Card Company, Cincinnati, Ohio.
Filed July 11, 1951, Serial No. 616,348. Published Nov. 27, 1951. Class 22.

555,112. Game Played With Playing Cards. Romayne E. Huffman, Carroll, Iowa.
Filed July 19, 1951, Serial No. 616,670. Published Nov. 27, 1951. Class 22.

555,113. Computing Machines. Clary Multiplier Corporation, San Gabriel, Calif.
Filed July 23, 1951, Serial No. 616,817. Published Nov. 6, 1951. Class 26.

555,114. Toy Hair Washing and Waving Kits for Children. Eugene L. Ach, Cincinnati, Ohio.
Filed Aug. 11, 1951, Serial No. 617,574. Published Dec. 4, 1951. Class 22.

555,115. Playing Cards. The United States Playing Card Company, Cincinnati, Ohio.
Filed Aug. 16, 1951, Serial No. 617,777. Published Dec. 4, 1951. Class 22.

555,116. Playing Cards. The United States Playing Card Company, Cincinnati, Ohio.
Filed Aug. 16, 1951, Serial No. 617,778. Published Dec. 4, 1951. Class 22.

555,117. Minnow Buckets. Shakespeare Company, Kalamazoo, Mich.
Filed Aug. 27, 1951, Serial No. 618,131. Published Dec. 4, 1951. Class 22.

555,118. Textile and Paper Bags. The Farm Bureau Cooperative Association, Inc., Columbus, Ohio.
Filed June 25, 1951, Serial No. 618,259. Published Dec. 4, 1951. Class 2.

Service Marks

555,119. Airplane Transportation of Passengers, Freight, and Mail. Scandinavian Airlines System, Inc., New York, N. Y.
Original filed, act of 1946, Supplemental Register, Oct. 17, 1947; amended to application, Principal Register, Oct. 3, 1949, Serial No. 538,124. Published Sept. 19, 1950. Class 105.

555,120. Airplane Transportation of Passengers, Freight, and Mail. Scandinavian Airlines System, Inc., New York, N. Y.
Filed Oct. 17, 1947, Serial No. 538,181. Published Sept. 19, 1950. Class 105.

555,121. Entertainment Service in the Nature of Story Telling Rendered Through the Medium of Radio. Edward H. Butler, individually and as trustee under the last will and testament of Edward H. Butler, deceased, doing business as Buffalo Evening News, Buffalo, N. Y., assignor to Buffalo Evening News, Inc., Buffalo, N. Y., a corporation of New York.
Filed Oct. 31, 1947, Serial No. 539,650. Published Dec. 4, 1951. Class 107.

555,122. Transportation of Passengers, Baggage, Express, Mail, and Newspaper Publications by Motor Buses. Continental Bus System, Inc., Dallas, Tex.
Filed Feb. 5, 1948, Serial No. 548,800. Published Dec. 4, 1951. Class 105.

555,123. Transportation of Passengers, Cargo, Mail, Packages and Baggage by Steamships and Motor Vessels. Aktiebolaget Svenska Amerika Linien, doing business as Swedish American Line and Swenska Amerika Linien, Goteborg, Sweden, and New York, N. Y.
Filed Feb. 6, 1948, Serial No. 548,897. Published Feb. 20, 1951. Class 105.

555,124. Motor Truck Transportation of Freight on Schedule. United Truck Lines, Incorporated, Spokane, Wash.
Filed Mar. 12, 1948, Serial No. 551,833. Published Dec. 4, 1951. Class 105.

555,125. Molding of Artificial Cast Teeth and Bridges for Dentists in Gold, Silver, Platinum, Steel, and Porcelain From Molds Supplied by Dentists From Impressions Taken From Patients. Atlantic Dental Laboratory, Brooklyn, N. Y.
Filed Apr. 6, 1948, Serial No. 553,952. Published Nov. 27, 1951. Class 106.

555,126. Services for Male College Students, Directed to the Fostering and Encouragement of Educational Pursuits, Etc. Chi Psi Fraternity, Ann Arbor, Mich.
Filed July 21, 1948, Serial No. 561,804. Published Nov. 20, 1951. Class 101.

555,127. Services Rendered in Connection With Automobiles—Namely, Testing, Charging, and Rental Services for Automobile Batteries. Western Auto Supply Company, doing business as Western Auto Stores, Kansas City, Mo.
Filed July 26, 1948, Serial No. 562,234. Published Nov. 27, 1951. Class 103.

555,128. Brokerage Services in Real Estate Mortgage Loans. George W. Warnecke & Company, Inc., New York and Jamaica, N. Y.
Filed Oct. 1, 1948, Serial No. 566,437. Published Nov. 6, 1951. Class 102.

555,129. Brokerage Services in Real Estate Mortgage Loans. Property Credit Corporation, New York and Jamaica, N. Y.
Filed Oct. 5, 1948, Serial No. 566,471. Published Nov. 6, 1951. Class 102.

555,130. Representing and Acting for Clients as Agents in the United States and in the Countries of Europe for the Purchase and Sale of Machinery, Tools, and Equipment, and in Advising Clients in Connection With the Selection, Layout, Installation, and Operation of Machinery, Tools, and Equipment. Columbia Commerce & Credit Corporation, New York, N. Y.
Filed Jan. 14, 1949, Serial No. 572,165. Published Nov. 27, 1951. Class 100.

555,131. Creating and Developing Designs—Namely, Designs for Glassware, Etc. Anne Orr Studio, Nashville, Tenn.
Filed May 17, 1949, Serial No. 578,950. Published Nov. 27, 1951. Class 100.

555,132. Automobile Travel Information Service—Namely, Mapping Tours, Listing Hotel Accommodations, Describing Points of Interest, Climate, and Other Information Incident to Automobile Travel. Continental Oil Company, Ponca City, Okla.
Filed June 4, 1949, Serial No. 579,968. Published Nov. 27, 1951. Class 105.

555,133. Gathering and Furnishing to Physicians and Retail Druggists Complete Information on Pharmaceutical Products of All Manufacturers. McKesson & Robbins, Incorporated, New York, N. Y.
Filed June 18, 1949, Serial No. 580,734. Published Dec. 4, 1951. Class 100.

555,134. Excavating, Grading and Paving Roads, Building Construction and Repairing Concrete Structures and Buildings, Tunneling, and Installing Conduits and Piping for Utilities. Earth Excavators Incorporated, Tuckahoe, N. Y.
Filed Aug. 5, 1949, Serial No. 583,033. Published Nov. 27, 1951. Class 103.

555,135. Excavating; Grading and Paving Roads; Building Construction and Repairing Concrete Structures and Buildings; Tunneling; and Installing Conduits and Piping for Utilities. Earth Excavators Incorporated, Tuckahoe, N. Y.
Filed Aug. 5, 1949, Serial No. 583,034. Published Dec. 4, 1951. Class 103.

555,136. Lithographic Half-Tone Printing. Kipe Offset Process Company, Inc., New York, N. Y.
Filed Aug. 26, 1949, Serial No. 584,063. Published Dec. 4, 1951. Class 101.

555,137. Training in Leadership, in Public Speaking, and in Criticism Thereof. Toastmasters International, Santa Ana, Calif.
Filed Nov. 23, 1949, Serial No. 588,237. Published Dec. 4, 1951. Class 107.

555,138. Erection and Razing of Steel Structures. United States Steel Corporation, New York, N. Y.
Filed Nov. 23, 1949, Serial No. 588,249. Published Nov. 6, 1951. Class 103.

555,139. Promotion of the Development and Industrial Growth of the Area Comprising the States of Arkansas, Louisiana, and Mississippi. The Middle South, New Orleans, La.
Filed Mar. 10, 1950, Serial No. 593,849. Published Dec. 4, 1951. Class 100.

555,140. Underwriting of Fire Insurance; Miscellaneous Property Insurance; Water Damage Insurance; Collision Insurance; Etc. Atlas Assurance Company Limited, New York, N. Y.
Filed Mar. 1, 1950, Serial No. 595,635. Published Dec. 4, 1951. Class 102.

555,141. Travel Agency Services—Namely, Making Arrangements for Transportation, Accommodations, Transfers, and Sight-Seeing in Connection With Travel and Tours, and Wholesaling of Tours to Other Travel Agents and Bureaus. Roy R. Male, doing business as Skyway Cruises, New York, N. Y.
Filed May 4, 1950, Serial No. 596,857. Published Dec. 4, 1951. Class 105.

555,142. Acting as an Agency for Nationally-Known Periodical Magazine Publications, and for Soliciting Subscriptions to the Publications Through Crews Sent to Different Cities. Interstate Readers Service, Inc., Dallas, Tex.
Filed May 17, 1950, Serial No. 597,615. Published Nov. 27, 1951. Class 100.

555,143. Railroad Passenger and Freight Transportation Service. Minneapolis, St. Paul & Sault Ste. Marie Railroad Company, Minneapolis, Minn.
Filed July 7, 1950, Serial No. 600,346. Published Dec. 4, 1951. Class 105.

555,144. Moving and Shipping by Motor Truck of General Commodities. Terminal Transport Company, Inc., Indianapolis, Ind.
Filed Jan. 11, 1951, Serial No. 608,684. Published Nov 13, 1951. Class 105.

555,145. Advertising the Goods and Services of Sponsors Through the Medium of a Television Program. Bertram H. Claster, Baltimore, Md.
Filed Jan. 25, 1951, Serial No. 609,229. Published Nov. 13, 1951. Class 101.

555,146. Entertainment Service in the Nature of a Radio Broadcast Program Comprising an Integrated Series of Dramatic Stories and Short Radio Narratives. Alexander & Sprague, Chicago, Ill.
Filed Feb. 9, 1951, Serial No. 609,837. Published Nov. 27, 1951. Class 107.

555,147. Treating Wood and Wood Products With Chemicals to Prolong the Life Thereof. Société à Responsibilité Limitée Cobra, Paris, France.
Filed Feb. 9, 1951, Serial No. 609,885. Published Nov. 27, 1951. Class 106.

Collective Marks

555,148. Stimulating and Helping Maintain Interest in Education, Civic Affairs, and Social Services. Chi Omega Fraternity, Cincinnati, Ohio.
Filed July 14, 1950, Serial No. 600,650. Published Dec. 4, 1951. Class 100.

555,149. Meats—Namely, Processed Rabbits. Rabbit Packers of California, Los Angeles, Calif.
Filed Jan. 17, 1951, Serial No. 608,894. Published Nov. 27, 1951. Class 46.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

555,150. (Class 48. Malt Beverages and Liquors.) Peter J. McGurk, Elizabeth, N. J., assignee of Brewers' Best Associates, Inc. Original filed, act of 1946, Principal Register, Sept. 13, 1947; amended to application, Supplemental Register, Dec. 22, 1949, Serial No. 534,412.

BREWERS' BEST

For Beer.
Claims use since Jan. 21, 1947.

555,151. (Class 48. Malt Beverages and Liquors.) Peter J. McGurk, Elizabeth, N. J., assignee of Brewers' Best Associates, Inc. Original filed, act of 1946, Principal Register, Sept. 13, 1947; amended to application, Supplemental Register, May 12, 1950, Serial No. 534,413.



The lining represents the colors gold, red and green.
For Beer.
Claims use since Jan. 21, 1947.

555,152. (Class 16. Paints and Painters' Materials.) Berry Brothers, Inc., Detroit, Mich., and Chicago, Ill. Original filed, act of 1946, Principal Register, May 28, 1948; amended to application, Supplemental Register, Dec. 11, 1951, Serial No. 557,995.

BERRYSEAL

For Waterproof Finishes in the Nature of and Applied Like Lacquers and Varnishes for Floors and Trim.
Claims use since Mar. 12, 1946.

555,153. (Class 51. Cosmetics and Toilet Preparations.) Caron Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 13, 1948; amended to application, Supplemental Register, May 3, 1951, Serial No. 563,309.



For Perfume.
Claims use since April 1936.

555,154. (Class 16. Paints and Painters' Materials.) Sapolin Paints Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 30, 1948; amended to application, Supplemental Register, May 2, 1951, Serial No. 566,174.



Applicant claims ownership of Registrations Nos. 37,945, 51,988, and others.
For Bronzing Liquids of the Paint Type, Vehicles for Bronze Powders of the Paint Type, Varnishes, Lacquers, Wall Paper Wax Intended To Provide a Waterproof Coating, Paint Wood Pore Sealers, and Chemical Paint and Varnish Removers.
Claims use since Dec. 1, 1946.

555,155. (Class 2. Receptacles.) Mail-Well Specialty Bag Company, Portland, Oreg., now by change of name Pak-Well Paper Products Company, a corporation of Oregon. Filed Mar. 28, 1949, Serial No. 577,636.

PAK-WELL

For Glassine Bags.
Claims use since Apr. 1, 1946.

555,156. (Class 16. Paints and Painters' Materials.) Lee Wulff, Shushan, N. Y. Original filed, act of 1946, Principal Register, May 3, 1949; amended to application, Supplemental Register, May 3, 1951, Serial No. 578,183.

FORM-A-LACQ

For Lacquer, Varnish, Both Plain and Colored and Hardener for Same.
Claims use since Feb. 2, 1949.

555,157. (Class 51. Cosmetics and Toilet Preparations.) Juanita B. Davis, Charleston, W. Va. Original filed, act of 1946, Principal Register, Aug. 2, 1949; amended to application, Supplemental Register, Sept. 4, 1951, Serial No. 582,827.

Neat-er Curl

For Hair Preparation.
Claims use since Jan. 1, 1946.

555,158. (Class 12. Construction Materials.) Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., now by merger and change of name United States Steel Company, a corporation of New Jersey. Original filed, act of 1946, Principal Register, Feb. 10, 1950; amended to application, Supplemental Register, Jan. 2, 1951, Serial No. 592,250.

I-BEAM-LOK

For Steel Flooring.
Claims use since June 2, 1949.

555,159. (Class 52. Detergents and Soaps.) Perma-Sheen Chemical Company, Washington, Pa. Original filed, act of 1946, Principal Register, June 13, 1950; amended to application, Supplemental Register, Aug. 8, 1951, Serial No. 599,009.

GOLDEN GLOW

For Liquid Shampoo.
Claims use since Jan. 1, 1950.

555,160. (Class 12. Construction Materials.) Borg-Warner Corporation, Chicago, Ill. Original filed, act of 1946, Principal Register, June 27, 1950; amended to application, Supplemental Register, Mar. 23, 1951, Serial No. 599,811.

Zwik-On

For Window Screens in Knocked-Down and Assembled Form.
Claims use since Apr. 15, 1949.

555,161. (Class 51. Cosmetics and Toilet Preparations.) Elizabeth Arden Sales Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, July 15, 1950; amended to application, Supplemental Register, May 8, 1951, Serial No. 600,713.

Lip Liner

For Lipstick Pencils.
Claims use since Apr. 27, 1950.

555,162. (Class 18. Medicines and Pharmaceutical Preparations.) Gift-Pax, New York, N. Y. Original filed, act of 1946, Principal Register, May 19, 1950; amended to application, Supplemental Register, June 12, 1951, Serial No. 602,076.

GiftPax

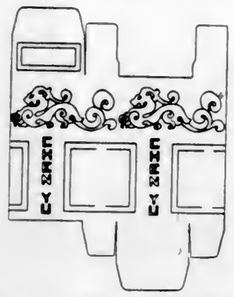
For Medicinal and Pharmaceutical Preparations for New-Born Babies and Their Mothers—Namely, Laxatives, Disinfectants, Antiseptics, and Medicated, External-Use, Baby Powders and Baby Oils.
Claims use since Feb. 1, 1950.

555,163. (Class 12. Construction Materials.) Bird & Son, inc., East Walpole, Mass. Original filed, act of 1946, Principal Register, Aug. 29, 1950; amended to application, Supplemental Register, May 25, 1951, Serial No. 602,885.

COPPER-CLIPT

For Asphalt Shingles.
Claims use since Feb. 3, 1938.

555,164. (Class 51. Cosmetics and Toilet Preparations.) Chen Yu, Inc., New York, N. Y., assignor to Richard Hudnut, New York, N. Y., a corporation of New York. Filed Sept. 27, 1950, Serial No. 604,069.



Applicant claims ownership of Registrations Nos. 386,923, 388,545, and others.
For Nail Lacquer, Liquid Nail Lacquer Remover, Nail Lacquer Thinner, Liquid To Assist in Drying of Nail Lacquer, Liquid Cuticle Remover and Cuticle Oil.
Claims use since June 1, 1949.

555,165. (Class 12. Construction Materials.) Childers Manufacturing Co., Houston, Tex. Original filed, act of 1946, Principal Register, Oct. 30, 1950; amended to application, Supplemental Register, Nov. 6, 1951, Serial No. 606,588.

CHILDERS
ALL ALUMINUM
Awnings

For Metal Awnings.
Claims use since June 26, 1950.

555,166. (Class 46. Foods and Ingredients of Foods.) Seapak Corporation, St. Simons Island, Ga. Original filed, act of 1946, Principal Register, Feb. 28, 1951; amended to application, Supplemental Register, Nov. 14, 1951, Serial No. 610,638.

SHRIMP IN-A-JACKET

For Frozen Shrimp.
Claims use since Apr. 1, 1949.

555,167. (Class 46. Foods and Ingredients of Foods.) J. Berk, Inc., New York, N. Y. Filed Aug. 28, 1951, Serial No. 618,146.

BERK'S

Applicant claims ownership of Registration No. 536,806.
For Coffee.
Claims use since Oct. 1, 1948.

TRADE-MARK REGISTRATIONS RENEWED

37,560. "FORCE." Registered Dec. 31, 1901. The "Force" Food Company, Buffalo, N. Y. Re-renewed Dec. 31, 1951, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Cereal Food Products. Class 46.

37,630. DIAMOND. Registered Jan. 7, 1902. Henry B. Newhall, New York, N. Y. Re-renewed Jan. 7, 1952, to Diamond Expansion Bolt Co., Inc., Garwood, N. J., a corporation of New Jersey. Expansion-Bolts, Screws, and Expansion-Shields. Class 13.

83,065. C. G. GRISWOLD. Registered Aug. 15, 1911. The Griswold Salve Corporation, Hartford, Conn., a corporation of Connecticut. Re-renewed Aug. 15, 1951. Salve. Class 18.

83,100. "PEGASUS BRAND" AND DRAWING. Registered Aug. 15, 1911. Standard Oil Co. of New York. Re-renewed Aug. 15, 1951, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Naphtha and Gasolene. Class 15.

84,064. BEAU BRUMMELL. Registered Oct. 31, 1911. West Disinfecting Company, New York, N. Y. Re-renewed Oct. 31, 1951, to West Disinfecting Company, Long Island City, N. Y., a corporation of New York. Soap. Class 52.

84,807. REPRESENTATION OF HARP. Registered Jan. 9, 1912. John E. Barbour, Lake View, N. J. Re-renewed Jan. 9, 1952, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts. Thread. Class 43.

84,808. REPRESENTATION OF BEAVER, ETC. Registered Jan. 9, 1912. John E. Barbour, Lake View, N. J. Re-renewed Jan. 9, 1952, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts. Thread. Class 43.

84,844. "MERSO" AND DRAWING. Registered Jan. 9, 1912. Merrell-Soule Co., Syracuse, N. Y. Re-renewed Jan. 9, 1952, to The Borden Company, New York, N. Y., a corporation of New Jersey. Whole-Milk Powder, Half-Skimmed-Milk Powder, and Skimmed-Milk Powder. Class 46.

85,150. LISTERINE. Registered Jan. 30, 1912. Lambert Pharmacal Company. Re-renewed Jan. 30, 1952, to Lambert Pharmacal Company, St. Louis, Mo., a corporation of Delaware. Antiseptic for Medicinal Use, Personal Hygiene and Toilet. Class 18.

85,306. AMATAR. Registered Feb. 6, 1912. Carl Zeiss, Jena, Germany. Re-renewed Feb. 6, 1952, to Wollensak Optical Company, Rochester, N. Y., a corporation of New York. Objective-Lens Systems. Class 26.

85,520. CAVIS. Registered Feb. 20, 1912. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Feb. 20, 1952, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

85,688. REGAL. Registered Mar. 5, 1912. William S. Scull Company, Camden, N. J., a corporation of New Jersey. Re-renewed Mar. 5, 1952. Blended Coffee. Class 46.

85,694. ALGOL. Registered Mar. 5, 1912. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Mar. 5, 1952, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

85,832. "HERE YOU ARE SIR!" AND DRAWING. Registered Mar. 19, 1912. William S. Scull Company, Camden, N. J., a corporation of New Jersey. Re-renewed Mar. 19, 1952. COFFEE AND BLENDED COFFEE. Class 46.

86,257. CUTEX. Registered Apr. 23, 1912. Northam Warren, New York, N. Y. Re-renewed Apr. 23, 1952, to Northam Warren Corporation, Stamford, Conn., a corporation of New York. Cuticle Remover in Liquid Form. Class 51.

269,206. AIR-O-CEL. Registered Apr. 1, 1930. American Insulating Co. Renewed Apr. 1, 1950, to Floyd C. Reinke, Detroit, Mich. Pocket-Forming Elements of Pasteboard or Other Fibrous Material for Lining and Insulating Building Walls. Class 12.

280,608. TO LOVE. Registered Feb. 24, 1931. Max Kronstadt, doing business as Bristol Seamless Ring Co. Renewed Feb. 24, 1951, to Bristol Seamless Ring Company, New York, N. Y., a firm. Finger Rings. Class 28.

282,674. TONY. Registered Apr. 28, 1931. Xint Spanish Food Co. Renewed Apr. 28, 1951, to Xint Spanish Food Co., Los Angeles, Calif., a partnership. Alimentary Pastes, Tomato Paste, Mushroom Sauce, Canned Tomatoes. Class 46.

283,042. MISS MORRIS'. Registered May 12, 1931. Morris Candy Co. Renewed May 12, 1951, to Miss Morris Candies, Minneapolis, Minn., a partnership. Candy. Class 46.

286,577. "ENNJAY" AND DESIGN. Registered Sept. 1, 1931. Standard Oil Company of New Jersey, Wilmington, Del. Renewed Sept. 1, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Pipe Coating Enamel of the Nature of Paint. Class 16.

288,590. "WASH-RITE" AND DESIGN. Registered Nov. 3, 1931. National Washboard Company, Chicago, Ill., a corporation of West Virginia. Renewed Nov. 3, 1951. Wash-Boards. Class 24.

289,055. "NATIONAL DAIRY." Registered Nov. 17, 1931. National Dairy Products Corporation, Wilmington, Del. Renewed Nov. 17, 1951, to National Dairy Products Company, Inc., New York, N. Y., a corporation of Maryland. Frozen Citrus Juice. Class 46.

289,510. "ORKIN" ETC. AND DESIGN. Registered Dec. 1, 1931. Orkin Exterminating Company, Inc., Atlanta, Ga., a corporation of Georgia. Renewed Dec. 1, 1951. Insecticides and Deodorants Having Incidental Cleaning Properties. Class 52.

289,970. HI-SPEED. Registered Dec. 15, 1931. Nestor Johnson Manufacturing Company, Chicago, Ill., a corporation of Illinois. Renewed Dec. 15, 1951. Ice Skates and Skate Outfits, the Latter Consisting of Attached Shoes and Skates. Class 22.

290,032. NIAZO. Registered Dec. 22, 1931. Schering Corporation, New York, N. Y. Renewed Dec. 22, 1951, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey. Genito-Urinary Antiseptic. Class 18.

290,160. "ROBT. BURNS" ETC. AND DRAWING. Registered Dec. 22, 1931. General Cigar Co., Inc., New York, N. Y., a corporation of New York. Renewed Dec. 22, 1951. Cigars. Class 17.

290,953. FLAMISOL. Registered Jan. 19, 1932. Blanchini, Férier, Lyon, France. Renewed Jan. 19, 1952, to Blanchini, Ferier, Inc., New York, N. Y., a corporation of New York. Piece Goods of Wool, Hair, Natural or Artificial Silk, Hemp, Flax, Etc. Class 42.

291,006. PAB-COTE. Registered Jan. 26, 1932. The Paraffine Companies, Inc. Renewed Jan. 26, 1952, to Pabco Products Inc., San Francisco, Calif., a corporation of Delaware. Dry and Ready-Mixed Paints and Paint Enamels. Class 16.

291,591. "CHAMBERLIN" ETC. AND DESIGN. Registered Feb. 23, 1932. Chamberlin Metal Weather Strip Company. Renewed Feb. 23, 1952, to Chamberlin Company of America, Detroit, Mich., a corporation of Michigan. Screens—Namely, Metal Window Screens. Class 13.

291,699. "BIG CHIEF" AND DRAWING. Registered Feb. 23, 1932. R. E. Tongue & Bros. Co., Inc., Philadelphia, Pa., a corporation of Delaware. Renewed Feb. 23, 1952. Fly Ribbon, Fly Paper, Fly Tape and Fly Swatters. Class 50.

292,468. "S" AND REPRESENTATION OF ANCHOR. Registered Mar. 15, 1932. The Solvay Process Company, Syracuse, N. Y. Renewed Mar. 15, 1952, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Cleansing and Scouring Compound and a Cleaning Compound for Removing Casein and Milkstone, Particularly for Use in Dairies and Creameries. Class 52.

293,011. "DURASEAL CABLE" ETC. Registered Apr. 5, 1932. Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware. Renewed Apr. 5, 1952. Insulated Electrical Wire and Cable. Class 21.

293,041. "ADMIRAL" ETC. AND REPRESENTATION OF LABEL LINED FOR RED, BLUE, AND GOLD. Registered Apr. 5, 1932. Mandel & Cohen. Renewed Apr. 5, 1952, to Isidor H. Cohen, New York, N. Y. Underwear for the Use of Men, Women, and Children. Class 39.

293,111. "K D S" WITHIN SHIELD DESIGN. Registered Apr. 12, 1932. Kresge Department Store Corporation. Renewed Apr. 12, 1952, to Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey. Handkerchiefs, Broad-Cloth, Cotton, Silk Piece Goods, Pillow Cases, Etc. Class 42.

293,135. KATE GREENAWAY FROCK. Registered Apr. 12, 1932. Leo J. Goldberger, doing business as L. Wohl & Co. Renewed Apr. 12, 1952, to L. Wohl & Company, Inc., New York, N. Y., a corporation of New York. Children's and Misses' Dresses. Class 39.

293,169. DOMINION. Registered Apr. 12, 1932. The Solvay Process Company, Syracuse, N. Y. Renewed Apr. 12, 1952, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Cleaning Compound for Removing Casein and Milkstone, Etc. Class 52.

293,176. "LADY TREAT" AND PORTRAIT. Registered Apr. 12, 1932. Kresge Department Store Corporation. Renewed Apr. 12, 1952, to Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey. Women's, Misses', and Children's Stockings, Dresses; Etc. Class 39.

293,342. ATTENTION. Registered Apr. 19, 1932. B. G. Rooke, Woodlake, Calif. Renewed Apr. 19, 1952, to Independent Growers, Inc., Lindsay, Calif., a corporation of Nevada. Fresh Citrus Fruits. Class 46.

293,360. "LADY GREY" AND DRAWING. Registered Apr. 19, 1932. Jordan Marsh Company, Boston, Mass., a corporation of Massachusetts. Renewed Apr. 19, 1952. Mattresses. Class 32.

293,386. REALISTIC. Registered Apr. 19, 1932. The Realistic Permanent Wave Machine Co., Cleveland, Ohio. Renewed Apr. 19, 1952, to The Realistic Company, Cincinnati, Ohio, a corporation of Ohio. Hair Waving and Treating Solutions and Lotions, Hair Wash, Hair Rinse, Oils and Greases for Use in the Treatment of the Hair. Class 51.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

95,225. MARY JANES. Registered Feb. 3, 1914. Charles N. Miller, Boston, Mass. Candy. Class 46. The drawing is hereby amended to appear as follows:

MaryJane

282,061. OZO. Registered Apr. 7, 1931. B. Heller and Company, Chicago, Ill. Washing Powder and Cleansing Compound. Class 52. Corrected as follows: In the renewal certificate, on the page containing the statement, in the endorsement at the top thereof, line 2, for "The Barteldes Seed Company, Lawrence, Kans." read *B. Heller & Company, Chicago, Ill.*

302,902. WILBERT. Registered Oct. 12, 1948. Wilbert W. Hause Co., Forest Park, Ill. Burial Vaults. Class 2. Corrected as follows: In the statement the second paragraph should be deleted and

The trade-mark in other forms, such as in plain block lettering as set forth in applicant's prior Reg. No. 311,626, registered March 27, 1934, was first used upon the aforesaid goods by applicant and by applicant's affiliates and/or licensees in commerce and in commerce among the several States, which may lawfully be regulated by Congress, since on or about December 14, 1933, and in script form as shown herein since sometime in or about the month of September 1944, and has been continuously and exclusively used by applicant, and by applicant's affiliates and/or licensees, upon the aforesaid goods, namely, burial vaults, in commerce among the several States, which may lawfully be regulated by Congress, and is at the date hereof still being so used, and applicant controls the nature and quality of the burial vaults upon which the said trade-mark is used by the applicant's affiliates and/or licensees.

should be inserted in lieu thereof; and the following new declaration has been substituted for the original:

George J. Kloppenburg, being duly sworn, on oath deposes and says that he is president of the Wilbert W. Hause Co., an Illinois corporation, the applicant named in application Serial No. 532,700, filed August 28, 1947; that he is the George J. Kloppenburg who signed the original declaration filed in said application and that he was secretary of said corporation at that time; that he believes the statement embodied in said application, as amended, to be true and correct; that the applicant, the corporation, named in the said statement, as amended, is the owner of the trade-mark shown in the drawing which accompanied the said application; that the said trade-mark is in use by applicant and by applicant's affiliates and/or licensees in commerce among the several States; that applicant controls the nature and quality of the goods, namely, burial vaults, upon which the said trade-mark is used by applicant's affiliates and/or licensees; that no other person, firm, corporation or association, to the best of his knowledge and belief, has the right to use such trade-mark in commerce which may lawfully be regulated by Congress, either in the identical form thereof or in such near resemblance thereto as might be calculated to deceive; that the drawing and description embodied in the said application represent the trade-mark sought to be registered; that the specimens filed with the said application show the trade-mark as actually used upon the goods; that the said trade-mark has been in bona fide and substantially continuous and exclusive use by applicant and by applicant's affiliates and/or licensees upon the said goods for more than five (5) years prior to the filing of the said application on August 28, 1947, namely, since on or about December 14, 1933, having been so used from on or about December 14, 1933 until in or about the month of September 1944, in other forms, such as in plain block lettering as set forth in applicant's prior Reg. No. 311,626 registered March 27, 1934, and in script form as shown herein since sometime in or about the month of September 1944, and is at the date hereof still being so used by applicant and by applicant's affiliates and/or licensees; and that said trade-mark, as a result of such usage, has become distinctive of the goods of applicant and applicant's affiliates and/or licensees in commerce, the nature and quality of which is controlled by applicant.

309,842. WARNER "DREADNAUGHT." Registered May 17, 1949. Warner Electric Brake Manufacturing Company, South Beloit, Ill. Electric Cables, Connectors, Plugs, and Sockets. Class 21. Corrected as follows: In the statement, lines 6, 7, and 8, "electric cables, connectors, plugs, and sockets" should be deleted and *electric cable with a terminal plug or box at each end adapted to be mounted on connected road vehicles* should be inserted in lieu thereof.

549,049. HANDY. Registered Oct. 2, 1951. Keuffel & Esser Company, Hoboken, N. J. Measuring Tapes. Class 26. Corrected as follows: In the statement, first column, line 15, for "second 2(f)" read *section 2(f)*.

550,886. TAX MATTERS. Registered Nov. 13, 1951. Kennedy Sinclaire, Inc., New York, N. Y. Periodical Publications. Class 38. Corrected as follows: The mark should appear as shown below instead of as in the registration—

Tax Matters

550,990. O-N MEN-THO-SOTE. Registered Nov. 20, 1951. Owen Drug Co., Salisbury, N. C. Mentholated-Creosoted Preparation for Aiding Discomforts Due to Coughs and Colds. Class 18. Corrected as follows: In the certificate, line 4, address of registrant, for "Salisbury, South Carolina" read *Salisbury, North Carolina.*

551,065. RICHLON. Registered Nov. 20, 1951. Richmond Manufacturing Company, Lockport, N. Y. Flexible Conduits, Usually Called Sifter Stockings, for Connections With Sifting or Other Apparatus. Class 35. Corrected as follows: In the statement, first column, line 8, for "SHIFTING" read *SIFTING.*

551,625. CEBETINIC. Registered Dec. 4, 1951. The Upjohn Company, Kalamazoo, Mich. Medicinal Preparation Containing Vitamins for the Treatment of Hemopoietic and Nutritional Disorders. Class 18. The drawing is hereby amended to appear as follows:

Cebētinic

553,222. SCHNEIDER. Registered Jan. 8, 1952. Burleigh Brooks Co., New York, N. Y. Photographic Lenses. Class 26. Corrected as follows: In the statement, column 1, line 1, strike out "Graves Brothers Co., a corporation organized" and insert instead *Burleigh Brooks Co., a firm composed of Bur-*:

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 420,214. Registered Apr. 2, 1946. The Rex Co., Inc., Cambridge, Mass. Republished by The Rex Corporation, Cambridge, Mass., a corporation of Massachusetts.

Rextrude

The drawing is lined for the color red.

For Plastic Composition in the Form of Thread or Rodding Used as Wound Electrical Insulation for Electric Wiring.

Claims use since Jan. 26, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 327,696. Registered Sept. 3, 1935. Ciro Pearls Limited, London, England. Republished by Ciro of Bond Street, Inc., New York, N. Y., a corporation of New York.

CIRO

For Finger Rings, Jewelled Pins, Earrings, Necklaces, Tie-Pins, Brooches, Bracelets and Decorative Studs and Cuff-Links, All Being Articles of Imitation Jewelry, and Imitation Pearls and Reconstructed Gems.

Claims use since May 23, 1917.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 274,533. Registered Sept. 2, 1930. The Bruce Publishing Company, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

The CATHOLIC SCHOOL JOURNAL

For Periodicals.

Claims use since April 1901.

CLASS 39

CLOTHING

Reg. No. 383,733. Registered Dec. 24, 1940. Blair Corset Company, Inc., Chicago, Ill., a corporation of Illinois. Republished by registrant.

AERO-HINGE

For Brassières and Corsets.

Claims use since Jan. 3, 1939.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 327,696. Registered Sept. 3, 1935. (Classified in Class 28.) Ciro Pearls Limited, London, England. Republished by Ciro of Bond Street, Inc., New York, N. Y., a corporation of New York.

CIRO

For Finger Rings, Jewelled Pins, Earrings, Necklaces, Tie-Pins, Brooches, Bracelets, and Decorative Studs and Cuff-Links, All Being Articles of Imitation Jewelry, and Imitation Pearls and Reconstructed Gems.

Claims use since May 23, 1917.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 333,891. Registered Apr. 14, 1936. Blair Corset Company, Inc., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Support-U

The word "Support" is disclaimed apart from the mark as shown.

For Men's Abdominal Belts.

Claims use since Nov. 1, 1935.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 386,544. Registered Apr. 15, 1941. Costa Bros., Yuba City, Calif., a co-partnership. Republished by registrant.

Ginger Boy

For Fresh Vegetables and Fresh Fruits—Namely, Melons.

Claims use since Oct. 4, 1940.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 82,261. Registered June 13, 1911. I. Rokeach & Sons, New York, N. Y. Republished by I. Rokeach & Sons, Inc., New York, N. Y., a corporation of New York.

ROKEACH'S.

For Soap Used for Scouring and Washing Dishes.

Claims use since 1891.

PLANT PATENTS

GRANTED FEBRUARY 19, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,075

APPLE TREE

Alvin J. Mars, Entiat, Wash., assignor to Columbia & Okanogan Nursery Company, Wenatchee, Wash.

Application November 18, 1947, Serial No. 786,818

1 Claim. (Cl. 47—62)

The new and distinct variety of apple tree substantially as herein shown and described, characterized particularly by its early ripening season; its ability to resist powdery mildew; and its fruit with Jonathan-like flavor, of about the size and shape of Stayman Winesap but with more prominent points at calyx end, and color a brighter red.

PATENTS

GRANTED FEBRUARY 19, 1952

2,585,901
METHOD OF ISOTOPE ANALYSIS
Gerhard H. Dieke, Baltimore, Md., assignor to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application November 21, 1945, Serial No. 630,125
8 Claims. (Cl. 23—230)

1. A method of determining the isotopic composition of an element capable of being incorporated in a uranyl compound which comprises chemically incorporating said element in a uranyl compound to enhance the separation of corresponding spectral lines characteristic of the isotopes of said element, producing a spectrum of said compound including said corresponding lines and scanning at least one of said lines with a light sensitive tube to obtain an electric current as an indication of the relative abundance of said isotopes in said element.

2,585,902
INHIBITION OF OXIDATION IN TIN SOLUTIONS
Allen G. Gray, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1949, Serial No. 74,260
5 Claims. (Cl. 204—54)

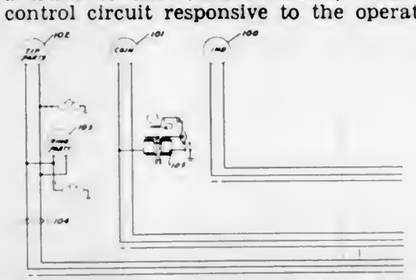
1. In the operation of a tin electroplating process wherein tin is electrodeposited from an aqueous, acidic solution of stannous chloride having a pH between 2 and 5 and containing 2 to 12 moles of alkali metal fluoride per mole of stannous chloride, the improvement which consists in adding thereto 0.1 to 5 grams per liter of thiourea.

2,585,903
GELATIN CAPSULES CONTAINING CHLORAL HYDRATE
Arthur E. Meyer, Flushing, N. Y., assignor to Fellows Medical Manufacturing Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 16, 1950, Serial No. 168,653
5 Claims. (Cl. 167—52)

1. An hermetically sealed soft gelatin capsule having completely sealed therein substantially dry chloral hydrate dissolved in a fixed fat.

2,585,904
CROSSBAR TELEPHONE SYSTEM
Aloysius J. Busch, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1948, Serial No. 57,394
17 Claims. (Cl. 179—18)

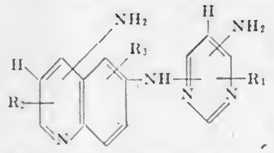
1. In a telephone system, line switches, lines appearing in said line switches, trunk switches, trunks appearing in said trunk switches, connecting paths connecting any one of said line switches with any one of said trunk switches, a common switch control circuit, means to seize said control circuit under the control of a calling one of said lines, other means to seize said control circuit under the control of a call incoming to one of said trunks, line identifying means and trunk identifying means in said control circuit, means to operate said line identifying means and said trunk identifying means from either one of said seizing means to identify a line and a trunk to said control circuit, means in said control circuit responsive to the operation



of said line identifying means and said trunk identifying means to operate a trunk switch and a line switch and to set up a connecting path there-between to connect said identified line and said identified trunk, and means for making the sequence of said last-mentioned operations the same irrespective of which of said seizing means has seized said control circuit.

2,585,905
QUATERNARY SALTS OF PYRIMIDYL-AMINOQUINOLINES
Arthur Donald Ainley and Francis Henry Swinden Curd, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 13, 1948, Serial No. 44,235. In Great Britain August 22, 1947
11 Claims. (Cl. 260—256.4)

1. Quaternary salts of the pyrimidylamino-quinoline derivatives having the general formula:

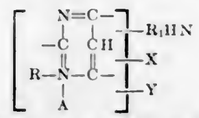


wherein R_1 is a radical from the group consisting of hydrogen, amino and lower alkayl, and R_2 and R_3 are radicals from the group consisting of hydrogen and lower alkyl.

2,585,906
QUATERNARY SALTS OF PYRIMIDINES
Arthur Donald Ainley, Blackley, Manchester, and Stanley Birtwell, Leeds, England, and Francis Henry Swinden Curd, deceased, late of Blackley, Manchester, England, by Muriel Ruth Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 3, 1949, Serial No. 125,371. In Great Britain November 5, 1948
14 Claims. (Cl. 260—256.4)

1. A process for the manufacture of quaternary

salts of pyrimidine derivatives of the general formula:



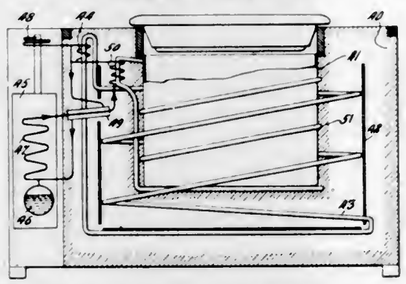
wherein R and R_1 are lower alkyl radicals, A is an anion, X is a radical from the group consisting of halogen and —S alkyl, and Y is a radical from the group consisting of hydrogen, lower alkyl, amino, and —NH alkyl, which comprises reacting the free base form of the pyrimidine with a quaternary salt-forming agent.

2,585,907
TRANSMITTING AND RECEIVING APPARATUS FOR ELECTROMAGNETIC PROSPECTING.
William M. Barret, Shreveport, La., assignor to Engineering Research Corporation, Shreveport, La., a corporation of Louisiana
Application June 26, 1947, Serial No. 757,242
2 Claims. (Cl. 250—17)



1. An energizer for transmitting electromagnetic waves into the earth comprising an elongated conductor which is insulated along its complete length and which is placed substantially in the air-earth interface, an adjustable condenser and an inductor connected in series with each other and with said conductor, a resonance indicator coupled to said energizer, a source of radio frequency waves of a predetermined frequency, and means for coupling said source to said inductor so that said energizer is current fed, the length of said elongated conductor being fixed at substantially an odd multiple of one-quarter wave length in the earth of the wave of said predetermined frequency, said adjustable condenser and inductor being adapted to vary the electrical length of said conductor.

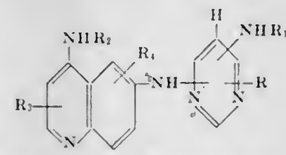
2,585,908
MULTIPLE TEMPERATURE REFRIGERATION SYSTEM
Sigurd Mattias Bäckström, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application December 15, 1945, Serial No. 635,152
In Sweden December 19, 1944
6 Claims. (Cl. 62—95)



1. In a refrigerator comprising a cabinet having an inner liner defining a storage compartment and a body of insulating material disposed about such liner, refrigeration apparatus including a low temperature cooling element and a higher temperature cooling element, a first system for heat transfer fluid having a heat rejecting portion in heat conductive relation with said low temperature cooling element and a heat abstracting portion in heat conductive relation with air in the compartment, and a second system for heat transfer fluid having a heat rejecting portion in heat conductive relation with said higher temperature cooling element and a heat abstracting portion having a major portion thereof disposed about said liner and located in the insulating body at a region which is spaced from the inner and outer surfaces thereof.

2,585,909
QUATERNARY SALTS OF PYRIMIDYLAMINO-QUINOLINES
Norman Barton, Blackley, Manchester, and Stanley Birtwell, Leeds, England, and Francis Henry Swinden Curd, deceased, late of Blackley, Manchester, England, by Muriel Ruth Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 3, 1949, Serial No. 125,372. In Great Britain November 5, 1948
12 Claims. (Cl. 260—256.4)

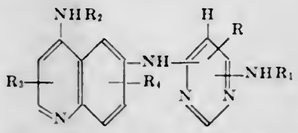
1. Quaternary salts of the pyrimidylamino-quinoline derivatives having the general formula:



wherein R is a radical from the group consisting of hydrogen, alkyl, amino, and alkyl amino; R_1 and R_2 are radicals from the group consisting of hydrogen and lower alkyl without R_1 and R_2 being both simultaneously hydrogen radicals; and R_3 and R_4 are radicals from the group consisting of hydrogen and lower alkyl.

2,585,910
PROCESS FOR PREPARING DIQUATERNARY SALTS OF PYRIMIDYLAMINO QUINOLINES
Norman Barton, Blackley, Manchester, Stanley Birtwell, Leeds, England, and Francis Henry Swinden Curd, deceased, late of Blackley, Manchester, England, by Muriel Ruth Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 3, 1949, Serial No. 125,373. In Great Britain November 5, 1948
5 Claims. (Cl. 260—256.4)

1. A process for the manufacture of diquaternary salts of pyrimidylamino quinolines of the general formula:



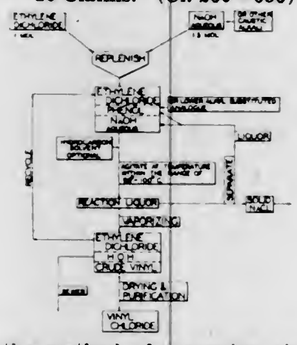
wherein R is a radical from the group consisting of hydrogen, amino, lower alkyl and —NH alkyl; R_1 and R_2 are radicals from the group consisting of hydrogen and lower alkyl without R_1

and R_2 both being simultaneously hydrogen atoms; and R_3 and R_4 are radicals from the group consisting of hydrogen and lower alkyl, which comprises reacting a compound from the group consisting of compounds of the general formula above given and the monoquaternary salts thereof with a quaternary salt forming agent.

2,585,911
METHOD OF MAKING VINYL CHLORIDE

George E. Baxter, Grand River, Ohio, assignor to Diamond Alkali Company, Cleveland, Ohio, a corporation of Delaware

Application August 10, 1948, Serial No. 43,443
10 Claims. (Cl. 260—656)

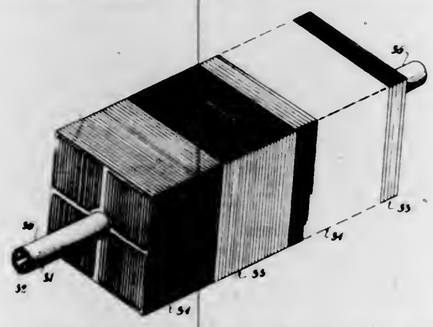


1. In the method of preparing vinyl chloride by the dehydrochlorination of ethylene dichloride with aqueous caustic alkali, the improvement which comprises carrying out said dehydrochlorination in a fluid body comprising an aqueous solution of caustic alkali and an alkali metal salt of a hydroxy aromatic compound selected from the group consisting of hydroxy-benzene, and its nuclear lower alkyl substituted derivatives.

2,585,912
REGENERATOR FOR THE RECOVERY OF THE COLD CONTENT OF GASES

Herman F. Buschow, North Arlington, and Percival C. Keith, Peapack, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey

Application November 1, 1947, Serial No. 783,498
17 Claims. (Cl. 257—227)

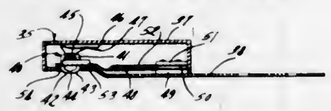


1. A regenerator packing member comprising a thin plate-like polygonal member of high heat conducting material, a flanged mounting opening therein, narrow integral flanges on at least two opposite peripheral edges thereof and having in the face thereof a multiplicity of closely spaced passages formed by cutting the plate-like member along closely spaced lines and deflecting substantially all of the material between contiguous lines to provide vanes defining said passages, the said vanes each extending substantially equidistantly above and below the plane of the face of the plate-like member and lying in a plane at an angle to the plane of the face of the plate-like member, said member when assembled with other like members with the flanges of one member disposed in substantially abutting relationship with the face of a contiguous member providing an exceptionally large mass of high heat conducting material per unit of regenerator volume permeated by a multiplicity of said passages for flow of a fluid medium therethrough in surface contact with said high heat conducting material.

2,585,913
MAGNETIC PICKUP HEAD AND MOUNT THEREFOR

Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois

Application August 30, 1947, Serial No. 771,493
13 Claims. (Cl. 179—100.2)

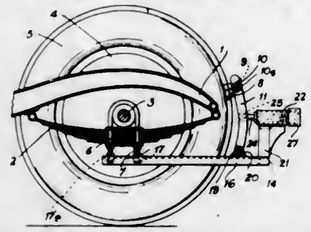


1. A magnetic sound head assembly comprising a housing for a magnetic sound head, a sound head having a pair of magnetic poles projecting through said housing, a tape-supporting member, a resilient mounting for said sound head biasing said head toward said supporting member, and means including a cam on said head for raising said head to enable said tape record member to be slipped between said supporting member and said head when said tape record member is slid laterally over said supporting member.

2,585,914
DEVICE FOR PROTECTING AND PRESERVING THE TIRES OF WHEELED VEHICLES

William C. Carlton, Hornchurch, England

Application May 25, 1948, Serial No. 29,143
In Great Britain November 11, 1947
21 Claims. (Cl. 280—158)

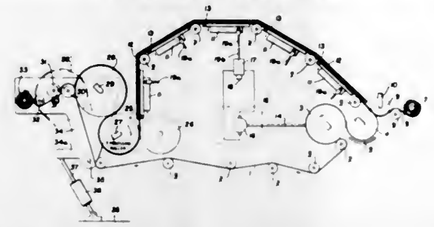


1. A protecting device for a tire of a vehicle comprising an extractor blade for removing foreign bodies from the tire surface, and means carried by the vehicle for supporting the extractor blade in operative relation to the tire surface for movement into engagement with the tire surface and away from said surface, said supporting means including resilient means yieldingly urging said blade towards the tire surface, and damping means cooperating with the resilient means for controlling the resilient effect thereof which urges the blade towards the tire surface and resists movement of the blade away from the tire surface.

2,585,915
APPARATUS AND METHOD FOR EMBOSSING THERMOPLASTIC FILM

Marc A. Chavannes, Pompton Lakes, N. J., assignor to Chavannes Industrial Synthetics, Inc., New York, N. Y., a corporation of Delaware

Application November 30, 1948, Serial No. 62,703
8 Claims. (Cl. 18—19)

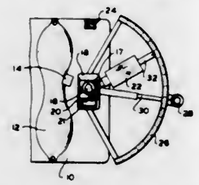


6. In apparatus for embossing thermoplastic film, in combination, a continuously advancing metal carrier belt for supporting and advancing said film, means for applying said film to said belt, means for heating said film to a softening temperature while it is supported by said belt, means providing a chilled, continuously-advancing, curved embossing surface for embossing said warm, soft film, said carrier belt embracing said curved embossing surface through an extended path so as to hold said film against said surface throughout said extended path, a backing roller engaging said carrier belt opposite the initial line of tangency of said film with said embossing surface for pressing said film against said surface to emboss it, and means for removing said film and said carrier belt from said chilled embossing surface after they have passed in said extended path along the same and for stripping said embossed film from said carrier belt.

2,585,916
CRYSTAL ANALYSIS APPARATUS

Joseph E. Coleman, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War

Application May 18, 1945, Serial No. 594,468
7 Claims. (Cl. 250—83.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



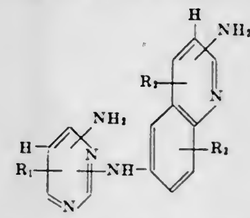
1. In an X-ray crystal analysis apparatus for determining the electrical axis of an unfaced crystal including a source of X-ray radiation; a goniometer having its vertical axis positioned at the center of the arc formed by the angular scale of said goniometer, first and second independently rotating radial arms mounted on said vertical axis, an ionization chamber mounted on said first arm, a turn-table fixedly mounted on said second arm at the axis' end of said second arm whereby said turn-table rotates around said vertical axis with said second arm, a reference surface on said turn-table, and a jig removably mounted on said turn-table, said jig having a reference surface matching the reference surface of said turn-table, and also having a rotatable crystal support mounted thereupon, whereby, upon the removal of said jig from said turn-table, the reference surface on said jig acts as a means for indicating the direction of the electrical axis determined with said X-ray apparatus.

2,585,917
PROCESS FOR THE MANUFACTURE OF QUATERNARY SALTS OF PYRIMIDYL-AMINOQUINOLINES

Francis Henry Swinden Curd, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application August 13, 1948, Serial No. 44,236. In Great Britain August 22, 1947
5 Claims. (Cl. 260—256.4)

1. A process for the manufacture of quaternary salts of the pyrimidylaminoquinoline derivatives having the general formula:



wherein R_1 is a radical from the group consisting of hydrogen, amino, and lower alkyl, and R_2 and R_3 are radicals from the group consisting of hydrogen and lower alkyl which comprises reacting a compound from the group consisting of the free base form and partial salts of compounds having the general formula specified above with a quaternary salt-forming agent.

2,585,918
COMPOSITIONS COMPRISING SOLUTIONS OF ACRYLONITRILE POLYMERS

Masten Rufus Dalton, Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 20, 1949, Serial No. 134,129. In Canada August 5, 1948
15 Claims. (Cl. 260—32.6)

1. As a new composition of matter, an acrylonitrile polymer containing, in the polymer molecule, at least 85 mole per cent of acrylonitrile, dissolved in a mixture of nitromethane and from 2 to 40% of formamide by volume, based on the total volume of said mixture.

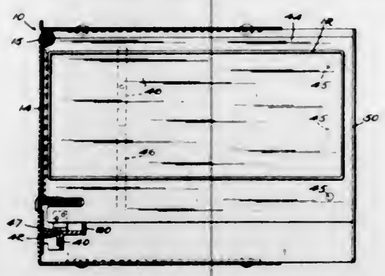
2,585,919
CHECKING CABINET

Elmer W. Davis, Newton Center, Mass., assignor to American Locker Company, Inc., Boston, Mass., a corporation of Delaware

Application March 7, 1945, Serial No. 581,504
8 Claims. (Cl. 312—287)

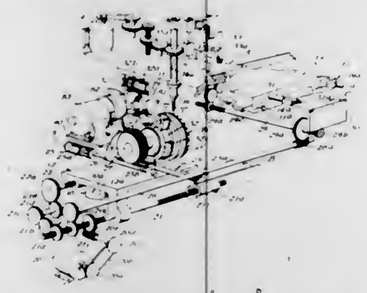
8. A checking cabinet comprising walls providing a chamber, a closure door therefor, a key controlled lock having a locking bolt for retaining the door in closed position, a platform in the chamber adapted to receive thereonto an article deposited in the chamber, means operative on the lock normally to prevent movement of the bolt to door-locking position, and gravity operated means cooperating with the plat-

form and the first named means for rendering the first named means abnormally inopera-



tive when said article is deposited onto the platform.

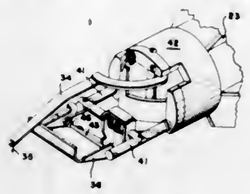
2,585,920
IMPELLER TROUGH MILLING MACHINE AND METHOD
Howard R. De Vlieg, Grosse Pointe Woods, Mich., and Pierce T. Angell, Cleveland, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 21, 1948, Serial No. 55,798
11 Claims. (Cl. 90—13.9)



1. A machine for milling the trough between two adjacent complex vanes of an impeller wheel, comprising a primary rotatable spindle, an impeller supporting fixture journaled on said spindle, a lever pivotally mounted on said primary spindle having one portion slidably engaged with said fixture, whereby said fixture follows all movements of said spindle but is rotated relative to said spindle by pivotal movement of said lever, a rotating cutting element, means for relatively shifting said primary spindle and the axis of said rotating cutting element to move said rotating cutting element along a path parallel to the contour of one of the vanes of the impeller wheel, and means for pivotally oscillating said lever at a rapid rate with respect to the relative movement of said primary spindle and the cutting element axis, whereby said cutting element traverses all of the trough portion intermediate said adjacent vanes.

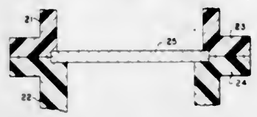
11. Apparatus adapted for milling the hub portion of an impeller wheel lying between two adjacent vanes radiating from the hub which comprises a work support for the wheel, a cutter support for holding a cutter tool to project into the space between two adjacent vanes of the work piece, means for rotating about its own axis a cutter tool carried by said support, first means for relatively shifting the cutter support and work support to control the radial cutting path along the hub, second means for relatively shifting the cutter support and work support to control the axial cutting path along the hub, and third means for relatively oscillating the cutter support and the work support a plurality of times to control the peripheral cutting path along the hub.

2,585,921
BATHYTHERMOGRAPH PEN LIFTING ATTACHMENT
Forrest Kelly Eccles, Reno, Nev.
Application October 27, 1949, Serial No. 123,872
8 Claims. (Cl. 346—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



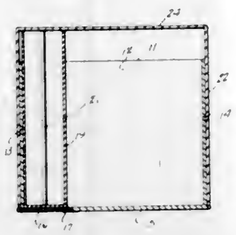
8. A pressure responsive device with a pen lifting attachment comprising a chart, said chart being mounted to move with a forward and backward translatory motion, a pen for recording pressure on said chart, spring-urged means adapted to move said pen out of contact with the chart, pivoted latching means to maintain the spring urged means inoperative, and pressure operated trigger means responsive to said translatory motion to move into contact with and pivot said latching means at a predetermined pressure.

2,585,922
HERMETICALLY SEALED ALKALINE DRY CELL
Grenville B. Ellis, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army
Application April 3, 1950, Serial No. 153,686
1 Claim. (Cl. 136—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



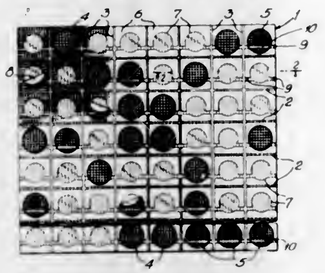
In an hermetically sealed primary alkaline dry cell of the zinc-mercuric oxide type having as internal elements a positive and a negative electrode, an ionically conductive barrier between said electrodes and an immobilized alkaline electrolyte; an airtight assembly comprising two individual containers of plastic dielectric material, the first of said containers inclosing said negative electrode, the second of said containers inclosing said positive electrode, one end of each of said containers being closed and having electrical conductive elements thru said ends, the opposite end of each of said containers being open and flanged, said barrier being in intimate contact with said flanged ends, said electrodes being in pressure contact with said barrier and said closed ends, and closing means rigidly and hermetically securing said flanged ends to each other and to said barrier at said flanged ends, said closing means comprising thermoplastically sealed flanges at said flanged ends.

2,585,923
COMBINED POCKET CIGARETTE CASE AND ASH TRAY
Frederick J. Epler, Santa Monica, and Harry J. Pfau, Hollywood, Calif.
Application November 8, 1949, Serial No. 126,206
3 Claims. (Cl. 206—38)



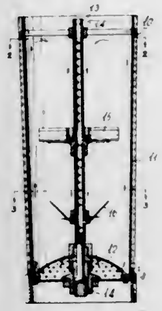
1. A pocket cigarette case and ash tray comprising a rectangular case having an open top, a hinged flap in the bottom wall of the case adjacent one side margin thereof, a vertical inwardly-projecting rib carried by one of the walls of the case over said flap, a vertical receptacle slidably fitting in said case, said receptacle being substantially greater in height than the case, said receptacle being formed with a vertical groove slidably receiving said vertical rib, said receptacle being arranged to pass through the bottom wall of the case when the flap is in open position, spring means biasing the flap toward closed position, and a cover member telescopically fitting over the case and arranged to abut the top rim of the receptacle, whereby to close off said receptacle, said cover member being formed with an inwardly-projecting element slidably engaging the outer surface of said inwardly-projecting rib.

2,585,924
GAME
Benjamin H. Freedman, Asbury Park, N. J., and Emil J. Heggedal, Lynbrook, N. Y., assignors, by mesne assignments, to James S. Cushman, New York, N. Y., and Harold F. Moonert, Willoughby, Ohio, jointly
Application September 10, 1947, Serial No. 773,094
7 Claims. (Cl. 41—34)



1. The combination of two elements including a sheet base and sheet markers having dry glossy facial areas to permit intimate and air-free contact between the glossy areas of the markers and base upon the application of a slight pressure, one of said elements being flexible, and a dull or matted facial area formed on one of said elements between the outer edges of the markers and the glossy areas of the markers facing the opposing face of the other element, but not attachable to said opposing face to facilitate removing the markers from the base when a peeling force is exercised on the flexible element, said dull facial area being in the same plane with its adjacent glossy area.

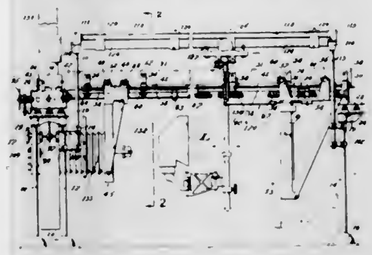
2,585,925
MACHINE FOR MAKING EMULSIONS
Norma B. Gallenkamp, Houston, Tex.
Application November 27, 1945, Serial No. 631,076
6 Claims. (Cl. 259—107)



1. In a mixing device of the character described, an elongated mixing container, a driven shaft within the container and extending more than half the length of the container, an upper set of sharp blades radially secured to the shaft and co-planar with the shaft axis, and a lower set of sharp blades radially secured to the shaft and positioned transversely to the axis of the shaft, said sets of blades being spaced substantially apart from each other.

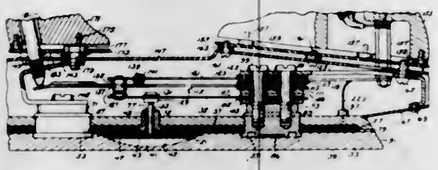
2,585,926
WITHDRAWN

2,585,927
CAMERA AND STAND THEREFOR
Herbert Gelb, New York, N. Y., assignor to Joseph Gelb Company, New York, N. Y.
Application April 29, 1949, Serial No. 90,311
24 Claims. (Cl. 88—24)



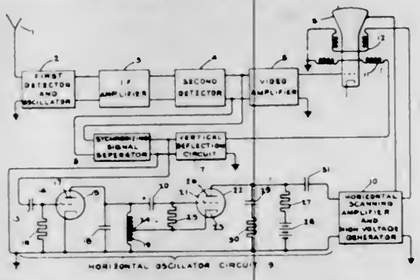
1. A camera stand having a beam mounted thereon; a plurality of transverse ties mounted on said beam; two parallel series of laterally adjustable pillow blocks mounted on said ties with a block of each series on each tie and the blocks of one series aligned with the blocks of the other series; a pair of rails, one rail being supported by all blocks of one series and the other rail being supported by all blocks of the other series; two carriages rollably mounted on said rails; a lens board mounted on one carriage; and a copy board mounted on the other carriage.

2,585,928
ELECTRIC IRON AND METHOD OF MAKING OF SAME
John R. Gomersall, Elgin, and Murray Ireland, near Elgin, Ill., assignors to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application April 2, 1945, Serial No. 586,099
15 Claims. (Cl. 219—25)



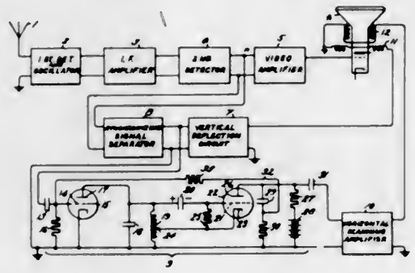
5. An electric sadiron comprising a relatively thin metal sole plate, a relatively thin metal top plate thereabove having a recess in its lower surface to provide a relatively thin peripheral shoulder therearound, a planar insulated electric heating element in said recess having a thickness on the order of the depth of said recess, brazing material between said peripheral shoulder of the top plate and said sole plate holding the shoulder of said top plate tightly against said sole plate and compressing tightly the outer portion of said heating element and a pair of assembly plugs positioned on a longitudinal center line of the iron having their lower ends secured to said sole plate and extending through openings in said top plate and having an intermediate portion thereof swaged against the top plate to tightly clamp the intermediate portion of the heating element between the top plate and sole plate.

2,585,929
SYNCHRONIZING SYSTEM FOR RESONANT CIRCUIT OSCILLATORS
Wolf J. Gruen, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application June 10, 1949, Serial No. 98,347
7 Claims. (Cl. 178—69.5)



6. In a television receiver, the combination of, a source of synchronizing pulses, a resonant circuit, a first electron discharge device having at least a cathode, a control electrode and an anode, means including said cathode, said control electrode and said anode for producing oscillations in said resonant circuit of a frequency substantially equal to the frequency of said synchronizing pulses, means for maintaining said produced oscillations in substantially fixed phase relation with respect to said synchronizing pulses comprising, a second electron discharge device having at least a cathode, an input electrode and an output electrode, said output electrode and cathode of said second device being connected across said resonant circuit so as to render said second device conductive in response to said oscillations over a substantial portion of the oscillation cycle thereof, means for connecting said source of synchronizing pulses between said input electrode and cathode of said second device in such polarity that said second device is rendered non-conductive in accordance with said synchronizing pulses, and means for deriving from the anode of said first device a scanning wave suitable for effecting a scanning operation in the receiver.

2,585,930
SYNCHRONIZING SYSTEM
Wolf J. Gruen, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application September 28, 1949, Serial No. 118,334
8 Claims. (Cl. 178—69.5)

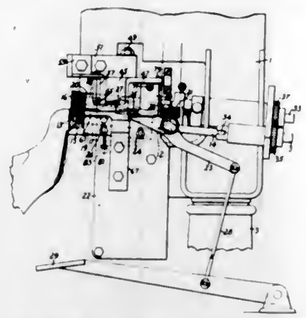


1. In a television receiver provided with a resonant-circuit scanning oscillator having a predetermined natural frequency of oscillation and adapted to be synchronized with synchronizing signals consisting of periodically recurring pulses of short time duration compared to the recurrence interval thereof and subject to spurious pulses of a similar nature, means for deriving pulses from said oscillator which are of relatively short time duration compared to the recurrence interval thereof and having fixed phase relation to the cycles of its oscillations, means for combining said synchronizing pulses and said oscillator pulses to obtain a periodic pulse wave the fundamental frequency energy content of which varies in accordance with variations in the phase relation of said synchronizing pulses and said oscillator pulses, and means for impressing said periodic wave on said resonant circuit in polarity to vary the frequency of said oscillator, in accordance with the fundamental frequency energy content of said periodic wave, so as to oppose changes in said phase relation.

2,585,931
MACHINE FOR SLITTING THE MARGINS OF SHOE UPPERS
Jesse Gudger, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 21, 1951, Serial No. 222,199
In Great Britain May 9, 1950
11 Claims. (Cl. 12—51)

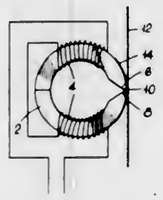
1. In a machine for slitting the margins of shoe uppers, means for engaging the margin of the toe end of the previously pulled-over upper of a shoe mounted on a last and for feeding the margin of the upper intermittently in a direction lengthwise of its edge while similarly moving the last, a knife mounted to move intermittently

in a path extending generally lengthwise of the edge of the portion of the upper engaged by said feeding means to slit the margin of the upper obliquely from one side thereof to the other side



between successive feeding movements thereof, and a shoe rest arranged to engage the bottom of the toe end of the shoe to position the margin of the toe end of the upper relatively to the path of movement of said knife.

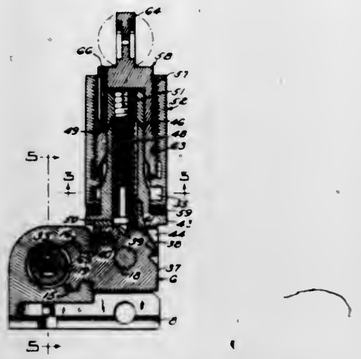
2,585,932
DEVICE FOR REDUCING NOISE IN MAGNETIC RECORDING SYSTEMS
Donald G. C. Hare, Stamford, Conn., assignor to Magnetic Equipment, Inc., Greenwich, Conn., a corporation of Delaware
Application July 29, 1948, Serial No. 41,221
2 Claims. (Cl. 179—100.2)



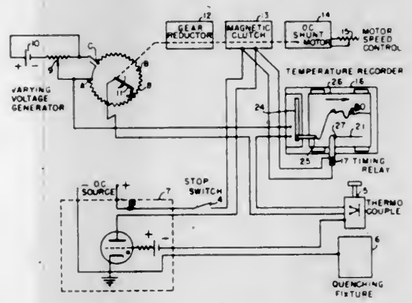
1. A transducing device for magnetic sound recording and reproducing systems comprising a core having pole faces separated by a gap for flux interlinkage with a magnetic signal carrier and a permanent anti-friction film of material of low magnetic permeability on the record contacting surfaces of the pole faces and bridging the gap therebetween.

2,585,933
ADJUSTABLE REAR SIGHT FOR FIREARMS
Earle M. Harvey, Agawam, Mass., assignor to the United States of America as represented by the Secretary of War
Application December 8, 1949, Serial No. 131,881
7 Claims. (Cl. 33—55)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A firearm sight comprising, a base member, means for fixedly mounting said base member to the firearm, a windage slide member movable transversely of said base member, an elevation post pivotally secured to said windage slide, means for latching said post in an upright vertical position relative to said base member, an aperture member slidably engaged with said post during a predetermined amount of vertical aperture movement, a ring-like peep sight portion extending upwardly from said aperture member and arranged to be disposed with its peripheral edge transverse to the longitudinal axis of the firearm, means for actuating said aperture member vertically up to and beyond the point of disengagement from said post whereby said aperture member is free to rotate relative thereto while still engaged with said actuating means, and means on said post for reengaging said aperture member after 90° rotation thereof whereupon said peep sight is disposed with its peripheral edge parallel to the longitudinal axis of the firearm thereby forming a blade type sight.



2,585,934
APPARATUS FOR MEASURING RAPID COOLING RATES
Walter T. Haswell, Jr., United States Navy
Application February 12, 1947, Serial No. 727,982
6 Claims. (Cl. 73—359)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A system for recording large and rapid temperature variations comprising in combination, a thermocouple, a temperature recording device responsive to the output of said thermocouple, a variable voltage generating means including a motor driven rotatable potentiometer operative to produce a varying voltage signal which is substantially complementary to the output voltage variation of said thermocouple in response to a particular temperature variation, said voltage signal being introduced in series aiding with the output of said thermocouple to said recording device, whereby said temperature recording device operates responsive to the difference in voltage variation between said thermocouple and voltage generating means.

2,585,935

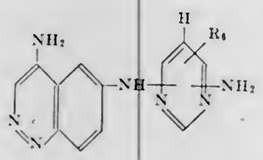
QUATERNARY SALTS OF PYRIMIDYLAMINO-CINNOLINES AND PROCESS OF PREPARING SAME

Walter Hepworth, Blackley, Manchester, England, and Francis Henry Swinden Curd, deceased, late of Blackley, Manchester, England, by Muriel Ruth Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 3, 1949, Serial No. 125,375. In Great Britain November 5, 1948

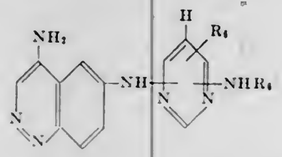
12 Claims. (Cl. 260—250)

5. As new compounds, the quaternary salts of the cinnoline derivatives of the general formula



wherein R_6 is a lower alkyl group.

6. As new compounds, the quaternary salts of the cinnoline derivatives of the general formula



wherein R_6 and R_8 are lower alkyl groups.

2,585,936

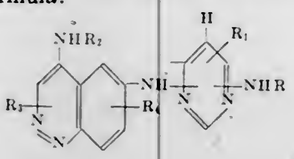
PROCESS FOR THE MANUFACTURE OF DIQUATERNARY SALTS OF PYRIMIDYLAMINOCINNOLINES

Walter Hepworth, Blackley, Manchester, England, and Francis Henry Swinden Curd, deceased, late of Blackley, Manchester, England, by Muriel Ruth Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 3, 1949, Serial No. 125,376. In Great Britain November 5, 1948

5 Claims. (Cl. 260—250)

1. A process for the manufacture of diquaternary salts of pyrimidylaminocinnolines of the general formula:



wherein R_1 is a radical from the group consisting of lower alkyl and —NHR; R and R_2 are radicals from the group consisting of hydrogen and lower alkyl; and R_3 and R_4 are radicals from the group consisting of hydrogen and lower alkyl, which comprises reacting a cinnoline derivative from the group consisting of compounds of the general formula above given and the monoquaternary salts thereof with a quaternary salt forming agent.

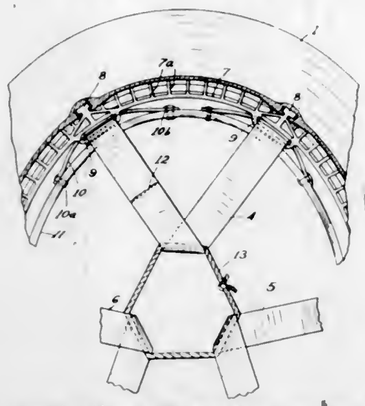
2,585,937

SAFETY HAT

Gerald C. Johnson, Bronxville, and Albert A. Perelman, Brooklyn, N. Y., assignors to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania

Application August 1, 1949, Serial No. 107,868

3 Claims. (Cl. 2—3)



1. In combination with a safety helmet, a cradle assembly comprising shock-cushioning means, said shock-cushioning means including a protective ring of resilient material having circumferentially spaced, radially extending elements, and wedge-like portions adjacent said elements and extending radially outwardly of said ring, correspondingly shaped wedge-like grooves formed in the crown portion of the helmet to provide a readily detachable wedge connection between the cradle assembly and helmet crown portion, a sweat band having a plurality of band supporting straps disposed along the outer surface thereof, at least one end of said straps being detachably secured to the sweat band and the central portions of which are adapted to be supported by straps extending radially and from the bottom of said protective ring.

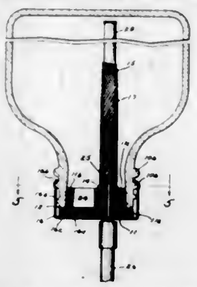
2,585,938

BOTTLE SEAL AND FILTER

Lawrence W. Jordan, Bay Village, Ohio

Application May 11, 1949, Serial No. 92,583

2 Claims. (Cl. 128—272)



1. In apparatus for the storage and transfusion of blood including a container having a single opening and a stopper for completely sealing said opening, the combination therewith of a stopper of resilient material such as rubber having a wall extending uninterruptedly across said opening, said wall being of a thickness and hardness adapted to be penetrated by a needle and self-sealing when the needle is withdrawn, a hollow filter having a closed end inside of the container and having an open mouth sealed around its periphery to the inner face of said wall, indicia on the outer face of said wall registering with said open mouth, means for venting the container when the contents are removed, there being a recess on the inner face of said wall laterally spaced from said filter and independent of said venting means, and said recess communicating directly with the interior of said container near the stopper whereby said container may be filled in a sterile manner by inserting a needle through said wall into said recess, and said container may be emptied in a sterile manner by inserting a needle through said wall into the open mouth of said filter.

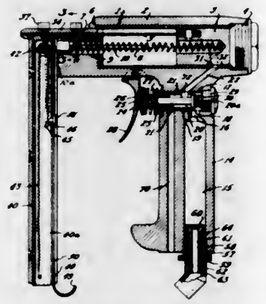
2,585,939

STAPLE DRIVING MEANS FOR PORTABLE PNEUMATIC STAPLERS

Albert G. Juilfs, Newtown, Ohio, assignor to Senco Products, Inc., Cincinnati, Ohio, a corporation of Ohio

Application August 23, 1950, Serial No. 181,025

12 Claims. (Cl. 1—49)



1. In a portable pneumatic stapler, staple drive mechanism comprising a cylinder and cylinder head, a piston in said cylinder, means to admit compressed air into said cylinder near said head and behind said piston, a staple driver secured to said piston, said driver comprising a flat plate pinned to said piston, nose structure for said stapler having a slot therethrough adapted to receive said staple driver, means to feed staples into said slot ahead of said driver when said piston is against said head, means to cushion the driving stroke of the piston comprising an outlet vent located towards that end of said cylinder which is opposite said cylinder head and which outlet vent is closed before the end of the driving stroke, the stapler being substantially closed to the passage of air moved by said piston after said outlet vent is closed, and means to return said piston to said cylinder head when the supply of compressed air is cut off.

2,585,940

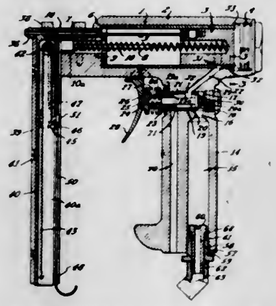
VALVE CONTROL SYSTEM FOR PORTABLE PNEUMATIC STAPLERS

Albert G. Juilfs, Newtown, Ohio, assignor to Senco Products, Inc., Cincinnati, Ohio, a corporation of Ohio

Application August 23, 1950, Serial No. 181,026

3 Claims. (Cl. 121—38)

3. In a portable pneumatic stapler having a staple driver actuated by a piston located within a cylinder and driven by compressed air and having a cylinder head and means normally holding said piston against said head and an air port in said cylinder; a valve for controlling the flow of compressed air to said air port, said valve comprising a tube positioned in said stapler and having an opening which communicates with said air port, a member slideable in one end of said tube, an exhaust port in said tube between said one end and said opening, inward movement of said member serving to block said exhaust port, a first spring opposing inward movement of said member, said first spring substantially surrounding said member, a valve rod having a sliding fit within a bore provided in said member, said valve rod extending within said tube, a second spring seated within said bore and bearing against one end of said valve rod, the other end of said valve rod carrying a valve member, and a third spring urging said valve member to seat against the other end of said tube whereby compressed air is normally prevented from entering said tube and said opening, said third spring



being somewhat weaker than said second spring, the combined force of said third spring and of the incoming compressed air normally being sufficient to hold said valve member in seated position until said exhaust port is blocked and said second spring so compressed by inward movement of said member that said combined force is overcome and said valve member unseated a slight bit, some compressed air then passing into said tube and continuing through said opening and into said air port where it meets the resistance of said piston whereby air pressure then builds up within said tube, the valve member being suddenly moved to its full unseated position by the action of said compressed second spring when the air so built up in said tube has sufficiently counterbalanced the pressure of the incoming compressed air.

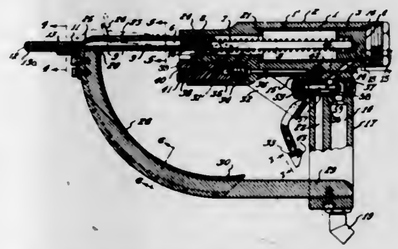
2,585,941

STAPLE MAGAZINE AND FEED MEANS FOR PNEUMATIC STAPLERS

Albert G. Juilfs, Newtown, Ohio, assignor to Senco Products, Inc., Cincinnati, Ohio, a corporation of Ohio

Application November 23, 1949, Serial No. 128,941

5 Claims. (Cl. 1—49)



1. In a portable stapler having a staple driver operating in a slot to drive a staple positioned

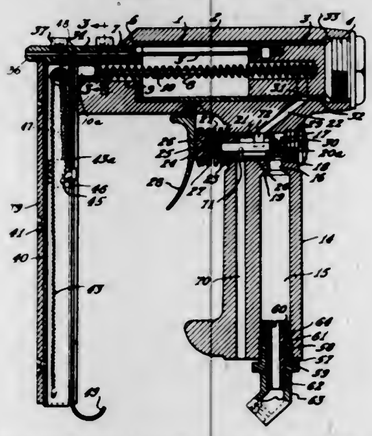
therein, a staple feeder comprising a staple carrying track one end of which discharges staples successively into said slot, said track conforming to a portion of the circumference of a circle, a staple arm radially projecting inwardly from said circumference and pivoted about a center located in said stapler, and means resiliently urging said radial arm around said circumferential track and forcing said staples on said track into said slot, said means comprising a member slidable in a portion of said stapler, means connecting said arm to said member, and means for sliding said member in said stapler portion whereby said arm is urged around said track.

2,585,942

STAPLE FEED MECHANISM FOR PORTABLE PNEUMATIC STAPLERS

Albert G. Juilfs, Newtown, Ohio, assignor to Senco Products, Inc., Cincinnati, Ohio, a corporation of Ohio

Application August 23, 1950, Serial No. 181,024
3 Claims. (Cl. 1—49)



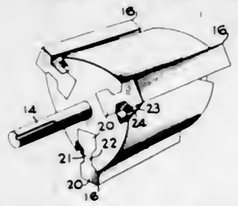
1. In a portable pneumatic stapler having pneumatically driven means for driving a staple into a piece of work, a staple feed mechanism for positioning a staple before said staple driving means, said staple feed mechanism comprising: an elongated channel member having upstanding sides and being open at the top, a spring lying within said channel member, one end of said spring being fixed near one end of said channel member, a staple follower adapted to straddle said upstanding sides and bridging said open top, said follower riding on said upstanding sides behind a supply of staples, a pin depending from said follower, said spring being looped around a member positioned near the other end of said channel member, the other end of said spring being fixed to said pin, a cover positioned above said open top and slidable thereover, said cover having a slot, and a boss on said follower adapted to engage in said slot, whereby said follower may move on said channel member under the tension of said spring, said cover protecting said follower and said staples; a second channel member generally corresponding to said first mentioned channel member, said first channel member being fixed within said second channel member, said second channel member having upstanding sides spaced from and substantially parallel to said first mentioned upstanding sides, whereby said follower and said staples straddle said first mentioned sides only, said second channel member serving as a guard for said follower and said staples; said second mentioned upstanding sides being provided with slots in which said slotted cover is slidably positioned; said cover being provided with indentations along one of its edges, a catch member positioned within an opening provided in said second channel member, a plug in said opening, a spring between said plug and said catch member, an abutment fixing the extent of movement of said catch member by said spring, said catch member normally extending into one of the slots provided for said cover in said second upstanding sides whereby it engages within a said indentation, and a boss on said catch member, said boss extending through said abutment, whereby depressing said boss moves said catch member against said spring and out of engagement with said indentation to permit movement of said cover within said slots.

2,585,943

IMPACT ROTOR FOR STONE BREAKERS

Lee H. Kessler, Springville, N. Y., assignor of one-fourth to Harriet F. Derrick, one-fourth to Norman H. Kessler and one-fourth to Nellie H. Kessler, all of Springville, N. Y.

Original application March 1, 1943, Serial No. 492,980. Divided and this application January 27, 1949, Serial No. 73,167
1 Claim. (Cl. 241—191)



An impact rotor, comprising a body having longitudinal grooves in the periphery thereof, rotor blades detachably fitted in said grooves substantially radially of the rotor and having impact heads on its opposite longitudinal faces with a straight-sided connecting web therebetween defining laterally inclined shoulders, said grooves being substantially of the same cross section as said blades to slidably receive and retain them against radial displacement with one of the heads projecting beyond the rotor-periphery, the opposite ends of the rotor adjoining one side of the web-receiving portion of each groove having endwise-opening inwardly-tapering recesses in lateral communication therewith, and clamping members having tapered outer faces detachably fitted in opposing relation in said recesses for wedging contact along their outer faces with the companion tapered portions of the recesses and for bearing contact along their inner and bottom faces with the adjoining straight and inclined faces of the web and inner head portion, respectively, of the companion blade for resisting its radial and endwise displacement.

2,585,944

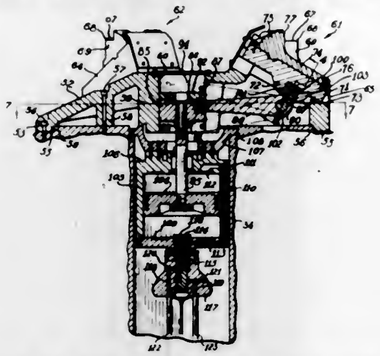
WORK HOLDING MEANS

Edward W. Kroeger and Jesse Daugherty, Cincinnati, Ohio, assignors, by mesne assignments, to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis., a corporation of Wisconsin

Application March 4, 1947, Serial No. 732,172
9 Claims. (Cl. 279—4)

4. In a device of the class described, a body member, a plurality of work supports angularly spaced on said body member about the axis

thereof with said supports in a plane substantially normal to the body member axis, a clamping jaw associated with each work support, means on said body member for supporting said clamping jaws for movement through planes angularly related to the body member axis and to the plane of the work supports, an oscillatable bell crank having a short arm and a long arm for each jaw with said bell cranks each having the short arm connected to its jaw, means cen-



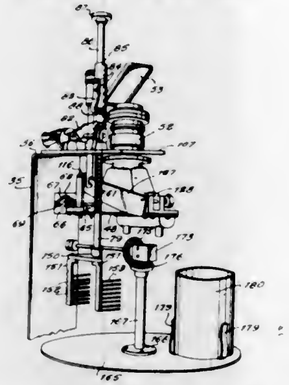
trally of the body member operatively connected with the long arm of each bell crank for simultaneously oscillating the same whereby the jaws are simultaneously operated to centralize the work on the work supports relative to the body member prior to the clamping thereof, and surface piercing teeth on each jaw for digging or biting into the work to effect a clamping operation with said biting or digging teeth penetrating the work appreciably below the surface thereof and effecting a clamping of the work on the work supports.

2,585,945

MANUALLY CONTROLLED PHOTOGRAPHIC EXPOSING, DEVELOPING, AND FIXING DEVICE

Torrance R. Laing, New York, N. Y.; Matilde E. Krause executrix of said Torrance R. Laing, deceased

Application November 7, 1947, Serial No. 784,657
7 Claims. (Cl. 95—13)



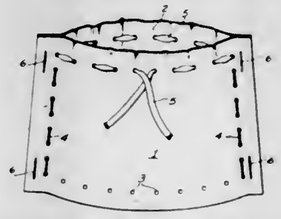
1. In a photographic exposing, developing and printing device of the type comprising a light tight container, a removable light tight sub-container for receiving a roll of continuous photographic sensitive strip material, a camera device having a focal plane back portion slotted at each side to receive said strip material, rollers to advance said strip material a frame at a time, the combination therewith of holders to receive said frames after exposure, a cutter to cut said frames after exposure and liquid containers to process said frames to develop and fix the photographic image thereon, said holders being formed of a bank of spring fingers arranged to grasp the frames before cutting and a vertical support for said holders carrying pairs of spring fingers forming said holders in a closely spaced parallel arrangement, one pair above the other, each pair of spring fingers receiving a cut exposed sheet of photographic sensitive strip material, and means to move said support in steps after each exposure and after each pair of spring fingers has received an exposed cut piece of strip material, said last-mentioned means including a ratchet and rack arrangement.

2,585,946

CHILD'S SEWING KIT

Ada Liberman, Seattle Wash.; now by change of name Loretta Liberman

Application April 26, 1949, Serial No. 89,700
4 Claims. (Cl. 35—15)



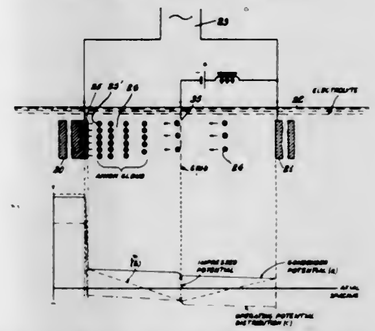
1. A child's sewing kit blank comprising, in overlying registry, front and back panels of limp material, of similar shapes and having corresponding marginal rows of holes adapted to receive threadlike material therethrough to sew said panels together, and means spaced from such holes and interconnecting said panels to hold them together with said holes in registry.

2,585,947

ELECTROLYTIC CONDENSER FOR ALTERNATING CURRENT POWER CIRCUITS AND METHOD OF OPERATING THE SAME

Julius Edgar Lilienfeld, St. Thomas, V. I.

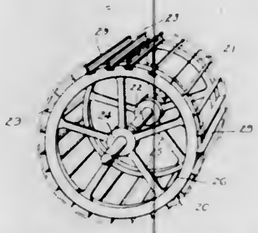
Application February 3, 1949, Serial No. 74,274
25 Claims. (Cl. 175—315)



1. The method of operating an electrolytic condenser having a filmed and a non-filmed electrode, which includes applying an oscillating voltage to said electrodes establishing in the electrolyte during a predeterminedly controllable interval within the cycle of the oscillating voltage, intermediate the condenser electrodes and

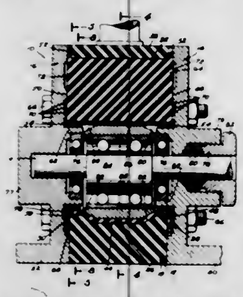
across substantially the total area of the cross-section of the condenser current flow, a potential negative relative to that produced at said area by the said flow by applying an auxiliary voltage to said area of the electrolyte acting to cause a controlled current flow.

2,585,948
REEL
Cyril A. Litzler, Cleveland, Ohio
Application March 5, 1947, Serial No. 732,419
17 Claims. (Cl. 28—71.6)



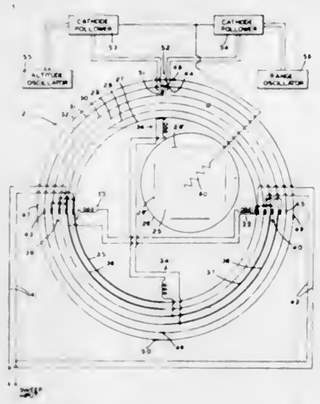
1. A reel bar for supporting a plurality of strands peripherally about a reel and in spaced relation to each other, said bar having external spaced grooves extending around the bar, at least certain of said grooves being adapted to receive and support such strands in any rotational angular position of the bar, at least certain of said grooves comprising screw threads, and means associated with said reel and coacting with said bar for supporting said bar whereby upon rotation of said bar new strand supporting surfaces are progressively brought into strand supporting position at points progressively advancing in an axial direction and means for locking said bar against rotation relative to the reel.

2,585,949
PUMP
John George MacCormack, New York, N. Y., assignor to Vanton Pump Corporation, New York, N. Y., a corporation
Application August 17, 1949, Serial No. 110,685
5 Claims. (Cl. 103—149)



1. A pump comprising a casing having an inlet and an outlet, said casing having a hollow body provided with an inner cylindrical surface, means including a flexible and resilient member having integral ribs secured in said casing and defining with said surface of the casing a fluid passage extending circumferentially of said surface from said inlet to said outlet, a rotor mounted for rotation in said casing about an axis eccentric to the axis of said cylindrical surface, movable pressure-applying means operated by said rotor and operable on said resilient member to progressively press said resilient member against said surface of the casing circumferentially thereof in a direction from said inlet to said outlet during the rotation of said rotor, said casing having opposite side walls, rigid coupling members which interfit with said ribs, said opposite side walls of said casing having recesses adapted to receive said ribs and said coupling members, and means engaging said side walls and pressing said ribs and said coupling members into said recesses for closing said passage at the opposite circumferentially extending side edges thereof.

2,585,950
RANGE-HEIGHT INDICATOR
Joseph J. Malin, Kulpmont, Pa.
Application March 6, 1943, Serial No. 478,192
8 Claims. (Cl. 343—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

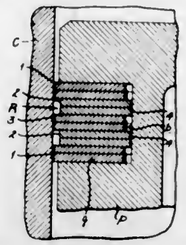


1. In a system for object detection, means for determining the horizontal range and/or the altitude of an object with respect to a known site comprising, a cathode ray tube, means for radially sweeping the electron beam of said tube and rotating the resulting sweep about a given point on the screen of said tube, means for confining the rotation of said sweep to a given sector of the screen of said tube, means for generating calibration markers for impression upon said sweep, and means to confine the period of operation of said marker-generating means to coincidence between said rotating sweep and at least one of the limits of said sector.

2,585,951
FOOD PRODUCT FROM WHEY
James P. Malkames, Jr., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application January 30, 1951, Serial No. 208,647
2 Claims. (Cl. 99—116)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

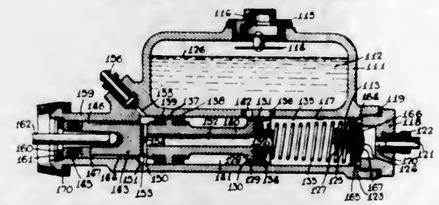
2. A process for preparing a palatable food comprising digesting precipitated whey curd in admixture with protease and about one to two percent of salt, based upon the curd, at about 20°–50° C. for about 15 minutes to 24 hours, until the degree of digestion falls within the range of 0.10% to 0.20% of amino nitrogen (formol titration) in the solids-not-fat, and then inactivating the enzyme, said protease being a lactalbumin digesting protease of fungal origin.

2,585,952
PISTON PACKING RING
Melvin W. Marien, St. Louis, Mo., assignor, by mesne assignments, to Ramsey Corporation, a corporation of Ohio
Application February 23, 1950, Serial No. 145,609
9 Claims. (Cl. 309—43)



1. In combination with an engine cylinder having a piston therein, said piston having a piston ring groove, a piston packing ring in said groove, said ring comprising a plurality of spring elements each of which is coiled in a plurality of turns from a flat ribbon of steel, said elements exerting radial pressure alternately against the wall of the cylinder and the bottom of the ring groove.

2,585,953
FLUID PRESSURE PRODUCING DEVICE
Gustav Mattersdorf, New York, N. Y.
Application August 9, 1946, Serial No. 689,606
15 Claims. (Cl. 60—54.6)

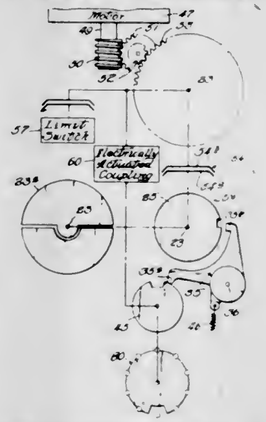


1. A fluid pressure producing device comprising a cylinder member, a piston reciprocable therein having a pair of spaced heads forming with said cylinder member a pair of pressure chambers at opposite ends of the piston and an intermediate chamber between the heads in communication with a fluid supply source, actuating means for the piston including a piston rod extending through one of said pressure chambers, passage means connecting the pressure chambers and providing constant fluid communication between them, pressure responsive means for by-passing fluid in one direction past one of said heads, sealing means to prevent passage of fluid in either direction past the other of said heads, and a discharge port for one of said pressure chambers.

2,585,954
RECOVERY OF STEROLS
Morris Mattikow and David Perlman, New York, N. Y.
No Drawing. Application October 10, 1949, Serial No. 120,602
8 Claims. (Cl. 260—397.2)

1. The method of recovering sterols from vegetable oil phosphatidic material, which comprises, treating said material with an excess of a strong non-oxidizing acid in a lower aliphatic alcohol containing not more than 5 carbon atoms and at a temperature between approximately 64° C. and 150° C. for sufficient time to decompose the phosphatides of said phosphatidic material and liberate substantially all of the sterols, the amount of alcohol being sufficient to dissolve the resulting products at said temperature, thereafter cooling the resulting solution to a temperature between approximately 0° and 20° C. to cause crystallization of crystals of said sterols, and separating said crystals from the cooled solution.

2,585,955
SHAFT POSITIONING DEVICE
Richard W. May, Cedar Rapids, Iowa, assignor to Collins Radio Company, a corporation of Iowa
Application January 5, 1946, Serial No. 639,198
11 Claims. (Cl. 192—142)

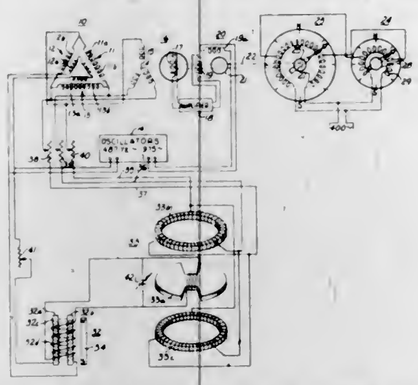


1. Apparatus of the character described for positioning a rotatable shaft, including: drive means adapted to rotate the shaft, this means being operable in one direction only; a plurality of stop combinations, each such combination being adapted to stop the shaft at a predetermined point; selecting means for rendering operative a desired one of said stop combinations, this means including rotatable means comprising a selector switch and selector cam means both adapted to be rotated by said drive means; and coupling means connected electrically to said selector switch for connecting said rotatable means to and disconnecting it from said drive means, at least the disconnecting operation of said coupling means being effected as a function of the position of said selector switch.

2,585,956
MOTION TRANSMISSION SYSTEM
Thomas O'Connell McCarthy, Pawling, N. Y.
Original application May 13, 1944, Serial No. 535,529. Divided and this application January 6, 1949, Serial No. 69,546
4 Claims. (Cl. 33—224)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

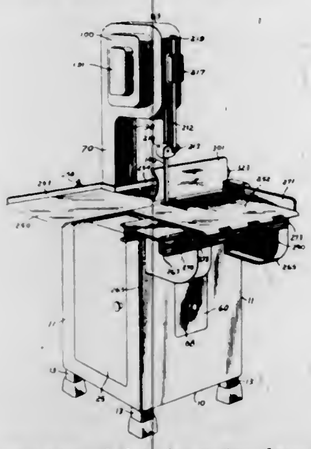
1. An earth-inductor-compass system comprising, a flux-gate having a plurality of interconnected flux-gate legs, each leg having primary and secondary windings thereon, electrical indicator means connected to the output of the flux-gate secondary windings for indicating azimuthal position of said flux-gate, a control transformer comprising a primary winding and a pair of relatively adjustable secondary wind-

ings having a common output, an oscillator having a pair of outputs, one of said outputs being at a frequency double that of the other output, means connecting the lower frequency output to the primary windings of said flux-gate, means



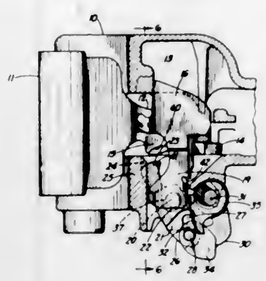
connecting the higher frequency output to the primary winding of said control transformer, and means connecting the output of said secondary windings of said control transformer to the output of the flux-gate secondary windings.

2,585,957
MEAT SAW WITH CLEANING AND SCRAP COLLECTING APPARATUS
David A. Meeker, Gerald B. Fox, and Burton E. Sullenberger, Troy, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application February 20, 1946, Serial No. 648,898
10 Claims. (Cl. 143—157)



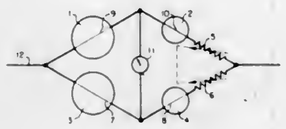
1. A meat saw of the character described comprising a base, a lower band wheel in said base, a pedestal supported in said base, said pedestal having a relatively narrow column and an upper overhanging head portion supported thereon, an upper band wheel rotatably mounted in said head portion, a band saw encircling said band wheels and having one flight exposed for cutting purposes and the other flight extending through and enclosed by said column, a trough member in said column for enclosing said other flight of said band saw for collecting material therefrom, and means for removably mounting said trough member in said column for cleaning purposes.

2,585,958
CAR COUPLER
William J. Metzger, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application June 26, 1946, Serial No. 679,369
12 Claims. (Cl. 213—146)



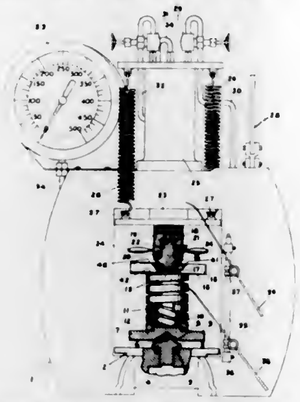
1. In a car coupler a knuckle having a tail, a vertically movable lock having a downwardly extending leg, a rotor lever pivoted to the coupler, a link member having a pair of spaced slots, said link having a portion extending above said slots adapted to engage the underside of said tail to limit upward movement of said lock, pivot means on said lever received in one of said slots for operatively connecting said link to said lever, said leg having a trunnion extending into the other of said slots, said link being adapted to rotate about said trunnion at one end of said slot in response to initial rotation of said lever to move said portion partly from beneath said tail, said link being movable to a position in which said trunnion is in the other end of said slot to withdraw said portion entirely from beneath said tail upon further rotation of said lever.

2,585,959
THERMAL CONDUCTIVITY BRIDGE FOR GAS ANALYSIS
Clarke C. Minter, Washington, D. C., assignor to Minter Instrument Corporation, New York, N. Y., a corporation of New York
Application January 24, 1949, Serial No. 72,463
7 Claims. (Cl. 73—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



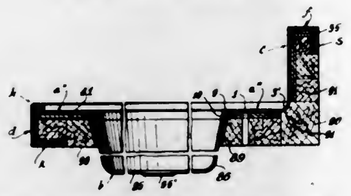
1. In apparatus for the analysis of gases by the thermal conductivity method, a block provided with a pair of holes of given diameter and a pair of holes of smaller diameter, four filaments of substantially equal size each disposed in a respective one of said holes, a pair of variable resistors each electrically in series with a filament disposed in one of said smaller holes and a pair of wires each connecting a filament disposed in a said smaller hole to a filament disposed in a said larger hole.

2,585,960
METHOD AND APPARATUS FOR TESTING SPRINGS
John A. Nodson, Vallejo, Calif.
Application January 5, 1946, Serial No. 639,391
7 Claims. (Cl. 73—161)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



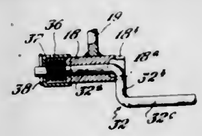
6. A device for compression testing of springs comprising a base member, a thrust bearing mounted in said base member, a live center mounted in said thrust bearing for rotation relative to said base member and about the axis of compression of a spring while said spring is under compression, a bearing plate for contact with one end of the spring and mounted on said live center for universal angular movement relative thereto; a compression head, a second thrust bearing mounted in said compression head, a second live center mounted in said second thrust bearing for rotation relative to said compression head and about the axis of compression of said spring while said spring is under compression, a second bearing plate for contact with the opposite end of the spring and mounted to bear against the second live center for universal angular movement relative thereto, whereby said spring while under compression can rotate freely about its axis of compression and both of its ends can simultaneously be displaced from perpendicularity to the axis of compression.

2,585,961
METHOD OF MAKING METAL-CLAD COUNTER TOPS
Glenn H. Norquist, Jamestown, N. Y.
Application February 10, 1947, Serial No. 727,585
4 Claims. (Cl. 29—148)



1. In the construction of metal clad counter tops having a table part and a splash part, the steps which include, providing a fibrous backing panel, notching out the corners of the backing panel, cutting spaced open grooves in said backing panel separated by uncut neck portions to define the table backing section, apron backing sections and splash backing section thereof, bonding said backing panel to a metal facing sheet so that the table backing section, apron backing sections and splash backing section will register with the corresponding table facing section, apron facing sections and splash facing section of the metal sheet, removing the neck portions from the backing panel to provide continuous open grooves between the adjacent longitudinal edges of said backing sections, offsetting those portions of the metal sheet extending between the adjacent edges of said table backing section and apron backing sections in a manner to give the desired upraised rim formation to the otherwise flat metal facing sheet, and shaping said metal clad apron sections and splash section in position to extend substantially at right angles to the metal clad table section.

2,585,962
THREAD GUIDE
Winthrop L. Perry, Wilton, N. H., assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H., a corporation of New Hampshire
Application December 24, 1949, Serial No. 134,997
1 Claim. (Cl. 242—157)

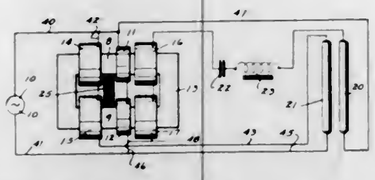


A strand guide for textile machines comprising an arm and a mounting therefor, the arm being rotatable about its axis and longitudinally movable in the mounting, the arm being bent to provide a laterally extending portion and a longitudinally extending offset outer portion, such outer portion having thereon an eye having a central passage for a whirling strand, the mounting having recesses to receive the laterally extending portion of the arm in two positions of the arm to index the eye in two positions approximately 180° apart, and a spring biasing the arm to urge the laterally extending portion thereof to seat in one or the other of said recesses, the arm being releasable from such seating by longitudinal shifting in opposition to said spring and being rotatable about its axis from one such position to the other while under the biasing force of the spring, so that upon approximately 180° rotation of the arm from one of such positions, the spring then seats the arm in said other position, the eye being self-threading as to clockwise whirling thread in one of said positions and being self-threading as to counterclockwise whirling thread in the other of said positions.

2,585,963
APPARATUS FOR AND SYSTEM OF GASEOUS TUBE LIGHTING
Percival K. Ranney, Lakewood, Ohio
Application February 5, 1945, Serial No. 576,251
2 Claims. (Cl. 315—278)

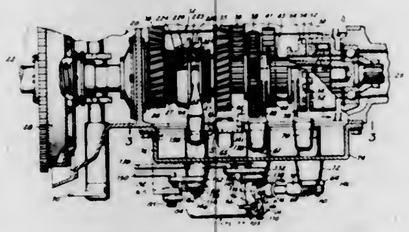
1. An illuminating system comprising in combination, a transformer having a magnetic core, a primary winding and two secondary windings mounted on said core, a source of alternating current power connected across the primary winding, the primary winding being disposed between the secondary windings, magnetic shunt means disposed between the primary winding and one of the the secondary windings to the exclu-

sion of the other secondary winding, a gas discharge tube in circuit with the secondary winding adjacent the shunt means, a second gas discharge tube in circuit with the other secondary



winding, the last-mentioned circuit including a condenser and a choke coil connected in series, and each of said secondary windings being connected additively to the primary winding at opposite ends of the primary winding.

2,585,964
AUTOMOTIVE VARIABLE-SPEED AND DRIVE POWER TRANSMISSION
Glenn T. Randol, St. Louis, Mo.
Application October 4, 1946, Serial No. 701,193
17 Claims. (Cl. 74—340)

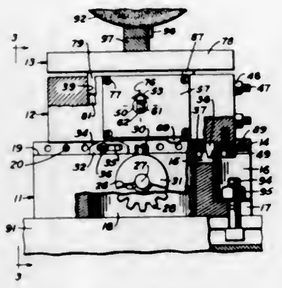


1. Controlling means for a power drive system of the variety including a prime mover, a friction clutch, and a change-speed gear transmission incorporating torque transmitting elements shiftable to vary the effective ratio of the drive through the transmission, and including supplemental clutching means for interrupting the drive through the transmission in at least one direction, said system also including shifting means for said shiftable elements movable to and from driving and neutral positions, said controlling means comprising lock-up means for said supplemental clutching means normally maintaining a positive two-directional drive therethrough, a controller directly connected to and responsive to initial movement of the shifting means away from driving position for inactivating said lock-up means.

2,585,965
IODINE SOLUTION COMPRISING AN OXIDATION-REDUCTION SYSTEM
Anthony J. Salle, West Los Angeles, and Howard L. Guest, Glendale, Calif.
No Drawing. Application March 1, 1946, Serial No. 651,386
6 Claims. (Cl. 167—70)

1. A germicidal solution comprising iodine and a plurality of metallic salts constituting an "oxidation-reduction system," the metallic ion constituents of said salts being selected from the class consisting of iron and manganese and the negative ion constituents of said salts being selected from the class consisting of chlorides and sulfates.

2,585,966
CHIP BREAKER RELIEF GRINDING FIXTURE
Joseph J. Sanders, Philadelphia, Pa.
Application May 4, 1950, Serial No. 159,915
5 Claims. (Cl. 51—231)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



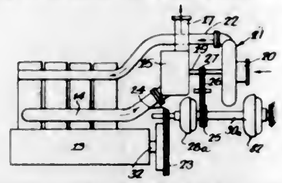
1. In a tool grinding fixture, the combination of a base, a carriage slidably mounted for reciprocatable movement across the face of said base, a tool supporting stage borne by said carriage for movement therewith but extensible therefrom on a line substantially perpendicular to the face of said base, cam-actuated means for extending said stage from said carriage, and means coacting with said cam-actuated means so that each time the carriage is reciprocated the stage is extended a predetermined small increment until a maximum is reached equivalent to the maximum thrust supplied by the cam.

2,585,967
WATER DISPERSIBLE DRY PREPARATIONS OF HARDENABLE BINDING AGENTS
Luzius Schibler, Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application February 17, 1948, Serial No. 9,026. In Switzerland March 21, 1947
9 Claims. (Cl. 260—6)

1. A composition of matter comprising a powder which consists of a water-insoluble hardenable condensate of (*a*) formaldehyde, (*b*) a hardenable aminoplasts-forming substance selected from the group consisting of urea, thiourea, guanidine, biuret, dicyandiamide and melamine, and (*c*) a substantially water-immiscible alcohol, a soluble protein product selected from the group consisting of a soluble caseinate, gelatine and fish glue and a hydrotropic carbamide selected from the group consisting of urea and thiourea, which composition upon mixing with water yields a homogeneous dispersion.

2,585,968
TURBOSUPERCHARGED INTERNAL-COMBUSTION ENGINE HAVING HYDRAULIC MEANS TO CONNECT TURBINE TO ENGINE OUTPUT SHAFT AT HIGH LOAD
Heinrich Schneider, Hamilton, Ohio, assignor to Schneider Brothers Company, Hamilton, Ohio, a copartnership
Application February 21, 1944, Serial No. 523,193
3 Claims. (Cl. 60—13)

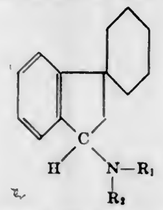
3. In combination with an internal combustion engine and an output shaft driven thereby, a supercharging device for said engine, an exhaust turbine-driven scavenging and supercharging blower, a hydraulic coupling for driving said blower from said engine at starting and at part load, and a hydraulic torque convertor for trans-



mitting excess power of the turbine to the output shaft at high load.

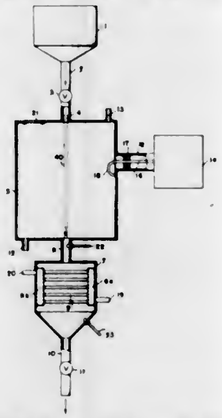
2,585,969
SPIROCYCLOHEXANES AND METHODS OF PREPARATION THEREOF
Louis H. Schwartzman and Gilbert Forrest Woods, Jr., Silver Spring, Md., assignors to Chemectron Corporation, Washington, D. C., a corporation of Delaware
No Drawing. Application March 20, 1950, Serial No. 150,808
4 Claims. (Cl. 260—576)

1. Spirocyclohexanes of the type:



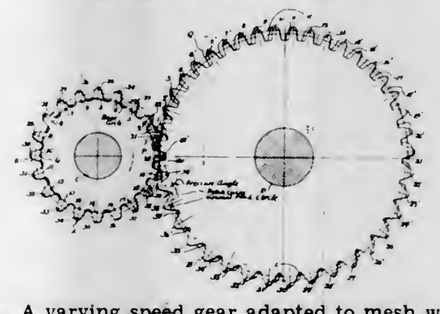
wherein R_1 and R_2 are selected from the group consisting of hydrogen and lower alkyl groups.

2,585,970
METHOD AND APPARATUS FOR HEATING FLUIDS
Thomas M. Shaw, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture
Application June 10, 1949, Serial No. 98,341
3 Claims. (Cl. 99—221)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A method of heating a liquid foodstuff which comprises passing the liquid foodstuff in a free-falling line stream, in the form of a narrow cylindrical pencil unconfined at its side boundaries, through a cylindrical cavity excited by and in resonance with a source of high-frequency electromagnetic waves, the line stream being passed through the cavity along a path coincident with the axis of the cavity, this path being coincident with the region in the cavity where the standing waves are substantially at constant maximum voltage, the electric field being parallel to said stream, the stream being thereby subjected throughout its passage to the maximum and uniform energy of the electric field existing in the cavity, the diameter of the stream being at least several times less than the diameter of the cavity, most of the space in the cavity being vacant of liquid material, and in which process the heated material is not permitted to accumulate in the cavity, being immediately removed from the cavity.

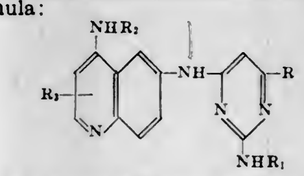
2,585,971
GEARING
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 11, 1946, Serial No. 702,724
30 Claims. (Cl. 74—462)



1. A varying speed gear adapted to mesh with a pinion of standard tooth form, said gear being rotatable about its center and having a circular outer periphery and a non-circular pitch curve, varying with respect to said circular outer periphery and being continuous across adjacent gear teeth.

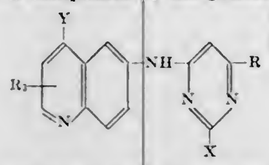
2,585,972
PROCESS FOR THE MANUFACTURE OF DIQUATERNARY SALTS OF PYRIMIDYLAMINOQUINOLINES
Gilbert Joseph Stacey, Henry William Thompson, and Charles Henry Vasey, Blackley, Manchester, England, and Francis Henry Swinden Curd, deceased, late of Blackley, Manchester, England, by Muriel Ruth Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 3, 1949, Serial No. 125,374. In Great Britain November 5, 1948
2 Claims. (Cl. 260—256.4)

1. Process for the manufacture of diquaternary salts of pyrimidylaminoquinolines having the general formula:



wherein R is a radical from the group consisting of lower alkyl and —NH alkyl; R_1 and R_2 are

radicals from the group consisting of hydrogen and lower alkyl without R_1 and R_2 both being simultaneously hydrogen atoms; and R_3 is a radical from the group consisting of hydrogen and lower alkyl, which comprises reacting a diquaternary salt of a compound of the general formula:



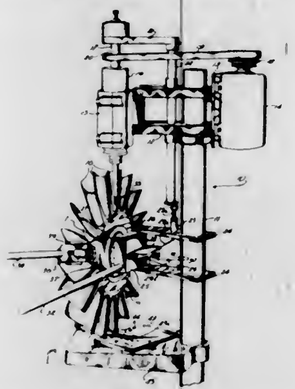
wherein one of the radicals X and Y is a radical from the group consisting of —S alkyl and —O alkyl, and the other is a radical from the group consisting of —S alkyl, —O alkyl, —NH_2 and —NH alkyl, and R and R_3 have the significance above indicated, with a compound from the group consisting of ammonia and lower mono-alkylamines.

2,585,973

MILLING MACHINE AND METHOD FOR IMPELLER WHEEL MANUFACTURE

Henry C. Stieglitz, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application April 1, 1948, Serial No. 18,464
11 Claims. (Cl. 90—20)



1. Apparatus for milling the hub portion of an impeller wheel lying between two radial vanes thereof comprising a frame, a rotary cutter journaled on said frame, means for rotating said cutter, a sub-frame pivotally mounted on said frame, means on said sub-frame for journaling an impeller wheel for rotative movements about its natural axis, said sub-frame being located relative to said cutter so that said cutter passes between two vanes of the impeller wheel by pivotal movement of said sub-frame, means for pivotally moving said sub-frame, and means for concurrently oscillating the wheel through a limited arc about its natural axis, whereby said rotary cutter traverses all of the hub portion of the impeller lying between the two vanes.

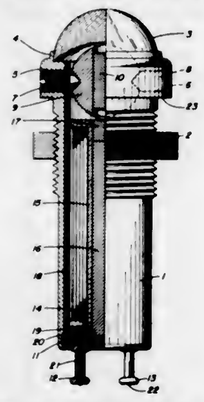
11. Apparatus adapted for milling the hub portion of an impeller wheel lying between two adjacent vanes radiating from the hub which comprises a work support for the wheel, a cutter support for holding a cut[illegible] tool to project into the space between the two adjacent vanes, means for rotating the cutter support to rotate the cutter tool about its own axis, first means for shifting the cutter support to move the cutter tool along its own axis for controlling the radial depth of the cutting path along the hub, second means for shifting the work support laterally of the axis of the cutter tool for controlling the axial cutting path along the hub, third means for oscillating the work support a plurality of times in a direction transverse to the movement imparted by said second means for controlling the cutting path along the width of the hub portion between said vanes, and means for automatically controlling said first means from said second means.

2,585,974

ELECTRICAL INDICATING DEVICE

John A. Taylor, Arlington, and Milton A. Knight, Clifton, Va.

Application April 3, 1950, Serial No. 153,684
9 Claims. (Cl. 177—329)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



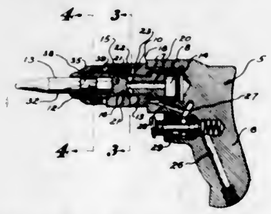
9. An on-off circuit indicator having a movable permanent magnet indicator element mounted for movement into operative and inoperative positions, a weak permanent magnet mounted adjacent to said element for normally holding it in inoperative position, and an electromagnetic coil wound about said weak permanent magnet and energized by closing a circuit for overcoming the effect of said weak permanent magnet and moving said element into operative position.

2,585,975

PNEUMATIC HAMMER

Jack E. Terry, North Royalton, Ohio, assignor, by mesne assignments, to The Bingham-Herbrand Corporation, Toledo, Ohio, a corporation of Ohio

Application August 18, 1947, Serial No. 769,132
2 Claims. (Cl. 121—17)



1. A pneumatic hammer comprising a barrel member having a bore therein and a cylinder at the inner end of the bore extending coaxially of the bore and being of greater diameter than the bore, said cylinder being closed at the end opposite the bore; a hammer piston in the bore and

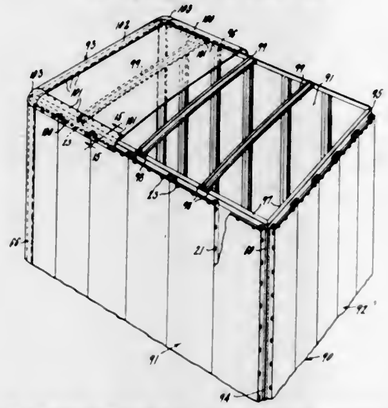
cylinder, said piston having a head closely fitting the walls of the cylinder and a shank closely fitting the walls of the bore, said piston being adapted to reciprocate in the barrel member to produce hammer strokes; an air inlet passage opening into the cylinder at a point spaced from the closed end of the cylinder whereby the piston head may reciprocate in the cylinder without closing said opening more than momentarily, said piston having a longitudinal bore therein extending from the end of the piston head surface facing the closed end of the cylinder to a point in the shank; air ports leading from the inner end of said longitudinal bore to the side surface of the shank portion of the piston, said ports in the side surface of said shank being located to be exposed to the interior of the cylinder when the piston approaches one extremity of its stroke in the direction of the closed end of the cylinder and to be closed by the walls of the bore when the piston is intermediate the extremities of its stroke; an exhaust passage leading from said bore and consisting of an annular groove in the walls of said bore and having one or more outlet passages extending from the groove to the atmosphere sufficient to exhaust said air through the piston exhaust port, said groove being located to be in registration with the opening in the side surface of said piston shank and being of approximately the same longitudinal length as said opening when the piston is in said opposite extremity of its stroke.

2,585,976

VEHICLE BODY

Byron Bentley Teeter, Brooklyn, N. Y.; Elsie T. Teeter executrix of said Byron Bentley Teeter, deceased

Application May 2, 1947, Serial No. 745,528
10 Claims. (Cl. 189—34)



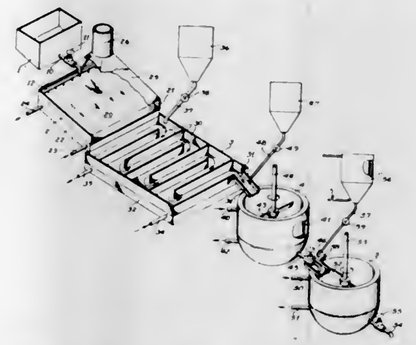
7. A panel joint of the character described comprising at least two metal panel sections, each panel section being provided with a substantially straight plate portion terminating in at least one profiled end member, each profiled end member being offset with respect to the respective plate portion and provided with a row of spaced slots having imperforated parts therebetween, each slot being defined by an edge, the slots of one end member being staggered with respect to the slots of the other end member, and weld means joining said panel sections together, said panel sections when placed with said profiled end members adjacent each other being united by said weld means whereby the latter fuse the edges of said slots of said end members with the respective imperforated parts thereof.

2,585,977

SULFITE LIQUOR TREATING PROCESSES AND PRODUCTS

Curt Uschmann, Lebanon, Oreg., assignor to Cascades Plywood Corporation, Portland, Oreg., a corporation of Delaware

Application October 13, 1947, Serial No. 779,465
20 Claims. (Cl. 260—17.2)



1. The method of treating waste sulfite liquor which comprises heating the liquor to its boiling point and thereby evaporating a substantial portion of the water therefrom, adding to the liquor caustic alkali, adding furfural to the alkalized liquor, and heating the liquid in the absence of phenolic bodies to its boiling point for at least five minutes.

2,585,978

METHOD OF STABILIZING RICE PRODUCTS

George R. Van Atta, Ernest B. Kester, and Harold S. Olcott, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application June 10, 1949, Serial No. 98,402
3 Claims. (Cl. 99—153)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for preparing stabilized brown rice which comprises subjecting rough rice in an undried condition to heated, moist gas at a temperature of from about 185° F. to about 212° F. for a period of time of from about ½ minute to about 15 minutes to blanch the rice, thereby to substantially inactivate the lipase present in the rice without cooking the rice, discoloring the kernel, or impairing the milling quality of the rice, drying the blanched rough rice at a temperature not in excess of about 110° F. to a moisture content of from about 10% to about 15%, and hulling the blanched, dried rough rice.

2,585,979

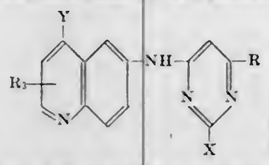
PROCESS FOR THE MANUFACTURE OF QUATERNARY SALTS OF PYRIMIDYL-AMINO QUINOLINES

Charles Henry Vasey, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 3, 1949, Serial No. 125,385. In Great Britain November 5, 1948
4 Claims. (Cl. 260—256.4)

1. A process for the manufacture of quaternary salts selected from the group consisting of quaternary sulfates and sulfonates of pyrimidyl-

radicals from the group consisting of hydrogen and lower alkyl without R_1 and R_2 both being simultaneously hydrogen atoms; and R_3 is a radical from the group consisting of hydrogen and lower alkyl, which comprises reacting a diquaternary salt of a compound of the general formula:



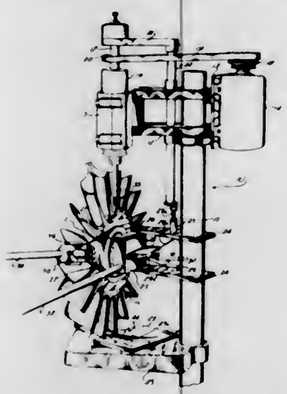
wherein one of the radicals X and Y is a radical from the group consisting of —S alkyl and —O alkyl, and the other is a radical from the group consisting of —S alkyl, —O alkyl, $—NH_2$ and —NH alkyl, and R and R_3 have the significance above indicated, with a compound from the group consisting of ammonia and lower mono-alkylamines.

2,585,973

MILLING MACHINE AND METHOD FOR IMPELLER WHEEL MANUFACTURE

Henry C. Stieglitz, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application April 1, 1948, Serial No. 18,464
11 Claims. (Cl. 90—20)



1. Apparatus for milling the hub portion of an impeller wheel lying between two radial vanes thereof comprising a frame, a rotary cutter journaled on said frame, means for rotating said cutter, a sub-frame pivotally mounted on said frame, means on said sub-frame for journaling an impeller wheel for rotative movements about its natural axis, said sub-frame being located relative to said cutter so that said cutter passes between two vanes of the impeller wheel by pivotal movement of said sub-frame, means for pivotally moving said sub-frame, and means for concurrently oscillating the wheel through a limited arc about its natural axis, whereby said rotary cutter traverses all of the hub portion of the impeller lying between the two vanes.

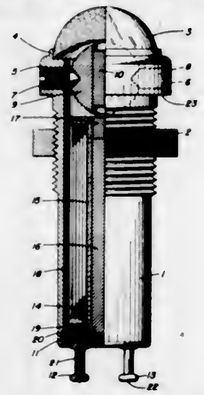
11. Apparatus adapted for milling the hub portion of an impeller wheel lying between two adjacent vanes radiating from the hub which comprises a work support for the wheel, a cutter support for holding a cut[illegible] tool to project into the space between the two adjacent vanes, means for rotating the cutter support to rotate the cutter tool about its own axis, first means for shifting the cutter support to move the cutter tool along its own axis for controlling the radial depth of the cutting path along the hub, second means for shifting the work support laterally of the axis of the cutter tool for controlling the axial cutting path along the hub, third means for oscillating the work support a plurality of times in a direction transverse to the movement imparted by said second means for controlling the cutting path along the width of the hub portion between said vanes, and means for automatically controlling said first means from said second means.

2,585,974

ELECTRICAL INDICATING DEVICE

John A. Taylor, Arlington, and Milton A. Knight, Clifton, Va.

Application April 3, 1950, Serial No. 153,684
9 Claims. (Cl. 177—329)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



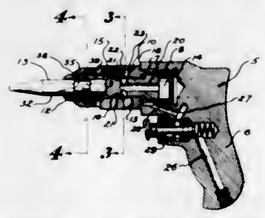
9. An on-off circuit indicator having a movable permanent magnet indicator element mounted for movement into operative and inoperative positions, a weak permanent magnet mounted adjacent to said element for normally holding it in inoperative position, and an electromagnetic coil wound about said weak permanent magnet and energized by closing a circuit for overcoming the effect of said weak permanent magnet and moving said element into operative position.

2,585,975

PNEUMATIC HAMMER

Jack E. Terry, North Royalton, Ohio, assignor, by mesne assignments, to The Bingham-Herbrand Corporation, Toledo, Ohio, a corporation of Ohio

Application August 18, 1947, Serial No. 769,132
2 Claims. (Cl. 121—17)



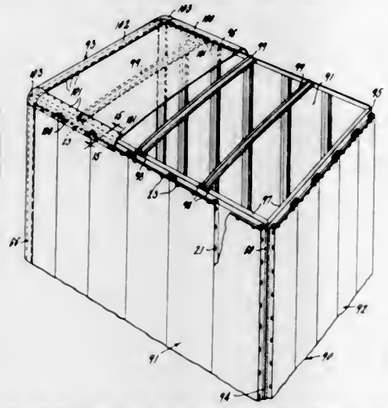
1. A pneumatic hammer comprising a barrel member having a bore therein and a cylinder at the inner end of the bore extending coaxially of the bore and being of greater diameter than the bore, said cylinder being closed at the end opposite the bore; a hammer piston in the bore and cylinder, said piston having a head closely fitting the walls of the cylinder and a shank closely fitting the walls of the bore, said piston being adapted to reciprocate in the barrel member to produce hammer strokes; an air inlet passage opening into the cylinder at a point spaced from the closed end of the cylinder whereby the piston head may reciprocate in the cylinder without closing said opening more than momentarily, said piston having a longitudinal bore therein extending from the end of the piston head surface facing the closed end of the cylinder to a point in the shank; air ports leading from the inner end of said longitudinal bore to the side surface of the shank portion of the piston, said ports in the side surface of said shank being located to be exposed to the interior of the cylinder when the piston approaches one extremity of its stroke in the direction of the closed end of the cylinder and to be closed by the walls of the bore when the piston is intermediate the extremities of its stroke; an exhaust passage leading from said bore and consisting of an annular groove in the walls of said bore and having one or more outlet passages extending from the groove to the atmosphere sufficient to exhaust said air through the piston exhaust port, said groove being located to be in registration with the opening in the side surface of said piston shank and being of approximately the same longitudinal length as said opening when the piston is in said opposite extremity of its stroke.

2,585,976

VEHICLE BODY

Byron Bentley Teeter, Brooklyn, N. Y.; Elsie T. Teeter executrix of said Byron Bentley Teeter, deceased

Application May 2, 1947, Serial No. 745,528
10 Claims. (Cl. 189—34)



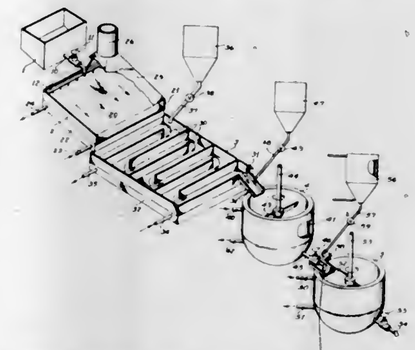
7. A panel joint of the character described comprising at least two metal panel sections, each panel section being provided with a substantially straight plate portion terminating in at least one profiled end member, each profiled end member being offset with respect to the respective plate portion and provided with a row of spaced slots having imperforated parts therebetween, each slot being defined by an edge, the slots of one end member being staggered with respect to the slots of the other end member, and weld means joining said panel sections together, said panel sections when placed with said profiled end members adjacent each other being united by said weld means whereby the latter fuse the edges of said slots of said end members with the respective imperforated parts thereof.

2,585,977

SULFITE LIQUOR TREATING PROCESSES AND PRODUCTS

Curt Uschmann, Lebanon, Oreg., assignor to Cascades Plywood Corporation, Portland, Oreg., a corporation of Delaware

Application October 13, 1947, Serial No. 779,465
20 Claims. (Cl. 260—17.2)



1. The method of treating waste sulfite liquor which comprises heating the liquor to its boiling point and thereby evaporating a substantial portion of the water therefrom, adding to the liquor caustic alkali, adding furfural to the alkalized liquor, and heating the liquid in the absence of phenolic bodies to its boiling point for at least five minutes.

2,585,978

METHOD OF STABILIZING RICE PRODUCTS

George R. Van Atta, Ernest B. Kester, and Harold S. Olcott, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application June 10, 1949, Serial No. 98,402
3 Claims. (Cl. 99—153)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for preparing stabilized brown rice which comprises subjecting rough rice in an undried condition to heated, moist gas at a temperature of from about 185° F. to about 212° F. for a period of time of from about ½ minute to about 15 minutes to blanch the rice, thereby to substantially inactivate the lipase present in the rice without cooking the rice, discoloring the kernel, or impairing the milling quality of the rice, drying the blanched rough rice at a temperature not in excess of about 110° F. to a moisture content of from about 10% to about 15%, and hulling the blanched, dried rough rice.

2,585,979

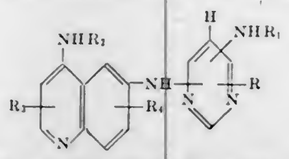
PROCESS FOR THE MANUFACTURE OF QUATERNARY SALTS OF PYRIMIDYL-AMINO QUINOLINES

Charles Henry Vasey, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 3, 1949, Serial No. 125,385. In Great Britain November 5, 1948
4 Claims. (Cl. 260—256.4)

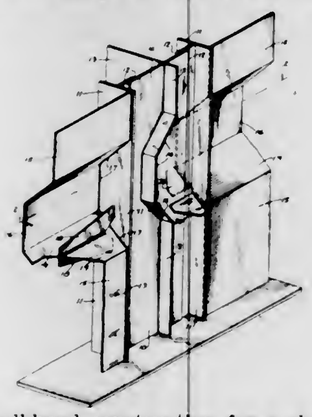
1. A process for the manufacture of quaternary salts selected from the group consisting of quaternary sulfates and sulfonates of pyrimidyl-

aminoquinoline derivatives having the general formula:



wherein R is a radical from the group consisting of hydrogen, amino, lower alkylamino and lower alkyl; R_1 and R_2 are radicals from the group consisting of hydrogen and lower alkyl; and R_3 and R_4 are radicals from the group consisting of hydrogen and lower alkyl, which comprises reacting a halogen acid quaternary salt of compounds having the general formula specified above with a quaternary salt-forming agent selected from the group consisting of lower alkyl esters of sulfuric acid and sulfonic acids.

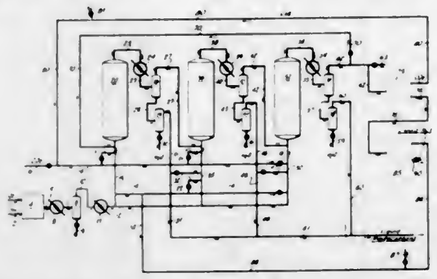
2,585,980
SHIP CONSTRUCTION
John Vasta, Washington, D. C.
Application June 26, 1946, Serial No. 679,467
2 Claims. (Cl. 114—78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A bulkhead construction for a ship, a vertical bulkhead extending longitudinally of a ship, said bulkhead having horizontal extending corrugations each corrugation having a vertical portion joining a pair of converging portions, a vertical I-beam intersecting the bulkhead and welded thereto with the flanges of the beam abutting opposite portions of said bulkhead, a pair of vertical brackets one disposed on each opposite side of one of said converging portions approximately in the plane of the web of the beam and approximately at the mid-point of said one converging portion and welded to said one converging portion and to the flange of said beam whereby the stresses are distributed from the bulkhead to the beam.

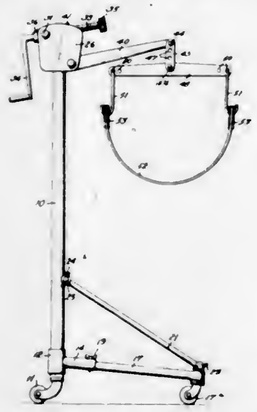
2,585,981
PROCESS FOR CATALYTIC CONVERSION OF CARBON OXIDES
Claude W. Watson, Scarsdale, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 23, 1945, Serial No. 630,521
1 Claim. (Cl. 260—449.6)

The process for the production of desired hydrocarbons, oxygenated hydrocarbons and mixtures thereof by the catalytic hydrogenation of carbon monoxide with the conversion of substantially all of the feed carbon monoxide into said desired products and with repressed formation of carbon dioxide, which comprises feeding a gaseous mixture of carbon monoxide, hydrogen, water vapor and carbon dioxide through a reaction zone containing a fluidized solid particle, iron, hydrocarbon synthesis catalyst, contacting said gaseous mixture with said fluidized catalyst at a reaction temperature in the range about 550–700° F., until about 0.95 to about 0.995 of said feed carbon monoxide has been converted into desired products of reaction, maintaining the



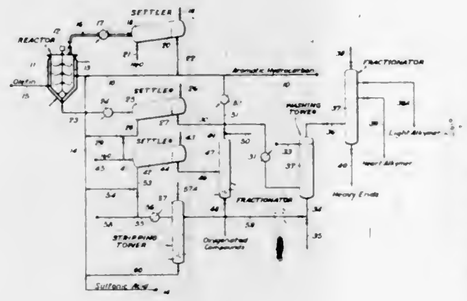
composition of said gaseous feed mixture such that the molar ratio of hydrogen to carbon monoxide is at least 2:1, the amount of water vapor is not more than that corresponding to saturation at 100° F., and the proportion of carbon dioxide is sufficient to repress action of the water gas shift reaction in that direction which consumes carbon monoxide and water vapor with the formation of carbon dioxide such that the conversion of the feed carbon monoxide into undesired carbon dioxide by the water-gas shift reaction is substantially inhibited, withdrawing effluent products of reaction from the reaction zone and recovering the desired products of reaction therefrom.

2,585,982
BED CRANE FOR INVALIDS
Robert L. Wood, Smyrna, Ga.
Application August 6, 1948, Serial No. 42,892
1 Claim. (Cl. 5—86)



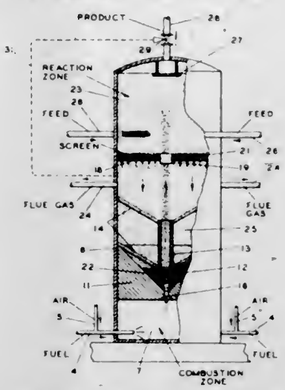
An apparatus of the character described comprising a vertical mast, a socket member affixed to the mast adjacent the lower end thereof, a pair of horizontally and angularly extending leg members removably mounted in the socket member, a caster supporting the mast, a caster supporting each of the leg members, brace members removably interconnecting the mast and the outer ends of the leg members, a pair of vertical plates affixed to the upper end of the mast in spaced parallel relation to each other, a threaded shaft formed with a handle and extending between the plates and pivoted thereto, a crane arm extending between said plates and pivotally connected thereto, and said crane arm provided with an angular extension formed with a threaded opening adjacent the free end thereof threadedly receiving the shaft.

2,585,983
ALKYLATION PROCESS
Chester E. Adams, Highland, Ind., and Wayne A. Proell and Edward G. Ballweber, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 4, 1948, Serial No. 63,582
8 Claims. (Cl. 260—671)



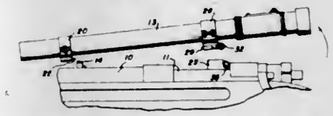
8. An alkylation process which comprises contacting an olefinic hydrocarbon fraction comprising from about 5 to 30 percent by weight of preferentially oil-soluble, neutral oxygenated organic compounds including compounds containing a carbonyl group, with a molar excess of an alkylatable monocyclic aromatic hydrocarbon having from six to ten carbon atoms per molecule, effecting said contact in the presence of a liquid alkanesulfonic acid catalyst present in sufficient quantity to form a distinct liquid phase and at a temperature between about 230° F. and about 300° F. for a period of time sufficient to effect substantial alkylation, distilling monocyclic aromatic hydrocarbons and water, that is formed during alkylation by dehydration of some of the oxygenated compounds, from said alkylation zone at a rate sufficient to preclude the substantial accumulation of water in said alkylation zone, condensing effluent water vapor and aromatic hydrocarbons, separating the aromatic hydrocarbons from the said water, returning the aromatic hydrocarbon to the alkylation zone, withdrawing alkylation reaction mixture from the said zone, cooling at least a portion of the said alkylation reaction mixture, and separating the same into a liquid phase comprising essentially alkylated aromatic hydrocarbons and a second liquid phase comprising essentially said sulfonic acid catalyst, unconverted aromatic hydrocarbon and oxygenated organic compounds.

2,585,984
PEBBLE HEATER APPARATUS AND METHOD FOR HEAT EXCHANGE
Cruzan Alexander and Harris A. Dutcher, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application May 2, 1946, Serial No. 666,767
19 Claims. (Cl. 196—55)



11. A method of heating a gas by direct contact with hot pebbles which comprises burning a combustible mixture, passing a blast of the resulting gaseous mixture through an orifice into the lower end of a narrow elongated vertical confined zone directly above said orifice so as to heat and entrain pebbles from the area surrounding said orifice and the lower end of said zone, thereby lifting the resulting hot pebbles through said zone into an upper expanded zone; passing a gas through said upper zone in direct heat exchange with said pebbles; maintaining a compact layer of pebbles in the lower portion of said upper zone while simultaneously passing pebbles by gravity through a plurality of paths distributed over the bottom of said upper zone to a subjacent zone surrounding said narrow vertical confined zone, thereby passing freely falling pebbles over substantially the entire horizontal cross section of said subjacent zone to a bed of same surrounding said lower end of said narrow zone; and passing a gas through said subjacent zone in direct heat exchange with said freely falling pebbles.

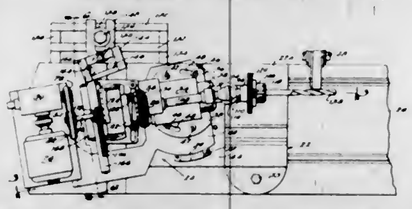
2,585,985
MOUNT FOR TELESCOPIC GUN SIGHTS
John H. Anderson, Burris, Wyo.
Application January 27, 1950, Serial No. 140,860
1 Claim. (Cl. 33—50)



A mounting for a telescopic sight for a rifle comprising a forward support element adapted to be secured to the rifle, said support element being formed with a plurality of forwardly facing recesses, a first ring element adapted to be secured to the telescope tube of the sight, said first ring element being provided with a depending member carrying rearwardly directed studs engageable in said recesses, a rear support element adapted to be secured to the rifle, said rear support element being generally channel shaped, being open at its rear end, having

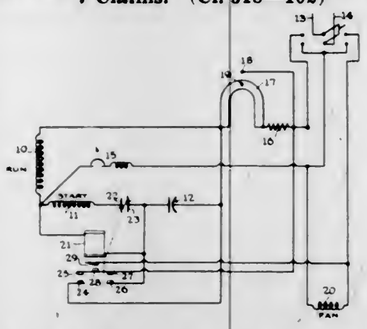
a relatively low transverse forward wall and having parallel upstanding longitudinal walls, each formed with an aperture, a second ring element adapted to be secured to the rear portion of the telescope tube, said second ring element being provided with a depending member receivable between said longitudinal walls, said latter depending member being formed with a transverse bore, a pair of balls movably mounted in said bore, spring means urging the balls outwardly, and retaining lips at the ends of the bore limiting outward movement of the balls, the apertures in the longitudinal walls being located opposite each other and being arranged to lockingly receive said balls.

2,585,986
APPARATUS FOR RELIEVING THE TEETH OF CIRCULAR CUTTING ELEMENTS
Rudolf W. Andreasson, Franklin, Mich.
Application December 27, 1948, Serial No. 67,528
11 Claims. (Cl. 51—95)



1. In a grinding machine, a reciprocable support means; a rotatable and reciprocable spindle carried by said support means; means for rotatably driving said spindle; a rotatably adjustable cam on said support means at one end and spaced from said spindle; resilient means urging said spindle axially in the direction of said cam; cam follower means carried by the mentioned end of the spindle disposed to travel along said cam during rotation of the spindle; and means rendered operative by reciprocation of said support means for rotatably adjusting said cam.

2,585,987
RELAY TYPE OF CURRENT LIMITER
John M. Andrews, York, Pa., assignor to York Corporation, York, Pa., a corporation of Delaware
Application April 11, 1951, Serial No. 220,499
7 Claims. (Cl. 318—102)



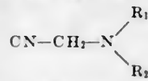
1. A unitary control device for use in connection with a motor having a starting winding and serving to limit the starting current load, said device comprising in combination, an electromagnetic relay adapted to be connected across said starting winding to subject it to the voltage across said winding; an insulating base structure for said relay; an electrical resistor embedded in said base and adapted to be connected in series with said motor; a thermostat mounted on said base connected in series with said resistor and adapted to short out said resistor if said motor fails to come up to speed within a predetermined time; a pair of contacts actuated by said relay normally closed and adapted when opened to disconnect said starting winding from the voltage supply to the motor; and a second pair of contacts actuated by said relay normally opened and adapted when closed to short out said resistor whereby said motor may be started through said resistor until the voltage across said starting winding reaches a predetermined value to operate said relay which then disconnects the starting winding from the voltage supply to the motor and shunts out the starting resistor independently of the operation of said thermostat.

2,585,988
METHOD OF PREPARING AMINOKETONES
Meier Asscher, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
No Drawing. Application May 24, 1948, Serial No. 28,970. In the Netherlands January 28, 1948
8 Claims. (Cl. 260—570.6)

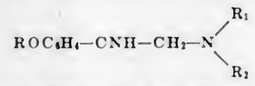
1. A method of preparing an aminoketone, comprising the steps of reacting a compound having the formula:

$$ROC_6H_5$$

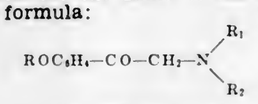
in which R is a member of the group consisting of hydrogen, acyl, alkyl, and aralkyl substituents with a compound having the formula:



in which R_1 and R_2 are each respectively a member selected from the group consisting of hydrogen, alkyl and aralkyl substituents and strong inorganic salts thereof in a solvent selected from the group consisting of chlorobenzene and nitrobenzene with aluminum chloride to form a salt of the imide:



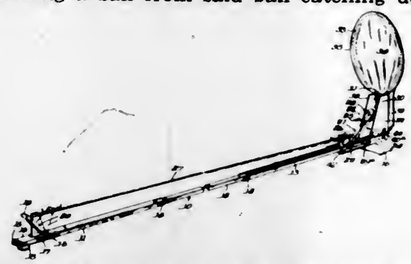
and thereafter reacting the latter compound with water to convert the same to an aminoketone having the formula:



2,585,989
BALL PITCHING AND CATCHING DEVICE
Henry G. Atwell, Lake Villa, Ill.
Application November 25, 1946, Serial No. 712,203
10 Claims. (Cl. 273—26)

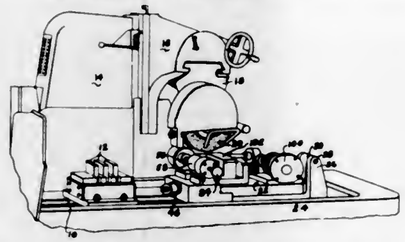
1. In a ball pitching and catching device, a base, a treadle pivotally mounted adjacent one end of the base, a ball-throwing lever pivotally mounted adjacent the other end of the base and operatively connected to the treadle, a ball retaining member on one end of said lever, a ball catching device provided with downwardly extending legs, a stand for detachably mounting said ball catching device secured to and extending up from the base, said stand having side walls and end

wall, said side walls having struck-out portions, and there being an opening in said end wall for delivering a ball from said ball catching device



through said opening to the ball retaining member, and said downwardly extending legs of said ball catching device detachably secured to said struck-out portions.

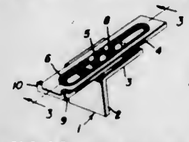
2,585,990
METHOD OF GRINDING INTRICATE CONTOURS
William G. Baldenhofer, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application September 8, 1947, Serial No. 772,605
5 Claims. (Cl. 125—11)



1. The method of producing dressing rolls for shaping production grinding wheels to a predetermined contour which comprises: mounting a unit having the desired contour in radial alignment with a crushing roll; shaping said crushing roll to a reverse configuration by contacting said unit thereto through relative radial movement of said unit and roll; bringing said formed roll into co-planar surface contact with a grinding wheel and crushing the same in pressured revolving engagement to a positive reproduction of the original contour; bringing the said grinding wheel into true radial disposition with a blank unit and grinding a surface of the same to produce a reverse reproduction of the desired contour; mounting said reversed unit in radial alignment with a crushing roll; cutting the roll to a positive reproduction of the desired contour by driving said crushing roll in contact with said ground surface of said reversed unit; and bringing the roll into co-planar surface contact with and crushing a said production grinding wheel in pressured revolving engagement to a negative reproduction of the original unit whereby the complementary shape ground will be identical to the configuration of the original unit.

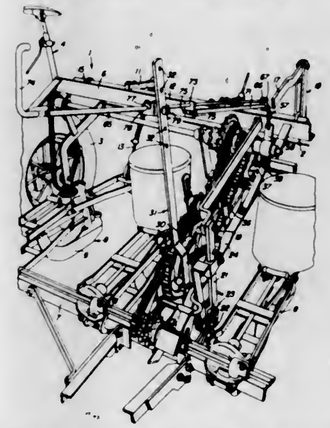
2,585,991
NIGGERHEAD
John Balmer, St. Louis, Mo.
Application August 24, 1949, Serial No. 112,127
3 Claims. (Cl. 101—373)

1. A sheet marker for use in a printing form of a printing press having a guide for one edge of a sheet being printed on the form, said marker comprising a marker bar having marking means thereon, a mounting for said bar locked in the form and supporting said bar at said edge of the sheet with the marking means type high for inking and printing with said form, said bar being



pivotally and slidably supported on said mounting for adjustment transversely and longitudinally of said edge of the sheet to position said marking means for printing at a predetermined distance from said edge of the sheet when said sheet and edge guide are in proper relation during printing.

2,585,992
PLANTER MARKER
Arthur J. Bjerkan, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application February 19, 1948, Serial No. 9,441
11 Claims. (Cl. 97—230)



1. For use in a planter having a pair of marker arms, each having a latch for holding the associated marker arm in a raised position, the improvement comprising marker control mechanism including a pair of connections extending laterally inwardly from said latches and having inner slotted portions lying in overlapping relation, and an operating part shiftable generally transversely relative to said connections and having an extension extending through both of said slotted portions whereby said part may be shifted in one direction to operate one of said latches and in the other direction to operate the other latch.

2,585,993
ROD LOCK
Frank J. Bolek, Chicago, Ill.
Application August 24, 1946, Serial No. 692,887
4 Claims. (Cl. 287—58)

1. A manually operable rod lock of the character described comprising an elongated open loop formed of a strip of relatively stiff resilient metal and adapted to substantially completely embrace contiguous parallel portions of relatively adjustable rods so as to be retained thereon, said loop including two side portions and two end

portions and having a major axis of such length that the loop will press the rods into tight frictional engagement with each other when the loop is bodily tilted laterally of the rods in one direction to a position wherein such major axis is in the same plane as the longitudinal axes of the rods, one side portion of the loop being extended

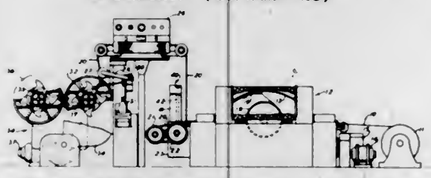


laterally outward to increase the width of the loop at one end so that the rods will be released from said frictional engagement when the loop is tilted laterally of the rods in the opposite direction to a position wherein such major axis is at an angle to such plane, and a projecting finger piece on one end of the loop.

2,585,994
METHOD OF CONTROLLING COILING MACHINES

Wentworth D. Boynton, Woodbrook, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 30, 1948, Serial No. 24,407
3 Claims. (Cl. 242—25)



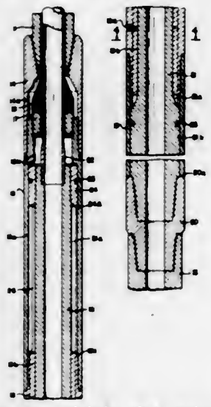
1. The method of controlling a motor driven machine for coiling filamentary articles to produce coils of substantially uniform length, which comprises energizing the motor driving the coiling machine to initiate a coiling operation of the filamentary article initiating a predetermined footage measuring period of the filamentary article being coiled up simultaneously with the initiation of the coiling operation, deenergizing the motor driving the coiling machine when the predetermined measuring period has elapsed, allowing the coiling machine to coast to a stop, initiating a second footage measuring period of the filamentary article upon the deenergization of the motor so that the coasting of the machine consumes a portion of a second footage measuring period, and repeatedly initiating successive coiling operations with a portion of each predetermined measuring period partially consumed by the coasting period of the next preceding coiling operation and deenergizing the motor upon the expiration of its respective predetermined measuring period.

2,585,995
DRILLING JOINT

Cicero C. Brown, Houston, Tex.

Application March 21, 1947, Serial No. 736,359
4 Claims. (Cl. 255—28)

1. A drill stem telescope joint including an outer tubular member, an inner tubular member adapted to telescope the outer member, a spline connection between the members, a sealing means at each end of the spline connection whereby said connection is protected from abrasive matter, said members telescoping each other beyond the spline connection with the inner member being of a reduced diameter beyond said connection, and an auxiliary lip-type packing ring carried by the outer member and having its bore engaging the exterior surface of the reduced portion of the inner member, the exterior of the packing ring being exposed to the pressure of the fluid within

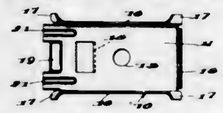


the drill stem to which the joint is connected whereby said pressure fluid maintains the packing ring in sealing engagement with the inner member, the outer member below the packing ring having means for establishing communication between the area externally of said outer member and the bore of the packing ring, said ring allowing a by-pass of pressure in the event the pressure acting against its bore adjacent the inner member exceeds the pressure which is acting on its external surface.

2,585,996
MOLDING FASTENER

Robert L. Brown, Ferndale, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application September 12, 1946, Serial No. 696,453
1 Claim. (Cl. 24—73)



A fastener for securing a channel-shaped molding to a support comprising a substantially flat sheet metal support-engaging body portion, locking lugs at opposite ends of said body portion extending laterally out of the plane thereof for locking engagement with the inturned flanges of a molding, opposed flanges integrally connected to the side edges of said body portion and extending therealong substantially normal to the general plane thereof, the ends of said flanges adjacent said locking lugs being bent laterally outward to form molding-engaging cam members, said cam members having substantially flat camming surfaces projecting outwardly beyond said flanges and disposed in planes substantially normal thereto and inclined toward said body portion, said locking lugs being disposed intermediate said cam members, and said fastener having means whereby it may be secured to a supporting part.

2,585,997
FAUCET SPOUT

Henry Bruewer, Cincinnati, Ohio, assignor to The Schaible Company, Cincinnati, Ohio, a corporation of Ohio

Application February 26, 1948, Serial No. 11,170
7 Claims. (Cl. 137—111)



1. A faucet spout which comprises a pair of hollow elongated trough-shaped metal sections each having closed ends and an open side, one of said sections being inverted and disposed within the peripheral edge of the open side of the other section, the peripheral edge of the inner section containing an outwardly facing peripheral channel adapted to hold a solder wire during fabrication of the faucet spout, a soldered, liquid-tight juncture between said peripheral edges to form an enclosed chamber between said sections, one of said sections containing a pair of spaced openings, and an intake fixture soldered to one of said openings for introducing liquid into the chamber, the other opening being an outlet opening for discharge of liquid from the chamber.

2,585,998
METHOD OF PREPARING 7-HALOGEN STEROL ESTERS

Jan Anne Keverling Buisman, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee

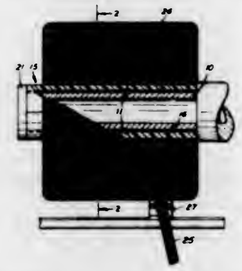
No Drawing. Application July 16, 1947, Serial No. 761,413. In the Netherlands July 10, 1946
2 Claims. (Cl. 260—397.2)

1. The process of preparing 7-bromosterolesters comprising the step of subjecting a 7-β-hydroxycholesterol-3-monoester to the action of phosphorus tribromide without bromine addition at the 3-position, and thereby converting the 7-β-hydroxycholesterol-3-monoester to the corresponding 7-β-bromosterolester.

2,585,999
STRAND HANDLING APPARATUS

Tillman T. Bunch, Ashland, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 8, 1949, Serial No. 97,831
13 Claims. (Cl. 242—115)

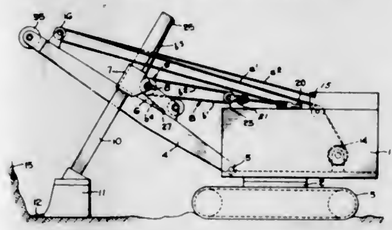


2. A cop tube for strand handling apparatus, which comprises two elongated cop tube sections of semi-circular cross-section designed to be fitted together to form a tubular cop tube, each of said sections having an inwardly projecting longitudinal rib centrally positioned between the edges thereof and an inwardly projecting longitudinal rib provided at each edge thereof, said last-mentioned ribs being of such thickness that when the two sections are fitted together they form a pair of diametrically opposed ribs whose width is equal to the width of the first-mentioned longitudinal ribs.

2,586,000
DIPPER-STICK CROWDING MEANS FOR EXCAVATORS

Bert Calvert, Los Angeles, Calif.

Application September 13, 1947, Serial No. 773,777
8 Claims. (Cl. 214—135)

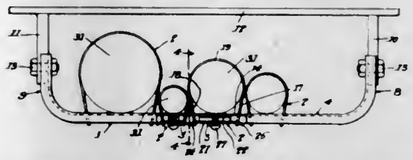


1. In an excavator apparatus, the combination of a frame, a boom supported at its lower end on the frame, sheave means attached to the peak of the boom, a taut boom cable anchored at one end on the frame passing around said sheave means and in a run back toward the frame, means for guiding said run of the cable in a loop adjacent the frame; a dipper, and a dipper- stick carrying the same, and supported on the boom, means for taking up and paying out the boom cable at its other end, a crowding cable connected to the dipper-stick and to the bloom so as to exert a downward thrust upon the same, and means associated with the crowding cable including a sheave riding in said loop for imparting tension to the crowding cable from said loop.

2,586,001
HANGER

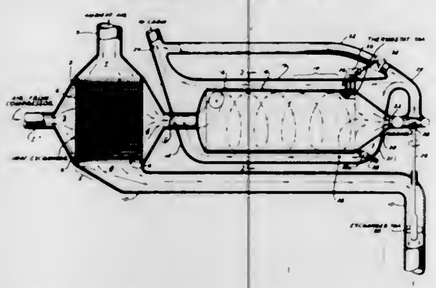
Arley D. Carpenter, Los Angeles, and Charles A. Slater, Bellflower, Calif., assignors, by direct and mesne assignments, to The Norco Co., Los Angeles, Calif., a copartnership

Application July 11, 1945, Serial No. 604,406
3 Claims. (Cl. 248—68)



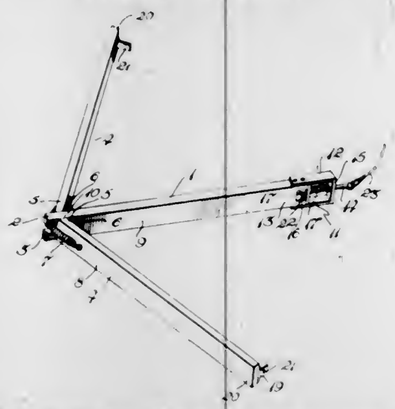
1. A hanger including a hanger bar upon which work is supported, a U-shaped clamp extended over the work and through said hanger bar, said clamp being provided with openings in its ends, a spring locking keeper comprising a single piece of sheet metal bent upon itself and formed with a pair of spaced spring leaves, one of said leaves engaging said hanger bar and said other spring leaf being formed with a pair of wings extending into said openings in said clamp and engaging said clamp for drawing said clamp upon the work and clamping the work upon said hanger bar.

2,586,002
AIR CYCLE COOLING SYSTEM
William T. Carson, Jr., Lynwood, and Loyal A. Williamson, Jr., Los Angeles, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application June 20, 1949, Serial No. 100,278
6 Claims. (Cl. 62—136)



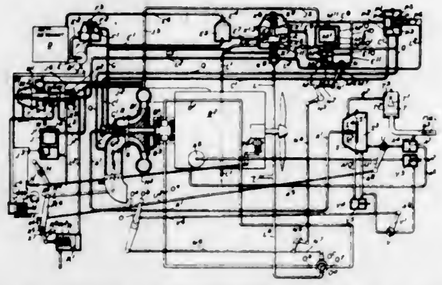
1. In an airplane cabin cooling system, a source of air at high pressure, an expansion turbine having an outlet, and an inlet connected to receive air from said source and forming one element of a heat exchanger, a divided duct connected at one end to the outlet of said turbine and at the other end to said cabin, one division of said duct conducting air directly to said cabin, the other division of said duct forming the remaining element of said heat exchanger, said divided duct delivering all of the output of said turbine to said cabin only, and means for proportioning the output of said turbine between the two divisions of said duct.

2,586,003
DUCK HUNTER'S DRAG
John D. Caslor, St. Vital, Manitoba, Canada
Application April 7, 1949, Serial No. 86,027
5 Claims. (Cl. 43—1)



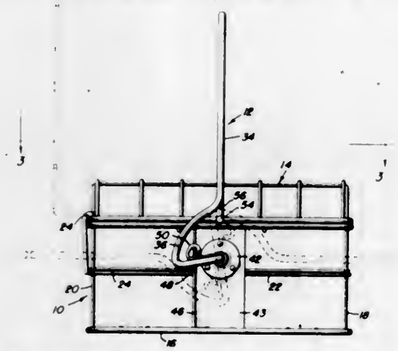
1. A hurlable and floatable duck-hunters' drag for landing floating, shot ducks, comprising in combination a floatable centre-bar, a pair of floatable spring-spread wing-bars for the purpose specified, hingedly secured to one end of said centre-bar, means for locking said wing-bars against outward spring-bias to the opposite end of said centre-bar, and an anchor cord connected to said locking means for releasing said wing-bars from the latter upon pulling the same so that said wing-bars assume oppositely outspread angular relationships to said centre bar.

2,586,004
FUEL SUPPLY SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Reginald Henry Douglas Chamberlin, London, England, assignor to D. Napier & Son Limited, London, England, a company of Great Britain
Application September 11, 1946, Serial No. 696,223
In Great Britain September 11, 1945
9 Claims. (Cl. 123—119)



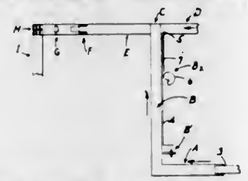
1. A system for supplying fuel and a liquid anti-detonant to an internal combustion engine provided with a supercharger in its induction passage, variable speed driving means for driving said supercharger from the engine and a control for setting the speed ratio of said driving means, said system comprising means for delivering a metered quantity of fuel under pressure through a nozzle into the engine induction passage, a pump which when operative delivers anti-detonant to said nozzle so that it will mingle with the fuel issuing therefrom, a pressure regulator for regulating the pressure of the anti-detonant delivered to said nozzle, a main metering device through which anti-detonant passes on its way to the nozzle and adapted to meter the quantity of anti-detonant passing therethrough in dependence upon the engine boost pressure, an additional anti-detonant metering device for admitting an additional supply of anti-detonant to said nozzle, and means for rendering said additional metering device operative only when the supercharger driving means is set for driving the supercharger at the highest speed ratio.

2,586,005
GLASS WASHING BASKET
Angelo Colonna, Philadelphia, Pa.
Application January 12, 1950, Serial No. 138,131
2 Claims. (Cl. 220—19)



2. A retainer for holding glasses during washing operations, said retainer comprising a receptacle provided with openings for free flow of liquid and having a bottom, sides and ends, a cover for said receptacle operatively connected with one of said sides, a handle, said sides including a pair of mounting plates, said handle being pivoted at its ends to said mounting plates and movable to a position substantially perpendicular to the cover and to a position substantially parallel to said cover, means for holding said handle in the position parallel to said cover, said last means including a locking member extending laterally from said cover, said handle having a bight portion, a clamping member carried by one part of said bight portion and spaced from the other part of said bight portion to thereby constitute a passage in which said locking member is adapted to seat thereby holding said handle in the position parallel to said cover, and means for holding said handle in a position perpendicular to said cover including a notch in one of said mounting plates and having one part of said bight portion removably disposed therein, and the means for holding said handle in a position parallel to said cover also constituting a means for holding said cover releasably fastened to said receptacle.

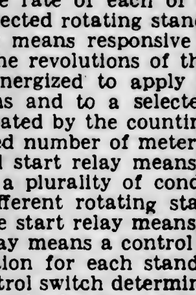
2,586,006
PACKAGING MACHINE
John D. Conti, Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 29, 1949, Serial No. 102,115
23 Claims. (Cl. 53—136)



1. A carton handling system comprising means for conveying an open-ended carton sidewise to a temporary position of rest, means for loading an article into the carton in said temporary position of rest, means for turning the carton into inverted position with the inner flaps folded under the carton and the outside flaps projecting downwardly therefrom, means for conveying the filled carton endwise from the loading position to the turning means, a conveyor comprising a bed of rollers adapted to support the carton for conveying the inverted carton to a carton-closing station, means for applying adhesive to the inside flaps folded under the inverted carton comprising a roll mounted in the roller bed of the conveyor in advance of the carton-closing station and means for supplying adhesive to the roll, and means disposed at the carton-closing station beneath the level of the conveyor bed for folding the flaps with the adhesive therebetween to close the carton.

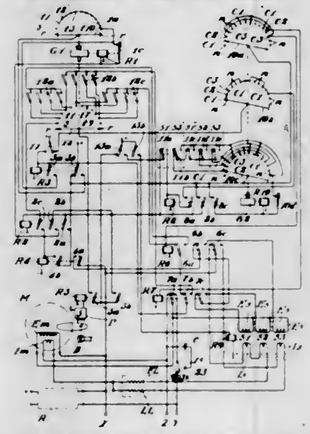
2,586,007
WIRE COIL INSERT WITH TAPERED END
Harkness W. Cram, Pelham, and John O. Forster, Long Island City, N. Y., assignors, by mesne assignments, to Heli-Coil Corporation, Long Island City, N. Y., a corporation of Delaware
Application March 20, 1947, Serial No. 735,882
4 Claims. (Cl. 10—1)

3. A method of providing a wire coil with a tapered end having its point of taper on its outer circumference which comprises coiling a piece of wire to form a wire coil, cutting an end of the coil in a straight plane parallel to the coil axis and substantially tangential to the inner coil circumference, so as to form a taper having its point on said inner circumference and bending



said taper outward until said taper point is located substantially on the outer coil circumference.

2,586,008
METER TESTING APPARATUS
Flavius E. Davis, III, Jackson, Mich.
Application July 12, 1950, Serial No. 173,423
6 Claims. (Cl. 175—183)



3. For comparing the rate of revolution of a meter with the rate of each of a plurality of successively selected rotating standards, apparatus comprising means responsive to said meter for counting the revolutions of the meter, start relay means energized to apply power to said counting means and to a selected standard, a stop relay actuated by the counting means after a predetermined number of meter revolutions to deenergize said start relay means, control relay means having a plurality of conditions in each of which a different rotating standard is connected with the start relay means, for actuating the control relay means a control switch having a control position for each standard, the position of the control switch determining the condition of the control relay means, motor means responsive to the stop relay to step the control switch from position to position, an auxiliary start relay, a start key for energizing said auxiliary start relay, a start circuit for applying power to the start relay means including a switch of the auxiliary start relay and a switch of the stop relay, and a step circuit for the motor means including said start circuit switches, whereby when said stop relay is energized by the counting means said start circuit is opened deenergizing said start relay means to stop one standard, and also deenergizing said motor means to step the control switch to a position in which another standard is selected, and when the stop

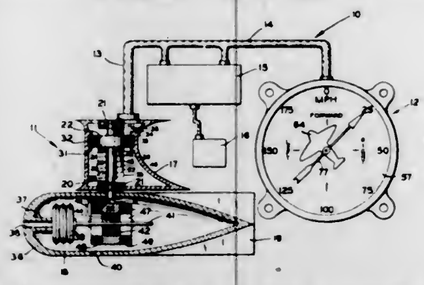
relay is deenergized after said predetermined interval the start relay means is energized to start said other standard.

2,586,009
INTERCHANGEABLE LETTER DISPLAY DEVICE
Charles N. Dickey, Northville, Mich., assignor, by mesne assignments, to James S. Cushman, New York, N. Y., and Harold F. Moonert, Willoughby, Ohio
Application September 20, 1947, Serial No. 775,229
2 Claims. (Cl. 40—140)



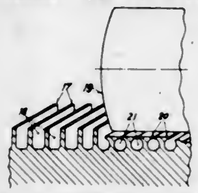
1. A character for use as a display element, formed as a homogeneous element adapted to be attached to a glossy support merely by application of slight pressure, said character being formed of a synthetic resinous elastomeric material and including a plasticizer therefor substantially in the proportion of two parts of elastomeric material and one part of plasticizer, said character comprising a piece of flat, flexible, air-impervious plastic material having at least one glossy, press polished, non-tacky surface by which said character may be firmly attached to said support, the amount of plasticizer in said material being sufficient to make the material flexible for attachment as defined, but insufficient to make the material flabby so as to be nonself-supporting.

2,586,010
VELOCITY AND DIRECTION INDICATOR
Richard L. Divoll, Haworth, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application September 20, 1946, Serial No. 698,127
4 Claims. (Cl. 73—189)



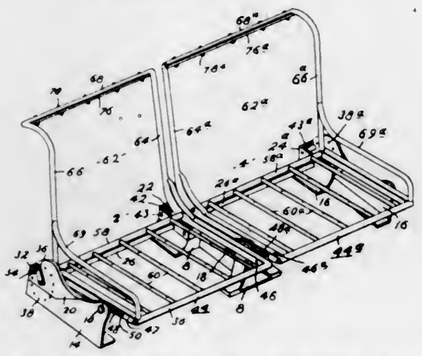
1. An instrument for use with a mobile craft adapted for travel in a moving fluid medium for indicating the velocity of the fluid medium relative to the craft as well as the direction of the flow of the fluid medium relative to the fore and aft axis of the craft, comprising a direction indicator and a velocity indicator located on the craft, a streamlined member supported by the craft at a point remote from said indicators, a displaceable electrical device mounted in said member for developing, when the craft fore and aft axis is in a position other than an up-stream position relative to the fluid medium, a signal representative of the direction of flow of the fluid medium relative to the craft fore and aft axis, a second streamlined member having dynamic and static pressure openings therein rotatably supported by said first member and provided with means thereon for maintaining it in an up-stream position relative to the fluid medium, means interconnecting the electrical device for displacement by the second member, a second electrical device mounted within said second member and developing a signal in accordance with the difference of the dynamic and static pressures communicated to said second member, and means for operating said indicators in accordance with said signals.

2,586,011
METHOD OF PRODUCING A SOFT, FLEXIBLE, AND RESILIENT SURFACE LAYER ON BODIES OF A HARD, NONRESILIENT MATERIAL AND BODIES PRODUCED THEREBY
Gandolph Doelter, Paris, France, assignor to Vadolt Trust, Vaduz, Liechtenstein, a company of Liechtenstein
Application June 3, 1948, Serial No. 30,944
In Austria June 11, 1947
3 Claims. (Cl. 29—183.5)



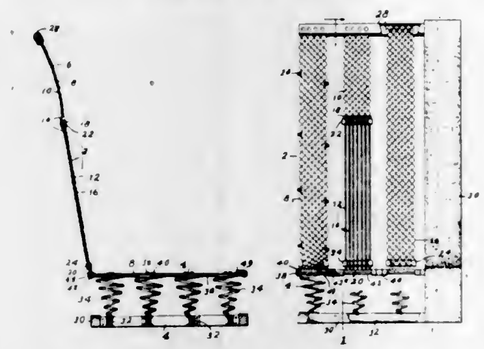
2. A method of producing soft, flexible and yieldable outer surfaces of metal bodies consisting of hard non-yieldable material capable of being shaped by machining, said method comprising the steps of grooving outer surfaces of metal bodies until comparatively thin, resilient parallel, disc-like ribs of substantially the same diameter are formed, the grooves separating said ribs having a width which is a multiple of the thickness of the ribs, and then flattening circumferential edges of said ribs until they join each other to form a substantially smooth cylindrical surface extending over and at a distance from the bottoms of said grooves, whereby said grooves form completely enclosed annular cells.

2,586,012
ADJUSTABLE VEHICLE SEAT
John M. Dorton, Bonner Springs, Kans.
Application March 19, 1947, Serial No. 735,566
5 Claims. (Cl. 155—5)



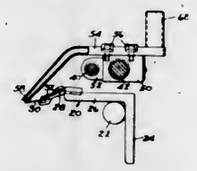
1. In combination, a seat structure, supporting means upon which the seat structure is swingably mounted, swingable members operably mounted upon the supporting means and arranged at opposite sides of the seat structure, a shaft journaled in the rear portions of the swingable members, coacting means on the seat structure and the shaft whereby they may be connected to swing together or disconnected to permit the seat structure to swing independently of said shaft, and manually controlled means mounted upon the shaft and adapted to actuate said coacting means.

2,586,013
COMBINED SPRING SEAT AND BACK STRUCTURE
John M. Dorton, Bonner Springs, Kans.
Application October 18, 1947, Serial No. 780,625
4 Claims. (Cl. 155—53)
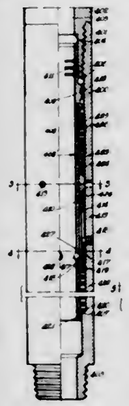


1. In a combined seat and back structure, a seat, a plurality of units spaced apart and arranged in parallelism, each unit including a long woven wire element secured to and extending over the seat from front to rear and thence upwardly to form a portion of a back member, short woven wire elements arranged at the rear of the respective long wire elements and extending downwardly a suitable distance from the upper ends thereof to form part of the back structure, means for securing the upper ends of the respective long and short wire elements together, and means for securing the longitudinal margins of the long and short wire elements together.

2,586,014
DUST COLLECTOR FOR PAPER MACHINES
Clifford G. Dunphy, Centre Township, St. Joseph County, Ind.
Application June 18, 1947, Serial No. 755,310
5 Claims. (Cl. 92—74)



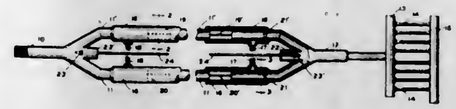
1. The combination with a paper machine having a plurality of spaced rolls around which a paper web passes and a doctor blade parallel to and engaging each roll between the paper-engaging radii of said rolls of a suction device associated with each blade and having an intake nozzle whose mouth is positioned adjacent to said roll and to the edge of said blade, and means for reciprocating said nozzle longitudinally of said blade the mouth portion of said nozzle being of small cross-sectional size and of elongated and narrow cross-sectional shape, the major cross-sectional dimension of said mouth portion extending parallel to said blade and being small compared to the length of said blade.

2,586,015
PIPE RELEASING MEANS
Charles R. Edwards, Houston, Tex.; Frances Robertha Edwards executrix of said Charles Ross Edwards, deceased
Original application May 13, 1940, Serial No. 334,947. Divided and this application April 27, 1945, Serial No. 590,682
9 Claims. (Cl. 255—28)



1. In a device for use in establishing partial circulation in a well bore, the combination including a tubular body, a passageway in the wall of said body, a sleeve valve for the passageway slidably mounted in said body, means to move said valve to a position opening said passageway and means to normally urge the sleeve valve into position closing said passageway during normal operations, said first means including a sleeve mounted within said valve and extending thereabove, interconnecting means between said valve and said sleeve, and members carried by said sleeve and projecting into the bore of said sleeve, said sleeve being spaced from said body above said valve to form a fluid passageway.

2,586,016
DUPLEX STEAM CONDENSER
Jack Fanning, Atlanta, Ga.
Application February 1, 1950, Serial No. 141,669
6 Claims. (Cl. 261—11)



1. In apparatus of the class described, an inlet pipe, an outlet pipe, a plurality of pipes branching from said inlet pipe and said outlet pipe and forming crotches therebetween, a spray chamber communicating with one of said crotches, condenser tubes interconnecting the pipes branching from said inlet pipe with the pipes branching from said outlet pipe, jackets for coolant surrounding said condenser tubes, means for cir-

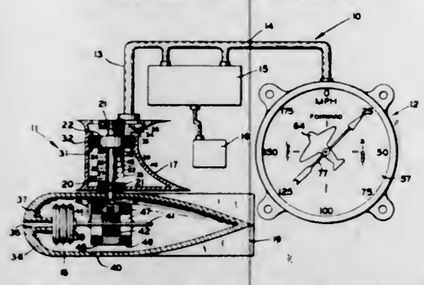
relay is deenergized after said predetermined interval the start relay means is energized to start said other standard.

2,586,009
INTERCHANGEABLE LETTER DISPLAY DEVICE
Charles N. Dickey, Northville, Mich., assignor, by mesne assignments, to James S. Cushman, New York, N. Y., and Harold F. Moonert, Willoughby, Ohio
Application September 20, 1947, Serial No. 775,229
2 Claims. (Cl. 40—140)



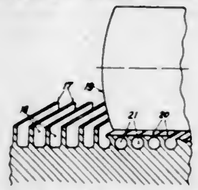
1. A character for use as a display element, formed as a homogeneous element adapted to be attached to a glossy support merely by application of slight pressure, said character being formed of a synthetic resinous elastomeric material and including a plasticizer therefor substantially in the proportion of two parts of elastomeric material and one part of plasticizer, said character comprising a piece of flat, flexible, air-impervious plastic material having at least one glossy, press polished, non-tacky surface by which said character may be firmly attached to said support, the amount of plasticizer in said material being sufficient to make the material flexible for attachment as defined, but insufficient to make the material flabby so as to be nonself-supporting.

2,586,010
VELOCITY AND DIRECTION INDICATOR
Richard L. Divoll, Haworth, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application September 20, 1946, Serial No. 698,127
4 Claims. (Cl. 73—189)



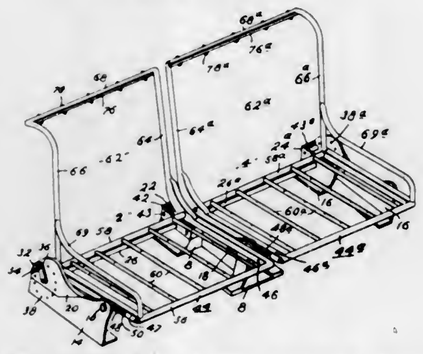
1. An instrument for use with a mobile craft adapted for travel in a moving fluid medium for indicating the velocity of the fluid medium relative to the craft as well as the direction of the flow of the fluid medium relative to the fore and aft axis of the craft, comprising a direction indicator and a velocity indicator located on the craft, a streamlined member supported by the craft at a point remote from said indicators, a displaceable electrical device mounted in said member for developing, when the craft fore and aft axis is in a position other than an up-stream position relative to the fluid medium, a signal representative of the direction of flow of the fluid medium relative to the craft fore and aft axis, a second streamlined member having dynamic and static pressure openings therein rotatably supported by said first member and provided with means thereon for maintaining it in an up-stream position relative to the fluid medium, means interconnecting the electrical device for displacement by the second member, a second electrical device mounted within said second member and developing a signal in accordance with the difference of the dynamic and static pressures communicated to said second member, and means for operating said indicators in accordance with said signals.

2,586,011
METHOD OF PRODUCING A SOFT, FLEXIBLE, AND RESILIENT SURFACE LAYER ON BODIES OF A HARD, NONRESILIENT MATERIAL AND BODIES PRODUCED THEREBY
Gandolph Doelter, Paris, France, assignor to Vadolt Trust, Vaduz, Liechtenstein, a company of Liechtenstein
Application June 3, 1948, Serial No. 30,944
In Austria June 11, 1947
3 Claims. (Cl. 29—183.5)



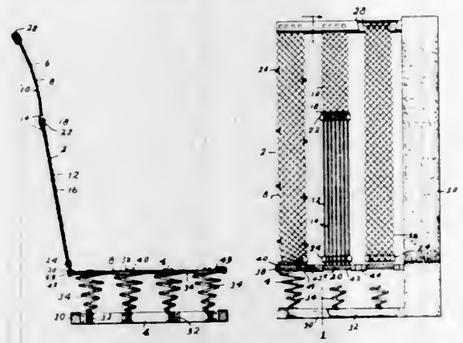
2. A method of producing soft, flexible and yieldable outer surfaces of metal bodies consisting of hard non-yieldable material capable of being shaped by machining, said method comprising the steps of grooving outer surfaces of metal bodies until comparatively thin, resilient parallel, disc-like ribs of substantially the same diameter are formed, the grooves separating said ribs having a width which is a multiple of the thickness of the ribs, and then flattening circumferential edges of said ribs until they join each other to form a substantially smooth cylindrical surface extending over and at a distance from the bottoms of said grooves, whereby said grooves form completely enclosed annular cells.

2,586,012
ADJUSTABLE VEHICLE SEAT
John M. Dorton, Bonner Springs, Kans.
Application March 19, 1947, Serial No. 735,566
5 Claims. (Cl. 155—5)



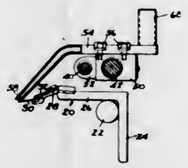
1. In combination, a seat structure, supporting means upon which the seat structure is swingably mounted, swingable members operably mounted upon the supporting means and arranged at opposite sides of the seat structure, a shaft journaled in the rear portions of the swingable members, coacting means on the seat structure and the shaft whereby they may be connected to swing together or disconnected to permit the seat structure to swing independently of said shaft, and manually controlled means mounted upon the shaft and adapted to actuate said coacting means.

2,586,013
COMBINED SPRING SEAT AND BACK STRUCTURE
John M. Dorton, Bonner Springs, Kans.
Application October 18, 1947, Serial No. 780,625
4 Claims. (Cl. 155—53)



1. In a combined seat and back structure, a seat, a plurality of units spaced apart and arranged in parallelism, each unit including a long woven wire element secured to and extending over the seat from front to rear and thence upwardly to form a portion of a back member, short woven wire elements arranged at the rear of the respective long wire elements and extending downwardly a suitable distance from the upper ends thereof to form part of the back structure, means for securing the upper ends of the respective long and short wire elements together, and means for securing the longitudinal margins of the long and short wire elements together.

2,586,014
DUST COLLECTOR FOR PAPER MACHINES
Clifford G. Dunphy, Centre Township, St. Joseph County, Ind.
Application June 18, 1947, Serial No. 755,310
5 Claims. (Cl. 92—74)



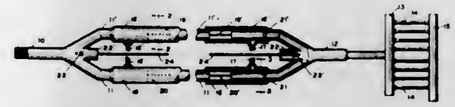
1. The combination with a paper machine having a plurality of spaced rolls around which a paper web passes and a doctor blade parallel to and engaging each roll between the paper-engaging radii of said rolls of a suction device associated with each blade and having an intake nozzle whose mouth is positioned adjacent to said roll and to the edge of said blade, and means for reciprocating said nozzle longitudinally of said blade the mouth portion of said nozzle being of small cross-sectional size and of elongated and narrow cross-sectional shape, the major cross-sectional dimension of said mouth portion extending parallel to said blade and being small compared to the length of said blade.

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PIPE RELEASING MEANS
Charles R. Edwards, Houston, Tex.; Frances Robertha Edwards executrix of said Charles Ross Edwards, deceased
Original application May 13, 1940, Serial No. 334,947. Divided and this application April 27, 1945, Serial No. 590,682
9 Claims. (Cl. 255—28)



1. In a device for use in establishing partial circulation in a well bore, the combination including a tubular body, a passageway in the wall of said body, a sleeve valve for the passageway slidably mounted in said body, means to move said valve to a position opening said passageway and means to normally urge the sleeve valve into position closing said passageway during normal operations, said first means including a sleeve mounted within said valve and extending thereabove, interconnecting means between said valve and said sleeve, and members carried by said sleeve and projecting into the bore of said sleeve, said sleeve being spaced from said body above said valve to form a fluid passageway.

2,586,016
DUPLEX STEAM CONDENSER
Jack Fanning, Atlanta, Ga.
Application February 1, 1950, Serial No. 141,669
6 Claims. (Cl. 261—11)



1. In apparatus of the class described, an inlet pipe, an outlet pipe, a plurality of pipes branching from said inlet pipe and said outlet pipe and forming crotches therebetween, a spray chamber communicating with one of said crotches, condenser tubes interconnecting the pipes branching from said inlet pipe with the pipes branching from said outlet pipe, jackets for coolant surrounding said condenser tubes, means for cir-

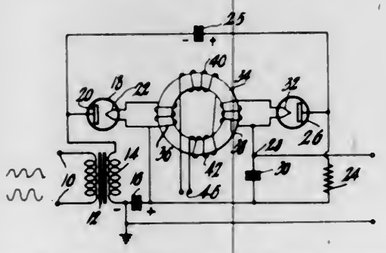
culating a coolant through said jackets, and means in said spray chamber for spraying fluid into steam passing through said apparatus substantially at the crotch with which said spray chamber communicates.

2,586,017
GAME
Benjamin H. Freedman, Asbury Park, N. J., assignor, by mesne assignments, to James S. Cushman, New York, N. Y., and Harold F. Moonert, Willoughby, Ohio, jointly
Application September 10, 1947, Serial No. 773,093
3 Claims. (Cl. 41—34)



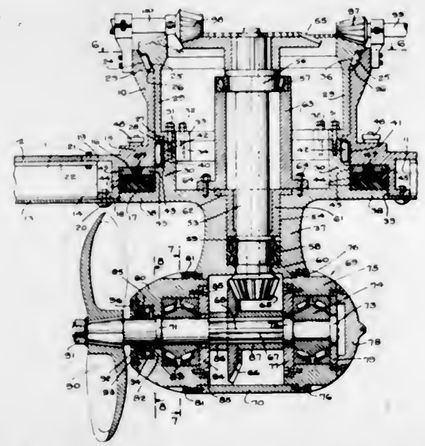
1. The combination of a transparent supporting sheet, a guide sheet disposed adjacent to said supporting sheet and having demarcations thereon visible through the supporting sheet, said transparent sheet having a guide at its edge to position said guide sheet, the opposing faces of said transparent sheet and guide sheet being free relative to one another, and plasticized flexible resin attaching sheets removably attached to said supporting sheet, the supporting sheet and attaching sheets having dry non-aqueous, nontacky, and readily washable glossy surfaces which enable attaching the one to the other when pressed into engagement with one another and which enable ready disengagement when a peeling force is exercised on the flexible sheets, the attaching sheets to be secured to the supporting sheet in accordance with demarcations on said sheet.

2,586,018
HIGH-VOLTAGE POWER SUPPLY
Albert W. Friend, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1950, Serial No. 193,204
6 Claims. (Cl. 321—15)



1. In a high voltage power supply system the combination of input terminals adapted to receive high voltage alternating current, a plurality of cascaded electron discharge rectifier units connected in voltage multiplying relation to said high voltage terminals, each of said rectifier units having a separate heater element, a structure of comminuted ferrite material conformed to present a closed magnetic loop, the comminuted material having a resistivity of at least 10^7 ohms per centimeter cubed while having a magnetic permeability of at least 75, a separate take off winding on said closed loop for each rectifier unit heater element, each take off winding being spaced from an adjacent take off winding to provide inter-winding capacitance which is below a predetermined maximum and inter-winding insulation above a predetermined minimum, connections from each take off winding to a respective rectifier heater, a plurality of exciting windings on said closed loop situated between said take off windings and connections from all of said exciting windings to common power supply terminals designated to deliver power for said discharge tube heaters.

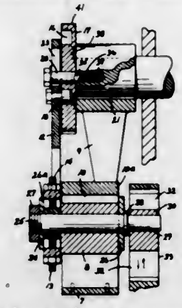
2,586,019
MARINE PROPELLING AND STEERING MECHANISM
Willy O. Frohlich, Philadelphia, Pa.
Application October 20, 1948, Serial No. 55,505
5 Claims. (Cl. 115—35)



4. In a marine propelling and steering mechanism, in combination, a hollow main support stationarily mounted above an opening in the hull of a vessel, a hollow turret assembly revolubly nested within and fixed against axial displacement relatively to said support, said turret having an axially depending mounting for a propeller assembly arranged beneath said hull opening and which said mounting includes an axially bored throat portion for projection therethrough of a main drive shaft operatively geared to said propeller assembly, a roller bearing assembly fitted in the lower end of said bored throat portion, a longitudinally split spacer and thrust sleeve locked in the bore of said throat portion immediately above said roller bearing assembly, and a drive shaft rotatably journalled within said roller bearing assembly and split sleeve, said drive shaft having an annular flange disposed between said bearing assembly and split sleeve whereby said shaft is axially fixed in said turret assembly while free to rotate relatively thereto.

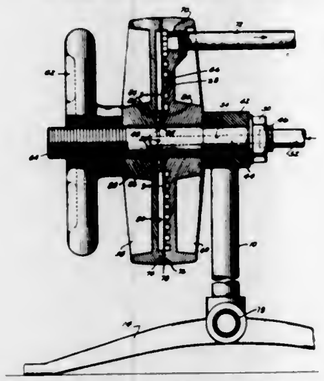
2,586,020
STROKE VARIATION DEVICE FOR WINDING MACHINES
Horace Pugh Fry, Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 23, 1948, Serial No. 22,865
12 Claims. (Cl. 74—104)

1. In a winding machine having a rocker shaft element and a slotted reciprocator element movable along a path parallel to a normal to the shaft axis, mechanism for transmitting the reciprocating motion of the reciprocator element to the shaft element to produce rocking motion thereof comprising a crank arm attached to the shaft element and extending to one side of the path of the reciprocator element, slots extending through overlapping portions of the crank arm and the



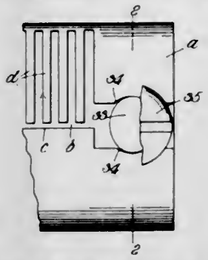
reciprocator element, a member extending through the slots in a direction parallel to the shaft, a rotor having an endless cam surface carried by one of the elements, a cam follower secured to the member and engaging the cam surface for varying the position of the member relative to the element carrying the rotor, and means for rotating the rotor.

2,586,021
CENTER SCREW FILTER
Carlo J. Fusco, San Francisco, Calif.
Application November 23, 1945, Serial No. 630,356
5 Claims. (Cl. 210—185)



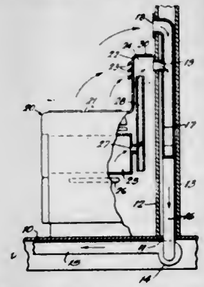
3. A filter unit comprising a base, a pivotally mounted cross-frame carried thereby, a hub portion medially of said frame, a shaft journalled therein and extending therefrom, a pair of housing members mounted on said shaft, said housing members having shallow chambers therein and a peripheral flange surrounding each of said chambers, said shaft having a fluid passageway therein, a hand-wheel screw-threadedly mounted on said shaft for locking said housing members together against one side of said hub portion of said frame, a filter paper adapted to be locked around its peripheral edge between the peripheral flanges on said housings, an inlet conduit for fluid to be filtered connected to the passageway in said vertical shaft, passageways from said shaft to the chamber in one of said housings and an outlet conduit from the chamber in the other of said housing members whereby fluid to be filtered passes through said filter paper.

2,586,022
ROTARY BLADE SAFETY RAZOR
Ernest Charles Garrard, Maidenhead, and Kenneth G. Harrold, Taplow, England, assignors to The Fairey Aviation Company Limited, Hayes, Middlesex, England
Original application September 23, 1947, Serial No. 775,690. Divided and this application April 13, 1949, Serial No. 87,266. In Great Britain September 26, 1946
3 Claims. (Cl. 30—43)



1. A head for a safety razor of the kind having a cutter mounted to rotate about an axis, said head comprising, in combination, a tubular casing made of resilient material and adapted to contain said cutter, said casing being split along a longitudinal line so as to present two edges, one of said edges being formed along a major portion of its length with a cutting edge, the second of said edges being formed with a comb opposite said cutting edge, said edges being further formed with opposed cam surfaces arranged laterally of said cutting edge and said comb, a pair of elements, respectively inside and outside said casing and overlapping said cam surfaces so as to be supported by the portions of said casing around said edges, and a cam interposed between said cam surfaces and between said elements and supported by the latter, said cam being rotatably mounted so as adjustably to pry apart said cutting edge and said comb, whereby the resilience of said casing tends to cause said edges to approach one another substantially circumferentially with respect to said tubular casing.

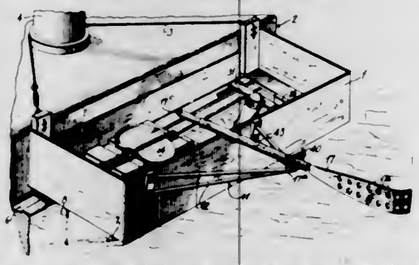
2,586,023
VENTILATED RANGE
Benjamin A. Gillette, Villa Park, Ill., assignor to Cribben and Sexton Company, Chicago, Ill., a corporation of Illinois
Application July 19, 1947, Serial No. 762,034
3 Claims. (Cl. 126—299)



1. A range and blower structure, comprising a range having a burner-equipped top and a hollow back-splasher extending thereabove, an oven within said range having a port at the rear end thereof, a flue box adjacent the rear of said range extending from a point within said backsplasher to a point below said oven port, said

flue box having an open lower end and an open top end and communicating with said port at a point between said ends, said back-splasher having inlet port means in the front wall thereof above the upper end of said flue box, a collector box providing a substantially closed chamber behind said back-splasher and said flue box and extending above said back-splasher, said collector box having intake means in the front wall thereof above said back-splasher of considerably larger capacity than said back-splasher inlet means and a port communicating with the top portion of said back-splasher, and a suction exhaust means communicating with the bottom of said collector box chamber, whereby said exhaust means can induce a high velocity flow of relatively cool air through said collector box while maintaining a balanced suction within said back-splasher to produce a low velocity flow of relatively warm air from said burner-equipped top and from said oven into said collector box chamber.

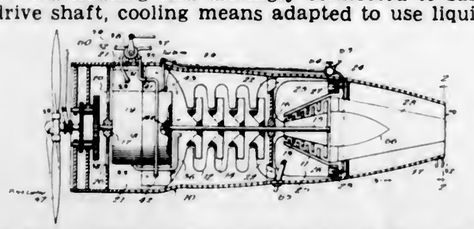
2,586,024
ROWING MACHINE
Frank T. Glasgow, Lexington, Va.
Application February 15, 1949, Serial No. 76,447
1 Claim. (Cl. 272—72)



A device for training athletes in the rudiments of the art of sculling, comprising a frame having a rowing seat and foot-rest means therein, and having means extending laterally from said frame to provide a rigid fulcrum point for a sculling oar, said frame adapted to be secured in a fixed position relative to the side wall of a swimming pool with one side of said frame resting upon the upper edge of the usual splash gutter of the swimming pool and with said side of the frame in intimate abutting relation with said side wall, tension means on said frame adapted to be intercoupled with an adjacent portion of the swimming pool for sustaining said frame adjacent the side wall of the swimming pool in outstanding non-waterborne relation thereto overlying the surface of the water, braces hinged to the opposite ends of said frame adjacent the outer side thereof, the lower ends of said braces adapted to engage the side wall of said swimming pool, and tension members between points intermediate each of said braces and said frame.

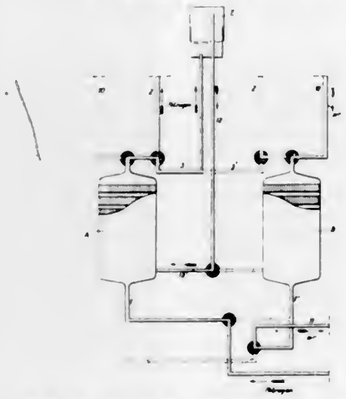
2,586,025
JET REACTION ENGINE OF THE TURBINE TYPE
Homer C. Godfrey, Chicago, Ill.
Application January 5, 1946, Serial No. 639,478
4 Claims. (Cl. 60—35.6)

1. A propulsion unit comprising a housing, a combustion chamber within said housing, an air compressor positioned within said housing, said housing having passageways to permit the entrance of air to said compressor and having passageways between said compressor and said combustion chamber to permit the passage of air from said compressor to said combustion chamber, a drive shaft rotatably mounted in said housing and drivingly connected to said compressor, means for exhausting combustion effluent from said combustion chamber, a turbine drivingly connected to said drive shaft and positioned in said exhausting means in position to be driven by the passage of combustion effluent from said combustion chamber through said exhausting means, a second turbine positioned within said housing and drivingly connected to said drive shaft, a third turbine positioned within said housing and drivingly connected to said drive shaft, cooling means adapted to use liquid



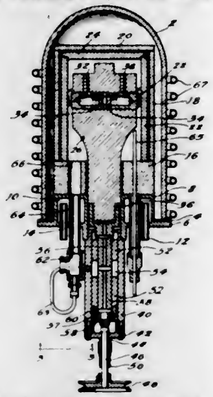
as the cooling medium, means for feeding fuel and a comburent into said cooling means, means including said second turbine providing passageways for transferring fuel from said cooling means to said combustion chamber, said second turbine being disposed in position to be driven by such passage of fuel from said cooling means to said combustion chamber, means including said third turbine providing passageways for transferring a comburent from said cooling means to said compressor, said third turbine being disposed in position to be driven by such passage of comburent from said cooling means to said compressor, means for controlling the flow of fuel to said combustion chamber, and means for controlling the flow of comburent to said compressor.

2,586,026
PROCESS FOR THE REMOVAL OF CARBON DIOXIDE FROM GASES BY COOLING
Eugène Gomonet, Paris, France, assignor to L'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France
Application July 8, 1949, Serial No. 103,697
In France July 21, 1948
7 Claims. (Cl. 62—175.5)



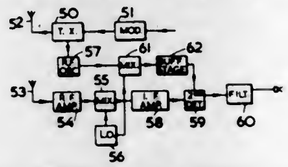
1. In a method of separating carbon dioxide from gases by alternately passing cooling gas and gases from which carbon dioxide is to be separated through regenerators to separate the carbon dioxide as a deposit by refrigeration and to remove the deposited carbon dioxide by sublimating in the cooling gas, the steps of collecting a portion of cooling gas passed through the regenerator in one cooling period near the end of the cooling period and which is substantially free from carbon dioxide, retaining the collected gas, and adding the so collected gas to cooling gas used in a subsequent cooling period to provide a mass of cooling gas in excess of the gas from which the carbon dioxide is to be separated.

2,586,027
CASTING APPARATUS
C F. Gray, Baton Rouge, La., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application March 25, 1947, Serial No. 737,143
9 Claims. (Cl. 22—65)



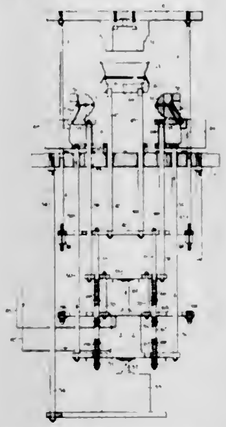
9. Apparatus for melting metal that comprises a chamber, a rotatable shaft positioned in the chamber, a rotor fixed to said shaft and positioned in the chamber, said rotor being adapted to receive and retain metal to be melted in at least two opposed molds to maintain the rotor in balance, induction heating means surrounding the chamber and the rotor therein, and means for evacuating said chamber.

2,586,028
RADIO ECHO MOVING TARGET INDICATOR
Harry Grayson, Longsight, Manchester, and Denis Edwin Brown, Chilton, near Didcot, England
Application August 5, 1947, Serial No. 766,309
In Great Britain February 28, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 28, 1965
7 Claims. (Cl. 343—12)



1. A radar system for the detection of moving objects employing a pulse modulated wave and utilizing the Doppler shift of frequency produced by such movement, comprising a transmitter arranged to generate exploring pulses under the control of a radio frequency oscillation derived from an oscillation source, a superheterodyne receiver to which received echo signals are adapted to be applied, a mixer stage adapted to mix signals from the receiver local oscillator with signals from said oscillation source and to give an output reference oscillation at the intermediate frequency of said receiver, and means for injecting said reference oscillation into said receiver to mix with echo signals at the intermediate frequency.

2,586,029
APPARATUS FOR FORMING DROP-CENTER RIMS
Robert O. Greenshields, Detroit, Ottmar E. Schmidt, Grosse Pointe Woods, and John G. Kay, Detroit, Mich., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 12, 1949, Serial No. 70,552
9 Claims. (Cl. 153—2)

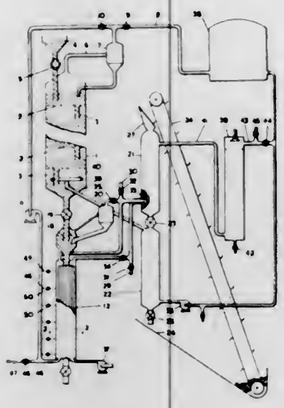


9. In a machine for forming an annular article from an annular blank having a central groove, the combination comprising a set of segmental dies normally mounted radially outside a blank-working position, means including an axially movable lower die, normally raised above said blank-working position, for moving a blank into coincidence with said blank-working position, the lower axially movable die passing to a position below the segmental dies in this movement, means for then moving said segmental dies radially inward into a position in which they engage the central groove of the blank, an upper axially movable die cooperating with said lower die to follow it down, and said upper and lower dies, by subsequent relative approach movement toward each other, engaging the portions of the blank between said central groove and the blank margins, respectively, for forcing said portions against said segmental dies, and means for effecting said relative approach movements of said upper and lower dies to cause them to bear with equalized pressure against said portions of the blank while said blank is engaged as aforesaid by said segmental dies, whereby to bend said portions against the segmental dies.

2,586,030
MANUFACTURE OF CYANIDES
Walter Henry Groombridge and William Hunter, Spondon, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application April 29, 1948, Serial No. 24,074
In Great Britain May 8, 1947
13 Claims. (Cl. 23—82)

1. Process for the production of alkali metal cyanide by reaction between an alkali metal car-

bonate, carbon and oxygen-free nitrogen, which comprises carrying out the cyanide forming reaction in a thermally insulated reaction zone while introducing nitrogen therein at a rate at least 10 times as fast as it is used, passing part of the gaseous reaction products issuing from the reaction zone to a combustion zone in which the entering gaseous reaction products containing carbon monoxide produced in the reaction are mixed and burnt with substantially the the-



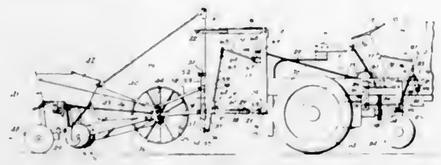
oretical quantity of air necessary to react with the carbon monoxide present, venting part of the combustion products and adding the nitrogen content of the remainder to a supply of said gaseous reaction products, preheating gas comprising nitrogen with the heat produced in the aforementioned combustion zone to substantially above the reaction temperature, and introducing the preheated gas into the reaction zone to supply reaction heat to continue the process.

2,586,031
COMBINED PILLOWCASE AND BED SHEET
Anna Marie Hahne, Warminster, Pa.
Application March 31, 1951, Serial No. 218,564
2 Claims. (Cl. 5—334)



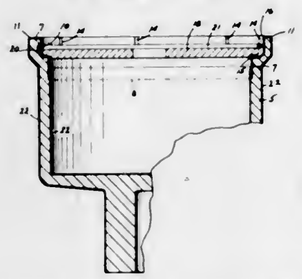
1. The combination of a bed sheet and a pillow case secured thereto, said sheet comprising a rectangular body portion and side and end flaps integral with said body portion and arranged to underlie the bottom surface of said body portion, each side flap being sewed to the adjacent edges of the end flaps along lines of stitching extending inwardly from the respective corners of the sheet toward the longitudinal axis of said body portion, a line of stitching extending close to and parallel to the juncture of each flap with the body portion and passing through the adjacent parts of said flap and body portion, and said pillow case being disposed transversely of said body portion and comprising a piece of cloth secured to said body portion by spaced lines of stitching extending parallel to one end of said body portion to form a receptacle for receiving therein one or more pillows.

2,586,032
MACHINE FOR PLANTING GRAIN BETWEEN ROWS OF STANDING CORN AND THE LIKE
Edwin D. Haley, McComb, Ohio
Application December 9, 1949, Serial No. 131,963
4 Claims. (Cl. 97—47)



3. A hitch device for connecting the rear end of a tractor equipped with a drawbar to the forward end of a gain drill frame, said hitch device comprising an upstanding frame mounted upon said drawbar, a rearwardly longitudinally extending bar secured to the top of said frame and having a guide means, a vertically disposed rod slidably engaging in said guide means, the longitudinally extending hitch bar having its forward end connected with said drawbar and having a vertical sleeve pivotally connected with its rear end, the sleeve receiving said vertical rod thereon for reciprocation, a member secured to said rod for movement therewith and arranged longitudinally rearwardly of said sleeve, the forward end of said grain drill frame being fixedly connected with said member to be raised and lowered thereby, and a hand actuable means operatively connected to the bottom of said vertical rod for raising and lowering said rod and member to elevate and lower the forward end of the grain drill frame.

2,586,033
METALLICALLY SHEATHED BUCKET RIM
Hugh D. Haley, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application August 29, 1950, Serial No. 181,965
10 Claims. (Cl. 57—76)

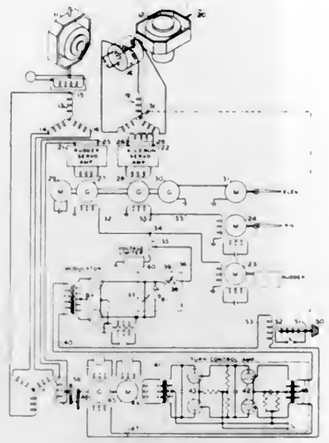


1. A spinning bucket for building substantially cylindrical yarn cakes comprising a cover, and a two-member body comprising a base member and a metallic lamina secured thereto, said body having a rim section providing seating and centering surfaces for the cover, said surfaces constituting substantially the exposed surfaces of the metallic lamina.

2,586,034
AIRCRAFT AUTOMATIC PILOT
Percy Halpert, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application February 23, 1946, Serial No. 649,601
9 Claims. (Cl. 244—77)

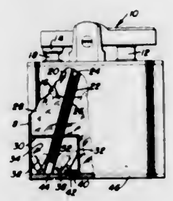
9. In an automatic pilot for aircraft having aileron and rudder control surfaces, servo means

for controlling the ailerons, servo means for controlling the rudder, a single control means including means for setting in a desired angle of bank for controlling both said servo means to



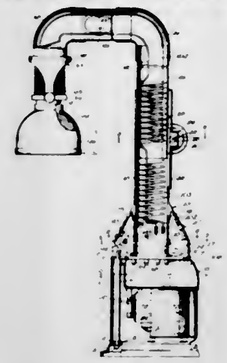
effect a desired bank of said craft and simultaneously a turn at a proportionate rate, and means for automatically modifying the preset rate of turn of the craft upon persisting aileron deflection to eliminate such deflection.

2,586,035
POCKET LIGHTER WITH COILED SPRING FOLLOWER UNIT
Cecil A. Hart, Hackensack, N. J.
Application May 15, 1950, Serial No. 161,964
2 Claims. (Cl. 67—7.1)



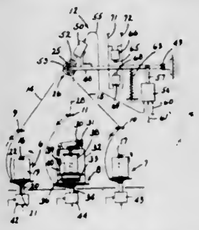
1. A pocket lighter of the class shown and described comprising a casing having a wick-equipped neck, a flint cylinder, means for igniting the wick, a flint in said cylinder, a coiled spring in said cylinder, said cylinder being provided adjacent its lower end only with a slot, said casing having an aligned coacting slot at its lower end only and both slots being relatively short and opening through the lower ends of the cylinder and casing, respectively, and a one-piece follower unit embodying an arm slidable in said slots, a follower disk on one end of the arm and slidable in said cylinder against the adjacent end of said spring, a push-button on the other end of said arm, said push-button being located exteriorly of the slot in said casing for convenient operation, and a stabilizing flange carried by said arm in spaced parallelism with said push button, said flange having wiping contact with the interior of said casing and bridging the slot in said casing.

2,586,036
HAIR DRIER
Einar Hedin, Chicago, Ill.
Application October 11, 1948, Serial No. 53,952
14 Claims. (Cl. 34—48)
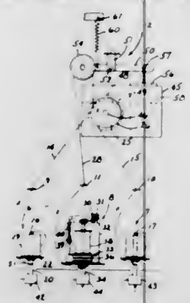


1. A hair drier comprising a hood adapted to be applied over the head of a person, said hood being of a size larger than a person's head so as to provide a space about the head interiorly of the hood, a suction pipe line communicating with the interior of the hood, suction means for creating a suction in said hood to draw air into the hood through the said space, an expansible bellows-like member interposed between the hood and the pipe line to permit vertical adjustment of said hood, a fluid circulating coil in said hood, and means extending in said suction pipe line for circulating a fluid in said coil, including a fluid pipe connected with said coil, said pipe extending in said suction pipe line and having a helical coil to accommodate movement of said hood with respect to said suction pipe line.

2,586,037
UNIFORM STRAND TENSION DEVICE
Robert D. Heffelfinger, Lansdowne, Pa.
Application January 23, 1951, Serial No. 207,344
14 Claims. (Cl. 57—58)



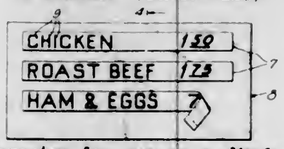
1. A system for doubling a plurality of strands into a cord comprising a plurality of strand supplies, a doubling means having a flyer for strand balloon formation, means mounted on the doubling means for drawing the strands from the supplies through the doubling position and then the cord into the balloon of the doubling means, and a tension device mounted to receive the strands from the supplies and to discharge them as a group toward the doubling means, said device comprising means for positively engaging the strands, means associated with the strand-engaging means for detecting the tension of the strand group leaving the device, and means associated with the detecting means for controlling the strand-engaging means, said control means being inversely responsive to the magnitude of the tension detected.

2,586,038
UNIFORM STRAND TENSION DEVICE
Robert D. Heffelfinger, Lansdowne, and Joseph A. Truitt, West Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application January 23, 1951, Serial No. 207,345
12 Claims. (Cl. 57—58)



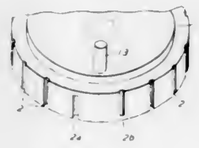
1. Cord twisting apparatus comprising supply sources for a plurality of strands, a doubler having strand-feeding means for positively engaging a strand material, said strand-feeding means being connected in positive drive relationship with the drive means, a stationary strand guide mounted in spaced axial relationship with the doubler and an adjustable automatically compensating tension control mechanism for receiving the plurality of strands, gathering them into a group, and discharging the group toward and through the guide, said mechanism comprising a container, a rotor supported within the container on a fixed axis of rotation, a gathering roll rotatably mounted outside the container, means for connecting the roll and the rotor in positive drive relationship, said rotor having radially extending blades, a pulley, a lever for rotatably supporting the pulley on an axis generally parallel to the axis of rotation of the roll and along an ambit extending toward, and away from, the guide, a liquid displacement member suspended from said lever within the container, stationary means for pivotably supporting the lever above the container, said support means being connected to the lever at a portion thereof spaced between the portion from which the displacement member is suspended and the portion supporting the pulley, resilient means connected with the lever for urging it in a direction to carry the pulley away from the guide and the displacement member downwardly into the container, and a liquid supported within the container at a lever which substantially submerges the rotor when the displacement member is positioned at the bottom of its vertical ambit.

2,586,039
COMBINATION DISPLAY OR SUPPORTING BOARD AND ATTACHING PARTS
Emil J. Heggedal, Lynbrook, N. Y., assignor to James S. Cushman, New York, N. Y., and Harold F. Moonert, Willoughby, Ohio
Application April 8, 1947, Serial No. 740,099
8 Claims. (Cl. 40—125)



1. A character for use as a display element, formed as a homogeneous element adapted to be attached to a glossy support merely by application of slight pressure, said character comprising a piece of flat, flexible, air-impervious plastic material having at least one glossy, press polished, non-tacky surface by which said character may be firmly attached to said support.

2,586,040
RATCHET GEARING
Arthur Hoare, Carisbrooke, Isle of Wight, England, assignor to J. Samuel White & Company Limited, West Cowes, Isle of Wight, England, a British company
Application November 16, 1950, Serial No. 196,044
In Great Britain November 21, 1949
3 Claims. (Cl. 74—142)



1. An automatic reversing ratchet mechanism comprising a ratchet wheel, a double sided pawl co-operating with the wheel, a spring toggle mechanism which urges the pawl into whichever of its two operative positions it occupies, and at least one abutment connected to the ratchet wheel which acts on the pawl to throw it over from one operative position to the other, and reverse the direction of operation of the ratchet mechanism when the ratchet wheel reaches a predetermined angular position in each direction of rotation, the ratchet wheel having teeth formed by slots in the circumference of the wheel, the slots in the vicinity of each reversal point on the wheel which is adjacent to the pawl when the ratchet wheel is reversed being off-set in opposite axial directions on either side of the reversal point, and the pawl having noses which are correspondingly off-set in the opposite direction respectively to prevent the ratchet wheel from overrunning in the event of a failure of the reversal mechanism.

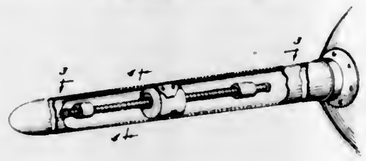
2,586,041
LOW-ALLOY, HIGH-HARDENABILITY STEEL WITH HIGH TOUGHNESS AT HIGH HARDNESS LEVELS
John M. Hodge and Richard D. Manning, Pittsburgh, Pa., assignors to United States Steel Company, a corporation of New Jersey
No Drawing. Application April 6, 1951, Serial No. 219,771
2 Claims. (Cl. 75—128)

1. A high-hardenability steel characterized by less than 4% total alloy content and less than 1% nickel and tensile strengths in excess of 220,000 p. s. i. and a V-Notch, Charpy-bar impact value in excess of 20 ft.-lbs. at —100° F. after heat treating by cooling sufficiently rapidly from an austenitizing temperature to obtain a martensitic structure and thereafter tempering within the range of 400 to 500° F., said steel comprising .22 to .37% carbon, .65 to .95% manganese, .55 to .75% silicon, .70 to 95% nickel, .70 to .90% chromium, .40 to .60% molybdenum, .002 to .006% boron, balance iron and residual amounts of other elements.

2,586,042
LOW-ALLOY HIGH-YIELD STRENGTH WELDABLE STEEL
John M. Hodge and Richard D. Manning, Pittsburgh, Pa., assignors to United States Steel Company, a corporation of New Jersey
No Drawing. Application April 6, 1951, Serial No. 219,772
2 Claims. (Cl. 75—128)

1. A low-alloy, high-strength steel, characterized by good weldability and toughness, when heat treated by cooling sufficiently rapidly from an austenitizing temperature to obtain a martensitic microstructure and thereafter tempering at temperatures over 1100° F., said steel comprising from .10 to .20% carbon, .60 to 1.00% manganese, .70 to 1.00% nickel, .40 to .80% chromium, .40 to 60% molybdenum, .03 to .10 vanadium, .002 to .006% boron, .15 to .35% silicon, .0 to .50% copper, balance iron and residual amounts of other elements.

2,586,043
KINETIC BOOM DAMPER
Richard W. Hodgson, Compton, and Norman C. Parrish, Redondo Beach, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application October 14, 1950, Serial No. 190,116
5 Claims. (Cl. 188—1)



1. A vibration damper comprising a tube supported at one end and subject to radial vibration, a fixed support in said tube, a rotatable cylinder eccentrically encircled by said fixed support, a flexible cantilever beam projecting eccentrically from each end of said cylinder, weights slidably mounted adjacent the end of each cantilever beam, resilient means for controlling the axial movement and position of said weights, and means for locking said rotatable cylinder in any desired position in relation to said support.

2,586,044
MEANS FOR TAKING UP SLACK IN LEAD SCREW DEVICES
Milo Horsky, Long Island City, N. Y., assignor to John W. Gasser, Woodside, N. Y.
Application December 6, 1948, Serial No. 63,810
12 Claims. (Cl. 74—441)



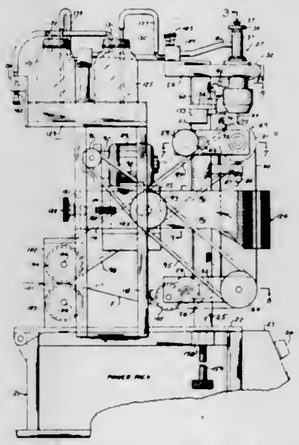
1. A nut for engagement with a threaded shaft, comprising a main nut body having a bore threaded to engage with the said threaded shaft received therein, said nut body having a slot formed therein, and a nut tightening member movably disposed in said slot and adapted to engage with the threads of said threaded shaft to take up any play between the main nut body and the threaded shaft, means for guiding the movement of said nut tightening member in an oblique path with respect to the axis of the bore and means for limiting the oblique movement of said nut tightening member in a direction toward said bore whereby to prevent locking.

2,586,045
SOCK-TYPE FOOTWEAR
John Hoza, Belcamp, Md.
Application June 23, 1950, Serial No. 169,969
1 Claim. (Cl. 36—9)



An article of footwear comprising a seamless open mesh knit sock including a foot portion, a relatively thick inner sole formed of sponge rubber cemented to the bottom of the foot portion of the open mesh seamless sock, a thin fabric strip cemented to the side wall of the open mesh sock and the under side of the margin of the sponge rubber, a rubber foxing strip overlying the thin fabric strip and extended beyond the upper and lower edges of said fabric strip, the upper edge of the rubber foxing strip being cemented to the lower portion of the side wall of the sock and the lower edge cemented to the bottom of the sponge rubber inner sole and the intermediate portion being cemented to the fabric strip; a thin fabric sheet cemented to and extending entirely over the bottom of the sponge rubber inner sole and over the lower portion of the rubber foxing strip and cemented thereto, and a thin sheet of rubber extending over the fabric sheet and up and around the lower portion of the sides of the rubber foxing strip, said thin sheet of rubber being cemented to the fabric sheet and the rubber foxing strip.

2,586,046
FILAMENT FORMING APPARATUS
William C. Huebner, New York, N. Y.
Application January 28, 1949, Serial No. 73,374
34 Claims. (Cl. 18—8)



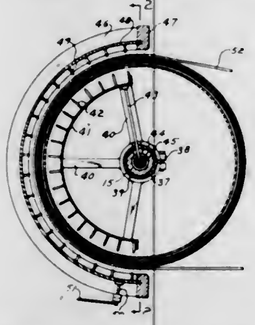
1. An apparatus for producing a continuous filament from electrically chargeable material in fluid state comprising, a stationary discharge

element, a receiving means including a rotating electrode aligned with but spaced from said discharge element and insulated therefrom, means in communication with the exterior of said discharge element for supplying the filament forming material to the exterior surface thereof to flow therealong as a film, a source of high potential direct current electrical energy, and conductive means respectively connecting said discharge element and said electrode to terminals of opposite polarity of said source of electrical energy thereby creating a material transferring electrical potential difference between said stationary discharge element and said rotating electrode whereby the said material film on the exterior of the discharge element migrates from the said element to said electrode in a continuous and individual filamentary form under influence of the electrical lines of force therebetween and the formed continuous and individual filament is removed from the space between said element and electrode by rotation of the latter.

2,586,047
ELECTRONOGRAPHIC PRINTING APPARATUS

William C. Huebner, New York, N. Y.

Application August 13, 1947, Serial No. 768,308
7 Claims. (Cl. 101—116)

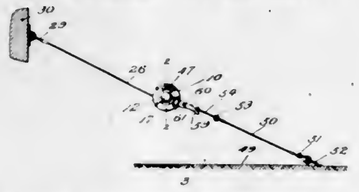


1. In an electronographic printing couple, a rotatable cylindrical printing member having an outer wall provided with porous image portions and imperforate non-image portions, a stationary discharge member located within said printing member and adapted to be connected to one pole of a source of high potential electric energy, a stationary attraction member located exteriorly of said printing member in spaced relation thereto and adapted to be connected to the other pole of said source of energy, said discharge and attraction elements being substantially coextensive in length with said printing member and being curved concentrically to the curvature of said printing member and correlated to each other and extending through a substantial arc, said printing member being provided interiorly thereof with means for containing an ink supply and in communication with the pores of said image portions, said printing member being adapted to have a web of print receiving material passing around its exterior circumference in contact therewith throughout an arc substantially coextensive with the discharge and attraction members with said web located within the space between the printing member and the attraction member and moving in timed relation to said printing member, wherefore when said discharge and attraction members are energized an electrostatic field of force is created therebetween with the lines of force thereof passing through the outer wall of the printing member and acting to migrate the ink from the ink supply within the printing member through the pores of the image portions and upon the print receiving material to reproduce the printed image thereon.

2,586,048
CABLE TIGHTENING AND REELING APPARATUS

Samuel W. Hyatt, Columbus, Ohio, assignor to The D. L. Auld Company, Columbus, Ohio, a corporation of Ohio

Application March 30, 1946, Serial No. 658,379
8 Claims. (Cl. 254—161)

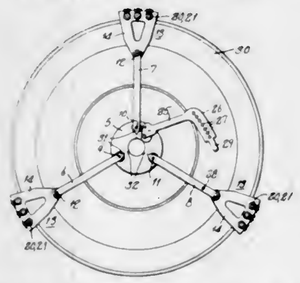


5. Lashing apparatus comprising a casing, a manually operated reel rotatably mounted within said casing, a lashing cable connected at one end of said reel and extending through an opening formed in the periphery of said casing to an attaching object, an anchoring cable extending from said casing on the side thereof opposite to the lashing cable, said anchoring cable having the outer end thereof adapted for attachment to a fixed support, a lever arm pivotally carried by the outer part of said casing, means uniting said anchoring cable at the inner end thereof to said lever arm in eccentric relation to the pivotal axis of said arm, whereby to cause said arm when turned in one direction to apply final tensioning forces to both the lashing and anchoring cables in addition to the tensioning forces originally obtained on said cables through the operation of said reel, and means for positively retaining the lever arm against accidental movement when the same is positioned to apply final tensioning forces to said cables.

2,586,049
TRACTION DEVICE FOR VEHICLE WHEELS

Jules Jacobs, New City, N. Y.

Application November 22, 1949, Serial No. 128,787
6 Claims. (Cl. 152—217)

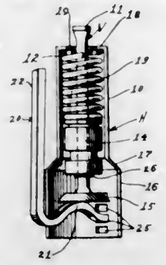


1. A device of the character described including a central turnable crank, radially disposed arms pivoted to the crank, tire clamping members pivoted to the outer ends of the arms, a pin carried by one of the arms, and a lever fixed to the crank, the crank being movable by the lever whereby the outer extremity of the latter is adjustably engageable with the pin to tighten and lock the members with respect to the tread.

2,586,050
VALVE SPRING COMPRESSOR

Emil Jensen, Union Grove, Wis.

Application April 29, 1949, Serial No. 90,395
1 Claim. (Cl. 29—219)

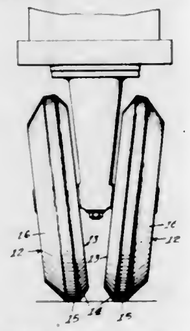


In a valve spring compressor, a holder comprising an upper semi-cylindrical portion, an intermediate outwardly flared portion and a lower semi-cylindrical portion, a semi-circular flange inturned from the top end of said upper portion, said lower portion having a vertically aligned set of spaced slotted openings formed adjacent one of its vertical edges, a hand lever having an elongated handle portion normally disposed vertically alongside the holder, and an arcuate head portion bent at right angles from the lower end of said handle portion, the free end of said head portion being adapted to be selectively engaged in said slotted openings to fulcrum on the lower edge of the engaged opening to affect compression of the valve spring between the arcuate portion of said head portion and said flange, when the handle portion of said lever is swung outward and downward relatively to the holder, the connected end portion of said head portion having sliding contact with the other vertical edge of the lower portion of the holder during the operative movements of said lever.

2,586,051
FRONT TRACTOR TIRE

Henry J. Jezek, Eddy, Tex.

Application October 21, 1947, Serial No. 781,144
2 Claims. (Cl. 152—323)

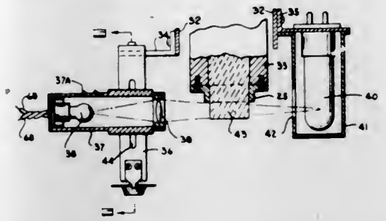


1. A vehicle wheel tire of solid compressible material having a flat circumferential tread surface which is relatively narrow with respect to the width of the tire and which is formed nearer to one side of the tire than to the opposite thereof, the tire having an inclined wall extending from the said one side of the tire obliquely inward to the near side edge of said tread surface, and a relatively wider inclined wall extending from the said opposite side of the tire obliquely inward to the opposite side edge of said tread surface.

2,586,052
CUTOFF MECHANISM

Frederick Orlo Johnson, Birmingham, Mich.

Application January 18, 1947, Serial No. 722,894
3 Claims. (Cl. 250—218)

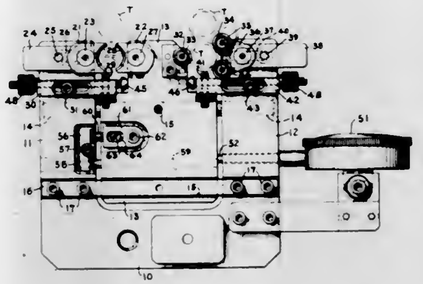


1. An adjustable control mechanism having a light sensitive circuit for controlling the thickness of an extruded material to be cut off adjacent an extrusion orifice, including a fixed U-shaped bracket comprising parallel outwardly extending end portions and a transverse portion having a longitudinal extending guide slot, a lead screw positioned opposite said slot and having the ends thereof journaled for rotation in said end portions, a lamp housing positioned on the outer side of the bracket and having a pilot extending through said guide slot, the end of said pilot engaging the threads of said screw, a lamp within said housing, said lamp housing being movable relative to said bracket in response to rotation of said screw.

2,586,053
ANALYZER GAUGE

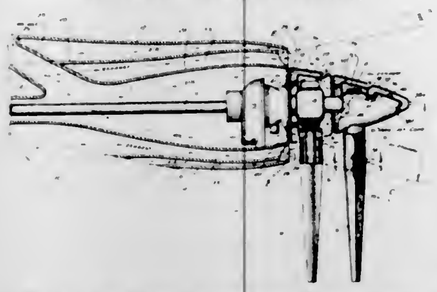
Paul W. Johnson, Bloomfield, Conn., assignor to The Johnson Gage Company, Bloomfield, Conn., a corporation of Connecticut

Application September 24, 1946, Serial No. 698,955
15 Claims. (Cl. 33—199)



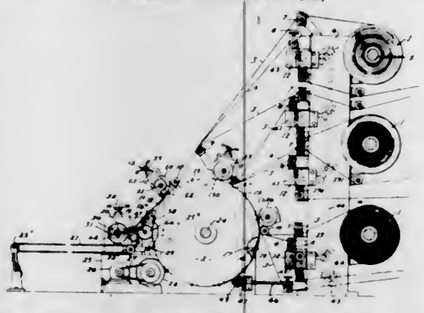
1. A gage for gaging a test part of circular cross section comprising a frame member having a support, a movable member carried by the frame member and movable toward and away from the support, a pair of cooperating gaging means one of the pair being mounted upon a support and the other on the movable member to shift the position of the latter, the cooperating gaging means being spaced apart to receive a test part therebetween, at least one of the gaging means of the pair engaging a test part at two spaced points peripherally thereof and at less than a diameter thereof, an indicator carried by one member having an external operating pin and actuated upon movement of the movable member, and leverage means connected between the movable member and the operating pin of the indicator to amplify the movement of the movable member transmitted to the indicator.

2,586,054
PUSHER TURBOPROP EXHAUST SYSTEM
Julius Jonas, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application August 21, 1948, Serial No. 45,547
2 Claims. (Cl. 170—135.71)



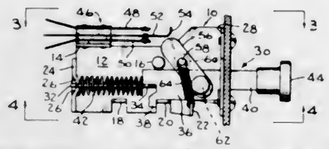
1. In an airplane, a gaseous combustion turbine, a drive shaft forming an extension of the shaft of said turbine and extending rearwardly thereof, a multiple bladed pusher propeller connected to be rotated by said drive shaft, an exhaust duct carrying gases from said turbine positioned around said drive shaft and terminating in an exhaust vent forward of and adjacent the roots only of the blades of said propeller, a hollow spinner fairing the junction of said drive shaft and said propeller blades, means for conducting outside air into the interior of said spinner, a shroud around each of the root portions of said blades in the path of the exhaust gases, said shroud being spaced from said root portion, each of said shrouds having an opening over which exhaust gases pass, said opening being shaped to eject air from between said shrouds and said roots, said spaces between said shrouds and said roots being connected to receive air from within said spinner.

2,586,055
MACHINE FOR MAKING MANIFOLD FORMS OR PADS
Rudolph M. Kanik, Black River, N. Y.
Application May 13, 1949, Serial No. 93,159
1 Claim. (Cl. 270—52)



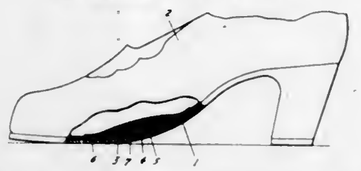
A machine for making manifold forms comprising a frame having supports for rolls of strips, and a power operated feed roll carried by the frame, over a portion of the periphery of which the strips are passed one upon the other, the feed roll having cutting blades projecting radially at intervals therefrom arranged to cut transverse incisions in the strips at a right angle to the side margins of the strips with respect to the direction of feeding movement, the blades serving as teeth to apply a pulling tension to the strips, the blades being located intermediate of the ends of the feed roll and hence intermediate of the side margins of the strips, and knives carried by the frame and spaced from the feed roll in the direction of the feeding movement of the strips, and arranged to sever the strips transversely in a line coincident with the incisions made by the blades, and actuating mechanism for the feed roll and the knives.

2,586,056
MOMENTARY CONTACT SWITCH OF THE PUSH-BUTTON TYPE
Arnold G. Kling and Charles R. Goerg, Milwaukee, Wis., assignors to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application December 2, 1949, Serial No. 130,766
5 Claims. (Cl. 200—160)



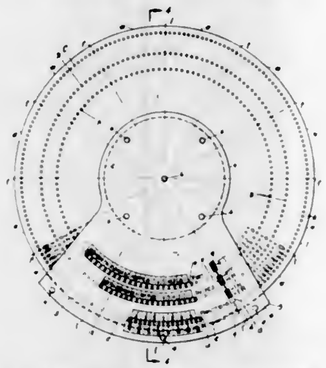
4. A push button switch comprising a frame, a push bar slidably carried in said frame between normal and inner positions, a spring urging said bar to normal position, said spring being strong enough to require enough operating force to initiate movement of said bar to cause said bar to travel to said inner position before the operator can in normal use remove the operating force, a spring contact normally biased to one of two operating positions, an operating member carried by said bar, spring means biasing said member over-center into either of contact engaging or non-engaging positions with snap action, said member being engageable with said spring contact only during the intermediate portion of the over-center travel carried by the inward movement of said bar, means for shifting said member over-center from contact engaging position as said bar is moved toward inner position, and means for shifting said member over-center from contact non-engaging position as said bar moves outwardly to normal position.

2,586,057
FOOT-SUPPORTING MEANS
Hans Cäsar Knellwolf, Zurich, Switzerland
Application August 4, 1947, Serial No. 765,981
In Switzerland May 13, 1947
4 Claims. (Cl. 36—71)



1. In a shoe, in combination, a sole having outer and inner side edges, a substantially flat front portion, an inclined shank portion and a curved sole portion located between said front portion and said shank portion, merging into the same, and having a concave upper face, a resilient, flat, supporting strip located across said concave upper face of said curved sole portion and having opposite ends supported by said sole, one of said ends being located adjacent said outer side edge of said sole in the region where said curved sole portion merges into said flat front portion and the other of said ends being located substantially centrally between said side edges of said sole in the region where said curved sole portion merges into said inclined shank portion, so that said flat supporting strip extends diagonally over said curved sole portion and bridges the same; and a flexible cover sheet located over said concave upper face of said curved sole portion and said resilient supporting strip, said flexible cover sheet extending over a greater area than said curved sole portion so as to rest against said front and shank portions of said sole.

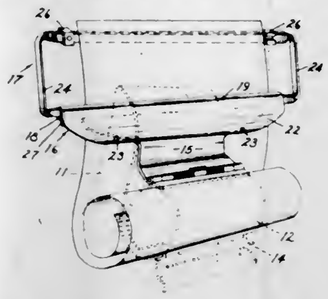
2,586,058
DIAL ADDING MACHINE
Edward T. Knopke, Detroit, Mich.
Application January 18, 1947, Serial No. 722,897
1 Claim. (Cl. 235—83)



A dial adding machine comprising a tabulating frame formed of double circular segments joined together along their circumference edges, and having a circular bearing disc fixedly mounted therebetween at the segment circle center, said frame being formed with circular arc operating and indicator recesses positioned along concentric circles about its bearing center, a graduated computing dial rotatably mounted on said frame bearing disc, said dial graduations being arranged in three concentric circles each positioned to rotate beneath its respective frame operating and indicator recess openings, designed to represent "feet," "inches," and "fractions of inches," respectively, a suitable pencil point operating hole formed through the dial at each graduation point, numerals placed at each dial graduation point hole, to indicate "feet," "inches," and "fractions of inches" respectively, as are there represented, means for rotating said dial within the tabulating frame operating recesses a predetermined distance for each numerical amount to be added, and in a manner to position the sum-total within the respective frame indicator opening, and spring latch means for locking said dial at its initial zero position when rotated anti-clockwise for clearing the machine.

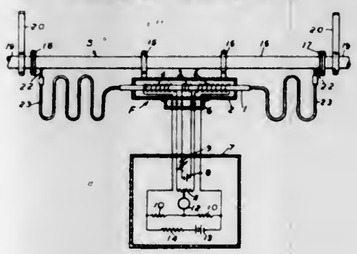
2,586,059
COPYHOLDER PAPER SUPPORT
Charles H. Koeppel, North Woodbury, Conn., assignor, by mesne assignments, to Rite Line Corporation, Washington, D. C., a corporation of Delaware
Application October 2, 1950, Serial No. 187,965
2 Claims. (Cl. 120—29)

1. A paper guide attachment for a copyholder comprising a plurality of frame sections in overlapped relation, sleeves for keeping the top rails of said frame sections contiguous and in sliding relation to each other, a guide flap adapted for



attachment to the copyholder, and said guide flap having a channel for slidably accommodating the lower rails of said frame sections.

2,586,060
ARRANGEMENT FOR MEASURING OR INDICATING THE FLOW OF FLUIDS
Hans Kronberger, Harwell, England, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England
Application September 18, 1947, Serial No. 774,807
In Great Britain October 1, 1946
4 Claims. (Cl. 73—202)

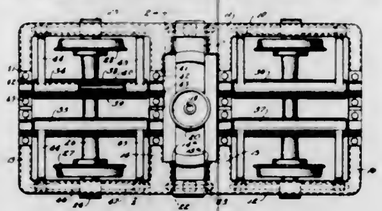


1. An arrangement for measuring a rate of fluid flow comprising a flowmeter associated with a tube of cross sectional area sufficiently small in relation to its length that for the fluid being measured the kinetic pressure drop is small compared with the viscous pressure drop and substantially laminar flow obtains over a wide range of flow rates shunted by a flow resistance constituted by a number of passageways each dimensioned as is said tube to provide laminar flow and being sufficient in number and length for the percentage change in branching ratio of flow rates to be less than the flowmeter's percentage deviation from linear response over said range.

2,586,061
TRUCK FOR RAIL VEHICLES
Alvin S. Krotz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Original application November 26, 1943, Serial No. 511,776. Divided and this application February 15, 1946, Serial No. 647,803
5 Claims. (Cl. 105—197)

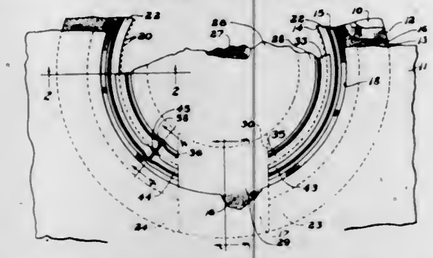
1. A truck for a rail vehicle, said truck comprising a pair of parallel wheeled axles each having a pair of wheels fixed thereto in spaced-apart relation, a truck-frame structure comprising a pair of side-frame members and means holding them in fixed parallel relation, said side-frame

members having vertical guideways, journal bearings each slideably mounted for vertical movement in said guideways for journaling the ends of said axles, pairs of resilient spring structures mounted on said truck-frame structure for supporting said frame structure from said axles, there being one spring structure at each side of the longitudinal center line of the truck for each of said axles, each said spring structure comprising a housing member, an inner member extending therethrough in spaced-apart relation thereto, and an intermediate body of resilient



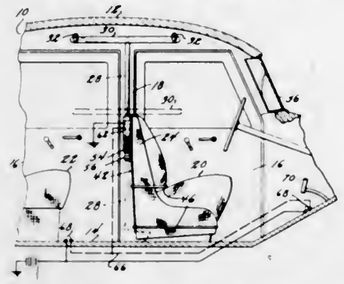
rubber-like material therebetween and secured to said members, one of said members of each spring structure being fixed to said car-supporting frame structure with the axis of the spring structure parallel to and adjacent said center line of the truck, and the other said member of each spring structure having an arm extending toward the side of the truck with its end supported by and connected to a journal bearing at an end of an axle for swinging movement of said arm upon vertical movement of said journal bearing in its guideway.

2,586,062
PANEL CLOSURE ASSEMBLY
Carroll P. Krupp, Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 18, 1947, Serial No. 792,532
2 Claims. (Cl. 160—354)



1. A panel closure assembly for a wall access-opening, said assembly comprising a circular ring structure having an inner peripheral portion of resilient rubber-like material of increasing thickness towards its edge and a radial recess in a face of the structure, an inner panel in the space bounded by said peripheral portion having a hinge tab of resilient rubber-like material projecting radially therefrom and disposed in said recess in united relation to said structure for swinging movement of the panel into and out of said space, said panel having a marginal portion of said resilient rubber-like material of increasing thickness toward its edge and extending peripherally about said panel from one side of said hinge tab to the other side thereof, slide fastener means including cooperating fastener elements between and separably joining said peripheral portion and said marginal portion, and closure elements of resilient rubber-like material on said fastener elements at a face of the structure and panel, said closure elements and said fastener elements extending from one side of said hinge tab to the other side thereof and said closure elements merging at their end portions with said hinge tab in sealing relation to both sides of the hinge tab for continuity of closure of said access-opening in the closed condition of the assembly.

2,586,063
CRASH BARRIER FOR VEHICLE PASSENGERS
Robert A. Kurtz, Fostoria, Ohio
Application June 27, 1949, Serial No. 101,546
6 Claims. (Cl. 280—150)



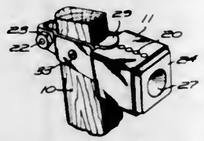
1. A crash barrier for vehicle passengers comprising a pair of vertically shiftable supports, one disposed on each side of a passenger station within the vehicle which station includes a seat having a back, said supports including extensions over and forwardly as to said seat, a bearing mounted on the seat back for slidably mounting each support, spring means operative between said supports and said seat for normally urging said supports downwardly, a catch carried by said seat for engaging one of said supports to hold said supports against movement downwardly, a remote control, an interconnection between said remote control and said catch, said control operable to release the catch and thereby permit said spring means to shift said supports downwardly, and a resilient line normally carried by and between said extensions above the passenger station, said line movable into a position in front of said passenger station by the downward movement of said supports.

2,586,064
CHILD'S EYE PATCH
Alice F. Landry, Pittsburgh, Pa.
Application November 13, 1946, Serial No. 709,457
1 Claim. (Cl. 2—206)



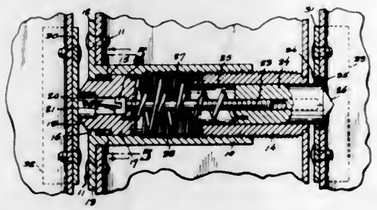
A device of the character described comprising a head covering for a child's head which in head engaging position has a rear edge extending along the nape of the neck and a front edge following the hair line on the forehead and extending downwardly along the jaw of the child's face to the opposite ends of said rear edge, an eye covering patch secured along one edge thereof to a portion of the front edge of the head covering extending from one of the rear ends to a point beyond the central portion of said front edge, the opposite edge of said patch extending over one eye and divided into two concave shaped edge portions which converge at a central point adjacent the nose of the child's face to permit full view of the eye not covered by the patch and full use of the child's mouth, and means connected to the rear ends of the rear edge of the head covering and the central point of the two concave shaped edge portions of said patch for retaining said head covering and patch in place on the child's head.

2,586,065
LOOM PICKER
Samuel W. La Rocque, Pawtucket, R. I.
Application September 23, 1949, Serial No. 117,384
3 Claims. (Cl. 139—159)



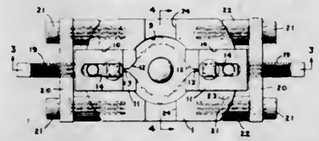
1. A picker comprising a rectangular sheet metal box open front and rear, strap portions extending integrally from the side edges of said box to hold said box on a picker stick, a picker head positioned slidably in said box, said picker head having a recess in the bottom wall, a clamp extending across the rear of said box and having a U-shaped tongue extending into said recess to lock said head in said box while permitting limited sliding movement of said head, and means behind said head and abutting said clamp for resiliently urging said head forwardly to absorb the shock of the impact of the loom shuttle.

2,586,066
SAFETY DOOR LOCK
Erling C. Larson, Bellevue, Wash., assignor to National Products Company, Seattle, Wash., a corporation of Washington
Application June 15, 1948, Serial No. 33,142
8 Claims. (Cl. 292—182)



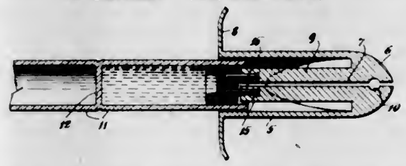
1. In a safety door-lock for four-door vehicle bodies of the character having a dividing post between the front and rear doors, the combination of a cylindrical casing open at both ends and secured to the post to have its front end exposed to the front face and its back end exposed to the back face of the post, a push-button provided with a through center-bore and mounted in the forward part of said casing for endwise sliding movement into and out of a position exposing the nose of the push-button beyond the front face of the post, the nose of said push-button being formed with an axial socket dimensionally larger than the bore, a bolt mounted in the rear part of said casing for endwise sliding movement into and out of a position exposing an end thereof beyond the rear face of the post, a spring acting upon the push-button to urge the same forwardly, a second spring exerting its thrust from the push-button to the bolt for urging the latter rearwardly, and a headed draw-bar slidably received through the bore of said push-button with its headed end bearing against the floor of the socket and connecting by its other end with the bolt.

2,586,067
TAP OR REAMER DRIVER
James W. Le Pree, Newark, N. J.
Application April 13, 1948, Serial No. 20,812
2 Claims. (Cl. 279—110)



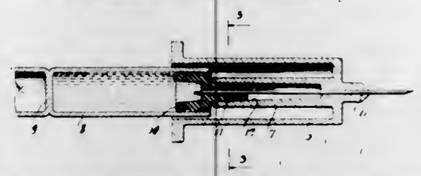
2. In a driver for taps, reamers or analogous tools, a supporting table, a machine engaging shank on said table and projecting centrally from the back of the table, said table having a tool shank receiving recess formed centrally in its face and having a pair of radial recesses in its face opening at their inner ends into said central recess, a pair of tool shank engaging clamping blocks slidably mounted in said radial recesses and having tool shank engaging recesses at the inner end thereof, guiding slots extending longitudinally in said clamping blocks, a first and a second threaded bore formed in said table for each of said clamping blocks and disposed perpendicularly to and formed in the radial line of said radial recess, guiding studs extending through said slots and in threaded engagement with at least one of said threaded bores, a carrying bar formed outwardly of said table and connected thereto athwart the radial line of said radial recess, and a threaded member threadably mounted in said carrying bar to abut and move said clamping bars inwardly in said recess.

2,586,068
SYRINGE ASSEMBLY
Marshall L. Lockhart, Rutherford, N. J.
Application April 4, 1950, Serial No. 153,792
4 Claims. (Cl. 128—220)



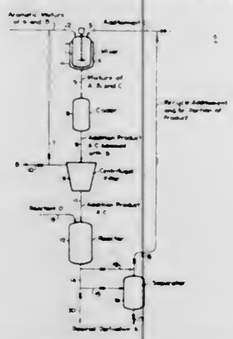
1. In a syringe assembly in combination a tubular holder, a thrust portion forming a part of said holder and extending into the bore thereof, an open ended ampule of a diameter such that it is insertible into the holder bore, a stopper sealing the open ampule end and engageable with said thrust portion to be projected thereby as a piston into the ampule and means forming a part of said stopper and thrust portion to automatically couple the former for withdrawal by the latter from the ampule as said thrust portion engages said stopper.

2,586,069
SYRINGE ASSEMBLY
Marshall L. Lockhart, Rutherford, N. J.
Application April 4, 1950, Serial No. 153,793
5 Claims. (Cl. 128—220)



1. A syringe assembly including in combination a tubular holder, a thrust portion forming a part of said holder and extending within the bore thereof, an ampule, a piston stopper closing the end of said ampule, an extension forming a part of said stopper and projecting towards said thrust portion and said thrust portion being formed with a bore to receive and frictionally engage the surfaces to said extension.

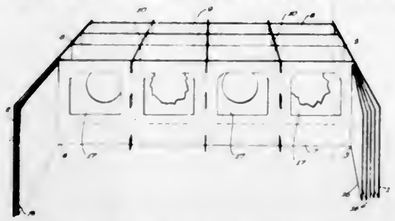
2,586,070
PROCESS FOR PRODUCING PHENOLIC DERIVATIVES
Daniel B. Luten, Jr., and Aldo De Benedictis, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application November 3, 1947, Serial No. 783,832
13 Claims. (Cl. 260—624)



4. The process of preparing derivatives of 2,4-xylenol from mixtures of xylenols including as a component thereof 2,4-xylenol, which comprises mixing said mixture of xylenols with 2,4-dimethyl-6-tertiary-butylphenol and forming an addition product of 2,4-xylenol and 2,4-dimethyl-6-tertiary-butylphenol, separating said addition product from the other substances of the admixture, butylating said addition product to form substantially pure 2,4-dimethyl-6-tertiary-butylphenol, and recycling a portion of the 2,4-dimethyl-6-tertiary-butylphenol to form additional addition product.

2,586,071
BOOK OF PERSPECTIVE VIEWS
Pedro Manen-Mayol, Barcelona, Spain
Application February 9, 1949, Serial No. 75,379
In Argentina August 20, 1948
1 Claim. (Cl. 40—65)

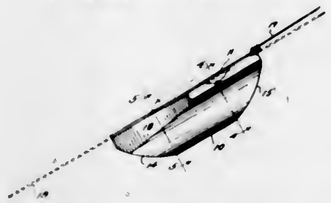
A dioramic book comprising two spaced separate covers of relatively stiff material, a series of transversely foldable longitudinally disposed dioramic sheets some of which are affixed to the covers, a plurality of transverse spacing elements intermediate the covers, interlocking means holding said spacing elements substantially rigidly joined to said dioramic sheets at the points where said sheets are foldable, said covers being provided with a flexible hinge-like portion substantially at the place where the front dioramic sheet is joined thereto, and said dioramic sheets being provided with registering apertures and display cut-outs, whereby when unfolded, said dioramic sheets are substantially rigidly held parallel to one another in separated planes.



2,586,072
PREPARATION OF DIACETYL WITH BUTTER CULTURES
Melvin Wayne Marcoux, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 21, 1947, Serial No. 756,337
5 Claims. (Cl. 99—140)

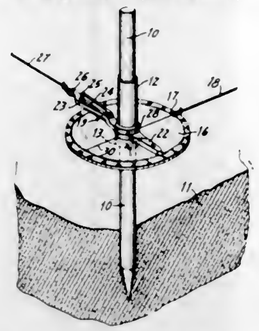
1. In a process for the preparation of diacetyl, the steps of inoculating milk with *Streptococcus diacetylactis*, and incubating the mixture of a temperature of from 75–80° F. for a period less than 12 hours and until at least a titratable acidity of about 0.55% lactic acid is present.

2,586,073
FISH LURE RELEASER
Harry G. McKee, Syracuse, N. Y., assignor of ten per cent to Nicholas C. Schneider, Syracuse, N. Y.
Application September 26, 1947, Serial No. 776,260
6 Claims. (Cl. 43—17.2)



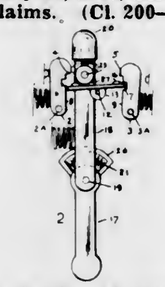
6. A fish lure releaser comprising an elongated body having an upper slotted sleeve portion for slidable engagement with a fishing line and a lower slotted sleeve portion for engagement over a lure body attached to the line, said slotted portions affording entrance and exit openings for engaging a fishing line with or disengaging it from said upper sleeve portion, said upper sleeve portion being substantially smaller in cross section than the lower slotted portion, said releaser body having a leading end, and weighting means secured to the leading end of said releaser body below the upper part of the upper slotted sleeve portion for increasing the impact of the fish lure releaser with a snagged lure and for maintaining the releaser body in slidable engagement with the fishing line.

2,586,074
LINE PROTRACTOR
Charles Memluck, Utica, Mich.
Application December 10, 1949, Serial No. 132,360
2 Claims. (Cl. 33—1)



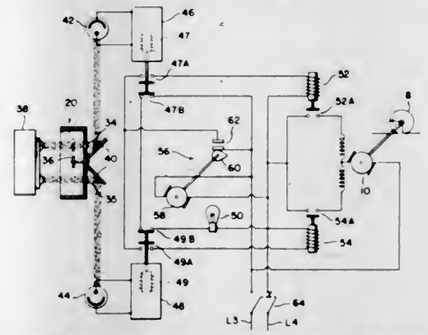
1 A device of the kind described, said device comprising, in combination, a vertical stake, a tubular sleeve thereon, the sleeve being provided with a flange at its lower end, screw means within the flange to secure the sleeve against rotation on the stake, a disk-like protractor resting on the flange and adapted to be rotated about said sleeve, the upper surface of the protractor being divided into quadrants by two diametrical lines set at right angle to each other, means at the end of one of said lines for attachment of a cord, the marginal portion of the disk being calibrated in degrees, and an indicator mounted above the protractor for rotation about said sleeve, the indicator including a hub surrounding said sleeve, a pointer extending radially from the hub in one direction and a shank extending from the hub in the opposite direction, the shank being provided with means for attachment to a cord.

2,586,075
LATCH RELEASE CONTACT FOR ELECTRIC SWITCHES
Edwin August Miller, Fairfield, Conn.
Application May 27, 1947, Serial No. 750,668
5 Claims. (Cl. 200—70)



1. A contact latch-and-release mechanism comprising a rocker member keyed to a pivot mounting extending through a support; a contact arm keyed to said mounting upon the opposite side of said support, said arm carrying contacts for movement between spaced stops provided by said support, said contacts and stops being relatively yielding and wiped; relatively aligned oppositely extending rigid arms carried by said rocker member; cam-surfaces of convex form with which the top edge of each rocker arm is provided adjacent the free end thereof; a two-part pivotally connected lever normally held in relative alignment by opposing spring means yieldable by force applied to one of said parts, said lever extending above and pivoted to said support below said rocker member; a pair of upright spring-pressed and relatively spaced latch members pivoted to said support upon either side of said rocker member, said latch members having interfacing edge recesses to alternately receive an arm extremity of said rocker member as tipped; laterally projecting interfacing nubs provided by latch members above said recesses; fixed stops provided by said support to limit the separating movement of said latch members; and a spring-pressed sliding pivot mounted upon the head of the upper part of said lever, said pivot carrying a roller member for travel upon the said top edge of said rocker member upon the movement of said aligned lever parts.

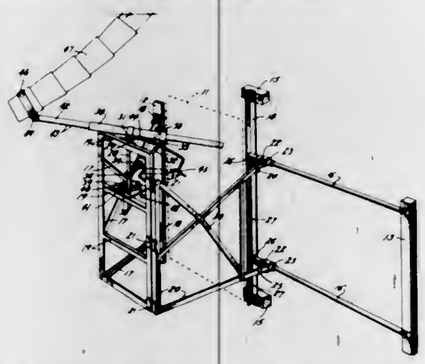
2,586,076
ELECTRIC MOTOR APPARATUS FOR AUTOMATICALLY REGULATING THE SPEED OF STRIP REELING DEVICES
George J. Nichols, Gary, Ind.
Application December 17, 1949, Serial No. 133,622
4 Claims. (Cl. 318—6)



1. In strip handling equipment wherein a strip of material is wound on a reeling device, a control system for maintaining the lineal speed of travel of said strip constant comprising in combination a motor for driving the reeling device, a rheostat in circuit with said drive motor for controlling the speed thereof, a reversing motor for driving said rheostat, a first normally open relay in circuit with said reversing motor to operate the motor in one direction, a second normally open relay in circuit with said reversing motor to operate the motor in the opposite direction, a tachometer generator driven by the strip, meter-like means connected across said generator, said last mentioned means including a pivotally mounted arm, means responsive to variations in the voltage output of said generator for moving said arm between a minimum position and a maximum position, two spaced apart light transmitting passageways, one located at the minimum position and the other at the maximum position of arm movement, and an opaque shutter mounted on said arm for selectively closing the respective passageway to the transmission of light when the arm is in its maximum or minimum position, a light source adapted to direct light through said passageways, a pair of photo cells one energized by each of the light beams transmitted through said passageways, and means responsive to the deenergization of said photo cells to

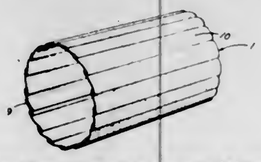
selectively close one of the aforementioned normally open relays in circuit with the reversing motor.

2,586,077
DEVICE FOR SUPPORTING GRAIN ELEVATOR SPOUTS
Otto C. Nicolaus and Delmar O. Nicolaus, Julesburg, Colo.
Application December 4, 1950, Serial No. 199,066
4 Claims. (Cl. 248—215)



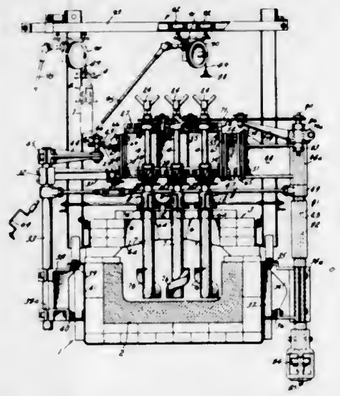
4. A grain spout supporting device comprising: two spaced-apart uprights; an intermediate upright positioned between said spaced-apart uprights; a pair of vertically-spaced slide bars mounted on and extending between one of said spaced-apart uprights and said intermediate upright; a sliding fitting mounted on each slide bar; a pair of vertically aligned hinge members mounted on the other spaced-apart upright; a side frame hingedly mounted on said hinges and extending outwardly therefrom; a front frame vertically mounted on the outer extremity of said side frame; a swinging frame hingedly mounted on said fittings and extending outwardly therefrom; hinge means securing the outer extremity of said swinging frame to said front frame; a pivot shaft rotatably mounted in said front frame and extending upwardly therefrom; an elongated slide housing tiltably mounted on said shaft; a slide bar slidably mounted in said housing; means for sliding said bar in said housing; means for rotating said shaft; and means on the outer extremity of said slide bar for supporting a grain spout.

2,586,078
METHOD AND MEANS FOR PACKAGING
Thomas R. O'Malley, Wilmington, Del., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 19, 1946, Serial No. 677,761
2 Claims. (Cl. 229—87)



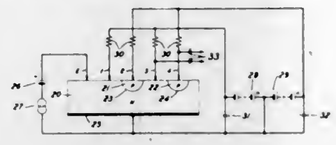
1. Packaging means comprising an integral unitary water permeable, paper-like sheet material in cylindrical tubular form having overlapping folded portions of the sheet material extending longitudinally and spaced apart circumferentially by unfolded portions of the sheet material and with the overlapping portions secured together by a potentially adhesive material so dispersed that the water permeability of the sheet material is not appreciably diminished and the secured portions of the sheet material may be separated without materially damaging the sheet material.

2,586,079
STIRRING APPARATUS FOR MOLTEN GLASS IN FOREHEARTHS
Karl E. Peiler, West Hartford, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware
Application June 25, 1949, Serial No. 101,374
2 Claims. (Cl. 49—54)



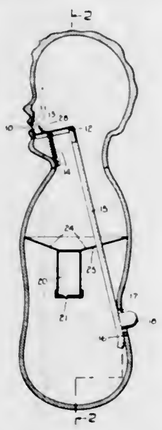
1. Glass stirring apparatus comprising, in combination with a glass feeder forehearth, a substantially horizontal supporting arm, an upright at one side of the forehearth pivotally supporting said arm at one end thereof to position said arm above and in overhanging relation to said forehearth, a plurality of spaced vertical spindles rotatably mounted on said arm in positions above and spaced transversely of the forehearth, latching means to releasably retain said arm in a position transverse of the forehearth, elongate refractory stirring implements of the same number as said spindles, each of said implements being formed at one end for glass stirring action, individual chucks for the implements secured thereon at the ends thereof opposite their stirring ends, said chucks having external index elements related in position angularly around the axes of the implements to the glass stirring end portions of the implements, coupling members on the lower ends of the spindles and rigid therewith, coupling heads on the chucks rigid therewith and engageable with the spindle coupling members to suspend the chucks and their stirring implements from the spindles and so that said chucks and stirrers can be turned angularly about their axes in relation to their spindles to adjust the stirring end portions of the implements in predetermined angularly adjusted positions in relation to one another and as indicated by the relative positions about the same axes of the index elements on the chucks, means to lock said spindle coupling members and the engaged chuck spindle heads rigidly together to maintain said angularly adjusted relative positions of the stirring implements and so that said stirring implements will be rotated with their spindles when the latter are rotated, and driving means operatively connected with said spindles to rotate them in unison about their individual axes.

2,586,080
SEMICONDUCTIVE SIGNAL TRANSLATING DEVICE
William G. Pfann, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 11, 1949, Serial No. 120,662
14 Claims. (Cl. 179—171)



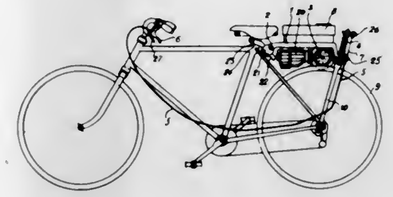
9. An amplifier comprising a body of N-type germanium having in one face thereof spaced zones of P conductivity type, a row of point contacts, one group of alternate contacts bearing against respective P zones and the other alternate contacts bearing against said N-type body, an emitter connection to said body in proximity to the one of said other contacts at one end of said row, a base connection to said body, an input circuit coupled between said emitter and base connections, an output connection coupled between said base connection and the point contact at the other end of said row, and means biasing each of said contacts in the reverse direction, the bias upon successive contacts in the direction away from said one end of said row, in each group of alternate contacts, increasing.

2,586,081
FEEDING DOLL WITH BITING ACTION
Carl A. Philippi, New York, N. Y.
Application March 10, 1949, Serial No. 80,647
8 Claims. (Cl. 46—141)



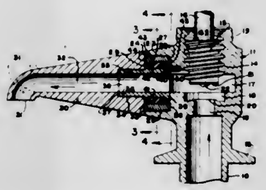
1. A doll comprising a head having a mouth aperture formed therein, means simulating rows of upper and lower teeth located within said head adjacent to said aperture and at least partly visible therethrough, means connected with the first-mentioned means for normally positioning said rows of teeth slightly apart, and externally accessible and manually operable means for bringing said rows of teeth together with pressure, whereby said teeth are adapted to bite off a brittle article inserted into said mouth aperture.

2,586,082
MOTOR UNIT FOR BICYCLES AND LIKE VEHICLES
Sanzio P. V. Piatti, Milan, Italy
Application October 16, 1948, Serial No. 54,862
In France June 2, 1947
9 Claims. (Cl. 180—33)



1. In a motor unit for bicycles and like vehicles, the combination of an elongated motor support, a motor attached to the underside of said support with the motor crankshaft disposed transversely of said support, a friction driving roller on said crankshaft, an adjustable clamp bracket pivotally attached to one end of said support, a stem having said bracket adjustably clamped thereon for adjusting the position of said bracket along said stem, a clamp at one end of said stem for fixture about a bicycle saddle pillar to attach said stem to said pillar, a fork adapted for mounting on a bicycle rear wheel spindle, a guide member carried by said fork and upstanding from the crown thereof, means on said support slidably guided on said guide member, manual control means operable for pivoting said support about said clamp bracket, and spring means opposing pivoting movement of said support responsive to operation of said control means.

2,586,083
FOUNTAIN SPIGOT
Richard F. Poultney, Pomeroy, Wash.
Application January 24, 1950, Serial No. 140,273
3 Claims. (Cl. 299—10)



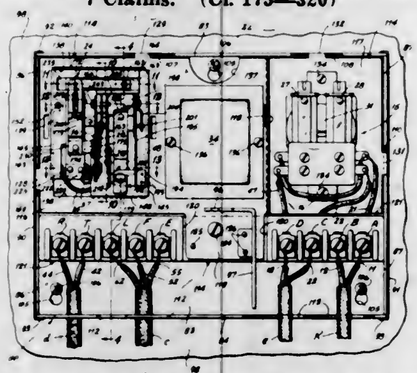
1. A fountain spigot comprising a valve body having an internal chamber provided with a valve seat, an adjustable valve element mounted upon the valve body and shiftable toward and from the valve seat for opening and closing the spigot, the valve element having a locking detent, a spout having swiveled connection with the valve body and having a bore in communication with the chamber of the valve body, and means including a spring pressed pin mounted upon the valve body and connected with the spout for preventing the turning of the spout while the valve element is unseated, the spout being provided with means for projecting the spring pressed pin into the locking detent of the valve element when such element engages the valve seat and the spout is turned.

2,586,084
BIT FOR DRILLING NONCIRCULAR HOLES
Sammy Roe Powell, Brush Prairie, Wash., assignor of one-half to R. L. Nelson
Application May 8, 1948, Serial No. 25,815
3 Claims. (Cl. 77—61)



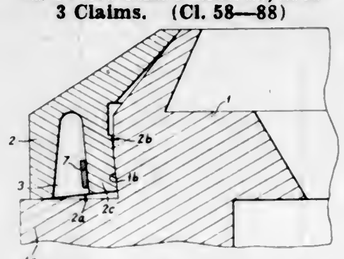
1. A bit which includes a plurality of wing plates extending radially from the center of the bit, the bottom surfaces of said plates being formed with leading cutting edges disposed in a non-radial line with respect to the axis of the bit, said surfaces being bevelled backwardly and upwardly from the leading edges thereof, the leading edges of said surfaces sloping substantially from the point of the bit backward and outward to the periphery of the bit.

2,586,085
CONTROL MECHANISM
Ryder Pratt, Kirkwood, Mo., assignor to Missouri Automatic Control Corporation, St. Louis, Mo., a corporation of Missouri
Application March 20, 1948, Serial No. 15,981
7 Claims. (Cl. 175—320)



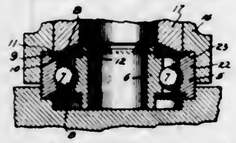
1. In combination, a base, a pair of power terminals on the base, a first set of a pair of accessory terminals on the base, a second set of three accessory terminals on the base; a main relay coil on the base, an armature displaced by energization of the coil, an electrical power reducing means on the base for the relay coil adapted to reduce the power of the main coil to below that required to displace the armature but above that required to hold the armature once it is displaced by the main coil; a safety relay on the base, of the time delay type, having a switch and an energizing means energizable to open the relay switch; a scavenger relay on the base of the time delay type having a switch and an energizing means energizable to open the switch; first circuit branch connections connecting in series the power terminals, the first accessory terminals, the scavenger relay switch, the safety relay energizing means, a first and second of the three second accessory terminals, the safety relay switch, and the main relay coil; second circuit branch connections connecting in series the power terminals, the first accessory terminals, the scavenger relay energizing means, the power reducing means, the second and third of the second accessory terminals of which one is not common to the first circuit branch, the safety relay switch, and the main relay coil; the first circuit branch energizing the safety relay energizing means to open the safety relay switch after a predetermined time, but the energization second circuit branch being exclusive of said energizing means, whereby unless the second branch is energized and the first is deenergized, the safety switch will open to prevent energization of either circuit branch.

2,586,086
RIM FOR WATCHCASES
Armand Prêtre, Geneva, Switzerland, assignor to Montres Rolex S. A. (Rolex Watch Co. Ltd.), a corporation of Switzerland
Application February 28, 1949, Serial No. 78,707
In Switzerland March 15, 1948
3 Claims. (Cl. 58—88)



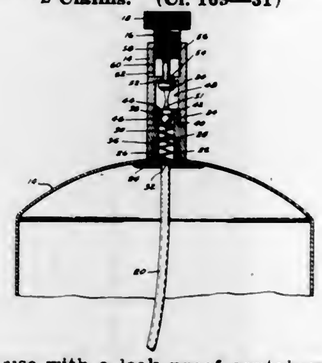
1. In a watch case, a rim having an outer protruding shoulder, an ornamental ring having radial elasticity and adapted to fit tightly onto said rim by means of a catch-joint, the lower face of said ring resting at least in part onto the upper face of said shoulder and being provided with an annular groove opposite said upper face, said groove defining in said ring two arms, one of which at least has a radial resiliency adapted to form a tight catch-joint with said rim.

2,586,087
METHOD OF APPLYING A SEAL TO A RADIAL GROOVE
Harry K. Reynolds and Clarence G. Bidwell, New Britain, Conn., assignors to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application December 1, 1945, Serial No. 632,246
1 Claim. (Cl. 29—148)



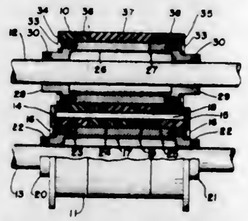
The method of applying a substantially flat springy annular disk-plate seal to a radial groove in an outer bearing ring, there being a radially inwardly directed retaining lip axially outwardly of the groove, which comprises, springing the disk plate into generally conical form so as to decrease the outer diameter of the disk sufficiently to clear the retaining lip; circumferentially continuously confining the outer edge of the disk at such reduced diameter; then, while continuing to confine said edge, introducing said outer edge as the leading edge past the retaining lip; and, finally, releasing said leading edge from confinement so as to permit it to spring into the groove as the disk flattens out from its conical form.

2,586,088
LEAKPROOF FIRE EXTINGUISHER
Floyd L. Reeves, Smithton, Ill.
Application February 17, 1950, Serial No. 144,769
2 Claims. (Cl. 169—31)



1. For use with a leak-proof container for fire extinguisher fluid the combination with a screw-threaded plug extending from said container of a coupler connected to said plug, said plug and said coupler having axially aligned openings forming a chamber, a spring-pressed ball valve mounted in the chamber formed in said plug and coupler, a diaphragm seal secured over the opening of said chamber in the end of said coupler, a nozzle secured to the end of said coupler, and manually operable valve means connected to said nozzle for moving said ball valve to permit release of the contents of said container, said valve means having a screw-threaded shank for mounting the same in said nozzle, and a movable valve member having a pointed extension for piercing said diaphragm seal and holding said ball valve open, said movable valve member having a pliable head normally sealing the fluid passage in said nozzle.

2,586,089
DOUGH SHEETING ROLL
Herbert Cecil Rhodes, Portland, Oreg., assignor to Read Standard Corporation, a corporation of Delaware
Application September 1, 1949, Serial No. 113,609
2 Claims. (Cl. 107—12)



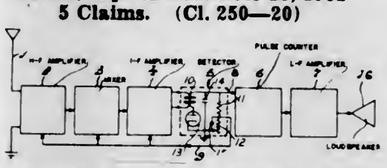
1. Dough sheeting means including a pair of cooperating rolls, one of said rolls having a cylindrical surface of a plastic, a flange at each end of said roll extending beyond the surface of said plastic, and a second roll having a flange at each end arranged to run between and fit closely against the flanges of said first roll, said second roll having a cylindrical sleeve of a plastic disposed between the flanges of said second roll, said last named flanges tapering toward their outer ends whereby contact with said flanges of dough passing between said rolls is rendered negligible.

2,586,090
AIR DEFLECTOR FOR AUTOMOBILE WINDOWS
Harley B. Riggs, Louisville, Ky.
Application August 18, 1950, Serial No. 180,286
5 Claims. (Cl. 296—44)



1. An air deflector for a vehicle side window having a frame and a glass vertically slidable therein comprising a member of flat sheet material adapted to be vertically positioned between the frame and the upper edge of the glass, said member having an upper edge and a lower edge and a straight leading end, a downwardly and laterally curved trailing end on said member, clamp means formed on the upper edge for engagement with the frame and means formed on the lower edge of the member for engagement on the upper edge of the glass, so that the member is positioned with the leading end disposed exteriorly of the glass and extending diagonally outwardly at an acute angle with the glass upper edge and the trailing end positioned interiorly of the glass to form a scoop for directing air currents downwardly into the vehicle.

2,586,091
MODULATED RADIO FREQUENCY PULSE RECEIVER
Herre Rinia, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Original application April 18, 1946, Serial No. 662,967. Divided and this application December 8, 1947, Serial No. 790,323. In the Netherlands December 13, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires December 13, 1961
5 Claims. (Cl. 250—20)



1. Apparatus adapted to receive transmitted radio-frequency pulses of constant width and amplitude whose periodicity is modulated in accordance with an intelligence signal, said ap-

paratus comprising a detector to demodulate the incoming radio-frequency pulses, said detector including a threshold network rendering the detector responsive solely to the upper portion of the input pulses exceeding a limiting value equal to a predetermined fraction of the peak amplitude of said incoming pulses, said network having means varying said limiting value automatically in accordance with the peak amplitude of said incoming pulses whereby the ratio of the limiting value to the peak amplitude is maintained substantially constant, and a pulse counting device coupled to the output of said detector to produce an output voltage varying in amplitude in accordance with the periodicity of the demodulated pulses applied thereto.

2,586,092

EMULSION COPOLYMERIZATION OF STYRENE WITH BODIED OIL OR BODIED OIL MODIFIED ALKYD

Ralph Sidney Robinson, Liverpool, England, assignor to Reichhold Chemicals, Inc., Detroit, Mich.

No Drawing. Application November 1, 1948, Serial No. 57,830. In Great Britain October 22, 1947

12 Claims. (Cl. 260—8)

12. A process which comprises suspending (1) a member of a group consisting of (*a*) a bodied oil selected from a group consisting of bodied linseed oil and bodied dehydrated castor oil, and (*b*) a glycerol phthalate alkyd resin modified by such bodied oil, and (2) styrene in an aqueous medium, and subjecting said substances to copolymerisation at a temperature of 55° to 65° C.

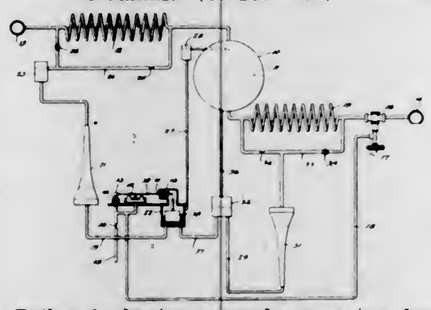
2,586,093

APPARATUS FOR PROPORTIONING CONDITIONS

Albert J. Rosenberger, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois

Application June 13, 1945, Serial No. 599,212

2 Claims. (Cl. 122—451)



1. Boiler feedwater control apparatus for a boiler having a restricted feedwater inlet conduit and a restricted steam outlet conduit comprising valved by-passes around the restrictions in the feedwater inlet and steam outlet conduits, a manometer tube having one leg connected to the steam outlet by-pass and its other leg connected to the top of the boiler, a second manometer tube having one leg connected to the feedwater inlet by-pass and its other leg connected to the boiler below the water level therein, a connection between said other legs of the tubes below the liquid levels therein, and means responsive to the liquid level in said other leg of one of the tubes to control the supply of feedwater to the boiler.

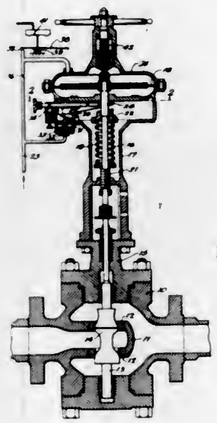
2,586,094

SAFETY MEANS FOR VALVES

Albert J. Rosenberger, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois

Application March 28, 1947, Serial No. 737,741

7 Claims. (Cl. 137—153)



1. A safety controlling means for a mechanism having a stem and a fluid pressure responsive device to move the stem comprising latching means engageable with the stem to hold it in any one of a plurality of positions, a latch engageable with the latching means to hold the latching means away from the stem, and pressure responsive means connected to a source of pressure which supplies the pressure responsive device for moving the stem to hold the latch engaged with the latching means in response to pressure and to permit it to release when the pressure drops below a predetermined value.

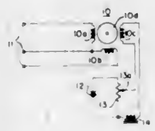
2,586,095

SYSTEM FOR AND METHOD OF CONTROLLING HYSTERESIS MOTORS

Herbert C. Roters, Kew Gardens, N. Y., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware

Application April 25, 1949, Serial No. 89,408

2 Claims. (Cl. 318—166)



1. A motor control system comprising: a synchronous hysteresis motor having a plurality of phase windings and a hysteresis rotor, a circuit for normally exciting said windings to develop a rotating magnetic field, a control circuit for applying to at least one of said phase windings a current effective to develop a sub-synchronous magnetic field of a value to reduce the speed of the motor below synchronism, and impedance means for substantially suppressing the flow of current in each of said circuits of the frequency of the other of said circuits.

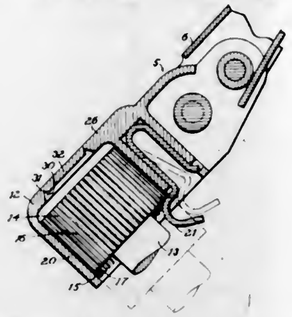
2,586,096

WINDSHIELD CLEANER

Earl V. Schaal, East Aurora, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application December 22, 1945, Serial No. 636,687

6 Claims. (Cl. 287—53)



3. A windshield arm adapted for interchangeable mounting upon different types of windshield wiper shafts, said arm having a shaft receiving socket in its rear face with an arcuate groove in the bottom wall of the socket defining a knockout disk which latter is removable to provide an opening through the bottom wall for adapting said socket to a protruding screw-threaded type of shaft, the front face of the arm originally being smooth and uninterrupted by the groove to present a finished appearance when mounted on a knurled-head type of shaft.

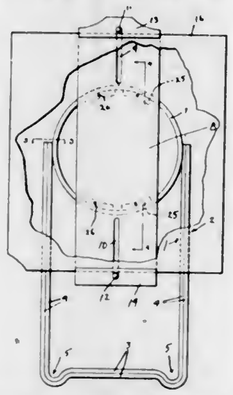
2,586,097

WATER-COLOR SKETCHING EASEL

Leonard Scheu, Laguna Beach, Calif.

Application March 1, 1946, Serial No. 651,321

3 Claims. (Cl. 248—197)



1. A watercolor sketching easel comprising a pair of U-shaped legs pivotally secured together at their free ends and formed for swinging to coplanar nested relationship with their closed ends together and with one of the legs within the U of the other, a support for holding a sketchboard carried between said free ends of said legs and pivotally secured thereto for swinging movement about an axis extending through said ends, means for holding said support at different positions in its swinging movement, and means on said support for releasably securing a sketchboard thereto, said support including an annular member secured at diametrically opposite points thereon to said legs and elements secured to said member engageable with opposite edges of such sketchboard and revolvable about the central axis of said member to various positions on said member.

2,586,098

NEW STABLE SYNTHETIC RESIN EMULSIONS AND PROCESS FOR THE PREPARATION THEREOF

Luzius Schibler, Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm

No Drawing. Application November 3, 1947, Serial No. 783,844. In Switzerland November 18, 1946

18 Claims. (Cl. 260—6)

1. A process for the manufacture of a stable, aqueous emulsion of a water-insoluble, organic solvent-soluble, hardenable condensate from formaldehyde, from a hardenable aminoplasts-forming substance of the group consisting of urea, thiourea, guanidine, biuret, dicyandiamide and melamine and from a substantially water-immiscible alcohol, which process comprises emulsifying the condensate dissolved in a substantially water-immiscible organic solvent, in an aqueous solution which contains a hydrotropic carbamide of the group consisting of urea and thiourea and also contains a protein.

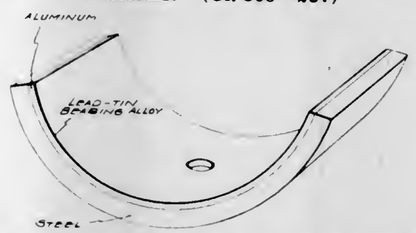
2,586,099

BEARING

Harold W. Schultz, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 11, 1951, Serial No. 241,410

7 Claims. (Cl. 308—237)



1. A composite bearing for heavy duty work comprising, in combination; an aluminum alloy layer having good bearing properties and including aluminum as a major portion, and a bearing layer not exceeding .0010" in thickness and coextensively bonded to the aluminum alloy and consisting of lead-tin alloy wherein the lead is at least 90% of the alloy.

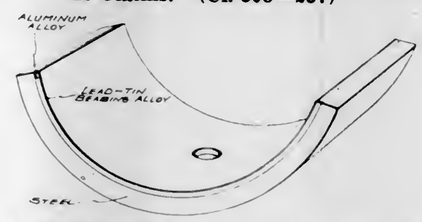
2,586,100

BEARING

Harold W. Schultz, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 11, 1951, Serial No. 241,411

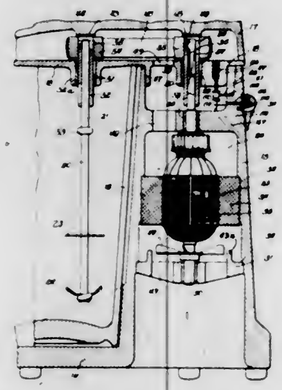
10 Claims. (Cl. 308—237)



1. A bearing, comprising; an aluminum alloy layer having as essential components cadmium

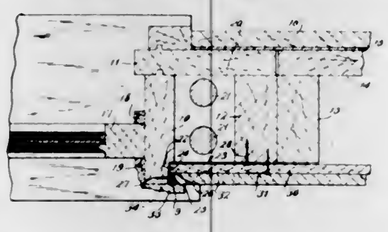
in quantities of from .50 to 5%, silicon in quantities of from 2% to 10% with the remainder being substantially all aluminum and having coextensively bonded thereto a layer of lead-tin alloy in a thickness not to exceed .0010 inch wherein the lead varies from 90 to 99% of the layer and the tin varies from 10% to 1% of the layer.

2,586,101
DRINK MIXER
Fred C. Schwaneke, Chicago, Ill., assignor to Dormeyer Corporation, Chicago, Ill., a corporation of Illinois
Application June 15, 1948, Serial No. 33,191
4 Claims. (Cl. 259—108)



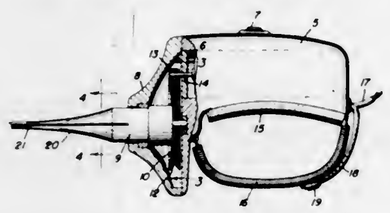
1. A ventilating system for a mixer of the type having a casing enclosing a motor, a readily removable hollow housing attached to said casing at the top thereof and containing power transmission elements for transmitting power from the motor to a mixing agitator, said ventilating system comprising an air inlet in the bottom of the casing, an air outlet in said housing at a point remote from the point of attachment to the casing, and an impeller on the shaft of said motor for moving air upwardly from said casing into said housing in contact with said transmission elements to cool said motor and said transmission elements, said housing and casing having openings which are aligned when said housing is supported on the casing, said openings connecting the interiors of the housing and casing to provide for the free flow of air from one to the other.

2,586,102
DOOR OR WINDOW FRAME
Arthur J. Smith, Cleveland, Ohio
Application March 30, 1948, Serial No. 18,028
3 Claims. (Cl. 20—11)



1. A frame for a window or the like, comprising a side stile, a wall stud cooperating therewith and spaced therefrom to provide a well for counterbalancing weights, a strip of sheet material strong in tension connected with said wall stud and extending to said stile for closing the inner side of said well, said sheet material having a right angle portion attached to said stile and a return bend flush with the inner surface of the stile terminating in a flange parallel with the first mentioned portion of said strip and spaced therefrom to receive lathing material, said flange being spaced from the line of the bend a distance corresponding to the proposed thickness of a plaster coating, and from the main portion of said sheet material a distance corresponding to the thickness of said lathing material whereby the said lathing material may be caused to extend into the angle of said sheet material and may be fastened to said stud, thereby reenforcing that part of the sheet material which extends across said well.

2,586,103
ELECTRICALLY OPERATED HAIR CURLER
Vincent P. Smith, Corpus Christi, Tex.
Application February 14, 1949, Serial No. 76,387
1 Claim. (Cl. 132—34)

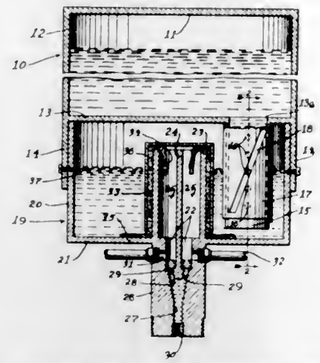


A hair curler for attachment to a hand, comprising a motor housing having a curved bottom adapted to rest against the backs of the fingers of the hand, a motor in said motor housing, a circular drive housing on one end of said motor housing lying in a plane at a right angle to the median plane of said motor housing and being offset outwardly of the bottom of said motor housing to provide an abutment adapted to extend across the outside of the fore finger of the hand for thrusting against by said fore finger in manipulating the curler, a flexible member connected at its ends to said bottom and adapted to extend across the fronts of said fingers to hold said motor housing to the backs of said fingers, a hair curling spindle journaled in said drive housing for operation at and opposite the fore finger side of the hand, and a drive in said drive housing between said motor and spindle.

2,586,104
AUTOMATIC OILER
Elmer D. Smyser, Bakersfield, Calif.
Application June 1, 1949, Serial No. 96,589
1 Claim. (Cl. 184—103)

An automatic oiler, comprising a closed cylindrical oil container, a spout depending from and opening through the bottom wall of said container at one side of the center thereof, an annular flange depending below said bottom wall from the side wall of said container, a cylindrical open top chamber having its open end telescoped into said annular flange, means carried by said flange for securing said chamber in place with the edge of its open top in contact with the bottom wall of said container, said spout being provided with a series of vertically aligned and equidistantly

spaced apertures, a sleeve mounted to turn on said spout and having a spiral slot of a length slightly greater than the distance between the uppermost and lowermost of said apertures, to successively open and close the apertures when turned, a tubular member upstanding within the center of said



chamber from about an opening in the bottom wall of the chamber, a wick extending generally vertically along the outer side of said member and having its upper end depending within the member, and a cap fitted over said member and enclosing the intermediate portion of said wick between the cap and said member.

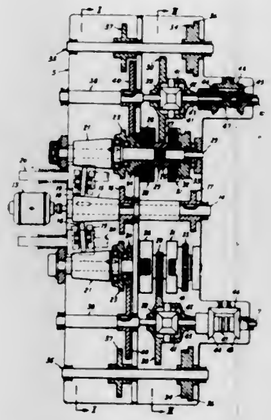
2,586,105
TREATMENT OF TEXTILE MATERIALS
John Bamber Speakman and Alan Crummett, Leeds, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 24, 1946, Serial No. 664,687. In Great Britain May 10, 1945
5 Claims. (Cl. 28—73)

1. Process for producing a pile upon textile fabrics made from yarns spun from a mixture of wool fibers and cellulose ester staple fibers, which comprises thoroughly wetting the fabric, milling the fabric while wet with an organic softening agent having a shrinking effect on the cellulose ester staple fibers alone so as to cause the shrinking of the cellulose ester staple fibers and the resulting fabric to contain a greater proportion of wool fibers in the surface fibers than in the fabric as a whole, removing the organic softening agent from the fabric, then subjecting the fabric to a raising treatment whereby there is produced upon the fabric a pile containing a greater proportion of wool than does the fabric as a whole.

2,586,106
FINISHING OF TEXTILE FABRICS
John Bamber Speakman and Alan Crummett, Leeds, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 24, 1946, Serial No. 664,688. In Great Britain May 10, 1945
2 Claims. (Cl. 28—76)

1. Process of finishing a textile fabric made from yarns of a mixture of wool fibres and cellulose acetate staple fibres so as to consolidate the fabric and to increase the proportion of wool in the surface of the fabric, which comprises milling the fabric while wet with an aqueous solution of a lower saturated fatty acid containing up to 4 carbon atoms of 30–50% strength by volume.

2,586,107
INFINITELY VARIABLE-GEAR FOR DRIVING GUN MOUNTS
Rudolf Stadelmann, Zurich, Switzerland, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland, a company of Switzerland
Application July 6, 1949, Serial No. 103,186
In Switzerland July 12, 1948
7 Claims. (Cl. 74—690)

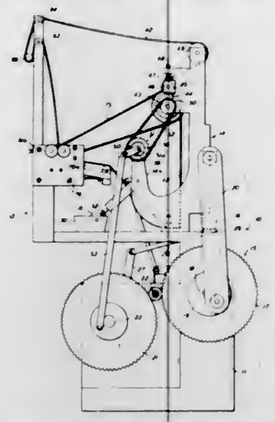


1. An infinitely variable gear for driving gun-mounts, comprising a driving shaft, a speed variator operatively connected with said driving shaft, a multi-part clutch comprising three clutch parts, means connecting the first and second of said three clutch parts with said driving shaft for driving them at constant but mutually differing speeds, a shaft connected with said speed variator and driven thereby, said shaft having a threaded portion, the third clutch part being mounted upon said threaded portion, and being actuated by said speed variator to couple with either the first clutch part or the second clutch part, a helical gearing connected with said third clutch part and driven thereby, a differential having a planetary pinion connected with said helical gearing and driven thereby and a sun gear meshing with said planetary pinion; means connecting said driving shaft with said sun gear for driving the latter with a constant speed, an output shaft, and means connecting said output shaft with said differential.

2,586,108
DIE STAMPING PRESS AND DIE WIPER THEREFOR
Robert N. Steffens, Essex Fells, N. J.
Application March 22, 1947, Serial No. 736,555
19 Claims. (Cl. 101—166)

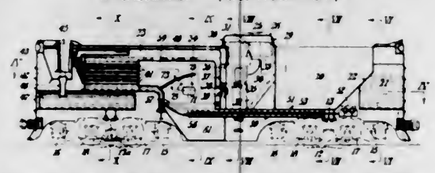
1. In a machine for printing engraved stationery, an endless die wiper belt, means to tension a selected portion of the belt substantially less than the whole length of the belt, a die, means for contacting the die with the tensioned portion of the belt to remove ink from the die, means to scrape ink off a part of the tensioned portion of the belt which has removed ink from the die, and means to apply ink solvent to a part of the tensioned portion of the belt after the belt has been scraped by said scraping means, and said tensioning means comprising

means to wring said belt after solvent has been applied to said belt, and said tensioning and



wringing means comprising means to advance said belt.

2,586,109
LOCOMOTIVE
Carleton K. Steins, Philadelphia, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 1, 1945, Serial No. 614,055
9 Claims. (Cl. 105—37)



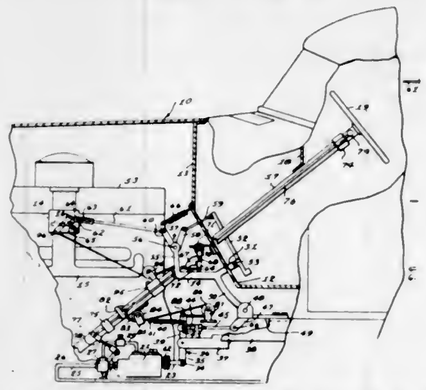
2. In a steam locomotive, a closed body supported at opposite ends by powered bogie trucks, a fuel storage compartment in one end portion of the body, a horizontal boiler longitudinally within the other end portion of the body, a cab for the operating crew medially of the body between the fuel compartment and the boiler, the fire box end of the boiler being contiguous to the cab, and a feed water storage compartment extending crosswise of the locomotive between the bottom of the boiler and the corresponding truck and also upward of opposite sides of the boiler in longitudinal spaces between the boiler and the side walls of the body.

2,586,110
ANIMAL TUNNEL TRAP
Henry G. Stilborn, Moosomin, Saskatchewan, Canada
Application August 31, 1949, Serial No. 113,406
1 Claim. (Cl. 43—61)



A tunnel-trap for rodents, fur-bearing animals and the like comprising in combination an elongated, open-ended trap casing of substantially rectangular cross-section, a vertically sliding gate at each end of said casing, guides secured to said casing within which said gates slide, and means for operating said gates to close said casing, said means comprising a treadle in said casing, a trigger-rod secured to said treadle, said treadle comprising a rectangular plate one end of which engages with the floor of said casing, the other end of which being pivotally secured to the lower end of said trigger-rod, and means actuated by said trigger-rod to cause said gates to drop thereby closing said casing, said means comprising a pair of uprights secured to the upper side of said casing, a lever pivoted between said uprights capable of rotation in a vertical plane, cables extending from each end of said lever to a point adjacent the upper ends of said gates, each cable being connected to a different gate, an inclined surface on the lower end of said lever when viewed in place engageable with the upper end of said trigger-rod, the weight of said gates rotating said lever when the upper end of said trigger-rod is disengaged therefrom by pressure upon said treadle.

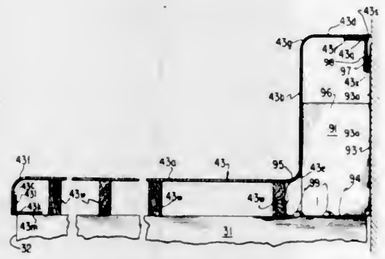
2,586,111
COMBINED FUEL AND BRAKE CONTROL FOR AUTOMOBILES
Armand St. Maurice and Joseph S. Candella, Niagara Falls, N. Y.
Application October 26, 1948, Serial No. 56,524
1 Claim. (Cl. 192—3)



In a motor vehicle having an engine, a brake unit, and a throttle valve controlling the admission of fuel to the engine; a single pedal means including a brake lever attached to the brake unit and having a rearward extension slidably disposed through the floor board of the vehicle, a pedal pivoted on said extension for movement about a horizontal axis, a link slidably disposed through the floor board and pivoted to the forward end of the pedal, a forward extension on the brake lever having an upstanding portion, a bell crank pivoted on said upstanding portion, one arm of said bell crank being pivoted to the link, an actuating arm for the throttle valve pivoted to the other bell crank arm and operatively connected to the throttle valve, spring means connected to the arm of the bell crank carrying the valve actuating arm and floor board for biasing the bell crank toward a position wherein the throttle valve is closed and cooperative latch means carried by the brake lever and the floor board for retaining said lever against movement upon depressing the forward end of the pedal to open the throttle valve, said last means including a bracket mounted on the

forward extension, an arm pivotally carried by the bracket for vertical swinging movement, a resilient keeper projecting from the floor board, a latch dog rotatably carried by the arm and engaged on said keeper and spring means connected to the bracket and arm for normally retaining the arm in a vertical position with the dog engaging the keeper.

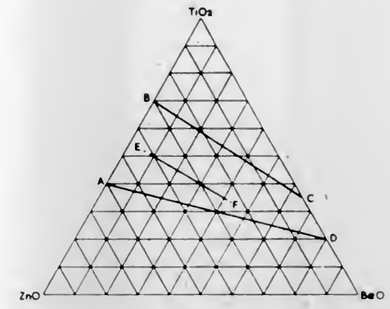
2,586,112
COUNTER ASSEMBLY
Edgar S. Stoddard, Berwyn, Ill., assignor to Hotpoint, Inc., a corporation of New York
Application May 14, 1948, Serial No. 27,025
7 Claims. (Cl. 311—106)



2. A counter assembly comprising a longitudinally extending support, a plurality of upstanding brackets arranged in longitudinally spaced-apart relation and carried by said support adjacent to the rear edge thereof, a longitudinally extending integral plastic sheet having an outer surface provided with a smooth moisture-resistant finish, said sheet being form-retaining and providing a substantially horizontal work platform terminating in a downwardly directed front apron and an upstanding backsplasher terminating in a rearwardly directed ledge, a first longitudinally extending reenforcing member secured to the under surface of said sheet behind said front apron and engaging said support adjacent the front edge thereof so that said front apron is disposed slightly forwardly of the front edge of said support, a second longitudinally extending reenforcing member secured to the under surface of said sheet below said ledge and engaging the upper portions of said brackets so that said ledge projects over the upper ends of said brackets and the rear edge of said ledge is disposed in substantial vertical alignment with the rear edge of said support, a plurality of forwardly directed abutments respectively carried by said brackets and engaging the under surface of said sheet behind said backsplasher, and a plurality of longitudinally extending and laterally spaced-apart stringers secured to the under surface of said sheet below said work platform and engaging said support intermediate the front and rear edges thereof.

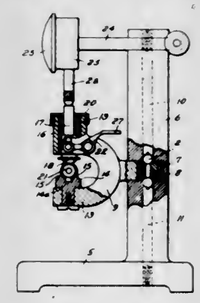
2,586,113
DIELECTRIC AND PROCESS OF MAKING
Maurice Andrew Strivens, Bridgwater, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application August 5, 1948, Serial No. 42,691
In Great Britain August 7, 1947
5 Claims. (Cl. 106—39)

5. A capacitor dielectric consisting of a sintered mixture of BeO, ZnO and TiO_2 in the



proportions defined wholly within the quadrilateral ABCD of the accompanying drawing.

2,586,114
SCREW THREAD COMPARATOR
Bror W. Swanson, Elmwood, Conn., assignor, by mesne assignments, to Anthony F. Kasprow, Felix A. Kasprow, Joseph W. Kasprow, Stephen G. Kasprow, New Britain, Conn., and Meyer E. Bailey, New Haven, Conn.
Application February 16, 1945, Serial No. 578,323
8 Claims. (Cl. 33—199)

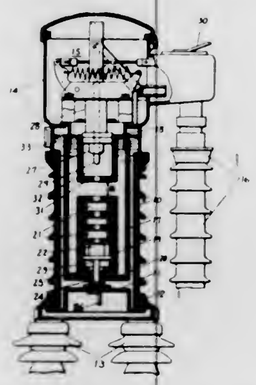


1. A comparator for testing the condition of threads on articles and including a jaw shaped support having rigid jaws forming an opening between them for the reception of the articles to be tested, dies formed to fit threads on said articles, at least one of said dies being movable in a jaw of said support, a sliding plunger associated with said movable die, gauge means operable by said plunger and alined therewith for indicating the distance between said dies and means for mounting the jaw-shaped support for horizontally swinging movements whereby the support may be laterally displaced relative to said gauge means for placement of an article therein to be tested.

2,586,115
BUSHING TYPE ELECTRIC CIRCUIT BREAKER
Otoyuki Tange and Seiiti Morita, Taga-Mati, Taga-Gun, Japan, assignors to Hitachi Limited, Tokyo, Japan, a corporation of Japan
Application May 25, 1949, Serial No. 95,294
3 Claims. (Cl. 200—150)

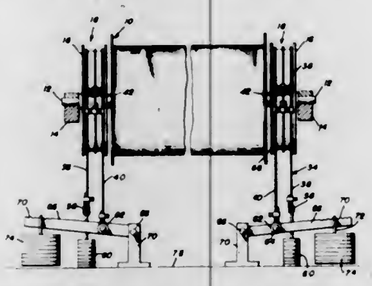
1. In an electric circuit breaker, a protective insulator cylinder for containing insulating fluid, a fixed contact adjacent the bottom of said protective insulator cylinder, a movable contact reciprocably mounted adjacent the top of said protective insulator cylinder, means for recipro-

cating the movable contact into and out of engagement with the fixed contact, an arc suppressing cylinder of lesser diameter than the protective insulator cylinder mounted within the latter, forming with same part of an oil chamber and enclosing the fixed contact, a plurality of partitions having aligned apertures therein of slightly greater diameter than the movable contact through which the movable contact is adapted to pass with close clearance, and forming a series of oil filled arc suppressing chambers, an insulator cylinder of lesser diameter than the



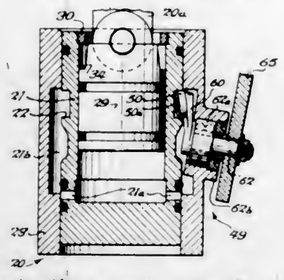
protective insulator cylinder positioned within the latter in alignment with the arc suppressing cylinder forming with the protective insulator cylinder part of the oil chamber and having a bottom with an aperture therein and said bottom being spaced from the top of the arc suppressing cylinder to form an oil filled gap as part of the oil chamber, and means for reciprocating said movable contact through the aperture in the bottom of the insulator cylinder and the apertures in the partitions in the arc suppressing cylinder to and from engagement with the fixed contact.

2,586,116
TENSIONING MEANS FOR LOOM WARP BEAMS
Ray M. Taylor, Quakertown, Pa.
Application September 18, 1950, Serial No. 185,386
6 Claims. (Cl. 139—100)



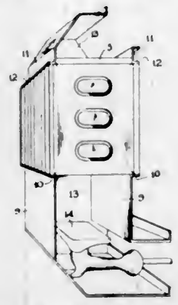
1. A tensioning means for a loom warp beam comprising a split circular band adapted to embrace a warp beam head, a cable having multiple laps wound about said band, means for slidably and guidingly retaining said cable on said band, a stop adjustably secured to one of the cable laps and extending into the split portion of the band, and adjustable weights secured upon the free ends of the cable.

2,586,117
ACTUATING ELEMENT FOR RECIPROCABLE MACHINE ELEMENTS
Paul H. Taylor, North Tonawanda, N. Y., assignor to Wales-Strippit Corporation, North Tonawanda, N. Y.
Application August 19, 1949, Serial No. 111,233
20 Claims. (Cl. 74—107)



1. An actuating mechanism for an element to be moved rectilinearly, said element being formed with a curved surface extending in a direction substantially normal to the direction of movement of said element, and pivotally mounted means for engaging said surface, said means having a skewed axis with respect to the direction of movement of said element and being operative as it turns to move said element while maintaining substantially the same degree of engagement with said surface over its arc of travel.

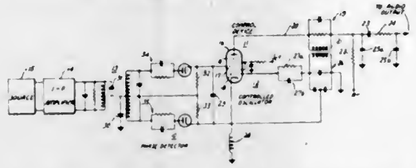
2,586,118
FURNACE HEAT EXCHANGER
William R. Teller, Cleveland, Ohio, assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio, a corporation of Delaware
Application November 27, 1946, Serial No. 712,485
1 Claim. (Cl. 257—245)



Apparatus of the class described comprising a sheet metal heat exchanger battery, of tubes in horizontally extending side-by-side disposition, each tube having rectangular form at each end thereof, provided by end flange means extending peripherally about the mouth of the tube, with four rectangularly related end flange portions disposed in planes longitudinal of the tube, each tube having curved top and bottom portions longitudinally extending between its said end flange means and being of less width between than at said end flange means, each tube being seamless along its bottom, and having a seam along its top formed with upturned flanges of rectangular outline, extending between, terminating at, and upstanding beyond its said end flange means, said upturned flanges being welded together along their upper extremities, and

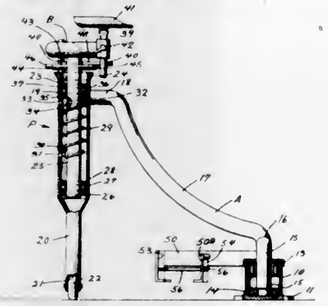
closure means for said battery, disposed at an upper end thereof crosswise of the tubes thereof, said closure means having an outturned flange overlying the corresponding uppermost end flange portions of the tubes of the battery and welded to the latter at their endwise extremities, and said closure means including a face panel portion upstanding from its said outturned flange and bearing against the corresponding ends of the upturned flanges of said seams of said tubes.

2,586,119
FREQUENCY MODULATION DETECTOR
Joseph C. Tellier, Penn Wynne, and Albert R. Alter, Philadelphia, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 4, 1949, Serial No. 91,282
7 Claims. (Cl. 250—27)



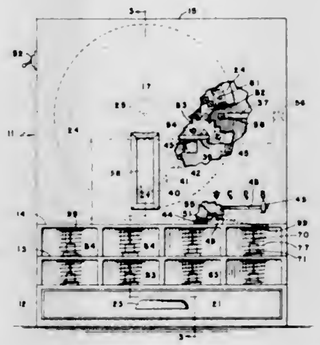
1. A circuit arrangement for detecting relative phase variations between a frequency-modulated carrier wave supplied by a first source and a frequency-modulated carrier wave supplied by a second source, said circuit arrangement comprising: a pair of current-rectifying elements each having an input and an output electrode, a load impedance connected to said output electrodes, means including a transformer for applying the wave from said first source to said input electrodes in push-pull relation, said transformer having primary and secondary windings between which there exists an appreciable distributed capacitance, a bypass capacitor connected between an intermediate point on said secondary winding and a point of fixed potential, and means for applying the carrier wave from said second source to said output electrodes cophasally.

2,586,120
HORIZONTALLY SWINGING BRACKET SUPPORTED SEAT
James O. Templeton, Jr., Winchester, Tenn.
Application August 9, 1948, Serial No. 43,226
2 Claims. (Cl. 155—81)



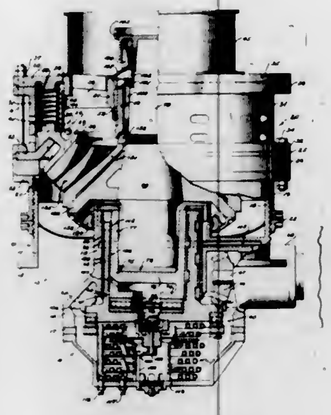
1. A seat structure adapted to be secured to the base of a dentist's chair and the like, comprising an upwardly angled arcuate arm adapted to partially encircle the chair, means for pivotally mounting the lower end portion of said arm for swinging movements about said chair, an upright pedestal rigidly connected with the upper end of said arm, a shaft depending within said pedestal, a second arcuate arm extending horizontally from the upper end of said shaft, and a seat supported on the free end of said second arm.

2,586,121
ELECTRICALLY ACTUATED TARGET GAME DEVICE
Irving Tilson, Brooklyn, N. Y.
Application July 31, 1946, Serial No. 687,495
1 Claim. (Cl. 273—102.2)



An electrically operated game device, comprising a housing having a low front platform portion and an upstanding rear portion, depressible target elements in said low front platform portion of the housing, a rotatable transparent disk having a multiple series of annularly arranged game indicia thereon, mounted in said rear portion of the housing, an elongated window in the front wall of the said rear portion of the housing embracing the said annularly arranged game indicia upon the said transparent disk, a slidable shutter having staggered orifices therein alignable with the game indicia upon the said rotatable disk and mounted within the said rear portion of the housing, the said shutter being slidable in grooves upon the front wall of the said rear portion of the housing, a finger-hold member attached to the shutter and extending through a slot upon the front wall of the said rear portion of the housing, said finger-hold member adapted to align with markings upon the front wall of the rear housing corresponding to each series of annular indicia upon the said transparent disk and adapted to co-act with the finger hold to align one of the staggered orifices in the shutter with corresponding indicia upon the transparent disk, a spring pawl element upon the housing, the face end of which engages notches upon the sliding shutter to fix and hold the shutter in position, a motor within the housing having pulley and belt connection with the said transparent disk, a current source to the motor, branch circuits having normally open sections disposed in the current supply line, the said open sections being aligned with said depressible target elements, circuit closing members attached to the said depressible target elements and adapted to close a normally open section in a branch circuit when its coacting depressible target element is depressed, and a light bulb in the rear portion of said housing having electrical connection with the said branch circuits.

2,586,122
GYRATORY CRUSHER
Samuel William Traylor, Jr., Allentown, Pa.
Application February 6, 1948, Serial No. 6,633
12 Claims. (Cl. 241—209)



1. A crusher comprising a fixed lower frame, an upper frame secured thereto for relative vertical adjustment with respect thereto, a spider carried by the upper frame having a central opening, an upper shaft bearing in the opening restrained against rotation with respect thereto, an annular thrust bearing supported in the lower frame on a vertical axis, an upright cylindrical member journalled for rotation coaxially on and supported by said thrust bearing, said member having a cylindrical upwardly opening eccentric interior disposed in angular relation to its axis of rotation, and anti-friction thrust bearing in the bottom of and coaxial with the interior of said member, a cylindrical sleeve closely fitting said interior and supported on the bearing therein, a shaft having its lower end disposed within and supported exclusively by said sleeve and projecting upwardly therefrom on said angularly disposed axis, a crushing head carried by said shaft, an upwardly facing mantle thereon, and a downwardly facing, annular concave carried by the upper frame for vertical adjustment therewith, the upper end of the shaft being disposed within said upper shaft bearing.

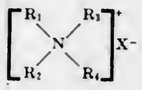
2,586,123
UNIFORM STRAND TENSION DEVICE
Joseph A. Truitt, West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application January 23, 1951, Serial No. 207,346
8 Claims. (Cl. 57—58)



1. Cord twisting apparatus comprising supply sources for a plurality of strands, a doubler having take-up means for positively engaging a strand material, drive means for the doubler, said take-up means being connected in positive drive relationship with the drive means, a stationary strand guide mounted in spaced axial relationship with the doubler and an adjustable automatically compensating tension-controlling mechanism for receiving the plurality of strands, gathering them into a group, and discharging the group toward and through the guide, the mechanism comprising a gathering roll supported on a fixed axis of rotation, a pulley, a lever for supporting the pulley movably along an ambit extending toward and away from the guide and rotatably on an axis generally parallel with the axis of rotation of the gathering roll, said ambit being spaced laterally from the strand-supporting surface of the gathering roll, means for pivotably supporting the lever attached to a portion thereof spaced from the portion which supports the pulley, means for restraining the rotation of the gathering roll, control means connected with the restraining means for actuating the restraining means to increase or decrease the rotation of the roll, said control means being connected with the lever, and responsive to movement of the lever corresponding to movement of the pulley away from the guide in proportion to the magnitude of said movements, to actuate the restraining means to restrain the rotation of the pulley, and adjustable resilient means for urging the lever in the direction about its pivot corresponding to movement of the pulley away from the guide.

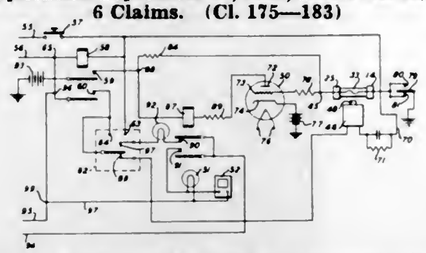
2,586,124
PROCESS FOR THE PREPARATION OF CHLORINATED RUBBER
Gerrit Jan van Amerongen, The Hague, Netherlands, assignor to Rubber-Stichting, Delft, Netherlands
No Drawing. Application March 21, 1950, Serial No. 151,040. In the Netherlands June 12, 1947
7 Claims. (Cl. 260—772)

1. In the preparation of aqueous dispersions of non-hydrophilic chlorinated rubber substantially free from oxygen the process which consists substantially in stabilizing a latex of a conjugated diolefin rubber by adding thereto from about 2 to 10 per cent, based on the weight of the rubber present in the latex of a water-soluble cationic soap selected from a class consisting of the water soluble salts of quaternary ammonium bases and of tertiary amines having the general formula:



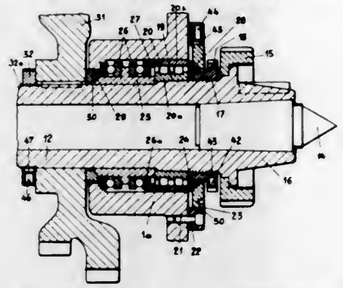
in which R_1, is a member of the group consisting of the alkyl, alkoyl, aralkyl and aryl-alkoyl radicals having at least 12 carbon atoms; R_2, R_3 and R_4 are members of the group consisting of hydrogen and the lower alkyl, aralkyl and heterocyclic radicals, no more than one of the R's representing a hydrogen atom, and X is a member of the group consisting of the water-soluble anions, acidifying the stabilized latex by adding sufficient strong mineral acid to produce a normality ranging from about 3 to 10 normal, then passing chlorine into the acidified latex at a temperature within the range of from about 0° to 100° C. whereby a stable aqueous dispersion of a non-hydrophilic stable chlorinated rubber substantially free from oxygen is produced which is substantially indistinguishable under the microscope from the original latex.

2,586,125
APPARATUS FOR TESTING THE CONTINUITY OF FUSES
Elsworth C. Van Blarcom, Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 17, 1948, Serial No. 49,722
6 Claims. (Cl. 175—183)



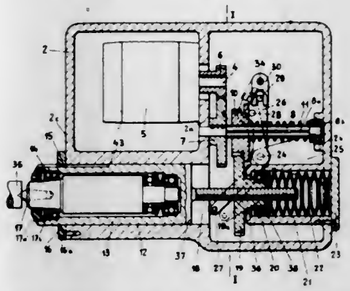
1. An apparatus for testing the continuity of fuses, comprising terminals to receive and hold therebetween a fuse to be tested, means for agitating the fuse, a gas tube having a plate, a grid and a cathode, a plate-cathode circuit for the tube including a source of potential tending to cause the tube to conduct, a grid-cathode circuit for the tube including the terminals and a source of bias potential for preventing the tube from conducting, a relay operated when the tube is conducting, a first indicator actuated when the relay is released for indicating continuity through a fuse between the terminals and a second indicator actuated when the relay is operated for indicating a discontinuity in the fuse.

2,586,126
SPINDLE SUPPORT FOR MACHINE TOOLS
Ottomar von Zelewsky, Neuhausen-on-the-Rheinfall, Switzerland, assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland, a company of Switzerland
Application April 18, 1950, Serial No. 156,535
In Switzerland November 30, 1949
2 Claims. (Cl. 82—30)



1. In machine tools, in combination with a spindle having a conical portion, a roller bearing having an inner ring engaging said conical portion and an outer ring, said rings extending in the direction of the spindle axis, a sleeve enclosing another portion of said spindle and engaging said inner ring of the roller bearing, a ball bearing mounted upon said sleeve and having rings extending transversely to the spindle axis, a ring interposed between said roller bearing and said ball bearing, a ring located at the outer side of said roller bearing and having a spherical surface, a ring located at the inner side of said ball bearing and having a spherical surface engaging said sleeve, and adjustable clamping means engaging the second-mentioned and the third-mentioned rings.

2,586,127
TAILSTOCK FOR MACHINE TOOLS
Ottomar von Zelewsky, Neuhausen-on-the-Rheinfall, Switzerland, assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland, a company of Switzerland
Application April 18, 1950, Serial No. 156,539
In Switzerland November 30, 1949
3 Claims. (Cl. 82—31)



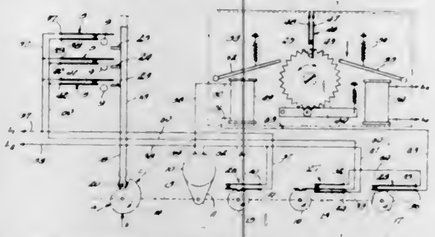
1. In machine tools, a tailstock comprising, in combination, a work holder, a sleeve enclosing said work holder, a threaded rod firmly connected with said sleeve, a gear wheel axially movable upon said rod and rotatable therewith, a bearing enclosing a portion of said gear wheel, a spring aggregate supporting said bearing, a motor, means connecting said motor with said gear wheel for moving said work holder toward and away from said motor, means connected with said motor, means connected with said device and automatically operable to switch off said motor when said work holder is brought in engagement with a work piece and said spring aggregate is compressed to a predetermined extent, and means connected with said device and automatically operable to switch off said motor when said work holder is moved a selected distance away from the work piece.

2. In machine tools, a tailstock comprising, in combination, work-engaging means, a threaded rod firmly connected with said means, a gear wheel axially movable upon said rod and rotatable therewith, a motor, a shaft, a gear wheel axially movable upon said shaft and rotatable therewith, the first-mentioned gear wheel meshing with the second-mentioned gear wheel, means operatively connecting said motor with the second-mentioned gear wheel, motor-switching means connected with said motor, a pin operatively con-

2,586,128
PREPARATION OF PHTHALIC ANHYDRIDE FROM 3.4.0. BICYCLIC NONYL HYDROCARBON
Francis T. Wadsworth, Dickinson, Tex., assignor to Pan American Refining Corporation, Texas City, Tex., a corporation of Delaware
No Drawing. Application June 20, 1950, Serial No. 169,285
6 Claims. (Cl. 260—342)

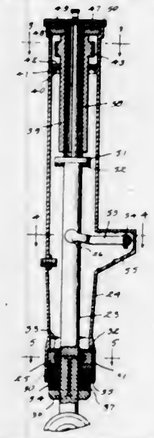
1. A process of preparing phthalic anhydride from a non-aromatic 3.4.0. bicyclic nonyl hydrocarbon, the said process comprising vaporizing a said nonyl hydrocarbon, admixing air with the vapors in a ratio of from 30 to 150 liters of air per gram of hydrocarbon, flowing the admixture into contact with a solid oxidation catalyst at a temperature between about 290° and 420° C., whereby the said hydrocarbon is aromatized and dehydrogenated, and recovering phthalic anhydride from the product stream.

2,586,129
ELECTRIC MULTIPLE COIN EVALUATOR
Fred E. Wallin, St. Louis, Mo., assignor to National Slug Rejectors, Inc., St. Louis, Mo., a corporation of Missouri
Application February 11, 1947, Serial No. 727,897
2 Claims. (Cl. 194—9)



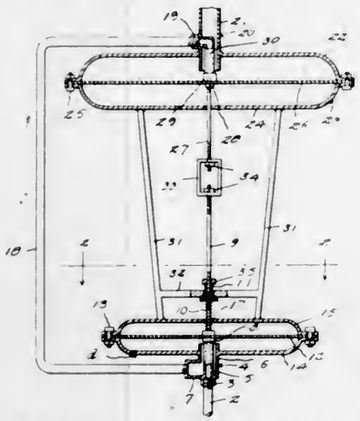
1. In a multiple coin evaluator a frame, means in said frame forming a plurality of independent coin passageways, each of said passageways adapted to conduct coins of predetermined different denominations in separate paths respectively, a like plurality of self-restoring electric coin switches positioned on said frame, each of said switches having its operating arm positioned in its corresponding passageway and adapted to be displaced by each coin descending therein, a like plurality of holding means in said frame, each of said holding means positioned in the path of movement of each said arm respectively for temporarily holding each said arm in displaced position and holding each said switch in its operated position, a shaft journalled for rotation in said frame, electric motor means in said frame for rotating said shaft when said motor is energized, coin switch restoring means movably positioned in said frame, a plurality of spaced abutments in fixed relation on one portion of said restoring means, another portion of said restoring means positioned and arranged for one movement by one revolution of said shaft, means actuated by the shaft for operating said restoring means in predetermined timed relation therewith, each of said abutments corresponding to and positioned to sequentially release in predetermined sequence each said coin switch arm from its corresponding holding means when said restoring means is operated, a normally open motor holding switch means on said frame operatively related to said shaft and adapted to close through a predetermined angle of each revolution of said shaft, an electric commutator means positioned on said frame, means actuated by said shaft for operating said commutator means to produce a predetermined number of make-and-break operations when said shaft is rotated one revolution, an electric pulsing circuit connected to and for operating an electric pulse responsive means, said commutator means connected in said pulsing circuit, a circuit transfer switch means on said frame adapted for operation by said shaft through a predetermined angle of each revolution thereof for initially energizing said motor means and subsequently energizing said pulsing circuit, a source of electric energy, circuit means connecting said source of energy with said coin switches, said motor means, said pulsing circuit, said holding switch means, said pulse responsive means and said transfer switch, whereby the descent of each of said coins of predetermined different denominations in their respective passageways will operate a said corresponding coin switch and energize said circuit means and operate said evaluator to transmit a predetermined different number of electric pulses corresponding with each said coin of different denomination through said pulse responsive means dependent upon the relative movement of each said abutment with respect to its corresponding said switch arm.

2,586,130
SAFETY DEVICE FOR TRACTORS
Estel M. Warren, Clinton, N. C.
Application May 12, 1949, Serial No. 92,793
3 Claims. (Cl. 180—82)



1. In a tractor, a steerable front axle, a vertical shaft pivotally secured to said axle to permit pivoting thereof in a vertical plane, means mounting said shaft on said tractor for combined rotary movement and vertical sliding movement relative to said tractor, a clutch shaft, a lever secured to said clutch shaft, a bifurcated rock lever disposed for engagement with said vertical shaft, a collar on said vertical shaft engageable with said rock lever on downward vertical movement of said shaft and a connection between said rock lever and said first named lever whereby said clutch shaft will be rocked to declutching position upon vertical movement of said first named shaft in one direction.

2,586,131
PRESSURE REGULATOR
Verney F. Wells, Hampstead, N. C.
Application March 30, 1945, Serial No. 585,658
2 Claims. (Cl. 50—10)

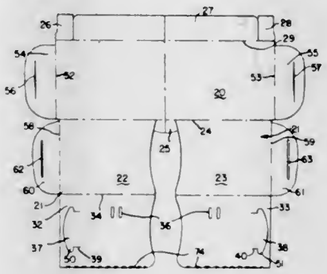


1. A fluid pressure reducing device comprising a fluid pressure supply conduit, a first chamber

in communication with the outlet end of said supply conduit having a first diaphragm defining one wall thereof, an outlet conduit for the fluid pressure, a second chamber communicating with one end of said outlet conduit having a wall defined by a second diaphragm, said diaphragms being disposed in opposite relationship, said chambers each including a rigid wall portion, rigid connecting means extending between the chambers and secured to the rigid wall portions thereof, a by-pass conduit connecting said chambers, an adjustable rigid linkage extending between said diaphragms, a valve element mounted on the first diaphragm and slidably engaging a portion of said linkage means for closing the outlet end of the fluid supply conduit, a second valve element adjustably connected to the second diaphragm and to the opposite end of said linkage means for closing the outlet end of the by-pass conduit, a spring stop adjustably mounted on the linkage means, an expansion spring mounted on the linkage means bearing against the spring stop and the first mentioned valve element for normally retaining said valve element in a position for closing said supply conduit and the second valve element in a position to close the by-pass outlet, said rigid connecting means including a first portion engaged by the first mentioned valve element to limit movement of said valve element and the first diaphragm in a direction toward the second chamber for compressing the expansion spring, means adjustably mounted on the linkage means engaging a second portion of the rigid connecting means for limiting movement of the second valve element and linkage means toward the first chamber for compressing the spring, said first mentioned valve element being movable on the linkage means and against the action of said spring to permit the fluid medium to be released from the supply conduit and to pass through the by-pass conduit toward said outlet conduit, the pressure of the fluid medium in said by-pass conduit exerting a force against the second valve element to displace said valve element and the linkage means toward the first mentioned valve element and against the action of said expansion spring for unseating the second valve element to permit the fluid medium to be released into the second chamber for discharge through said outlet conduit while the first mentioned valve element is in either an open or a closed position, the area of the first mentioned valve element acted upon by the force of the pressure in the inlet conduit being substantially less than the area of the second valve element acted upon by the force of the pressure in the outlet end of the by-pass conduit, whereby less pressure is required to move the second valve element to an open position than is required to displace the first mentioned valve element to an open position, said second diaphragm being larger than the first diaphragm whereby when the second valve element is displaced to an open position the pressure in the second chamber acting on the second diaphragm will displace it toward the first chamber to load the spring for urging the first mentioned valve element toward a closed position.

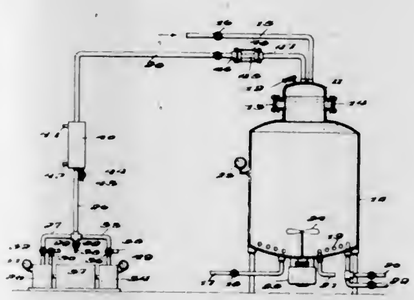
2,586,132
BILLFOLD
William R. Whitmer, Springfield, Ohio, assignor to The Springfield Leather Products Company, Springfield, Ohio, a corporation of Ohio
Application June 1, 1949, Serial No. 96,519
5 Claims. (Cl. 150—38)

2. A billfold comprising an outer wall having a top flap, an inner wall integral with said outer wall consisting of two longitudinally spaced sections having fold-over flap sections positioned to lie between the said inner and outer walls, said fold-over sections each having a retainer tab adjacent the outer end of each section and pairs of apertures, a wall closure member disposed between said fold-over sections and inner wall and provided with retainer flaps at opposite ends thereof and held in position with limited longitudinal sliding action by the retainer flaps



extending through said apertures in said fold-over sections, a side flap at each end of said outer wall and said inner wall section folded inwardly and having slot means therein receiving the retainer tab of said fold-over sections to interlock said side flaps to said fold-over section, a currency compartment divider connected to the bottom edge of said fold-over sections and held in position by its top portion enclosed between said top flap and said outer wall.

2,586,133
METHOD OF TREATING POTABLE DISTILLED SPIRITS
Casey J. Wilken, Herndon, Va.
Application June 13, 1949, Serial No. 98,686
16 Claims. (Cl. 99—48)

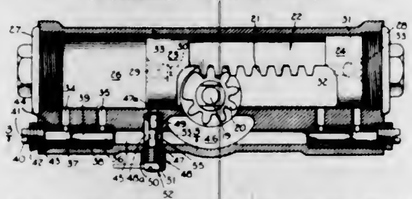


1. The method of treating potable distilled spirits to remove undesirable constituents therefrom which comprises subjecting a body of such spirits in warm liquid state to vacuum and to gas pressure above a vacuum in repeated cycles, and during the periods of vacuum removing under vacuum slight volumes of those undesired constituents of the spirits which form, and rise out of the liquid as small bubbles while the main body of liquid spirit remains below boiling, the periods of gas pressure serving to limit the effect of vacuum on the body of liquid spirits.

2,586,134
PRODUCTION OF METALS
Charles H. Winter, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 24, 1948, Serial No. 67,241
5 Claims. (Cl. 75—84)

1. A process for producing a metal selected from the group consisting of titanium and zirconium through reduction within a closed reaction vessel of a halide of said metal the halogen component of which has an atomic number greater than 9, comprising floating in said vessel out of contact with its internal walls and upon an inert molten reducing metal halide salt bath maintained therein a reducing metal more electropositive than the metal under production, confining the floated metal within an open receptacle therefor which is partially immersed in said salt bath with its base and interior portions being maintained in open communication with said bath, reacting said reducing metal with said metal halide reactant at an elevated temperature, subsequent to said reaction removing said receptacle and the resulting metal reaction product which it contains from said bath and the reaction vessel, and purifying said metal reaction product thus obtained.

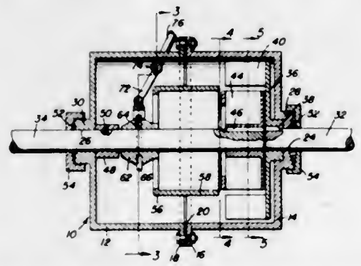
2,586,135
DOOR CLOSER
Ben H. Woodruff, Chicago, Ill.
Application October 15, 1949, Serial No. 121,469
8 Claims. (Cl. 16—51)



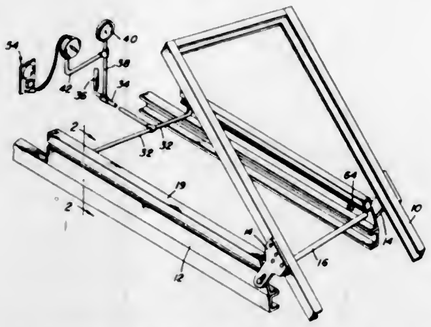
2. In a door closer, a moving piston, said door closer having a fluid containing chamber in which said piston moves, means for moving said piston in said chamber incidental to the opening and closing of a door to be controlled, said door closer having a free passage in communication with said chamber and through which fluid is forced by said piston from said chamber as said piston moves in a door closing direction with said fluid moving through said free passage toward the rear of said piston, a portion of said piston closing said free passage when said piston is moved to a position corresponding to the open position of the door, said portion of said piston opening said free passage once said piston moves a short distance from said open position toward door closing position, and a valved passage communicating with said free passage and said chamber and in parallel to said free passage through which fluid flows during the movement of said piston from said open position to a position opening said free passage.

2,586,136
ROTARY HYDRAULIC COUPLING
Charles Alfred Wyndham, Bellingham, Wash.
Application October 3, 1947, Serial No. 777,803
2 Claims. (Cl. 60—54)

1. A fluid transmission comprising a housing having aligned apertures, a first and second shaft journaled in said apertures, a circular plate centrally secured to said first shaft, a plurality of circumferentially spaced substantially retangular blades secured at one of their ends to said plate and disposed radially of said first shaft and radially inwardly from the peripheral edge of said plate, said blades each having an inlet edge extending throughout its length and paralleling said first shaft, a second plurality of circumferentially spaced radially disposed substantially rectangular blades mounted on said second shaft, the last-mentioned blades each having an outlet edge paralleling said second shaft and spaced radially and inwardly of the inlet edges of said first-named blades, and a valve slidably mounted on said second shaft adjacent the second plurality of blades and including a cylindrical wall movable between the inlet edges of the first-mentioned blades and the outlet edges of the last-mentioned blades and also movable across the entire length of said first and second plurality of blades while remaining concentric of said shafts.

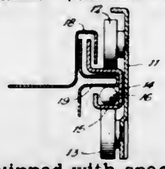


2,586,137
LOAD WEIGHT INDICATOR
William C. Yoder and Chester A. Garis, Bangor, Pa.
Application November 22, 1948, Serial No. 61,344
3 Claims. (Cl. 265—40)



1. A pressure indicating attachment for vehicles which include a subsill and pivoted sill, a resilient member having a fluid chamber therein, a conduit extending from said fluid chamber, an indicating device supplied in said conduit, said resilient member being disposed between said pivoted sill and subsill, whereby force applied to said pivoted sill will be transmitted to said resilient member, a guard disposed on and carried by said resilient member to protect said resilient member, and said pivoted sill being vertically movable from said guard so that said resilient member is protected by said guard when said pivoted sill is pivotally raised.

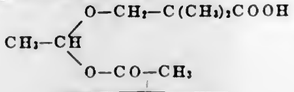
2,586,138
STOVE DRAWER TRACK
Arthur Zaltzman, Chicago, Ill., assignor to Cribben and Sexton Company, Chicago, Ill., a corporation of Illinois
Application July 19, 1947, Serial No. 762,106
1 Claim. (Cl. 312—339)



In a range equipped with spaced compartment walls extending rearwardly from a compartment opening in the front of said range, a pair of rollers carried by the front portion of each of said walls in vertically-spaced relation, the lower roller of each pair being adjacent said compartment opening and the upper roller of each pair being spaced inwardly from said opening, floating tracks slidably mounted between said rollers and supported thereby in a horizontal plane, each of said floating tracks having a channel bottom and having a laterally-extending upper portion equipped at its end with a vertical flange, balls freely supported by said channel bottoms and spaced from said laterally-extending upper portion of the floating track, body tracks slidably mounted in said floating tracks, and a drawer extending between said body tracks and rigidly secured thereto, said drawer being provided with a laterally-extending flange enclosing said vertical flange of each floating track and said body tracks having a laterally-extending U-shaped flange with spaced-apart legs, the lower leg of which rests upon said balls with the upper leg thereof in close spaced-apart relation to the laterally-extending portion of said floating tracks when said drawer has its center of gravity within said compartment, whereby, when said drawer is pulled outwardly it travels freely on said balls until its center of gravity passes over the lower rollers adjacent said compartment opening, whereupon the projecting portion of said drawer tips downwardly and causes the upper legs of said U-shaped flanges to frictionally engage the laterally-extending portions of said floating tracks, and thereafter said drawer travels outwardly on said rollers.

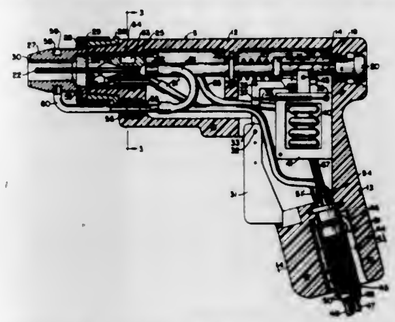
2,586,139
PRODUCTION OF ACETALS
Robert L. Adelman, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 20, 1950, Serial No. 139,791
2 Claims. (Cl. 260—488)

1. The acetyl acetal of hydroxy trimethylacetic acid having the formula:

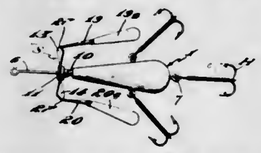


2,586,140
APPARATUS FOR ELECTRIC ARC SPOT WELDING
Nelson E. Anderson, Scotch Plains, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 30, 1948, Serial No. 41,527
10 Claims. (Cl. 219—8)

1. In an apparatus for spot welding metals, a barrel having a nozzle attached thereto, a pistol grip connected to the barrel, an electrode holder slidably supported in the barrel, a trigger on the pistol grip, connections between the trigger and the electrode holder whereby the latter is advanced when the trigger is pulled, and means controlled by the flow of electric current to the electrode holder to retract the electrode holder.



2,586,141
FISH LURE
Otis R. Angell, North Quincy, Mass.
Application May 4, 1949, Serial No. 91,290
3 Claims. (Cl. 43—42.21)

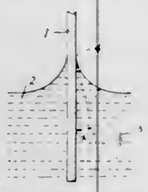


1. In combination in a fish lure, a body comprising at least one elongate plummet-shaped portion tapering in diameter toward its forward end, the body portion having an axial bore and a smooth peripheral surface devoid of irregularities, a spindle passing through the bore in the body portion, the latter being free to turn on the spindle, the spindle having provision on its opposite ends for connection to a hook and line respectively, a spinner having substantially radial, propeller-like blades arranged just in advance of the body portion, each blade of the propeller having an integral, elongate extension united to it by a flexible hinge portion, each of said extensions being longitudinally twisted and tending to flutter when the lure is drawn through the water, said extensions normally diverging rearwardly at an angle approximating the angle of taper of the plummet-shaped body portion.

2,586,142
PROCESS FOR THE PRODUCTION OF LEAD COATINGS
Gordon Lennox James Bailey, West Drayton, and Harry C. Watkins, Greenford, England, assignors to British Non-Ferrous Metals Research Association, London, England
Application October 16, 1948, Serial No. 54,892
In Great Britain November 10, 1947
2 Claims. (Cl. 117—114)

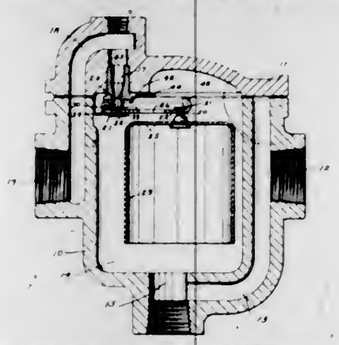
1. A process for the production of lead coatings on solid metal surfaces selected from the group consisting of the ferrous and cuprous metals which in liquid lead show a contact angle greater than 50°, which process comprises dipping the solid metal in a bath of liquid lead containing nickel in solution from at least 0.01% up to as much as can be dissolved in the liquid

lead, said nickel in such amounts having the property of reducing the contact angle to below 15°, the bath being substantially free from any metal capable of forming a stable intermetallic



compound with the solid metal, and withdrawing the solid metal from the bath whereby a corrosion resistant continuous and adherent lead coating is obtained.

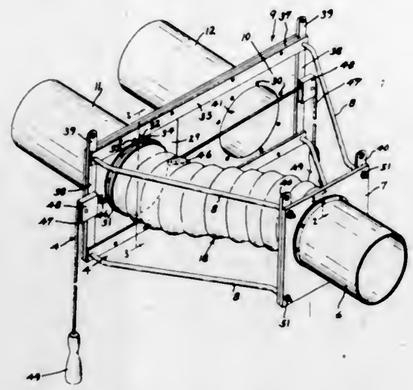
2,586,143
STEAM TRAP
Robert C. Baker, Corry, Pa., and Richard L. Clark, East Cleveland, Ohio, assignors, by mesne assignments, to Strong Steam Specialty Mfg. Co., Cleveland, Ohio, a corporation of Ohio
Application July 5, 1946, Serial No. 681,582
3 Claims. (Cl. 137—103)



1. A valve lever and float assembly for steam traps having a chamber and an outlet opening therefrom, said valve lever and float assembly comprising a lever for pivotal mounting in a steam trap chamber and having a valve for the control of the chamber outlet opening, a float suspended from said lever for effecting pivotal movement of said lever and hence the control of said chamber outlet opening by the valve of such lever, said float being provided with an upstanding stud-like projection having a reduced intermediate portion and said lever having an open-ended slot receiving the reduced intermediate portion of said float projection, the surfaces of the float projection on opposite sides of its reduced intermediate portion being of generally convex form, whereby said float is more or less universally movable relative to said lever when suspended therefrom, and means carried by said lever for preventing said float projection from escaping through the open end of the lever slot when the float is suspended from said lever.

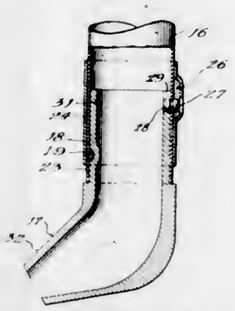
2,586,144
STOCK SWITCH
Henry F. Benoit, Charlton City, Mass.
Application July 8, 1950, Serial No. 172,712
3 Claims. (Cl. 302—28)

1. A device of the character described comprising a support having, adjacent one end thereof, a relatively rigid pipe member and a substantially straight slideway positioned adjacent its opposed end having a plurality of spaced openings therein, a flat slide plate mounted in said slideway having an opening therein, spaced pipe members supported in substantially parallel relation with each other on the slideway one in alignment with each respective opening therein, a flexible coupling embodying a tubular member having a plurality of reversely related circumferential folds



extending throughout the major portion of its length having one end thereof attached in alignment with one end of the first pipe member and having its opposed end attached to the slide plate in alignment with the opening therein and means for reversely shifting said slide plate in a substantially straight line sidewise direction into and out of alignment with the respective openings in said slideway and with the spaced pipe members carried thereby.

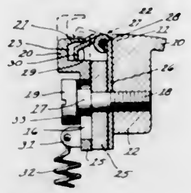
2,586,145
DRAFT APPLYING TOOL FOR PORTABLE MOTOR-BLOWER UNITS
Grant W. Breuer, Northbrook, and Clarence W. Lanter, Bartlett, Ill., assignors to Breuer Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 21, 1948, Serial No. 28,497
8 Claims. (Cl. 299—11)



3. In a draft applying tool for portable motor-blower units, a rigid tubular conduit, a resilient finger provided on one end of said conduit, a nozzle having one of its ends telescopically engaged within the conduit and formed with a groove to receive the end of said finger, a pin provided on said conduit to engage said nozzle against rotation relative to the conduit, a sleeve

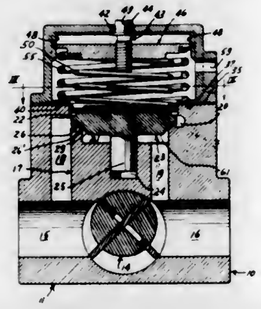
mounted for telescopic movement along said conduit to engage and prevent outward displacement of the finger from the groove formed in the nozzle, the inner end of said nozzle being formed with a recess to receive the inner end of said pin, and means on said sleeve to engage the outer end of said pin to prevent accidental displacement of said sleeve relative to said conduit.

2,586,146
DUPLICATING MACHINE PLATE CLAMP
Herbert F. Bruns, Chicago, Ill., assignor, by mesne assignments, to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application March 31, 1949, Serial No. 84,509
13 Claims. (Cl. 101—415.1)



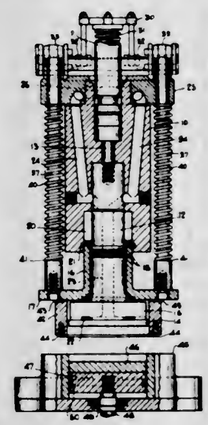
5. A clamp for securing a master sheet upon the surface of the sheet carrying segment of a duplicating machine cylinder or the like, comprising a member carried by said cylinder adjacent an end of said segment and restrained against radial movement with respect thereto, an elongated jaw member extending axially of the cylinder having a laterally facing undercut jaw element projecting toward the adjacent end of the segment, said jaw member being connected to the first-mentioned member for limited substantially radial movement relative thereto, and a clamping strip underlying the jaw element and hingedly connected to one of said members with its opposite edge disposed upon the other member for pivoting movement with respect thereto, whereby, when the jaw member is projected outwardly, said jaw element recedes from the strip and, when moved inwardly, approaches said strip in clamping relation, and means for maintaining the jaw member in the inwardly moved position.

2,586,147
REACTION TYPE VALVE
Michele Caserta, Lake Orion, Mich.
Application August 7, 1947, Serial No. 766,965
9 Claims. (Cl. 137—53)



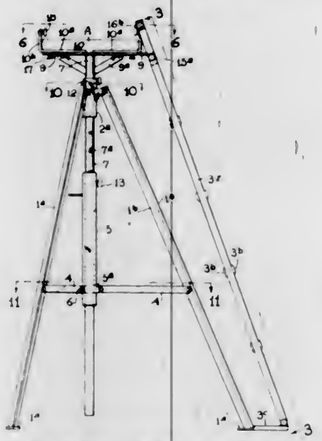
1. A diaphragm-balanced relief valve comprising a housing defining an inlet and an outlet passage and a cylindrical relief port in communication with said inlet and outlet passages, a cylindrical poppet-type valve member for movement in said cylindrical relief port to open and close said port, a circular balancing diaphragm exposed to liquid pressure in the outlet passage attached to said valve member and supported on one face so as to have substantially an effective diameter equal to the effective diameter of the cylindrical valve member a clamping ring engaging extreme outer portion of said diaphragm leaving an unclamped intermediate portion, and resilient means acting to maintain the effective diameter substantially equal to that of the valve member, whereby upon substantial increase in liquid pressure in said outlet said resilient means will yield so that the unclamped intermediate portion of the diaphragm is presented to the overflow liquid.

2,586,148
MEANS FOR THE REMOVAL OF AIR FROM FINELY DIVIDED MATERIAL BEFORE CONSOLIDATION UNDER PRESSURE
Fred Harry Clark, Kinver, and Charles Arthur Lees, Pensnett, England
Application January 4, 1950, Serial No. 136,692
In Great Britain January 6, 1949
4 Claims. (Cl. 25—83)



1. A power-actuated press for consolidating finely divided material in a hollow mould into which a die is forced by a vertically reciprocating ram, comprising a head on the lower end of the ram, a die mounted on the lower end of the head, a sleeve mounted to slide in an airtight manner on the ram, a horizontally extending flange on the lower end of the sleeve normally resting on the head, springs urging the sleeve downwardly relative to the ram against the head, a hollow box secured to the underside of the flange and depending around the head and die, a sealing member on the bottom edge of the box adapted on a downward stroke of the ram to engage the upper end of the mould before the die enters the mould, means actuated by relative movement between the ram and the sleeve for connecting the box to a source of vacuum after the sealing member has engaged the mould and before the die enters the mould and for closing the connection to vacuum on the return stroke of the ram after the die has left the mould, and valves leading to atmosphere mounted in the flange and adapted to be held open when the flange is in engagement with the head and to close when the flange leaves the head.

2,586,149
SCAFFOLD JACK AND LADDER
Ernest L. Cobie, East Cleveland, Ohio, assignor to The Star Welding & Manufacturing Company, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 20, 1948, Serial No. 28,106
3 Claims. (Cl. 304—4)

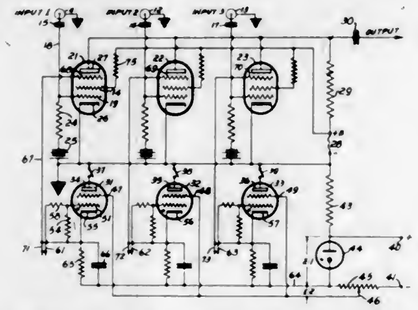


1. In portable equipment for supporting one end of a scaffold and the like, the combination of a supporting element having a scaffold support at its upper end, means for vertically and rotatably adjustably supporting said element consisting of upper and lower alined tubular members through which said element slidably and rotatably extends, a plurality of legs uniformly space about said tubular members pivotally connected at their upper ends to said upper tubular member for swinging movement toward and from said lower member radially of the latter, a linkage pivotally connected at its opposite ends to each of said legs and said lower tubular member, separate means for detachably securing said tubular members to said supporting element to support the latter in adjusted position, a ladder consisting of a main section and an extensible section, a pivotal connection between the lower end of said main ladder section and one of said legs and a pivotal connection between the upper end of said extensible ladder section and said scaffold support, whereby said extensible section moves with said support relative to said main ladder section when said supporting element is adjusted vertically, said tubular members being adapted to relatively move endwise of said supporting element to permit said legs to be collapsed into close relation to said tubular members.

2,586,150
FRICTION MATERIAL AND METHOD OF MAKING SAME
Henry J. Cofek, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
No Drawing. Application December 31, 1948, Serial No. 68,731
8 Claims. (Cl. 260—38)

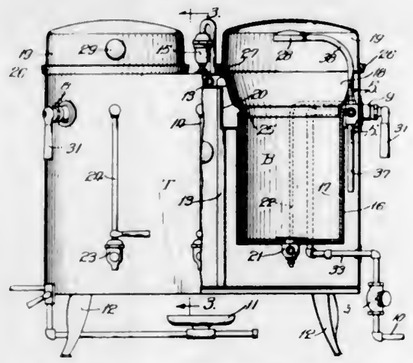
1. A friction material composition adapted to be compacted and shaped under pressure, comprising fibrous asbestos, fillers, and as the principal binder therefor, an aqueous solution of a thermosetting partial condensation phenol-aldehyde resin reaction product having a solids content of from about 50% to about 80% by weight, the resin having a limited water solubility, said solubility being 1 part resin solution to from 3 to about 8 parts water as referred to a 50% solids solution.

2,586,151
ELECTRONIC SWITCHING
Edwin J. Costello, Baldwin, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1948, Serial No. 11,279
7 Claims. (Cl. 250—27)



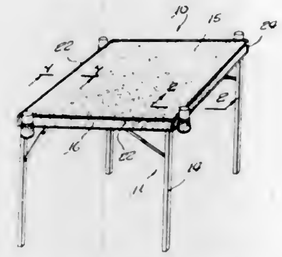
1. Electronic switching means comprising a plurality of circuits each circuit containing a vacuum tube adapted to pass or not pass signals in accordance with a potential applied thereto, a trigger tube associated with each said vacuum tube and connections therebetween whereby each vacuum tube passes signals only when its associated trigger tube is conductive, means for applying pulses to any one of the respective trigger tubes at random to make them individually conductive, and means interconnecting said trigger tubes whereby the starting of one such tube causes any other conducting trigger tube to become non-conductive.

2,586,152
TWIN URN FOR MAKING COFFEE AND THE LIKE
Frank C. Ehrenreich and Harry W. Anderson, Chicago, Ill.
Application March 28, 1950, Serial No. 152,304
1 Claim. (Cl. 99—291)



A coffee making device comprising an elongated water heating tank having a float-controlled cold water inlet thereinto, a pair of percolating urns arranged side by side in the tank each equipped with an overhead spray and a valve-controlled coffee draft outlet in the base thereof leading to the front exterior of the tank, a pair of cross-channel valves arranged on the front of the tank each vertically adjacent a different one of the respective draft outlets, with each of the valves having a horizontal channel and a vertical channel, a pipe extending across and within the front of the tank from one valve to the other to afford communication between the horizontal channel in each of the valves, a pipe leading from the opposite end of the horizontal channel in the one valve to the float-controlled water inlet, a pipe connecting the opposite end of the horizontal channel in the other valve with a source of cold water, pipes connecting the vertical channel in each valve with the respective urn spray and with the interior of the tank at a point below the normal float-controlled water level therein, and a rotatable valve member in each of the valves and controlling the channels therein to permit communication when in one position only between the horizontal channels and when in another position only between the vertical channels whereby movement of the rotatable valve member in either valve to a position establishing communication between an urn spray and the interior of the tank prevents communication between the source of cold water and the tank inlet.

2,586,153
BRIDGE TABLE COVER
Irving Eisman, New York, N. Y., assignor to Eisman, Ewen & Rose, Inc., New York, N. Y., a corporation of New York
Application January 20, 1951, Serial No. 207,025
2 Claims. (Cl. 45—68.3)

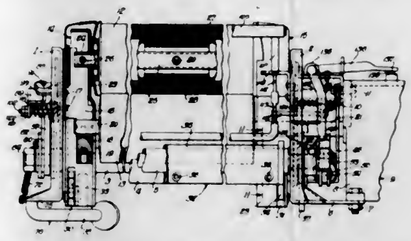


1. A bridge table cover comprising a top portion and a downwardly depending skirted portion at each side of the top portion, a glass holder adjacent each corner of said bridge table cover, each holder comprising a panel made of flexible material stitched at its upper end to the top of the table cover and depending therefrom, and a panel attached at its sides to the sides of the first panel, and a bottom attached to the lower edges of said panels.

2,586,154
RACEMIZATION OF AMINO ACID
Robert D. Emmick, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1950, Serial No. 171,245
8 Claims. (Cl. 260—534)

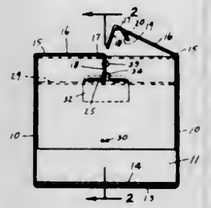
1. Process for the racemization of lysine which comprises heating optically active lysine in combination with phosphoric acid.

2,586,155
WRINGER
Nicholas L. Etten, Waterloo, Iowa, assignor to Chamberlain Corporation, Waterloo, Iowa, a corporation of Iowa
Application June 19, 1947, Serial No. 755,774
13 Claims. (Cl. 68—253)



10. In a wringer, a frame, a slidable roll in said frame, slidable bearings for said roll, arms engaging said slidable bearings, tension means acting upon said arms, a reset lever pivoted upon said frame, a latch lever pivoted to said reset lever, yielding means upon said reset lever for controlling said latch lever, a latch dog having an operative connection with said tension means, a stop pin upon said latch lever for engaging and controlling said dog, and means for latching and unlatching said latch lever and a rotatable cam having an operative relation with said reset lever.

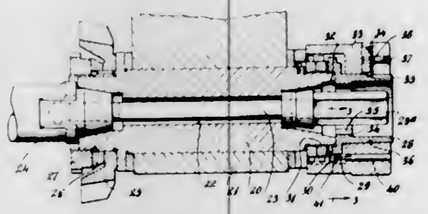
2,586,156
PAPERBOARD BOX COVER LOCK
Kenneth C. Ferguson, Indianapolis, Ind., assignor to Inland Container Corporation, Indianapolis, Ind., a corporation
Application January 7, 1949, Serial No. 69,791
1 Claim. (Cl. 229—45)



In a paper board box having a bottom and opposed end and side walls, said end walls each having a hand hole, each end wall being folded upon itself at its upper end to form a pocket disposed transversely of and coextensive with the end wall and a portion of which constitutes the upper end of the hand hole, a reenforcing member of a size and shape to snugly fit within said pocket and extending substantially throughout the length thereof, the combination therewith of covers hinged to the upper edges of said side walls and of a length corresponding to the length thereof, the free ends of said covers meeting longitudinally of said box, flaps on the ends of said covers, said flaps being of a length substantially equal to the distance between the inner faces of the folded ends of said box and of depths substantially equal to the breadth of said pockets, a pair of spaced and aligned locking tongues integral with said flap ends and arranged in tandem to project outwardly from each of the outer ends of each of said flaps, said tongues being rounded at their ends and of lengths corresponding to the thickness of the material forming the

inner wall of said pocket, and the inner wall of each pocket having a pair of spaced and aligned recesses arranged in tandem and so located as to receive said tongues on the adjacent ends of the flaps respectively and hold the same in locking engagement when said flaps have been forced to the limit of their downward movement between said box ends.

2,586,157
VIBRATION DEGENERATING DEVICE
Emil R. Gasser, Buffalo, and Gustave H. Hedman, Kenmore, N. Y., assignors to Farrel-Birmingham Company, Inc., Buffalo, N. Y., a corporation of Connecticut
Application March 15, 1947, Serial No. 735,042
11 Claims. (Cl. 90—11)

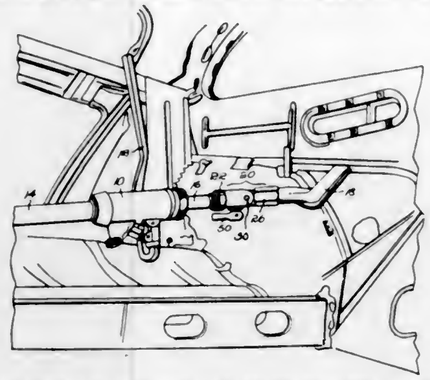


1. A device for degenerating self-excited vibrations set up in a spindle or shaft by a cutting tool carried thereby, comprising in combination, an inertia mass mounted on and in substantially coaxial relation to said spindle, a viscous lubricating substance between the inertia mass and the spindle for providing limited frictional resistance to rotation therebetween, and means for adjustably varying the viscous frictional resistance to rotation of the mass relatively to the spindle.

3. A device for degenerating self-excited vibrations set up in a spindle or shaft by a cutting tool carried thereby, comprising in combination, a sleeve for attachment to the spindle for rotation therewith, an inertia mass movably mounted on and in substantially coaxial relation to said sleeve for frictional rotation therewith, and means for adjustably varying the resistance to rotation of the mass relatively to the sleeve by movement of the mass axially relatively to the sleeve comprising a radically mounted pin having an eccentric nose mounted in one of said members and extending into an annular groove in the other of said members, rotation of said pin operating to shift the inertia mass relatively to the sleeve.

2,586,158
ADJUSTING FITTING FOR TOOL ASSEMBLIES FOR RESHAPING DEFORMED AUTOMOBILE BODY PARTS
John W. Geddes, Boston, and Harry C. Ferguson, Melrose, Mass., assignors to H. K. Porter, Inc., Somerville, Mass., a corporation of Massachusetts
Application April 21, 1949, Serial No. 88,836
3 Claims. (Cl. 153—32)

1. A fitting for mounting at the extremity of a linearly movable jack ram a panel engaging tool having a shank and a head, the fitting comprising a member having an axially opening coupling element providing for securing the fitting to the ram and a member having an axial extending socket to receive the tool shank, the two members being hinged together on a pivot pin transverse to the axis, and a power screw connecting the two elements at a point remote from the axis and having



a handle for turning the same exposed laterally at the exterior of the fitting.

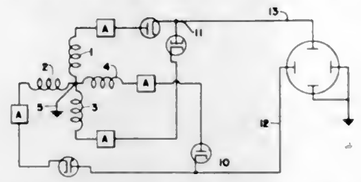
2,586,159
ADJUSTABLE STRAP BUCKLE
Simon Grishman, Yonkers, N. Y.
Application February 17, 1949, Serial No. 76,938
1 Claim. (Cl. 24—200)



A buckle for an adjustable strap connection, said buckle having two laterally spaced bars intermediate the opposite ends thereof for engaging the folded portion of an adjustable loop of said strap connection, said buckle having at one end thereof a third bar for engaging another folded strap portion of the strap connection, said third bar and one of said two bars having confronting edges defining an opening to receive said two strap portions, said opening-defining edges being concave with their curvatures disposed oppositely with reference to each other so that the folded strap portions which are received in said opening engage said concave edges of the bars and have concave folded edges at their respective fold lines conforming to the curvature of said bar edges, respectively, so that they remain substantially co-extensive with said edges in various laterally displaced positions of the two strap portions, the opposite end of said buckle having spaced confronting parts which, together with one of said first mentioned bars are adapted to hold said loop adjustably in position, said spaced confronting parts defining an aperture to facilitate the insertion of the strap loop in the buckle.

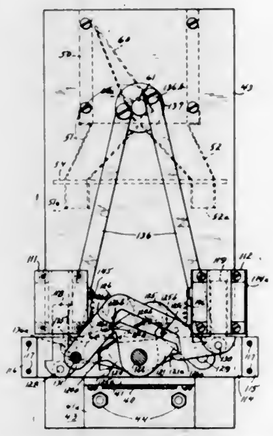
2,586,160
REPRODUCING APPARATUS
Neil E. Handel, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy
Application October 11, 1945, Serial No. 621,832
8 Claims. (Cl. 178—18)

1. Apparatus for the visual reproduction of a plurality of different angular motions which includes a stationary inductor comprising separate rectangularly related coils disposed on each side of a pair of intersecting coordinate axes, a movable inductor cooperating with said stationary inductor and having imparted thereto the mo-



tion to be reproduced, means to supply an exciting voltage to said movable inductor, and means to indicate visually the phase and magnitude of a voltage induced in said stationary inductor by said exciting voltage.

2,586,161
MECHANICAL COUNTING DEVICE
Ward E. Hastings, Chattanooga, Tenn., assignor to The Chattanooga Medicine Co., Chattanooga, Tenn., a corporation of Tennessee
Application August 16, 1946, Serial No. 691,116
8 Claims. (Cl. 193—31)



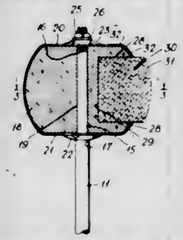
1. In a mechanical counting device for particulate material, a box-like structure having vertically extending lateral walls defining a main flow channel for receiving a stream of said particulate material, means for delivering said particulate material to said main flow channel during normal operation of the device, means moving proportionally to the delivering means, V-shaped means closely adjacent the lower extremity of the box-like structure dividing said main flow channel into two separate flow channels, a rock shaft journaled in opposed lateral walls of said box-like structure adjacent the lower extremity of the box-like structure and projecting externally of the box on one side, a sharp-edged blade secured to said rock shaft within said box-like structure, a crank on said rock shaft externally of the box-like structure, a system of levers acting on said crank to move said blade first against one and then against the other of said lateral walls, solenoids for actuating said lever system, and means responsive to said proportionally moving means to actuate said solenoids in synchronization with said moving means.

2,586,162
WEED GUARD FOR FISHHOOKS
Boyd Hayden, Newton, Mass.
Application May 19, 1950, Serial No. 163,021
5 Claims. (Cl. 43—43.2)



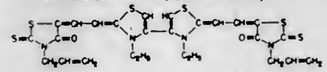
1. In combination with a fish hook having an eye, a shank with a curved portion and a barbed pointed end portion, a weed guard comprising an elongated resilient member having an eye at one end loosely surrounding the shank of the hook at a point of the curved portion thereof and at the other end abutting said fish hook at a point adjacent to the eye thereof, said guard also having an intermediate portion extending between the point and eye of the hook bowed outward under tension, and a guard portion flanking the barbed point portion of the hook.

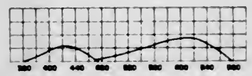
2,586,163
COMBINATION HARD AND SOFT BASS DRUM BEATER BALL
Gordon F. Heiderich, New York, N. Y., and Charles Tappan, Bloomfield, N. J.
Application July 2, 1947, Serial No. 758,668
12 Claims. (Cl. 84—422)



1. In combination, a beater arm; a light weight beater ball of cemented cork provided with an axial bore fitted on and frictionally engaging said reduced portion; the ball having a large rectangular recess situated laterally of the axial bore; a block of felt filling said recess and projecting a short distance therefrom; a drum hide cover tightly cemented around the ball and exposing the block; the ball being turnable to present said block or said drum hide to the drum.

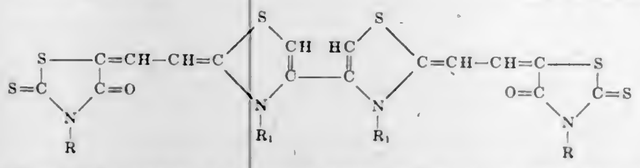
2,586,164
PHOTOGRAPHIC EMULSIONS CONTAINING SYMMETRICAL TETRANUCLEAR DYESTUFFS
Lee C. Hensley, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application October 31, 1950, Serial No. 193,285
4 Claims. (Cl. 95—7)





1. A photographic gelatino silver halide emulsion containing a symmetrical tetranuclear mero-

cyanine dyestuff characterized by the following general formula:

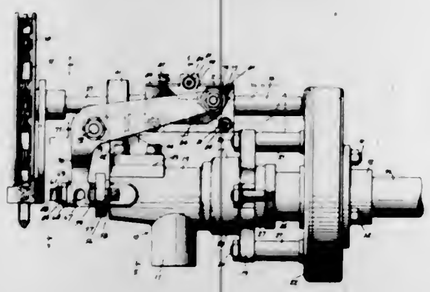


wherein R represents a member selected from the class consisting of alkyl, allyl, and phenyl groups and R_1 represents a member selected from the class consisting of alkyl and aralkyl groups.

2,586,165
VALVE MECHANISM FOR SOOT BLOWERS

De Los E. Hibner, Du Bois, Pa., assignor, by mesne assignments, to Continental Foundry & Machine Company, East Chicago, Ind., a corporation of Delaware

Application August 31, 1948, Serial No. 46,990
1 Claim. (Cl. 15—318)



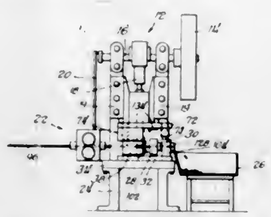
In a soot blower, a valve body including a valve opening for admitting cleaning fluid to a movable blowing element, a movable valve for opening and closing said valve opening, a movable blowing element in communication with said valve opening, a rotatable shaft, drive means between said shaft and said movable blowing element for moving the latter, lever means connected to said valve for imparting opening and closing movement thereto, a screw carried by said shaft, a traveling nut engaged with said screw adapted to have rectilinear movement through rotation of said shaft, and cam means carried by said nut having a cam groove engaged by said lever means for imparting valve opening and closing movement thereto, said groove including end portions for closing said valve in the respective end positions of movement of said nut and an intermediate portion for opening said valve.

2,586,166
APPARATUS FOR PRODUCING DRIVE PINS

Hollis R. Hilstrom, Western Springs, Ill.

Application May 1, 1946, Serial No. 666,342
5 Claims. (Cl. 78—20)

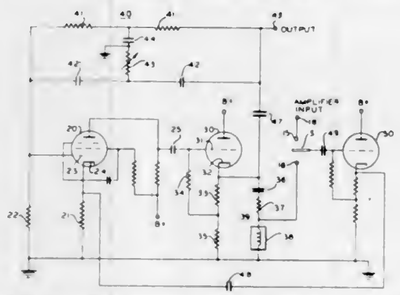
5. In combination, a base, a die block supported for vertical movement on said base, a plurality of radial tool bits slidably mounted in said die block and slidable to positions wherein their inner ends approach a common meeting point, and actuating means for moving said die block downwardly, certain of said tool bits being exposed to said base and other tool bits being exposed to said actuating means, said actuating means being adapted to move said die block toward said base and to cause engagement by said actuating means and base with the respective tool bits and force them inwardly toward each other.



2,586,167
OSCILLATOR

George N. Kamm, Boston, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of the Navy

Application July 3, 1945, Serial No. 603,093
8 Claims. (Cl. 250—36)



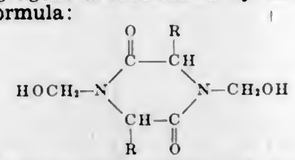
1. An oscillator comprising, in combination, a first electron tube having at least a control grid, a cathode and an anode, said first tube being connected as an amplifier, a second electron tube having a control grid and a cathode, said second tube being connected as a cathode follower, the anode of said first tube being coupled to the control grid of said second tube, a negative feedback circuit coupled between the cathode of said second tube and the control grid of said first tube and including a filter adapted substantially to prevent feedback through said circuit at a predetermined frequency, but to permit feedback at frequencies substantially different from said predetermined frequency, and a positive feedback circuit coupled between the cathode of said second tube and the control grid of said first tube and including a voltage divider comprising a resistance variable with current passing therethrough and a fixed resistance relatively large with respect to said variable resistance, said resistances being so arranged as to decrease the proportion of the amplifier output fed back as the output increases and to increase the proportion of the amplifier output fed back as the output decreases.

2,586,168
PROCESS OF HARDENING GELATIN AND PHOTOGRAPHIC GELATIN EMULSIONS

Frank J. Kaszuba, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

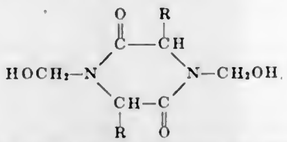
No Drawing. Application July 11, 1947, Serial No. 760,488
15 Claims. (Cl. 95—7)

1. The method of producing a hardened gelatin layer in a photographic silver-halide element having no after-hardening tendency which comprises uniformly mixing therewith, prior to coating upon a support, a dimethylol-diketopiperazine hardening agent characterized by the following general formula:



wherein R represents a member selected from the class consisting of hydrogen, and an alkyl group of not more than 4 carbon atoms and a phenyl group.

5. The method of producing a hardened gelatin layer in a photographic silver-halide element having no after-hardening tendency which comprises uniformly mixing therewith, prior to coating upon a support, 2,4-dihydroxy benzaldehyde and a dimethylol-diketopiperazine hardening agent characterized by the following general formula:

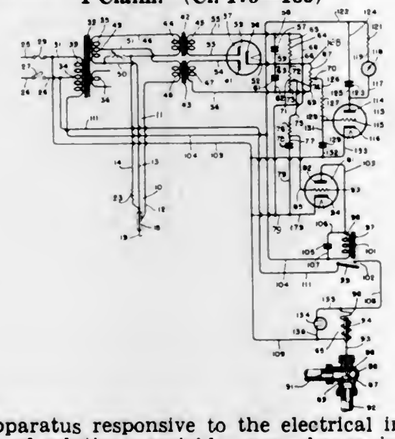


wherein R represents a member selected from the class consisting of hydrogen, and an alkyl group of not more than 4 carbon atoms and a phenyl group.

2,586,169
APPARATUS FOR CONTROLLING AND MEASURING THE CONCENTRATION OF SOLUTIONS

Raymond V. Kline, Minneapolis, Minn., assignor to Patent Management Inc., Minneapolis, Minn., a corporation of Minnesota

Application August 4, 1947, Serial No. 765,867
1 Claim. (Cl. 175—183)

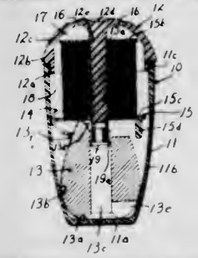


Apparatus responsive to the electrical impedance of solutions variable upon change in concentration and upon change in temperature at any concentration, said apparatus comprising a pair of spaced electrodes making electrical contact with the solution, a compensating resistor disposed in the solution and subject to the temperature thereof, means for causing the flow of alternating current through said resistor and through said electrodes, transformers for separately stepping up said currents, rectifying means for separately rectifying the stepped up currents, circuits connected to said rectifier and through which the rectified currents flow, a loading device comprising two resistors, said resistors being connected in series and each being connected in one of said circuits, said circuits being arranged so that the currents through said resistors oppose one another and current responsive means energized by the current flowing through said resistors.

2,586,170
FISHING TACKLE ASSEMBLY

Otto Lawrenz, Chicago, Ill., assignor to Peerless Tool & Engineering Co., Chicago, Ill., a corporation of Illinois

Application October 4, 1946, Serial No. 701,231
8 Claims. (Cl. 43—43.11)



1. A bait retriever comprising in combination with a centrally apertured reel with end flanges, a centrally apertured and longitudinally slotted weight, a line wound on the reel and attached to the weight, a cup shaped to snugly receive said weight in the bottom portion thereof, and a hollow domed cap for said cup having a central stem depending from the apex of the hollow dome beyond the cap to project into the cup, said stem projecting through the reel aperture and providing a spindle for the reel, said reel being slidable on the stem to partially enter the hollow dome of the cover to engage one end flange thereof on the cover, said stem projecting beyond the other end flange of the reel when the reel is engaged against the cover, and said projecting portion of the stem extending into the central aperture of the weight to aid in holding the weight in fixed position in the cup.

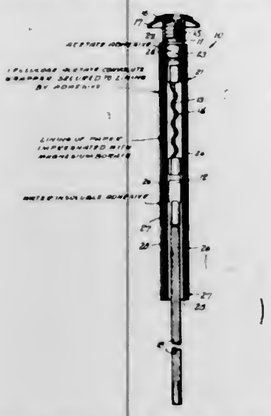
2,586,171
CIRCUIT INTERRUPTING MEANS

George F. McMahon, Chicago, Ill., assignor to S & C Electric Company, Chicago, Ill., a corporation of Delaware

Application May 1, 1947, Serial No. 745,190
1 Claim. (Cl. 200—120)

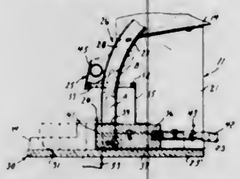
A replaceable fuse link comprising, in combination, a pair of terminals interconnected by fusible means, and an insulating sleeve surrounding said fusible means and extending over said terminals; said sleeve having a lining of arc extinguishing material characterized by being relatively weak mechanically and likely to buckle when subjected to longitudinal stress and to crack or break in handling, and likely to burst when employed in fuse tubes before the magnitude of the arc

current capable of being extinguished thereby is high enough to be quickly and efficiently extinguished by the fuse tube, and a cellulose acetate wrapper convolutely wound on said lining and secured thereto by adhesive means, said wrapper having a thickness substantially less than the



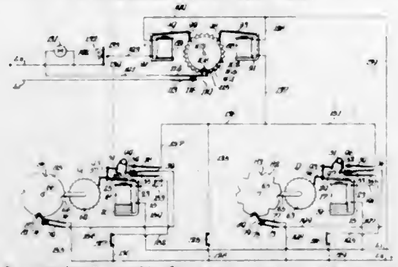
wall thickness of said lining and characterized by being relatively tough and strong mechanically and capable of reinforcing said mechanically weak lining to withstand longitudinal stress and protecting said lining in handling and resisting bursting stress up to the limit of the arc interrupting ability of said lining.

2,586,172
EDGE PILING MACHINE
Francis H. Murphy, Webster Groves, Mo., assignor to Switzer Companies, a partnership
Application May 10, 1948, Serial No. 26,064
1 Claim. (Cl. 214—7)



In a wrapped article handling attachment for a wrapping machine having a conveyor for delivering a wrapped article in an upright position, a housing depending from a support for said conveyor, an article turning device carried on said housing comprising a curved bottom plate having one of its ends abutting said conveyor and its other end disposed at approximately 90 degrees thereto and a flanged side attached to each side of said plate, an article holding mechanism associated with said chute comprising a spring biased yoke pivotally connected to said housing, and a stop member mounted on said yoke, a movable platform having article supporting and article pushing surfaces movable through an opening in said bottom plate at the discharge end of said chute, a block attached to said platform movable in guideways supported within said housing, an upright bracket supported on said block having two arms movable against said yoke, a drive mechanism for moving said block in said guideways with reciprocating movement, and a table extending outwardly from said housing adapted to support articles pushed thereon by said platform.

2,586,173
COIN CREDIT MECHANISMS AND CIRCUITS
Marvin G. Nelsen, Skokie, Ill., assignor to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application October 31, 1946, Serial No. 706,931
7 Claims. (Cl. 235—92)

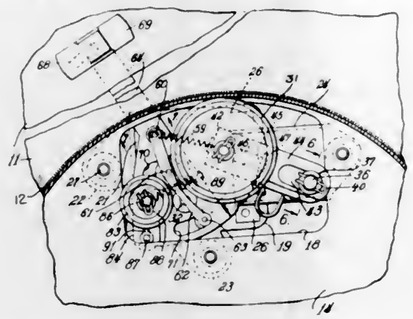


2. A control unit for an automatic machine adapted, when controlled by a switch, to perform a series of operations in sequence, said unit comprising a first switch capable of controlling the operation of said machine, ratchet means for actuating said switch, first electro-magnetic means for moving said ratchet means step by step toward and into a position where said first switch opens and operative after each machine movement to move said ratchet means one such step, second electro-magnetic means for moving said ratchet means step by step out of and away from said position where said first switch opens, and means for transmitting separate electrical impulses sequentially to said second electro-magnetic means, said transmitting means being adapted to be connected to a source of electrical energy and each transmitted impulse being operative to move said ratchet means one step, said transmitting means including a plurality of separate relays operative to transmit a different plurality of impulses, said separate relays each having cam means rotated thereby, said cam means each having a different number of lobes thereon, a second switch and a third switch for each relay both adapted to control the operation thereof, said second switch having a movable contact member and a pair of relatively fixed contact members adapted to be engaged by said movable contact member, means for effecting the engagement of the movable contact member with said fixed contact members sequentially upon each energization and deenergization of the associated relay, said engagement of one of the fixed contacts being adapted to transmit one impulse and said engagement of the other of said fixed contacts adapted to energize its associated relay to effect rotation of its cam means, a fourth switch connected to each relay, each of said fourth switches, when closed, adapted to effect initial energization of its associated relay, said second switch being operative after said third switch has been closed by the initial rotation of its associated cam means to energize said relay one more time than the number of impulses transmitted upon sequential energization of said relay and said relay being operative upon its last energization to rotate its associated cam member to a position to open said third switch.

2,586,174
TURNTABLE DRIVE
Frank R. Nuckols, Mundelein, Ill.
Application December 14, 1948, Serial No. 65,159
12 Claims. (Cl. 74—190)

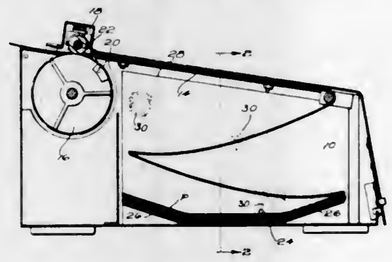
1. In a phonograph record player comprising a turntable and a motor, means to provide for

two-speed operation of the turntable from a single speed motor having a drive shaft including a first idler, means to associate said first idler floatingly with said motor, means to urge said first idler toward a position between said turntable and said drive shaft to provide a first speed for the turntable, shiftable means to provide a second speed for said turntable including a movable member in association with the motor, a second idler carried by said movable member, said second idler including two pulley surfaces differing in diameter, one of said pulley surfaces



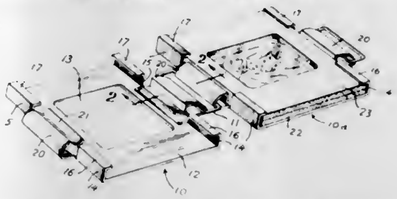
being adapted to engage said first idler drivingly and to move said first idler out of engagement with said drive shaft when said movable member is moved from a first to a second predetermined position, a third idler, means to associate said third idler floatingly with said movable member, means in connection with said movable member to associate said third idler drivingly between said drive shaft and the other of the pulley surfaces of said second idler when said movable member is moved into said second predetermined position.

2,586,175
AUTOGRAPHIC REGISTER
Harold G. Nyman, Belmont, Mass., assignor to American Register Company, South Boston, Mass., a corporation of Massachusetts
Application July 25, 1949, Serial No. 106,572
3 Claims. (Cl. 282—16)



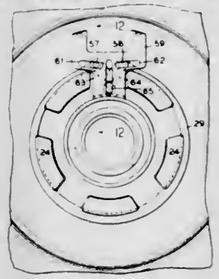
1. An autographic register of the kind wherein a number of superposed strips of forms folded together zigzag to form a pack are drawn from the pack to bring superposed forms successively into inscribing position over a platen characterized by this, that there is at either side of the strips a pile having elements extending across the path of movement of the strips with their free ends projecting inwardly past the edges of the strips to be engaged by the face of the strips to deflect the pile elements as the strips move along their path with the ends brushing across the edges.

2,586,176
LINKED SLIDE CARRIER
Hartvig Olsen, Brooklyn, N. Y.
Application March 11, 1950, Serial No. 149,100
15 Claims. (Cl. 40—152)



1. In a slide carrier having a plurality of frames linked together in end to end relationship; a frame comprising a plate having a sight opening formed therein; inwardly opening channels extending along portions of the opposite end edges of said plate for slidably receiving the end edges of a slide; and link retainers extending from the opposite ends of said frame and adapted to engage connecting links, each of said link retainers including a resilient split substantially tubular member having one edge of the split formed integral with the end edge of the plate, and a locking tab extending from the other edge of the split and overlying the plate, said tab being resiliently urged away from the plate whereby the link may be removed through the split in said tubular member, and whereby said tab is moved against said plate by a slide disposed on said frame to thereby close said link retainer with said tab frictionally holding the slide in said frame.

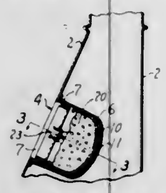
2,586,177
QUICK DETACHABLE WHEEL
Woolsey D. Peck, Detroit, Mich., assignor to Edward H. Kramer, Detroit, Mich.
Application March 16, 1950, Serial No. 150,003
10 Claims. (Cl. 301—9)



1. A quick detachable wheel assembly, comprising a hub structure having an axle-receiving tubular portion and a radially disposed flange portion surrounding said tubular portion, said flange portion being provided with circumferentially spaced projections extending axially outwardly, a disk structure having a central opening to receive said tubular portion and having a surrounding web portion for disposition along the axially outer surface of said flange portion, said web portion being provided in spaced relation to said opening with apertures to receive the projections of said hub portion, said projections being of a length to project axially outwardly beyond those parts of the web portion of each of said projections being provided on its radial outer surface with a ring-receiving groove, a resilient split ring disposed on the axially outer surface of the web portion of said disk structure for re-

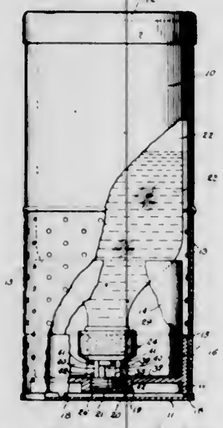
movable seating engagement in the grooves of said projecting portions, said ring having a normal tendency to radially contract to a size to seat in such grooves, and toggle linkage pivotally connected to the end portions of said ring for effecting, upon movement toward straightening relationship, radial expansion of said ring to disengage it from said grooves and thereby permit removal of the disk structure from the hub structure, said toggle linkage being provided with bodily movable portions for manipulation in effecting straightening movement of the linkage, said bodily movable manipulating portions extending axially outward substantially beyond the adjacent outermost axial surfaces of the links of said linkage for convenient access thereto.

2,586,178
NAME PLATE ATTACHING MEANS FOR GRAVE MARKERS
Lester L. Rochester, Port Clinton, Ohio, assignor of one-half to Dean B. Rideout, Fremont, Ohio
Application February 17, 1950, Serial No. 144,617
5 Claims. (Cl. 40—140)



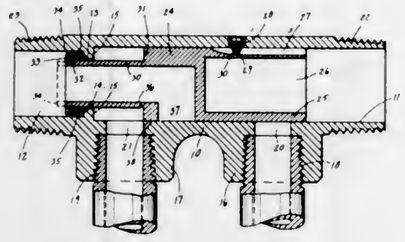
1. In a grave marker or the like of a type having an external shell with a pocket in a wall thereof and opening outwardly therethrough, a plate mounted in the open outer end of the pocket, a screen mounted in the pocket, a second screen attached to the plate and projecting therefrom into the pocket to be anchored therein and to said first screen by a cementitious material placed in the pocket.

2,586,179
DIFFUSING APPARATUS
Allen T. Rooch, Cincinnati, Ohio; Gertrude Owen Rooch executrix of said Allen T. Rooch, deceased
Application February 26, 1948, Serial No. 11,180
3 Claims. (Cl. 299—23)



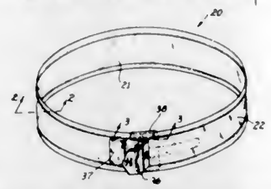
1. In a liquid dispenser the combination of an open-topped cup having a smooth, substantially horizontal inner surface, said surface containing a vertical bore, a container support member attached to said bore, and a fluid container attached to said support member and mounted above said cup in inverted position, said support member including a lower section threaded to said bore, an upper portion attached to the container to form a cap for the bottle, and a stem between said upper and lower portions, said upper portion and stem containing a bore communicating with said container, one side of said stem being cut away lengthwise to remove a portion of the stem which substantially bisects the bore of the stem, and vertical strengthening elements atached to said upper and lower portions, said strengthening elements being spaced from said bore, said bore forming a passageway through which liquid flows from said bottle into said cup.

2,586,180
ANTISCALD AND PROPORTIONING VALVE
Paul W. Sanford, Indianapolis, Ind., assignor, by direct and mesne assignments, of one-half to Body Guard Valve Co., Inc., a corporation of Indiana, and one-half to Shepherd Machine & Tool Co., Inc.
Application April 22, 1948, Serial No. 22,527
3 Claims. (Cl. 277—20)



1. In a valve structure for control of fluid flow from two relatively independent pressure fluid supplies and independently subjected to the fluid pressures applicable in opposition and having a cylindrical body having intakes at its opposite ends, one of said intakes being of smaller diameter than the intake at the opposite end thereof, and a pair of transversely disposed aligned independent discharge openings in that portion of the body having the enlarged area, the combination of a tubular valve member reciprocally mounted in said valve body having a medially disposed partition providing a piston and dividing said tubular valve member into oppositely disposed chambers, that chamber communicating with the enlarged area portion of the valve body being of greater area than that chamber communicating with the valve body of reduced area, and said enlarged area chamber having an axial outlet while the reduced area chamber is provided with a transversely disposed outlet, the valve body chamber being divided into two portions by an annular shoulder, and the tubular valve member having an annularly disposed gasket on its reduced end adapted to engage one side of said annular flange under predetermined pressures, and a shoulder on the opposite side of said flange adapted to engage the opposite side of said flange under predetermined pressures.

2,586,181
HEADWEAR
Frank Schlesinger, New York, N. Y.
Application June 8, 1948, Serial No. 31,667
4 Claims. (Cl. 2—183)



1. An adjusting device for head covering, comprising tubular sheathing means, a strap of substantially non-stretchable material extending longitudinally within said sheathing means, the ends of said strap projecting from said sheathing means, clasping means, said ends being adjustably secured together by said clasping means for varying the effective circumferential length of said strap, a stiffening member extending longitudinally within said sheathing means substantially parallel to said strap, and adjustable means to secure the ends of said member together in variable spaced apart positions so that said stiffening member maintains said sheathing means and said strap in substantially circular configurations.

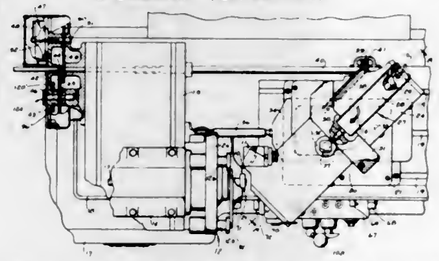
2,586,182
POLYMER POLYSULFIDES CONTAINING ETHER GROUPS
Frank K. Signaigo, Kenmore, N. Y.
No Drawing. Application December 11, 1945, Serial No. 634,394
3 Claims. (Cl. 260—79.1)

3. As a new product, a polymeric (methoxymethyl)-ethylene polysulfide having recurrent structural units of the formula:

$$(-CH_2-\underset{\displaystyle CH_2OCH_3}{\underset{|}{CH}}-S_n)_x$$

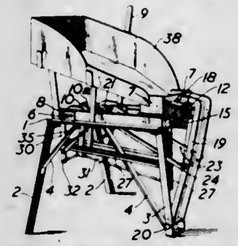
where n is a small integer greater than 1 and x is an integer greater than 1.

2,586,183
TURNING MACHINE
Gilbert Stewart, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application December 29, 1945, Serial No. 638,198
3 Claims. (Cl. 82—14)



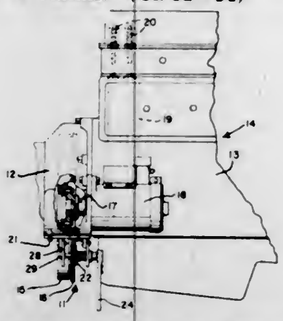
1. A turning machine comprising the combination of a base, a rotatable work support thereon, a motor for rotating said support, a table reciprocable in parallelism with the rotational axis of said work support, hydraulic mechanism for reciprocating said table, a tool support slide mounted on the table and movable relative to the latter along a path lying at an acute angle to the path of table reciprocation, coacting cam and cam follower elements arranged with one of said elements fixed to said base and the other to said slide for effecting movement of said slide along said acute angle path in timed relation with the movement of said table, a rotatable shaft, a rack mounted on the slide, a pinion drivingly fixed to said shaft and disposed in meshing engagement with said rack, means including a driving gear having a splined connection with said rotatable shaft, motor control means drivingly connected to said driving gear for varying the rate of said motor and therefore the rotation of said work support in proportion to said lateral displacement of said slide to maintain substantially constant the peripheral speed of a workpiece relative to a tool, and a hydraulic control means also drivingly connected to said driving gear for simultaneously varying the rate of said hydraulic mechanism and therefore the rate of table travel in proportion to said lateral displacement of said slide to maintain substantially constant the rate of movement of said tool along the profile of the work.

2,586,184
HAND-OPERATED MACHINE FOR MOLDING BLOCKS OR BRICKS
Richard Lawrence Sturtevant and Bernard John Sturtevant, Heath Common, Storrington, and Richard Lawrence Sturtevant, Jr., Findon Valley, Worthing, England
Application December 17, 1949, Serial No. 133,546
In Great Britain July 19, 1949
3 Claims. (Cl. 25—101)



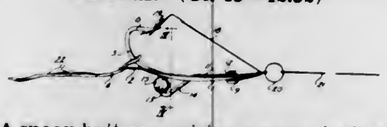
3. In a hand operated machine for making precast blocks comprising a mould box having two fixed sides and two oppositely movable pressure plates for compressing each charge therein, and defining the other sides of said mould box, a cover plate for opening and closing the upper end of the mould box and an elevator base for said mould box vertically movable, upon the opening displacement of the cover plate, to lift the precast block moulded therein above the sides thereof, a shaft incorporating a plurality of cams displaced from said mould box in a horizontal plane, means serving to operatively connect the respective cams with the pressure plates, cover plate and elevator base respectively, said pressure plates being normally biased to remain in spaced open position, and means for unidirectionally angularly displacing said shaft for transmitting in sequence, a simultaneous inward movement of said pressure plates to form a charge in the mould into a moulded product, a partial separation of one of the pressure plates in relation to the other to release the pressure within the mould box developed by the charge being moulded, the full separation of the pressure plates and the displacement for opening of the cover plate, and finally, the ejection of the moulded block by vertical movement of the elevator base.

2,586,185
FLYWHEEL ROTATING DEVICE
Henry Stuwe, Westbrook, Minn.
Application February 7, 1950, Serial No. 142,782
5 Claims. (Cl. 81—54)



1. A device mountable on an automobile flywheel housing which covers the flywheel and its attached gear and has its lower part open to expose part of said gear, said device comprising one bracket member readily attachable to and detachable from one side of said open lower part, arms adjustably mounted on said member, a pinion, and cooperating shaft parts rotatably mounted in said arms and carrying said pinion in mesh with said gear, adjacent said side of said open lower part and higher than the lowest part of said gear, one of the shaft parts being secured to the pinion and having its end arranged to have a wrench attached thereto for rotating the pinion and thereby the flywheel a complete revolution.

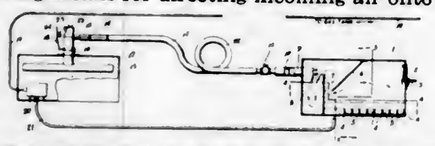
2,586,186
SPOON BAIT
Julius Swanberg, Chicago, Ill.
Application March 18, 1948, Serial No. 15,690
8 Claims. (Cl. 43—42.52)



1. A spoon bait comprising a spoon body having a longitudinal center slot therein, a tail piece integrally formed on one end of the spoon body and having a slot therein for receiving a pork rind strip therethrough, a fish hook seated in the spoon body having one end riveted thereto and the opposite point carrying end disposed above the tail piece to receive one end of the pork rind strip engaged thereon, said hook having a portion of the shank deflected to form a triangular keel section projecting through the spoon body slot, and a stabilizer ball engaged on the keel section to assist in locking the hook in place and serve as a stabilizer for controlling the transverse oscillation of the spoon bait.

2,586,187
MOTIVE FUEL CONVERTER
Clarence M. Thomas, Houston, Tex., assignor of one-fourth to Lawrence H. Stahl, Harris County, Tex.
Application March 2, 1950, Serial No. 147,163
2 Claims. (Cl. 261—119)

1. In a motive fuel converter, a mixing tank, a feed line entering the tank, a delivery line leading from the tank, and a series of baffle chambers mounted on the floor of the tank having interconnecting ports, an air intake valve in said tank having means for directing incoming air onto the

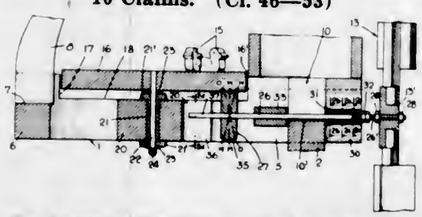


surface of the fuel in said tank, baffles extending from the top and bottom walls of said tank between said chambers and said delivery line.

2,586,188
METHOD OF PIGMENT COLORING
Alfred E. Van Wirt and George F. Jones, Glens Falls, N. Y., assignors to Imperial Paper and Color Corporation, Glens Falls, N. Y., a corporation of New York
No Drawing. Application June 24, 1947, Serial No. 756,800
5 Claims. (Cl. 117—47)

2. The method of producing a colored surface on an article which comprises applying to the article a thickened aqueous pigment paste which is negatively charged, and subsequently applying to the pigment paste on the article an aqueous dispersion of a water-dispersible resin of the group consisting of melamine-formaldehyde and urea-formaldehyde, said resin being cationic, the cationic resin having been produced by temporarily subjecting the resin in the presence of triethanolamine to a pH of at least 1.5 with acid and then buffering the charged resin to a pH of about 6, and heat-treating the resin applied to the article to cure the resin.

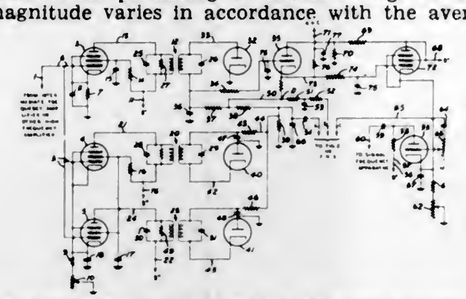
2,586,189
WINDMILL TOY
Raymond L. Walrath, Laurelton, N. Y.
Application August 4, 1949, Serial No. 108,507
10 Claims. (Cl. 46—53)



1. In a windmill device of the character set forth, a frame member, a rotary disc mounted for rotation in a horizontal plane, an air motor mounted on the frame for rotating said disc, a shaft journaled in said frame and carrying said air motor at its outer end, said shaft being journaled on the frame for rotary movements and also for pivotal movements in a vertical plane about a point intermediate its ends and a driving member carried by the end of the shaft on the opposite side of said point from the air motor and engaging the under surface of the disc at a point adjacent the periphery of the disc.

2,586,190
RADIO RECEIVER NOISE REDUCING CIRCUIT
Carlton Wasmansdorff, Berkeley, Calif.
Application July 23, 1947, Serial No. 763,070
11 Claims. (Cl. 250—20)

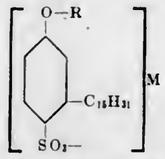
1. In a noise reducing circuit, a signal channel for demodulating frequencies within a predetermined range, a noise channel for demodulating frequencies within a range overlapping the first-named range, balancing means for combining the output of the signal channel and the noise channel in opposing relationship to reduce noise components appearing at the output of the signal channel, means coupled with the signal channel for producing a control voltage whose magnitude varies in accordance with the aver-



age intensity of the signal to be demodulated, peak limiting means in the signal channel output and responsive to the control voltage for varying the maximum permissible signal peak voltage directly in accordance with the magnitude of the control voltage and output means responsive to the signal channel output subject to the action of both the noise balancing means and the peak limiting means.

2,586,191
SALTS OF SULFONATED ETHERS OF HYDROGENATED CARDANOL AS INHIBITORS FOR MINERAL HYDROCARBON OILS
David Wasserman, New York, N. Y., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application August 21, 1948, Serial No. 45,565
5 Claims. (Cl. 252—33)

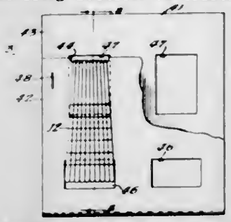
1. A novel composition selected from the group consisting of motor lubricating oils, aviation oils, diesel oils and turbine oils and comprising a mineral hydrocarbon oil whose flash point is no lower than 250° F. and a compound for improving the corrosion and oxidation characteristics of said oil in service, the ratio by weight of said oil to said compound being in the range of 1000–0.1 to 100–5, said compound having the following formula:



where R is an alkyl hydrocarbon group and M is a metal.

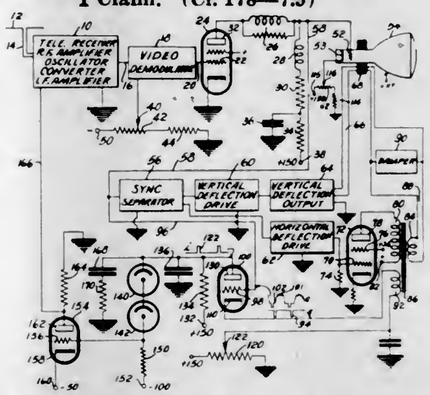
2,586,192
BOBBY PIN DISPLAY CARD
Ruth K. Weaver, Chicago, and Lewis E. Thatcher, Berwyn, Ill., assignors to Gaylord Products, Incorporated, Chicago, Ill., a corporation of Delaware
Application October 26, 1948, Serial No. 56,606
2 Claims. (Cl. 206—66)

1. In a bobby pin package, a sheet of cardboard folded intermediate its ends to provide two overlying sections of different lengths, the short section having a notch formed in its free edge and an aperture in spaced alignment with said notch, said aperture having a greater length than said notch, a group of bobby pins mounted astride said short section in abutting side-by-side relation with their loop portions disposed within said notch and the end of the legs on the outer side of the short section disposed within said aperture, and staples to secure the free edge of said short section to the long section to frictionally engage



the legs of the bobby pins disposed between the two sections, said long section being formed with an aperture in registry with said notch to receive portions of the bobby pin legs disposed adjacent thereto, one transverse edge of the aperture in the long section being disposed in opposing relation to the transverse edge of said notch to coact therewith in preventing withdrawal of pins from said short section.

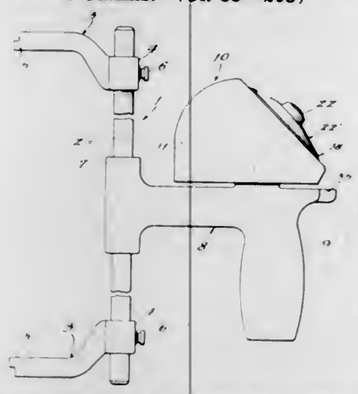
2,586,193
KEYED AUTOMATIC GAIN CONTROL SYSTEM
Karl R. Wendt, Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 19, 1948, Serial No. 45,177
1 Claim. (Cl. 178—7.5)



In a television receiving circuit for receiving and demodulating television signals which have a video component and a synchronizing component, a point of reference potential, an automatic gain control circuit for controlling the gain of the receiving circuit in accordance with a gain control potential, said gain control circuit having an output terminal connected to said receiving circuit so that a positive swing of said output terminal relative to said point of reference potential will increase the gain of said receiving circuit, a signal source having an output terminal adapted to deliver a demodulated television signal having its synchronizing component extending in a negative going direction relative to said point of reference potential, an electromagnetic beam deflection system for said receiver coupled to said signal source output terminal for

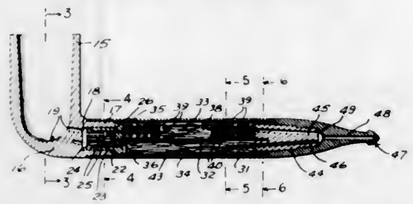
synchronization by the demodulated synchronizing component of said television signal, said deflection system including an output transformer for coupling said deflection system to a television receiver deflection yoke, a pick up winding on said output transformer, said pick up winding having at least two extremities, one of said extremities being connected to said point of reference potential while the other of said extremities is free, said pick up winding being so polarized that there appears at said free extremity at the end of each deflection cycle a pulse that is negative going relative to said point of reference potential, an electron tube having at least an anode, cathode and control electrode, a connection from said electron tube cathode to the free end of said pick up winding, a connection from said electron tube control electrode to said signal source output terminal, a power supply terminal having a positive potential with respect to said point of reference potential, a resistance connected from said positive power supply terminal to said electron tube anode, a capacitor connected from said electron tube anode to said point of reference potential, a negative power supply terminal having a negative potential with respect to said point of reference potential, a plurality of gaseous discharge tubes connected from said electron tube anode to said negative power supply terminal through a dropping resistor, a direct current amplifier having an input terminal and an output terminal, said amplifier output terminal delivering a signal which is 180 degrees out of phase with a signal applied to said amplifier input terminal, a connection from said dropping resistor to said direct current amplifier input terminal, a connection from said direct current amplifier output terminal to said receiving circuit, and biasing means connected between the cathode and control electrode of said electron tube for rendering said electron tube non-conducting except during the negative going pulses appearing at the free end of said pick up winding.

2,586,194
MEASURING HEAD FOR AUTOMOTIVE WHEEL ALIGNMENT GAUGES
Henry Wochner, Rock Island, Ill., assignor to Bear Manufacturing Company, Rock Island, Ill., a corporation of Delaware
Application October 25, 1946, Serial No. 705,651
2 Claims. (Cl. 33—203)



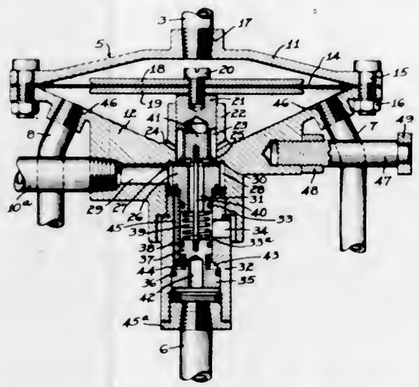
2. In combination with an automobile wheel alignment gauge of the type having a handle, a bar carried by said handle, and wheel arms carried by said bar for contacting portions of an automobile wheel, of a spirit level carried by said handle with its axis at substantially right angles to the plane of said bar and said wheel arms, a measuring head carried by said handle comprising a housing having an opening, a shaft rotatably mounted in said housing, a dial carried upon said shaft and comprising a closure for said opening, calibrated indicia carried upon said dial, a spirit level mounted in said housing and tiltable in a plane parallel to the plane of the bar, and means connecting said shaft and said tiltably mounted spirit level whereby said spirit level is tilted by rotation of said dial.

2,586,195
SMOKING PIPE
Arthur R. Wood, New York, N. Y.
Application February 21, 1948, Serial No. 10,079
6 Claims. (Cl. 131—202)



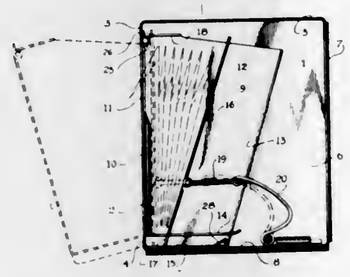
5. A stem for attachment to the bowl and mouthpiece of a smoking pipe, comprising a peripheral wall and a horizontal wall therein forming separate upper and lower passages along said stem, a transverse wall partially closing the forward end of said upper and lower passages, an annular connecting flange extending axially from said transverse wall for attachment to the pipe bowl and forming with said transverse wall a trap chamber, a smoke passage through said transverse wall from the upper part of said trap chamber to said upper passage, and a drain passage through said transverse wall from the lower part of said trap chamber to said lower passage.

2,586,196
RELAY EMERGENCY AIR BRAKE VALVE
Theodore Hubbard Affleck, North Hollywood, Calif., assignor to Homer T. Seale, Inc., Los Angeles, Calif., a corporation of California
Application August 16, 1947, Serial No. 769,036
10 Claims. (Cl. 303—26)



1. A relay emergency valve for controlling the application of pressure from a source of pressure to brake chambers and the release of pressure from brake chambers in response to the pressure variations in a service line and effective for establishing application of pressure from said source to said brake chambers in response to loss of pressure from an emergency line, which valve comprises a body providing a passage for connection between said source of pressure and brake chambers, a valve member movable to open and close said passage, said valve member having an exhaust opening therethrough, a relay diaphragm responsive to the pressure variations in the service line, a follower movable into contact with said valve member for first closing said exhaust opening and then moving said valve member to so open and close said passage, and a piston connected to a block also movable to close said exhaust opening, said piston being normally moved by pressure from an emergency line to move said block from said exhaust opening but movable on a loss of said pressure for closing said exhaust opening and moving said valve member to open said passage.

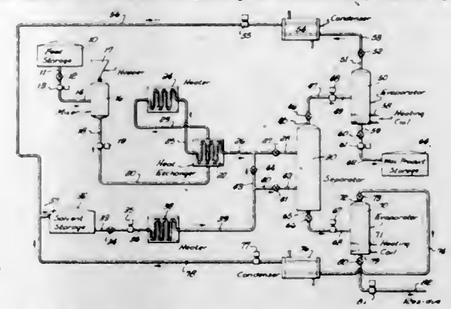
2,586,197
HOLDER FOR DISPENSING PAPER BAGS
Ovila J. Aubertin, Matachewan, Ontario, Canada, assignor of one-half to J. Antoine Sirard, Matachewan, Ontario, Canada
Application July 7, 1950, Serial No. 172,571
5 Claims. (Cl. 312—62)



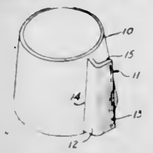
2. A bag holder comprising a rectangular jacket having an open front with a depending flange across the top and an upstanding flange across the bottom; inclined lugs rising from the bottom of said jacket; a bag-carrying drawer slidable through the open front of said jacket having a bag-exposing window in the front with a rearwardly rolled upstanding rearwardly offset lip along the top that normally engages the rear of the jacket's top front depending flange and sides on said drawer with inturned flanges at the back that ride up and normally seat behind said inclined lugs.

2,586,198
REFINING OF WAX
Peter Stanley Backlund, Long Beach, and Paul L. Polizzotto, Inglewood, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application January 5, 1948, Serial No. 596
10 Claims. (Cl. 196—21)

1. A process of decolorizing wax containing asphaltic and resinous color bodies which comprises contacting said wax with magnesia at a temperature above the melting point of the wax, extracting the resulting mixture of wax and magnesia with a solvent comprising a compound selected from the class consisting of the saturated aliphatic alcohols, ketones and ethers containing less than 6 carbon atoms per molecule, and separating a solvent solution of decolorized wax from a mixture of magnesia and said color bodies.

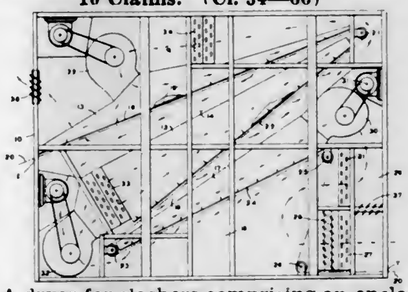


2,586,199
HANDLE FOR VESSELS
Anton R. Backus, Santa Barbara, Calif.
Application February 10, 1950, Serial No. 143,429
7 Claims. (Cl. 65—13)



1. In combination with a hollow receptacle having a continuous outer wall, a handle for said receptacle comprising an angle member having a pair of angularly related flanges having vertical dimensions greater than the horizontal dimensions, one edge of one flange being secured directly to said outer wall of the receptacle and with the angle apex of the angle member arranged in a generally vertically extended position, said one flange extending outwardly substantially perpendicularly to said outer wall, the other flange extending at an angle to the first flange and having an edge connected thereto along the apex of the angle, said other flange being spaced from the receptacle wall a distance sufficient to permit insertion of the finger tips of the user between the flange and the wall, the outer edge of said other flange being free of said outer wall.

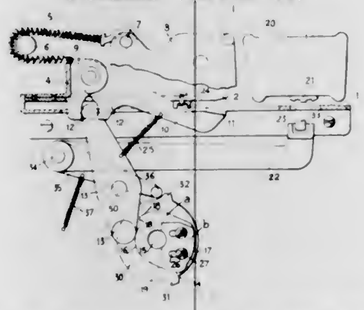
2,586,200
HOT-AIR DRYER FOR SLASHERS
Gaines L. Ball, West Point, Ga., assignor to Batson-Cook Company, West Point, Ga., a corporation of Georgia
Application May 25, 1950, Serial No. 164,277
10 Claims. (Cl. 34—66)



1. A dryer for slashers comprising an enclosure with means defining an upper drying chamber,

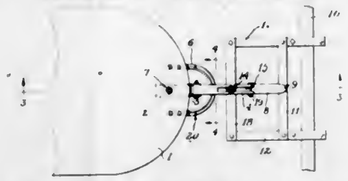
an intermediate drying chamber and a lower drying chamber; an upper air chamber adjoining said upper drying chamber and communicating therewith; an intermediate air chamber adjoining said intermediate drying chamber and communicating therewith; a lower air chamber adjoining said lower drying chamber and communicating therewith; means for passing material to be dried through said upper drying chamber, then through said intermediate drying chamber, and then through said lower drying chamber; means for controlling the admission of a gaseous drying medium into said lower drying chamber; a passageway for gaseous drying medium having an intake side communicating with said lower drying chamber and an exhaust side communicating with said lower air chamber; a passageway for gaseous drying medium having an intake side communicating with both said lower drying chamber and said upper drying chamber, and an exhaust side communicating with said intermediate air chamber; a passageway for gaseous drying medium having an intake side communicating with said intermediate drying chamber and an exhaust side communicating with said upper air chamber; heating means positioned in the path of said gaseous drying medium; and means for controlling the exhausting of said drying medium from said dryer.

2,586,201
CERTIFYING DEVICE FOR CASH REGISTERS
Biagio Beria, Turin, Italy
Application February 25, 1948, Serial No. 10,667
In Italy January 14, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires January 14, 1963
3 Claims. (Cl. 101—93)



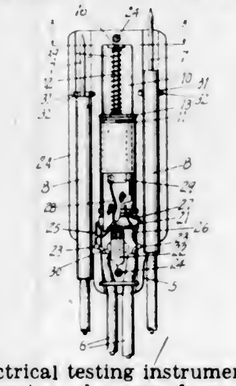
1. In an apparatus of the character described having a frame, a shaft, means for driving said shaft, a first and a second cam fixed on said shaft, a table fixed to the frame of the apparatus, a carriage slidable on said table, means secured to said table for guiding the slidable carriage in a rectilinear path, a stop fixed to said table for limiting the rearward movement of the slidable carriage, a spring having one end fixed to a projection on the slidable carriage and its other end secured to the frame so as to maintain the slidable carriage in its rearward position, a stop secured to the slidable carriage, said second mentioned stop serving for limiting the introduction of a sheet to the desired extent, a lever pivoted to a pivot secured to the frame, a roller mounted on each end of said lever, means for ensuring a constant contact between one of said rollers and the first cam secured to the driving shaft, a second lever pivoted to the slidable carriage, said second lever having a gripping tongue at one end and having a tooth contacting with said other roller mounted on the first mentioned lever, elastic means for ensuring a constant contact between said tooth and the roller contacting the same, the gripping tongue contacting in its raised position with one end of the slidable carriage, a printing hammer, a third lever pivoted to the frame and supporting at one end said printing hammer, a fourth lever secured at one end to said third lever and having fixed to the other end a third roller, said third roller contacting with the second cam fixed to the driving shaft, elastic means for constantly holding said third roller in contact with said second cam, the second cam being shaped so as to raise the printing hammer twice on each turn of the driving shaft, the first cam being shaped so as to displace the slidable carriage during one turn of the driving shaft so that said slidable carriage takes two positions of rest during one turn of the driving shaft, said positions of rest corresponding to the raised position of the printing hammer.

2,586,202
TRAILER HITCH
Charles Russell Bingham, Davenport, Iowa
Application April 20, 1950, Serial No. 157,112
11 Claims. (Cl. 280—33.44)



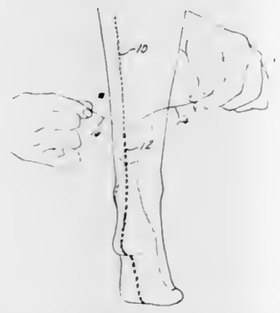
1. A trailer hitch including a reach bar having its rear end pivotally united to the floor or bed of the trailer and its front end united by a ball and socket joint to the tractor close to and at the middle of the rear axle of the tractor, a channel bar united to the bed of the trailer, a guide bar having its rear end pivoted by a hinge joint to the channel bar and its front end having a longitudinal slot formed therein to embrace a vertical pivot bolt mounted in a crossbar carried by the tractor at the rear end thereof.

2,586,203
VOLTAGE INDICATING INSTRUMENT AND CASE THEREFOR
Francis B. Boyle, Kalamazoo, Mich., assignor to The Wigginton Company, Kalamazoo, Mich., a corporation of Michigan
Application September 28, 1949, Serial No. 118,209
8 Claims. (Cl. 171—95)



1. An electrical testing instrument comprising, a generally rectangular case of greater width than thickness and greater length than width, said case being formed of two parts joined along a longitudinal parting plane extending the width of the case, the meeting faces of said parts having first mating recesses formed therein and a pair of second mating recesses extending the full length of the case longitudinally alongside of said first recesses, the corners of the lower end of said case being cut away leaving a projection between the lower ends of said second recesses, a coil received in said first recesses, an armature telescopically slidable in said coil parallel to said second recesses and having an indicating finger visible through one of said parts, test leads entering said case through said projection and electrically connected to the ends of said coil, test prods secured to the outer ends of said leads and having insulating handles, said handles being axially slidably receivable and laterally retainable in said second recesses, and stops projecting into said second recesses near the outer ends thereof and adapted to engage the ends of said handles to resist the passage of said handles through said second recesses, said prods and handles being of such a length that the inner ends of said handles project from said case alongside of said projection when the ends of the prods are located within and adjacent the outer ends of said second recesses and the outer ends of the handles are abutted against said stops.

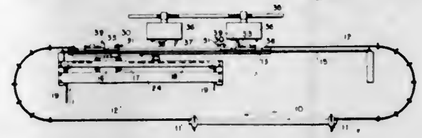
2,586,204
STOCKING
Edward Camillo, Philadelphia, Pa.
Application August 18, 1950, Serial No. 180,235
3 Claims. (Cl. 66—178)



1. As an article of manufacture, a stocking and a plurality of pull-stitch decorations of identical configuration superimposed on each other and on the same portion of the stocking.

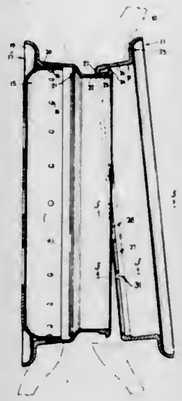
2,586,205
MAGNETICALLY OPERATED THREAD FINGER DRIVE
Arthur J. Cobert, Chattanooga, Tenn., assignor of fifty per cent to Bryan Full Fashioned Mills, Incorporated, Chattanooga, Tenn., a corporation of Tennessee
Application January 20, 1950, Serial No. 139,740
10 Claims. (Cl. 66—126)

1. In apparatus of the class described, a movably mounted thread guide carrier, slide means connected to said carrier to drive the same, a movably mounted carriage, means for imparting movement to said carriage, electromagnetic means carried by said carriage, driving means on said slide means, means for exciting said electromagnetic means to cause said electromagnetic means to engage said driving means to drive said slide means, said electromagnetic means being slidable along said slide means to positive driving engagement with said driving



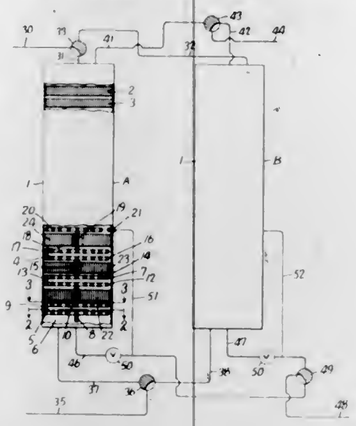
means, stop means on said slide means, and means adjacent said slide means for engagement with said stop means to control the movement of said thread guide carrier driven by said slide means.

2,586,206
TRUCK RIM DESIGN
William K. Collette, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 6, 1947, Serial No. 720,337
6 Claims. (Cl. 152—411)



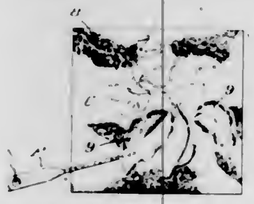
5. In a tire rim, the combination of two continuous annular members, one said member comprising a tire retaining flange, a radially inwardly sloped tire bead seat formed integral therewith, said bead seat merging into a radially and axially inwardly extending portion which in turn merges into a relatively thin axially extending rim base portion, the lateral margin of said rim base portion opposite the first mentioned flange terminating in a thickened portion, said thickened portion having a circumferentially extending radially outwardly projecting marginal flange, said outwardly extending flange having an external diameter smaller than the external diameter of said bead seat at any point thereof; the other said member comprising a tire retaining flange, a slope bead seat formed integral therewith, said last named bead seat portion terminating in a thickened portion, said latter thickened portion at its marginal edge opposite the latter mentioned flange having a circumferentially extending radially inwardly projecting flange, the inside diameter of said inwardly projecting flange being less than the outside diameter of said outwardly projecting flange, the inside diameter of said inwardly projecting flange being no greater than the radially outside diameter of the thickened portion of the first mentioned member adjacent its said marginal flange

2,586,207
ACCUMULATOR
Samuel Cornette Collins, Watertown, Mass., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 20, 1948, Serial No. 3,218
3 Claims. (Cl. 62—122)



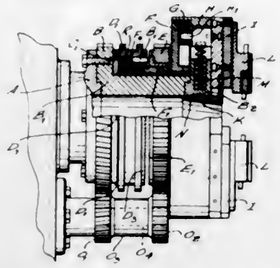
1. In combination, in an accumulator, a casing, a metallic packing of high heat capacity therein, a supply connection at one end of said casing and a discharge connection at the other end thereof for a warm fluid to be treated, a supply connection at the last mentioned end of said casing and a discharge at its first mentioned end for a cold fluid, and a coil in said casing having portions at the end thereof with which said supply connection for a cold fluid communicates and also in spaced relation to said end, said coil having means at said last mentioned end of said casing for the admission of a fraction of said first mentioned fluid after it has traversed said casing, and said coil having mutually spaced discharge connections disposed at points differently spaced longitudinally from the end of said casing at which admission of the fraction of said first mentioned fluid occurs.

2,586,208
METHOD OF MAKING STITCHLESS EMBOSSED FABRICS
Gaetano Corallo, Los Angeles, Calif.
Application December 6, 1949, Serial No. 131,393
5 Claims. (Cl. 154—106)



1. The method of making a stitchless embossed fabric which includes applying an adhesive to the back of a face sheet so as to form a pocket when a backing sheet is adhered to said face sheet, adhering a backing sheet to said face sheet by means of said adhesive to form such a closed pocket, then injecting under air pressure through one of the sheets into the pocket a filler of soft material.

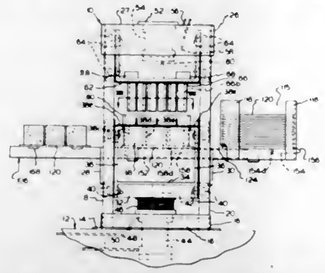
2,586,209
ROTATING CUTTING DEVICE
Giacomo Coretti, Dalmine, Italy, assignor to Dalmine S. A., Dalmine, Italy
Application June 18, 1947, Serial No. 755,290
In Italy July 30, 1946
6 Claims. (Cl. 164—60)



1. In a cutting tool, in combination, a driven shaft; a driving wheel unit rigidly secured to the said shaft; a carrier member rigidly secured to said shaft; slides radially movable on said carrier member; cutting means supported by said slides for engagement and disengagement of the work upon said radial movement of said slides; a cam disc unit rotatable on said shaft intermediately of said driving wheel and carrier member; a plurality of eccentrically directed cam tracks associated with said cam disc unit and arranged circumferentially; engagement means formed on said slides and being movable in said cam tracks so as to impart radial motion to said cutting means; recesses provided in said driving wheel unit; a toothed wheel loosely rotatable on said shaft; differential gear means adapted to drive said toothed wheel at a rotative speed different from the rotative speed of said shaft; a connecting member; axially movable on, and rotatable with said cam disc unit, and disposed intermediately of said driving wheel unit and said toothed wheel; projections provided on one axial end of said connecting member for being engaged in said recesses; disengageable means for coupling said connecting member at its other axial end with said toothed wheel and to transmit differential motion of said toothed wheel to said cam disc unit; and means for imparting axial movement to said connecting member so as to engage and disengage the said projections and recesses and so as to bring said coupling means into engagement and disengagement whereby a movement is imposed on said cam disc unit relatively to said carrier member and whereby the said cutters are moved in a radial direction.

2,586,210
PALLET FEEDER MECHANISM FOR CONCRETE BLOCK MACHINES
Howard D. Corwin, Jackson, Mich., assignor to The Lith-I-Bar Company, Holland, Mich., a corporation of Michigan
Original application September 16, 1948, Serial No. 49,618. Divided and this application October 5, 1950, Serial No. 188,514
2 Claims. (Cl. 25—1)

1. In a machine for molding building blocks with the use of a moldbox having an open bottom adapted to be closed by a separate block supporting workboard, a worktable for supporting said workboard, said worktable including a plurality of composite longitudinal rail structures upon which the board is moved to the moldbox bottom closing position, each rail structure being formed of a pair of parallel rails assembled in juxtaposition to provide an interior channel open at the top and bottom and having recessed interior side walls, board propelling operative members confined within each said recessed side wall and adapted for longitudinal

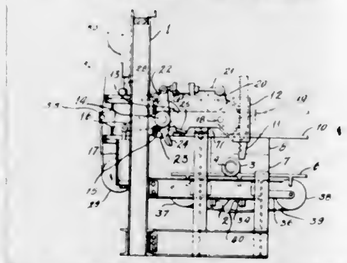


movement therein while protected from the effect of the molding material tending to fall through the top opening in the rail structure, and spacer means between said operative members, said spacer means being located in the open channel portion.

2,586,211
RELEASE AGENT
Chester C. Currie, Midland, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application August 23, 1950, Serial No. 181,110
4 Claims. (Cl. 18—47)

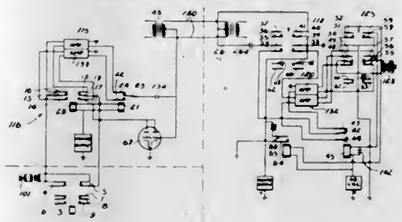
1. A composition of matter composed of from 10 to 35 per cent by weight of a liquid methyl polysiloxane, from 2 to 5 per cent by weight of an emulsifying agent, from 10 to 50 per cent by weight of a polyethylene glycol, from 5 to 30 per cent by weight of an alkali metal salt of a sulfonated fatty alcohol, from 10 to 25 per cent by weight of a powdered siliceous material, and from 15 to 23 per cent by weight water.

2,586,212
APPARATUS FOR MAKING STEEL CASTINGS
William Millen Duncan, Alton, Ill.
Application December 15, 1947, Serial No. 791,787
6 Claims. (Cl. 22—92)



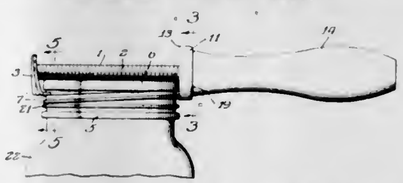
1. In a machine for making massive ferrous castings, the combination of a support, a drag-supporting platen mounted at two points for rotation on said support, an arm pivotally mounted on said support, a gear sector journaled on the free end of said arm, a rack meshing with said gear sector, means for guiding said rack for movement substantially perpendicular to said arm, a cope-carrying platen secured to said rack, means for rotating said gear sector through a definite angle and means correlated with the gear-sector-rotating means for rotating the arm about its pivot to swing the cope-carrying platen clear of the orbit of the drag-supporting platen when that platen is rotated.

2,586,213
SELECTIVE TELEPHONIC MUSIC DISTRIBUTING SYSTEM AND APPARATUS
George Porter Ellis, Vancouver, British Columbia, Canada
Application March 5, 1949, Serial No. 79,886
12 Claims. (Cl. 179—6.3)



1. In a selective telephonic music distributing system, a central station and at least one remote station, a control unit in the remote station, a two conductor telephone line extending from the control unit to the central station, a line-to-line transformer at each end of the telephone line, means for normally maintaining a D. C. voltage between the telephone line and ground, means at the remote station for temporarily grounding the telephone line thereby causing current flow due to said D. C. voltage, signal means at the central station operative by said current flow, a music pick-up at the central station connected to its transformer, a loud-speaker at the remote station connected to its transformer, a pair of listen and talk amplifiers in the central station and in the control unit, means grounding each amplifier, a plurality of coin-operated call boxes at the remote station connected to the control unit, a microphone-speaker in each box and in the central station, means in each box operated by a coin inserted in the latter for connecting its microphone-speaker to the listen amplifier of the control unit, means connecting said amplifier to the unit transformer, a station key at the central station adapted to be operated to connect its microphone-speaker to the listen amplifier of said station and to connect the latter to the telephone line, and means in the control unit operated from the central station for switching the call box microphone-speaker over from the listen amplifier to the talk amplifier and to connect the latter to the unit transformer and disconnect the listen amplifier from said line.

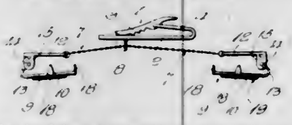
2,586,214
SCREW OPERATED JAR CAP WRENCH
Joseph W. Fay, Villa Park, Ill., assignor of one-half to Irwin J. Mendels, Evanston, Ill.
Application September 23, 1946, Serial No. 698,641
6 Claims. (Cl. 81—3.42)



1. In a loosening and tightening device for screw caps, in combination, a threaded stem, a

cap gripping jaw fixed on the outer end of said stem, a round spinner having a sharp peripheral knife edge and internal threads screwed on said stem, a handle fixedly secured to said spinner and rotatable about the axis of said stem to screw the spinner along the stem to adjust the space between said jaw and said spinner for the reception of a cap therebetween, said spinner in the application of the device to a cap being adapted to be screwed along the stem by rotation of said handle to spin a groove into the outer periphery of the screw-threaded flange of the cap to assure firm gripping engagement with the cap.

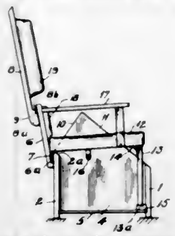
2,586,215
NECKTIE HOLDER
Joseph B. Federico, New Baltimore, Mich., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y., a corporation of New York
Application October 17, 1947, Serial No. 780,341
1 Claim. (Cl. 24—49)



A necktie holder including an elongated clasp attachable to the front marginal edge of a shirt to extend transversely thereof and having a front bar and a rear clamping member, the front bar of the clasp having a ring thereon extending outwardly from its front face and disposed transversely thereof, a flexible chain member of a length less than the width of the widest portion of the outer fold of the necktie, said chain member extending through and being freely slidable in the ring on the front bar of the shirt clasp, a pair of clips, each of said clips comprising elongated front and back members connected together at opposing end portions thereof, the back member of each of said clips at its outer free end portion being permanently connected to one end of the flexible chain member, said clips being attachable to opposite side marginal portions of the outer depending fold of the necktie with the chain member and a part of the back member of each of the clips disposed behind the outer fold of the necktie, the flexible chain member when the necktie holder is in use providing a flexible connection between the clips attached to either marginal side portion of the depending fold of the necktie and the clasp attached to the shirt front, and the flexible chain member being of a length to maintain the folds of the necktie in position while allowing for limited movement transversely of the shirt front as well as longitudinal movement of the same relative to the shirt front.

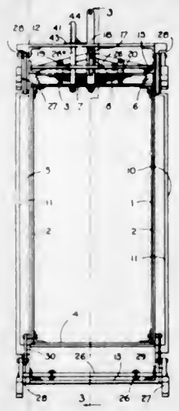
2,586,216
WEATHERPROOF FOLDING CHAIR
Arthur C. Foss, Trenton, N. J.
Application September 22, 1950, Serial No. 186,195
8 Claims. (Cl. 155—139)

1. A box-like weatherproof chair housing including front and back walls, side walls, a closure comprising a cover hinged to said back wall and formed of two sections hinged together along adjacent horizontally disposed edges, means on said side walls for maintaining said sections at an angle to each other when the cover is closed, said angle being such that the sections slope downwardly from their joined edges, and means on each of said sections for abutting the outer face of the supporting member to which it is hinged whereby the said sections are maintained



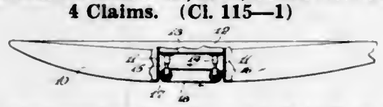
in parallel relation when the cover is raised to or beyond a vertical plane.

2,586,217
MINE CAGE SAFETY DEVICE
George E. Gagnon, Matachewan, Ontario, Canada
Application May 20, 1949, Serial No. 94,463
4 Claims. (Cl. 187—87)



1. In a mine cage safety device for use in a shaft having the usual pair of vertical timbers or guide rails, a rectangular outer frame comprising upper and lower horizontal cross beams, a pair of spaced vertical guide rail channels connected thereto, transversely disposed horizontal angle bars at both top and bottom of each of said channels projecting substantially beyond the sides thereof, braking dogs supported by said angle bars, a cage section of less height than said outer frame contained and slidable vertically in said frame, a locking device between the cage and frame consisting of a ratchet lever pivotally connected at the top of the cage and rising through a slot in said frame and a leaf spring pressing the teeth of said ratchet into engagement with said frame at the edge of said slot, and connecting means between said cage and said braking dogs responsive to the relative vertical movement of said cage and frame.

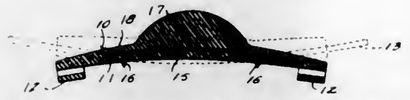
2,586,218
TRACK PONTOON
Antoine Gazda, Providence, R. I.
Application November 22, 1944, Serial No. 564,637
4 Claims. (Cl. 115—1)



1. A step construction for a ship's hull or pontoon having a downwardly opening housing

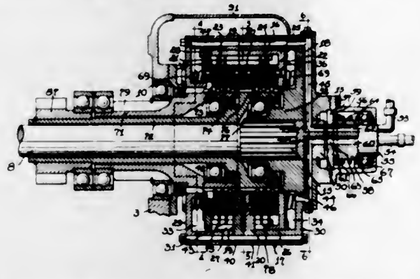
therein intermediately of the ends thereof comprising a pair of spaced journal members arranged in said housing, means for selectively projecting either or both of said journal members from said housing, a roller journaled at the outer end of each said journal member, and an endless track member arranged over and around said rollers.

2,586,219
HERNIA STAY
Theodore Geffas, Ogden, Utah
Application June 2, 1950, Serial No. 165,769
2 Claims. (Cl. 128—117)



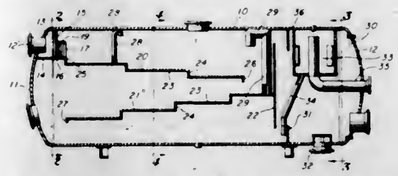
1. A stay comprising an elongated longitudinally bowed flexible body normally concaved outwardly, a bowed spring embedded in said body, a pair of guide loops projecting from the outer concave side of said body through which a supporting strap is adapted to engage, and positioning retaining pins fixed to said spring and projecting from the concave side of said body for engagement into the strap, tightening of said strap reversing the concavity of said body to thereby hold the latter in adjusted position in conformity to the human body.

2,586,220
FLUID OPERATED CLUTCH
Chris Gerst, Detroit, Mich., assignor to The Transmission & Gear Company, Dearborn, Mich., a corporation of Michigan
Application March 27, 1948, Serial No. 17,491
8 Claims. (Cl. 192—87)



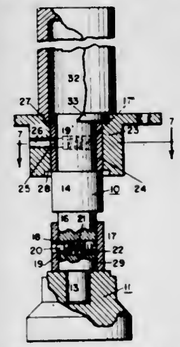
1. In a dual clutch mechanism, a backing plate structure including a housing and backing plate means supported in the middle portion of said housing, a pressure plate structure including axially spaced, pressure plate means at the opposite ends of a housing non-rotatably and axially shiftably supported in the housing of said backing plate structure, said backing plate means extending into the housing of said pressure plate structure between its spaced pressure plate means, two indivdual friction disk assemblies arranged at opposite sides of said backing plate means and between the pressure plate means, cylinder means formed by the end portions of the housing of the backing plate structure, and piston means for said cylinder means formed by the end portions of the housing of said pressure plate structure, said cylinder and piston means effecting selective shifting of said pressure plate structure in opposite directions for actuation of either one of said friction disk assemblies when pressure fluid is selectively fed into said cylinders.

2,586,221
HORIZONTAL SEPARATOR
Clarence O. Glasgow, Tulsa, Okla., assignor to National Tank Company, Tulsa, Okla., a corporation of Nevada
Application January 12, 1950, Serial No. 138,242
7 Claims. (Cl. 183—2.7)



6. A horizontal oil and gas separator including, an elongate horizontal tank having an influent inlet at its front end and oil and gas outlets at its rear end, a first cascading tray across the tank extending longitudinally downwardly therein in the upper portion thereof rearwardly from the inlet end of the tank and having a lower rear end with a transverse edge, a second cascading tray across the tank extending longitudinally downwardly towards the front end of the tank having its upper rear end rearward of the rear end of the first tray and underlying the first tray, the second tray being disposed to receive oil from the first tray and to discharge it at the front end of the tank, means at the bottom of the tank below the second tray for receiving oil from the second tray and maintaining an oil stratum below the second tray, and an upright transverse wall at the rear end of the second tray terminating below the top of the tank and above the rear end of the first tray whereby gas may pass to the rear of the tank and to the gas outlet and having its lower end below the top of the stratum maintaining means above the bottom of the tank and forwardly of said means, the oil outlet being below the overflow of the stratum maintaining means.

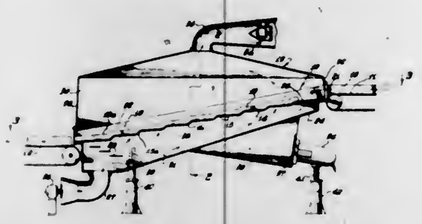
2,586,222
BUSHING REPLACER
Bert C. Hamilton, La Grande, Oreg., assignor to Hamilton Tool Co. Inc., La Grande, Oreg., a corporation of Oregon
Application January 17, 1950, Serial No. 139,043
2 Claims. (Cl. 29—283)



2. A bushing removing and replacing device of the character described, for use with bearings and bushings having corresponding oil holes, comprising a base, an integral post member removably mountable on said base in vertical position, the top and bottom portions of said post constituting

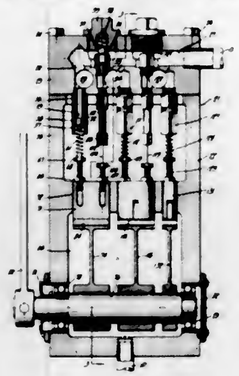
main cylindrical sections having a diameter approximately equal to the internal diameter of the bushings, a cylindrical shoulder on said post separating said main sections, the diameter of said shoulder being approximately equal to the external diameter of the bushings, a pair of oil hole guides in said main sections respectively, positioned in vertical alignment with each other, said guides located a distance above the top of said base and the top of said shoulder respectively equal to the spacing of the bushing oil hole from the end of the bushing, each of said guides consisting of a stud slidably mounted in a channel extending diametrically through said post, the diameter of said channel being reduced near one end to produce an internal shoulder, the diameter of said reduced end corresponding to the diameter of a bushing oil hole, said stud having a rounded knob-like outer portion adapted to extend through said reduced end of said channel and to extend slightly out on the post surface when in maximum outward position, a threaded plug in the opposite end of said channel, a spring in said channel under slight compression between said plug and said stud permitting said stud to be easily pushed inwardly against the force of said spring, whereby when a replacement bushing is slid onto said bottom main section of said post and said post set up on said base, and a bearing with an old bushing is slid onto said top main section, the turning of said replacement bushing and of said bearing and old bushing on said post until the bushing oil holes register with said guides respectively will cause said replacement bushing oil hole to be in exact vertical alignment with said bearing oil hole, and means for forcibly moving said bearing down from said old bushing and over said new bushing.

2,586,223
PRODUCE UNWRAPPING DEVICE
Wayne A. S. Harmon, Sunnyvale, Calif.
Application June 28, 1948, Serial No. 35,563
7 Claims. (Cl. 209—2)



1. Apparatus for removing wrappers from produce or the like, comprising a horizontally extending support along which individually wrapped pieces of the produce are advanced to loosen the wrappers, said support having a downwardly stepped surface upon which the produce advances, there being unobstructed inlet and outlet paths at the opposite ends of said support along which the produce may move generally horizontally from a supply conveyor onto the support and generally horizontally from the support onto a discharge conveyor, guides carried by said surface of the support and imparting to the produce lateral rolling movement as it rolls forwardly on the support, means for displacing air to flow upwardly through the support, means associated with the support for directing divided high velocity streams of the air against the produce to blow off the wrappers, and means for vibrating said support.

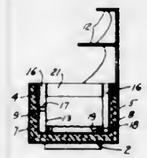
2,586,224
FUEL BURNER SYSTEM
Robert L. Harris and Marcus Lothrop, Berkeley, Calif., assignors to Yuba Manufacturing Company, San Francisco, Calif., a corporation of California
Application May 17, 1948, Serial No. 27,374
14 Claims. (Cl. 158—36.4)



1. A fuel burning system comprising a plurality of external combustion fuel burner nozzles, a variable speed fuel pump having a high pressure side and a low pressure side, a fuel conduit connecting the high pressure side of said fuel pump and said nozzles, a variable device for releasing fuel from said conduit to the low pressure side of said pump, a valve in said conduit for controlling fuel flow to one of said nozzles, an internal combustion engine for driving said pump, a movable controller for varying the speed of said engine and hence of said fuel pump, and a connection to said controller for varying said releasing device and for operating said valve in accordance with the position of said controller.

3. A fuel burning system comprising a first nozzle, a second nozzle, a fuel pump, a main fuel conduit connecting said fuel pump and said first nozzle, a branch fuel conduit connecting said main fuel conduit and said second nozzle, a first device openable in response to a predetermined high fuel pressure in said main fuel conduit for releasing fuel from said main fuel conduit, a second device openable in response to a predetermined low fuel pressure in said branch fuel conduit for releasing fuel from said branch fuel conduit, and a valve for blocking and unblocking communication from said main fuel conduit to said branch fuel conduit.

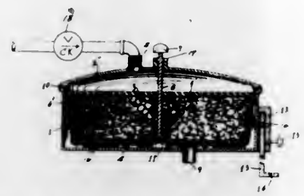
2,586,225
COLD WALL REFRIGERATOR WITH OPEN-MESH PRODUCE CONTAINERS
Carlyle E. Hartman, San Jose, Calif.
Application May 21, 1948, Serial No. 28,301
9 Claims. (Cl. 62—89.5)



1. In refrigerating apparatus, an open-top refrigerator case having cooling means mounted within the walls thereof, and an open-mesh produce container disposed within the case, the container having side walls spaced from the side

walls of the case so as to form unobstructed passages therewith adapted to set up circulation of chilled air through the container, and the upper edge portion of the container being made solid to encourage such circulation.

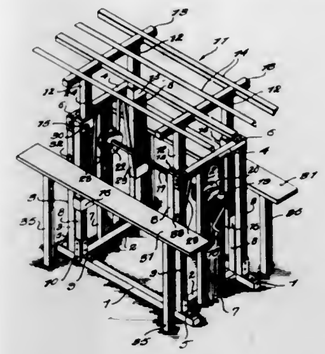
2,586,226
WATER FILTER
Arthur P. Heldenbrand, Oklahoma City, Okla.
Application October 7, 1948, Serial No. 53,270
1 Claim. (Cl. 210—131)



A filter of the class described comprising a body portion having a discharge opening, a cup-shaped perforated cartridge case mounted within the body portion, an annular outwardly disposed flange formed at the upper end thereof, engaging the wall of the body portion holding the cartridge case in spaced relation with the body portion providing an annular passage around the cartridge case, a filtering element contained in the cartridge case, portions of the filtering element resting on the flange, a filtering plate providing a cover for the cartridge case clamping the filtering element against the flange, securing the filtering element within the cartridge case, said filtering plate being perforated, whereby water passes through the filtering plate to the cartridge case, a bulged cover having an outlet pipe whereby water enters the body portion, closing the body portion and holding the filtering plate in position, said bulged cover providing a water receiving compartment with the filter plate, a connecting rod extending exteriorly through the cartridge case, filtering element, filter plate and cover, securing them together, and a nut on the lower end of the rod resting on the bottom of the body portion on which the cartridge case is supported in spaced relation with the body portion, said body portion having an inlet opening in the cover thereof.

2,586,227
SCAFFOLD FOR HANDLING SHEET MATERIAL
Lee Roy Henderson, Sunnyvale, Calif.
Application July 9, 1946, Serial No. 682,266
1 Claim. (Cl. 304—29)

In a scaffold for use in applying wallboard panels to ceilings, a frame structure including side base beams connected together parallel, frame posts upstanding from said beams in pairs with cross beams connecting the upper ends of the posts in pairs, guide posts upstanding from said base beams in pairs intermediate the pairs of frame posts and alongside the same and braced by said frame posts against outward swinging, a lift comprising pairs of uprights interposed between the guide posts of the pairs and between said cross beams and vertically slidable alongside said guide posts, a skeleton platform carried on said uprights with cross bars normally resting on top of said guide posts and longitudinal bars normally resting on said cross beams, and hoisting means for said lift mounted in said frame and including pulleys on said cross beams and cables trained upwardly over said pulleys with ends connected to the tops of said guide posts, said



cables being trained under the lower ends of said uprights and extending upwardly between said uprights and guide posts, said uprights being provided with longitudinal cable accommodating grooves therein.

2,586,228
PYROTECHNICAL DEVICE
Emanuel B. Hershberg, Stoughton, Mass., and Everett R. Coburn, Bennington, Vt., assignors to the United States of America as represented by the Secretary of War
Application May 22, 1944, Serial No. 536,798
7 Claims. (Cl. 102—90)

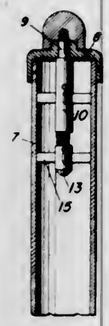


3. An incendiary device comprising a cellulose nitrate case containing an incendiary fluid, a tubular case having a relatively rigid tubular portion and a relatively deformable tubular portion attached to said cellulose nitrate case, a silent igniter comprising a spring-pressed plunger mounted on a helical spring in said rigid portion, a frangible capsule containing a corrosive liquid in said deformable portion, a corrodable tie means adjacent said frangible capsule and extending into each of said portions for holding said plunger in a compressible condition and a capsule having a fluid pyrophoric composition therein adapted to be ignited by said plunger subsequent to the deformable tubular portion being deformed sufficiently to crush said frangible capsule and discharge said corrosive fluid on said tie means.

2,586,229
REPLACEABLE FIRING PIN FOR MORTARS
Clarence N. Hickman, Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War
Application November 29, 1944, Serial No. 565,644
3 Claims. (Cl. 89—1)

1. A replaceable, adjustable firing pin for a mortar having a firing pin secured to its breech end, said replaceable firing pin including a tubular member and a second member having a pointed head and being adjustably and movably

secured to said tubular member and metallic radially extending means projecting from each of



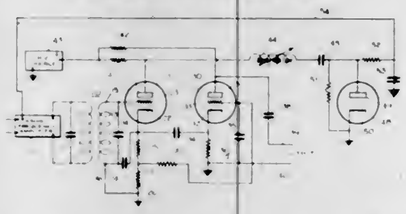
said members for centering said members within the mortar barrel.

2,586,230

INVERTER AMPLIFIER AND AUTOMATIC LIMITER

Donald L. Hings, Ottawa, Ontario, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware

Application August 6, 1945, Serial No. 609,265
In Canada July 20, 1945
2 Claims. (Cl. 250—20)



1. A radio circuit comprising, in combination, an amplifier tube including at least a plate, a cathode and a grid, first circuit means for developing a direct current voltage having a positive potential point above ground, second circuit means adapted to apply to said first circuit means a carrier wave having signal intelligence, third circuit means for varying the amount of the positive potential on said point above ground in accordance with the strength of the carrier wave, means including filter means for connecting the grid of the amplifier tube to said point to establish said grid at a potential in accordance with the average of said variable positive potential and substantially eliminating said signal intelligence, fourth circuit means responsive to the signal intelligence of the carrier wave for applying an exciting voltage from said first circuit means to the cathode of the amplifier tube and substantially excluding direct current, and an output circuit connected to the plate of the am plifier tube.

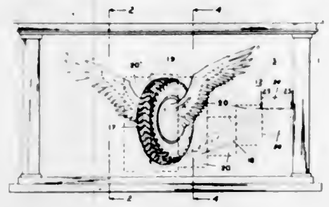
2,586,231

ILLUMINATED DISPLAY DEVICE WITH ANIMATION

Fred Hotchner, Los Angeles, Calif.

Application April 17, 1947, Serial No. 742,132
12 Claims. (Cl. 40—130)

1. A device for simulating motion in a design represented on a display surface by the various movements of light areas thereover, including: a tubular refractor having a plurality of elongated lenses extending in bank formation in the general direction of the tube axis, means to revolve said refractor around the tube axis, a light source positioned to illuminate the interior of said refractor, said lenses being conformed to project a plurality of elongated images of said source in bank formation along a curved surface and to move said images in a series along said surface as the refractor is revolved, a stationary refractor positioned in front of said tubular refractor having a plurality of elongated lenses in bank formation extending in the same general direction as



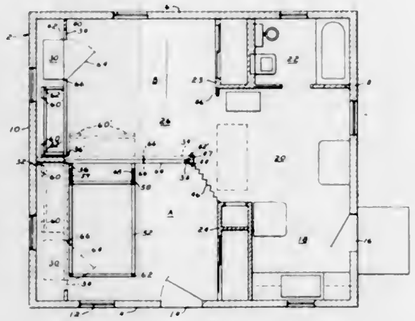
the tube axis and conformed to focus on said images and project therefrom to the field of view elemental beams of light which are of narrow divergence in that dimension of their cross section transverse of the tube axis, whereby the elemental beams thus projected converge in effect to real compounded images of said source or diverge in effect from virtual compounded images of said source, said compounded images moving in representation of the desired motion effect at different rates transverse of the tube axis from place to place over the display surface.

2,586,232

BED AND PARTITION CONSTRUCTION

Dick A. Hunt, Fort Oglethorpe, Ga.

Application November 15, 1951, Serial No. 256,480
4 Claims. (Cl. 20—1.11)



1. In a house structure including a room having a floor, side and end walls, a stub partition extending outwardly from one of said side walls, a pair of bed closets in said one side wall on respectively opposite sides of said stub partition, a pair of moveable partitions each having one end thereof supported in said room by vertical pivots adjacent the free end of said stub partition, said moveable partitions each being swingable about their pivots between a fully retracted position in which they lie parallel to said one side wall so as to mask said bed closets and a fully extended position in which the partitions lie back-to-back transversely of said room, mounting means for pivotally supporting upwardly folding beds on each of said moveable partitions adjacent the pivoted ends thereof whereby said beds nest in said closets when the partitions are extended, said partitions being of less than room width whereby, when the latter are extended, their free ends are spaced from the wall of said room opposite to said one side wall, means for connecting the free ends of said moveable partitions together, door means moveably supported on said opposite side of said room, door jamb means on the free end of at least one of said moveable partitions for cooperating with said door means, a pair of vanities built into said one side wall respectively adjacent the bed closets and on the sides of the latter remote from said stub partition, the portions of said moveable partitions between the free ends thereof and the bed mounting means respectively masking said vanities, said last-named portions each having door openings therethrough, and access doors pivotally mounted in said door openings and overlying said vanities in the retracted positions of the moveable partitions.

2,586,233

SULFONAMIDO ALPHA AROYLAMINO DERIVATIVES OF ANTHRAQUINONE COMPOUNDS

Walter Kern, Sissach, Paul Sutter, Binningen, and Theodor Holbro, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland

No Drawing. Application July 8, 1947, Serial No. 759,698. In Switzerland July 11, 1946
13 Claims. (Cl. 260—316)

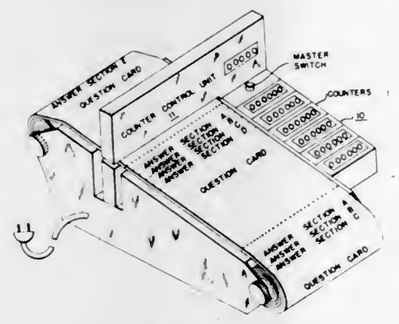
1. A vattable compound selected from the group consisting of α-aroylamino-anthraquinones, α-aroylamino-dianthrimides and the corresponding carbazoles, α-aroylamino-trianthrimides and α-aroylamino-anthraquinone acridones, wherein at least one aroyl radical is the radical of a benzene carboxylic acid which carries a sulfonic acid amide group as substituent in the benzene radical in a position which is not adjacent to the carboxyl group.

2,586,234

TESTING DEVICE

Joseph S. Kopas, Cleveland, Ohio

Application October 26, 1949, Serial No. 123,729
17 Claims. (Cl. 35—9)



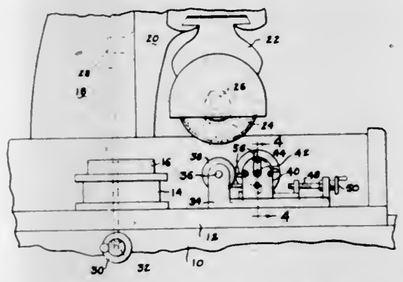
3. In a testing machine, a plurality of electrical counters, a conducting bar having a face including a contact face portion, a contact for each of said counters engageable with said contact face portion, spring means urging each contact into engagement with said contact face portion to electrically connect a respective counter to said conducting bar, switch means controlling the energization of said conducting bar, said switch means including an operating member disposed in the plane of and outside of said contact face portion, a card having a plurality of answer sections with each answer section representing a different answer to a question which may be printed on the card, each answer section consisting of at least one nonconductive portion slidable between at least one contact and the conducting bar to prevent operating of at least one of said counters, the different answer sections of said card having different nonconductive portions slidable between different contacts and the bar to prevent operation of different counters and thereby make the operation of the counters dependent on which answer section of the card is placed between the contacts and the conducting bar, said card having means abuttable against said operating member of said switch means when any one of the answer sections are inserted between the contacts and the conducting bar.

2,586,235

DEVICE FOR FORMING GRINDING WHEELS

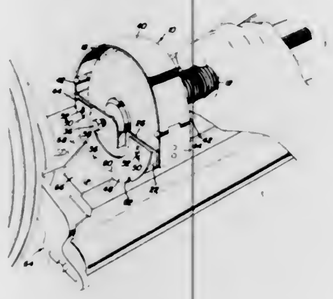
Frederick G. Krafft, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio

Application September 8, 1947, Serial No. 772,679
2 Claims. (Cl. 51—5)



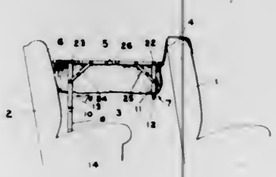
2. In combination in a grinding machine; a reciprocable table; a grinding wheel for grinding workpieces mounted on said table; a fixture on said table comprising a stationary frame and a frame slidable thereon; a roller journaled in said stationary frame with the surface form of the roller in true radial alignment with the complementary surface of a grinding wheel said grinding wheel and roller being relatively movable for contact therebetween; a turret journaled in said slidable frame upon an axis parallel to said roller; a plurality of shaving tools mounted in said turret angularly spaced and each adapted to engage the roller over its entire width and spaced around the periphery thereof having the complementary configuration in radial alignment with the surface form of said crushing roll; angularly spaced recesses in one side of said second frame; means fixed to said turret for turning therewith and receivable in said recesses whereby the turret may be selectively indexed; means mounted on said stationary frame and connected to said roller for driving said roller in one direction during the shaving thereof; and means freeing said roller from connection to said driving means whereby the freed wheel is independently rotated in the same direction during the dressing of said wheel thereby.

2,586,236
LAWN MOWER SHARPENER
James P. Lewis and Ralph R. Rader, Howard, Kans.
Application November 25, 1949, Serial No. 129,394
5 Claims. (Cl. 51—173)



1. In a lawn mower sharpener, the combination of a flexible casing, a flexible drive shaft rotatable in and projecting outwardly from said casing, a substantially rectangular frame removably mounted at one end of said casing and having a projecting portion of said shaft extending therein, a bushing positioned at the end of the casing adjacent said frame and receiving said shaft for rotation therein, said bushing being clampingly held in said frame, a rotatable grinding wheel provided in said frame on said shaft, guide means on said frame at opposite sides of said wheel for slidably engaging a stationary cutter blade and a cutter reel blade of a lawn mower whereby the periphery of said grinding wheel may be engaged in predetermined relation to said reel blade and cutter blade, said guide means including a pair of guide plates secured to said frame at opposite sides of said grinding wheel, and means for adjusting the relation betwen said plates and said frame.

2,586,237
CONVERTIBLE BASSINET AND CHILD'S SEAT
Samuel Linden, Chelsea, Mass., assignor to Bunny Bear, Inc., Everett, Mass., a corporation of Massachusetts
Application February 4, 1950, Serial No. 142,381
9 Claims. (Cl. 5—94)



2. A convertible bassinet and child's chair having a pair of U-shaped brackets serving as supporting legs therefor across from one side to the other side thereof, the U-shaped bracket forming one set of legs having an end separable from the side prongs of the U and means for attaching said separable end to the end of said other U-shaped bracket.

2,586,238
COPOLYMERS OF ACRYLONITRILE AND AMINE OXIDES
Marion R. Lytton, West Chester, Pa., assignor, by mesne assignments, to The Chemstrand Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application June 30, 1950, Serial No. 171,558
5 Claims. (Cl. 260—85.5)

5. A copolymer containing, by weight in the copolymer molecule, from 1 to 99 percent of acrylonitrile and from 99 to 1 percent of an amine oxide selected from the group consisting of amine oxides having the general formula

$$R_1R_2R_3N\rightarrow O$$

wherein R_1 and R_2 are each selected from the group consisting of alkyl, aryl and aralkyl radicals and R_3 is a member selected from the group consisting of

$$CH_2=CH-\underset{\displaystyle OR}{\underset{|}{CH}}-CH_2$$

and

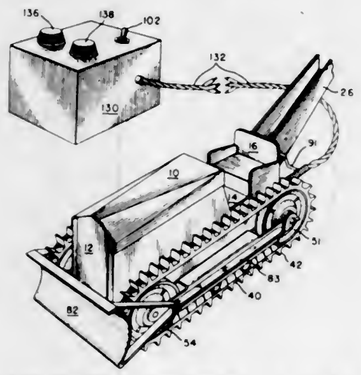
$$CH_2=\underset{\displaystyle (CH_2)_{x-1}}{\underset{|}{\overset{\displaystyle H}{\overset{|}{C}}}}-CH_2-$$

wherein R is selected from the group consisting of hydrogen and acyl radicals containing from 1 to 12 carbon atoms, and x is an integer from 1 to 3; and amine oxides having the general formula

$$R_3XN\rightarrow O$$

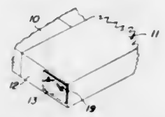
wherein R_3 has the same significance as above and X together with the nitrogen of the formula represents a divalent radical derived from a heterocyclic secondary amine.

2,586,239
REMOTE-CONTROLLED TOY BULLDOZER
Ritchie A. MacKenzie, Seattle, Wash.
Application September 2, 1947, Serial No. 771,768
5 Claims. (Cl. 46—219)



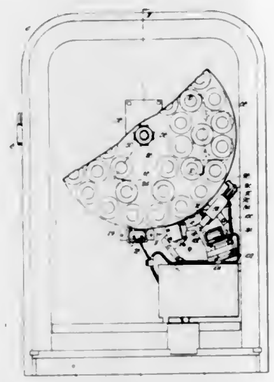
5. A toy tractor, comprising: a main frame forming a housing; a front axle supporting bracket member secured to said housing; a balanced transverse lever pivotally secured to said bracket member; a pair of front idler sheaves, each connected to one end of said lever; a rear axle journaled in said housing; a pair of rear drive sheaves rotatably mounted at the sides of said housing on said rear axle; a pair of resilient belt treads disposed on said drive and idler sheaves at either side of said housing.

2,586,240
DEVICE FOR PROTECTING DOOR ENDS
James Herbert Malarkey, Portland, Oreg., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
Application May 18, 1948, Serial No. 27,752
3 Claims. (Cl. 20—16)



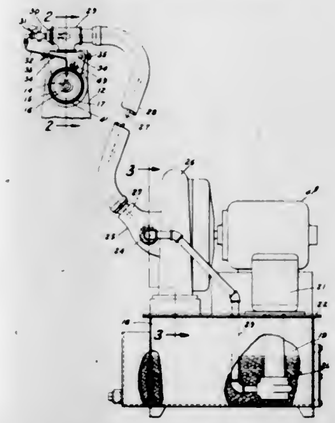
1. A device for protecting a door end comprising a flat base portion having a width substantially equal to the thickness of the door to which it is to be applied and providing a flat bearing surface against the end of the door stile, a raised surface disposed in a plane equidistant from the plane of the base and having parts extending substantially to the marginal edges of said base portion for elevating the door above the floor, and prongs struck out from the bearing surface of the base plate opposite said raised surface at a distance from the marginal edges thereof for securing the device to a door and the like, said flat base portion extending entirely around said raised surface.

2,586,241
VENDING MACHINE FOR BOTTLED GOODS HAVING VERTICAL ROTATING BASKET UNIT
Robert T. Manley, Kansas City, Kans., assignor to The Vendo Company, Kansas City, Mo., a corporation of Missouri
Application January 3, 1949, Serial No. 68,966
5 Claims. (Cl. 312—97.1)



1. In a vending machine of the kind described, a magazine having a plurality of open-end, article-receiving compartments and mounted for rotation on a substantially horizontal axis; a vertical, perforated wall covering the open end of said compartments, the center of gravity of said magazine and the axis of rotation thereof being relatively offset, whereby the magazine tends to rotate from a given set position; and shiftable means normally holding the magazine against rotation and having parts permitting step-by-step rotation of the magazine each time the means is shifted, whereby to successively move said compartments and the articles therein into register with the perforation of said wall.

2,586,242
COOLANT SYSTEM FOR GRINDING MACHINES
Jack S. Mathews, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application December 17, 1948, Serial No. 65,828
2 Claims. (Cl. 51—267)

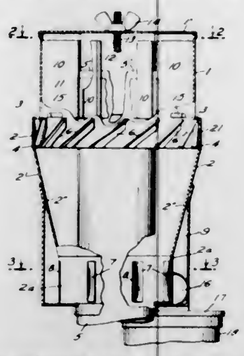


1. In a wet grinding attachment for a dry grinding machine having a spindle support, a spindle journaled therein, and a grinding wheel detachably connected to the end of said spindle, the combination of a self-contained portable coolant tank and pump unit, a power driven suction fan mounted on said tank and having an exhaust outlet communicating with said tank, a flexible suction pipe having one end connected to the inlet of said fan, a grinding wheel housing connected to the other end of said suction pipe, a coolant delivery pipe connected at one end to said pump and extending through and supported by said suction pipe and terminating at said housing in a delivery nozzle, said housing including a first wall having a bore fitting said spindle and shaped to enclose one side and the periphery of said grinding wheel, and an outer wall connected to said first wall to form an annular suction chamber around said spindle, said walls terminating in spaced relation to form a narrow annular suction orifice at the periphery of the grinding wheel, and means to detachably connect said housing to said spindle support with the mouth of said orifice adjacent to the peripheral edge of the grinding face of the grinding wheel.

2,586,243
AIR CLEANER
George F. McDougall, Portland, Oreg.
Application February 21, 1950, Serial No. 145,483
7 Claims. (Cl. 183—80)

1. A dry separation air cleaner comprising a two part elongated hollow vertical body, formed by partially telescoping two bell shaped members a small fraction of their lengths, the upper telescoped into the lower to form a velocity jet nozzle of annular form surrounding the median portion of said body, an air eduction pipe axially penetrating said body from end to end save for a short distance from the inside top of the upper bell, to which it is secured, said velocity jet nozzle formed with suitable area to impart entrance velocity to incoming air related to velocity of air in said eduction pipe, said air directed by said nozzle towards the inside lower end of said body

opposite the point of air eduction, a dust concentrating cyclone incorporated with said lower bell, means for imparting whirl to air passing



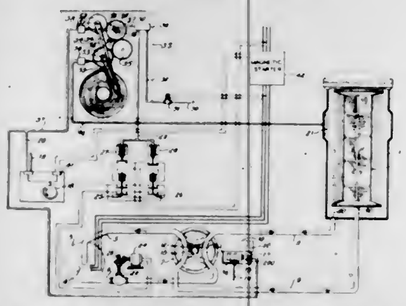
through said velocity jet nozzle, said jet nozzle positioned to deliver the whirling air to said cyclone.

2,586,244

APPARATUS FOR CONTROLLING THE FLOW OF DYE LIQUOR THROUGH KIERS

William E. J. McMann, Danville, Va.

Application January 16, 1948, Serial No. 2,671
9 Claims. (Cl. 68—189)



1. In a dyeing apparatus comprising a kier having a beam axis port and a port leading to the exterior surface of a beam within the kier, a beam within the kier and connected with the beam axis port thereof, a pump having a discharge port and an intake port, a pipe system interconnecting the ports of the kier and the pump for conducting dye liquor from the pump to the kier and from the kier to the pump, and reversing valve means for changing the relation of connection between the pump ports and the kier ports to reverse the direction of flow of dye liquor through the kier, the combination of a power driven constrictible valve in the pipe system for regulating the rate of dye liquor flow through the kier, a pressure responsive device located within said kier, and means controlled by said pressure responsive device for actuating said valve.

2,586,245

COMBINATION GAFF HOOK AND SCALE

Donald K. McRae, Wilmington, N. C.

Application April 30, 1947, Serial No. 744,857
4 Claims. (Cl. 265—66)

1. In the combination of a gaff hook and scale comprising a handle with a pair of ends, an article holding member slidable in said handle, and a means for urging the holding member towards one end of the handle; a closure means comprising a cap peripherally enclosing said one end of the handle, means in said cap receiving



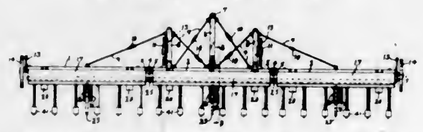
and retaining one end of the holding member when the device is to be used as a gaff hook, and means for retaining said cap on the handle.

2,586,246

FLEXIBLE FRAME SEED DRILL

Thomas S. Moffett, Vancouver, Wash.

Application August 12, 1946, Serial No. 689,847
2 Claims. (Cl. 111—55)



1. In a flexible frame seed drill, the combination of a wheel-supported articulated transverse draft beam comprising a plurality of transversely extending sections jointed at their adjacent ends, a plurality of seed hoppers transversely arranged and having seed feed means adapted to be driven, a driving wheel and operative driving connections for each hopper, each hopper and its driving wheel being secured to an associated section of the draft beam, an articulated transverse drag frame comprising a transversely extending coupling bar disposed rearwardly of the draft beam and made up of sections similar in number to the sections of the draft beam and correspondingly jointed so as to articulate therewith, means loosely connecting the sections of the draft beam and coupling bar together, seed-depositing and planting units mounted on the sections of said coupling bar, means to convey seed fed from the hoppers to the units, and means reacting between each section of said draft beam and its corresponding section of said coupling bar for urging said units down into operative planting position.

2,586,247

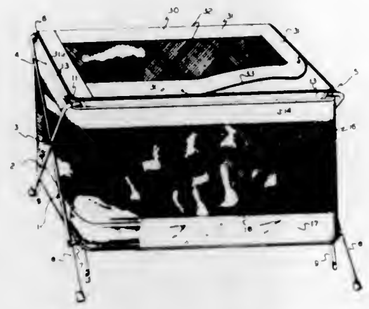
PORTABLE INFANT'S CRIB

Hyman Mover, deceased, late of Marblehead, Mass., by Rebecca C. Mover, executrix, Marblehead, Mass., assignor to Bunny Bear, Inc., Everett, Mass., a corporation of Massachusetts

Application August 17, 1950, Serial No. 180,016
6 Claims. (Cl. 5—97)

1. A crib comprising an enclosure for receiving a child and a frame for supporting said enclosure,

said frame having a pair of oppositely disposed long side elements, netting forming the side and end wall structure of said enclosure, a pair of inverted U-shaped members having the bight portions thereof forming said relatively long side elements of said frame, the legs of one of said members crossing the legs of the other member and secured thereto, a fabric secured to said netting and forming a continuous border for said enclosure at the top portion of said wall structure, a flexible element at each end of the crib, said flexible elements being arranged to form the opposite ends of the frame, a sheath member



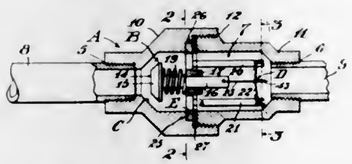
surrounding each side and end of said frame, said fabric being secured to said sheath members for suspending said netting therefrom, a second fabric secured to said netting and forming a continuous border at the lower portion of said wall structure of said enclosure, mattress supporting means including the bottom wall of said enclosure and a stiff element covering said bottom wall, means securing the first mentioned means to said lower border at the lower portion of said wall structure and a mattress removably disposed in the first mentioned means and engaging the lower portions of said wall structure.

2,586,248

THERMO SAFETY VALVE

Carl A. Newman and Reni S. Berry, Los Angeles, Calif.

Application January 7, 1949, Serial No. 69,678
3 Claims. (Cl. 137—162)



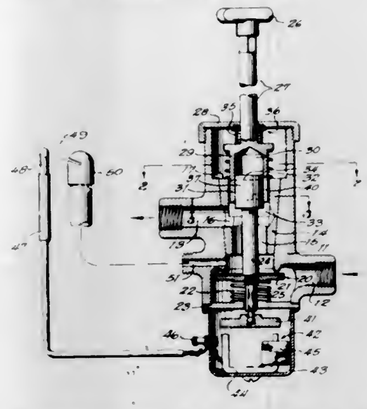
1. In a fuse controlled valve, a valve housing having a passage leading therethrough with a valve seat at each end thereof, a spider in said valve housing, a spring pressed poppet valve carried by said spider including a stem reciprocably mounted an carried by said spider and extending therethrough, a ball valve adapted to be supported on the outer end of said valve stem, a spring for urging said ball valve away from said stem, and a fusible element connected to said valve stem and engaging said ball valve and holding the valve elements in an assembled position away from the valve seats in an open position with said spring under tension.

2,586,249

FLUID CONTROL VALVE

Eugene Paille, Los Angeles, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California

Application November 26, 1946, Serial No. 712,328
5 Claims. (Cl. 137—44)



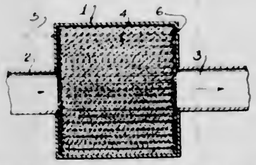
1. In combination: a valve casing; an apertured plug seated in said casing and rotatable to control flow therethrough; a safety shut-off valve also controlling the flow through said casing, said shut-off valve being biased to closed position and adapted to be opened by fluid pressure; a system for generating said fluid pressure and for operatively applying it to said shut-off valve; a handle rotatable to operate said plug, said handle also forming part of said pressure-generating system and being reciprocable to generate said fluid pressure; and means, effective only while said plug is in open position, for permitting said pressure-fluid to escape so as to prevent opening of the shut-off valve.

2,586,250

HEAT EXCHANGER

Leon Parker, Burbank, Calif., assignor to The H. I. Thompson Company, Los Angeles, Calif., a corporation of California

Application September 12, 1949, Serial No. 115,242
8 Claims. (Cl. 263—51)



1. A heat exchange unit, comprising a housing, a fluid inlet, a fluid outlet from said housing, a plurality of elongated fluid passageways through said housing, the said passageways having walls comprising textile material formed of interlaced silica filaments.

2,586,251

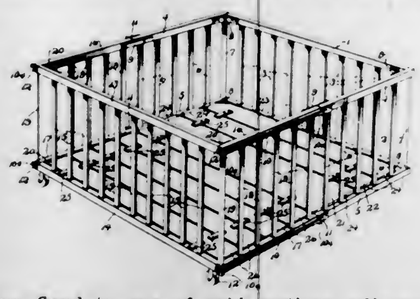
PLAY PEN CONVERTIBLE TO A BED

Chad A. Peebles, Newaygo, Mich.

Application April 24, 1946, Serial No. 664,622
9 Claims. (Cl. 5—99)

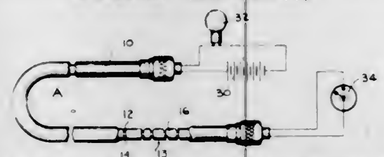
7. A convertible play pen comprising four vertical sides located at right angles to each other, each of the adjacent sides at the respective four

corners of the pen being hinged together, two of the opposite sides being full unitary sides, and the other two sides each comprising two sections hinged together, each hinge having two members, one of the members of each hinge



being fixed to one of said sections adjacent a vertical edge thereof, and the other member of each hinge being mounted on the other of said sections for movement to positions adjacent either vertical edge of said other section.

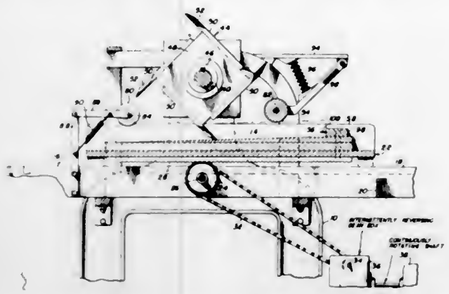
2,586,252
FIRE DETECTOR ELEMENT
Melville F. Peters, East Orange, N. J., assignor to Petcar Research Corporation, Newark, N. J., a corporation of New Jersey
Application May 2, 1949, Serial No. 90,881
6 Claims. (Cl. 201—63)



1. A readily bendable cable-like element of indefinite continuous length for use in the detection of abnormal temperature conditions at any location along its length, comprising a bendable tubing element formed of material of relatively high heat conductivity, a unitary assembly disposed within and tightly fitting the tube but being separate therefrom and comprising two electrically conductive uninsulated wires which are substantially co-extensive in length with the tubing element and are spaced therefrom and from each other throughout their length, and a discontinuous member formed of a material which is substantially non-conductive to electricity at normal lower temperatures and which becomes conductive to electricity at abnormal higher temperatures surrounding and adhered to said wires and which maintains them in closely spaced relation to each other and tightly engages the interior surface of the tubing element to provide an electrically conductive path between the wires in substantially instantaneous response to abnormal higher ambient temperatures to which the exterior of the tubing element may be subjected, while electrically insulating the wires from each other at normal temperatures.

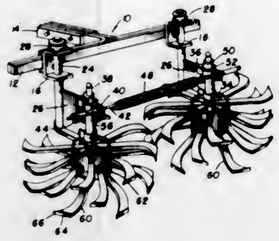
2,586,253
PICKET SHAPING MACHINE
Herbert L. Peterson, Detroit, Mich.
Application June 13, 1949, Serial No. 98,819
4 Claims. (Cl. 144—134)

3. In a picket shaping machine, the combination of a bed, an elongated picket-receiving platen reciprocable on said bed, a rotatable arbor extending transversely of said bed, a pair of coacting picket shaping tools positioned on said arbor for rotation therewith, said tools being slidable on said arbor toward and away from each other,



and means responsive to reciprocation of said platen for sliding said tools, said means including a pair of mutually convergent guide rails provided on said platen, and means on each of said tools for operatively engaging one of said guide rails.

2,586,254
SUGAR CANE STUBBLE DIGGER
Ernest F. Pitre, New Iberia, La.
Application December 16, 1946, Serial No. 716,572
1 Claim. (Cl. 97—179)

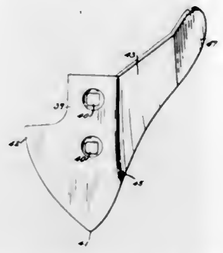


A sugar cane stubble digger comprising a supporting frame, a pair of spaced, vertically slidable shafts rotatably mounted on said frame, vertical plates fixed on said shafts and extending horizontally therefrom, vertical bearings on the free ends of said plates, vertically adjustable shafts journaled in said bearings, rotary horizontal digging units on the lower portions of the second named shafts, apertured arms on the plates, eye bolts adjustably mounted on said arms, a coil spring connected to said eye bolts, adjusting nuts threaded on the eye bolts, and spacing sleeves on said eye bolts between the arms and said nuts, said spring yieldingly resisting spreading of the digging units in a horizontal plane.

2,586,255
CULTIVATOR SHOVEL
John J. Pleskac, Ulysses, Nebr.
Application April 12, 1948, Serial No. 20,392
1 Claim. (Cl. 97—204)

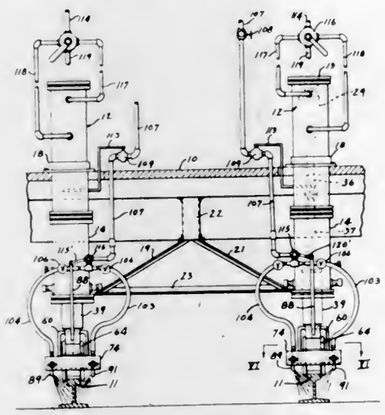
In a cultivator shovel, the combination which comprises an arcuate front plate concave in elevation, having a flat upper section and a V-shaped lower section with the wall forming one side of the V extended outwardly away from

hills of a row of corn on which the cultivator from which the shovel depends is positioned providing an outer wall and the other side extended inwardly toward hills in said row of corn providing an inner wall, the outer wall of the said lower section extended beyond the edge of the corresponding side of the said flat upper section and the upper end of said outer wall being spaced from and positioned below the upper end of the said flat upper section, the inner wall of the said V-shaped lower section extended rearwardly and outwardly from the center of the shovel to



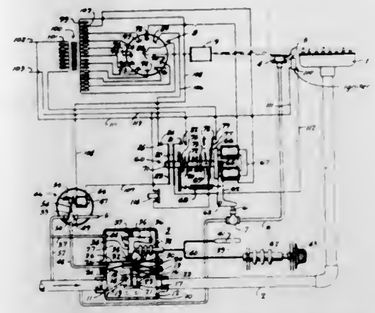
a point corresponding with the edge of said flat upper section of the shovel and from said point inwardly away from the center of the shovel to provide a soil deflecting wing, and from said wing rearwardly at an acute angle in relation to the said wing, the side walls of the said V-shaped lower section of the shovel having arcuate lower edges extended upwardly and rearwardly from the point, and the said wing having an arcuate upwardly sloping lower edge positioned to pile soil elevated by the point of the shovel around hills of corn of the said row of corn.

2,586,256
RAILROAD RAIL SPRAYING APPARATUS
John P. Quarles, Huntington, W. Va.
Application May 19, 1950, Serial No. 162,957
12 Claims. (Cl. 299—31)



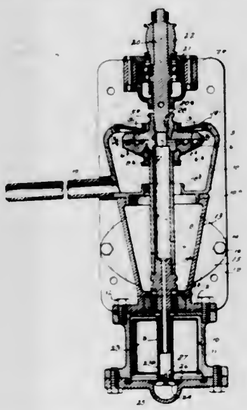
1. In a railroad rail spraying apparatus including a railway vehicle, a spray carriage suspended from the vehicle and free for lateral movement relative to the vehicle, a wheel for the carriage riding on the rail, spray nozzles mounted on the carriage and directed toward the rail, and means limiting lateral movements of the carriage relative to the vehicle and restricting said movements to a direction transversely of the rail.

2,586,257
INTERLOCKING SAFETY SWITCH SYSTEM
William Alton Ray, North Hollywood, Calif., assignor to General Controls Co., a corporation
Original application November 13, 1944, Serial No. 563,166. Divided and this application January 10, 1948, Serial No. 1,526
2 Claims. (Cl. 175—375)



1. In combination: an electrical energy translator; means for passing energy to said translator; and a switch controlling said translator, comprising: an actuator; means urging the actuator to initial position; a member moved by the actuator; means capable of being electrically energized by said translator for holding said member in the position to which it is moved; a first circuit controller operated by said member for energizing said energy passing means, when the member is in its held position, a circuit deriving energy from said translator; and a second circuit controller for controlling said circuit and operated by return of the actuator to its initial position for permitting energization of said circuit.

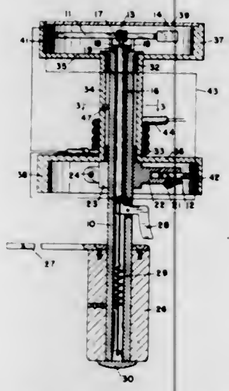
2,586,258
HOMOGENIZING APPARATUS
Eugene H. Reeb, Philadelphia, Pa., assignor to Star Metal Manufacturing Company, Philadelphia, Pa., a partnership comprising Abraham S. Levin and Sarah Levin
Application March 7, 1946, Serial No. 652,739
10 Claims. (Cl. 259—96)



1. A homogenizer, including in combination, a rotary closed bowl receiving and discharging the ingredients in a continuous flow, means for rotating said bowl, said bowl being closed at its

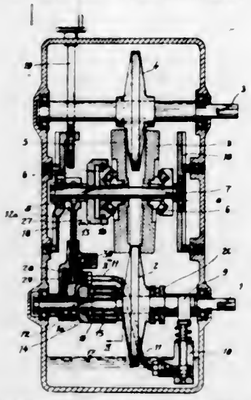
upper end and providing thereat a liquid-collecting chamber, a disc fixedly and concentrically carried by the upper end of said bowl and having a substantially plane bottom surface, a second concentric disc detachably secured on said bowl adjacent its upper end and below said first mentioned disc; concentric, radially spaced flat topped circumferential ridges projecting from the upper surface of said lower disc and making substantially flat contact with the bottom surface of the upper disc, whereby said discs provide concentric radially spaced grooves about said liquid-collecting chamber, said chamber having spaced radially extending outlet passages communicating with the innermost concentric groove provided by said discs, the inner walls of said groove-providing ridges slanting upwardly and outwardly to the upper disc-engaging tops thereof, whereby to provide an annular acute-angle-defining fat globule-compressing or crushing space at the upper outer wall portions of said annular grooves, said ridges having circumferentially spaced notches cut in their upper ends, said notches being of minor depth as compared to the depth of said grooves and establishing communication from one groove to the next outer groove, the slanting inner walls of said groove-providing ridges directing the liquid upwardly to the plane of said notches, whereby to subject the liquid and its contents to extended frictional action against said walls while taking advantage of centrifugal action to prevent liquid from collecting in the bottom of said grooves.

2,586,259
AZIMUTH TRANSMITTER
Albert C. Reid, Tulsa, Okla.
Application May 2, 1951, Serial No. 224,238
10 Claims. (Cl. 177—380)



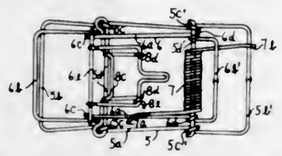
1. An azimuth transmitter for generating direction signals comprising a mandrel, an index magnet projecting radially from said mandrel and adjustably clamped thereto, a compass magnet spaced from said index magnet and pivoted for rotation on the axis of said mandrel, a frame between said index and said compass magnets mounted for rotation about said mandrel as an axis, a pair of coils carried by said frame, each one of said coils being mounted in a position to be carried by said frame in a circle passing close to one of said index and said compass magnets when said frame is rotated on said mandrel, and electrical leads for connecting said coils to a recording circuit.

2,586,260
VARIABLE-SPEED CHANGING GEAR
Sven Bernhard Rennerfelt, Goteborg, Sweden
Application November 13, 1950, Serial No. 195,376
In Sweden November 14, 1949
5 Claims. (Cl. 74—200)



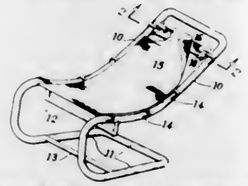
1. A variable speed changing gear comprising in combination, a casing, a primary shaft and a secondary shaft mounted in said casing, a friction disc on said primary shaft, a second friction disc on said secondary shaft, said discs being located substantially in a common plane and having a thickness decreasing towards the periphery, a gear shaft located between said primary and said secondary shaft in parallel relation thereto and being mounted in a frame displaceable between said primary and said secondary shaft, two friction wheels rockably mounted on said gear shaft in engagement with the lateral faces of said fraction discs, fluid-actuated means for forcing said wheels against said discs, a source of fluid under pressure communicating with said fluid actuated means, and means responsive to the transmitted momentum to vary the pressure of said fluid in order to increase the pressure between said wheels and discs at increasing momentum.

2,586,261
ANIMAL TRAP
Ralph J. Rhines, Tacoma, Wash.
Application June 26, 1946, Serial No. 679,473
6 Claims. (Cl. 43—82)



1. In animal trap assemblages, and in combination, a base element having a pair of cross rods spaced from each other and from the ends of the element, a tensioning spring, a movable element pivotally mounted on the rear cross rod and having a length to cooperate with the opposite end zone of the base element in producing the trap jaws, said movable element being under spring tension applied by the tensioning spring in its pivot zone and having a handle rearward of the spring, a two-member tripping unit connecting the movable element and the front cross rod, a bait carrier member one of the members supporting the bait and its carrier, the two members of the unit having a pivotal connection with each other in the mid zone of the unit length and respectively with the front cross rod and the movable element, said unit members being articulated to act in such manner to simulate a toggle joint action with respect to a straight-line position of the members with the joint movable to either side of such straight line position, and means for limiting the extent of unit movement in the direction of one of such sides to thereby permit setting of the trap from the rear end zone of the base element by handle manipulation when the trap is inclined downwardly with the front and zone downward, the set position of the unit and bait carrier presenting the bait in advance of the mid-zone of the unit to thereby produce trap collapse by pressure applied to the bait and its carrier in rearward and/or downward direction and in the general direction of the rear cross rod of the base element.

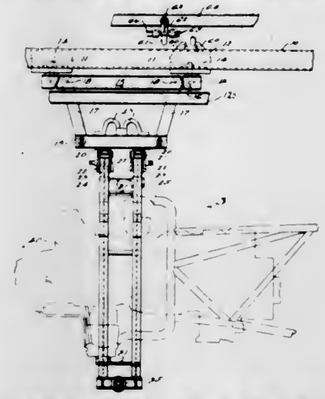
2,586,262
ARTICLE OF FURNITURE
Jack B. Robins, Colorado Springs, Colo., assignor to Aircraft Mechanics Inc., Colorado Springs, Colo., a corporation of Colorado
Application December 22, 1945, Serial No. 636,853
1 Claim. (Cl. 155—187)



An article of furniture formed to support an occupant in a condition of repose and comprising a frame having an opening defined in part by a pair of similar, parallel, spaced apart members, annular in cross section and forming the sides of the frame, a flexible sheet extending substantially from one member to the other, and means removably supporting said sheet in position to support the body of said occupant; each of said members being provided with a series of apertures with each aperture of one series in alignment with an aperture of the other series, and said means comprising a plurality of straps, each secured intermediate its ends to said sheet, and a set of anchor elements each including a shank secured to one end of one of said straps, each anchor element including a portion extending from the shank thereof in snug engagement with part of one of said frame members along an arc of contact exceeding 90° and terminating in a hook end removably extending into one of said apertures, the straps being of such length as to provide just sufficient slack therein to permit each anchor element to be removed from the frame member engaged thereby by a swinging movement in the proper direction to break the engagement between such element and such member.

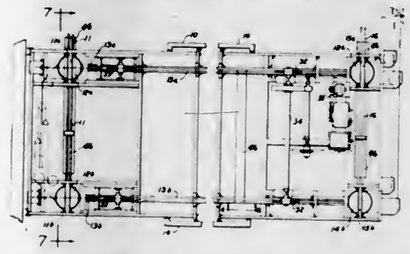
2,586,263
CONVEYER
Andrew G. Rose, Detroit, Mich., assignor to Jervis B. Webb Company, Detroit, Mich., a corporation of Michigan
Application October 12, 1944, Serial No. 558,324
23 Claims. (Cl. 105—156)

1. A device of the character described, comprising a supporting track, a pair of spaced trolley brackets mounted for movement longitudinally of said track, a supporting framework carried by said trolley brackets, an annular article-carrying fixture carried by said framework, and means for mounting said annular fixture for rotation relative to said framework upon an axis located substantially centrally of said annular fixture and extending longitudinally of said track, said means comprising a pair of rollers extending in



spaced transverse relation to said supporting track and said annular fixture having an annular flange engaging said rollers for supporting said fixture rotatably from said supporting frame and trolley brackets.

2,586,264
SINGLE- AND DOUBLE-TRACK CONVEYER SYSTEM
Andrew G. Rose, Detroit, Mich., assignor to Jervis B. Webb Company, Detroit, Mich., a corporation of Michigan
Application June 10, 1946, Serial No. 675,691
3 Claims. (Cl. 104—91)

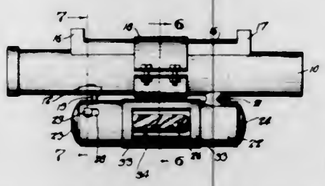


1. In an overhead trolley conveyor system wherein elongated loads supported by two spaced trolleys are moved between single tracks for longitudinal movement and double tracks for lateral movement through the use of turntables at the juncture of single and double tracks, means for effecting a synchronized and simultaneous movement of a pair of said turntables from one track position to another comprising equal sheaves on each of said turntables having coincident axes of rotation with said turntables, a flexible line passing around each of said sheaves actuable from a single drive to effect simultaneous rotation of said turntables.

2,586,265
TROUBLE LIGHT FOR ILLUMINATING WORK AREAS AND PROJECTING WARNING BEAMS
Clyde C. Russell, Trona, Calif.
Application September 25, 1947, Serial No. 776,027
1 Claim. (Cl. 240—52.5)

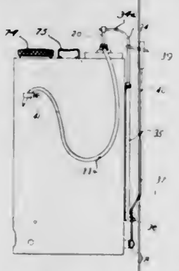
In a trouble light, the combination which comprises an elongated tubular battery casing having

a closed end, a cap threaded on the opposite end of the battery casing having a centrally disposed battery terminal contact therein, a tubular lamp casing positioned parallel to said battery casing and integrally connected at one end to said battery casing, the intermediate part of said lamp casing having an opening therein, lenses mounted in the ends of the said lamp casing, a sleeve having a window therein rotatably mounted on said lamp casing with the window of the sleeve positioned to register with the said opening of said casing, a lamp support transversely positioned in



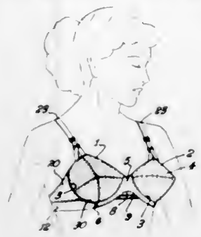
said lamp casing intermediate of the ends thereof whereby a lamp carried thereby provides light rays through the lenses at the ends of the lamp casing and also through the window of the sleeve on the casing, strips connecting the contacts of the battery casing to lamp terminals of the said lamp support, a switch positioned to be actuated from the exterior of the lamp casing and positioned to open or close a circuit to the lamp through the lamp terminals, a member positioned on said battery casing adapted to attach the light to a support, and a clamp removably mounting the member on the said battery casing.

2,586,266
SPRAYER
Vincent Santarelli, Detroit, Mich.
Application July 9, 1945, Serial No. 603,971
3 Claims. (Cl. 299—99)



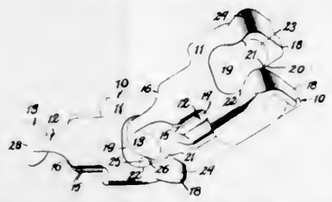
1. A nozzle of the class described, comprising: a hollow housing; an outlet tip mounted on one end of said housing and communicating with the interior thereof and provided with an outlet opening in its end and having its inner surface tapered toward said end; a tubular adjusting core closed at one end and open at the other and longitudinally movable in said housing and provided adjacent its closed end with an outlet opening, opening laterally therethrough and having a portion at said closed end provided with a tapered peripheral surface movable into engagement with the tapered surface of said tip to form a valve, said tapered surface of said core having a plurality of circumferentially spaced, spirally directed grooves formed therein for permitting passage of liquid therethrough upon engagement of the end of said core with the tapered surface of said tip.

2,586,267
BRASSIÈRE
Theo B. Schaumer, Los Angeles, Calif.
Application November 26, 1949, Serial No. 129,627
2 Claims. (Cl. 2—42)



1. In a brassière: a pair of breast cups; a central fabric member joined to the inner edges of the bases of the cups and extending between them; the lower portions of said member terminating in diverging ends extending respectively beneath the cups; a pair of elastic members joined respectively to said ends; the lower edges of said elastic members forming, with the lower edge of said central member, the lower edge of the brassière; said elastic members and the central member being capable of substantially entirely encircling the body of the wearer; and a pair of inelastic side members, each side member being attached to the upper edge of a corresponding elastic member, said side members being cut on the straight of the fabric to restrain those portions of said upper edges of the elastic members, which are joined to the side members, from stretching; each of said side members having an arcuate edge corresponding to a portion of the base of the adjacent cup, and said arcuate edge being joined to said base.

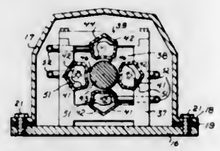
2,586,268
CHAIN
Albert W. Smith, Kenmore, N. Y., assignor, by mesne assignments, to Pressed Steel Car Company, Inc., a corporation of Pennsylvania
Application June 13, 1949, Serial No. 98,655
6 Claims. (Cl. 74—246)



1. In a pair of connected links of a chain, one of which links has a body, a neck projecting from one end of said body and a segment of a ball attached to said neck with its spherical face opposing said body and the other of which links has a body, a socket extending inwardly from one side and one end of said body and opposing lips extending from said one side of said body and adjacent said one end thereof part way across said socket to embrace and retain said ball, said lips, ball, socket and neck being shaped to permit limited angular movement of said pair of links relative to each other in all directions and said lips extending from said one end of its body to points short of the opposite end of

said socket to permit said ball segment to be withdrawn from said opposite end of said socket, the combination therewith of means preventing accidental uncoupling of said pair of links, comprising a projection projecting from the interior wall of said socket adjacent the end of said ball segment opposite said neck to prevent direct movement thereof to a position to be so withdrawn from said socket, and said ball segment being provided with a depression interrupting the continuity of said spherical face at the edge thereof opposite said neck and said depression being adapted to be brought into mating relation with said projection upon a predetermined manipulation of said links to permit said ball segment to pass said projection and be so withdrawn from said socket.

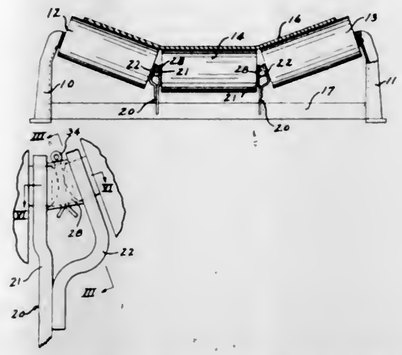
2,586,269
WATER-PRESSURE BEARING
Lawrence Sebastian Smathers, Leeper, Pa.
Application February 24, 1947, Serial No. 730,644
1 Claim. (Cl. 308—9)



A fluid bearing comprising a casing, a number of heavy open frames within the casing, each of said frames having three integral walls and a removable bar forming a fourth wall, grooves within the interior wall surfaces of each frame, a number of nozzles extending longitudinally of the frames and extending into the grooves in the walls of the frames and retained within the grooves of the same, each of said nozzles having a partition wall therein extending transversely thereof to sectionalize a portion of the space within each nozzle, each of said nozzles having a concave inner face, a plurality of relatively spaced openings in each of said inner faces, means for separately supplying the sectionalized spaces with fluid under pressure and in a radial direction, a shaft extending into the casing and through the frames longitudinally thereof, said shaft coacting with the concave inner face of each nozzle but spaced therefrom, said shaft being supported by the fluid being forced from the openings in the inner face of each nozzle, means for supplying fluid under pressure to each nozzle, and throttle control means for controlling the pressure of the fluid being delivered to the sectionalized spaces.

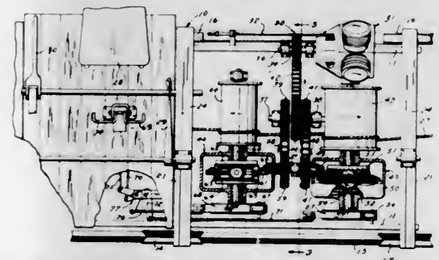
2,586,270
HOLD-DOWN CLIP FOR IDLER ROLLS
Samuel J. Spurgeon, Birmingham, Ala.
Application October 15, 1949, Serial No. 121,577
6 Claims. (Cl. 198—192)

1. In a troughing idler roll assembly of the type having centrally disposed roll axles and converging brackets having upwardly opening slots in which the ends of the axles are placed to extend past the brackets, a unitary U-shaped clip straddling the extending ends of the axles and having an upper leg narrower than the lower leg, a tapering base section connecting the legs, said legs and base section being of a width for the edges of the clip to engage the adjacent faces of said brackets,



and a removable member joining the legs on the side of said axles opposite the base of the clip.

2,586,271
SAWMILL CARRIAGE
Luther Robert Stanley and Walter Henry Pate, Greggton, Tex.
Application October 10, 1946, Serial No. 702,464
5 Claims. (Cl. 143—108)



3. Propelling means for a saw mill log carriage comprising a length of track, a single cable secured at each end of said track and extending longitudinally thereof, a carriage on said track, an engine on said carriage, a pair of winding drums journaled on said carriage and driven by said engine, a differential gear for each of said winding drums for rotating said drums in opposite directions, said cable being looped about each of said drums in the same direction, a clutch on each of said differential gears opposite from the drum thereon, and a brake for each of said clutches for independently driving said oppositely rotating drums and controlling and reversing the direction of movement of said carriage.

2,586,272
TIE HOLDER
Friedrich Wilhelm Stargardt, Chesterfield County, Va.
Application February 26, 1949, Serial No. 78,654
3 Claims. (Cl. 2—153)



1. A resilient clasp of the character described comprising a curved spring band constructed

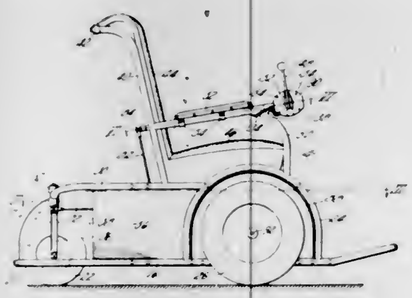
as an encircling collar having adjacent rearward terminals arranged opposite to each other and forming a passageway therebetween, hooks on the said terminals having their curved ends extending outwardly and upwardly, and a vertical pin secured to the central forward portion of said band and having a downwardly extending pointed end, said passageway permitting the clasp to be slipped around the forward folded part of a tie, the pointed end of the pin extending downwardly into the front part of the tie, and the curved ends of the hooks engaging at opposite rearward portions of the tie and cooperating with the pin to hold the clasp in fixed position of adjustment on the tie.

2,586,273

ELECTRICALLY DRIVEN HOSPITAL CHAIR

Glenn A. Steven, Kansas City, Kans., assignor to The Electro-Glide Company, Inc., Kansas City, Kans., a corporation of Kansas

Application June 9, 1947, Serial No. 753,544
7 Claims. (Cl. 180—27)



1. A hospital chair having wheels and electric motors for driving said wheels, means controllable by electric switches for supplying operating current to said motors, a manually operable lever having a neutral or inoperative position carried by said chair and operable by movement away from its neutral position to close said switches to operate said motors, mechanical brakes normally applied to said motors by spring pressure, electrical means independent from said motor circuit to release said brakes, said lever being operable during its initial movement to actuate said last named electrical means to release said brakes before said motors are started.

2,586,274

PROCESS FOR PRESERVING FOODSTUFFS WHICH ARE SUBJECT TO THE ATTACK OF FUNGI

Frederik Dirk Tollenaar, Utrecht, Netherlands, assignor to Nederlandse Centrale Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek, The Hague, Netherlands, a corporation of the Netherlands

No Drawing. Application October 19, 1948, Serial No. 55,438. In the Netherlands November 26, 1947

15 Claims. (Cl. 99—224)

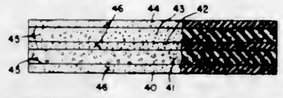
1. As a new article of manufacture, a manufactured foodstuff, normally subject to fungi attack and resistant to autoxidation, having incorporated therein a gallic acid ester of an aliphatic alcohol of 8–12 carbon atoms, in an amount sufficient to inhibit fungi attack.

2,586,275

PROCESS OF MAKING LAYERED SPONGE PRODUCTS OF VARYING DENSITIES

Harry A. Toulmin, Jr., Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio

Application September 10, 1949, Serial No. 115,034
9 Claims. (Cl. 18—53)



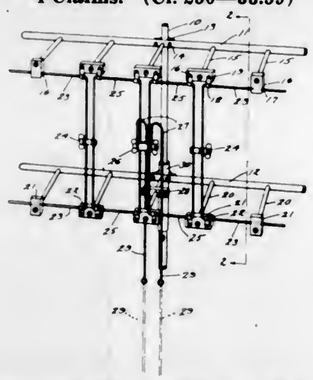
1. In a continuous process for making laminated sponge rubber, the steps of incorporating into separate dispersions of a rubber latex varying amounts of gaseous foaming constituents, foaming the separate dispersions, depositing layers of the separate foamed dispersions in superimposed positions prior to gelling thereof, simultaneously gelling the superposed layers, and curing the gelled layers into a unitary sponge product.

2,586,276

FOLDABLE COLLINEAR ANTENNA

Donald E. Umstead, Youngstown, Ohio

Application April 25, 1951, Serial No. 222,811
4 Claims. (Cl. 250—33.59)



1. A multiple bay collinear antenna comprising at least two horizontally disposed combination support and reflector members, a plurality of forwardly extending support members carried on each of said combination support and reflector members, insulating blocks on each of the ends of said forwardly extending support members, horizontally disposed collinear antenna elements mounted on said insulating blocks for axial rotation with respect thereto, vertical extensions on each of said collinear antenna elements, the ends of said vertical extensions secured to one another in oppositely disposed pairs by mechanical fasteners whereby movement of the antenna elements on one of the combination support and reflector members toward the other causes axial rotation of the antenna elements and knee action folding of the vertical extension thereof permitting the antenna to be collapsed into a small area.

2,586,277

HORSE SIMULATED SWING

Cecil J. Voelker, Yakima, Wash.

Application May 10, 1949, Serial No. 92,427
1 Claim. (Cl. 155—65)

In a swing, a supporting frame including a horizontal cross pipe, a vertical swing supporting

pipe, means for pivotally connecting the vertical swing supporting pipe to the horizontal cross pipe, a seat member, means for securing the seat member to the vertical swing supporting pipe, treadles forming a part of the swing, means for connecting the treadles to the lower end of the vertical swing supporting pipe, said treadles having elongated openings disposed longitudinally thereof, foot pieces mounted on the treadles and extending laterally therefrom, bolts extending



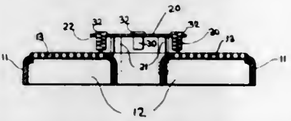
from the foot pieces and being movable in the elongated openings, adjusting the foot pieces longitudinally of the treadles, a cable secured to the free ends of the treadles, the opposite end of said cable being connected to the swing supporting pipe, and a sheave mounted at the upper end of the supporting frame over which the intermediate portion of the cable operates, whereby pressure on the treadles moves the swing supporting pipe and swing seat with a swinging motion.

2,586,278

SELF-IGNITION GAS BURNER

Harry Waters, New York, N. Y.

Application February 11, 1947, Serial No. 727,899
2 Claims. (Cl. 67—19)



1. A self-ignition gas-burner including in combination a horizontally disposed burner provided with a gaseous fuel inlet and a plurality of fuel outlets, a circular disk provided with a plurality of apertures disposed in spaced and parallel relation about the center portion of the burner, the apertures of the disk being aligned with certain of the fuel outlets, a tubular casing removably mounted in each aperture of the disk with the lower end thereof spaced from the top of the burner, and a coil catalyst mounted in each tube in the path of the fuel from the respective outlet to cause incandescence in the coil catalyst to ignite the gaseous fuel.

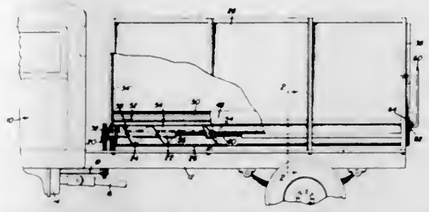
2,586,279

TRUCK GRAIN BODY

Eugene T. White, Jr., Northwest, Va.

Application April 10, 1950, Serial No. 154,996
3 Claims. (Cl. 214—83.32)

1. In a structure of the class described, in combination, a truck body for transporting and dispensing granular materials, said body having a hopper-shaped bottom embodying a pair of spaced parallel inwardly and downwardly inclined panels with their longitudinal edges spaced apart, a semi-circular plate connected to and joining with the edge portions of the panels in defining a trough, said trough being open at at least one end for discharging grain, an inverted V-



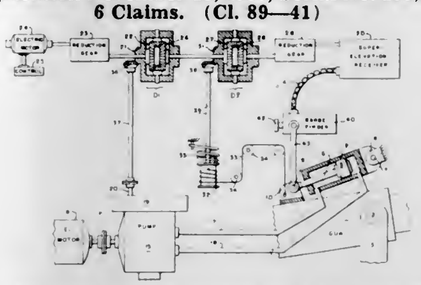
shaped hood supported in said body directly above and spanning said trough and screw, said hood having outwardly and downwardly diverging wall portions with their edges spaced above said panels and defining intake openings, gate valves mounted for oscillation in and normally closing said openings, and manually regulable means for opening and closing said valves.

2,586,280

HYDRAULIC TRANSMISSION AND CONTROL FOR GUNS

Ernst Wiedmann, Summit, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

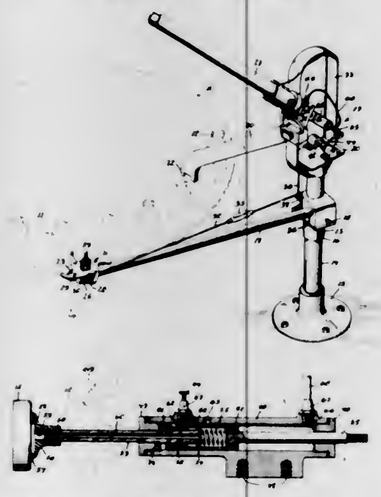
Application November 13, 1950, Serial No. 195,381
6 Claims. (Cl. 89—41)



1. An elevating mechanism for a gun, comprising a hydraulic motor connected to said gun and adapted when energized to change the elevation of said gun, a pump hydraulically connected to said motor for supplying liquid thereto to energize the same and having means for varying its displacement, a feed back from said gun for creating motion in response to a change in the elevation of said gun, a range finder normally movable with said gun and independently adjustable to vary the angle between it and said gun, a device for creating motion in response to said range finder being adjusted, a first three legged differential having a first leg thereof connected to said pump displacement varying means to operate the same, means for rotating a second leg of said differential to thereby cause the first leg thereof to effect adjustment of said pump displacement varying means in response to relative rotation of the second and third legs of said differential, and a second three legged differential having a first leg thereof connected to said feed back, a second leg thereof connected to said device and the third leg thereof connected to the third leg of said first differential so that operation of said feed back in response to a change in

the elevation of said gun or operation of said device in response to adjustment of said range finder will cause said second differential to rotate the third leg of said first differential and thereby modify the effect of the rotation of the second leg of said first differential.

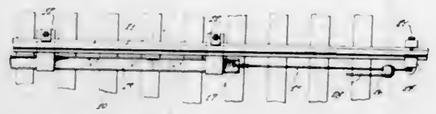
2,586,281
MACHINE FOR DELIVERING ARTICLES SERIALLY
John B. Wilson, Indianapolis, Ind., assignor to Basca Manufacturing Co., Inc., Indianapolis, Ind., a corporation of Indiana
Application March 4, 1949, Serial No. 79,696
17 Claims. (Cl. 226—88.1)



1. In a device of the class decribed, a cylinder, a piston mounted for reciprocation in said cylinder, stem means associated with said piston and projecting from said cylinder, a reciprocator having a lost-motion mechanical connection with said piston, a cup having a flexible perimetral lip carried on said reciprocator outside said cylinder, said reciprocator providing a passage always communicating with the interior of said cup and with the interior of said cylinder, a bleed port in said cylinder, a relief port in said cylinder axially spaced from said bleed port, said piston being arranged to mask and close said bleed port and said relief port at times and to open said bleed port prior to opening said relief port as said piston moves in a direction to shift said cup toward said cylinder, and means cooperating with said stem means to reciprocate said piston.

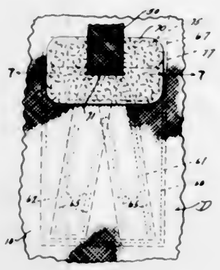
15. In combination, a transfer device for moving articles relative to a station, a magazine containing stacked elements to be associated serially with said articles, said magazine always exposing a surface of one of said elements at an end of said stack, picker mechanism including a cup having a flexible lip and movable toward said magazine and into engagement with said exposed surface, and away from said magazine, said picker mechanism further including a vacuum pump, the interior of said cup having communication with said pump and said cup acting, after such engagement with said exposed surface of an element in said magazine, to withdraw the engaged element from said stack, actuating means for said picker mechanism including a member disposed in the path of such articles, said articles successively engaging said member to move the same as said articles move relative to said station, to transmit the entire actuating power to said picker mechanism, and means operatively connecting said member to drive said pump to evacuate said cup upon such engagement and prior to movement of said cup away from said magazine.

2,586,282
RAILWAY SURFACING, TIE SPACING, AND TAMPING MACHINE
John T. Wren, Charleston, S. C.
Application December 18, 1948, Serial No. 65,996
1 Claim. (Cl. 254—43)



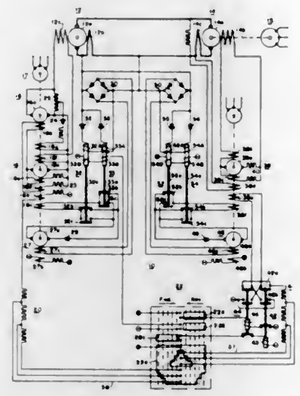
A railway surfacing, tie spacing and tamping machine comprising rail clips adapted to be connected to the rail and to extend from the sides thereof, an adjusting member operable through said clips and having an opening near one end, depending brackets connected to the adjusting member and equally spaced from one another, said brackets adapted to engage the ties to be spaced, and means connected to the end of the adjusting member to pull the same through the clips, and said means for operating the adjusting member comprising an anchor clamp adapted to be connected to the rail and having an opening, a cable and a ratchet device on the cable, said cable connected to the opening of the adjusting member and to the opening of anchor clamp respectively, said ratchet device being operable to effect a pull on the cable and upon the adjusting member.

2,586,283
HANDLE FOR FOOTBALL DUMMIES
Herman Delmos Wynn, Knoxville, Tenn.
Application March 25, 1949, Serial No. 83,466
4 Claims. (Cl. 273—55)



1. A handle structure for securement to the jackets of football dummies and the like comprising in combination with a flexible body portion having a slit therein, a handle webbing doubled upon itself and extended thru said slit opening to provide a hand loop portion externally of the body portion, the hand loop being intimately doubled upon itself and the ends of the webbing disposed internally within the body portion being laterally arranged in divergent relation towards the free ends thereof, and reinforcing means securing said divergent end portions to the body portion.

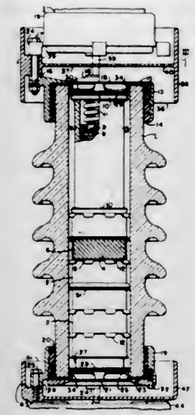
2,586,284
MOTOR CONTROL SYSTEM
Donald E. Abell, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 2, 1950, Serial No. 159,497
5 Claims. (Cl. 318—144)



1. In a control system for a dynamoelectric machine having an armature and a field winding, generator means connected to supply electrical energy to the field winding of said machine, said generator means having a plurality of field windings, circuit means connecting one of said field windings to a source of control voltage to provide a pattern field, a current limit generator having an armature and a plurality of field windings, circuit means connecting one of the field windings of said current limit generator to be energized in accordance with the value of the armature current of the dynamo-electric machine, additional circuit means connecting another of said field windings of the current limit generator differentially to a source of bias voltage, rectifier means connected in circuit relation with the armature of the current limit generator to oppose the flow of current produced by said differentially connected field winding, and switch means operable to selectively connect the armature of the current limit generator in circuit relation with another one of the field windings of said generator means, said switch means being selectively responsive to the direction and value of the armature current of the dynamoelectric machine.

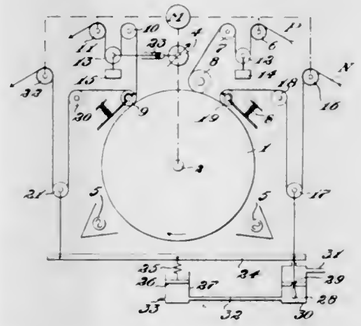
2,586,285
LIGHTNING ARRESTER
Otto Ackermann, Irwin, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 14, 1949, Serial No. 93,261
11 Claims. (Cl. 175—30)

4. A lightning arrester comprising a housing of insulating material, a plurality of spark-gap devices and a plurality of valve-type resistance blocks disposed in a column in the housing, diaphragms closing both ends of the housing, a spacer member between each end of said column and the adjacent diaphragm, each of said spacer members engaging the adjacent diaphragm near its periphery and having means for effecting rupture of the diaphragms in response to excessive axial pressure applied through the column, and baffle members at both ends of the housing for directing gas escaping from each end of the



housing substantially axially of the housing toward the other end.

2,586,286
FILM REGISTERING AND PRINTING APPARATUS
John M. Andreas, Pasadena, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of California
Application April 3, 1948, Serial No. 18,759
9 Claims. (Cl. 95—75)



1. In the art of printing cinematographic film, the combination of a smooth drum about which two films may be fed in superposition throughout an arc which is many times as long as the width of the film and in which one film is printed from the other, means guiding the films to and from the drum at the opposite ends of said arc, feed-on sprockets meshing with the films before they reach the drum and take-off sprockets meshing with the films after the films leave the drum respectively, means for driving the sprockets in unison such that they turn at the same tooth speed, the paths of one film between the drum and its adjacent feed-on and take-off sprockets being longer than the distances between the drum and sprockets respectively to provide loops therebetween, and means for maintaining in said two loops approximately equal tensions to stretch the film substantially to the same pitch as the other film.

2,586,287

ALUMINUM SULFAMATE ANTIPERSPIRANT PREPARATION

Lester Donald Apperson, Convent Station, and Earl Leroy Richardson, Fair Lawn, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Original application December 11, 1948, Serial No. 64,905. Divided and this application October 26, 1950, Serial No. 192,378

7 Claims. (Cl. 167—90)

6. A cosmetic preparation for inhibiting or retarding perspiration comprising an emulsion of an oleaginous phase and an aqueous phase, and including therein aluminum sulfamate in an effective amount from about 5 to about 50% by weight to inhibit perspiration upon application of said preparation to human skin.

2,586,288

ALUMINUM SULFAMATE ANTIPERSPIRANT

Lester D. Apperson, Convent Station, and Earl Leroy Richardson, Bound Brook, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application December 11, 1948, Serial No. 64,905

9 Claims. (Cl. 167—90)

1. A perspirant inhibiting or retarding preparation comprising an aluminum salt of sulfamic acid in an effective amount from about 5 to about 50% by weight, said aluminum salt having a tendency to discolor cellulosic fibers, and in an amount sufficient to inhibit said discoloration an organic nitrogen compound selected from the class consisting of (*a*) amides which are neutral and contain the functional group

$$-\overset{\overset{O}{\|}}{C}-NH_2$$

(*b*) amino carboxylic acids which contain the functional group $\equiv C-NH_2$, and (*c*) compounds which are salts of non-hydroxy non-mercapto saturated carboxylic acids and ammonia bases, said compound being soluble in aqueous aluminum sulfamate and not precipitating therefrom a compound containing aluminum.

2,586,289

ZINC SULFAMATE ANTIPERSPIRANT

Lester D. Apperson, Convent Station, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application May 3, 1949, Serial No. 91,217

4 Claims. (Cl. 167—90)

2. A cosmetic preparation consisting essentially of oleaginous phase, an aqueous phase having zinc sulfamate dissolved therein in an effective amount from about 5 to 60% by weight to inhibit or retard perspiration when the preparation is applied to human skin, and surface active material to hold said phases in stable emulsion, said surface active material having a long aliphatic chain.

2,586,290

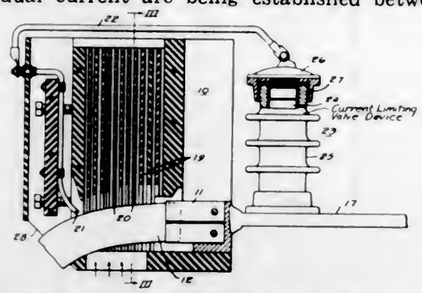
CIRCUIT INTERRUPTER

Benjamin P. Baker, Turtle Creek, and Thomas E. Browne, Jr., Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 1, 1947, Serial No. 783,602

3 Claims. (Cl. 200—146)

1. A circuit interrupter including a relatively stationary contact, a movable contact separable from the stationary contact to establish a main current arc, a probe disposed adjacent the path of movement of the movable contact, a resistance, a condenser, means electrically connecting the resistance and condenser in electrical series between the probe and stationary contact, and a residual current arc being established between



the probe and the movable contact near the end of the opening operation, the main current arc being extinguished prior to the extinction of the residual current arc, and the residual current arc being thereafter extinguished to finally interrupt the electrical circuit.

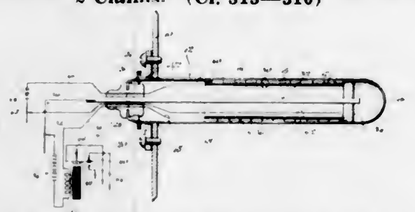
2,586,291

ELECTRONIC TEMPERATURE CONTROL

Joseph L. Bender, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application December 11, 1948, Serial No. 64,796

2 Claims. (Cl. 313—310)



1. A device to be used for sensing temperature in an electric circuit which is to be responsive to temperature changes in a high temperature medium which comprises an evacuated envelope to be submerged in the high temperature medium, means forming a cathode disposed against the inside surface of said envelope, said cathode having the characteristic of emitting electrons at a high temperature, an anode disposed within said envelope and spaced from said cathode, electric heating means within said envelope for heating said cathode to a temperature slightly below the temperature at which electrons are emitted by said cathode when the temperature of said medium is below that at which said circuit is to be responsive but sufficiently so that when the temperature of said medium rises to the point where the circuit is to be responsive the lower rate of heat loss from said heating means to said medium will enable said heating means to heat said cathode to a temperature above that at which electrons are emitted by said cathode.

2,586,292

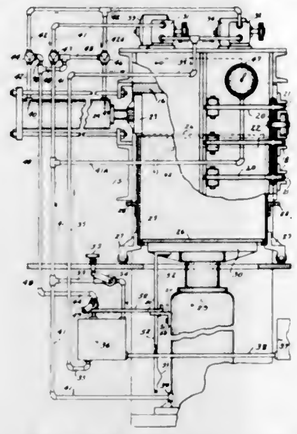
EXTRACTOR

Meyers M. Berger, Youngstown, Ohio, assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware

Application April 12, 1945, Serial No. 587,961

6 Claims. (Cl. 68—241)

1. An extractor consisting of a box-like structure having an access opening and a hinged closure therefor, a bed plate positioned in the upper portion of the said extractor and a vertically positioned hydraulic ram positioned in the lower portion of the said extractor, the face plate of the said vertically positioned hydraulic ram forming the normal floor of the said extractor, and a horizontally positioned hydraulic ram, the face plate thereof forming a wall of the said



extractor adjacent the bed plate thereof, the said extractor adapted to receive a receptacle containing wet laundry and so formed as to enable the vertically positioned hydraulic ram to rise upwardly through the said receptacle thereby compressing the said laundry against the said bed of the extractor at a point above the said receptacle.

2,586,293

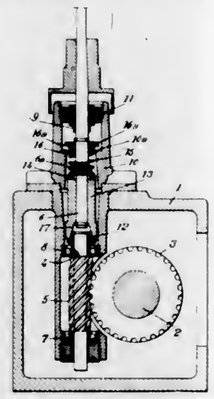
SPINNING SPINDLE MECHANISM, IN PARTICULAR OF THE WORM AND WORM WHEEL DRIVE TYPE

Louis Birkigt, Versoix-Geneva, Switzerland, assignor to Hispano Suiza (Suisse) S. A., Geneva, Switzerland, a society of Switzerland

Application February 21, 1951, Serial No. 212,118

In Luxemburg February 27, 1950

5 Claims. (Cl. 57—102)



1. A spinning spindle mechanism which comprises, in combination, a casing, a cop carrying spindle journaled with respect to a wall of said casing, means in said casing for guiding and driving said spindle, said spindle being slidable in the direction of its axis with respect to said casing, means interposed between said casing and said spindle for yieldingly opposing axial sliding of said spindle toward said casing, and abutment means respectively carried by said spindle and said casing for positively limiting the sliding displacements of said spindle toward said casing.

2,586,294

YARN TWIST DISTRIBUTING MACHINE

Madison H. Briscoe, Athens, Ga., assignor of one-third to E. B. Hudson, one-third to N. H. Thompson, Jr., and one-third to Madison H. Briscoe, partners, doing business as The Circular Banding Co., Athens, Ga.

Application June 13, 1950, Serial No. 167,706

3 Claims. (Cl. 57—21)



1. The method of twisting together the loops of the hard end and soft end of a length of cordage in the formation of an endless belt, consisting in interlocking the loops of the hard and soft ends of the cordage together temporarily uniting the ends of the cordage, subjecting the temporarily united ends of the cordage to a twisting action in the direction of the natural twist at the hard end of the cordage, untwisting the strands of the soft end of the cordage, continuing the twisting operation of the connected ends of the cordage in the direction of the natural twist of the cordage until the ends of the cordage are securely twisted together.

2,586,295

RECOVERY OF NITROGENOUS AND OTHER COMPOUNDS

Robert J. Brown, Alpheus R. Nees, and Arthur N. Bennett, Denver, Colo., assignors to The Great Western Sugar Company, Denver, Colo., a corporation of New Jersey

No Drawing. Application August 9, 1946, Serial No. 689,518

8 Claims. (Cl. 260—501)

1. A process for obtaining nitrogenous organic compounds including mono-amino acids from an impure aqueous solution containing the same in admixture with organic and inorganic impurities, which comprises passing such aqueous solution through a bed of cation exchanger material operable in the hydrogen cycle which adsorbs said nitrogenous organic compounds and inorganic impurities in preference to the organic impurities, discontinuing the passage of the solution through the bed before the adsorption of inorganic cations causes a reduction in the amount of adsorbed nitrogenous compounds, and thereafter passing a dilute solution of ammonia through the exchanger material thereby desorbing the adsorbed nitrogenous organic compounds and leaving inorganic compounds therein.

2,586,296

RATCHET MECHANISM FOR WRENCHES, SCREW DRIVERS, AND THE LIKE

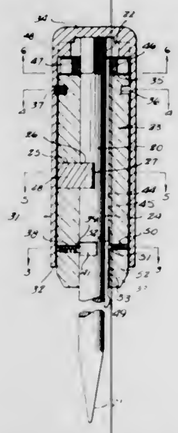
Roe V. Browning and Cecil F. Badgley, Bozeman, Mont.; said Badgley assignor of twenty-five per cent to Ottley R. Tschache and twenty-five per cent to J. W. Tschache, both of Bozeman, Mont.

Application September 9, 1949, Serial No. 114,850

7 Claims. (Cl. 192—48)

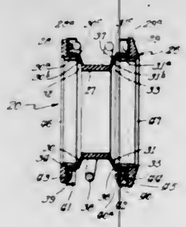
7. Ratchet mechanism comprising a rod provided in its side with a recess and having op-

posed converging flat faces, an intermediate sleeve mounted upon the rod for limited rotation and having a first side opening adjacent to said recess and a second side opening adjacent to said flat faces, a means mounted within said second side opening and engageable alternately with the flat faces, spring means operatively connected to said means for urging the latter into contact with either of said flat faces, an outer handle sleeve rotatably mounted upon the intermediate



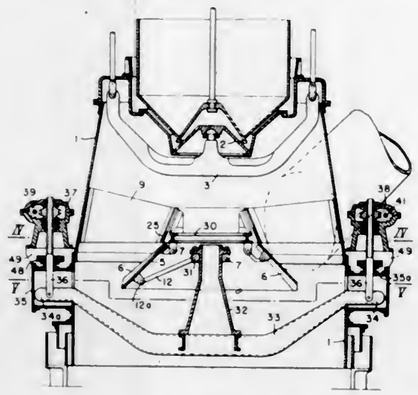
sleeve, a key element mounted within the recess of the rod and first side opening of the intermediate sleeve and adapted to shift radially into engagement with the side of the outer handle sleeve when the rod is turned, the key element holding the rod and intermediate sleeve against relative longitudinal movement, and means connecting the intermediate sleeve and outer handle sleeve and preventing relative longitudinal movement thereof.

2,586,297
SEALING UNIT
Olin Brummer, Oak Park, Ill.
Application March 7, 1945, Serial No. 581,515
7 Claims. (Cl. 286—11)



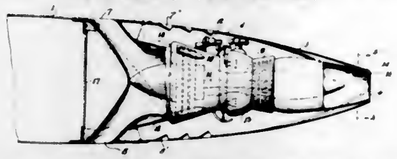
7. A sealing device, comprising, a sleeve-like body including a resilient distortable annular portion, a flange-like face part at one end of the body, a cylindrical connecting part between said face part and said distortable portion, a metallic cylindrical ring snugly received in said cylindrical connecting part reinforcing said cylindrical connecting part and said face part, a helical coil spring carried by said body pressing against said face part, a spring clip interposed between said spring and said face part, said clip having a cylindrical flange portion cooperating with said cylindrical ring to reinforce said cylindrical connecting part and said face part.

2,586,298
DISTRIBUTING DEVICE FOR THE CHARGE OF SHAFT FURNACES
Max A. Brun, Rombas, and Léon F. Sauvage, Homecourt, France, assignors to Compagnie des Forges et Acieries de la Marine et d'Homecourt (Societe Anonyme), Paris, France, a company of France and Societe Lorraine des Acieries de Rombas (Societe Anonyme), Paris, France, a company of France
Application July 15, 1948, Serial No. 38,914
In France July 25, 1947
4 Claims. (Cl. 214—36)



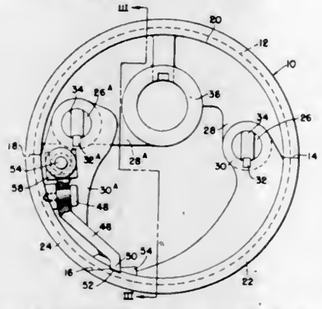
1. Device for the distribution of materials introduced into a shaft furnace provided with a bell, comprising means including a stationary circular beam coaxial with said bell and secured to the top of said furnace through radial brackets, for supporting inside said top an even number of panels located below the lower part of the bell and disposed along a circumference coaxial with the vertical axis of said bell, alternate panels being plane, regularly spaced apart and adapted to be pivoted at their upper part on said supporting means for taking a variable slope, the others of said panels having a dihedral form and being adapted to be pivoted at their upper part on said supporting means for taking a variable slope, their dihedron ridge being adapted to move in a vertical radial plane, said dihedral panels being adapted to overlap partly said plane panels whatever be the slope given to said plane panels, means for controlling from outside the furnace the slope of said plane panels, an elongated horizontal beam extending along a diameter of the top of the furnace and having a greater length than said diameter, both ends of said elongated beam passing through the wall of said top and being confined in lateral boxes diametrically opposed and secured on the outer side of the wall of said top, rods passing through the upper walls of said boxes and adapted to hold up the ends of said elongated beam, a column vertically secured to said elongated beam and coaxial with said top and the bell of the furnace, connecting rods radially disposed connecting each plane panel to said column, each connecting rod being pivoted close to the lower part of one of said panels, and a mechanism for moving up and down said horizontal beam, whereby the slope of said panels is simultaneously modified.

2,586,299
AIRPLANE PROVIDED WITH JET PROPULSION MEANS
Vincent J. Burnelli, Englewood, N. J.
Application September 11, 1945, Serial No. 615,521
5 Claims. (Cl. 244—15)



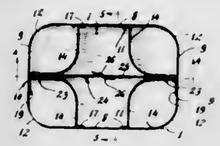
1. In an airplane, a lifting fuselage having a substantially full width trailing edge portion and formed with an opening through its trailing edge, and a series of jet engine units installed in said trailing edge portion in spaced spanwise relation to each other with their exhaust exits at said trailing edge, said engine units being spaced from the upper and lower inner surfaces of the trailing edge portion of said lifting fuselage to provide a space between said fuselage surfaces and said engine units, and the walls of the trailing edge portion of said lifting fuselage being provided with openings, whereby air from the surrounding atmosphere is enabled to enter said space through said openings and to exhaust through the trailing edge of said fuselage for cooling said engine units.

2,586,300
COLLAPSIBLE V-BELT MOLD
John F. Campbell, Cuyahoga Falls, Ohio
Application August 7, 1947, Serial No. 766,903
15 Claims. (Cl. 18—34)



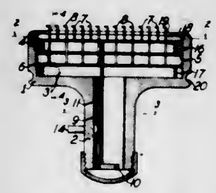
1. A collapsible mold for V-belts and the like including a substantially cylindrical body portion having a plurality of grooves in its periphery, each groove being adapted to receive a V-belt, said body being split longitudinally into three parts, namely, one stationary sector, and two movable sectors, hinge means at each longitudinal edge of the stationary sector and pivotally securing a movable sector thereto, the unhinged edges of the movable sectors mating when the sectors are in expanded position, lever means carried by a movable sector and movable to and from locking engagement with the other movable sector with the sectors in expanded position, longitudinally extending rod means slidably journaled in the movable sector carrying the lever means for operating the lever means, said hinge means including hinge pins fixed to the movable sectors and journaled in the stationary sector, said hinge pins extending to a position adjacent the end of the mold from where they can be operated by external means, and means associated with the stationary sector for receiving a support shaft for the mold.

2,586,301
FOLDABLE CARDBOARD BOTTLE CARRIER
Eli N. Castle, South Orange, N. J.
Application January 10, 1950, Serial No. 137,813
5 Claims. (Cl. 229—28)



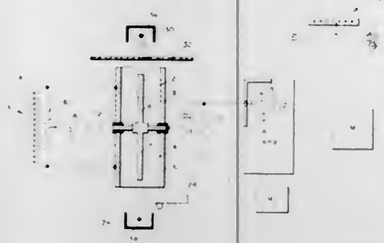
1. A carrier comprising a bottom, side walls united with opposite side edges of said bottom and having end portions free from the bottom and extending longitudinally therefrom and bent towards each other across ends of the bottom and meeting midway the width of the bottom and forming end walls of the carrier, the said free portions of the walls being bent inwardly at their intersection with each other and forming partitions bent transversely of the bottom and secured at their ends to inner faces of the side walls, the said partitions having tongues cut therefrom and secured against portions forming the end walls, and the partition-forming portions at one side having extensions along their inner sides partially severed therefrom and bent upwardly and forming end portions of a longitudinal partition, the said side extensions having outer ends secured between ends of the transverse partitions and having inner ends cut to form tongues detachably engageable with each other to releasably secure the said side extensions in overlapped partition-forming engagement with each other, and said bottom being foldable transversely along a fold line midway its width to reduce the carrier to a folded position disposing the transverse partitions and the rear wall forming partitions longitudinally of the carrier and in engagement with each other.

2,586,302
DEVICE FOR DARNING PURPOSES
Dusinus Peder Christensen, Aalborg, Denmark
Application December 22, 1947, Serial No. 793,172
In Denmark December 23, 1946
6 Claims. (Cl. 139—33.5)



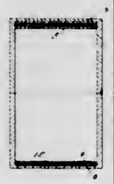
1. A device for darning and repairing woven fabrics comprising a head member provided with a handle member, said head member having a hollow portion therein, a pair of supporting bars each provided with a row of needles, said supporting bars being movably mounted in the hollow portion in the head member and being biased to urge them in positions to normally expose and extend the needles from the hollow portion in the head, and means in the handle member to actuate the supporting bars to draw the needles into the hollow portion in the head against the biasing action.

2,586,303
RADIATION TYPE THICKNESS GAUGE
Eric T. Clarke, Lexington, Mass., assignor to Tracerlab, Inc., Boston, Mass., a corporation of Massachusetts
Application January 4, 1951, Serial No. 204,417
5 Claims. (Cl. 250—83.3)



4. A radiation type thickness gauge for A. C. operation, comprising a pair of ionization chambers connected in opposition to each other, means for impressing an A. C. collecting field on each of said chambers, means for continuously balancing the capacitative currents flowing in said chambers, means for irradiating said chambers with beams of similar penetrative radiations, one of said beams being attenuated by the material being measured, and calibrated means for adjusting the intensity of one of said beams until the ionization current outputs of said chambers balance each other, whereby the position of said calibrated means will be a measure of the thickness of said material.

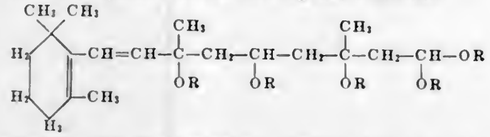
2,586,304
PROTECTION OF PHOSPHORS FROM ATTACK BY ALKALI VAPORS
John W. Coltman and Richard L. Longini, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 12, 1948, Serial No. 32,586
8 Claims. (Cl. 250—80)



1. An electron discharge tube comprising a vacuum-tight container having a light-emitting screen comprising particles of an electron phosphor each enveloped by coating of a metallic oxide individual to it.

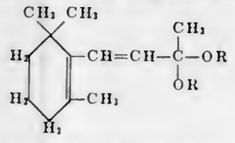
2,586,305
SYNTHESIS OF VITAMIN A AND INTERMEDIATES THEREFOR
John William Copenhaver, Short Hills, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 26, 1949, Serial No. 123,787
15 Claims. (Cl. 260—611)

1. In a process for the synthesis of vitamin A or of an intermediate therefor, the steps which comprise reacting beta-ionone with an ortho-carboxylic acid ester to form a beta-ionone ketal, condensing the resulting ketal successively with 1 molecule of a vinyl ether, 1 molecule of an isopropenyl ether and 1 molecule of a vinyl ether, to form a polyether acetal having the formula:



wherein the R's represent hydrocarbon groups, and simultaneously dealcoholizing and hydrolyzing said polyether acetal to form a polyolefinic aldehyde, which yields vitamin A upon reduction with an aluminum alcoholate of a secondary alcohol.

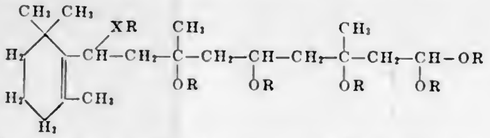
12. A compound of the general formula:



wherein R represents the hydrocarbon radical of an alcohol.

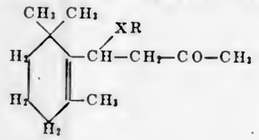
2,586,306
SYNTHESIS OF VITAMIN A AND INTERMEDIATES THEREFOR
John William Copenhaver, Short Hills, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 26, 1949, Serial No. 123,788
19 Claims. (Cl. 260—611)

1. In a process for the synthesis of vitamin A or of an intermediate therefor, the steps which comprise condensing a compound of the group consisting of alcohols and mercaptans with β-ionone, wherein olefinic double bond saturation occurs by addition of said compound at least at the exonuclear olefinic double bond of the β-ionone, reacting the resulting addition product with an ortho-carboxylic acid ester to form a ketal, condensing the resulting ketal successively with 1 molecule of a vinyl ether, 1 molecule of an isopropenyl ether, and 1 molecule of a vinyl ether to form a polyether acetal having the formula:



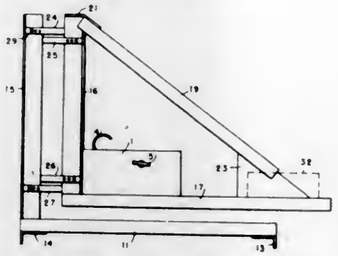
wherein X represents a member of the group consisting of oxygen and sulfur, and the R's represent hydrocarbon groups, and subjecting said polyether acetal to hydrolyzing and dealcoholizing treatment to form a polyolefinic aldehyde corresponding to vitamin A, which yields vitamin A upon reduction with an aluminum alcoholate of a secondary alcohol.

15. A compound of the general formula:



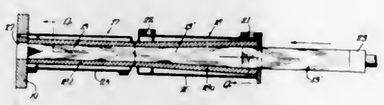
wherein X represents a member of the group consisting of oxygen and sulfur, and R represents the hydrocarbon radical of an alcohol.

2,586,307
SEISMIC FRAME STRUCTURE
Charles E. Crede, Winchester, Mass., assignor to The Barry Corporation, Cambridge, Mass., a corporation of Massachusetts
Application July 21, 1949, Serial No. 105,945
2 Claims. (Cl. 346—7)



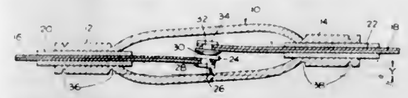
1. A frame structure for a vibrograph, comprising a base, a column projecting from said base and being rigidly attached thereto, a pendulous arm structure having a member parallel to said coulmn, crossed leaf spring hinge means connecting said member with said column to confine said arm structure to pivotal movement about a fixed hinge axis, said arm structure having a vibrograph-supporting surface close to the hinge axis and having a weight-receiving surface remote from said axis.

2,586,308
METHOD OF MAKING SHUTTLE BLOCKS
John Ross Curtis, Nashotah, Wis.
Application June 2, 1948, Serial No. 30,614
4 Claims. (Cl. 144—309)



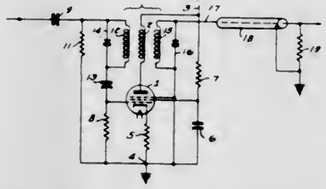
1. The process of making shuttle block blanks which comprises immersing said blanks for a period of the order of two hours in a solution containing linseed oil, turpentine and a naphtha petroleum solvent, applying a pressure of from six to twelve tons longitudinally of each blank for moving said blank in the direction of the longitudinal axis thereof, applying a reducing force transversely of the direction of movement of said blank, maintaining a confining force transversely of the moving blank in a direction substantially at right angles to the direction of both said movement and said reducing force thereby to reduce the cross sectional area of the blank by reducing only one dimension of said cross section while maintaining the other dimension constant, heating said shuttle block blank to a temperature of the order of 225° F. while reducing said cross sectional area, and cooling said blank while maintained at said reduced cross sectional area to cause said blank to maintain said reduced cross section when said forces are no longer applied.

2,586,309
DOUBLE ARM THERMOSTAT
George Franklin Dales, Akron, Ohio, assignor of forty-nine per cent to Alton R. Wells, Akron, Ohio
Application January 13, 1950, Serial No. 138,381
3 Claims. (Cl. 200—138)



3. A thermostat including a tubular casing, a pair of bi-metal strips, one strip extending into each end of the casing, mating contact points on adjacent strip ends, said contact points being adapted to contact each other with the thermostat at a calibrated temperature, insulation around each strip adjacent the casing ends, the ends of the casing being flattened and compacted around the insulation and strips, and a substantially equal angle between each flattened and compacted end of the casing and the center line of the unflattened portion of the casing.

2,586,310
BLOCKING OSCILLATOR
Everett C. Dill, Arlington, S. Dak., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1948, Serial No. 11,919
3 Claims. (Cl. 250—36)

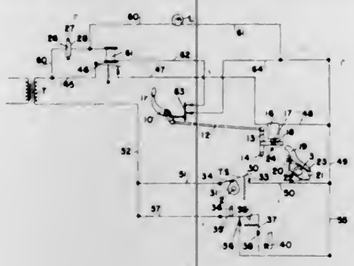


1. In combination with an electrical discharge tube having an anode, a cathode and a control electrode, a primary winding in series with said anode, a secondary winding coupled to said primary winding and connected in series with a capacitor and said control electrode and a source of control voltage, a load circuit also coupled to said primary winding, and a unilaterally conductive device connected in shunt across the terminals of said secondary winding, the polarity of said unilaterally conductive device being such as to effectively short circuit said secondary winding when the voltage induced therein by said primary winding tends to impress a negative voltage upon said control electrode.

2,586,311
COMBINED ELECTRIC PROTECTION AND WARP STOP FOR LOOMS
Raymond F. Dion, Leominster, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 3, 1950, Serial No. 153,687
9 Claims. (Cl. 139—341)

1. In stopping means for a loom operating with a shuttle, loom protection electric circuit means normally closed when the shuttle is running properly, a normally energized electro-magnetic

device in said protection circuit means, loom stopping mechanism controlled by the device effective to stop the loom when the device is deenergized, normally open warp stop electric circuit means closed upon occurrence of a warp fault, and normally closed switch means in said



protection circuit means controlled by the warp stop circuit means and opened when the latter circuit means is closed to open the protection circuit means to effect deenergization of said device and thereby enable the stopping mechanism to stop the loom.

2,586,312

POLYPHOSPHONITRILIC ESTERS AND THEIR PREPARATION

Binyamin Refael Dishon and Frieda Goldschmidt, Rehovoth, Palestine; Irene E. Dishon and Walter (Yehuda) Deutsch, administrators of said Binyamin R. Dishon, deceased

No Drawing. Application February 4, 1948, Serial No. 6,338
15 Claims. (Cl. 260—2)

11. Polyphosphonitrilic esters, being substances of high polymeric character prepared by the interaction at room temperature of high-molecular polyphosphonitrilic chlorides of rubber-like consistency with a liquid mixture of pyridine and a monovalent aliphatic alcohol free from groups, other than its alcoholic hydroxyl group, capable of reacting with the chlorine contained in the polyphosphonitrilic chloride, both the alcohol and pyridine being used in amounts at least equal to the stoichiometric equivalents required for respectively replacing the chlorine contents of the polyphosphonitrilic chloride and binding the hydrogen chloride thereby produced.

2,586,313

GAS TESTING INSTRUMENT

James G. Dwyer, Deerfield, Ill., assignor to F. W. Dwyer Mfg. Co., a corporation of Illinois

Application October 27, 1947, Serial No. 782,329
5 Claims. (Cl. 23—254)

1. In a gas testing instrument, a body member having a relatively large-diameter cylindrical bore, and a relatively small-diameter cylindrical bore connected adjacent their lower ends to form the large and small arms respectively of a manometer tube adapted to contain a liquid reagent, a cap tightly fitting the body member and sealing the upper ends of both arms from the atmosphere, said cap having a first passage interconnecting the top portions of said arms and a second passage placing said upper ends of the arms in communication with the atmosphere, and valve means located in said first and second passages and adapted to selectively place the upper ends of both arms in communication with the atmosphere or seal said ends of the arms from the atmosphere, said cap also having a valved gas



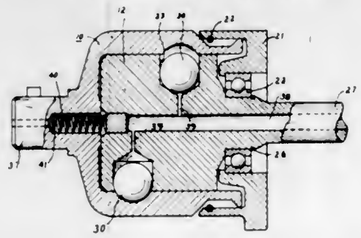
inlet passage leading to the interior of said body member.

2,586,314

ROLLER DEVICE IMPACT CLUTCH

William M. Emery, Summit, N. J., assignor to The Rotor Tool Company, a corporation of Ohio

Application February 7, 1945, Serial No. 576,643
2 Claims. (Cl. 192—30.5)



1. In an intermittent rotary impact clutch, the combination of a revolvable hammer member having walls defining a bore, an anvil member having at least an abutment in alignment with the said bore, an intermediate ball member inserted in said bore for movement under centrifugal forces therein to engage said abutment when the hammer member revolves, means to direct air under pressure into said bore behind said intermediate ball member to supplement said centrifugal forces.

2,586,315

TREATMENT PROCESS FOR HYPEREUTECTIC CAST IRONS

Eugene Eyt, Pamiers, Ariege, and Léonce Reygagne, Decazeville, Aveyron, France, assignors to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France, a company of France

No Drawing. Application February 17, 1950, Serial No. 144,845. In France March 30, 1949
2 Claims. (Cl. 75—43)

1. In a treatment process for lowering the carbon content and the silicon content of raw hypereutectic iron, the pouring of said hypereutectic iron from a blast-furnace; the addition to said liquid hypereutectic iron of a mixture of low carbon iron and iron oxide in a relatively

divided state; and the melting of said mixture by the heat which is contained in [illegible]cess in said hypereutectic iron owing to the l[illegible]ering of its solidification point when its carbon content decreases.

2,586,316

3,3'-METHYLENEBIS(4-HYDROXYBENZENEARSONIC ACID) AND A METHOD FOR ITS PRODUCTION

Herman E. Faith, New Palestine, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo., a corporation of Delaware

No Drawing. Application June 23, 1950, Serial No. 170,035
3 Claims. (Cl. 260—442)

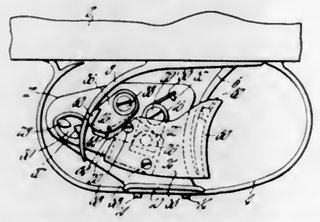
1. The compound 3,3' - methylenebis(4 - hydroxybenzenearsonic acid).

2,586,317

UNITARY DEVICE FOR SELECTIVELY ACTUATING MULTIPLE TRIGGERS

Walter M. Fay, Ludlow, Mass.

Application March 8, 1950, Serial No. 148,390
1 Claim. (Cl. 42—42)



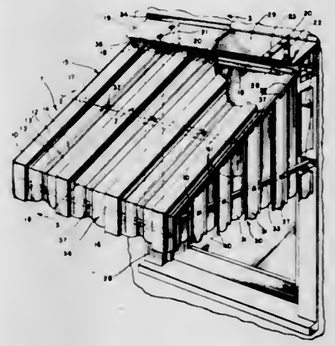
A trigger operating mechanism for securement to the trigger guard of a firearm having separate forward and rear triggers within said guard comprising in combination, a support having a horizontal foot portion for securement to a trigger guard and a left plate portion extending vertically upwardly from a left longitudinal edge thereof, a guide fixed to and extending outwardly to the right from said plate portion adjacent a rear end thereof being in cross section of greater length horizontally than of vertical thickness and having upper and lower sides converging forwardly, an elongated selector having forward and rear ends and extending generally horizontally at the right of the plate portion of said support, pivotal connections between the rear end of said selector and said plate portion for substantially horizontal swinging movements of said actuator forward and back between forward cocked position and rear firing positions of said triggers and for up and down tilting movements of the rear and forward ends of said actuator in back and forth movements thereof, the rear end of said selector provided with an opening loosely surrounding said guide and having a rearwardly directed pilot extending from the forward side of said opening for engaging and traversing the upper or lower side of said guide for guiding the opposite ends of the selector up or down as it is swung rearwardly, means for urging said selector forwardly, a rear trigger actuator pivoted to said left plate adapted to be swung forwardly by a rear trigger and a stop carried by said left plate engageable by said actuator to limit forward movements thereof, a forward trigger actuator secured to said selector having a finger engaging portion for disposition forwardly of a forward trigger and a trigger member for engaging a forward trigger, said selector and rear trigger actuator provided with operable engageable means, all adapted and arranged whereby the finger engaging portion of the forward trigger actuator may be tilted up or down and moved rearwardly so that a forward trigger is operated by said trigger member or the rear trigger is operated by said rear trigger actuator through the engaging means of said selector and rear trigger actuator.

2,586,318

AWNING STRUCTURE

Frank Fields, Chicago, Ill., assignor to Enduro Metal Awning Corporation of America, Charleston, W. Va., a corporation of West Virginia

Application August 13, 1948, Serial No. 44,115
4 Claims. (Cl. 20—57.5)



1. A metal fabricated awning structure comprising, an awning including a top apron and side aprons, awning attaching channel means secured to the upper free edge of the said top apron, and top apron support brackets securable to a building structure provided with awning grip portions for removably engaging the said awning channel attaching means, the said side aprons including a fastening channel, and a multiplicity of metal strips having flanged edges secured to the said channel in alternate inverse and oppositely disposed relationship with respect to the said channel, the said flanged edges being in superimposed relationship to afford oblique circulation of air currents, the said top apron including units each consisting of a channel strip having outwardly flanged right and left slat strips each having a seamed edge and a flat edge, a dually seamed connector strip interconnecting the flat edges of the said right and left slat strips, one of the said flanged edges being secured to a seamed edge of one of the said slat strips, an edging angle having a seamed edge secured to one of the said units forming an end awning assembly, and reinforcing channel means rigidly securing the said unit and end awning assembly.

2,586,319

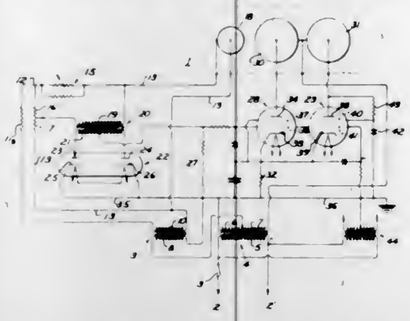
ELECTRIC DEVICE CONTINUITY TESTER

Alton G. Foote, Wickliffe, Ohio, assignor to General Electric Company, a corporation of New York

Application February 24, 1948, Serial No. 10,355
4 Claims. (Cl. 175—183)

1. Testing apparatus for indicating the acceptability of electrical elements on the basis of limited deviation from a predetermined impedance, comprising a Wheatstone bridge having four impedance arms symmetrically disposed between two pairs of conjugate points, three of said arms having known values, and the fourth con-

sisting of terminals for receiving one of said elements, means for applying an alternating voltage across one of said pairs, a rectifying system connected across the other of said pairs for developing a unidirectional output voltage of negative polarity proportional to said deviation, a pair of electron discharge tubes each having an anode, a cathode, and a control electrode, operating circuits for said tubes comprising individual indicating devices connected in series with their respective anodes to one side of a source of alternating voltage, and a single impedance connecting said cathodes in common to the other side of said source, a connection for applying said output voltage to one of said control electrodes, and a phase shift network for applying a phase retarded alternating voltage to the other of said control electrodes.

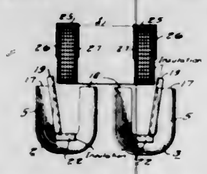


2,586,320

METHOD OF MAKING CORE AND COIL ASSEMBLIES

James G. Ford, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 13, 1948, Serial No. 20,703
4 Claims. (Cl. 29—155.58)



1. The method of making a core and coil assembly for an induction device comprising winding a strip of thin magnetic steel to form a closed loop having a plurality of turns, impregnating the loop of magnetic material with resinous bonding material, baking the impregnated loop of magnetic material to harden the resinous bonding material to bond the turns of magnetic material to one another to form a solid core, cutting the bonded core loop transversely at two places to provide two substantially U-shaped core sections, disposing one of the U-shaped sections with its legs extending upwardly, placing a preformed electrical winding, carrying conventional insulating materials which will not soften or spread at temperatures below 120° C. and from which pieces of insulation may be cut by the sharp edges of a core section during assembly, with a portion of the winding turns disposed between the upwardly extending legs of said core section, placing a sheet of thermoplastic resinous material having a melting or softening point below 120° C. over the upper end of the preformed electrical winding and extending it downwardly below the ends of the upwardly extending legs of the core section, placing the second core section over the winding with the cut surfaces of the two core sections meeting to form butt joints, and placing a resilient band of metal under tension around said loop to maintain a pressure between the faces forming the butt joints.

2,586,321

THERMAL STARTING SWITCH

Ted E. Foulke, Chagrin Falls, Ohio, assignor to General Electric Company, a corporation of New York

Application May 7, 1948, Serial No. 25,688
6 Claims. (Cl. 200—122)



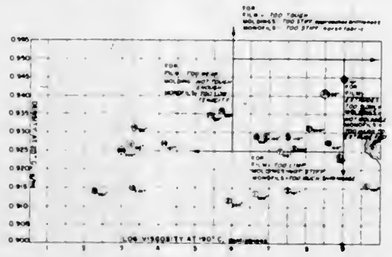
2. A thermal switch comprising a pair of thermally-deformable members mounted in ambient temperature compensating relationship for maintaining a normally constant spatial interval therebetween, a heater element mounted in heat transfer relationship with one of said members for actuation thereof, a pair of cooperating contacts carried by said members, and means for delaying both the opening and the closing of said contacts comprising a permanent magnet and a cooperating armature carried by respective ones of said members, said magnet and armature having cooperating portions disposed to attract and hold each other in either position of said one member corresponding to the open and closed contact positions of said members.

2,586,322

PROCESS FOR CONTROLLING CHAIN BRANCHING DURING ETHYLENE POLYMERIZATION

William A. Franta, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

Application June 3, 1950, Serial No. 165,925
2 Claims. (Cl. 260—94.9)



1. In a process for the preparation of a homopolymer of ethylene having a density between 0.925 and 0.950, a stiffness greater than 30,000 p. s. i. and a $\log_{10}$ melt viscosity in centipoises at 190° C. of between 6 and 9, the step which comprises polymerizing ethylene at a temperature of approximately 140° C. under a pressure of approximately 1200 atmospheres, there being present during the polymerization per part by weight of ethylene 300 P. P. M. of benzoyl peroxide, 2.3 parts of water, 0.16 part of benzene and 0.04 part of cyclohexane.

2,586,323

INHIBITING CORROSION OF ALUMINUM CHLORIDE - HYDROCARBON COMPLEX LIQUID IN PRESENCE OF HCl PROMOTER WITH IODINE COMPOUNDS

William F. Glassmire and William R. Smith, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application May 27, 1948, Serial No. 29,654
9 Claims. (Cl. 260—666)

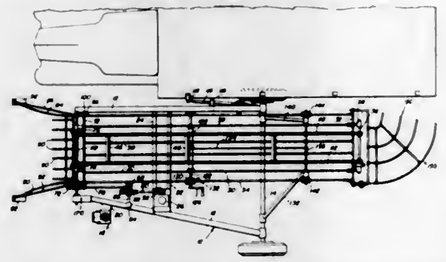
3. In a catalytic hydrocarbon conversion process wherein hydrocarbons are converted in the presence of an aluminum chloride-hydrocarbon complex liquid catalyst and hydrogen chloride promoter in a conversion zone comprising a metal-containing surface in direct contact with the catalyst liquid and normally subject to objectionable corrosion, the improvement which comprises incorporating in said catalyst liquid an iodine-containing corrosion inhibitor composed only of non-metal atoms and selected from the group consisting of iodine, hydrogen iodide and hydrocarbon iodides in an amount of 0.2 to 2.0% by weight based on the catalyst liquid effective to inhibit said corrosion.

2,586,324

HAY LOADING ATTACHMENT

Clarence C. Graves, Clinton, Okla.

Application March 8, 1948, Serial No. 13,650
2 Claims. (Cl. 214—83.26)



1. A package loading apparatus comprising a ramp, a wheel bearing frame, means for pivotally securing said ramp to said frame for movement about a horizontal axis, means for maintaining said ramp in selected pivoted positions, means pivoted to said frame for attaching said frame to a vehicle for movement in a vertical plane and about an axis parallel to said horizontal axis, said last mentioned means including a bar, and a guide secured to said frame for restricting the travel of said bar.

2,586,325

PRODUCTION OF ETHANOLAMINE

William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 1, 1947, Serial No. 765,653
3 Claims. (Cl. 260—584)

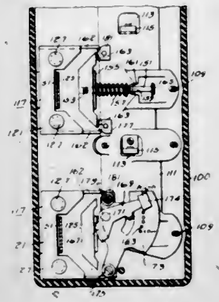
1. A process for the preparation of ethanolamine and diethanolamine which comprises passing into a reaction zone hydrogen, formaldehyde cyanhydrin, and per part by weight of the formaldehyde cyanhydrin from 4 to 20 parts of methanol, conducting the reaction therein in the presence of at least 25% by weight based on the formaldehyde cyanhydrin of a nickel-aluminum hydrogenation catalyst, prepared by extracting approximately 85% of the aluminum from the nickel alloy containing 48% nickel and 52% aluminum, the reaction being conducted at a temperature between 25 and 150° C. and a hydrogen pressure between 200 and 700 atmospheres and continuously withdrawing the ethanolamine and diethanolamine from the reaction zone.

2,586,326

CIRCUIT INTERRUPTER TRIP DEVICE

George G. Grissinger, Wilkinsburg, Ture Lindstrom, Edgewood, and Jerome Sandin, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 27, 1945, Serial No. 579,976
11 Claims. (Cl. 200—109)



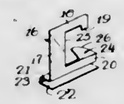
1. A trip device for a circuit interrupter comprising a tripping armature, a pole structure comprising a main fixed pole member disposed in front of said armature and a plurality of fixed auxiliary pole members disposed back of said armature to cause said pole structure to produce a differential pull on said tripping armature, an energizing winding traversed by the current of the circuit of the interrupter for energizing said pole structure, manual means for moving said tripping armature relative to said pole structure to vary the differential pull of said pole structure on said armature, a pivoted plate supporting said manual means, and means for adjustably positioning said plate to vary the initial setting of said manual means.

2,586,327

CEILING SUSPENSION CLASP HOOK

William J. Haertel, Oak Park, Ill.

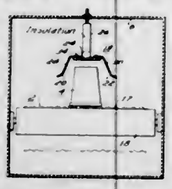
Application August 25, 1949, Serial No. 112,287
1 Claim. (Cl. 24—84)



A sheet metal ceiling suspension clip embodying spring-tongue locking means, comprising, a C-shape part including a base portion, an upright leg portion, an overhanging arm portion, and a hook portion depending from the outer end of said arm, said portions being all coplanar, a triangular shape spring-tongue integral with said base and projecting upwardly therefrom obliquely away from the plane of said C-shape part, said tongue having an outer edge extending obliquely in the plane of said tongue from said base to the apex of the tongue, the apex being substantially in the transverse vertical plane through the inner edge of said hook portion, whereby the tongue outer edge provides a cam for effecting a resilient depression of the

tongue when the clip is pressed onto a ceiling beam member by movement in a direction normal to the latter to receive the beam member in the C-shape part in locking engagement, the base of the C-shape part being extended at its lower edge laterally in both directions from the plane thereof to form a pair of overlapping flanges to receive a ceiling panel element.

2,586,328
DIELECTRIC HEATING ESPECIALLY FOR SPOOLS OF RAYON THREAD
Richard H. Hagopian, Halethorpe, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1948, Serial No. 4,998
3 Claims. (Cl. 219—47)



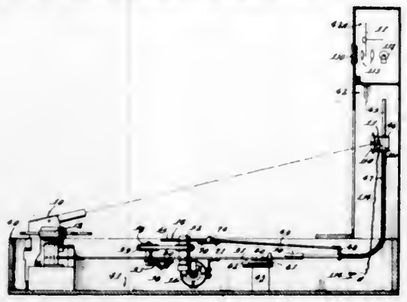
1. Dielectric heating apparatus of a type described comprising an electrode-means including a pair of spaced upstanding heating-electrode portions, a conveyor means providing a conveyor-belt and a further heating-electrode insulated from said pair of heating-electrode portions, a plurality of articles which have substantially greater length than breadth arranged in upstanding position on said conveyor-belt with said further heating-electrode therebelow, and arranged in such a manner that the upper portions of the articles only are successively passed between said portions.

2,586,329
AMINOPHYLLINE FATTY ALCOHOL SUPPOSITORY
Edward K. Harvill, Essex, Conn., assignor to Ernst Bischoff Company, Inc., Ivoryton, Conn., a corporation of Connecticut
No Drawing. Application October 26, 1948, Serial No. 56,680
3 Claims. (Cl. 167—64)

1. A suppository comprising aminophylline incorporated in a vehicle consisting essentially of an amount of a normally liquid higher fatty alcohol within the range of about 70% to 40% in admixture with an amount of a normally solid higher fatty alcohol within the range of about 30 to 60% to be solid at ambient temperature and melting at 37.5° C., and substantially free from esters of higher fatty acids.

2,586,330
LIGHT BEAM GUN
Earle G. Henry, Wilmette, and Leo L. Galinski, Chicago, Ill., assignors to Raymond T. Moloney, Chicago, Ill.
Application November 18, 1946, Serial No. 710,464
11 Claims. (Cl. 273—101.1)

1. In photoelectric aim apparatus, a rapid-fire light gun mounted for bi-manual aim adjustment in horizontal and vertical planes of movement, a manual control, including non-linear response cam and lever means for adjusting aim in either plane by rotative motion of the corresponding said manual control, one of said controls being movable longitudinally of its rotative axis also, a fire control switch actuated by longitudinal movement as aforesaid of said one control, a light source for said gun, an electrically controlled shutter operable responsive to rapid circuit interruptions to interrupt light from said source outwardly of the gun, and a rapid fire control cir-



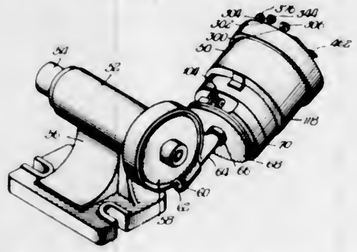
cuit including said fire control switch and relay means energized thereby and including rapid-fire circuit interruption connections with the winding of said relay means and timed by capacity connected with said winding such that the latter alters the time constant afforded by said capacity in said control circuit.

2,586,331
PICKLING INHIBITOR
William H. Hill, Mount Lebanon, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application May 1, 1946, Serial No. 666,519
19 Claims. (Cl. 252—149)

1. A condensation product of an aldehyde and a preformed thiocyanate salt of a tert-alkylol amine.

4. A cleaning and pickling composition for metal subject to atmospheric corrosion and for removing oxides and other corrosion products from surfaces of said metal, said composition comprising a pickling acid solution having dissolved therein a relatively small proportion of a reaction product of an aldehyde and a preformed thiocyanate of a basic amino compound selected from the class consisting of basic mono amines, said reaction product being soluble in said pickling acid solution in a proportion which inhibits dissolution of said metal by said acid.

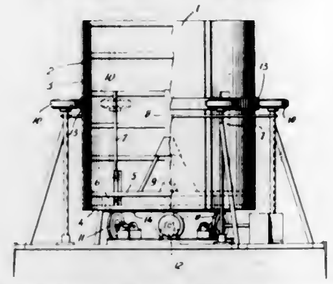
2,586,332
COMPUTING INDEXING MECHANISM
Sherwood Hinds, Columbia City, Ind., assignor of one-half to Robert J. Jauch, Fort Wayne, Ind.
Application February 27, 1947, Serial No. 731,315
12 Claims. (Cl. 90—57)



6. In a computing indexing device, the combination of a drive shaft, a train of constantly

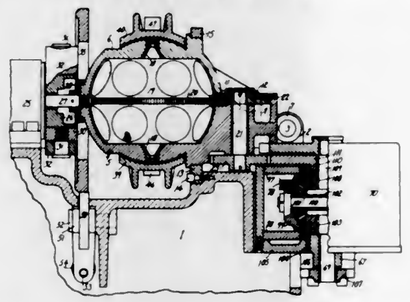
meshed driving gears connected to said drive shaft, shafts rotatable with said driving gears, a plurality of sets of selecting gears fixedly mounted on said second named shafts, the driving gears in each set being constantly in mesh, a driven shaft, differential means connecting the selecting gears of each set to said driven shaft whereby the effective movements from the selected gear of each set is transmitted to said driven shaft, setting means for connecting the selected of said selecting gears in each set to the differential mechanism, said last named means including stop mechanism for arresting movement of said driven shaft after it has rotated a predetermined amount, and means operative when said last named means is in a predetermined position for preventing movement of the associated set of selecting gears.

2,586,333
ROTATING AMUSEMENT CYLINDER
Ernst W. Hoffmeister, Hamburg, Germany
Application September 16, 1949, Serial No. 116,000
In Sweden December 21, 1948
3 Claims. (Cl. 272—46)



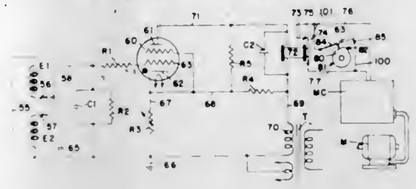
1. An apparatus for amusement purposes comprising an upright cylinder rotatable about its axis and having an opening through which a person may enter it, means for rotating said cylinder, a support movable within said cylinder, but connected to it for common rotation, to support said person above the bottom end of said cylinder prior to the rotation of said cylinder, and means for removing said support from supporting position during the rotation.

2,586,334
EQUATORIAL POLISHING GENERATOR
Arthur J. Holman, Brighton, N. Y.
Application April 2, 1947, Serial No. 739,011
24 Claims. (Cl. 51—73)



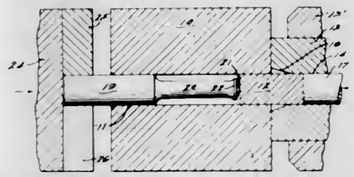
1. An equatorial polishing generator, comprising a cradle adapted and arranged to journal a spherical carrier for rotation and oscillation about its polar axis, means for actuating said spherical carrier both as to rotation and oscillation while journaled in said cradle, a polisher unit rotatably mounted adapted and arranged to embrace said spherical carrier while journaled in said cradle and to operate effectively on ground surfaces of lens blanks mounted in multiple on said spherical carrier, means for actuating said polisher unit both rotatively and oscillatively so its equator will move on polar great circles of said spherical carrier, means for aligning said cradle and said polisher unit, and means for operating simultaneously said means for actuating said spherical carrier and said means for actuating said polisher unit.

2,586,335
PROTECTION FOR LOOMS
Donald W. Howe, Jr., Ware, and Victor F. Sepavich, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 12, 1949, Serial No. 81,164
26 Claims. (Cl. 139—341)



1. In protection means for a loom having a shuttle which is picked across a lay, an electric induction unit on the lay including a coil, a body on the shuttle capable of inducing an electric potential in the coil when the body passes the unit, electric circuit means including an electromagnetic device and an electronic tube containing a grid electrically connected to the coil and normally preventing firing of the tube, the shuttle when passing the induction unit generating an electric potential in the coil which effects a change in the electric condition of the grid to enable current to flow through the tube to energize the electromagnetic device, and loom controlling means effective to stop the loom upon failure of the electromagnetic device to be energized at a given time in the loom cycle due to failure of the body on the shuttle to pass said unit at said given time.

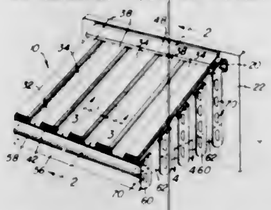
2,586,336
APPARATUS FOR AND METHOD OF MAKING TUBULAR RIVET ELEMENTS
Louis Charles Huck, Detroit, Mich., assignor to Huck Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 1, 1948, Serial No. 24,464
3 Claims. (Cl. 10—27)



1. The method of manufacturing a tubular rivet element out of a solid metal blank of round wire or rod stock, which comprises placing the blank in a substantially corresponding opening in a confining block but leaving one end portion of the blank projecting from the opening, upsetting said

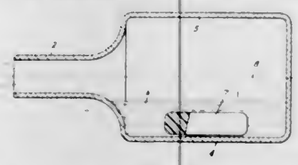
projecting end portion to form a head by a force applied in one direction, forcing an extruding and punching tool axially into the other end of the blank and into a substantial portion thereof to form an opening in the blank through backward extrusion of the metal over the tool by a force applied in an opposite direction to said one direction, and continuing the movement of said tool in said opposite direction through the blank beyond the inner end of the pierced opening so as to complete the opening by punching a slug from the remainder of the blank.

2,586,337
RIGID AWNING
Frank W. Hughes, Charleston, W. Va., assignor to Enduro Metal Awning Corporation of America, Charleston, W. Va., a corporation of West Virginia
Application May 6, 1948, Serial No. 25,410
12 Claims. (Cl. 20—57.5)



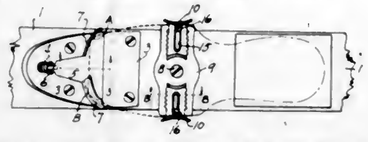
1. In a rigid metal awning a multi-sectional rigid panel comprising a set of flat elongated straps disposed in side by side relation forming joints therebetween, a second set of elongated straps extending longitudinally of and overlying said joints, each of the straps of said second set having downwardly extending portions at its longitudinal edges, said portions resting upon the surfaces of the adjacent parts of juxtaposed straps of said first set, said portions having longitudinally extending recesses in their inner sides, a clamp for each strap of the second set having its side edges received in the recesses, said clamp being rigidly secured to both of said juxtaposed straps, said clamps having its side edges spaced from said first set of straps, and comprising a flat plate.

2,586,338
APPARATUS AND METHOD FOR DISPERSING A PHOSPHOR IN A LIQUID
Walter J. Hushley and Richard L. Longini, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 1, 1948, Serial No. 36,548
3 Claims. (Cl. 259—81)



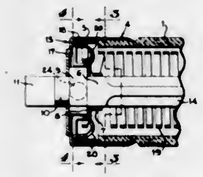
2. A mixing apparatus comprising a container containing a mixture of phosphor particles and settling liquid partially filling said container, and a mechanical element for dispersing said phosphor particles throughout said settling liquid, said mechanical element having a circular cross-sectional area and being fabricated of synthetic resinous material.

2,586,339
SKI BINDING
Hjalmar Hvam, Portland, Oreg.
Substituted for application Serial No. 538,580, June 3, 1944. This application July 2, 1945, Serial No. 602,790.
7 Claims. (Cl. 280—11.35)



6. In combination with a ski, a binding for releasably securing a shoe to a ski, said binding comprising an anchorage member mounted upon the ski, a shoe toe abutment member arranged to be directly and pivotally connected to said anchorage member, said abutment member having a portion arranged to overlie and releasably engage the toe of a shoe, and retainer means mounted upon the ski adapted to releasably engage the shoe for normally maintaining the shoe toe in contact with the abutment member.

2,586,340
WINDOW SHADE ROLLER
Robert W. Hyde, Teaneck, N. J., assignor to Clopay Corporation, Cincinnati, Ohio, a corporation of Maryland
Application July 24, 1947, Serial No. 763,432
2 Claims. (Cl. 160—297)



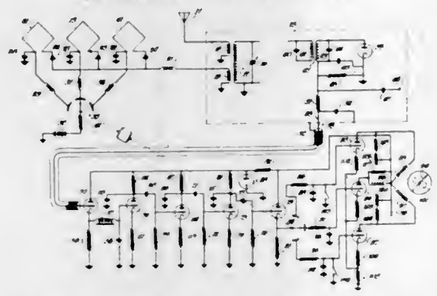
1. A rewind motor for a window shade roller comprising a ferrule, said ferrule being in the form of a cap including an annular skirt and an end wall, said annular skirt adapted to encircle and embrace the end of a window shade roller, said end wall formed to provide a central recess in its outer face with an annular flange extending inwardly therefrom, said annular flange being concentric with the annular skirt and providing an axial bearing which is integral with the ferrule, an elongated shaft journalled in the bearing, said shaft having a flanged portion forming radially shouldered clutch elements residing in the recess, a flattened portion of said shaft extending outwardly from said flanged portion for engagement with a window shade roller bracket and another portion of said shaft extending inwardly beyond the bearing, a spring, said spring having one end thereof fastened to the inner end of said shaft, means securing the opposite end of said spring to the ferrule, the outer face of the end wall of the ferrule formed to provide unidirectional ball clutch recesses outwardly beyond the central recess, ball members associated with the ball clutch recesses adapted to form a driving connection between said ferrule and said shaft, and a cap member having an annular skirt telescopically engaged upon the outer end of the ferrule skirt in press-fit relationship, said cap member having a central opening in the end wall thereof to accommodate the flattened portion of the shaft whereby the end wall of the cap member encloses the ball members

and the radially shouldered clutch elements of the flanged portion of the shaft and serves to lock the motor parts together as a unit.

2,586,341
PROCESS FOR PRODUCING TRANS-3-PENTENOIC ACID
Archibald M. Hyson, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 14, 1950, Serial No. 190,255
5 Claims. (Cl. 260—533)

1. A process for preparing trans-3-pentenoic acid which comprises heating butadiene with carbon monoxide and water in the presence of a compound of the class consisting of dimethylformamide and dimethylacetamide and a cobalt carbonyl catalyst at a temperature within the range of 100° to 250° C. under a pressure of at least 700 atmospheres whereby trans-3-pentenoic acid is formed, the quantity of water present in the reaction mixture being less than one mol per mol of butadiene when the temperature does not exceed 165° C., and thereafter separating the said trans-3-pentenoic acid from the resulting mixture.

2,586,342
TRICOORDINATE RADIO DIRECTION FINDER
Kenneth W. Jarvis, Winnetka, Ill.
Application March 3, 1948, Serial No. 12,753
36 Claims. (Cl. 343—120)

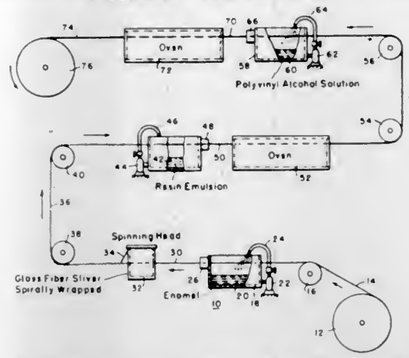


1. A radio direction finding system comprising a plurality of loop antennas arranged in polar symmetry and a sense antenna, periodically conductive means for sequentially combining energy from said loop antennas and said sense antenna, including a source of direct current potential and a plurality of diodes each associated with a different one of said loop antennas and arranged to be rendered conductive by application of said direct current potential thereto, an amplifier for said combined energy, and a polyphase indicating instrument energized from said amplifier.

2,586,343
PREPARATION OF CYCLIC SUBSTITUTED SYNTHETIC ESTROGENS
Emil Kaiser, Alford L. Andersen, Jr., and Jerry J. Svarz, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 13, 1947, Serial No. 785,802
10 Claims. (Cl. 260—619)

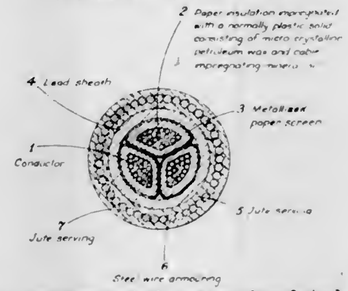
5. As a new compound, 3,3'-cyclohexene-2-diethylstilbestrol.

2,586,344
PHENOLIC-OIL MODIFIED ALKYD-COPAL RESINOUS COMPOSITIONS
John J. Keyes, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 25, 1950, Serial No. 140,506
2 Claims. (Cl. 260—20)



1. A resin emulsion suitable for treating glass fibers comprising essentially, in combination, water as the continuous phase, alkali, polyvinyl alcohol, and a wetting agent being dissolved in the water, and a dispersed phase composed essentially of ½ to 2 parts by weight of copal, and 100 parts by weight of a mixture composed of 100 to 25 parts by weight of an oil-modified alkyd resin derived by reacting (*a*) an acid compound selected from the group consisting of dicarboxylic organic acids and their anhydrides, (*b*) a polyhydric alcohol and (*c*) from 10% to 75%, based on the weight of the acidic compound and polyhydric alcohol, of an aliphatic hydrocarbonoxy compound having more than 12 carbon atoms in a chain selected from the group consisting of vegetable oils, animal oils and fatty acids derived from these oils, and 10 to 25 parts by weight of an A-stage phenol-formaldehyde resin, the phenol-formaldehyde resin derived by reacting one mole of an alkyl substituted phenol with from about 1.0 to 1.5 moles of formaldehyde with an alkaline catalyst, the copal being only mechanically admixed in the emulsion.

2,586,345
ELECTRIC CABLE HAVING A NONMIGRATORY INSULATING COMPOUND
Albert King, London, England, assignor to British Insulated Callender's Cables Limited, London, England, a British company
Application January 7, 1946, Serial No. 639,699
In Great Britain January 18, 1945
7 Claims. (Cl. 174—121)



1. An impregnated paper-insulated electric cable comprising a conductor, an intersticed

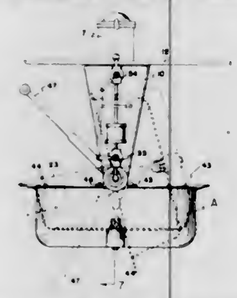
laminated body of paper surrounding said conductor, an impervious sheath surrounding said laminated body, and a normally plastic solid comprising micro-crystalline petroleum wax having a melting point of at least 80° C. in the interstices of said body and impregnating the paper of which said body is formed.

2,586,346
HOLDER AND DISPENSER FOR COILED GOODS
Harry W. King, Sycamore, Ill.
Application February 3, 1950, Serial No. 142,125
2 Claims. (Cl. 242—55.5)



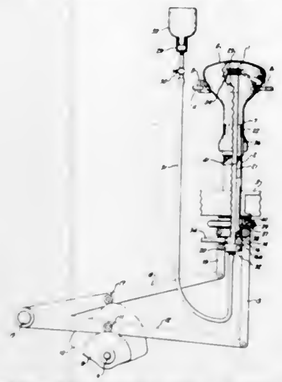
1. A holder and dispenser for rolled stamps comprising a container, the latter embodying a flat base having a groove in its top, a vertical hub pin and a lobe-shaped marginal extension, a hollow cover having a top and a depending marginal rim, the lower basing edge of said rim being fitted removably into said groove, said rim being primarily circular, having a restricted dispensing slot and a terminal projecting tangentially beyond the rim proper and rising at right angles from said lobe-shaped extension, and said top also having a marginal lobe-shaped extension topping said tangential terminal corresponding to and situated in spaced parallelism above said first mentioned lobe-shaped extension and defining, in conjunction with said latter extension, tangential projection and intervening rim portion, a substantially V-shaped pocket, that portion of the rim, at the crotch of the pocket, having a stamp strip feeding and guiding slot.

2,586,347
CORN-POPPING MACHINE
John Kloster, Minneapolis, Minn.
Application March 1, 1946, Serial No. 651,054
3 Claims. (Cl. 99—238.1)



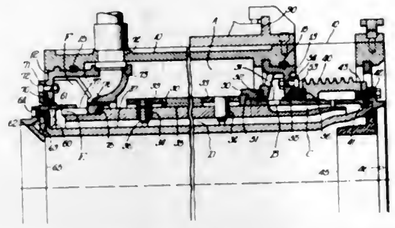
1. An agitator for corn popping machines, comprising a spider-like wire agitator, looped ends formed in said agitator with parallelly disposed arm portions, one of said arm portions being longer than the other and said longer arm portion leading said shorter arm portion in the rotation of said spider in the popping kettle of a corn popping machine and a flat bottom surface and a half round top surface formed on the arms of said agitator which is adapted to bear against the inner surface of the bottom of the popping kettle while the thickness of the arms of said agitator acts to raise the kernels of pop corn away from the heated surface of the kettle and to rotate the kernels as the agitator passes under the same to evenly heat all sides of each kernel of pop corn.

2,586,348
APPARATUS FOR COATING INTERNAL SURFACES OF HOLLOW GLASSWARE
Robert A. Kuebler, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application March 27, 1948, Serial No. 17,494
6 Claims. (Cl. 118—48)



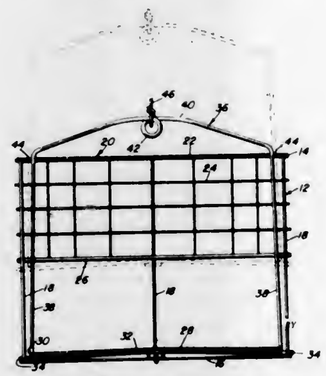
1. Apparatus for coating the inner surface of a lamp bulb with particles of a fume comprising a vertically reciprocable burner having means for discharging a combustible fume-producing gas and having contiguous means for directing a stream of combustion-supporting gas closely adjacent the flame of the burning fume-producing gas whereby to draw a major portion of the said flame into said stream of combustion-supporting gas, a conveyor having support rest means to support the lamp bulb in upright rested position thereon with its open neck and down, said conveyor being movable to advance said support rest means to a position directly over said burner to vertically align the bulb therewith, a bulb holder mounted in substantially vertical alignment with said burner, support means mounting said bulb holder for rotation about its vertical axis and for vertical reciprocation independently of said burner, means for rotating said holder, actuating means operatively connected to said burner and holder to first raise them concomitantly in their normal elevational position relative to each other to elevate said holder into engagement with the neck of the bulb and lift it to a predetermined position off said support rest means and to then elevate said burner relative to said holder a further amount to introduce the burner into the bulb on said holder and cause the fume therefrom to deposit a coating of fume particles onto the interior surface of said bulb, said actuating means being further operative to thereafter lower the burner relative to said holder to its normal elevational position relative thereto and then concomitantly lower both said burner and holder to their initial lowered position to lower the bulb onto said support rest means and disengage the holder from the bulb and withdraw said burner completely from the interior of said bulb, and operating means connected to said actuating means and said conveyor to operate them in proper time relation with each other.

2,586,349
CENTRIFUGAL CASTING MACHINE
Ralph W. Kurtz, Coshocton, Ohio, assignor to James B. Clow & Sons, Chicago, Ill., a corporation of Illinois
Application May 4, 1950, Serial No. 160,041
4 Claims. (Cl. 22—65)



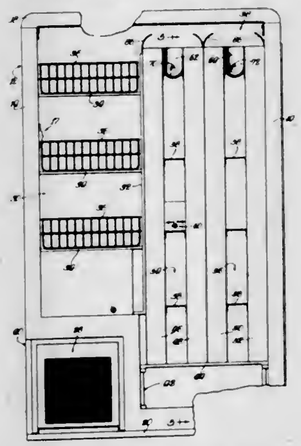
1. A centrifugal casting machine, comprising a housing composed of cooperating enclosing members and annular members disposed therebetween, an assembly mounted for rotation in said housing, said assembly comprising a sleeve protruding from one end of said housing, an elongated flange protruding from the other end of said housing, and a tubular mold disposed within said sleeve and flange and having its ends in closing engagement with the protruding ends of said sleeve and flange, respectively, rollers for rotatably supporting said assembly having supporting engagement with said sleeve, and a gearing element mounted on the protruding end of said sleeve, said sleeve and flange being formed to provide with said mold a narrow annular coolant duct extending substantially the full length of the mold, a portion of said housing being formed to provide with said sleeve a coolant chamber communicating with one end of said duct through ports in said sleeve, and another portion of said housing being formed to provide with said sleeve and said flange a coolant chamber communicating with the other end of said duct through an aperture defined by the opposed ends of said flange and said sleeve, respectively.

2,586,350
CRAB TRAP
Bert R. Lamb, Wildwood, N. J.
Application January 18, 1950, Serial No. 139,300
1 Claim. (Cl. 43—61)



A crab trap of the character described comprising a substantially cylindrical trap chamber element including a foraminous top and foraminous peripheral walls, said trap chamber element being open at its bottom, vertical rods fixed to the trap chamber element at circumferentially spaced points and depending therefrom for supporting said trap chamber element in an elevated position, guide rings fixed on the foraminous top of the chamber element, crossed metallic rods extending between the lower ends of the supporting rods, a foraminous bottom for the chamber element operable vertically between the supporting rods and engageable, when in lowered position, on the crossed rods, other guide rings fixed on said foraminous bottom and slidably encircling the lower portions of the supporting rods, and a yoke for elevating the bottom to closed position beneath the trap chamber element, the legs of said yoke extending slidably through the first-named guide rings and having their free ends fixed to the bottom.

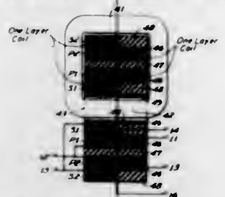
2,586,351
BOTTLE VENDING MACHINE
Harvey T. Larimore, Chicago, Ill.
Application October 12, 1948, Serial No. 54,043
5 Claims. (Cl. 312—45)



1. In a vending machine, the combination comprising a cabinet, a pair of vertically disposed, laterally spaced cells in the cabinet, said cells having open upper ends and being adapted to receive and contain articles to be vended, means for raising the articles in said cells and expelling them therefrom, a chute positioned between and adjacent the top of said cells, and deflector means secured to the upper end of each of said cells, said deflector means being operable to guide articles expelled from the respective cells into said chute, said chute communicating with the exterior of the cabinet.

4. A vending machine for vending bottles, each bottle having a large body portion and a reduced neck portion, comprising in combination, a cabinet, a vertically disposed cell in the cabinet, said cell having a long transverse dimension, a vertically movable platform in said cell, said platform having vertically offset portions spaced along said long dimension, said portions being offset substantially half the dimension of the large body portion of each of said articles, said bottles adapted to be stacked in said cell in tiers with one tier supported on each portion of said platform, said bottles being arranged with the reduced neck portions in respective tiers intermeshing, the long transverse dimension of said cell being substantially the length of said tiers so stacked, and means for moving said platform.

2,586,352
HIGH-FREQUENCY TRANSFORMER
Reuben Lee, Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 17, 1947, Serial No. 761,500
2 Claims. (Cl. 175—356)



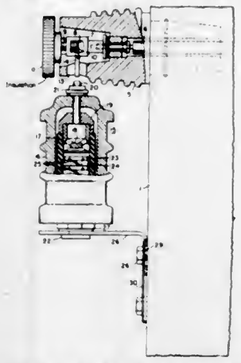
1. An electrical transformer comprising a core of magnetic material having a winding leg, primary and secondary windings about the winding leg of the core, the primary winding and the secondary winding each comprising two cylindrical coils and each coil being in the form of a helix and having a single layer of turns, the two primary coils being positioned adjacent to each other, one of the two secondary coils being positioned within the primary coils and the other secondary coil being positioned about the two primary coils, the primary and secondary coils starting at one end opposite the same portion of the winding leg of the core and extending along the winding leg of the core for distances corresponding to the respective number of turns, the primary and secondary coils having equal volts per turn and the same number of turns per unit length in the direction of their length, each secondary coil being closely positioned with respect to its nearest primary coil to maintain a close magnetic coupling and a high capacitance between them, and the two primary coils being spaced to maintain a lower effective capacitance between them, the two primary coils being connected together at their starting ends to form a midpoint of the primary winding, and the two secondary coils being connected together at their starting ends to form a midpoint of the secondary winding.

2,586,353
PROTECTIVE RELAYING SYSTEM
Herbert W. Lensner, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1950, Serial No. 171,133
6 Claims. (Cl. 175—294)



1. Fault-responsive protective relaying-means for one terminal of a protected section of an alternating-current transmission-line, comprising: a fault-detector which is responsive to transmission-line faults including faults outside of the protected line-section, a pilot-channel relaying-means for obtaining a selective instantaneous internal-fault indication in response to a comparison of line-conditions at the terminals of the protected line-section, a short-period time-delay means associated with said fault-detector, and means for obtaining a protective-relaying action in response to a response of said pilot-channel relaying means and a non-response of said time-delayed fault-detector.

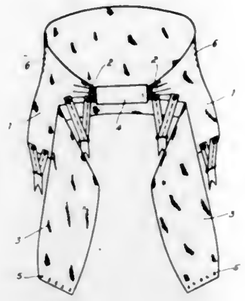
2,586,354
OVERVOLTAGE PROTECTION FOR TRANSFORMERS
Merrill G. Leonard, Sharon, and Guy Y. Hager, Sharpsville, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 27, 1950, Serial No. 158,396
1 Claim. (Cl. 175—30)



In combination, a tank for an enclosed electrical device, a one-piece, integral, insulating terminal bushing mounted horizontally in a wall of said tank, said bushing having a hollow therein and being open at the outer end, a terminal device mounted within the bushing in said hollow, said terminal device having an operating knob of insulating material outside the bushing and extending over the open outer end thereof to substantially completely enclose the terminal device, the terminal device being of a type which is liable to rotational movement in the bushing when said knob is operated, the bushing having an opening in the lower side thereof near the outer end of the bushing, a conducting member on the terminal device extending downward therefrom into said opening in position to engage a side of the opening to prevent rotation of the terminal device, a lightning arrester, means for mounting said lightning arrester below the bushing in a vertical position, the lightning arrester having a terminal member at its upper end substantially in vertical alignment with said conducting member, and said mounting means including means for adjusting the position of the lightning arrester vertically to space the terminal member of the arrester a desired distance from said conducting member to form a spark gap therewith.

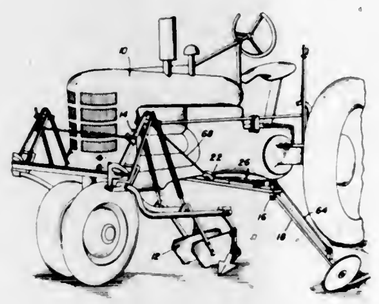
2,586,355
BELT
Roland Manuel Leven, Paris, France
Application March 16, 1950, Serial No. 150,000
In France March 16, 1949
1 Claim. (Cl. 2—41)

An abdominal supporter, comprising a one-piece belt formed of elastic material having a front and a rear portion joined integrally together, the rear portion of said belt including a waistband which extends into a seat portion, the front portion of said belt forming fan-like members, a central member adapted to support the abdomen integrally joining said fan-like



members, attaching flaps formed on a lower part of the belt, and hooking means formed on an upper part of the belt at the waistband thereof, said attaching flaps extending obliquely and upwardly, crossing over said central member and attaching to said hooking means in the vicinitv of said waistband.

2,586,356
ROW MARKER CONTROL APPARATUS
Dola T. Lewis, Beaufort, N. C.
Application January 14, 1949, Serial No. 70,862
3 Claims. (Cl. 97—230)



1. Apparatus for governing the movements of a row marker of the type which is mounted on a farm tractor to move into a substantially vertical inoperative position each time a farm implement carried by the tractor is elevated, said apparatus comprising a slide member coupled to the row marker and to the farming implement to move in unison with the row marker, a guide member mounted on the tractor slidably receiving said slide member, a keeper rotatably mounted in said guide member, means on the slide member to engage successively portions of the keeper and index it to successive positions about its axis of rotation, and means on the keeper projecting into the path of movement of the slide member as the keeper is indexed to hold the slide member against movement in a direction to lower the row marker.

2,586,357
TETRAFLUOROETHYLENE POLYMER COMPOSITIONS
Walter E. Llewellyn, Nutley, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 30, 1950, Serial No. 171,531
5 Claims. (Cl. 260—33.6)

1. A non-aqueous pressure-coalescing composition which comprises tetrafluoroethylene polymer particles of colloidal size intimately admixed with a hydrocarbon having a viscosity of at least 0.45 centipoise at 25° C. and having a melting point of less than 100° C., said tetrafluoroethylene polymer having a polymerized tetrafluoroethylene content in excess of 85% by weight and having a sintering temperature in excess of 300° C., said hydrocarbon being present in an amount of 5% to 50% based on the combined weight of tetrafluoroethylene polymer and hydrocarbon.

2,586,358
CARTRIDGE FEED DEVICE FOR AUTOMATIC FIREARMS
Bernard Maillard, Geneva, Switzerland, assignor to Brevets Aero-Mecaniques S. A., a corporation of Switzerland
Application September 20, 1946, Serial No. 698,190
In Switzerland September 29, 1945
4 Claims. (Cl. 42—50)

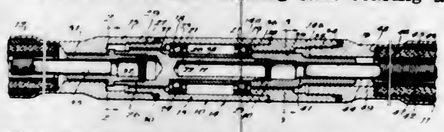


1. A cartridge feed device for automatic firearms to be supplied with cartridges which are not connected together, which comprises, in combination, means forming a guiding housing for at least one row of cartridges, said means including, an outlet end of said housing, two walls at said outlet end fixed with respect to each other at a distance from each other substantially equal to the diameter of said cartridges, two walls at the other end of said housing fixed with respect to the two first mentioned walls and extending in the direction of said row of cartridges to a distance from said first mentioned walls, these two pairs of guiding walls being parallel to the axes of the cartridges of said row, and two guiding members elastically urged relatively to each other against the row of cartridges transversely to the direction of said row and mounted to bridge the gap between the two first mentioned guiding walls and the two second mentioned guiding walls, and means in said second mentioned end of said housing for engaging the last cartridge of said roll and urging it toward the outlet end of said housing.

2,586,359
FLEXIBLE SHAFT COUPLING
Arthur W. Mall, Flossmoor, Ill., assignor to Mall Tool Company, Chicago, Ill., a corporation of Illinois
Application May 12, 1947, Serial No. 747,417
1 Claim. (Cl. 64—4)

A coupling for connecting two flexible shafts comprising an elongated tubular core having a shoulder formed thereon, bearing assemblies disposed on said core in spaced axial relation, a spacer between said bearing assemblies, one of said assemblies being disposed in abutting relation against said shoulder, a first socket member

removably secured to one end of said core and having a shoulder abutting the other of said bearing assemblies and locking said bearing as-



semblies in place against said spacer, said core having a socket in the opposite end thereof, and a housing disposed around said bearing assemblies.

2,586,360

FLEXIBLE SHAFT COUPLING

Arthur W. Mall, Flossmoor, Ill., assignor to Mall Tool Company, Chicago, Ill., a corporation of Illinois

Application June 6, 1947, Serial No. 752,948
1 Claim. (Cl. 64—4)



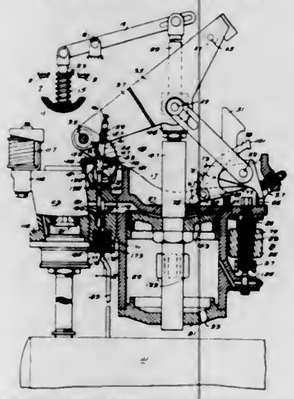
In combination a pair of flexible shafts having rotatable shaft cores and outer casings, a tubular housing member secured to said outer casings of each flexible shaft, means for connecting said tubular housing members in axial alignment, the inner walls of said housing members defining a longitudinal passage, means in said housing members defining an annular chamber of greater diameter than said passage, and a coupling in said passage having a cylindrical body portion rotatably journalled directly on the inner walls of said tubular housing members, and a locking portion of enlarged diameter disposed in said enlarged chamber, said coupling having sockets at each end, the ends of the flexible shaft cores being removably disposed in said sockets.

2,586,361

FLUID PRESSURE OPERATED CIRCUIT BREAKER

Douglas J. Marsden, San Francisco, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 28, 1948, Serial No. 12,085
9 Claims. (Cl. 200—82)



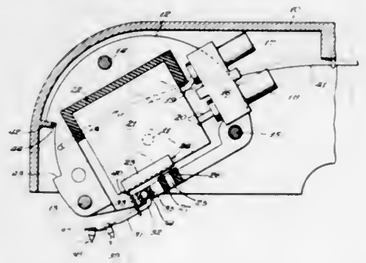
1. A circuit breaker comprising compressed gas operating mechanism for operating said circuit breaker, a gas pressure supply system including a main storage tank for supplying compressed gas to actuate said operating mechanism, means including a first gate valve for controlling the rate of flow of compressed gas to said operating mechanism, actuating means for said gate valve controlled in response to predetermined movement of said breaker, means including a second gate valve disposed in physical engagement with but movable independently of said first gate valve, said valves cooperating to form a variable orifice for controlling the rate of flow of compressed gas to said operating mechanism, and means including a metal bellows responsive to changes in gas pressure in said main storage tank only for at all times controlling the position of said second gate valve and conduit means communicating said metal bellows directly with said main storage tank.

2,586,362

DUAL POINT PHONOGRAPH PICKUP STYLUS

Norman F. Martin, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware

Application March 11, 1949, Serial No. 80,930
6 Claims. (Cl. 179—100.41)



1. A phonograph pickup comprising a pickup cartridge, a stylus mounting on the lower edge of said cartridge, a stylus holder including a portion extending outwardly from said mounting and an offset extension at the end of said portion and extending upwardly with respect thereto, and a plurality of styli mounted on the stylus holder, one of said styli being mounted on said offset extension and the other being mounted on said outwardly extending portion whereby said styli are disposed at an angle with respect to one another.

2,586,363

VULCANIZABLE CHLOROSULFONATED POLYMERS

Ambrose McAlevy, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 19, 1947, Serial No. 749,100
4 Claims. (Cl. 260—79.3)

1. A rubber-like, uncured chlorosulfonated polymer of the class consisting of normally solid ethylene polymer, normally solid polymethylenes, normally solid ethylene/vinyl chloride interpolymers, and normally solid ethylene/vinylidene chloride interpolymers, said chlorsulfonated polymer having a chlorine content of about 25% to about 37% by weight and a sulfur content of 0.4 to 3.0% by weight, said polymer prior to chlorosulfonation being soluble in toluene at 111° C. and having a molecular weight in excess of 10,000.

2,586,364

CHLOROPENTAFLUOROBENZENE

Earl T. McBee, Lafayette, Ind., Waldo B. Ligett, Detroit, Mich., and Vincent V. Lindgren, West Lafayette, Ind., assignors to Purdue Research Foundation, Lafayette, Ind., a corporation of Indiana

No Drawing. Application August 9, 1946, Serial No. 689,514
1 Claim. (Cl. 260—650)

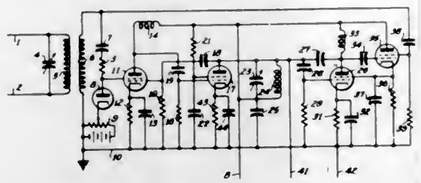
The compound chloropentafluorobenzene, C_6ClF_5, boiling at about 122–123 degrees centigrade at 750 millimeters of mercury pressure absolute.

2,586,365

MEANS FOR ELIMINATING SPURIOUS FREQUENCIES

Cyril E. McClellan, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 20, 1947, Serial No. 736,033
2 Claims. (Cl. 178—44)



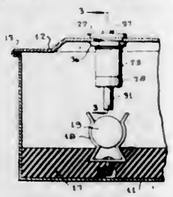
1. In combination with a source of input voltage having components of a plurality of different frequencies, a clipper means having said voltage impressed on its input and having an output circuit, an electron tube having a negatively biased control electrode impressed with voltage from said output circuit, and a tank circuit energized from the principal electrodes of said tube and tuned substantially to one of said frequencies, a feedback circuit tending to produce self-oscillation in said tube and supplied with energy from said tank circuit, and means for applying a negative bias to said control electrode sufficient to prevent the production of oscillations in said tube when said source is deenergized, but sufficient to produce oscillations in said tube when said source is energized by substantial currents of said one of said frequencies.

2,586,366

FUSE TESTING TERMINAL

Francis J. McNamara, Yonkers, N. Y.

Application August 4, 1950, Serial No. 177,667
3 Claims. (Cl. 200—133)



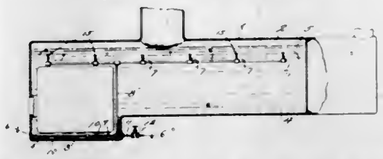
1. In combination with a fuse box having a door, fuse terminals in said box, fuses in said fuse terminals and line terminals in said box, means for testing said fuses without opening said box comprising insulated testing devices mounted in a wall of said box and disposed one in alignment with each of said line terminals and one in alignment with each fuse terminal remote from the corresponding line terminal, each of said testing devices having a bore opening to the outside of said box for receiving a tester prong and a plunger slidable in said bore and spring-urged away from the corresponding line or fuse terminal, said plunger being movable into electrically conductive contact with the associated line or fuse terminal by pressure of a tester prong thereon.

2,586,367

BOILER CLEANER NOZZLE

William M. McWilliam, New Orleans, La.

Application December 13, 1949, Serial No. 132,715
1 Claim. (Cl. 122—381)



The combination with a horizontal boiler, the rear end of said boiler having a downwardly extending walled mud collecting chamber, a fire box disposed in said rear end of the boiler, said fire box having its walls spaced inwardly from the walls of the walled mud collecting chamber and the bottom of the mud collecting chamber, a flange secured to one of the walls of the walled mud collecting chamber and surrounding an opening through said wall, a blow-off pipe threaded into said flange and communicating with the mud collecting chamber on the longitudinal center of the boiler, of a tubular boiler cleaner, said cleaner comprising a scum line within the upper portion of the boiler, said scum line being slightly to one side of the vertical longitudinal center of the boiler, the rear end of the scum line extending over the upper side of the fire box, scum nozzles carried by said scum line, a mud collecting portion disposed in the bottom of the mud chamber, said mud collecting portion being angularly shaped and extending around the sides of the mud collecting chamber adjacent the walls of the walled mud collecting chamber and comprising opposed U-shaped sections having their forward arms connected together by a T on the vertical longitudinal center of the boiler, a nipple carried by said T and extending through the opening in the wall of the walled mud collecting chamber and the flange and terminating adjacent the outer side of the flange and telescoping into the blow-off pipe, said mud collecting portion having downwardly extending blow-off nozzles engaging the bottom of the mud collecting chamber and a vertically disposed off-center portion connecting the scum line and the mud collecting portion to one side of the nipple carrying T.

2,586,368

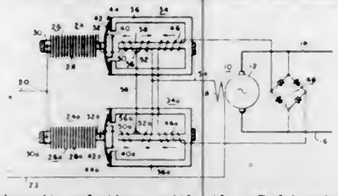
REGULATING SYSTEM

Clarence L. Mershon, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 4, 1950, Serial No. 194,135
4 Claims. (Cl. 322—82)

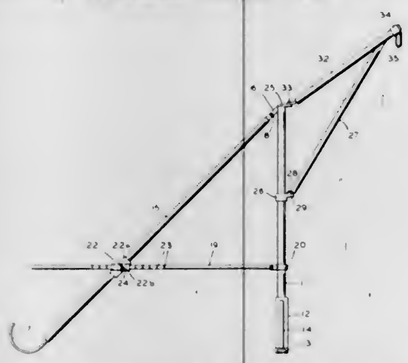
1. In a regulating system for controlling an electrical quantity supplied by a generator having a field winding, the combination comprising, a plurality of pile regulators, each of the piles having a stack of discs of resistance material, a main control winding for each of the pile regulators, the main control windings being connected in series circuit relation with one another and disposed to be energized in accordance with the electrical

quantity to be controlled, a pair of auxiliary control windings for each of the pile regulators, the windings of each pair of auxiliary control windings being connected in series circuit relation with one another and the stack associated therewith but disposed in magnetically opposed relation, each of the stacks and associated series connected auxiliary control windings being connected in parallel circuit relation with one another and in



series circuit relation with the field winding to divide the field exciting current therebetween, one of the magnetically opposed auxiliary control windings of each pair being disposed to oppose the action of the main control winding associated therewith, and means interconnecting each of said one of the auxiliary control windings to effect a substantially equalized division of the field exciting current therein.

2,586,369
HOIST
Perry E. Miller, Cleveland Heights, Ohio, assignor to The Lexington Supply Company, Cleveland, Ohio, a corporation of Ohio
Application November 3, 1948, Serial No. 58,093
2 Claims. (Cl. 212—61)

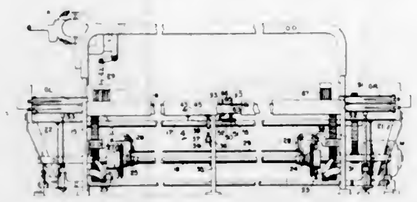


1. A crane comprising a base, a socket fixed to and extending upwardly from said base, a mast having a lower end portion telescopingly removably insertable into said socket, a trail member secured to and extending angularly downwardly from a point adjacent the top end of said mast, said trail member being provided at its lower end with an upwardly curved foot adapted to receive and retain a counterweight, a link rod having one end thereof connected to said mast at an intermediate height on said mast and having a connection towards the other end thereof with said trail member at an intermediate height on said trail member, one of the last two said connections being a pivotal one, a boom pivotally connected to said mast on the opposite side of the mast from said trail member, and a jib brace fixed to said boom adjacent the free end of the boom, said jib brace being likewise pivotally connected to said mast at a point spaced from the pivotal connection of said boom and said mast, whereby said boom is adapted to swing in a circle of fixed radius with said mast as a center.

2,586,370
N-DIMETHYLAMINOETHYL-9-METHYLACRIDAN AND ACID ADDITION SALTS THEREOF
Jack Mills, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application May 15, 1950, Serial No. 162,145
4 Claims. (Cl. 260—279)

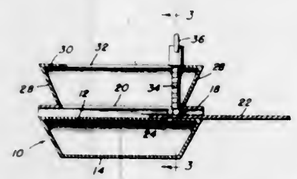
1. A member of the group consisting of N-dimethylaminoethyl-9-methylacridan and its acid addition salts.

2,586,371
ELECTRIC PROTECTION FOR LOOMS
Charles W. Moss, Canton, and William A. Blanchard, Millbury, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 12, 1949, Serial No. 121,002
24 Claims. (Cl. 139—341)



1. In protection means for a loom having a shuttle which when running properly passes a given point along the lay between the selvage warps at a given time in the loom cycle, a movable electric switch operator located at said given point normally extending into the path of the shuttle and moved by the latter when the shuttle passes the operator, an electric switch capable of being in either open or closed condition thereof and normally in one of said conditions and moved to the other condition when the operator is moved by the shuttle, electric circuit means including an electromagnetic device and said switch, and loom stopping means controlled by said electromagnetic device effective to stop the loom upon failure of the shuttle to move said operator and cause said switch to be in said other condition thereof at said given time in the cycle of the loom.

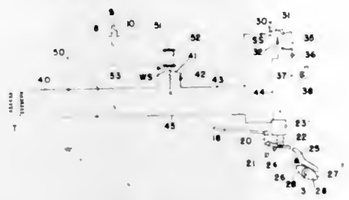
2,586,372
PUTTY SMOOTHING KNIFE
Paul J. Palenchar, Newton Falls, Ohio
Application December 17, 1948, Serial No. 65,835
1 Claim. (Cl. 18—3.5)



A putty applicator comprising a base member constituting a smoothing knife and including spaced upper and lower walls and tapered sides, an inverted channel secured to said upper wall, a knife, and means for slidably and adjustably retaining said knife in said channel and upon said upper wall, said knife retaining means including

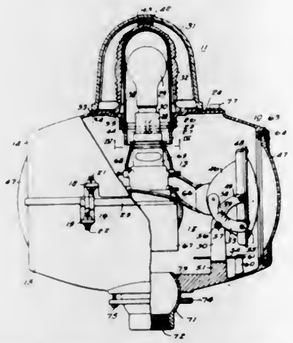
an elongated handle carried by said channel, elongated aligned slots in said handle and channel, a threaded aperture at one end of said knife, a threaded bolt extending through said slots and said aperture, and a retaining nut on said bolt between said knife and said channel.

2,586,373
COMBINED ELECTRIC PROTECTION AND WARP STOP FOR LOOMS
Frederick W. Paul, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 3, 1950, Serial No. 153,644
6 Claims. (Cl. 139—341)



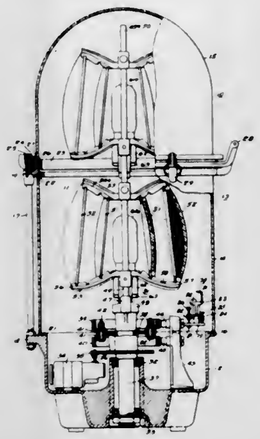
1. In stopping means for a loom operating with a shuttle, a regularly moving knock-off lever, loom stopping mechanism including a force transmitter normally in the path of the lever and effective when moved by the lever to cause the mechanism to stop the loom, a normally deenergized electro-magnetic device effective when energized to move the force transmitter out of the path of the lever, a normally open loom protection electric circuit including said device closed by the shuttle to effect energization of the device, a normally open electric warp stop circuit, and means independent of the shuttle operative upon closure of the warp stop circuit to open the protection circuit.

2,586,374
HIGH-INTENSITY AIRPORT RUNWAY MARKER LIGHT
Willis A. Pennow, Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 28, 1947, Serial No. 751,026
12 Claims. (Cl. 240—1.2)



1. A high-intensity marker light for use on airport runways and the like comprising, a barrel-shaped housing having opposed end openings and a top opening intermediate its ends, said end openings being defined by circular seat portions, a transparent cover in each end opening and positioned in the seat portions, gasket means interposed between the seat portions and the edges of the cover members, means including a light source and reflector adjustably mounted in the housing behind each cover for projecting light beams horizontally in opposite directions, a lamp detachably mounted in said top opening and extending outside the walls of the housing, and lens means mounted on the housing over said opening and lamp.

2,586,375
ROTATING BEACON HAVING DUPLICATE LAMP SYSTEMS ONE OF WHICH IS AUTOMATICALLY ENERGIZED UPON FAILURE OF THE OTHER
Willis A. Pennow, Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1947, Serial No. 765,141
13 Claims. (Cl. 240—49)

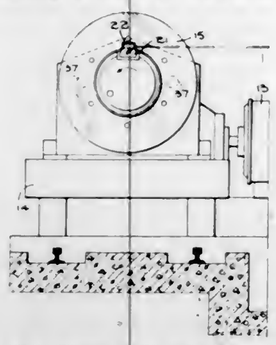


12. A beacon comprising, a stationary base, a stationary enclosure mounted on the base and being substantially entirely of a transparent material, a support in said enclosure mounted on the base for rotation about a vertical axis, a lamp supported in said enclosure substantially on said vertical axis, lens means mounted on said support and located adjacent said lamp at least at one side thereof between said lamp and a part of said enclosure, and said lamp being substantially entirely directly exposed to all other parts of said enclosure.

2,586,376
MACHINE FOR STRIPPING SHEET METAL
John Burley Picton, Wolverhampton, England, assignor to Joshua Bigwood & Son, Limited, Wolverhampton, England, a British company
Application July 27, 1950, Serial No. 176,096
In Great Britain July 30, 1949
15 Claims. (Cl. 242—81)

1. In a winding machine; a rotary winding drum; means for rotating same, said drum having a guideway extending longitudinally with respect to the axis of rotation of the drum; a slide in said guideway mounted for endwise expulsion therefrom, said slide having an open mouthed sheet receiving opening extending lengthwise in relation to said guideway and inwardly towards the central region of the drum to form an anchorage

for the leading end of the sheet; and, an unloader device including a member movable axially in



relation to the drum and engageable with said slide to expel same endwise from the guideway.

2,586,377

DEHYDROGENATION OF HYDROCARBONS WITH SYNTHETIC GEL-TYPE METAL OXIDE CATALYSTS

Emory W. Pitzer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application December 31, 1947, Serial No. 795,150
14 Claims. (Cl. 260—668)

14. A process for dehydrogenating hydrocarbons having from 2 to 10 carbon atoms per molecule to less saturated hydrocarbons, which comprises subjecting such a hydrocarbon to reaction conditions including a temperature in the range of 900 to 1300° F., a pressure up to 500 p. s. i. g., and a flow rate in the range of 0.5 to 5 liquid volumes of feed per volume of catalyst per hour, in contact with a synthetic gel catalyst of alumina and at least one metal oxide selected from the group consisting of the oxides of vanadium, chromium, molybdenum, and tungsten prepared by the process which comprises dissolving the nitrates of the metals in water at a temperature in the range of 50 to 100° F., admixing with the resulting solution a solution of ammonium hydroxide at a temperature in the range of 50 to 100° F. in such an amount as to bring the pH of the solution within the range of 5.2 to 8.5, drying the resulting precipitate without washing, and heating the unwashed precipitate to a temperature of at least 750° F. so as to convert the metal hydroxides to metal oxides, and recovering less saturated hydrocarbon as a product of the process.

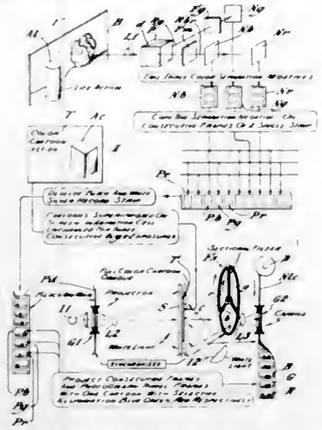
2,586,378

COMBINATION COLOR PHOTOGRAPHY METHOD

Wadsworth E. Pohl, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine

Application May 10, 1949, Serial No. 92,449
10 Claims. (Cl. 88—16)

1. In the art of composite color photography by combined exposure of two object field components the method which comprises making by essentially simultaneous exposure, and subsequent processing, individual color separation records of one of said components, making an opaquely colored record of the other component, consecutively projecting images of said individual records, superposing said colored record on said images during said consecutive projection, and making by printing through respective filters combined records of the image of each individual



color separation record and of the corresponding color aspect of the opaquely colored record.

2,586,379

LUBRICATION OF ENGINE BEARINGS

Frank Postma, Glen Rock, N. J.

Application December 23, 1947, Serial No. 793,383
10 Claims. (Cl. 184—6)

5. The combination of a crankshaft having at least one main journal and at least one crank arm and journal, a bearing on the crank arm journal, means to feed lubricant under pressure through the main journal, the crank arm, and the crank arm journal from the main journal to a position between the crank arm journal and bearing comprising a passageway through such members, a main journal bearing, means to support the main journal bearing, and means to feed lubricant under pressure between the main journal and the main journal bearing, the main journal bearing having an oil-induction passage leading to its bore, said passage constituting a portion of the last named means, said main journal bearing having an interior channel formed around its axis and connected to the oil-induction passage, the inner end of the passageway in the main journal which feeds lubricant to the crank journal confronting the channel, and means sealing off from the remainder of the channel the part of the circumferential extent of the channel to which said oil-induction passage discharges, said sealing means comprising a set of a plurality of sealing dams, each of said sealing dams having a thickness measured circumferentially of the bearing lining member

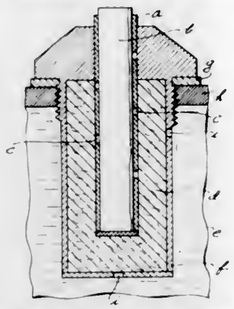
which is a small part of the inner circumference of the bearing lining member, the dams being spaced from each other circumferentially of the bearing by distances which are on the same order as the circumferential thickness of each dam, the spaces between the dams in the set being of a depth which is at least a substantial part of the radial depth of the channel, the sealing dams being fixed in the bearing lining member and so disposed as to be wiped by the perimeter of the main journal, whereby the amount of lubricant present between the main journal and the main journal bearing is limited and the feeding of lubricant to the crank journal is periodically discontinued as the crank shaft rotates.

2,586,380

CIGAR LIGHTER, IGNITER, AND THE LIKE

Marcel Quercia, Paris, and Georges Ferdinand, Nogent, France

Application December 29, 1947, Serial No. 794,346
In France March 17, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 17, 1963
1 Claim. (Cl. 67—7.1)



In a lighter, in combination, a housing for containing a fuel, the said housing having a wall thereof formed with an opening therein; a first receptacle having side walls and opposite end walls one of which is formed with an opening extending therethrough, said first receptacle being located at least partially in said housing with said side walls thereof connected to said wall of said housing and located about said opening therein, the other end wall of said first receptacle being located in the interior of said housing, and at least one portion of said first receptacle located within said housing being formed with an opening passing therethrough so that the interior of said housing communicates with the interior of said first receptacle and with said opening in said housing wall only through said opening in said one portion of said receptacle; a second receptacle having opposite ends one of which is closed and the other of which is open and having side walls formed with at least one opening passing therethrough, said second receptacle being located in said first receptacle with the side walls and closed end of said second receptacle located apart from the side walls and other end wall of said first receptacle so as to provide a space between said first and second receptacles, and a portion of the side walls of said second receptacle located adjacent to said open end thereof being located in said opening in said one end wall of said first receptacle; a wick located in said second receptacle; and a quantity of absorbent material located in and substantially filling said space between said first and second receptacles, whereby said wick receives fuel only from said absorbent material.

2,586,381

LIFTING EDGE FOR FOLDERS

John S. Quinn, Chicago, Ill.

Application June 15, 1949, Serial No. 99,321
1 Claim. (Cl. 129—16.7)



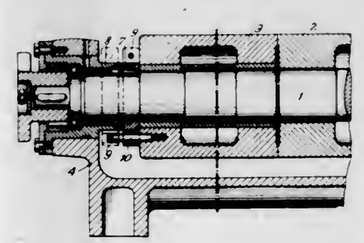
A folder having hinged leaves, one of the leaves providing a cover and the other of said leaves providing a back, a cover lifting device comprising a lifting portion secured to said cover, said lifting portion being hingedly connected to the main portion of said cover by a flexible web, and a deformable rubber-like insert abutting the inner face of said lifting portion and retained thereagainst by a retaining strip, said deformable insert being adapted to urge said lifting portion away from said back whereby said cover can be pivoted to open postion by manual movement of said lifting portion.

2,586,382

FOUNTAIN INTERRUPTER

Max Ras, Zurich, Switzerland

Application December 8, 1949, Serial No. 131,889
In Switzerland December 13, 1948
2 Claims. (Cl. 101—351)



1. In inking apparatus for printing apparatus operating through a roller-and-blade duct, an interrupter arrangement comprising a ductor roller made up of at least two portions at least one of which is loosely mounted on a roller axle, an arresting device arranged at the end of the roller axle supporting the loose roller portion, said device comprising a stationary tubular neck coaxially surrounding said end of the roller axle, a collar rotatably fixed to said axle at one end of said loose roller portion facing the said neck, a ring having clamping means for selectively clamping the said ring either to said collar or said neck, and coupling means fixed to said loose roller portion and rotatably connecting said portion with said ring in both clamping positions of the latter.

2,586,383

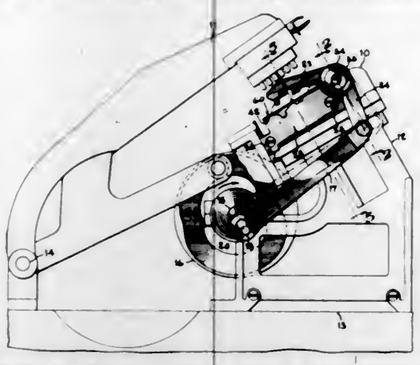
TAG-MARKING MACHINE CUTOFF KNIFE

Frederic L. Rieger, Dayton, Ohio, assignor to The Monarch Marking System Company, Dayton, Ohio, a corporation of Ohio

Application June 10, 1949, Serial No. 98,269
7 Claims. (Cl. 164—42)

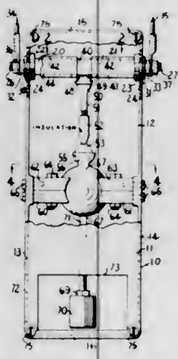
7. A cut-off knife for tag strip marking machines comprising a reciprocably mounted blade,

a pair of spaced cutting segments and an aligning teat extending from an edge of the blade, said



teat disposed between the segments and terminating beyond them.

2,586,384
IMPACT CIRCUIT BREAKER
Dorus P. Rudisill, Hickory, N. C.
Application May 12, 1950, Serial No. 161,714
4 Claims. (Cl. 200—52)

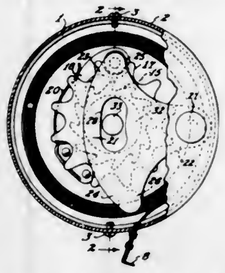


2. In a movable vehicle having an electrical circuit, an impact switch connected in the electrical circuit of the vehicle comprising a pair of electrical conductors, a pair of closely spaced fixed contact members to the remote ends of which the conductors are connected, a movable contact member mounted for sliding movement between the proximate ends of the fixed contact members and normally completing the circuit therebetween, a spherically-shaped member disposed a substantial distance below the movable contact member and in substantially the same vertical plane, a pendulum depending from the spherically-shaped member, means supporting the spherically-shaped member for partial rotational and sliding movement therein, said movable member having a socket member on the lower surface thereof and said spherically-shaped member having a socket member on the upper surface thereof, said socket members being spaced substantially apart from each other, a connecting rod extending between the socket members and having ball portions on opposed ends thereof slidably mounted in said socket members whereby, upon a sudden stop of the movable vehicle, the pendulum will transmit partial rotation to the spherically-shaped member to thus permit the ball portions on opposed ends of the connecting rod to partially rotate in the corresponding socket portions of the spherically-shaped member and the movable contact member and, in so doing, to withdraw the movable contact member from between the fixed contact members to thus break the circuit between the fixed contact members.

2,586,385
OIL SOLUBLE PHENOLIC RESINS AND VARNISH COMPOSITIONS PREPARED THEREFROM
Robert H. Runk, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 26, 1949, Serial No. 83,784
4 Claims. (Cl. 260—19)

2. A heat reactive varnish composition comprising as its essential ingredients from 75 to 150 parts by weight of a glyceride of an unsaturated acid having at least two ethylenically unsaturated groups, and 100 parts by weight of a partially reacted, thermosettable, phenolic resin derived by reacting one mole of a mixture of from 90 to 80 mole percent of paratertiarybutyl phenol and from 10 to 20 mole percent of diphenylolpropane with from 1.5 to 2 moles of an aldehyde selected from aqueous formaldehyde and polymers of formaldehyde at temperatures of between 70° C. and reflux, in the presence of from 0.2% to 5% based on the weight of the phenols, of an alkali metal hydroxide catalyst, the reaction time varying from 3 hours with the minimum amount of catalyst and the lowest temperatures to 1 hour using reflux and more than ½% by weight of catalyst, the aqueous reaction product then being neutralized and rendered acidic with an acid to a pH of between 4 and 6.5, removing the water from the acidified reaction product by evacuation, and heating the resinous residue until a resinous product having a ball and ring softening point of between 75° C. and 105° C. is attained, the glyceride and the phenolic resin having been heat bodied to provide a relatively homogeneous composition.

2,586,386
FLEXIBLE RULE
Mark J. Ryan, Cincinnati, Ohio
Application May 13, 1949, Serial No. 93,165
13 Claims. (Cl. 242—84.9)

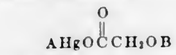


1. In a flexible rule, a casing, a hollow tubular extension extending within said casing, a reel journaled on said extension and having a flexible tape wound thereon, an operating element journaled axially of said reel and operatively connected therewith, spring means to retract said tape by revolving said reel, automatically acting retarding means operatively connected to said operating element, means for operatively connecting said reel and said operating element when said reel is under the influence of said spring means, whereby the rewind speed of said tape

may be controlled, and release means for normally holding said retarding means against movement, said release means being displaceable to release said retarding means for movement.

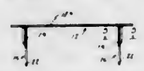
2,586,387
ARYL MERCURY SALTS OF CHLORO SUBSTITUTED PHENOXYACETIC ACIDS
Paul A. Sartoretto, New York, N. Y., assignor to W. A. Cleary Corporation, a corporation of New Jersey
No Drawing. Original application March 21, 1947, Serial No. 736,412. Divided and this application February 5, 1951, Serial No. 209,511
8 Claims. (Cl. 260—434)

1. The new compound: the aryl mercury salt of an acid of the class consisting of 2,4-dichlorophenoxy acetic acid, 2,5-dichlorophenoxy acetic acid, and 2,4,5-trichlorophenoxy acetic acid having the structural formula



wherein A is an aryl group and B is a member of the class consisting of 2,4-dichlorophenyl groups, 2,5-dichlorophenyl groups, and 2,4,5-trichlorophenyl groups.

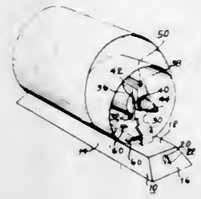
2,586,388
CLIP WITH BENDABLE LEGS
Werner Schafroth, Havertown, Pa.
Application June 10, 1948, Serial No. 32,125
4 Claims. (Cl. 85—49)



1. An integral clip formed from sheet metal comprising a flat base portion, a leg struck from said base portion adjacent each end leaving openings of the same size and shape as said legs in said base portion, each of said legs extending perpendicularly downward from said base portion at said ends, each of said legs having an upper portion and a lower shoe portion defined by a pair of opposed slits that extend inwardly and downwardly from the opposite side of the leg and form prongs on the opposite sides of the leg, said upper portion being deformed into a concave-convex structure leaving said prongs exposed beneath the opening formed by striking that leg from the base portion whereby the upper ends of said prongs are adapted to be engaged by a tool passing through said opening to bend said prongs and lower shoe portion into position substantially parallel to said base portion, with the prongs and shoe portion extending appreciable distances on opposite sides of the leg to form a T head.

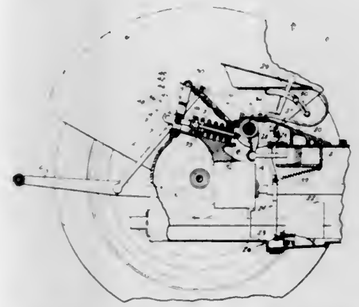
2,586,389
ELECTRIC LAMP ASSEMBLY OF THE PIN-UP TYPE
Ralph D. Schear and Jack G. Berg, Dayton, Ohio
Application January 24, 1950, Serial No. 140,314
9 Claims. (Cl. 240—81)

1. A lamp assembly for use with a bulb, said assembly including a base having angularly disposed marginal flanges cooperating to form a base having bevelled edges, a bracket supported upon the base, a lamp socket attached to the bracket so arranged that the longitudinal axis of the lamp socket extends parallel to the main body portion of the base, a shade assembly, said shade assembly including a pair of cylindrical bands one of which overlies the top of the bulb and the other overlies the socket, and a helical sheet member spanning the distance between the cylindrical bands, said helical member overlapping a portion



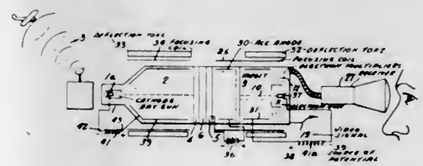
of the bands and having a diameter larger than the bands, said cylindrical bands and the helical member cooperating to form a shade assemoly for the lamp and means for securing the shade assembly to the base.

2,586,390
TRACTOR HITCH
Rudolph Schumaier, Saline, Mich.
Application July 15, 1947, Serial No. 761,020
7 Claims. (Cl. 97—50)



3. A rocker bracket for use in a tractor hitch having a hydraulically operated lift mechanism comprising a pair of spaced apart arms having apertures at corresponding ends thereof for pivotally connecting said bracket at one end to a fixed portion of a tractor and apertures intermediate the length thereof for connecting said bracket to a hydraulic lift mechanism control, and flexible strands connected one to each arm at the other end of said bracket for connecting said bracket at its other end to lift mechanism lift arms.

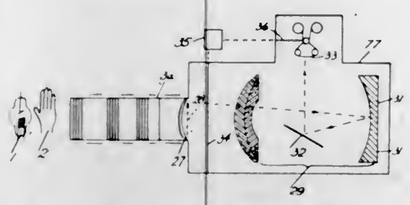
2,586,391
DEVICE FOR PROJECTION OF MICROWAVE IMAGES
Edward Emanuel Sheldon, New York, N. Y.
Application July 8, 1947, Serial No. 759,531
8 Claims. (Cl. 343—17)



1. A device for intensifying and magnifying microwave images comprising, in combination,

a microwave source, a pick-up tube having means for producing a cathode ray beam modulated by microwave signals, and for scanning with said beam a composite screen consisting of a fluorescent layer and a photoemissive layer, producing thereby photoelectron image having the pattern of said microwave image, means for converting said photoelectron image into video signals, and amplifiers and receivers to re-convert said video signals into visible images.

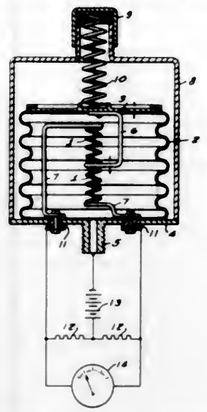
2,586,392
MOTION-PICTURE CAMERA FOR X-RAY IMAGES
Edward Emanuel Sheldon, New York, N. Y.
Application December 9, 1948, Serial No. 64,329
5 Claims. (Cl. 250—65)



1. A system for X-ray cinematography comprising, in combination, an X-ray source for producing an X-ray image, an X-ray fluorescent screen for receiving said image and converting said image into a fluorescent image, a reflective optical system for focusing said fluorescent image, an image sensitive tube containing a photocathode for receiving said focused image and converting said image into the first electron beam having the pattern of said image, a composite screen consisting of a light reflecting layer transmitting said electron beam from said photocathode, a fluorescent layer adjacent said light reflecting layer for converting said electrons into a light image, a light transparent separating layer independent of walls of said tube, and a photoemissive layer receiving light from said fluorescent layer through said separating layer and emitting in response to said light the second electron beam having the pattern of said first electron beam, and a fluorescent screen disposed in said tube, provided with an electron transparent light reflecting backing, for receiving said second electron beam and converting said electron beam into a visible image, and recording means for said visible image.

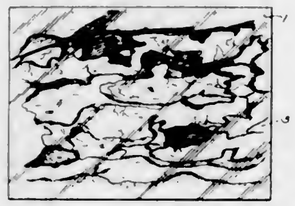
2,586,393
PRESSURE MEASURING APPARATUS
Benjamin H. Smith and George W. Rosenberger, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 5, 1948, Serial No. 25,268
13 Claims. (Cl. 73—398)

1. Apparatus responsive to a physical quantity comprising, in combination, a pair of resistor wires, each of a material having a temperature coefficient of resistivity and each being shaped to have portions of the wire disposed in spaced relation to other portions thereof, circuit means for causing a current to flow in each of said resistor wires of a magnitude to cause heating thereof and heating between the spaced portions thereof, means responsive to said physical quantity for differentially deflecting said resistor wires to increase the spacing of the spaced portions of one resistor wire while decreasing the spacing of the spaced portions of the other resistor wire, and



means responsive to the differential of the resistances of said resistor wires.

2,586,394
PROCESS FOR ORNAMENTING GLASS
William J. Stepien, Chicago, Ill.
Application June 17, 1949, Serial No. 99,797
1 Claim. (Cl. 41—18)

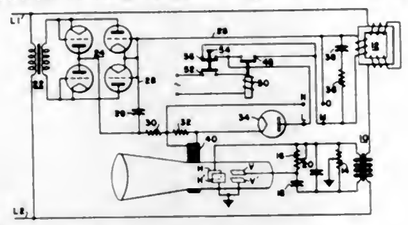


The process of ornamenting glass which comprises the steps of evenly applying over one surface of the glass a size coat of highly diluted gelatin glue, applying a metal leaf to the exposed surface of said size coat under varying pressures at different localized points and gathering the metal leaf until flat spots of varying sizes interspersed with folds forming configurations of diverse contours are produced, firmly massaging said metal leaf with absorbent material until the portions of material of the metal leaf that have accumulated due to the interspersed folds are removed thus forming a substantially smooth surface on said metal leaf having fine irregular lines conforming to the places where the metal was massaged away and then applying a thin enamel coat to the massaged surface of said metal leaf thus enhancing the designs produced by the configurations of the produced fine lines.

2,586,395
CIRCUIT CATHODE-RAY OSCILLOSCOPE
Owen L. Taylor, Beaver Falls, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 12, 1948, Serial No. 54,103
8 Claims. (Cl. 315—24)

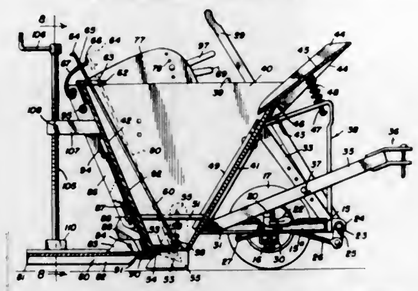
1. A measuring circuit comprising a cathode ray tube having a screen, means for applying equal quadrature voltages to the deflecting electrodes of said tube, variable impedance means including a saturable reactor for varying the

amplitudes of said quadrature voltages equally in a continuous manner, means for initiating the operation of said variable impedance means, and



means operable simultaneously with said initiating means for controlling the impingement of the cathode ray beam upon said screen.

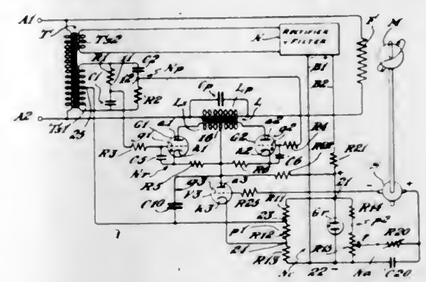
2,586,396
MACHINE FOR SPREADING ROAD SURFACING MATERIAL
Edward Trampler, Loveland, Ohio
Application March 24, 1949, Serial No. 83,222
11 Claims. (Cl. 94—44)



1. A road surfacing material carrier and spreader comprising a mobile carriage, a material containing and depositing hopper mounted on and operable in conjunction with said carriage and having an elongated discharge opening in its bottom through which said material is allowed to gravitate upon the road bed or other surface to be covered, a plurality of separate valve plates individually hinged to the lower edge portion of the rear wall of said hopper, said plates serving to normally close said discharge opening and being swingable, singly and collectively, forwardly and downwardly to deliver the material from the hopper onto the road bed, a single rocker shaft commensurate in length with an mounted for oscillation on said hopper, operating levers secured to said rocker shaft for oscillating same, and operating means between the rocker shaft and valve plates including individual rods hingedly connected at their lower ends to the respective valve plates and selectively usable operating connections between the upper ends of the rods and said rocker shaft, said operating connections being disengageable, whereby said rods may be hand-controlled independently of said rocker shaft.

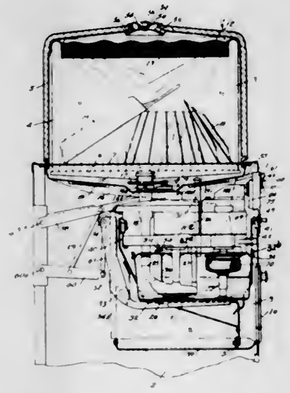
2,586,397
SPEED CONTROL SYSTEM FOR ALTERNATING CURRENT MOTORS
William N. Tuttle, Concord, Mass., assignor to General Radio Company, Cambridge, Mass., a corporation of Massachusetts
Application July 8, 1946, Serial No. 681,814
12 Claims. (Cl. 318—229)

1. Motor regulation system comprising an alternating-current motor, an alternating-current line for energizing said motor, a generator controlled by said motor to furnish a voltage continuously proportionate to the speed of the motor, electron discharge means having control electrode means for continuously varying the current in its output circuit, a source of variable



direct-current voltage, a regulating circuit including in series said control electrode means, said generator, and said direct-current source, and a transformer having core means with winding means connected in series in said line and additional winding means connected in said output circuit.

2,586,398
SPRAY-TYPE DISH-WASHING MACHINE HAVING A CIRCULATING PUMP AND PLURAL ROTATABLE STRAINER MEANS SELECTIVELY COOPERABLE THEREWITH
Ethan W. Vars, Bellefonte, Pa.
Application May 2, 1944, Serial No. 533,736
12 Claims. (Cl. 134—58)



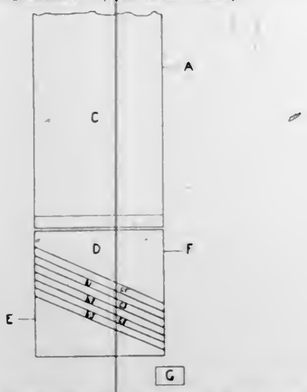
5. In a dish washer having a washing chamber, the combination of a pump for forcing a flow of liquid into dish washing relation, a motor driving said pump, a rotatable strainer for receiving the liquid from the washing operation, a heater for operating on the flowing liquid before said liquid flows into dish washing relation, a second motor driving said strainer, controls for said motors and said heater throwing said motors and said heater into and out of action in sequence to first start said strainer, then said pump, and then the heater, and control means for varying the time period in which said motors and said heater are operated.

2,586,399

DEVICE FOR COLLECTING LIQUIDS

René Velut, Francueil, France, assignor to Anciens Etablissements R. Velut (Société à Responsabilité Limitée), Paris, France, a company of France

Application July 22, 1947, Serial No. 762,757
In France May 19, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires May 19, 1959
6 Claims. (Cl. 261—112)



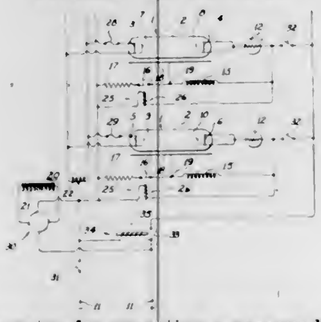
1. Device for collecting a liquid tricking down over the whole breadth of a vertical wall comprising an upstanding plate having about the same breadth as said wall, provided with transversely sloping capillary channels open laterally on that face of the plate on the liquid which trickles, the lower extremities of said channels being opened and located along a vertical zone, said channels being formed with two parallel sides at right angles with respect to the surface of said plate connected by a third side parallel to said surface, and means for holding said plate under said vertical wall with its top close to the lower end of said wall and the same vertical plane, whereby the liquid tricking on said wall, falls on said plate, fills up said channels owing to its surface tension and flows along the sloping direction.

2,586,400

STARTING AND OPERATING CIRCUITS AND DEVICES FOR ELECTRIC DISCHARGE DEVICES

Philippe Waguet, Paris, France, assignor to General Electric Company, a corporation of New York

Application May 20, 1948, Serial No. 28,224
In France June 14, 1947
2 Claims. (Cl. 315—254)



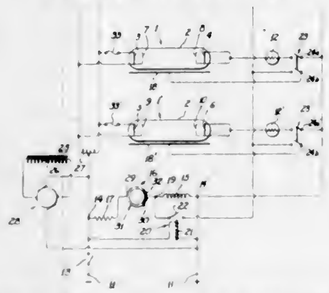
1. Apparatus for operating a gaseous luminous electric discharge device, of the type including a main filamentary electrode and a cooperating main electrode, comprising: a unidirectional voltage source, an auxiliary dependent source of alternating voltage; a discharge circuit including said device, ballast resistance and a control switch connected in series across said unidirectional source; connections for providing heating current to said filamentary electrode from said alternating voltage source; means for energizing said alternating voltage source whenever said discharge circuit is connected to said unidirectional source, said filamentary electrode thereby becoming heated, independently of the state of conduction within said device; a starting circuit comprising a resistance, a normally closed contact of a time-delay relay, and an inductance, serially connected across said unidirectional source through said control switch; an auxiliary starting electrode for said device connected to the junction of said contact with said inductance; and means for making said time-delay relay dependent, as to its operation, upon the closing of said control switch, whereby said contact opens at a predetermined time interval after the closing of said control switch and a single starting impulse is provided thereupon at said starting means.

2,586,401

STARTING AND OPERATING CIRCUITS AND DEVICES FOR ELECTRIC DISCHARGE DEVICES

Philippe Waguet, Paris, France, assignor to General Electric Company, a corporation of New York

Application May 20, 1948, Serial No. 28,225
In France June 14, 1947
4 Claims. (Cl. 315—254)



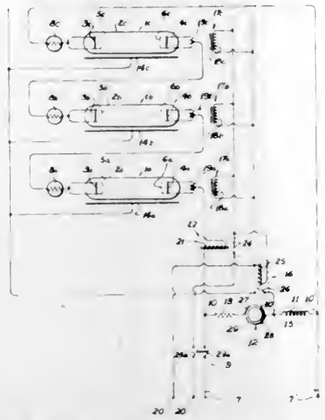
1. Apparatus for operating a gaseous luminous electric discharge device of the type including a main filamentary electrode and a cooperating main electrode, comprising: a unidirectional voltage source, a two contactor switch, a ballast resistance, and an auxiliary dependent source of alternating voltage; connections for continuously energizing said filamentary electrode from said alternating source; a discharge circuit including said device, said ballast resistance and one contactor of said switch connected in series across said unidirectional source; a starting circuit comprising a limiting resistance, automatic switching means, and an inductance, serially connected across said unidirectional source, said switching means continuously making and breaking said starting circuit to produce starting impulses; and an auxiliary starting electrode on said device, said auxiliary electrode being connected through a second contactor of said switch, to the junction of said switching means with said inductance, said device being thereby continuously supplied with said starting impulses upon the closing of said control switch.

2,586,402

STARTING AND OPERATING CIRCUITS AND DEVICES FOR ELECTRIC DISCHARGE DEVICES

Philippe Waguet, Paris, France, assignor to General Electric Company, a corporation of New York

Application May 20, 1948, Serial No. 28,226
In France June 14, 1947
3 Claims. (Cl. 315—254)



1. Apparatus for operating a plurality of gaseous luminous electric discharge devices, of the type including a main thermionic electrode and a cooperating main electrode, comprising: a principal source of unidirectional voltage and an auxiliary source of alternating voltage, and a ballast resistance; a transformer having a primary winding connected to said auxiliary source and a plurality of secondary windings connected to said thermionic electrodes; a main discharge circuit including said devices connected in series, the thermionic electrode of one being connected to the cooperating electrode of another in sequence, the two remaining main electrodes being connected, in series with said ballast resistance, across said principal source; a starting circuit comprising a limiting resistance, continuously operative switching means for making and breaking said starting circuit, and an inductance serially connected across said unidirectional source; and an auxiliary starting electrode for each of said devices connected to the inductive side of said switching means.

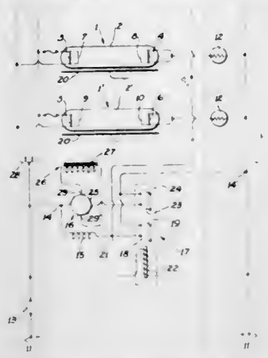
2,586,403

STARTING AND OPERATING CIRCUIT AND DEVICE FOR ELECTRIC DISCHARGE DEVICES

Philippe Waguet, Paris, France, assignor to General Electric Company, a corporation of New York

Application June 16, 1948, Serial No. 33,385
In France June 14, 1947
3 Claims. (Cl. 315—165)

1. Apparatus for operating a gaseous luminous electric discharge device, of the type including a main thermionic electrode and a cooperating main electrode comprising: said device, a unidirectional voltage source, and a ballast resistance; a rotary converter having a direct current field winding, a direct current input winding, and an alternating current output winding; connections from said output winding to said thermionic electrode for heating same; a discharge circuit constituted by connecting said device, in series with said ballast resistance, across said source; a time-delay relay having two sets of contacts respectively connecting said field and input windings across said source, said relay operating to energize in sequence, first said field winding and then said input winding, and said relay then operating to de-energize in sequence after a predetermined time interval, first said input winding and then said field winding; and an auxiliary starting electrode on said device connected to the junction of said field winding with the associated contact of said relay.

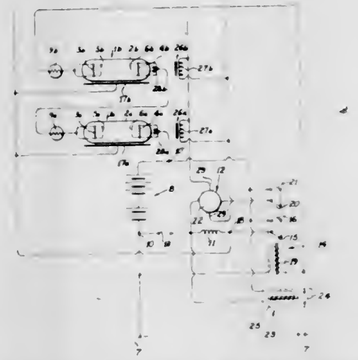


2,586,404

STARTING AND OPERATING DEVICES AND CIRCUITS FOR ELECTRIC DISCHARGE DEVICES

Philippe Waguet, Paris, France, assignor to General Electric Company, a corporation of New York

Application June 16, 1948, Serial No. 33,386
In France June 14, 1947
2 Claims. (Cl. 315—165)



1. Apparatus for operating a plurality of gaseous luminous electric discharge devices, of the type including a main thermionic electrode and a cooperating electrode, comprising: said devices, a unidirectional voltage source, and a ballast resistance; a rotary converter having a direct current field winding, a direct current input winding and an alternating current output winding; a transformer having a primary winding connected to said output winding and a plurality of secondary windings connected to said thermionic electrodes; a main discharge circuit constituted by connecting said devices in series, the thermionic electrode of one being connected to the cooperating electrode of another in sequence, the two remaining main electrodes being connected,
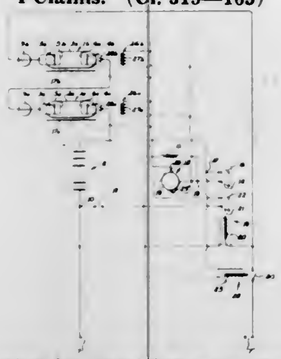
in series with said ballast resistance, across said source; a time delay relay having two sets of contacts respectively connecting said field and said input windings across said source, said relay operating to energize in sequence, first said field winding and then said input winding, and said relay then operating to de-energize in sequence after a predetermined time interval, first said input winding and then said field winding; and auxiliary starting electrodes on said devices connected in common to the junction of said field winding with the associated contact of said relay.

2,586,405

STARTING AND OPERATING CIRCUITS AND DEVICES FOR ELECTRIC DISCHARGE DEVICES

Philippe Waguet, Paris, France, assignor to General Electric Company, a corporation of New York

Application June 16, 1948, Serial No. 33,387
In France June 14, 1947
4 Claims. (Cl. 315—165)



1. Apparatus for operating a gaseous luminous electric discharge device, of the type including a main thermionic electrode and a cooperating main electrode, comprising: said device, a unidirectional voltage source, and a ballast resistance; a rotary converter having a direct current field winding, a direct current input circuit, and an alternating current output circuit; a transformer having a primary winding connected to said output circuit and a secondary winding connected to said thermionic electrode; a main discharge circuit constituted by connecting said device, in series with said ballast resistance, across said source; a time delay relay having two sets of contacts respectively connecting said field winding and said input circuit across said source, said relay operating to energize in sequence, first said field winding and then said input circuit, and said relay then operating to de-energize in sequence, after a predetermined time interval, first said input circuit and then said field winding, and an auxiliary starting electrode on said device connected to one side of the primary winding of said transformer for receiving the voltage induced in said output circuit upon the de-energizing of said field winding.

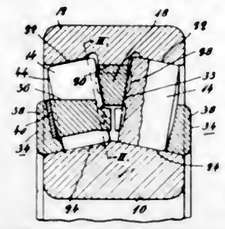
2,586,406

DOUBLE ROW ROLLER BEARING

August Gunnar Ferdinand Wallgren, Stockholm, Sweden

Application June 11, 1947, Serial No. 753,960
In Sweden June 14, 1946
7 Claims. (Cl. 308—214)

1. A double row roller bearing having outer and inner bearing ring members and rollers arranged therebetween, said rollers being axially fixed in both directions by race-ways on the ring members and guide surfaces bearing against one end surface of the rollers, characterized by the provision of supporting members between the rollers, said supporting members being locked by the rollers in a direction out-



wardly from the centre of the bearing, while being rigidly connected with peripherally extending cage rings at the outer sides of the bearing only, there being provided a guide ring forming a separate element between the rows of rollers, said guide ring having the guide surfaces disposed thereon.

2,586,407

PROCESS FOR THE EXTRACTION OF PECTIC SUBSTANCES FROM VEGETABLE MATTER

Conrad Lawrence Walsh and Basil Albert Adams, Bulstrode, Gerrards Cross, England, assignors to A. S. P. Chemical Company Limited, Bulstrode, Gerrards Cross, England, a British company

No Drawing. Application April 7, 1949, Serial No. 86,124. In Great Britain April 13, 1948
6 Claims. (Cl. 260—209.5)

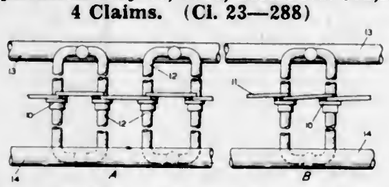
1. An improved process for the extraction of pectic substances from vegetable matter consisting in first passing through a column of the vegetable matter a weak solution of an acid of a concentration not exceeding 1% by weight to replace the calcium and magnesium ions linked with the pectic substances with hydrogen ions, second washing with water the column of vegetable matter treated with said acid solution until said vegetable matter is substantially free from acid, and third treating the vegetable matter resulting from the second step with one of the group consisting of a basic alkali hydroxide, a basic alkali carbonate, a basic alkali bicarbonate, ammonium hydroxide, ammonium carbonate and ammonium bicarbonate to neutralize the insoluble pectic material and obtain a sol of a salt of the pectic substance, said three steps being carried out without agitation of the vegetable matter.

2,586,408

BAFFLE FOR TUBE ASSEMBLIES

Louis J. Weber, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application May 20, 1946, Serial No. 671,107
4 Claims. (Cl. 23—288)



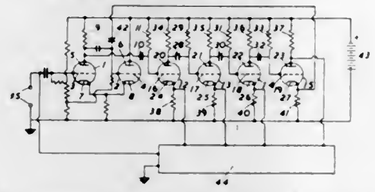
1. In a catalyst case comprising a series of rows of vertical catalyst tubes connected at their upper ends to an upper series of cross header tubes and at their lower ends to a lower series of cross header tubes so as to form two parallel spaced-apart rows of tubes connecting each pair of upper and lower headers, said upper series of cross header tubes being connected to a first conduit and said lower series of header tubes being connected to a second conduit, said arrangement providing for flow of fluids through said catalyst tubes from one of said conduits to the other: a baffle assembly comprising collars fixed on each of said catalyst tubes in a common plane intermediate said headers; a series of flat plates slidably supported on said collars and extending across said case between adjacent rows of said catalyst tubes, said plates being notched to fit loosely around said catalyst tubes and slidably overlapped along their edges so as to form a continuous and gas-tight slidably-expansible baffle across said case, said structure avoiding stress on said tubes and on said plates upon expansion and contraction of the tube and baffle structure and permitting removal of a pair of rows of said tubes with their cross headers by removal of only the baffles adjacent said last-named tubes.

2,586,409

ELECTRICAL PULSE GENERATING CIRCUITS

Eric Lawrence Casling White, Iver, England, assignor to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain

Application June 1, 1948, Serial No. 30,285
In Great Britain June 4, 1947
9 Claims. (Cl. 250—27)



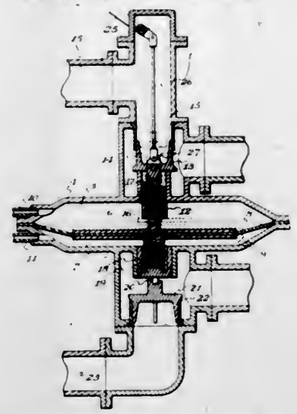
1. An electrical pulse generator comprising a plurality of thermionic valves each having at least an anode, a control electrode and a cathode, an impedance in the anode circuit of each of said valves, a separate leak resistance connecting the control electrode of each valve to a source of standing bias potential to determine a stable state in which each valve tends to remain independently of the remainder of said valves, means including a capacity for feeding to the control electrode of the first of said valves a potential excursion counteracting standing bias applied by the respective leak resistance to change said first valve to an unstable state for a time determined by the time constant of said capacity and respective leak resistance, thereafter said first valve being automatically restored to its stable state, and a separate capacity coupling the control electrode of each successive valve to the anode of each preceding valve, whereby the return of one valve from an unstable to its stable state causes the succeeding valve to change to an unstable state and remain therein for a time determined by the time constant of the respective coupling capacity and leak resistance, whereby changes in the state of the valves causes the generation of a series of pulses of a duration determined by the time constants of the respective coupling capacities and leak resistances and the start of each pulse having its timing determined by the end of the preceding pulse.

2,586,410

LIQUID LEVEL CONTROL

Elmer R. Williams, Tulsa, Okla.

Application May 10, 1946, Serial No. 668,966
6 Claims. (Cl. 137—68)



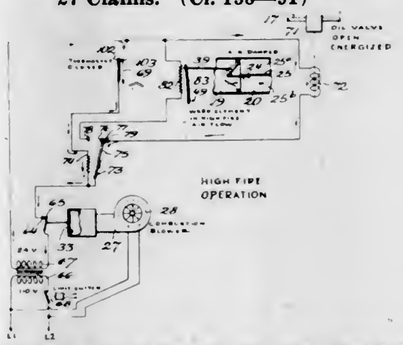
1. A diaphragm controlled valve assembly adapted to maintain a constant liquid level and gas pressure in a receptacle, said assembly comprising a diaphragm casing, a diaphragm in said casing forming the same into an oil chamber and a gas chamber on opposite sides of the diaphragm communicating with the receptacle respectively, below and above the liquid level therein, an oil control valve on the oil chamber side of the diaphragm casing, means whereby oil pressure in the receptacle will maintain said valve open, weight means for closing said oil control valve when the pressure is reduced, a sliding piston within the oil chamber and cooperating with the oil control valve for unseating the oil control valve upon increase of pressure on the oil control valve and in the oil chamber, said piston being operatively connected to the diaphragm, a gas relief valve on the other side of the diaphragm casing and exposed to the gas pressure in the receptacle, a sliding piston within the gas chamber carried by the casing and cooperating with the gas relief valve, said second piston being operatively connected to the diaphragm.

2,586,411

LIQUID FUEL BURNER AND CONTROL

John A. Wilson, Columbus, Ohio, assignor to The Lennox Furnace Co., Marshalltown, Iowa, a corporation of Iowa

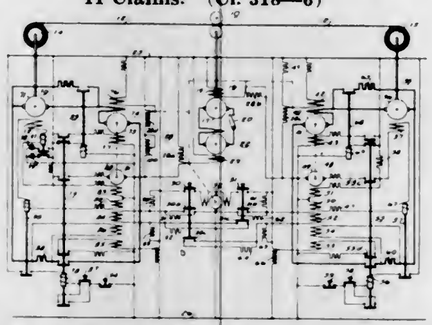
Application July 29, 1948, Serial No. 41,297
27 Claims. (Cl. 158—91)



27. Control apparatus for pot type liquid fuel burners including a pot, a housing forming a

pilot flame chamber disposed therein, and a fuel supply means having its outlet adjacent said pilot flame chamber, said control apparatus including means adapted to increase the flow of fuel to said pot upon a demand for heat and to decrease it when said demand is satisfied, means adapted to supply combustion air to burn said fuel, a divided air duct having one portion thereof adapted to communicate with said pilot chamber and the other portion thereof adapted to communicate with said pot proper, a damper in said air duct arranged to increase and decrease the flow of air to the pot proper and to respectively decrease and increase the flow of air to the pilot chamber, and means for operating said damper in response to the requirements for heat.

2,586,412
CONTROL SYSTEM FOR DYNAMOELECTRIC MACHINES
Amos J. Winchester, Jr., Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1948, Serial No. 34,029
11 Claims. (Cl. 318—6)



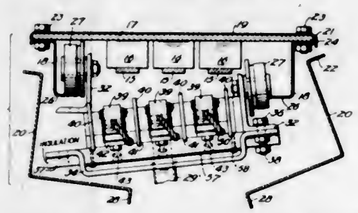
1. A control system comprising, a dynamo-electric machine having an armature and having a field winding, an additional dynamo-electric machine having an armature connected in electrical energy transferring relation with the armature of the first mentioned dynamo-electric machine, and having a field winding, circuit means connecting the field winding of the additional dynamo-electric machine to a source of substantially constant voltage a regulating generator of the self-energizing type connected to respond to the armature current of the first mentioned dynamo-electric machine, and circuit means connecting said regulating generator in circuit relation with the field windings of both dynamo-electric machines to energize the field winding of the first mentioned dynamo-electric machine and to energize the field winding of the additional dynamo-electric machine cumulatively with the source, to regulate operation of both dynamo-electric machines.

2,586,413
PROCESS AND DEVICE FOR MAKING CONCRETE STRUCTURES
Federico Antonello, Rebbio, Italy
Application June 7, 1947, Serial No. 753,204
In Italy June 22, 1946
6 Claims. (Cl. 25—118)



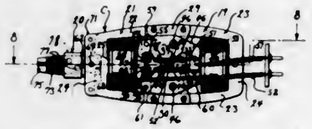
3. A device for producing laterally closed, box-shaped concrete elements having open ends, said device comprising envelope means consisting of a plurality of panels having edges hinged together and two extreme lateral free edges, said envelope means being placed in a plane for pouring a flat layer of concrete thereupon, collapsible holding means placed on top of the concrete individually opposite said panels, and removable clamping means for individually clamping the holding means in uncollapsed condition to its opposite panel, said envelope means being folded about its hinged edges for bending the concrete to the desired configuration and bringing the free edges together, and said clamping means being removed for collapsing said holding means and withdrawing same through an open end of the finished concrete element.

2,586,414
TROLLEY FOR ELECTRIC POWER DISTRIBUTION SYSTEM
Charles E. Barkis, San Francisco, Calif., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Original application August 14, 1946, Serial No. 690,581, now Patent No. 2,568,480, dated September 18, 1951. Divided and this application March 15, 1949, Serial No. 81,452
3 Claims. (Cl. 191—45)



1. A trolley collector for a power distribution system comprising an insulating transverse supporting means, angle pieces having outwardly extending feet detachably secured along the opposite side edges thereof, supporting rollers carried by the opposite ends of the upright flanges of said angle pieces, conductor bars carried by said supporting means between said angle pieces, contact brushes resiliently mounted on said conductor bars and distribution conductors connected to the ends of the conductor bars.

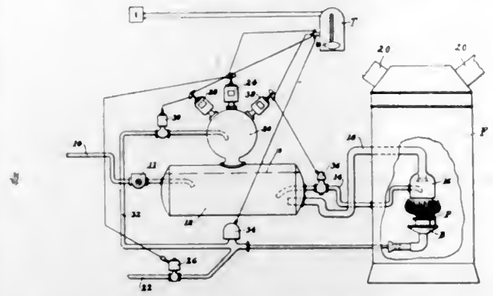
2,586,415
CLIPPER AND ELECTRIC MOTOR THEREFOR
Julius W. Boerger, Racine, Wis., assignor to All-over Manufacturing Company, Racine, Wis.
Application July 29, 1949, Serial No. 107,403
4 Claims. (Cl. 172—36)



3. In an electric motor to operate on A. C. or D. C. current, a longitudinal field frame including field poles arranged diametrically opposite each other, said field poles being provided with field windings, an armature shaft rotatably carried by the frame, an armature having three field poles secured to the armature shaft to rotate with the armature shaft in said field frame between the field poles, said armature shaft having a triangular shaped timing head including flat sides and

cam points, a circuit maker and breaker actuated by the timing head to alternately close the circuit to said field windings, thereby creating six current impulses made up of three pulses in each field pole for each revolution of the armature, said cam points being slightly off the radial center of each armature pole, and means electrically connecting a current source to the circuit maker and breaker and field coils.

2,586,416
GAS CONVERSION APPARATUS
Daniel F. Buckley, Belmont, Mass.
Application September 15, 1947, Serial No. 774,096
8 Claims. (Cl. 158—53)



1. In combination, a retort, a heating burner adapted to heat said retort, a container having a portion to hold liquid fuel and another portion to hold gas, an oil supply conduit in communication with and extending from said container to said retort, a valve in said oil supply conduit, another conduit in communication with and extending from said container to said retort for vapor gas to pass from said retort to said container, a gas supply conduit extending from the gas holding portion of said container to said burner, a valve control device connected to said container gas holding portion operable by gas pressure therein, means operably connecting said device to said oil supply conduit valve, said valve control device being adapted to open and to close said oil supply conduit valve when the pressure of gas in said container gas holding portions falls or rises respectively to predetermined points, a valve in said gas supply conduit, a valve control device connected to said container gas holding portion operable by gas pressure therein, means operably connecting said latter device to said gas supply valve, said latter valve control device being adapted to open and to close said gas supply conduit valve when the pressure of gas in said container gas holding portion rises or falls respectively to predetermined points.

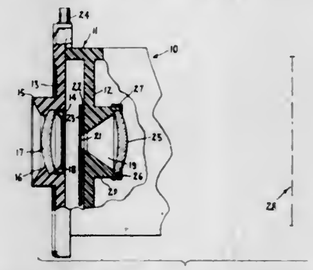
2,586,417
CLAMPING DEVICE FOR ADJUSTABLE HEADRESTS
Henry B. Cole, East Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 9, 1949, Serial No. 75,419
9 Claims. (Cl. 155—177)

1. An adjustable support for a head rest comprising a pair of members each having bifurcated ends with a shaft fixedly carried by each of said ends and extending transversely of the bifurcations, a clamp arm having bearing portions adjacent its opposed ends lying within the respective bifurcations and through which the respective shafts are extended, said clamp arm having a slot extending longitudinally thereof and communicating with the respective bearing portions so as to produce spaced intermediate portions with one of said portions being movable toward the other and having an opening therethrough, a connecting member extending freely through said opening and having a portion adjustably secured to the other of said intermediate portions, a bearing plate located over the free end of said connecting member and movable therewith, a clamp member pivotally carried by the free end of said connecting member and having a portion engaging the bearing plate, said



clamp member further having a handle portion extending longitudinally of the spaced intermediate portions which when moved in one direction will cause said clamp member to bear upon the bearing plate to move the adjacent intermediate portion toward the other thereof to cause said respective bearing portions to frictionally grip the shafts and when moved in the opposite direction will release said frictional grip of said bearings, and adjusting means for adjustably positioning the bearing plate against the adjacent intermediate portion and holding said clamp member and handle portion against sidewise displacement during movement thereof about the pivot.

2,586,418
TWO ELEMENT PHOTOGRAPHIC LENS SYSTEM
John K. Davis, East Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 29, 1950, Serial No. 187,513
5 Claims. (Cl. 88—57)



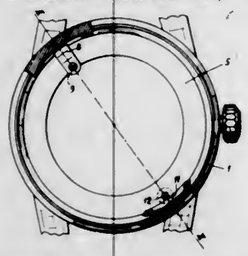
1. A photographic objective comprising two substantially identical meniscus components axially aligned with one another with a member having a restricted opening therebetween and concave toward the center of the objective, said components having refractive indices of approxi-

mately 1.523, said objective being computed for a back focal length of approximately 53.44 mm. and conforming substantially to the specifications in the following table:

Lens	Radii	Thicknesses
I	R_1=23.22 mm	t_1=2.78 mm.
	R_2=35.19	s_1=11.15.
II	R_3=35.19	s_2=11.15.
	R_4=23.22	t_2=2.78.

wherein the components are numbered by Roman numerals in order from front to rear, and the radii of curvature R, the thicknesses t and the spaces s are specified in the second and third columns, each being numbered in order from front to rear.

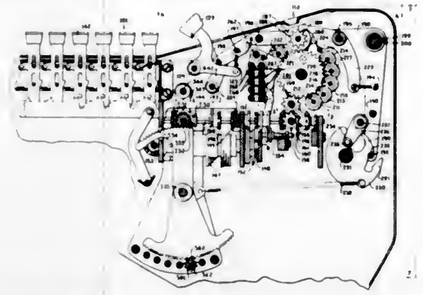
2,586,419
WATCH MOVEMENT FASTENER
Edouard Ditesheim, La Chaux de Fonds, Switzerland
Application April 3, 1951, Serial No. 219,091
In Switzerland April 6, 1950
1 Claim. (Cl. 58—88)



In a timepiece with automatic winding by means of an oscillating mass, comprising a case in which is provided a cavity, a movement provided with a flange and two devices situated substantially at 180° from one another for fixing said movement in said case, one of these devices comprising a resilient tongue removably attached by one of its extremities to the movement, the free extremity of this tongue bearing in said cavity so as to press said flange of the movement against the outer face of a wall of this cavity, the feature that a block is used as an abutment for the mass and that the second device for fixing the movement into the case is situated in said block.

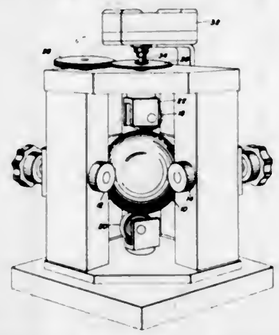
2,586,420
PRINTING MECHANISM FOR ADDING MACHINES
Grant C. Ellerbeck, Hayward, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application August 12, 1946, Serial No. 690,004
11 Claims. (Cl. 235—60.18)

1. In a business machine, a plural order keyboard, selecting mechanism settable thereby, a unidirectionally rotatable cyclic actuating means, plural order drive transmitting means associated with said actuating means and being differentially drivable thereby according to the setting of said selecting mechanism by said keyboard, a member operatively connected to each order of said drive transmitting means and being rotatable cyclically thereby a differential amount corresponding to the setting of said selecting mechanism, printing mechanism including a set of "0" to "9" type for each of said members, motion transmitting means intermediate each member and its set type, whereby operation of said actuating means, said drive transmitting means, said rotatable members, and said motion transmitting means drives the type in the printing mechanism to set them to the value set in the



keyboard, and means operable by said actuating means for disconnecting said motion transmitting means after the type has been set to the value to thereby interrupt the drive from said members to said printing mechanism.

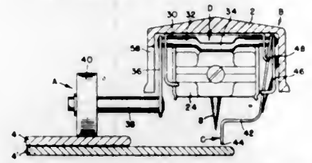
2,586,421
COMPUTING DEVICE
Dundred D. Evers, La Jolla, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application August 25, 1945, Serial No. 612,677
1 Claim. (Cl. 74—198)



In a computing device for determining the magnitude and direction of the vector quantity which is the resultant of two rectangular component vector quantities, a ball, a plurality of rollers rotatable about axes lying in an equatorial plane of the ball and having rolling engagement with the ball at spaced sections of an equatorial line defined by the intersection of said plane with the surface of said ball, two of said equatorial rollers having their axes disposed in perpendicular directions and constituting input rollers provided with drive means for imparting rotation to the ball at rates commensurate with the magnitudes of said component vector quantities, two casters supported for rotation about the polar axis normal to said equatorial plane, said casters having their roller axes laterally offset from their caster axes and having their rollers trailing in rolling engagement with the ball at opposite polar regions surrounding said polar axis, means connected to one of said casters for indicating the direction of trail of said caster and thus the direction of said vector quantity to be determined, driven means, and means transmitting rotary motion from one of said caster wheels

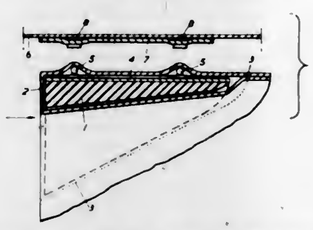
to said driven means to drive said driven means at a rate commensurate with the magnitude of said vector quantity to be determined.

2,586,422
TONE ARM INDEXING APPARATUS
Berne N. Fisher, New York, N. Y., assignor to General Instrument Corporation, Elizabeth, N. J., a corporation of New Jersey
Application November 6, 1946, Serial No. 708,055
16 Claims. (Cl. 274—1)



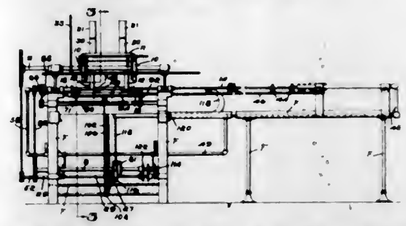
1. An indexing apparatus for a tone arm carrying a stylus adapted to move inwardly of a record, comprising a first means carried by said tone arm for engaging the top surface of said record and movable between a position below the stylus tip for holding said stylus above the level of said record and a position even with or above the stylus tip for depositing the stylus thereon, mechanism operatively connected to said first means for maintaining said first means in its stylus-holding position, and a second means mounted on said tone arm so as to be movable with respect thereto, in a direction substantially parallel to the movement of said stylus inwardly over said record, between an inoperative position and an operative position in which it is operatively connected to said mechanism and effective to release said mechanism from said first means, said second means depending below and to one side of said first means when said first means is in its stylus-holding position, said second means thus being brought into contact with the periphery of said record as the tone arm moves inwardly with respect thereto and being moved thereby to its operative position, said first means being thereupon movable to its stylus-depositing position.

2,586,423
SHOULDER PAD FOR GARMENTS
Samuel Frais, usually known as Sam Frais, London, England, assignor to Parapads Limited, London, England, a company of Great Britain
Application October 24, 1950, Serial No. 191,841
4 Claims. (Cl. 2—268)



1. A shoulder pad for garments comprising a pre-shaped resilient body portion, substantially rigid garment securing means for said pad secured to said body portion and projecting outwardly of the surface of said body portion, and an imperforate casing completely enclosing said body portion and said securing means, the said securing means being adapted to be forced through said casing into garment engaging position.

2,586,424
TUBE SECTIONING MACHINE
Marshall E. Gazette, Roslindale, Mass., assignor to Hercules Container Corp., Boston, Mass., a corporation of Massachusetts
Application August 19, 1947, Serial No. 769,375
4 Claims. (Cl. 164—69)



1. In a tube-sectioning machine of the type wherein there is a tube hopper, means for removing tubes singly therefrom to mandrel-receiving position, a mandrel, means reciprocating said mandrel into and from successive tubes, tube cutting means, and means for stripping the cut sections from the mandrel; in combination, a V-cradle to which said removing means delivers each tube, and wherein gravity positions each tube at the vertex, this being a mandrel-receiving position, mandrel rotating means including a rotary open ended clutch having a spring collet seated against a sleeve fixed therein, this collet being aligned as a target behind said mandrel-receiving position at the vertex and clutching the leading end of the mandrel, said mandrel being connected to a wheeled supporting carriage, and parrallel tracks on which the carriage is supported and along which the carriage is thrust by said reciprocating means for imparting swift motion to the mandrel on a course leading it through the tube at the mandrel-receiving position.

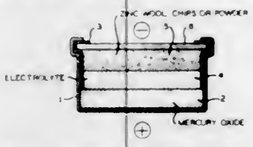
2,586,425
METHOD OF IODINATING PROTEINS
William R. Graham, Jr., Kansas City, and George O. Kohler, Mission, Kans., and Richard D. Hoover, Kansas City, Mo., assignors to American Dairies, Incorporated, Kansas City, Mo., a corporation of Maryland, and The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, jointly
No Drawing. Application October 13, 1947, Serial No. 779,644
1 Claim. (Cl. 260—112)

A method of iodinating a proteinaceous material including the step of adding to the material free iodine in the presence of sodium-paratoluenesulfonchloramine.

2,586,426
GALVANIC PRIMARY CELL
Anders Erik Grusell, Enskede, and Helge Olof Anders Sandmark and Erik Gustaf Hysing, Stockholm, Sweden, assignors to Aktiebolaget Kontrollinstrument, Stockholm, Sweden, a corporation of Sweden
Application February 3, 1948, Serial No. 5,956
In Sweden January 18, 1947
3 Claims. (Cl. 136—107)

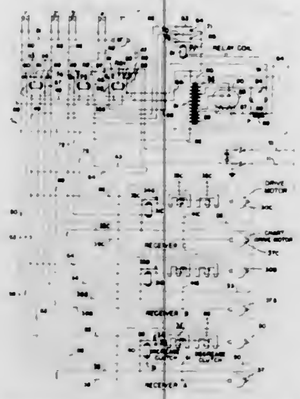
1. A galvanic, primary, dry cell having as its positive electrode substance a depolarizing oxide of a metal in substantially finely divided form, zinc as its negative electrode substance, and an electrolyte between them, and in electronically-conductive contact respectively with them, characterized by the fact that finely powdered

graphite is dispersed throughout the positive electrode depolarizing oxide of a metal and the zinc



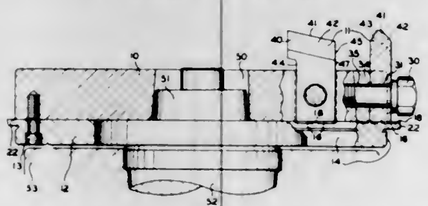
constituting the negative electrode substance is present in the form of compressed zinc threads.

2,586,427
TELEMETRIC APPARATUS
Walter A. Hagenau, Providence, R. I., assignor to Builders Iron Foundry, Providence, R. I., a corporation of Rhode Island
Application October 29, 1948, Serial No. 57,269
10 Claims. (Cl. 177—351)



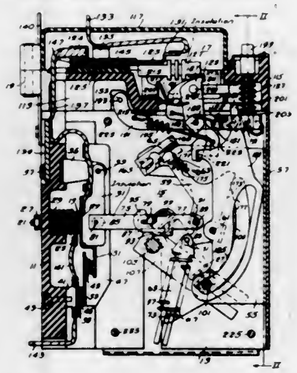
3. Telemetric apparatus comprising a plurality of receivers each comprising a motor and clutches operable thereby in opposite directions, a relay in each receiver responsive to cyclical impulses in a signal channel for energizing one of said clutches for the duration of an impulse in each signaling cycle and for energizing the other of said clutches for the remainder of said cycle, and timing means for setting the received motors in operation successively for predetermined periods and for connecting said receiver relays successively for response to impulses in said channel during said periods.

2,586,428
GEAR CUTTER
Herbert G. Hartman, Irondequoit, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application May 31, 1946, Serial No. 673,382
7 Claims. (Cl. 29—105)



1. A face mill gear cutter comprising a rotary head having a plurality of blade-receiving slots around its periphery, a cylindrical truing disc secured to one of the side faces of the head, a plurality of removable cutting blades, which have their cutting portions projecting beyond the other side face of the head and which have corresponding side cutting edges and which are secured, respectively, in separate slots, coaxially with the head with their bottoms seating against one side face of said disc, and means for adjusting the blades individually radially of the axis of said head, said disc having an outside, cylindrical, uninterrupted peripheral, ground surface, ground coaxial with the head, whereby to serve for truing and positioning the cutter for use.

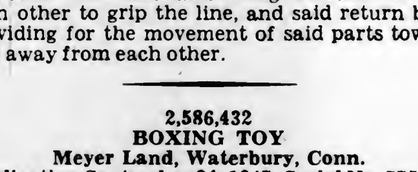
2,586,429
CIRCUIT BREAKER OPERATING MECHANISM
John K. Hodnette and Merrill G. Leonard, Sharon, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 5, 1947, Serial No. 759,272
5 Claims. (Cl. 200—116)



5. In a circuit breaker comprising relatively movable contact means, operating mechanisms for said contact means comprising an operating shaft, manual means for operating said shaft, a pair of spaced arms on said shaft, said arms being provided with radially extending parallel slots, an actuating member, an overcenter spring having one end connected to said actuating member and operable to operate said actuating member, an element engaging said parallel slots for supporting the other end of said overcenter springs, cam means disposed adjacent said spaced arms to effect radial movement of said element relative to said arms upon operation of said arms, a toggle operable by said actuating member to open and close said contact means, and trip means operable at times to effect operation of said toggle independently of said actuating member to effect automatic opening of said contacts.

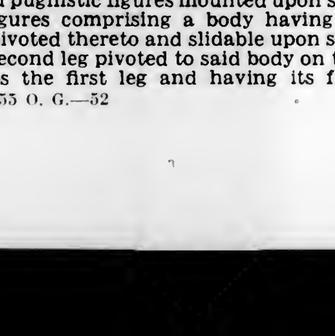
2,586,430
CHART READING DEVICE
Philip B. Keller, Santa Monica, Calif., assignor to North American Aviation, Inc.
Application April 14, 1947, Serial No. 741,398
1 Claim. (Cl. 33—125)

A measuring device for a record strip having one or more curves transcribed thereon comprising indexing means to be positioned at a selected point on said strip, a second indexing means including a pivotally adjustable inclined surface operatively associated with said first indexing means and movable in an ordinate direction with respect thereto; a dial indicator carried by said first indexing means and having a stem engaging



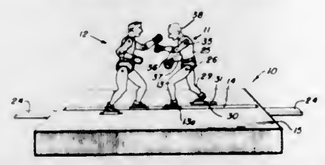
said inclined surface, the axis of said stem intersecting the center of pivotation of said inclined surface, whereby the relative positions of said indexing means are read on said dial indicator.

2,586,431
FISHHOOK EXTRACTOR
Paul L. Krichbaum, Brighton, Mich.
Application May 26, 1947, Serial No. 750,431
4 Claims. (Cl. 43—53.5)



4. A fishhook extractor comprising a tubular portion having an opening extending throughout its length for the passage of a line into said tubular portion and a grip portion at one end of said tubular portion, said grip portion having a generally flat part in connection with said tubular portion adjacent the opening, a second generally flat part normally spaced from said first mentioned part and a resilient return bend connecting said parts, said parts forming a space to receive the line and being movable toward each other to grip the line, and said return bend providing for the movement of said parts toward and away from each other.

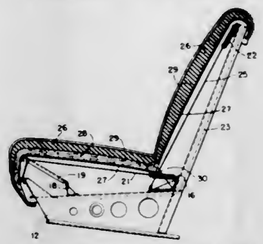
2,586,432
BOXING TOY
Meyer Land, Waterbury, Conn.
Application September 24, 1947, Serial No. 775,935
1 Claim. (Cl. 46—142)



In a boxing toy, a base, a pair of longitudinally opposed pugilistic figures mounted upon said base, each figures comprising a body having one leg freely pivoted thereto and slidable upon said base, and a second leg pivoted to said body on the same pivot as the first leg and having its foot held

fixed upon a pedestal which is vertically movable on said base, said second leg having a releasable spring clip and pin connection with said body, said clip being U-shaped and having a horizontal free arm attached to the lower end of said body, the lower arm of said clip having a downwardly concave recess for releasably engaging with a snap action a horizontal pin mounted on said second leg below the pivot point, whereby said body will normally be held in an erect position and will move as a unit with said second leg, but will be capable of swinging backwardly in response to a blow upon any part of said body from the opposing pugilistic figure to simulate a "knockout," said body being restorable to erect position by manually swinging it in reverse direction until said clip recess snaps over said pin.

2,586,433
SEAT
Gerhard J. Lepp, Cuyahoga Falls, and Ralph C. Bateman and Keith L. Emberson, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application March 26, 1946, Serial No. 657,192
3 Claims. (Cl. 155—179)

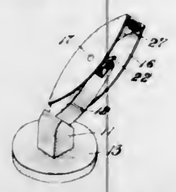


1. In a seat, a frame, a plurality of coil springs secured to a rear portion of said frame, a plurality of support arms pivotally secured at one end to said frame adjacent the front thereof, said arms being positioned for movement outwardly and downwardly of but within the confines of the seat, a plurality of wires each of which is secured to and extends between the free end of one of said arms and one of said springs so as to support said arms resiliently, means for limiting the upward movement of said support arms secured to said frame and the free ends of such arms, a burlap sheet having transversely extending reenforcing wires therein carried by said wires, a thin layer of cushioning material positioned on said burlap sheet and extending over the front ends of said support arms, a thin contoured layer of sponge rubber carried by said cushioning material, and a cover positioned over said sponge rubber layer and secured to said frame for retaining the seat components in proper relation.

2,586,434
PIVOTED HEAD CUFF LINK
Clement S. Marien, Attleboro, Mass., assignor to Swank, Inc., a corporation of Delaware
Application March 16, 1951, Serial No. 216,016
3 Claims. (Cl. 24—97)

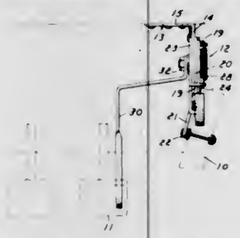
1. A cuff link comprising a post bifurcated to provide spaced ears, a channel shaped head having its side walls straddling said post, a pin extending through said side walls and the ears of the post pivotally mounting the head on an end of the post, a pair of springs between said ears embracing said pin, both springs acting between said post and head when the head is at

right angles to the post and one spring acting between the post and head to urge it to said right angular position when the head is swung in one



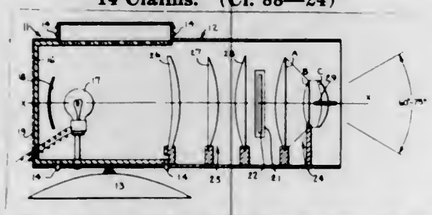
direction about its pivot to align with the post, and the other spring similarly acting when the head is swung in the other direction about its pivot to align with the post.

2,586,435
LATCH FOR THROTTLE CONTROL PEDALS
George W. Peterman, Milford, Mich.
Application May 22, 1950, Serial No. 163,414
9 Claims. (Cl. 192—3)



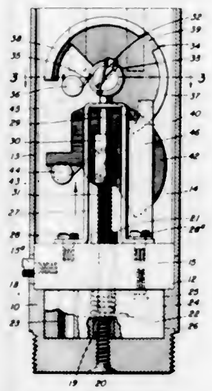
1. In combination with an engine throttle control member mounted on a support for movement in one direction to open the throttle and for movement in the opposite direction for closing the throttle, a releasable latch for holding the control member in different positions of adjustment, said latch having a bracket attachable to the support and having an internally threaded opening in the bracket, a part extending axially through the opening and threadably engaging the bracket, a first arm journalled on the part adjacent one side of the bracket and connected to the control member, and a second arm rotatable as a unit with said part and supported adjacent the first arm in a position to clamp the first arm against the bracket upon rotation of the part by the second arm in a direction opposite the direction of movement of the control to open the throttle.

2,586,436
WIDE ANGLE OBLIQUE PROJECTION SYSTEM
Paul Planer, New York, N. Y.
Application July 14, 1950, Serial No. 173,795
14 Claims. (Cl. 88—24)



1. In a wide angle objective system, in combination, a front lens component, a rear lens component, and an intermediate lens component disposed substantially midway between said front and rear lens components and having a diameter substantially of the size of that of said front lens component, said rear lens component having a diameter considerably larger than that of either of the other lens components, said front lens component having a focal length of from 1.6 to 2.3 times that of the system, said rear lens component having a focal length of from 3.0 to 4.0 times that of the system, and said intermediate lens component having a focal length of from 1.6 to 2.5 times that of the system.

2,586,437
POWDER TRAIN INTERRUPTER
Jacob Rabinow, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy
Application November 13, 1943, Serial No. 510,239
2 Claims. (Cl. 102—78)



1. In an inertia-operated arming device, an element rotatable from an unarmed to an armed position and having an explosion discharge passage, said passage being inoperative when said element is in its unarmed position, biasing means tending to cause rotation of said element to its armed position, a pin normally engaging said rotatable element to retain said element in its unarmed position, biasing means tending to move said pin out of engagement with said rotatable element, a cam normally retaining said pin in engagement with said rotatable element, biasing means tending to move said cam for disengagement of the pin from said rotatable element, means for holding said cam in engagement with said pin comprising a flanged inertia element movable with said cam, and a second inertia element having a flange adapted to engage a flange of said first inertia element, sustained acceleration of the device and substantial cessation of said acceleration causing movement of said cam for disengagement of said pin from said rotating element, whereby said rotating element is free to move to its armed position.

2,586,438
STEROL ESTERS OF NICOTINIC ACID
Hans Reinhard Rosenberg, Bound Brook, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1949, Serial No. 102,139
8 Claims. (Cl. 260—239.5)

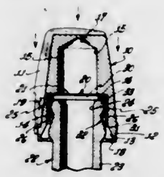
1. A sterol ester of nicotinic acid.

2,586,439
OPHTHALMIC MOUNTING
Virginia B. Royce, Chicago, Ill., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 29, 1948, Serial No. 67,789
4 Claims. (Cl. 88—41)



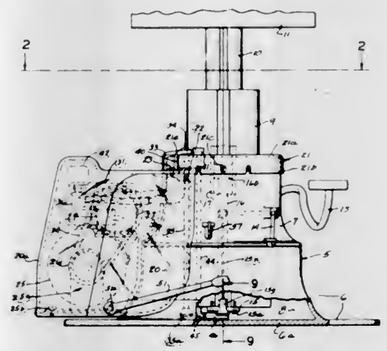
4. A lens supporting structure for interchangeably supporting lenses in an ophthalmic mounting, said supporting structure comprising a pair of lens rims, a bridge member connecting said lens rims, and temple connection means on the temporal sides of said rims, the upper portion of said rims and bridge member being formed to a given controlled contour shape, and each of said rims having an inner lens receiving groove extending throughout the sides and lower portions thereof, the upper portions of said rims having a longitudinal slot communicating with said grooves and of a length substantially equal to the major width of the lens to be positioned within the groove of the rim whereby the lenses to be supported by said mounting may be positioned within the grooves of the rims by insertion thereof through the slots, and bar-like means of a length sufficient to straddle the distance between the extremities of the respective slots and having a lower surface portion extending throughout the length thereof shaped substantially to the contour shape of said upper portions of the rims and to fit in intimate relation therewith when the lenses are properly positioned within the lens receiving grooves, and said bar-like means having portions on the under side thereof shaped to receive connection means for attaching and retaining the lenses in proper aligned relation on said means, whereby bar-like means and lenses having different characteristics may be formed as units for interchangeable use with said structure.

2,586,440
BOTTLE CLOSURE
William Satz, Los Angeles, Calif.
Application October 21, 1950, Serial No. 191,364
2 Claims. (Cl. 215—45)



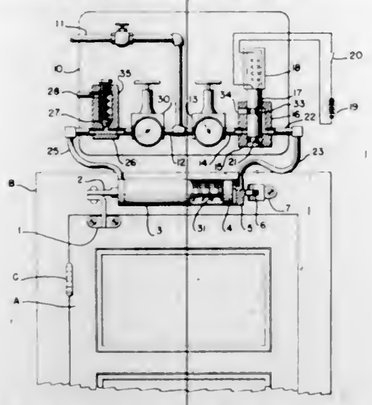
1. A closure for a receptacle of the character described having a beaded neck, said closure comprising an elongated hollow body portion extended to provide a firm hand grip and open at one end by a boring, the walls of which define stepped sections comprising an inner section and an outer larger section, the inner section of which boring is substantially cylindrical and has a shouldered end, said outer boring having the wall defining the same terminating in an inwardly turned rim defining the mouth of the outer boring section, a slidable sealing device within said boring comprising a closure disk fitting snugly within said first section of said boring and slidably movable from one section to the other, said closure disk having outwardly flared spring spokes extending from the periphery thereof and bent to engage the walls of the boring, each spoke including inwardly turned bead engaging portions which in their outwardly flared position in the larger section of the boring are engaged by the rim to remove the closure disk from engagement with the neck of the receptacle by the removal of the body portion and when slid in the boring in the inner section directs the ends of the spokes into engagement with the beaded neck of the receptacle.

2,586,441
MOTOR-PUMP ATTACHMENT FOR FOOT PUMP DENTAL CHAIRS
Eli P. Schwartz, Clayton, and Charles W. Meyer, St. Louis, Mo., assignors, by mesne assignments, to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware
Application March 28, 1946, Serial No. 657,828
5 Claims. (Cl. 60—52)



3. An attachment for a chair having a pedestal, a sump in said pedestal, hydraulic cylinder elevating mechanism comprising a channeled valve strip connected to said mechanism, foot-operated pump means for supplying fluid under pressure from said sump to said valve strip for operating said mechanism, and valve means for venting said valve strip to said sump, said valve strip having a threaded bore communicating with the channel thereof and opening outwardly through a side of said strip, said attachment comprising an electric motor and pump unit for operating said mechanism, a connection between the intake port of said motor-driven pump and said sump, a connection between the delivery port of said motor-driven pump and said valve strip including a channeled valve casing having a bore communicating with the channel thereof and opening outwardly through opposite sides of said casing, and a threaded bolt passing through the bore of said casing and engaging the bore of said valve strip for securing said casing and valve strip together with said bores thereof in communication with each other, said bolt having a channel therein for connecting the channels of said casing and valve strip, a check valve in said connection, and means for controlling the operation of said motor.

2,586,442
PNEUMATIC DOOR OPERATING MECHANISM
Nils G. Seagren, South Pasadena, Calif., assignor, by mesne assignments, to Astra Engineering Company, a corporation of California
Application March 4, 1950, Serial No. 147,714
4 Claims. (Cl. 268—66)



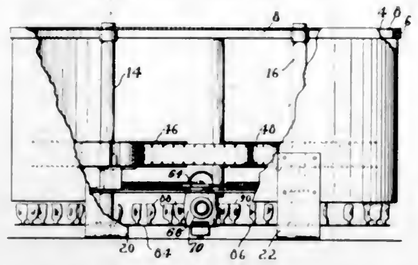
1. A fluid pressure opening and closing device for a door pivotally hung on a wall, said device including a cylinder, a piston therein, the rod of the piston extending through one end of the cylinder, means pivotally securing the end of the piston rod and the other end of the piston to the door and the wall respectively, a conduit having extensions for carrying pressure fluid to both ends of the cylinder, a high pressure regulator in the extension leading to the space in front of the piston, a low pressure regulator in the extension to the space behind the piston, means controlling the flow of fluid through said high pressure extension, an exhaust valve in the low pressure extension beyond the low pressure regulator, and means for adjusting the tension of exhaust valve to yield to the high pressure flow and to check the low pressure flow.

2,586,443
COMBINED POSTAL SCALE, CHECK PROTECTOR, AND LETTER OPENER
Charles L. Skelley, New York, N. Y.
Application January 17, 1950, Serial No. 139,091
7 Claims. (Cl. 265—49)



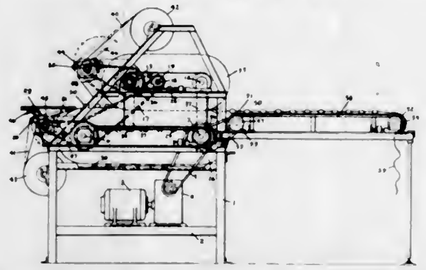
1. A combined postal scale, check protector and letter opener, comprising a sleeve-like barrel having a rotative knurled roller mounted at one end, spring means for urging said roller against the end of said barrel and enabling a letter to be gripped between the roller and the end of the barrel, a scale pivot-member slidable inside of the body member to locate it at any one of a number of weighing positions, a pivoted finger-piece attached to the pivot member, and a letter-opening blade at the end of the barrel remote from the roller, said blade being longitudinally shiftable in the barrel to secure proper balance of the scale.

2,586,444
FILM TREATING TANK WITH HYDRAULICALLY DRIVEN FILM SPOOLS
John Wesley Smith, Norristown, Pa., assignor to Philadelphia Air Transport Company, Conshohocken, Pa., a corporation of Pennsylvania
Application January 9, 1947, Serial No. 720,973
7 Claims. (Cl. 242—55)



1. A photographic film treating tank comprising a pair of rotatable film-carrying elements, means for securing the ends of a film to said elements, selective hydraulic driving means for said elements comprising a pair of turbine wheels mounted within said tank and associated with the respective elements, and means for reversing the direction of drive by said turbine wheels when the film is unwound from one element upon the other, the last mentioned means including an element selectively movable to cause a jet to be directed to one or the other of said wheels.

2,586,445
PACKAGING MACHINE
Joseph F. Stalter, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application June 2, 1947, Serial No. 751,699
4 Claims. (Cl. 18—19)

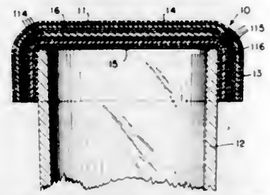


2. In a wrapping machine, two continuous sponge rubber belts of the same width mounted on parallel axes with a parallel stretch of one in pressure contact with a parallel stretch of the other so as to exert resilient pressure on objects and wrapping material placed between them and on each side of the sponge rubber belts and on axes perpendicular to said axes a belt adapted to move in pressure contact with the sides of said sponge rubber belts to prevent the growth thereof as pressure is applied thereto.

2,586,446
RECEPTACLE CLOSURE
George W. Stockburger, St. Louis, Mo.
Application September 5, 1947, Serial No. 772,378
5 Claims. (Cl. 215—38)

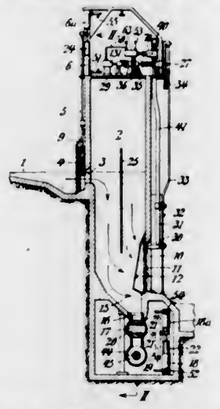
1. A gas impervious and liquid tight closure for a glass receptacle having side wall portions sur-

rounding an end opening in the receptacle and an end wall at the extremities of said side wall portions, said closure comprising regenerated cellulosic sheet material having an adherent thermosetting anchor coating of a material from the group consisting of phenol aldehyde and urea aldehyde covering the faces thereof, and a normally dry heat softenable plastic cement coating of a material from the group consisting of plasticized nitrocellulose, vinyl acetate and vinyl chloride copolymer, polyvinyl chloride, polyethylene, rubber hydrochloride, polystyrene and plasticized nitrocellulose and gum dammar, in adherent engagement with each of the anchor coatings, said closure having a flat central portion disposed over the end opening of the recep-



tacle and with the cement coating thereon in adherent engagement with said end wall and having a skirt extending downwardly from said central portion and disposed along the outer side wall portions of the container surrounding said end opening and with the cement coating thereon in adherent engagement with said side wall portions, said skirt having along the lower margin thereof a mutiplicity of crimps in overlapping relation and with the cement coating thereon in adherent engagement with the cement coating on adjacent portions of said skirt, said anchor coatings being in heat set condition and maintaining the shape of the closure and enhancing the rigidity thereof, and said cement coating having greater adherence to the anchor coating than to said receptacle.

2,586,447
APPARATUS FOR SEPARATING SOLIDS FROM A LIQUID BODY
Alben Warren Way, Philadelphia, Pa.
Application May 7, 1946, Serial No. 667,937
6 Claims. (Cl. 210—43)



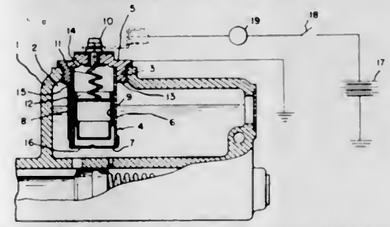
1. In apparatus for separating solids from a liquid, including a screened retention chamber having a region wherein a substantially homogeneous concentrate is formed by gradual accumulation of said finely divided solids, said chamber having an outlet opening for the discharge of screened liquid and also having another outlet opening for said homogeneous concentrate, a conduit penetrating said chamber having means for effecting periodic withdrawals of samples of the concentrate from said region of said chamber to an exterior fluid receptacle, testing means in said receptacle for testing the density of the samples thus withdrawn, and flow controlling means connected to the concentrate outlet opening and responsive to the action of the density testing means for opening the concentrate outlet opening and thereby automatically discharging the entire content of the chamber when the concentrate therein has acquired a predetermined density.

2,586,448
THERMOMETER CASE
Joseph J. Weber and Robert M. Wilhelm, New York, N. Y., assignors to Miller & Weber, Inc.
Application November 18, 1949, Serial No. 128,064
4 Claims. (Cl. 206—165)



1. The combination with a thermometer having a body of substantially uniform diameter, an enlarged grasping end member and a shoulder below of a case therefor, said case being of resilient metal and being slotted through its upper end to provide elongated spring fingers parallel to the longitudinal axis of the case, the free ends of said spring fingers curving inwardly to define an upper end opening having a diameter normally smaller than the diameter of said thermometer body so as to normally seat themselves on said shoulder of the thermometer.

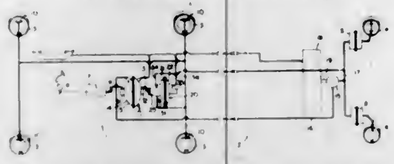
2,586,449
LIQUID LEVEL INDICATOR
Owen M. Whitten, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application June 6, 1949, Serial No. 97,406
2 Claims. (Cl. 200—84)



1. A liquid level indicator comprising an electrical conducting body, an insulator tube de-

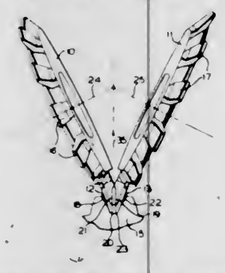
pending from said body, an electrical conducting float vertically movable within said tube, an electrical conducting contact extending over the lower end of said tube and having a restricted passage for liquid, means for electrically connecting said body and contact, an electrical conducting terminal mounted on and insulated from said body and flexible means for electrically connecting said float and terminal.

2,586,450
CONTROL DEVICE
Owen M. Whitten and Rupert L. Atkin, Detroit, Mich., assignors to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application July 8, 1948, Serial No. 37,668
11 Claims. (Cl. 188—3)



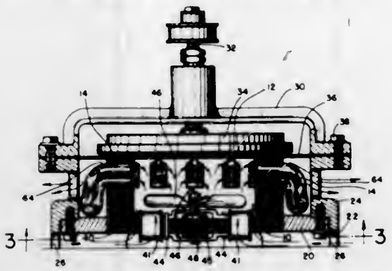
1. A control device for restraining power operation of a brake fluid containing tractor power device when energized comprising a housing having a pair of chambers in communication with each other, a port opening into one of said chambers for conducting brake fluid from the tractor power device to said last mentioned chamber and a second port for conducting brake fluid to a tractor brake actuator, a valve having a part movable within one of said chambers and subject to the pressure of the brake fluid in said last mentioned chamber and in closed position closing the communication between said last mentioned chamber and second port, spring means operatively connected to said valve to move the same to open position, differential air pressure operated means for controlling the operation of said spring means, and means operatively connected to said valve to move the same to open position independently of said spring means, said last mentioned means being within the other of said chambers and having an area greater than the effective area of said valve part.

2,586,451
CUTTER FOR GEARS, FACE COUPLINGS, AND THE LIKE
Ernest Wilhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application September 17, 1947, Serial No. 774,464
3 Claims. (Cl. 29—104)



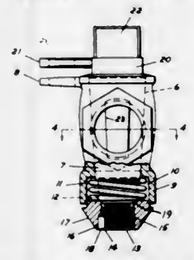
1. A set of disc milling cutters for cutting gears, face clutch members and the like, said set comprising two intermeshing rotary disc milling cutters, which are of opposite hand, respectively, and which operate with their axes inclined to one another and intersecting, and which cut, respectively, opposite sides of a tooth space of the work, each of said cutters having a plurality of cutting blades arranged around its periphery, each of said blades having a front face, opposite side surfaces and a tip surface, each of said blades having a side-cutting edge formed at the juncture of its front face and one of its side surfaces and having a tip-cutting edge formed at the juncture of its front face and its tip surface. the tip surface and said one side surface of each blade being relieved back of the front face of each blade to provide cutting clearance for said side-cutting edge and said tip-cutting edge, respectively, of the blade, and the tip surface and said one side surface of each blade intersecting in a line which is parallel to a plane of symmetry containing the bisector of the angle between the axes of the two cutters whereby, after the two cutters have been sharpened, they may be adjusted together in the direction of said bisector, to adjust the sharpened cutters to take the same cut as taken originally.

2,586,452
FAN FOR COOLING INDUCTION MOTORS
Leonard E. Aske, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application December 7, 1946, Serial No. 714,776
8 Claims. (Cl. 172—120)



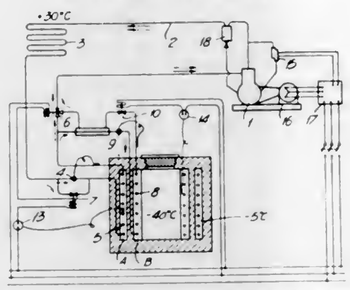
1. In combination, a laminated stator field core for an induction motor, a field winding thereon, a separate motor driven fan for cooling said winding, said fan motor located within the core and having shaded pole pieces made up of laminations which are magnetically connected to opposite sides of the stator field core for completing the magnetic flux path, and field windings on the pole pieces.

2,586,453
TAMPERPROOF PLUG VALVE
James G. Bradbury, Erie, Pa., assignor to Hays Manufacturing Company, Erie, Pa.
Application January 29, 1948, Serial No. 5,051
2 Claims. (Cl. 251—112)



1. A plug valve comprising a body having a tapered seat and an inlet and an outlet and a depending skirt, a rotatable tapered plug disposed on said seat having an apertured portion for registration with said inlet and said outlet and having a reduced threaded end with a longitudinally extending groove on the peripheral surface thereof, said threaded end defining a shoulder spaced a predetermined distance from the end thereof, an inverted, conical shaped threaded member for threadably engaging the threaded end of said plug and said shoulder and having the lateral outer side thereof tapered and coincidental with a contour line embodying the outer side of said body, a portion of said threaded member being telescopically disposed in said skirt and being relatively movable thereto a predetermined distance, said threaded member having a longitudinally extending, semi-circular shaped internal groove for registration with the groove on the end of said plug, a pin disposed in said registered grooves engaging said threaded end of said plug and said threaded member, and a coil spring surrounding said plug within said skirt and engaging said threaded member for urging said plug on its seat.

2,586,454
REFRIGERATING MACHINE OR HEAT PUMP UNIT OF THE MULTIPLE COMPRESSION TYPE
Tore Brandin, Finspong, Sweden, assignor to Svenska Turbinfabriks Aktiebolajet Ljungstrom, Finspong, Sweden, a Swedish joint-stock company
Application June 13, 1949, Serial No. 98,723
In Denmark June 30, 1948
1 Claim. (Cl. 62—3)



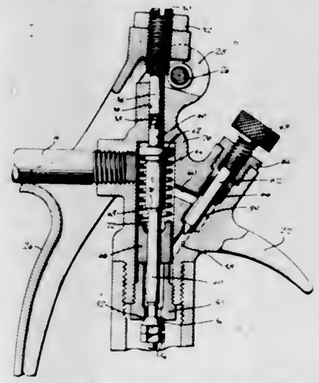
In refrigerating machinery of the compression type for operation at two pressure stages, the combination of a compressor for alternate operation as a low pressure compressor and as a high pressure compressor during successive periods, a circulation system for the refrigerant acted on by the compressor, two evaporators included in said circulating system, one for each pressure stage, two concentric cold magazines concentrically surrounding each other, the inner magazine being provided for enclosing the evaporator belonging to the low pressure stage and for storing the cold developed during said stage, the outer magazine being provided for enclosing the evaporator belonging to the high pressure stage and for storing the cold developed during said high pressure stage, means for utilizing during the low pressure period, at least partially, the cold stored in the outer magazine during the high pressure period, a condenser provided in the circulation system in front of the evaporator of the high pressure stage and its magazine, and means adapted upon the shifting from the high pressure stage to the low pressure stage by setting the evaporator of the low pressure stage into operation, to effect a simultaneous setting of the evaporator of the high pressure stage into operation to act as a condenser for the low pressure stage.

2,586,455
TIRE VALVE
Edward P. Coskey, Detroit, Mich.
Application September 13, 1946, Serial No. 696,920
2 Claims. (Cl. 137—69)



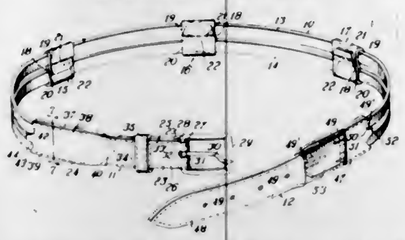
1. A valve stem unit comprising a tubular stem made of moldable material having a radial flange near one end providing a protuberance on the side of the flange opposite the main stem portion through which a passageway in the stem extends, a rod in said stem, said rod having a downwardly diverging conical head engaging the protuberance at the junction of the passageway forming a seal therewith, a piece of thin resilient material secured to said flange on the protuberance side thereof outwardly of the protuberance so as to have the central portion unsecured and stretched thereover for engaging and urging said head toward said protuberance, the portion of the material between the protuberance and the secured portion having an aperture providing a passageway communicating with the passageway through the protuberance and stem when the head is moved from said protuberance.

2,586,456
MANUALLY OPERATED CONTROL VALVE FOR LUBRICATING APPARATUS
Ernest W. Davis, River Forest, Ill.
Application June 14, 1947, Serial No. 754,642
7 Claims. (Cl. 222—335)



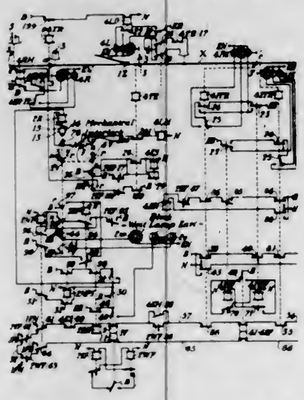
1. In a control valve for lubricating apparatus, the combination of a valve body having a valve seat, a valve which opens in direction opposite the lubricant flow, a manually operable trigger handle to open said valve, a bore, a piston reciprocable in said bore, a spring urging said piston to move in a direction opposite to the lubricant flow, means for opening said valve admitting lubricant under pressure to the cylinder bore, said means including a valve stem having a stop thereon,. said piston having substantial clearance with respect to said bore so as to permit said spring to return the piston to normal position when the valve is closed, and dashpot means to absorb the impact of the piston against the stop formed on the valve stem.

2,586,457
STRETCHABLE BELT
Max Epstein, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application August 10, 1949, Serial No. 109,580
9 Claims. (Cl. 2—322)

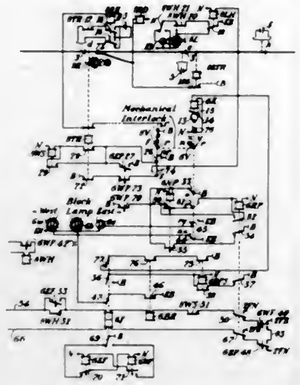


1. A stretchable belt including a main body part and an end member, the latter having a pocket extending to its inner end and slidably receiving therein an end portion of the main body part, said pocket at its outer end intermediate the sides thereof having a transversely extending end wall portion connected with opposite side walls of the pocket, said end of the pocket being open at each side of said intermediate end wall portion, said end portion of the main body part having laterally spaced opposite parallel longitudinally extending wall portions, said laterally spaced wall portions straddling said end wall portion of the pocket and extending through the openings at either side of said end wall portion into the pocket, and an elastic member completely enclosed within said pocket secured at one end to the inner end portion of the pocket and secured at its opposite end to said end portion of the body part within the pocket, said end wall portion serving as means for limiting the extent of stretch of said elastic element.

2,586,458
RAILWAY TRAFFIC CONTROLLING APPARATUS
Charles W. Failor, Forest Hills, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application November 28, 1947, Serial No. 788,586
18 Claims. (Cl. 246—26)



16. In traffic locking apparatus for a stretch of railway track including a traffic lever for each end of said stretch each having a normal and a reverse position, the combination comprising, a polar stick traffic relay for each of said traffic levers, an electric lock for each of said traffic levers which when deenergized locks its traffic lever in the normal or the reverse position, means controlled by one of said levers upon being moved to its normal position and by a reverse contact of its polar stick traffic relay for initiating means for energizing said polar stick traffic relays by current of normal polarity and for energizing

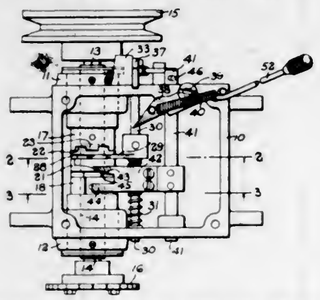


the electric lock for the other traffic lever, and means controlled by the other traffic lever upon being moved to its reverse position and by a normal contact of its polar stick traffic relay for initiating means for energizing said polar stick traffic relays by current of reverse polarity and for energizing the electric lock for said one traffic lever.

2,586,459
AMMONIUM THIOSULFATE
Henry V. Farr, Ferguson, Mo., and John R. Ruhoff, Oak Ridge, Tenn., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri
No Drawing. Original application October 21, 1943, Serial No. 507,178. Divided and this application May 2, 1946, Serial No. 666,811
2 Claims. (Cl. 23—115)

1. The method of preserving anhydrous ammonium thiosulfate which comprises storing it in an atmosphere of ammonia from an outside source.

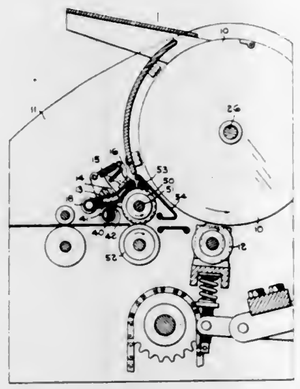
2,586,460
ONE REVOLUTION CLUTCH FOR MACHINES
Ronald Max Ford, Sparkbrook, Birmingham, England
Application July 1, 1948, Serial No. 36,472
In Great Britain July 4, 1947
2 Claims. (Cl. 192—33)



1. Driving gear of the kind specified consisting of a self-contained clutch unit comprising, a casing containing a driving shaft adapted to

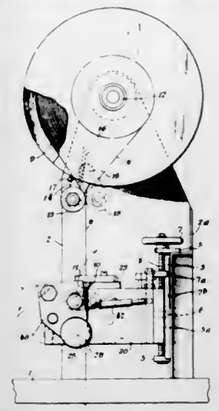
be driven by an external power unit, a driven shaft in axial alignment with said driving shaft adapted to be coupled to the machine to be driven, a clutch element fixedly mounted on one shaft, said element having axially directed teeth, a sliding clutch member mounted for axial movement on the other shaft and having driving engagement therewith, said clutch member having axially directed teeth adapted for driving engagement with the teeth on the clutch element, a spindle parallel to said shafts mounted slidably in said casing a loading member fixed on said spindle and having portions engaging the clutch member, spring means acting on said loading member so as to urge the clutch member axially into engagement with the clutch element, a collar on said other shaft, and a lever, pivotally mounted within said casing and having portions co-operating with said sliding clutch member and said collar so as to withdraw said clutch member axially from engagement with the clutch element and arrest rotation of said other shaft once during each revolution.

2,586,461
WICK MOISTENING MEANS FOR DUPLICATING MACHINES
Ronald Max Ford and Denis Percy Crane, Sparkbrook, Birmingham, England; said Crane assignor to Frank R. Ford Limited, Birmingham, England, a British company
Application May 25, 1949, Serial No. 95,202
In Great Britain May 31, 1948
8 Claims. (Cl. 101—132.5)



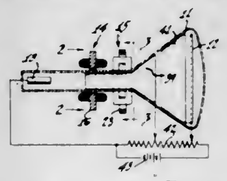
1. In a duplicating machine of the kind specified including a master sheet cylinder supported for rotation between side frame members, moistening means for the copy sheets comprising a moistener body pivoted on an axis parallel to the axis of the cylinder; an absorbent pad carried on the exterior of the moistener body; cam means for periodically oscillating the moistener body about its pivotal axis; a wick; means for providing a constant supply of liquid to the wick; a moistening roller for imparting a film of liquid to the copy sheet, said pad having a portion which normally rests upon the wick and a portion which normally rests against the periphery of the moistening roller; and a supporting roller cooperating with the moistening roller for passage of the copy sheets therebetween.

2,586,462
MACHINE FOR CUTTING LENGTHS FROM STRIPS OF THIN MATERIAL
Leslie Gordon Forster, Ealing, London, England
Application March 21, 1949, Serial No. 82,577
In Great Britain December 15, 1948
7 Claims. (Cl. 164—68)



1. A machine for cutting predetermined lengths from a long strip of thin material that comprises means for guiding and feeding the material into a rectilinear path, a rotating cutter extending transversely of the material on one side of the rectilinear path, a reciprocable cutter extending transversely of the material on the other side of said path opposite the rotating cutter, said cutter being reciprocable in a direction generally normal to said path, said cutters being positioned so as to normally be out of the rectilinear path of the thin material; means for synchronously rotating said rotating cutter and feeding the thin material, and operating connections between the rotating cutter and the reciprocating cutter for periodically moving the reciprocating cutter briefly into the path of the strip of thin material and into cooperation with the rotating cutter to cut a predetermined length of thin material.

2,586,463
ELECTRON BEAM DEFLECTION SYSTEM
Albert W. Friend and Frederick H. Nicoll, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application July 7, 1950, Serial No. 172,514
7 Claims. (Cl. 313—76)



1. In apparatus for reproducing a color television image, a multicolor kinescope having substantially flat luminescent screen provided with a multiplicity of phosphor strips capable respectively of emitting light of the component image colors, means for developing and directing an electron beam toward said screen to selectively excite said phosphor strips, a yoke for deflecting said electron beam to scan a raster at said screen, said yoke comprising horizontal and vertical mag-

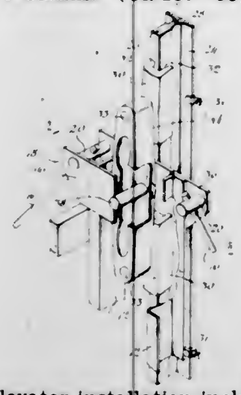
netic cores mounted adjacent to the path of said beam, each of said cores having salient pole pieces provided with faces shaped suitably to produce a field of non-uniform intensity, whereby to control said beam deflection in a manner to scan a raster approximately of predetermined shape at said screen, and an electron-optical lens located between said deflecting yoke and said screen to accurately control the shape of the raster scanned at said screen.

2,586,464

SINGLE RAIL ELEVATOR GUIDE EQUALIZER

Seymour George Hicks, Memphis, Tenn., assignor to Rotary Lift Company, Memphis, Tenn., a corporation of Delaware

Application October 4, 1949, Serial No. 119,521
9 Claims. (Cl. 187—95)



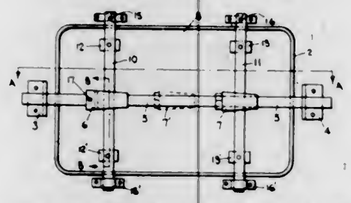
3. In an elevator installation including an elevator shaft, an elevator car vertically movable in said shaft, and single guide rails on opposite side of the shaft for guiding the car; a guide device secured to a side of the car facing one of said rails comprising an equalizer pivotally attached at its center portion to the car, and a pair of guide shoes pivotally attached to the end portion of the equalizer so as to be spaced from each other, said guide shoes engaging the guide rail and all of said pivotal attachments permitting movement in a vertical plane parallel to the guide-carrying side of the car.

2,586,465

MANHOLE COVER SECURING MEANS

Richard Hitschmann, Carrick-on-Suir, Ireland

Application April 5, 1947, Serial No. 739,548
In Ireland May 7, 1946
4 Claims. (Cl. 292—259)



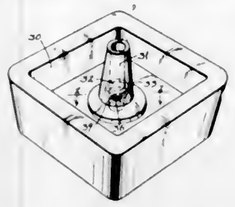
1. A device for securing and tightening the cover or door of a manhole in the wall of a vat, tank, and like vessel; comprising, in combination, at least one round bar traversing the manhole in the vessel, bearings for said bar secured to said wall of said vessel at opposite ends of said manhole; at least one conical member seated on said round bar, the diameter of said member being greater than that of the bar on which said member is seated and having its axis eccentric to and parallel with the axis of said round bar, and at least one flat bar secured to said cover and presenting an outer surface transversely tapered to correspond with the taper of said conical member, said member being slidable in axial direction of the round bar and adapted to be positioned on the outside of the cover at right angles to said flat bar against which said member may be pressed thereby causing the cover to be tightly secured in place at said manhole.

2,586,466

CIGARETTE EXTINGUISHER

Max Horlick, Brooklyn, N. Y.

Application December 15, 1945, Serial No. 635,209
3 Claims. (Cl. 131—256)



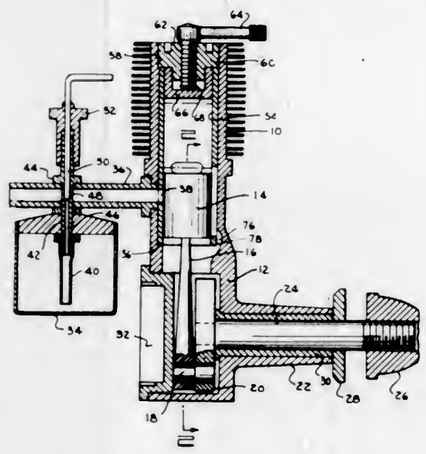
1. A cigarette extinguisher comprising a tube having an inner diameter slightly larger than the outer diameter of a cigarette, and having a closed bottom for smokelessly snuffing out a lighted cigarette placed burning end into it, and means within said tube for assisting in extinguishing the lit end of a cigarette, comprising a band extended within a groove formed in said tube adjacent its closed bottom, means attaching one end of said band to said tube, and means attached to the other end of said band for facilitating contracting said band about a cigarette.

2,586,467

TWO-CYCLE CRANKCASE COMPRESSION ENGINE

Borge Jacobsen, Grosse Pointe Woods, Mich.

Application May 1, 1948, Serial No. 24,514
7 Claims. (Cl. 123—73)



2. In a self-ignition internal combustion engine a cylinder, a sleeve lining the inner wall

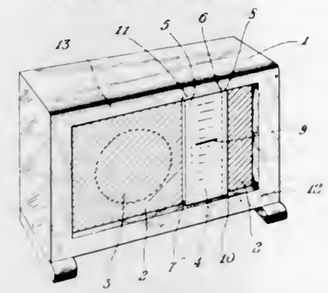
of the cylinder and extending for substantially the entire length thereof, a crankcase, a piston slidably reciprocating in the sleeve and forming a conjunction with the upper end of the cylinder a firing chamber, said sleeve provided with a fuel inlet port adapted when the piston is at the upper end of its stroke to communicate with the crank case and deliver a fuel mixture thereto, said sleeve further provided with an exhaust port above the level of fuel inlet port adapted to permit the escape of gases from the firing chamber when the piston reaches the lower end of its stroke, said sleeve still further provided with an elongated slot opening into communication with the crank case at the lower end thereof and opening into communication with the firing chamber when the piston is at the lower end of its stroke, and means slidably fitting the upper end of the sleeve and bodily adjustable axially thereof to vary the volume of the firing chamber.

2,586,468

DIAL FOR RADIO CABINET

Johan George Kronouer, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Curacao, Netherlands West Indies

Application June 17, 1946, Serial No. 677,387
In Holland January 17, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 17, 1962
4 Claims. (Cl. 312—7)



1. A cabinet for radio apparatus, comprising an opaque wall member provided with a recessed panel portion having protruding opposing wall portions extending to said wall member, said panel portion being provided with a substantially rectangular recess extending between two of said opposing wall portions, the said two opposing wall portions being provided with recesses, and a rectangular dial plate member positioned over said first recess and having two opposite ends thereof positioned within the recesses of said two opposing wall portions.

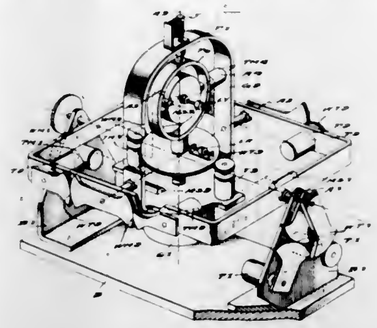
2,586,469

GYROSCOPIC STABILIZING APPARATUS

Arend Willem Kuyvenhoven, Richmond, England, assignor to "Brevets Aero-Mecaniques," S. A., Geneva, Switzerland, a society of Switzerland

Application December 27, 1945, Serial No. 637,439
In Great Britain March 16, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 16, 1963
10 Claims. (Cl. 74—5.34)

1. In a gyroscopic stabilizing apparatus, a non-pendulous system comprising a first gyroscope providing a horizontal plane datum, a gimbal frame member supporting said first gyroscope directly by the spin axis member of said first gyroscope, a second gyroscope gimbal mounted directly on said frame member to provide a vertical plane datum, said second gyroscope with its gimbal mounting forming a subsidiary non-pendulous system rotatable about the line of the spin axis of said first gyroscope,



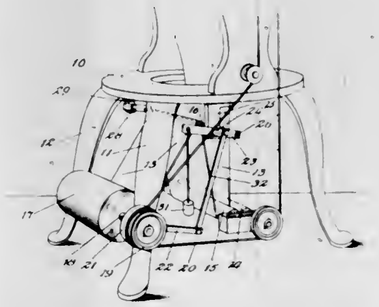
torque motors connected to bring about precession of said gyroscopes and vertical sensitive elements controlling the operation of said torque motors to maintain the spin axis of said first gyroscope substantially vertical and to maintain the spin axis of said second gyroscope substantially horizontal.

2,586,470

FABRIC ROLL TAKE-UP FOR KNITTING MACHINES

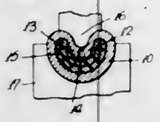
Robert H. Lawson, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application June 6, 1947, Serial No. 753,091
13 Claims. (Cl. 66—149)



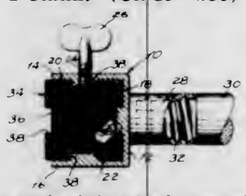
1. In a knitting machine, a shaft upon which knitted fabric is rolled, and means for rotating said shaft responsive to the tension of the knitted fabric being rolled, said means comprising a driving gear concentrically fixed upon said shaft, a pulley mounted for free rotation upon said shaft, a belt for continuously rotating said pulley, and a planetary gear journaled in said pulley meshing with said driving gear, in combination with an idler gear having more teeth than said driving gear concentrically mounted on said shaft in mesh with said planetary gear, a lever system in contact with the fabric as it approaches the roll, and a brake operated by said lever system to fix said idler gear with respect to the knitting machine and thus rotate said planetary gear, said driving gear and said shaft.

2,586,471
COMPRESSIBLE BRAZED CONNECTOR
Irving Frederick Matthysse, New York, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application June 12, 1944, Serial No. 539,803
5 Claims. (Cl. 173—269)



3. An electrical connection comprising a connector having a tongue and a ferrule portion integral therewith having therein the end of an electrical conductor made of stranded wires, said ferrule portion being of cylindrical configuration and having a seam running the length thereof, said seam being reinforced against opening and sealed against moisture by a braze, the material of said braze running the full extent of said seam in contact with the electrical conductor, a portion of which material is crimped into the electrical conductor causing the material of the braze to be keyed to the conductor strengthening the connection.

2,586,472
SCRAPING AND WIPING TOOL
Sherman McKown, Pampa, Tex.
Application February 8, 1949, Serial No. 75,163
1 Claim. (Cl. 15—236)

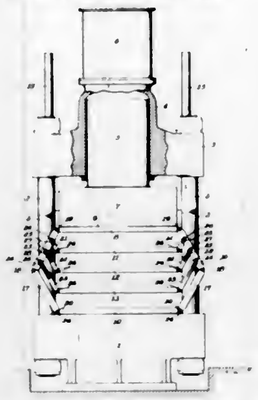


A scraping and wiping tool comprising a blade, said blade embodying an elongated body of a moderately hard material, said body being substantially square in cross section to form at each corner a sharp scraping edge, each face of said body having a groove midway between opposite marginal edges thereof extending through the length of the body to form a scrapings receiver, a channel shaped holder partially embracing said blade intermediate the ends thereof, said holder having an elongated web and flanges extending along opposite side edges of said web, a longitudinal rib on the inner face of the web and on the inner face of each flange of the holder for entering the grooves in the body of the blade and thumb screws extending through and threadedly engaging one flange of the channel shaped holder, said thumb screws impinging on the blade to hold it in the holder.

2,586,473
WOOD LAMINATE BONDED WITH AN ADHESIVE COMPRISING MELAMINE FORMALDEHYDE RESIN AND AN ESTER OF GLYCEROL AND SEBACIC ACID
John C. Mead and William C. Schneider, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 7, 1946, Serial No. 695,548
5 Claims. (Cl. 154—45.9)
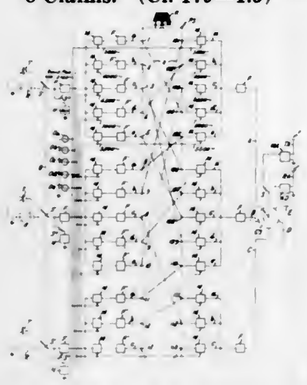
1. A thermosetting adhesive suitable for radio frequency gluing comprising thermosetting melamine-formaldehyde resin and 1% to 5% of an ester obtained by reacting substantially equal molecular proportions of glycerol and sebacic acid, said percentage being based on the weight of the resin solid.

2,586,474
PLATEN SPACING MEANS FOR PRESSES
Archie F. Moore, Havertown, Pa., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application March 29, 1949, Serial No. 84,146
5 Claims. (Cl. 100—50)



1. In a multiple opening platen press having a stationary and a moving platen with an intermediate platen, comprising, in combination, main links pivotally connected at one of their ends to the stationary and movable platens and at their other ends to each other, and hanger links pivotally connected to the intermediate platen and to one of the main links at a point proportionately spaced between the pivotal connections at each end of such main link so that all of the platens close substantially simultaneously.

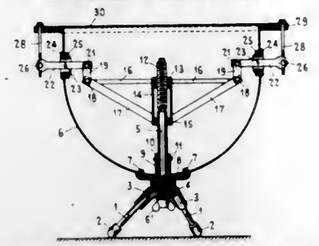
2,586,475
SECRECY SYSTEM WHEREIN FREQUENCY BANDS OF MESSAGES ARE INTERMIXED DURING MULTIPLEXING
Wladimir Milliquet, Baden, Switzerland, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland
Application January 27, 1947, Serial No. 724,604
In Switzerland February 4, 1946
8 Claims. (Cl. 179—1.5)



1. In the operation of a secrecy communication system for the transmission and reception of

a plurality of independent telephone message signals, the process which comprises dividing each signal into a plurality of frequency sub-bands, developing a plurality of scrambled signals by interchanging a sub-band of one signal with a sub-band of another signal, and varying from time to time the frequency ranges of the sub-bands of different signals which are interchanged.

2,586,476
KETTLE DRUM
Oskar Murbach, Lucerne, Switzerland
Application April 22, 1950, Serial No. 157,418
1 Claim. (Cl. 84—419)



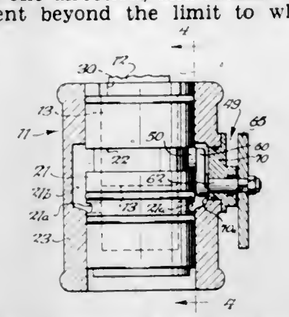
A kettle drum provided with a tensioning mechanism including a ring for the tensioning and detensioning of the skin by rotating the kettle about its vertical axis, said tensioning mechanism being arranged in the interior of said kettle; comprising arms extending from within said kettle through the wall thereof, means pivotally mounted in the wall of said kettle and interconnecting said arms with said tensioning ring, a spindle provided with a screw-threaded portion at one end thereof, a sleeve provided with a screw-nut and braces, said braces of said sleeve being linked to said arms, said sleeve being movable by means of said screw-nut to be raised and lowered on said screw-threaded portion, said sleeve being provided with a guiding piece at an opposite end of said spindle which is devoid of screw-threads and slidably receives said guide piece.

2,586,477
TREATMENT OF TEXTILE MATERIALS
George E. Niles, Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 27, 1947, Serial No. 770,943
6 Claims. (Cl. 28—72.6)

1. The method of preparing and finishing textile fabrics which comprises treating yarns with an aqueous solution of a salt of copolymerized styrene-maleic anhydride selected from the group consisting of alkali salts and amine salts, said solution being supplied in an amount sufficient to provide from 4 to 7% by weight of the salt based on the yarn weaving the resulting yarns into fabrics, then applying an aqueous solution of a heavy metal salt to the fabric, after which the fabric is dried.

2,586,478
ACTUATING ELEMENT FOR RECIPROCABLE MACHINE ELEMENTS
Emanuel F. Paxhia, Tonawanda, N. Y., assignor to Wales-Strippit Corporation, North Tonawanda, N. Y.
Application January 13, 1950, Serial No. 138,413
7 Claims. (Cl. 74—1)

1. A mechanism including an element which is movable rectilinearly, means including a driven member for moving said element back and forth between predetermined limits, said element and member having cooperating surfaces which engage one another when said member moves said element in one direction, and means for moving said element beyond the limit to which it is



moved by said member when said surfaces are engaged, whereby said member may idle without contact between said surfaces, said last named means including an actuating shaft having an axis which is substantially normal and offset with respect to the line of movement of said element.

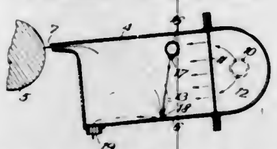
2,586,479
APPARATUS FOR PIERCING AND CLENCHING SUPERPOSED SHEETS
Joseph Pettorossi, Brooklyn, N. Y., assignor to Paper Novelty Manufacturing Company, a corporation of New York
Application June 11, 1948, Serial No. 32,301
3 Claims. (Cl. 113—1)



1. Apparatus for piercing and clenching superposed sheets which comprises a vertically reciprocating hammer and a stationary bed, said hammer having a chamber therein and an angularly spaced series of perforations extending vertically from said chamber to the bottom of said hammer; a spring loaded member mounted within said chamber for vertical movement relative to said hammer, said member having mounted thereon an angularly spaced series of downwardly directed punches normally extending through said perforations and beyond the bottom of said hammer; another spring loaded member mounted on said bed for vertical movement relative thereto, said other member having mounted thereon an angularly spaced series of anvils each thereof being aligned with one of said punches; a spring loaded platform mounted on said bed for vertical movement relative thereto, said platform

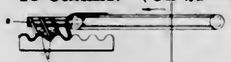
having an angularly spaced series of perforations each thereof aligned with one of said anvils; and a detent mounted on said bed and extending freely through said platform for arresting downward movement of said first named member and said punches at a particular station of position of said hammer.

2,586,480
WATER ATOMIZER FOR DAMPING THE CYLINDERS IN OFFSET PRINTING MACHINES
Max Ras, Zurich, Switzerland
Application October 14, 1948, Serial No. 54,386
In Switzerland October 17, 1947
1 Claim. (Cl. 101—147)



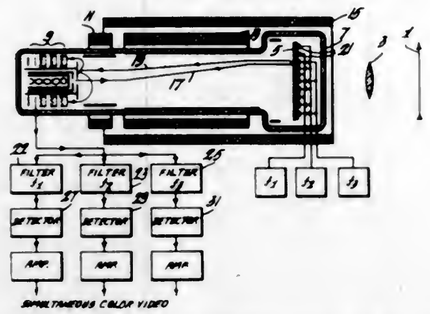
In an offset printing machine, a plate cylinder, a water atomizer for dampening said cylinder, said atomizer comprising in combination an elongated box having a longitudinal slot in front of said cylinder with its longitudinal axis at right angles to the longitudinal axis of the box and parallel to the axis of said cylinder, air current producing means including a distributing pipe leading into said box and control means for regulating the pressure of the air current and thereby its speed leaving the slot, a perforated screen disposed in said box between said distributing pipe and said slot in a plan parallel to the longitudinal axis of said slot and of the same length as the latter, for uniformly distributing the air current entering the box across the entire length of the slot, a baffle located within said box down-stream of said screen for atomizing water, pipe means having nozzles located in said box downstream of said screen to discharge said water against the surface of said baffle and including further control means for regulating the water pressure and thereby the moisture of the jet of mist produced.

2,586,481
METHOD OF AND APPARATUS FOR CORRUGATING ASBESTOS-CEMENT SHEETS
William Holdsworth Rooksby and Herbert Homer, Trafford Park, Manchester, and Thomas Burgess, Dartford, England, assignors to Turners Asbestos Cement Company Limited, Spotland, Rochdale, England, a British company
Application June 1, 1946, Serial No. 673,790
In Great Britain June 8, 1945
13 Claims. (Cl. 25—42)



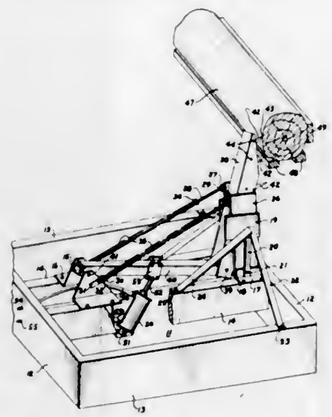
1. Apparatus for corrugating a plastic sheet comprising an endless conveyor for the sheet adapted to feed the sheet over one end thereof, a corrugated form under said one end to receive the sheet, means for progressively changing the position of said one end of the conveyor relative the surface of the form during said feeding of the sheet whereby the sheet is deposited progressively along the upper surface of the form, and means having a fixed position relative said one end of the conveyor operated to apply pressure temporarily to each portion of the sheet as soon as that portion reaches the form thereby to urge said portion against the form.

2,586,482
PICKUP TUBE FOR COLOR TELEVISION
Albert Rose, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 20, 1947, Serial No. 787,212
7 Claims. (Cl. 178—5.4)



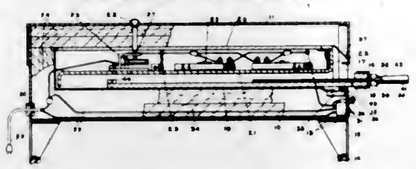
1. A color television transmitting system comprising an image pickup tube of the type in which image signals of different selected component color representations are developed by scanning different selected component color sensitive electrode elements, a signal channel for each signal representative of a different selected component color, each of said signal channels including a frequency filter responsive only to one of a plurality of different carrier frequencies and its associated side bands, a carrier signal source of each of said different carrier frequencies, and connections between each of said carrier signal sources and their corresponding color sensitive electrode elements.

2,586,483
SAWMILL LOG TURNER
Guy E. Ross, North Branch, Mich.
Application February 16, 1951, Serial No. 211,299
6 Claims. (Cl. 143—101)



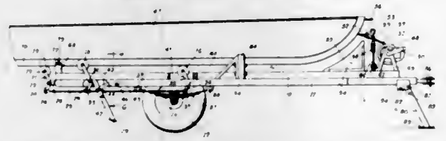
1. A saw mill log turner comprising a platform, a pair of spaced upright oppositely faced channel elements pivotally joined at their lower ends to one end of said platform, tie rods pivotally joined at their upper ends to the upper ends of said channel elements and slidably joined at their lower ends to and towards the other end of said platform, an upright slightly inclined upwardly movable reciprocal turner arm guidably positioned and retained between said channel elements, an operating lever pivotally mounted at one end upon said platform and pivotally joined at its other end to the lower end of said turner arm, a plurality of spaced vertically aligned turner teeth pivotally joined to said turner arm and projecting outwardly therefrom for operative upward turning engagement with a log supported transversely thereof, and a hydraulic motor anchored to said platform and having its reciprocal element secured at its outer end to said operating lever intermediate its ends.

2,586,484
FUSING DEVICE
Edward R. Sabel and Frank I. Galbrecht, Rochester, N. Y., assignors to The Haloid Company, Rochester, N. Y., a corporation of New York
Application April 29, 1950, Serial No. 158,974
3 Claims. (Cl. 219—35)



1. A uniform temperature fusing device for fusing resinous powder images onto a temperature sensitive sheet material, the powder having a fusing temperature only slightly below the temperature of sensitivity of the sheet material comprising, in combination, a hotplate comprising a metal plate and electric heating elements above said plate in heat exchange relation to said plate, and grouped toward one end thereof, an inner housing surrounding said hotplate and spaced from the upper and lower surfaces thereof, an outer housing surrounding said inner housing and spaced therefrom, heat insulating material between said inner and outer housing, the end of said inner housing adjacent the grouped heating elements being open and the like end of said outer housing having a slot in front of said open end, a flat slide formed of a refractory composition of low heat conductivity movable into said inner housing and spaced below said hotplate and projecting through said slot in said outer housing.

2,586,485
ROLLER KEEL BOAT TRAILER
Eugene F. Schroeder, Lakeview, Iowa
Application August 3, 1949, Serial No. 108,376
3 Claims. (Cl. 214—65)



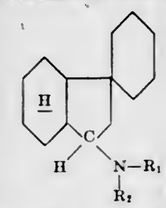
1. In a boat carrying trailer, the combination which comprises a chassis mounted on wheels, a beam mounted on the chassis and positioned to receive the keel of a boat, bolsters positioned on the chassis for engaging the sides of a boat positioned on the keel, rollers journaled in the ends of arms pivotally mounted in the chassis, a foot pedal journaled on a transversely disposed shaft in the chassis, a rod extended longitudinally of the chassis, a crank connecting the rod to the foot pedal, cranks connecting the rod to the arms of the rollers for actuating the rollers to elevated positions for suspending a boat above the chassis, a latch for locking the rollers in the elevated positions, said latch adapted to be operated for releasing the rollers, means clamping the boat on the chassis, and means securing the boat on the trailer for traveling.

2,586,486
PREPARATION OF SPIRO[CYCLOHEXANE-1,1'-INDANONE-3']
Louis H. Schwartzman, Silver Spring, Md., assignor to Chemectron Corporation, Washington, D. C., a corporation of Delaware
No Drawing. Application March 20, 1950, Serial No. 150,806
4 Claims. (Cl. 260—590)

1. The method of converting a compound selected from the group consisting of spiro[cyclohexane - 1,1'-$\Delta^{8'}$-tetrahydroindanone - 3'] and spiro[cyclohexane -1,1'-$\Delta^{9'}$-tetrahydroindanone-3'] into spiro[cyclohexane - 1,1'-indanone-3'] comprising treating at least one of said compounds with a dehydrogenating agent of the class consisting of palladium and chloranil, at a temperature above about 135° C.

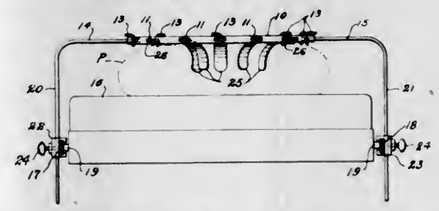
2,586,487
SPIROCYCLOHEXANES AND METHODS OF PREPARATION THEREOF
Louis H. Schwartzman and Gilbert Forrest Woods, Jr., Silver Spring, Md., assignors to Chemectron Corporation, Washington, D. C., a corporation of Delaware
No Drawing. Application March 20, 1950, Serial No. 150,807
4 Claims. (Cl. 260—576)

1. Spirocyclohexanes of the type:



wherein H indicates saturation of the ring and R_1 and R_2 are selected from the group consisting of hydrogen and lower alkyl groups.

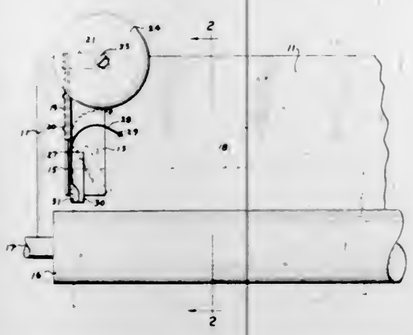
2,586,488
TABLE SUPPORTED SURGICAL RETRACTOR
David P. Smith, Meriden, Conn.
Application May 11, 1949, Serial No. 92,602
6 Claims. (Cl. 128—20)



1. In a surgical retractor, a supporting ring, means on said ring for mounting said ring upon an operating table, a plurality of retracting elements, and means adjustably attaching said retracting elements to said ring in positions extending inwardly from said ring, said ring-mounting means comprising side arms secured in opposite radial apertures providing in said

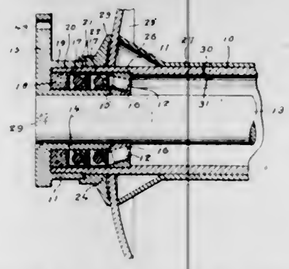
ring, said side arms having vertical portions provided with clamps for adjustably securing said arms to a support, said vertical portions being vertically slidable in apertures in said clamps and releasably held by screws in said clamps.

2,586,489
PAGE END INDICATOR FOR TYPEWRITERS
Philip R. Thomas, Detroit, Mich.
Application September 21, 1950, Serial No. 186,067
5 Claims. (Cl. 197—189)



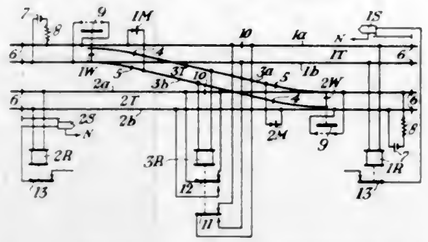
1. In a typewriter having a sheet support and a rotatable sheet feeding platen adjacent its lower end, a page end indicator comprising a bracket on said support, a bell mounted thereon, a resilient clip angularly depending from said bracket adjacent said support, a flexible arm on said clip normally engageable at its end with said bell, and guide means on said clip engageable by the side of a sheet for maintaining said clip under compression parallel to the side of said sheet while in engagement therewith, whereby as the sheet passes below said guide means under the control of said platen said clip resiliently returns to its initial position with said arm engaging said bell.

2,586,490
DISK GANG MOUNTING
Ernest S. Thompson, Strathmore, Calif.
Application March 22, 1949, Serial No. 82,766
3 Claims. (Cl. 97—220)



1. A device of the character described for mounting a gang of disc harrows comprising a fixed shaft, a bracket, a circular flange on said bracket secured to one end of said shaft, an adjusting nut, a circular flange on said nut mounted on the opposite end of said shaft, a second bracket for said shaft mounted on said nut, seals mounted on the flange on said nut and the flange on said first mentioned bracket, bearings on said fixed shaft engaging the inner end of the flange on said nut and the inner end of the flange on said first bracket, a tubular member rotatably mounted on said bearings, and dust excluding sleeves mounted on said tubular member.

2,586,491
CROSSOVER PROTECTION APPARATUS
Thomas W. Tizzard, Jr., Downers Grove, Ill., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application February 26, 1947, Serial No. 730,958
12 Claims. (Cl. 246—219)



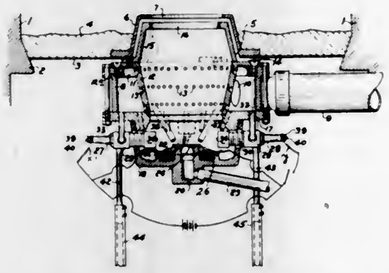
1. In crossover protection apparatus for a stretch of railway in which two main tracks are interconnected by a crossover track at one end of which there is a first switch for connection with one of said main tracks and at the other end of which there is a second switch for connection with the other main track, and in which a section of each of said main tracks is set off including the switch at its end of said crossover track, the combination comprising, a track circuit for each of said main track sections each including the rails of its section and a source of unidirectional current, a section of said crossover track one side of which is insulated from one of said main track sections and the other side of which is insulated from the other of said main track sections, a track relay connected across the rails of said crossover track section, and means including two asymmetric units each connected between one side of said crossover track section and the main track section from which it is insulated for energizing said track section relay from said track circuits.

2,586,492
FERTILIZER SPREADER HOOD
Solomon D. Ulrich, Shelbyville, Ill., assignor to Aubrey L. Jones, Stewardson, Ill.
Application October 18, 1949, Serial No. 121,929
2 Claims. (Cl. 275—8)



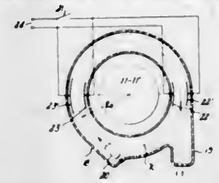
1. A fertilizer spreader hood adapted to be attached to the rear of a fertilizer spreader having a rotary, disk-type scattering device, a sheet metal covered frame connected to said spreader to partially enclose said scattering device, said frame having a rectangular sloping top covered with sheet metal, each side of said frame being partially covered by a substantially triangular metal sheet the bottom edge of which is located above the plane of rotation of the scattering device, and a rectangular rear wall of sheet metal hingedly depending below the bottoms of said triangular side sheets, a pair of detachable hinged extension frames each connected at one end thereof to one of the sides of said first frame below the triangular metal sheets, said frames each having an elongated trapezoidal top and sloping sides of sheet metal, an end frame hingedly connected to each of said extension frames, each end frame having a flat top, sloping sides and a curved end of sheet metal, each extension frame having a trapezoidal cross-section at any plane perpendicular to the longitudinal axis of said frame, and a plurality of flexible support members one of which is attached to the extremity of each of said hinged extension frames and being adapted to be secured to the rear of the fertilizer spreader for stabilizing said spreader hood during operation with the extension and end frames in lowered, aligned relationship for combining with the central frame and its depending rear wall to define an elongated, open-bottomed chamber containing only the scattering device, said spreader hood being arranged to be folded so that said rear wall and said hinged extension frames assume a substantially perpendicular position with the end frames folded about and with their top walls abutting portions of the top walls of their respective extension frames for disposing said end frames in substantially parallel relationship with the extension frames above the sloping top of the first mentioned sheet metal covered frame, for disposing said hood entirely above the plane of rotation of said scattering device.

2,586,493
BURNER FOR LIQUID FUELS
Michael J. Ward, Detroit, Mich.
Application April 22, 1947, Serial No. 743,143
2 Claims. (Cl. 158—28)



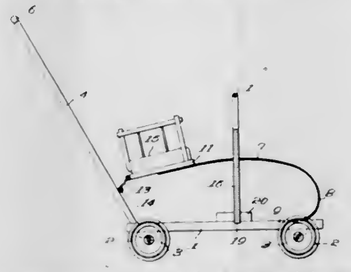
1. A liquid fuel burner comprising a chambered element having a lower horizontal wall and being open at its upper end, an open ended air distributor of substantially conical form extending downwardly thereinto, an outwardly directed horizontal flange at the top of said distributor bearing upon the upper end of said chambered element, the lower wall of the chambered element having an aperture to which the lower end of said distributor is connected, said distributor having a series of transverse apertures in its wall, means for supplying air to said chambered element to discharge through said apertures to the interior of said distributor, a burner pan supported below the lower open end of said distributor and depending from the lower wall of said chambered element in communication with its aperture, means by which fuel is discharged into said pan, a fuel ignition device, an electrical circuit therefor, and a plurality of conduits connected at their upper ends to the interior of said chambered element and with their lower ends extending into the said pan.

2,586,494
APPARATUS FOR CONTROLLING ELECTRON PATH IN AN ELECTRON ACCELERATOR
Rolf Wideroe, Zurich, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application October 5, 1948, Serial No. 52,842
In Switzerland October 11, 1947
8 Claims. (Cl. 250—27)



1. In an electron device such as an electron accelerator and the like wherein the electrons travel along a circular orbit, means for effecting a deflection of the electrons at a preselected point along said orbit comprising, means establishing a first deflecting field immediately in advance of said point of deflection, said field extending along said orbit for at most one-fourth the circumference thereof and which produces a generally radial deflecting force upon the electrons, and means simultaneously establishing a second deflecting field elsewhere along said orbit and which also produces a generally radial deflecting force upon the electrons but which force is of opposite sense to the force produced by said first field.

2,586,495
COMBINATION BABY BOUNCER AND BABY CARRIAGE
James Alfred Woods, Richmond, Calif.
Application June 14, 1949, Serial No. 98,930
5 Claims. (Cl. 155—41)



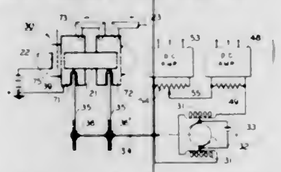
1. The combination in a four wheel baby carriage having a horizontal base, and a rear upwardly extending handle bar, of a longitudinally extending and arched leaf spring having a front fulcrum bend and means for rigidly fastening the front end of the spring to the base, a seat rigidly mounted on the rear end of the spring, handle supporting means fixed to the base in front of the seat, a handle fixed to the upper end of said supporting means and detachable means for fastening the seat to the handle bar.

2,586,496
DETERGENT COMPOSITION AND PROCESS OF PREPARING SAME
Harland H. Young and Kurt H. Spitzmueller, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 8, 1947, Serial No. 733,436
4 Claims. (Cl. 252—117)

1. In the process of preparing an improved

alkylolamine detergent from products comprising essentially the condensation product of an alkylolamine having at least 1 acylatable hydrogen atom in the amino group and a fatty carboxylic acid acylating material having from 8 to 14 carbon atoms in the carboxylic acid group in a ratio of at least 1.5 moles of alkylolamine to one mole of carboxylic acylating material, said materials being heated at a temperature of between 120° C. and 250° C. for a period of between 15 minutes and 16 hours in the presence of an excess of between ½ and 10 mols of the alkylolamine to form alkylolamide and alkylolamine ester condensation products, and then cooling below 100° C. and maintaining the said products at a temperature of between 40° C. and 90° C. for a period of between 4 and 100 hours to form reaction products containing compounds having a single replaceable hydrogen atom of the alkylolamine replaced with an acyl group, the improvement which comprises: reacting a higher carboxylic acid acylating material having more than 14 carbon atoms in the carboxylic acid group with the excess alkylolamine present in the condensation reaction mixture after cooling below 100° C. to form between approximately 10 and 50 percent of a higher alkylolamine soap in said mixture, thereby improving the detergent properties and suppressing the sudsing properties of the said reaction products.

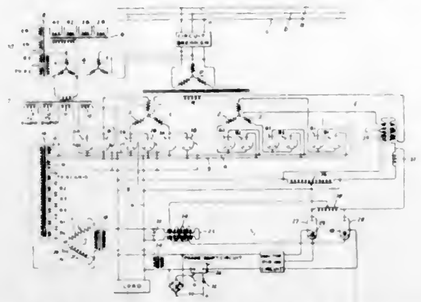
2,586,497
AUTOMATIC FREQUENCY CONTROL SYSTEM
Edward L. Ginzton, William W. Hansen, and Russell H. Varian, Garden City, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Original application May 19, 1942, Serial No. 443,604. Divided and this application September 25, 1943, Serial No. 503,760
22 Claims. (Cl. 250—36)



1. Means for maintaining a high frequency wave energy source at a desired operating frequency condition, comprising means for picking off a portion of the energy output of said source, frequency responsive means for receiving at least a part of said picked-off energy, said frequency responsive means comprising a wave guide having a cutoff frequency substantially at said desired operating frequency, a control circuit having a source of voltage connected in opposition to the output of said guide, and tuning means for said high frequency wave energy source responsive to the operation of said control circuit.

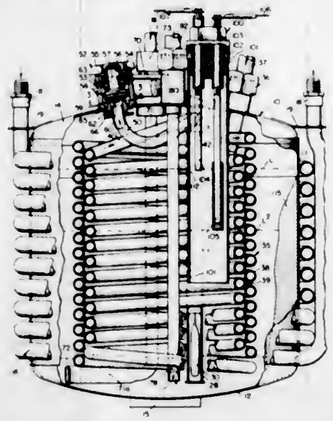
2,586,498
ELECTRONIC FREQUENCY CHANGER AND STABILIZING CONTROL MEANS THEREFOR
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 28, 1951, Serial No. 213,271
8 Claims. (Cl. 321—54)

3. In combination, a single phase load circuit, a transformer having a pair of polyphase secondary windings, said transformer being energized from a source of polyphase power, an electronic translating circuit including a plurality of electronic tubes each having a control grid and a plate circuit, the plate circuits of each of said tubes being interconnected between one terminal of said load circuit and one phase of one of said secondary windings, adjustable means for supplying control signals to said grids in a sequence corresponding to the phase rotation of said polyphase power, said tubes being connected to supply single phase power to said load



circuit, the grid lead angle being determined by the adjustment of said adjustable means, reactance means in parallel with said load circuit, and means responsive to a reduction in the load voltage for increasing the effective capacitance of said reactance means so as to maintain substantially the same angular relationship between the voltage and current supplied by said translating circuit after the reduction in load voltage as existed before such reduction.

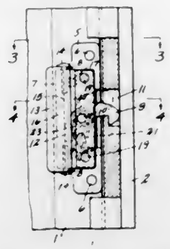
2,586,499
CARBONATING APPARATUS
Mark G. Anderson, Los Angeles, Calif., assignor to Anderson & Wagner, Inc., Los Angeles, Calif., a corporation of California
Application August 16, 1947, Serial No. 769,005
4 Claims. (Cl. 261—11)



2. In carbonating apparatus, an enclosed tank, a liquid inlet conduit leading into said tank and including a coil in the tank, a back check valve in said inlet conduit, a spray head located beyond said check valve at the end of said inlet conduit, said spray head being located in the upper part of said container whereby liquid passing through said coil is sprayed into said container, means for admitting carbon dioxide gas to said container under pressure, a carbonated liquid draw off conduit leading from the interior of said container

to the exterior thereof, and a refrigerating coil surrounding said container, said inlet coil being spaced inwardly of the walls of said container a substantial distance sufficient to permit of the freezing of a layer of carbonated water of substantial thickness on the wall of the tank without interfering with said inlet coil or causing water to freeze therein.

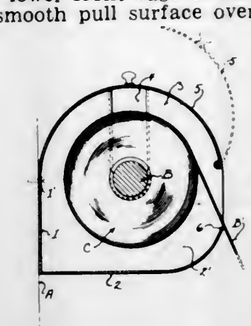
2,586,500
SLIDING SASH LOCK
Daniel E. Axe, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York
Application August 20, 1948, Serial No. 45,325
1 Claim. (Cl. 292—126)



A sliding-sash lock comprising an elongated flat base plate for attachment to the window sash, the plate having an angular wall along one lengthwise edge thereof and bearing lugs at the ends of said wall, a latch lever angular in general form pivoted to the base plate and having an outwardly extending arm projecting beyond the other lengthwise edge of the base plate, an elongated operating lever pivotally mounted to said bearing lugs and extending between the same, and having a hub substantially filling the space enclosed by the angular side wall and the bearing lugs, an outwardly extending finger flange and an inwardly extending flange located to slidably engage and operate the other arm of said latch lever, a housing for the latch lever mounted on the base plate and extending lengthwise thereof substantially the length of the operating lever and the distance between the bearing lugs, the housing having a slot through which the outer arm of the latch lever extends, and a spring located in the housing and acting on the latch lever to move it to latched position, the base plate being formed with stops located to limit the movement of the operating lever when moved in one direction to release the latch lever, and the operating lever having a stop thereon arranged to engage the top of the housing and limit the pivotal movement of the operating lever in the opposite direction.

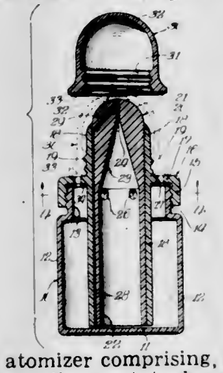
2,586,501
PAPER ROLL HOLDER
Karl Baar, Janesville, Wis.
Application September 23, 1949, Serial No. 117,367
1 Claim. (Cl. 242—55.5)

A holder for a roll of toilet paper comprising a housing including a bottom wall having an upwardly and forwardly extending front flange provided with cutting teeth, a rear wall and end walls connected with the bottom wall, said rear and end walls extending above the flange, and a cover pivotally secured at its front edge to the side walls in spaced relation to the cutting teeth of the front flange defining in conjunction therewith a dispensing slot for the paper pulled off the roll, the lower front edge of the cover constituting a smooth pull surface over which the



paper can slide during the pulling of the paper off of the roll.

2,586,502
NASAL ATOMIZER
Harrison Stout Backus, Skokie, Ill., assignor to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois
Application January 12, 1949, Serial No. 70,518
6 Claims. (Cl. 128—173)

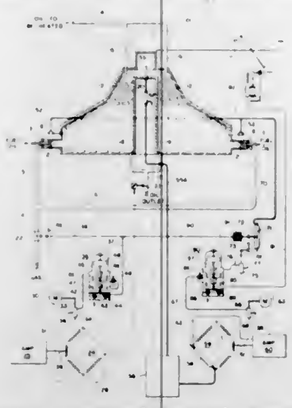


1. A nasal atomizer comprising, a reservoir for containing a medicament to be sprayed, a top element on said reservoir having a lower portion extending into the lower interior of said reservoir and an upper portion having an external surface engageable with the human nostril, said upper portion being provided with a centrally disposed air passage having an inlet in the upper interior of said reservoir and a discharge orifice in said surface with a constriction between said inlet and said orifice, said top element, having an opening through which air may enter said reservoir and also having a duct disposed laterally of said air passage and extending from the lower interior of said reservoir to the constriction in said passage, said top element being so constructed and arranged that said medicament will be drawn from said reservoir into said passage and discharged into said nostril in atomized form with the air which passes through said passage upon inspiration.

2,586,503
FLUID HEATER TEMPERATURE CONTROL SYSTEM
Clayton H. Barnard, Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application January 29, 1948, Serial No. 5,071
7 Claims. (Cl. 236—15)

1. A control system for controlling the operation of a heater to maintain the temperature of a

medium heated thereby at a constant value comprising, in combination, means operating in response to the temperature of the heated medium for producing a first control pressure, valve means responsive to said control pressure for controlling the supply of fuel to the heater, differential pressure means responsive to said first control pressure and to the pressure in said heater



for producing a second control pressure, means for measuring the oxygen content of the combustion gases, means controlled by said measuring means for producing a third control pressure, a relay responsive to said second and third control pressures for producing a fourth control pressure, and means responsive to said fourth control pressure for controlling the draft through the heater.

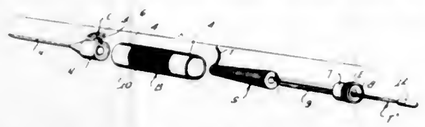
2,586,504
SIGN
Joseph B. Benge, Evanston, Ill.
Application March 21, 1950, Serial No. 150,997
3 Claims. (Cl. 40—137)



1. A sign of the character described comprising a plane surface having thereon an illustration of a face with the dark parts of the eyes on said surface, and means simulating the frames only of a pair of eyeglasses mounted on said surface to avoid shading the eyes of the illustrated face and having lens-simulating portions spaced forwardly from said surface in substantially normal relation to the eyes of the illustrated face, the dark parts of the eyes being substantially in fixed central relation to said lens simulating portions whereby the dark parts of the eyes appear to follow a person viewing them through said portions and moving parallel to the sign.

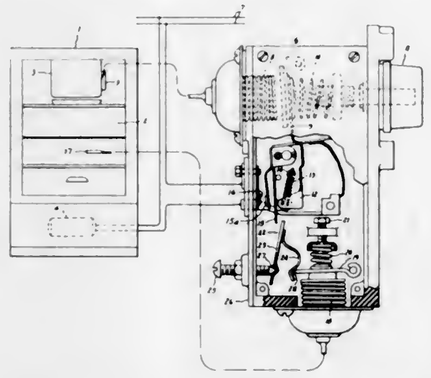
2,586,505
TAILOR'S TACK NEEDLE
Naomi C. Beverino, La Canada, Calif.
Application October 22, 1948, Serial No. 55,905
4 Claims. (Cl. 223—102)

1. A tacking unit comprising: a cylindrical body open at opposite ends, a needle mounting selectively attachable to the ends of the body for supporting a needle so as to be wholly extended from the body for use or wholly inclosed by the body, said mounting closing one end of the body, a closure detachably held on the opposite end of the body from said mounting, a needle of continuous hollow cross section from end to end secured to said mounting, said closure having an inwardly extended hollow stem axially



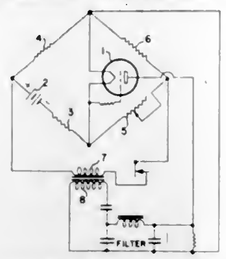
alined with and adapted to receive the needle when the needle is extended inwardly in the body, and a spool of thread rotatably mounted on said stem for continuously supplying thread through said needle when the needle is extended from the body for use.

2,586,506
REFRIGERATOR CONTROL
Harley H. Bixler, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application January 7, 1950, Serial No. 137,405
2 Claims. (Cl. 62—4)



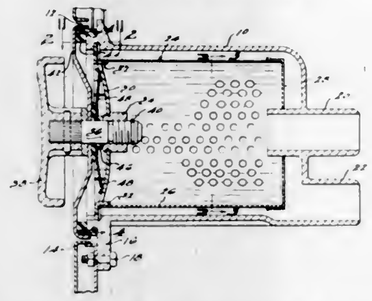
1. In a refrigerator having a compressor, an electrical circuit having an overcenter operated switch therein for operating said compressor, a food storage compartment and an evaporator positioned in the food storage compartment, a first temperature-responsive element positioned to be influenced primarily by the temperature of said evaporator, and a second temperature-responsive element positioned to be influenced primarily by the temperature of said food storage compartment, a first control system responsive to said first temperature-responsive element, said first control system comprising a first expansible bellows, a first spring positioned to bias said first bellows, a first operating arm positioned between said first bellows and said first spring, and a switch arm operable in response to movement of said operating arm to open and close said circuit for operating said compressor, a second control system comprising a second expansible bellows, a second spring biasing said bellows, a second operating arm positioned between said second bellows and said second spring, and means responsive to the movement of said second operating arm for independently opening and closing said switching arm to energize said compressor circuit in response to the movement of said second operating arm while said first operating arm is in the circuit open position.

2,586,507
POWER SUPPLY SYSTEM PROVIDING FILAMENT AND ANODE VOLTAGES FOR AN ELECTRON DISCHARGE DEVICE
Arie Hendrik Boerdijk and Johannes Marinus Lodevicus Janssen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application October 18, 1946, Serial No. 704,144
In the Netherlands August 4, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 4, 1965
4 Claims. (Cl. 315—178)



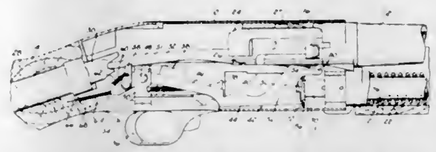
1. In combination with an electrical system provided with an electron discharge tube having a directly heated filament, a grid electrode and at least one additional electrode, apparatus for supplying power to said system comprising a Wheatstone bridge having first and second diagonals, a low-voltage source of direct current interposed in one arm of said bridge, said filament being connected across the second diagonals of said bridge for energization by said source, and a vibratory converter producing a high voltage for application to said additional electrode and including the primary of a transformer in series with a vibratory element, said serially connected primary and element being connected across the first diagonals of said bridge for energization of said converter by said source, said bridge being balanced whereby disturbances produced by said converter are decoupled from said filament.

2,586,508
STRAINER FOR WASHING MACHINES
Hyman D. Brotman, Detroit, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind., a corporation of Indiana
Original application January 18, 1945, Serial No. 573,362. Divided and this application March 29, 1946, Serial No. 658,286
6 Claims. (Cl. 210—164)



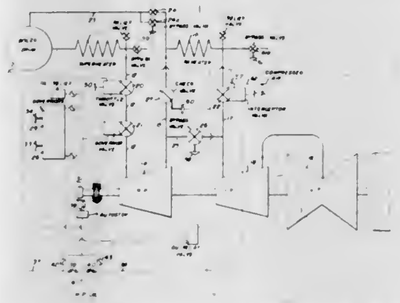
6. A strainer structure comprising a generally cylindrical casing open at one end and having a permanently fixed end wall at its other end provided with an outlet and provided with an axially located inlet having a tubular portion projecting inwardly of the casing, a perforated cylindrical strainer mounted within said casing and having an open end located at the open end of the casing and an end wall at its other end adjacent said end wall of the casing, and readily removable means for closing the open ends of said casing and strainer and for supporting the strainer within the casing, said end wall of the strainer having a central aperture fitting over said inwardly projecting tubular portion of the inlet.

2,586,509
CARRIER LATCH FOR REPEATING FIREARMS
Val A. Browning, Ogden, Utah
Application March 22, 1950, Serial No. 151,187
8 Claims. (Cl. 42—17)



1. In a firearm, a receiver, a barrel, a breech block mounted for reciprocation in the receiver, a carrier below the line of movement of the breech block pivoted for movement between a depressed cartridge-receiving position and in elevated position where it holds the cartridge thereon in alignment with the barrel, said receiver having a loading opening in its side wall through which cartridges may be inserted directly onto said carrier when the latter is in depressed position, means for moving the carrier to elevated position as the breech block advances from its recoil position, means for moving the carrier to depressed position as the breech block approaches battery position, and a rearwardly biased carrier latch adjacent the forward end of said carrier and engageable therewith to releasably maintain the carrier in depressed position and movable to unlatched position by a cartridge during the act of manually inserting the cartridge through said side loading opening and onto the carrier.

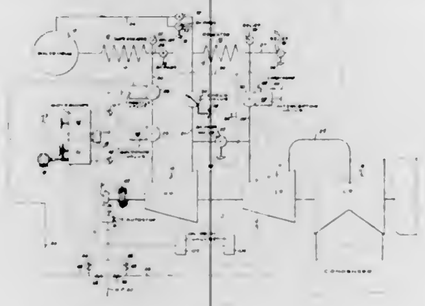
2,586,510
REHEATER CONTROL FOR TURBINE APPARATUS
Ozro N. Bryant, Prospect Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 5, 1948, Serial No. 52,880
4 Claims. (Cl. 60—73)



1. In a boiler and turbine installation wherein steam normally passes from a saturated steam drum through a superheater and a connection to

the inlet of a high-pressure turbine section and steam exhausting from the latter passes through a reheater to the inlet of an intermediate turbine section and wherein there is provided a connection for supplying saturated steam from the drum to the reheater and a reheater by-pass connecting the exhaust end of the high-pressure turbine section and the inlet of the intermediate-pressure turbine section, the combination of, a throttle valve and a governing valve set in the connection for supplying superheated steam to the high-pressure turbine section, an interceptor valve in the connection for supplying reheated steam to the intermediate-pressure turbine section, a valve in the reheater saturated steam supply connection, a valve in said by-pass, means for closing the interceptor valve in response to turbine overspeed and means responsive to the terminal portion of closing movement of the interceptor valve to open the saturated steam and by-pass valves and to the initial portion of opening movement of the interceptor valve to close the open saturated steam and by-pass valves.

2,586,511
REHEATER CONTROL FOR TURBINE APPARATUS
Ozro N. Bryant, Prospect Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 8, 1948, Serial No. 64,120
9 Claims. (Cl. 60—73)



1. In a reheat turbine plant comprising a turbine unit including high and intermediate-pressure sections: a reheater; connections for supplying superheated steam to the high-pressure section, for supplying steam discharging from the high-pressure section to the reheater, and for supplying reheated steam from the reheater to the intermediate-pressure section; a governor valve in the superheated steam supply connection; an interceptor valve in the reheated supply connection; main and auxiliary governors driven by the turbine unit for controlling the governor valve; said auxiliary governor having a smaller percentage of regulation than the main governor and each governor including a speed changer providing for setting of the auxiliary governor so that its full-load speed is higher than the full-load speed of the main governor and its no-load speed is lower than the no-load speed of the main governor; means operated by the auxiliary governor for tripping closed the interceptor valve in response to the auxiliary governor pursuant to a sudden load drop; and means responsive to said auxiliary governor to operate the interceptor valve to maintain the speed of the turbine unit below interceptor valve tripping speed following tripping thereof due to sudden load drop.

2,586,512
CYCLOHEXYL-AMINO-ALCOHOLS
Robert R. Burtner and William M. Selby, Skokie, Ill., assignors to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application September 15, 1948, Serial No. 49,462
4 Claims. (Cl. 260—563)

1. A member of the group consisting of the aminoalcohols of the formula

$$C_6H_{11}-\underset{\underset{OH}{|}}{CH}-\underset{\underset{NH_2}{|}}{CH}-R'$$

in which R′ is chosen from the group consisting of H, CH_3 and C_2H_5, and in which C_6H_{11} is a cyclohexane nucleus, and the salts thereof with acids.

2,586,513
BLOOD FILTER AND DRIP METER
William F. Butler, Oakland, Calif., assignor to Cutter Laboratories, Berkeley, Calif., a corporation of California
Application November 16, 1948, Serial No. 60,322
3 Claims. (Cl. 210—164)

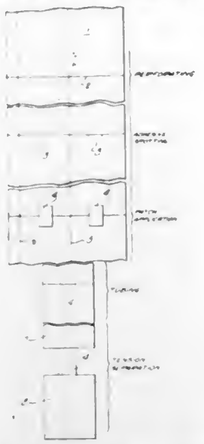


1. A blood transfusion filter of the character described comprising: a blood inert, transparent cylinder; a filter disc seated over one end of said cylinder; a form-sustaining filter tube fastened at its outer end to said disc and extending into said cylinder substantially coaxially therewith, the outer diameter of said tube being substantially smaller than the inner diameter of said cylinder and the inner end of said tube being closed; a resilient cap disposed over each end of said cylinder in sealing engagement therewith, each of said caps being provided with a concentric outwardly extending connecting nipple formed with an axial passageway.

2,586,514
METHOD OF MAKING CARRY BAGS
Leonard E. Canno, New York, N. Y., assignor to Equitable Paper Bag Co., Inc., Long Island City, N. Y., a corporation of New York
Application December 30, 1948, Serial No. 68,210
4 Claims. (Cl. 93—35)

1. A method for making carry bags comprising the steps of forming transverse lines of weakness in a web at bag length intervals, applying patches adhesively to said web with the patches spanning said lines but adhesively secured only on one side thereof, tubing said web, and tensioning

the resulting tube at said lines to separate said tube into bag lengths with said patches project-



ing beyond the bag length tubes so they may provide carrying handles.

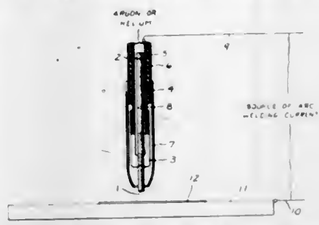
2,586,515
SIMPLIFIED SHOULDER AND SLEEVE CONSTRUCTION FOR GARMENTS
Charles Carvo, Rochester, Mich.; Violet V. Carvo, administratrix of Charles Carvo, deceased, assignor to herself
Application May 22, 1948, Serial No. 28,657
3 Claims. (Cl. 2—97)



1. A coat having an arcuate shoulder and having an arm opening formed therein adjacent said shoulder, a sleeve secured to said coat around said opening, layers of padding disposed on the inside of said coat shoulder adjacent said arm opening and stitched to said shoulder, a coat lining overlying said padding and having the inner end thereof stitched to said shoulder inwardly of said padding and having the opposite end thereof free from said shoulder adjacent said arm opening, a sleeve lining disposed within said sleeve and having the top arc thereof free of said sleeve and shoulder and terminating adjacent said arm opening and beneath said padding, and separable means interconnecting the free end of said coat lining and the adjacent top arc of said sleeve lining.

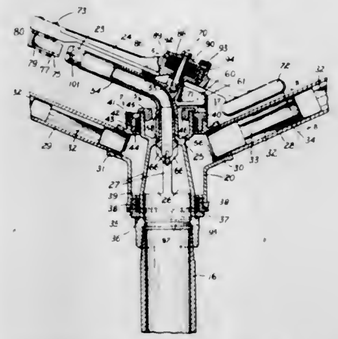
2,586,516
INERT GAS ARC WELDING ELECTRODE
James D. Cobine, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 12, 1949, Serial No. 76,085
5 Claims. (Cl. 219—8)

1. A non-consumable inert gas arc welding electrode of tungsten which is capable of starting an arc instantly and maintaining a stable arc at temperatures below the incandescent temperature of tungsten, said electrode including as a part thereof a material providing at the arcing terminal of said electrode zirconium oxide for



forming a stable cathode spot at its arcing terminal.

2,586,517
WATER DISTRIBUTING DEVICE
Walter H. Coles, Troy, Ohio, assignor to The Skinner Irrigation Company, Troy, Ohio, a corporation of Ohio
Application May 4, 1948, Serial No. 24,980
19 Claims. (Cl. 299—69)

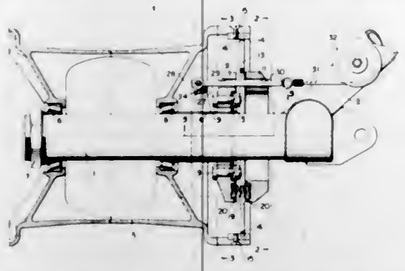


1. A rotating sprinkler device of the impact type comprising a central support adapted for connection to a supply of water under pressure, a main nozzle assembly rotatably mounted upon said support and including a plurality of water distributing nozzles for discharging water therefrom in such direction that the reaction forces thereof are opposed to each other with a substantially reduced resultant force effective upon said support, a driving nozzle mounted for rotation with respect to said support for producing a driving jet, means for causing said driving nozzle to rotate simultaneously with and in predetermined fixed relation to said main nozzle assembly such that the reaction force thereof substantially balances said resultant force, an impact arm, and means for mounting said impact arm for oscillation relative to said nozzle assembly in response to the force thereon of said driving jet to effect step-by-step rotation of said nozzles with respect to said support.

2,586,518
MECHANICAL AIRCRAFT BRAKE
George H. Collier, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application September 11, 1948, Serial No. 48,902
2 Claims. (Cl. 188—72)

1. A mechanical brake for light airplanes and including a horizontal axle, an angularly inclined outrigger supporting the axle, a hub-like wheel rotatably supported on the axle, a hollow center disc feathered at its periphery to the side of the wheel adjacent the outrigger, a substantially

oval-shaped brake plate fixed to the axle between the disc and the wheel, a second substantially oval-shaped brake plate slidably mounted on the fixed brake plate but on the outrigger side of the disc, a forked lever straddling the axle between the fixed brake plate and the wheel, bolts connecting the brake plates together and connected to the forked ends of the lever, cam means carried by the forked ends of the lever and engaging



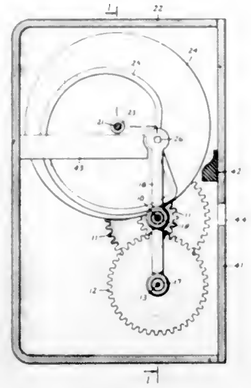
the fixed brake plate whereby arcuate movement of the unforked end of the lever towards the fixed brake plate will pull on the bolts and move the movable brake plate against the disc, a pulley rotatably mounted on the outrigger, a cable extending around the pulley and through holes in the movable and fixed brake plates and connected to the lever, and coiled compression springs normally holding the movable brake plate away from the fixed brake plate.

2,586,519
LIME-FREE CALCIUM ARSENATE AND GAMMA BENZENE HEXACHLORIDE INSECTICIDE AND METHOD
Thomas W. Collins, Jr., Iselin, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 14, 1948, Serial No. 21,087
6 Claims. (Cl. 167—15)

1. An insecticidal composition adapted for simultaneously combating insect pests of the character of *Anthonomus grandis* Boh. and *Aphis gossypii* Glov., comprising a quantity between about .5 and about 5% of gamma benzene hexachloride, and a major proportion of a substantially lime-free calcium arsenate having a hydroxyl ion concentration when slurried in water equivalent to a pH of between 9.3 and 10.5.

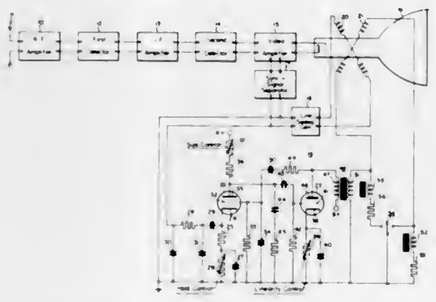
2,586,520
NUMERAL WHEEL ALIGNING MECHANISM
Frederick W. Cunningham, Stamford, Conn., assignor to Arma Corporation, Brooklyn, N. Y., a corporation of New York
Application January 13, 1949, Serial No. 70,643
5 Claims. (Cl. 235—91)

1. In a mechanical counting mechanism having at least first and second digital order numeral devices movable relatively to an index, and a driver therefor, the combination of a movable member, tens transfer driving connections between said first and second devices operable in the absence of movement of said member, said member being connected to said first and second devices through means including at least a portion of said tens transfer driving connections for movement in one direction with said first device to drive said second device in a given direction and variable motion means including a magnetically connected cam and follower combination interposed between said first device and said member for oscillating the latter first in a direction opposite to said one direction to cancel



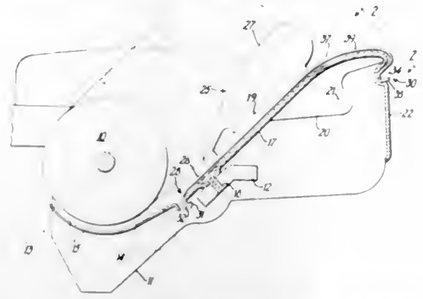
the movement imparted by said first device to said second device by said tens transfer driving connection and then in said one direction to advance the second device a predetermined degree.

2,586,521
TELEVISION RECEIVER IMAGE-SIZE CONTROL SWITCH
Walter P. Czeropski, Jr., Chicago, and Richard O. Gray, Broadview, Ill., assignors to Zenith Radio Corporation, a corporation of Illinois
Application June 16, 1950, Serial No. 168,544
4 Claims. (Cl. 315—27)
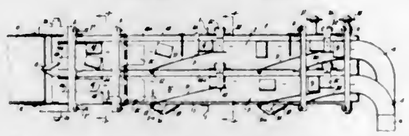


1. A circuit for supplying a beam-deflection current to scanning coils associated with a cathode-ray tube comprising: an output transformer having a primary winding and having a secondary winding coupled to said scanning coils; a net work coupled to said primary winding for supplying a deflection signal thereto; a first impedance and a second impedance; and a switching device for connecting said first impedance in series and said second impedance in shunt with said scanning coils and secondary winding in one operating position to reduce the size of an image reproduced by said tube, and for disconnecting said impedances from said circuit in a second operating position; said first and second impedances and the impedance value of said scanning coils being so proportioned that the reflected impedance in said primary winding remains substantially constant for both operating conditions of said switching device.

2,586,522
ADJUSTABLE PAPER GUIDE
William A. Dobson, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application March 19, 1949, Serial No. 82,319
5 Claims. (Cl. 197—142)



3. As a new article of manufacture, a side-edge paper guide for sliding adjustment along a paper shelf, comprising, a body having at two extremities integral therewith two spaced, smooth-faced glide-ways extending lineally parallel and facing approximately oppositely in the same plane for individual interfitting, groove-and-edge gliding association with two parallel guide-ways therefor on a paper shelf, said body including an integral, resilient arch between the two glide-ways for groove-and-edge frictional gliding contact of the latter with said parallel guide-ways under resilient pressure afforded by said arch.

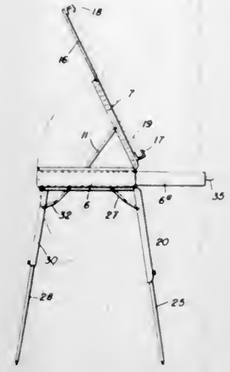
2,586,523
CAN UNSCRAMBLER
Edmond R. Dudley, Jr., San Jose, Calif.
Application September 13, 1948, Serial No. 49,053
8 Claims. (Cl. 198—30)



1. A can aligning machine comprising means for conveying cans from a loading station to a delivery station and defining a path of travel, a can gauging member disposed above said path of travel at a height greater than the can radius and less than the can diameter, and a can turning member disposed beneath said gauging member and above said path of travel, said turning member extending over said path of travel a distance sufficient to engage the rim of a can parallel to and abutting said gauging member and to turn the can.

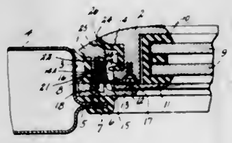
2,586,524
PAINTER'S KIT
Claude J. Dussardier, Chicago, Ill.
Application January 26, 1948, Serial No. 4,290
1 Claim. (Cl. 45—129)

A painter's kit comprising a case having upper and lower walls, an upper cover hinged to said upper wall, an arm pivoted to the upper cover at substantially the center thereof, a toothed bar carried by the upper wall of said case for receiving the free end of said arm to retain said upper cover in a selected inclined position, means carried by said upper cover for supporting a canvas, a lower cover hinged to said bottom wall, a pair of legs adjustably supported on said lower cover, folding braces between said lower wall and said lower cover, a substantially V-shaped member pivoted at its ends to said lower wall, a rear leg adjustably supported on said V-



shaped member, and a folding brace between said V-shaped member and said lower wall, said V-shaped member being foldable against the lower wall and said lower cover being foldable toward said lower wall and normally embracing said V-shaped member.

2,586,525
WINDOW FRAME AND SASH ASSEMBLY
Harold Edwards and George H. Goodemote, Syracuse, N. Y., assignors to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York
Application August 8, 1947, Serial No. 767,444
1 Claim. (Cl. 189—69)



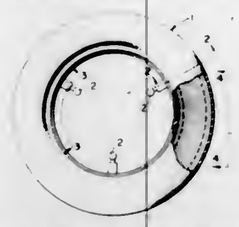
In a window frame and sash assembly, a window frame; a sash nested in the frame and a spring leaf extending edgewise relative to the sash at one side face of the sash and anchored at its opposite ends to the frame and to the sash, the frame and the sash being spaced apart along the edge faces thereof on which the spring leaf is located, providing a clearance recess through which the spring leaf extends to permit the spring leaf to flex about an axis located in the recess, the window frame being formed with an angular inwardly extending abutment flange extending circumferentially around one side face of the sash against which the sash abuts when closed, the abutment flange closing the recess along one side face of the sash when the sash is closed, the recess being formed to provide an angular portion on the side of the sash and frame opposite to that on which the abutment flange is located so that the edge of the sash laps the opposing portion of the frame.

2,586,526

AIR BAG ELECTRODE CONSTRUCTION FOR RADIO-FREQUENCY HEATING OF PNEUMATIC TIRES

Robert S. Enabnit, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application March 17, 1949, Serial No. 81,912
13 Claims. (Cl. 18—45)



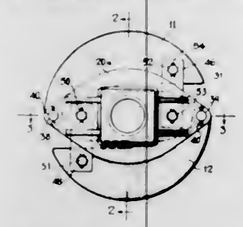
8. An airbag for the vulcanization of tires comprising a resilient arcuate body having a bore therein, and a plurality of endless convolutions of an electrical conductor extending around the bore of said body at an acute angle of at least about 30 degrees to a radius of the body.

2,586,527

COILER DRUM FOR ROLLING MILLS AND THE LIKE

John F. Ferm, Midland, Pa., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey

Application April 4, 1950, Serial No. 153,821
9 Claims. (Cl. 242—78)



1. A coiling reel of the character described, comprising: a relatively wide and flat central blade member, having means thereon for mounting on a shaft, and a pair of arcuately shaped, peripheral blade members of substantially semi-cylindrical, external contour, means hingedly mounting said peripheral blade members along one edge of each, to the opposite edges respectively of said central blade member said peripheral blade members being mounted with their inner faces adjacent respectively opposite faces of said central blade member and with their free edges facing in the same direction peripherally of said central blade member, and means for maintaining the free edges of said peripheral blade members in spaced relation to said central blade member, thereby to provide oppositely extending slots, for reception therein of an end of strip material to be coiled.

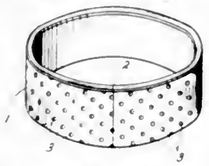
2,586,528

BUSHING

Benjamin S. Gerson, Cleveland, Ohio, assignor to National Formetal Company, Cleveland, Ohio, a corporation of Ohio

Application May 6, 1946, Serial No. 667,647
3 Claims. (Cl. 16—2)

1. A bushing for lining openings in die-castings comprising a ring formed with a plurality of indentations in its outer surface, the indentations being of the form of a segment of a sphere of



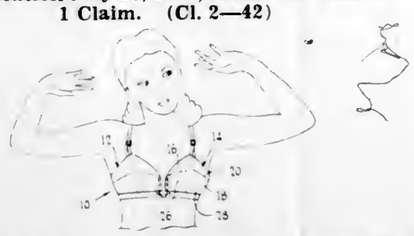
altitude substantially half the radius of the sphere.

2,586,529

WIRED BRASSIÈRE

Gerald W. Gluckin, New York, N. Y.

Application July 16, 1947, Serial No. 761,189
1 Claim. (Cl. 2—42)



A brassière comprising a pair of spaced bust cups, each of said bust cups having a substantially straight vertical inner edge portion and a base, the vertical inner edge portion of each bust cup meeting the base of said bust cup to form an inside bottom corner, the inner edge portion of each bust cup extending upwardly from adjacent the base of said bust cup, said portions being spaced from one another circumferentially of the brassière, each of said edge portions having a vertically extending pocket, each pocket having a bottom end, said bottom ends being open and unconnected with one another, a U-shaped wire element comprising a base having ends and a pair of spaced upwardly extending reaches at said ends of the base of the wire element, said reaches being slidably disposed in said pockets, and means to hold the inside bottom corners of said bust cups together independently of said wire element, said last-named means comprising a strip of non-elastic fabric which is doubled over along its longitudinal central axis thus forming a doubled over portion and a folded edge, said strip of fabric constituting a body-encircling band which runs along and is secured to the bases of the bust cups and extends across the space between the two bust cups, the folded edge of said strip being lowermost, a part of the doubled over portion of the strip being disposed between the bust cups, said part of the doubled over portion being unconnected except at the folded edge and forming a receptacle within which the base of the wire element is disposed thereby to prevent the reaches of said element from accidentally sliding out of the vertical pockets, the bottom ends of the vertical pockets terminating within said part of the doubled over strip extending between the bust cups.

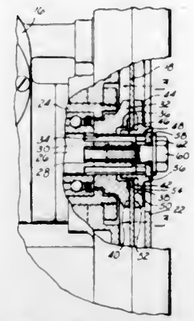
2,586,530

SAW BLADE HOLDING MEANS

James H. Godfrey, Berlin, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut

Application July 8, 1948, Serial No. 37,582
2 Claims. (Cl. 143—155)

2. In a power saw having a splined arbor rotatably mounted by a bearing unit and a rotary saw blade provided with a central opening permitting rotation of the saw blade relative to the arbor, the combination of means to connect the blade to the arbor adjacent one end thereof comprising a first clamping and driving flange abutting the bearing unit and having a peripheral portion engaging one face of the saw blade and an annular recess surrounding a central arbor opening, said first flange also having means engaging a spline of the arbor, a second driving and clamping flange having a peripheral portion engaging the other face of the saw blade and a sleeve-like hub having one end extending into



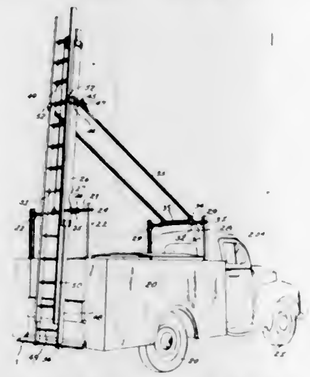
and through the saw blade opening in snug fitting relation thereto, said hub having a central opening receiving the arbor and having means engaging a spline thereof on both sides of the saw blade, said second flange having an integrally formed resilient body portion of reduced thickness interconnecting said hub and said peripheral portion, and screw means threadably engaging the end of the arbor and engaging the other end of said hub to urge said peripheral portion of said second flange into resilient clamping engagement with said other face of the saw blade.

2,586,531

WHEELED SUPPORT HAVING LADDER ASSEMBLY

Donald L. Gordon, Plymouth, Ind.

Application April 20, 1950, Serial No. 157,117
7 Claims. (Cl. 228—6)



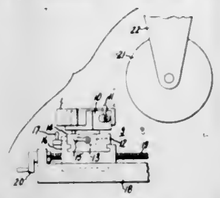
1. The combination with a wheeled support, of a rear supporting device mounted upon the wheeled support, ladder casings having their rear ends pivotally mounted upon the supporting device so that the ladder casings swing substantially vertically, a forward supporting device mounted upon the wheeled support, tubular tracks having their forward ends pivotally mounted upon the forward supporting device to swing substantially vertically, the forward supporting device also supporting the ladder casings when shifted to the substantially horizontal position, carriages pivotally mounted upon the ladder casings forwardly of their rear ends and operating within the tubular tracks, a ladder having rails longitudinally adjustably mounted within the ladder casings, and a member carried by the wheeled support and having pockets to receive the ends of the ladder rails when such rails are substantially vertically arranged.

2,586,532

METHOD OF WORKING LAMINATED METAL

John C. Granfield, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application October 7, 1950, Serial No. 188,997
6 Claims. (Cl. 51—281)



1. The method of cutting a laminated steel structure transverse to the laminations which comprises, lowering the temperature of said structure substantially below zero degrees F. so as to embrittle the steel, holding said laminations rigidly together, and cutting across said laminations while said structure is at said low temperature by conventional cutting means, said low temperature embrittled steel being cut without flowing or dragging so that burrs are not formed between laminations.

2,586,533

ACYLATED THIOL ESTERS FROM ETIOBILIENIC ACID ESTERS

Gordon A. Grant, Montreal, Quebec, and Carl von Seemann, Westmount, Quebec, Canada, assignors to Ayerst, McKenna & Harrison, Limited, Montreal, Quebec, Canada, a corporation of Canada

No Drawing. Original application April 1, 1948, Serial No. 18,485. Divided and this application March 2, 1950, Serial No. 147,324. In Canada December 22, 1947
3 Claims. (Cl. 260—455)

1. An alkyl-thiol ester of a 3(β)-acyletiobilienic acid alkyl ester.

2,586,534

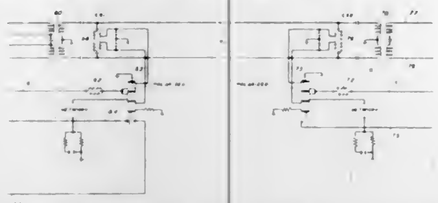
PRIVATE BRANCH EXCHANGE TRUNK CIRCUIT

Preston R. Gray, Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 29, 1948, Serial No. 67,835
4 Claims. (Cl. 179—27)

1. In a telephone system, a private branch exchange, a central office, a trunk from said branch exchange to said office, signal means connected to the ends of said trunk constituting a composite signaling channel thereover, a toll operator position, trunks for extending calls from said central office to said position, said branch exchange comprising an attendant's

position, subscriber lines, automatic switching means for inter-connecting calling and called lines and for connecting calling lines to said trunk to the central office, said central office comprising subscriber lines and automatic switching means for connecting said private branch exchange trunk to a called line or to a trunk to said toll operator position, and means including composite signaling means in said cen-



tral office effectively responsive to the connection of said trunk from the private branch exchange to a trunk to the toll operator position to transmit a signal over the composite signaling channel of said trunk to said branch exchange, and means in said branch exchange responsive to said signal for transferring the calling line from said trunk to the central office to said attendant's position.

2,586,535

CATALYTIC HYDROGENATION OF AROMATIC HYDROCARBONS IN A STAINLESS STEEL REACTOR

Vladimir N. Ipatieff and Herman Pines, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application December 29, 1948, Serial No. 68,093

7 Claims. (Cl. 260—667)

5. A process which comprises hydrogenating a benzene hydrocarbon at a temperature of from about 200° to about 400° C. at a pressure of from about 50 to about 200 atmospheres and in the presence of stainless steel containing nickel and chromium and of a catalyst composite comprising copper and alumina.

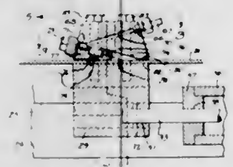
2,586,536

PRESSURE FLUID CLAMP

John Haller, Detroit, Mich.

Original application March 15, 1947, Serial No. 734,904, now Patent No. 2,467,740, dated April 19, 1949. Divided and this application August 17, 1948, Serial No. 44,622

3 Claims. (Cl. 24—244)



1. A selectively applicable and releasable pressure fluid clamping and feeding device for an intermittent sheet metal feeding mechanism serving a sheet metal stamping, cutting or punching machine, said clamping device comprising a casing structure having a slot therethrough for the passage of said sheet metal, said slot having spaced upper and lower walls, with a wedge-shaped recess adjacent one of said walls and having a recessed wall inclined relatively thereto, an elongated wedging roller disposed in said recess and engageable with said inclined wall, a plurality of spaced cylinder bores disposed in said casing structure with their axes substantially parallel to one another, said cylinder bores being inclined relatively to said lower wall and with their axes directed toward said roller, a clamp-operating piston reciprocably mounted in each cylinder bore and engageable with said roller, and a pressure fluid supply passageway opening into said cylinder bores and having a connecting portion adapted to be connected to a source of pressure fluid.

2,586,537

CONVEYER SEALING DEVICE

Henry W. Hapman, Detroit, Mich., assignor, by mesne assignments, of sixty per cent to Henry W. Hapman and forty per cent to Hannah J. Hapman, both of Detroit, Mich.

Application June 17, 1948, Serial No. 33,629

1 Claim. (Cl. 198—168)



A flight conveyor sealing device for insertion in a gap in a conduit traversed by a flight conveyor, said sealing device comprising a resilient tubular member having a bore therethrough for the passage of said flight conveyor, clamping members securing the opposite ends of said tubular member to the ends of said conduit at said gap, and a constrictor encircling said tubular member and having tightening elements connected thereto, said constrictor comprising a flexible band extending around said tubular member and having opposite overlapping free longitudinal edge portions extending lengthwise of said tubular member, said tightening elements being secured between spaced parts of said edge portions.

2,586,538

FLIGHT CONVEYER STRUCTURE

Henry W. Hapman, Detroit, Mich., assignor, by mesne assignments, of forty per cent to Hannah Jane Hapman, Detroit, Mich.

Original application December 13, 1944, Serial No. 567,961. Divided and this application October 28, 1948, Serial No. 57,048

4 Claims. (Cl. 198—176)



3. A flight conveyor comprising an elongated hollow tubular flexible conveyor propelling element having a central longitudinal void extending substantially the entire length of said element, a series of conveyor flight supporting plates spacedly mounted on said conveyor propelling element, and flexible disc flights of rubber-like material secured to said supporting plates, the said flight supporting plates having axially-extending annular flanges encircling the flexible conveyor element.

2,586,539

METAL RECTIFIER ASSEMBLY

Edgar A. Harty, Marblehead, Mass., assignor to General Electric Company, a corporation of New York

Application September 4, 1947, Serial No. 772,127

4 Claims. (Cl. 175—366)



1. A self-contained alternating current rectifier cell comprising the combination of a plate-shaped base electrode, a film of selenium coating one surface thereof, a counter-electrode coating the surface of said film which is opposite said base electrode, a ring-shaped layer of insulating material on said counter-electrode, a coating of metal over said layer of insulating material and at least a portion of said counter-electrode to define a cell contact area overlying said insulating material, and an external coating of insulating material upon all the exposed surface of said rectifier cell except said contact area.

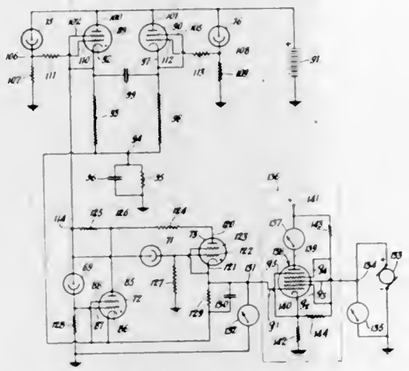
2,586,540

TORSION METER

William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 26, 1948, Serial No. 11,209

2 Claims. (Cl. 73—136)



1. In apparatus for measuring the torsional deflection of a rotating shaft, first and second separate light modulators, said first modulator including a first movable member, said second light modulator including a second movable member, said members being respectively driven by two longitudinally spaced portions of said shaft, each of said members comprising alternate light-reflecting and light-absorbing surface areas, a light beam directed toward each of said members, a first phototube for said first light modulator, a second phototube for said second light modulator, said light modulators being adapted to transmit to said phototubes modulated light beams differing in phase by an amount determined by the relative torsional deflection between said spaced portions of said shaft, said members being oriented with relation to one another in such manner that when there is no torsional deflection said first and second phototubes are simultaneously illuminated and simultaneously darkened, and when there is torsional deflection said first phototube is illuminated before said second phototube, a phase-sensitive comparison circuit connected to said first and second phototubes for producing a series of unidirectional current pulses each having a duration determined by the torsional deflection of said shaft, said circuit comprising first and second thyratrons respectively fired by said first and second phototubes, said first thyratron comprising an anode and a cathode, said second thyratron comprising an anode, a source of anode current supply, a terminal connected to said anode current supply, each of said anodes connected to said terminal, means for interrupting said anode current supply at intervals corresponding to the number of light-reflecting surface areas on said first movable member, said means comprising third and fourth phototubes positioned in a plane perpendicular to the axis of said first movable member, said phototubes being located at different angular positions with respect to the axis of said member, a light beam located in a plane passing through the axis of said member in such manner as to bisect the angle subtended at said axis by said third and fourth phototubes, said light beam being reflected by a light-reflecting surface area of said member toward said third phototube and then toward said fourth phototube in accordance with the angular position of said rotating shaft, a third thyratron connected to said third phototube and adapted to be fired thereby prior to the firing of said first and second thyratrons, said third thyratron being connected to said anode current supply source and to said anode current supply terminal and being adapted while conducting to supply a potential to said anode current supply terminal sufficient to support the conduction of said first and second thyratrons, a fourth thyratron connected to said fourth phototube and adapted to be fired thereby subsequent to the firing of said first and second thyratrons, said fourth thyratron being connected to said third thyratron and adapted on being fired to extinguish the conduction of said third thyratron, circuit means connected between said anode current supply terminal and the anodes of said first and second thyratrons for lowering the anode potential of said first thyratron below the value required to support conduction of said first thyratron on firing said second thyratron and thereby producing through said first thyratron said series of unidirectional current pulses, circuit means connected to the cathode of said first thyratron for providing a steady unidirectional voltage having a value determined by the duration of said unidirectional current pulses and hence by the torque transmitted by said shaft.

2,586,541

DETONATING ASSEMBLY

Gerald Boyd Horn, Woodbury, N. J., and Harold Arthur Lewis, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 30, 1948, Serial No. 36,114

5 Claims. (Cl. 102—24)

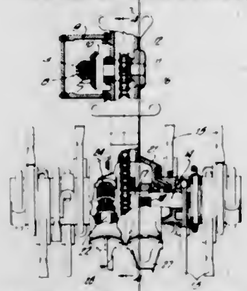
1. A detonating assembly comprising a rigid elongated container, a high explosive charge within said container, a rigid enclosing device fixedly attached to the outside of the wall of said container, passing through said enclosing device at least one length of detonating fuse substantially parallel to the longitudinal axis of the container and extending beyond said container at at least one end thereof, and at least one additional column of explosive passing through said enclosing device and in detonating relationship

with the said fuse, one of said additional columns of explosive being of lesser length than that of the



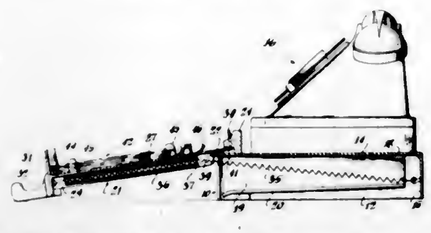
explosive container and all columns being given explosive confinement by the enclosing device.

2,586,542
AUXILIARY ROTOR FOR TILLER GEAR CASINGS
Cadwallader W. Kelsey, Troy, N. Y.
Application September 12, 1947, Serial No. 773,633
2 Claims. (Cl. 97—40)



2. In a rotary soil working device of the character described, comprising a casing having a shaft transversely extending through the bottom thereof, a sprocket wheel mounted on said shaft within said casing and having a driving chain thereon connected to a driving mechanism cooperatively associated with said device, a spiral gear secured to the shaft on each side of the sprocket wheel within the bottom of said casing, a downwardly inclined shaft extending through the casing on each side of the sprocket wheel and in advance thereof, a spiral gear secured to each downwardly-inclined shaft within the casing, said last named spiral gears respectively being meshed with said first named spiral gears on each side of said sprocket wheel, a rotary drill-like soil working tool secured to the end of each downwardly-inclined shaft outside of said casing, a group of soil working tools mounted on each side of said tranverse shaft and adapted to rotate therewith to till the soil on opposite sides of said drill-like tools, said drill-like tools being adapted to rotate in opposite directions to hold the entire device in alignment with respect to the direction in which it is being operated, said separate tools being so constructed and arranged with respect to said casing that a furrow will be plowed of a width greater than the width of said casing and of a depth sufficient to permit said casing to enter said furrow thereby preventing the casing and tilling tools from being lifted out of the ground during operation.

2,586,543
SUPPORT
John J. Kennedy, Richmond Hill, N. Y.
Application November 18, 1947, Serial No. 786,661
4 Claims. (Cl. 312—319)



4. In a device of the class described, the combination of a receptacle having an open end, a top with a forward extension, a drawer including a shelf slidably mounted in said receptacle and adapted to be withdrawn from the interior thereof and supported by said top in bearing engagement with said extension, tongue and groove means associated respectively with said top and the inner end of said drawer, said means being constructed and arranged to cooperate in retaining said drawer in a predetermined outward position with said shelf disposed outside of said open end, said drawer having an upwardly extending portion at the inner end thereof formed with a groove, said receptacle having a tongue portion adapted to extend into said groove and having stop means at the interior adjacent said end opposite said open end adapted to be engaged by said upwardly extending portion, and an extendable resilient means connected to said receptacle at the end opposite to said open end and to said drawer for normally urging said drawer into said receptacle and serving to retain said drawer in its predetermined outward position while said tongue and groove means are in cooperating relation.

2,586,544
VARIABLE IMPEDANCE DEVICE
Fritz Kesselring, Zollikon/Zurich, Switzerland, assignor to FKG Fritz Kesselring Geratebau Aktiengesellschaft Bachtobel-Weinfelden, a Swiss company
Application May 28, 1947, Serial No. 751,019
In Switzerland May 29, 1946
4 Claims. (Cl. 201—48)



1. A variable electric impedance device, comprising two terminals, a recurrent network-like resistance structure connected across said terminals and having a finite plurality of sequentially interconnected impedance sections each having series-arranged and shunt-arranged impedance means, a finite plurality of mutually

spaced switch contact means disposed in said respective impedance sections in series relation with said respective shunt-arranged impedance means, said series and shunt arranged impedance means of each of said impedance sections being disposed in symmetry relative to the appertaining switch contact means, and control means movable between different positions for sequentially closing and opening said contact means, a maximum number of said contact means being closed in one of said positions to provide minimum total impedance, a minimum number of said contact means being closed in another one of said positions, and a progressively declining number of said contact means being closed during movement of said control means from said one to said other position.

2,586,545
BENEFICIATION OF NONMETALLIC ORES
Ira Milton Le Baron, Lakeland, Walter O. McClintock, Mulberry, and James E. Lawver, Lakeland, Fla., assignors to International Minerals and Chemical Corporation, a corporation of New York
No Drawing. Application June 3, 1947, Serial No. 752,272
5 Claims. (Cl. 209—8)

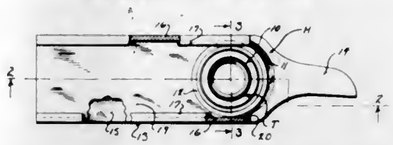
1. A process for beneficiation of iron compound-containing phosphate rock selected from the group consisting of Montana and Tennessee phosphate rock having the iron compounds unevenly dispersed through the phosphate material as a component which economical comminution methods fail to liberate, which comprises desliming the comminuted ore, roasting the comminuted ore in a reducing atmosphere at a temperature in the range of between about 750° F. and about 1350° F., and subjecting the roasted ore to magnetic separation to produce at least a phosphate fraction low in iron content.

2,586,546
DOUBLE LENS REMOVABLE UNIT FOR EYEGLASSES
Ruth Hussey Longenecker, Los Angeles, Calif.
Application February 17, 1950, Serial No. 144,662
4 Claims. (Cl. 88—41)



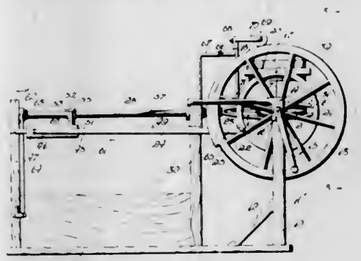
1. A spectacle frame having a bridge piece and lens openings, said lens openings each having a lens retaining groove at the bottom and a lens retaining rabbet at the forward side of the lens opening; a transverse arcuate channel in said bridge communicating with said lens openings; a lens retainer comprising a pair of rings each shaped to fit in the groove and behind the rabbet of each lens opening; a bowed transversely flat leaf spring member connecting said lens rings; said spring member being normally bowed on an arc of different radius than that of the bridge channel; said lens retainer being insertable in said frame with said spring member deformed to enter said channel; said spring member frictionally engaging said channel and driving said lens rings into frictional engagement with the groove and rabbet of the lens opening, so as to wedge respective lenses between surfaces of said rabbet and forward edges of said rings.

2,586,547
HAND TRAP
Leslie C. Marley, Milwaukee, Wis.
Application October 15, 1948, Serial No. 54,731
1 Claim. (Cl. 124—5)



A hand trap for throwing targets comprising an elongated guideway extending for a length of at least twice the diameter of the target including a flat base plate and longitudinally extending guide rails having inturned flanges for receiving the opposite sides of a target, a hand grip on the rear end of the guideway, said guide rails opening out at the front end of the guideway, and a resilient friction shoe at the extreme rear end of the guideway arranged within one of said rails, whereby to frictionally contact an edge of the target when said target is pushed rearwardly into the guideway toward the handle, said shoe being tapered downwardly and forwardly from the rear end of the guideway toward the front end of the guideway, said shoe being in rear of the transverse center of the target, when the target is in the extreme rear end of the guideway and in its "cocked" position, said hand grip closing the rear end of the guideway and having its central longitudinal axis aligned with the central longitudinal axis of the guideway, whereby at the end of the throwing motion the longitudinal axis of the guideway and the thrower's arm are substantially aligned to aid in controlling the direction of the flight of the target.

2,586,548
SHUTTLE WINDER
John E. McArthur, Dauphin, Manitoba, Canada
Application September 29, 1949, Serial No. 118,584
4 Claims. (Cl. 242—52)



1. A shuttle winder comprising in combination with a shuttle having a pair of elongated, open-sided flanks spanned by an internally spaced winding core and a resilient tongue projecting from said core in the plane of said flanks, and a spool from which stranded material is wound on to said shuttle, a supporting structure, a drive wheel thereon, a spindle disposed on one side of the plane on which said wheel lies normal to the rotary axis thereof, chuck means on the end of said spindle for carrying said shuttle rotatably about the longitudinal axis thereof, means for rotating said spindle, said means comprising an elongated spiral guide extending around the surface of said spindle, a connecting rod on said drive wheel, and a traveller on the end of said connecting rod opposite to that connected to said

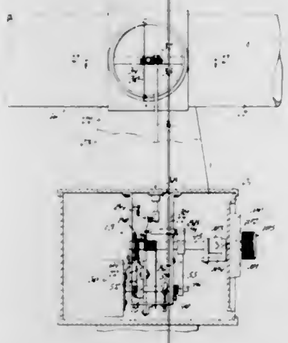
drive wheel, said traveller engaging said guide so as to rotate said spindle upon movement of said connecting rod under the influence of said drive wheel, means for deflecting said shuttle tongue to one side of the plane of said flanks towards said drive wheel once every half revolution of said shuttle, and a stranded material distributor on said drive wheel, rotatable therewith and projecting therefrom to an extent such that it moves through a planar course the area enclosed whereby is nearer to the plane of said shuttle-flanks when parallel to said enclosed area, than the tip of said tongue when deflected as aforesaid, so that said distributor passes said stranded material between said tip and the plane of said flanks, said spindle rotating said shuttle 90° between the stage at which said tongue is deflected and the subsequent stage at which said distributor delivers said material to the unsupported end of said shuttle, at which end the said flanks thereof are spaced to provide an entrance opening for said stranded material to said winding core.

2,586,549

COIN-ACTUATED TIME-CONTROL MECHANISM

Ernest A. Miller, Long Beach, Calif.

Application July 17, 1948, Serial No. 39,251
11 Claims. (Cl. 161—26)



1. A time-controlled mechanism for moving an element to two positions and for controlling the duration of stay of the element at the first of said positions, comprising: rotatable cam means; rotatable operating means; manually operable means for rotating said operating means in opposite directions; means rotatable with said operating means for rotating said cam means in one direction to a set position; a timer device for rotating said cam means in the opposite direction to a release position; an actuating lever operatively connected to said element for moving the same to said two positions; cam follower means movable on said actuating lever and operatively connected to said manually rotatable operating means and engageable with said cam means, rotation of said operating means in one direction acting to first withdraw said follower means from engagement with said cam means and to subsequently rotate said cam means to a set position and set said timer device, and rotation of said operating means in the opposite direction acting to first restore said follower means to cam engaging position and to thereafter effect movement of said follower means on said actuating lever so as to pivot said lever to an operative position and thereby move said element to said first position, said actuating lever then being retained in said operative position through the engagement of said follower means with said cam means, said timer device being operative to rotate said cam means to a release position so as to release said follower means to permit pivotal movement of said actuating lever to inoperative position so as to effect movement of said element to the second of said positions; and a spring for pivoting said lever to inoperative position.

2,586,550

HALOGEN-SUBSTITUTED ACETYL PEROXIDE CATALYST FOR HALO-OLEFIN POLYMERIZATION

William T. Miller, Ithaca, and Albert L. Dittman, Schenectady, N. Y., and Sherman K. Reed, Lewisburg, Pa., assignors to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application September 10, 1947, Serial No. 773,292
15 Claims. (Cl. 260—92.1)

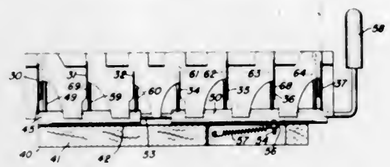
1. A method for preparing a solid high molecular weight polymer which comprises polymerizing a halogen-substituted olefin having 2 carbon atoms in the presence of a completely halogen-substituted acetyl peroxide at a sufficiently low temperature to regulate the decomposition of said peroxide and continuing the polymerization until a solid high molecular weight polymer is produced.

2,586,551

DEVICE FOR SETTING UP COLLAPSIBLE CELLULAR CARTONS

Edwin H. Mobley, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York

Application August 30, 1949, Serial No. 113,079
10 Claims. (Cl. 93—37)



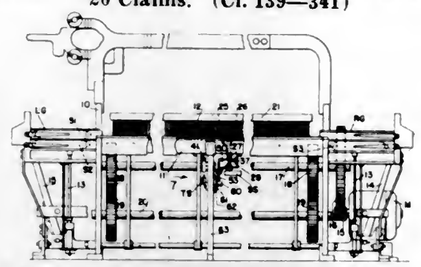
3. A device for setting up collapsible cellular cartons of the type having front and rear walls, a central longitudinal partition and two groups of transverse partitions hingedly connected to the tops of said front and rear walls and adapted to be swung in opposite directions, respectively, from horizontal to erected vertical position, said device comprising an elongated base having thereon a group of two or more consecutive, upwardly projecting, wire loops spaced longitudinally thereon and adapted to engage the partitions of one of said groups, longitudinal slideways on said base, a part having means engaged in said slideways and slidable longitudinally on said base, a group of two or more consecutive, upwardly projecting, wire loops spaced longitudinally on said part and adapted to engage the partitions of the other of said groups, said loops having their tops recessed for said longitudinal partition and being adapted to have an inverted, partially erected carton pressed downwardly and to engage and partially erect said transverse partitions, and means for sliding said part on said base to effect relative movement of said groups of partitions in opposite directions and complete the erection of said partitions.

2,586,552

ELECTRIC PROTECTION FOR LOOMS

Charles W. Moss, Canton, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application March 10, 1950, Serial No. 148,911
20 Claims. (Cl. 139—341)



1. In protection means for a loom having a shuttle which when running properly passes a given point along the lay at a given time in the loom cycle, a movable electric switch operator located at said given point normally extending into the path of the shuttle and moved by the latter when the shuttle passes said given point, an electric switch capable of being in either open or closed condition thereof and normally in one of said conditions and moved to the other condition when the operator is moved by the shuttle, lock means effective to hold the switch in said other condition, means releasing the lock means to enable the switch to return to said one condition thereof prior to the next arrival of the shuttle at said given point along the lay, electric circuit means including an electromagnetic device and said switch, and loom stopping means controlled by said electromagnetic device effective to stop the loom upon failure of the shuttle to move said operator and cause said switch to be in said other condition thereof at said given time in the cycle of the loom.

2,586,553

SPRAYING DEVICE WITH DILATOR

Salvatore A. Moscarello, Brooklyn, N. Y.

Application September 6, 1947, Serial No. 772,516
4 Claims. (Cl. 128—243)



1. A spraying device with a dilator comprising a cylindrical tube, a tip member at one end of said tube and a central holding member slideably carried by said tube and adapted to move toward said tip member, a number of corrugated wires connected to said tip member and to said holding member and positioned about the surface of said tube at spaced intervals so that when said holding member is moved towards said tip member said corrugated wires expand outward to form an oval shape.

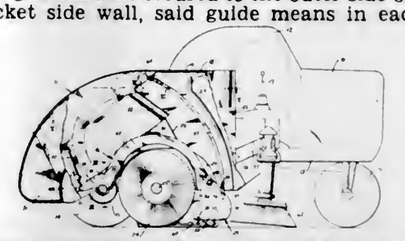
2,586,554

STREET-SWEEPING MACHINE

Carl W. Mott, La Grange Park, Ill., assignor to Elgin Sweeper Company, Elgin, Ill., a corporation of Illinois

Application June 28, 1946, Serial No. 680,041
3 Claims. (Cl. 15—85)

1. In a street sweeping machine having a rotary type main sweeping broom and a housing including side plates defining a passageway for a swingable dirt bucket, an elongated bucket structure having an open mouth facing the discharge side of said broom, said bucket structure having side walls substantially parallel to said side plates, and guide means secured to the outer side of each bucket side wall, said guide means in each instance comprising a flange secured to the respective bucket side wall and extending outwardly and upwardly from such wall and a roller secured on said flange for rotatable contact with the adjacent side plate of said housing for maintaining said bucket in spaced relation to said side plates as the bucket moves between a dirt receiving and a dirt discharge position.



2,586,555

PROCESS FOR PREPARING PYRIDINE CARBOXYLIC ACIDS

Max B. Mueller, Dumont, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application May 18, 1950, Serial No. 162,813
14 Claims. (Cl. 260—295.5)

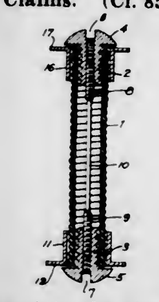
1. A process for preparing pyridine carboxylic acids which comprises subjecting a heterocyclic nitrogen compound containing a single pyridine nucleus and having at least one oxidizable hydrocarbon group attached to the pyridine nucleus by at least one carbon-to-carbon linkage, and sulfuric acid to the action of perchloric acid at a temperature between about 150° C. and about 350° C. for a sufficient length of time to convert the heterocyclic nitrogen compound to a pyridine carboxylic acid.

2,586,556

FLEXIBLE BINDER POST

Alfred Mullikin, San Francisco, Calif.

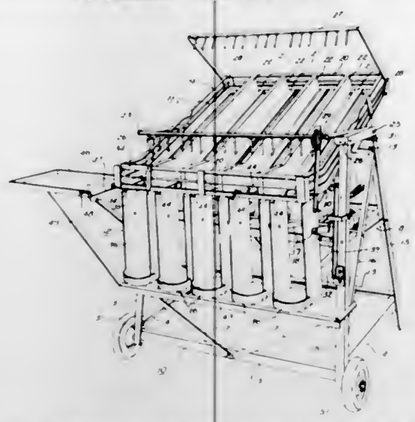
Application November 23, 1946, Serial No. 711,963
2 Claims. (Cl. 85—1)



1. A flexible post in the class described, comprising a close wound helical spring; binding screws in the opposite ends of said spring and having external threads engaging the helix pitch of said spring and having internal threads of substantially the same pitch; and a single relatively stiff but laterally flexible tie wire coaxial

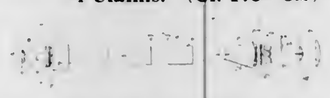
with said spring and having externally threaded ends engaging said internal threads in said binding screws respectively.

2,586,557
SACKING AND WEIGHING MACHINE
Park L. Newbold, Cedar Rapids, Iowa
Application December 6, 1948, Serial No. 63,779
2 Claims. (Cl. 226—59)



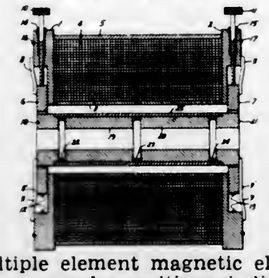
2. In a sacking and weighing machine the combination of a frame, a hopper pivotally connected to the frame, said hopper being constructed in a manner so chutes with openings at their forward extremities are formed, a tined forward cross member pivotally attached to the hopper and actuated by same, a tined rear cross member pivotally attached to the hopper and actuated by a lever, a pair of hopper positioning control members and a release handle for operating the control members, a series of sack holding members pivotally connected to forked members, said forked members being provided with adjusting weights and pivotally connected to a frame cross member and the holding members, said holding members being provided with suitable sack holding means at their upper extremities.

2,586,558
THREE COLOR TELEVISION SYSTEM
Frederic E. Oakhill, Wilmette, Ill., assignor to Prismacolor Pictures, Inc., Chicago, Ill., a corporation of Illinois
Application September 29, 1949, Serial No. 118,482
4 Claims. (Cl. 178—5.2)



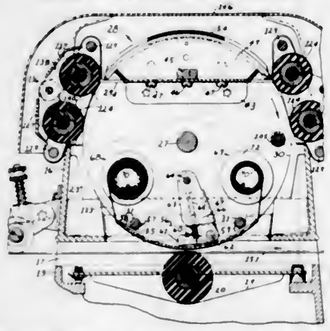
1. In a television transmitting and reproduction system, the combination of a transmitter including an orithicon or iconoscope transmitting or scanning tube, means for projecting a plurality of images, each representing a respective color value of a single colored image which is to be transmitted on the scanning tube of said transmitter, whereby separate images in the gray scale are simultaneously transmitted from said transmitter, a television receiver including means having a convex viewing surface for reproducing the televised images, concave lens means associated with the convex viewing surface of said last mentioned reproducing means for rendering each of said images planar, a filter for each of said images corresponding in color to the color value of the respective images transmitted, a viewing screen, and lens means for each reproduced image, said last mentioned lens means being operative to focus the respective images in super-position upon said screen, forming a single composite image in color.

2,586,559
MULTIPLE ELEMENT ELECTRON LENS ARRANGEMENT
Richard S. Page, Stretford, Manchester, England, assignor to General Electric Company, a corporation of New York
Application December 18, 1950, Serial No. 201,270
In Great Britain February 23, 1950
4 Claims. (Cl. 313—84)



1. A multiple element magnetic electron lens comprising an annular exciting winding having a central bore defined by a tubular member of non-magnetic material, a plurality of magnetic pole pieces positioned in spaced apart and end to end relationship in said bore, said pole pieces having coaxially aligned central bores, a plurality of non-magnetic spacer rings each of which is positioned between the two adjacent ends of each pair of said pole pieces to form a series of non-magnetic gaps across which magnetic flux will fringe and produce a multiple element magnetic electron lens when said exciting winding is energized, said pole pieces and said rings being enclosed by a non-magnetic tubular section having an outside diameter less than the diameter of the central bore of said exciting winding to form a pole piece assembly capable of being adjusted as a unit within the central bore of said exciting winding.

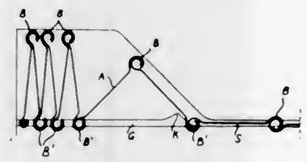
2,586,560
RIBBON INKER PRINTING METHOD AND APPARATUS THEREFOR
Walter B. Payne, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York
Application December 11, 1948, Serial No. 64,741
24 Claims. (Cl. 101—216)



1. In the art of printing with an inked printing member, the method comprising the steps of employing a windable inking ribbon to provide a thinly distributed and uniform supply of ink, subjecting said ribbon to pressure at the line of contact between opposing surfaces having a relative rolling engagement with one another for inking one of said opposing surfaces, bringing said inked surface and member into rolling contact with each other to spread and transfer a uniform film of ink to said member and impressing and feeding the material to be printed by rolling impression thereof between said member and a rotary platen.

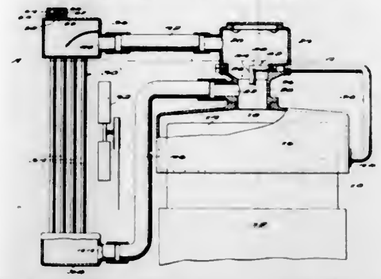
12. In a printing apparatus, a printing member, a windable inking ribbon for providing a thinly distributed and uniform supply of ink, means comprising non-absorbent opposing surfaces having a relative rolling movement therebetween in contact with opposite sides of said ribbon to subject said ribbon to pressure at the lines of contact thereof with said surfaces for inking one of said surfaces, means for moving said inked surface and member in rolling contact with each other to transfer a uniform film of ink to said member, a freely rotatable platen and means for effecting a rolling impression of the material to be printed between said member and platen to print and feed the same.

2,586,561
FOLDER SHUTTER SLAT AND FOLDER SHUTTER MADE THEREBY
Giovanni Poggi, Bologna, Italy
Application October 27, 1948, Serial No. 56,823
In Italy April 23, 1948
2 Claims. (Cl. 160—33)



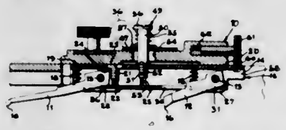
1. A folding shutter made up of a number of metallic slats provided with spiral curls at both edges and hinged together by interengagement of said spiral curls, a number of rolling suspension means corresponding with alternate hinge points, horizontal guide means for said suspension extending beyond the aperture to be closed by the shutter, on one side thereof, cams attached to the upper end of each slat, above the hinges that are not provided with suspension means, an abutment under said roller guides, fitted in a position by one side of the aperture to be shut, and abutting against said cams to turn same and deflect the attached slat, a deep guide channel on the floor of the aperture to be shut, an inclined surface at the end of said deep guide channel and a shallow channel as an extension of said deep channel, behind one of the side walls of said aperture, long bolts attached to the slats and projecting into the deep channel corresponding with the hinges provided with cams and short bolts attached to the hinges suspended to said rollers, the long bolts being of such a length as not to penetrate into the shallow channel, but to slide upon the inclined surface at the end of the deep channel, while the short bolts can slide also within said shallow channel.

2,586,562
EVAPORATIVE COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Arthur W. Pope, Jr., Waukesha, Wis., assignor to Waukesha Motor Company, Waukesha, Wis.
Application June 8, 1950, Serial No. 166,893
12 Claims. (Cl. 123—41.23)



3. In a coolant circulatory system for an internal combustion engine provided with a water jacket within which steam is generated during operation of said engine, the combination comprising a condenser tank provided with an inlet and outlet, a duct positioned between said inlet and said water jacket through which steam generated in said jacket flows at a high velocity and at a pressure below the average pressure of the system, an orifice positioned in said duct, a radiator having the upper portion thereof in communication with the outlet of said condenser tank and the lower portion thereof connected to said orifice whereby the coolant flowing through said radiator is introduced into said duct to intermix with the steam issuing from said water jacket, and means to convey coolant to said water jacket comprising a feed line having the intake thereof positioned within said duct to receive the impact of the high velocity flow stream of said intermixed steam and liquid coolant and the outlet thereof connected to said water jacket.

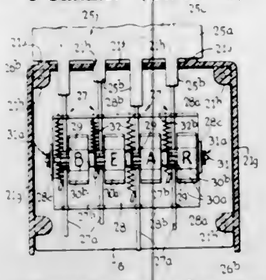
2,586,563
ADJUSTABLE AND SHIFTABLE FEED FINGER MECHANISM FOR TAG MARKING MACHINES
Frederic L. Rieger, Dayton, Ohio, assignor to The Monarch Marking System Company, Dayton, Ohio, a corporation of Ohio
Application July 30, 1949, Serial No. 107,738
6 Claims. (Cl. 271—2.5)



6. Shifting mechanism for selectively raising the feed fingers of a marking machine carriage in which a pair of fingers is pivotally journalled in a carrier in spaced relationship, with means for slidably mounting the carrier in the carriage, and with adjustment means being provided for positioning the carrier with respect to the carriage, and with the fingers being normally spring-urged into positions for engagement with a strip of tags disposed beneath the carriage comprising; cam means longitudinally slidably mounted in the carrier, said cam means including finger engaging edges spaced apart so as to engage and lift the feed fingers one after the other upon longitudinal movement of the cam means relative to the carrier, and shifting means for moving said

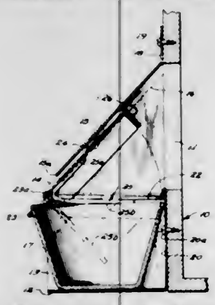
cam means, the latter means being associated with said carrier mounting means and adapted to move therewith during adjustment of the carrier.

2,586,564
EDUCATIONAL TOY
Oscar Rinde, New York, N. Y.
Application July 30, 1949, Serial No. 107,744
3 Claims. (Cl. 35—9)



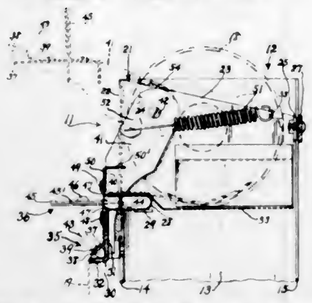
1. In an automatic toy, a key operated means for visually indicating various predetermined intelligible results, demountably interchangeable flat key members each carrying an intelligible symbol referring to one of said predetermined result, said key members each having actuating means coordinated into a pattern corresponding to each of said symbols with respect to said result for inserting into said indicating means to selectively render said result intelligibly visible, a casing for said key operated means, said casing having passageways for receiving said actuating means, spaced apart ramps for guiding said actuating means to align with the passageways, projecting stop means extending adjacent said ramps for retaining the key members in operating effective position, and a finger well provided in the casing structure between said ramps to facilitate removal and insertion of said key members from said effective positions.

2,586,565
HOLDER FOR FEEDING AND WATERING CONTAINERS
Louis A. H. Ruch, Paterson, N. J.
Application October 31, 1949, Serial No. 124,548
6 Claims. (Cl. 119—63)



1. A holder for animal feeding and watering containers, comprising a housing having a first vertical wall with an opening in its upper portion to admit the head of and animal and a second wall, opposite said first wall, with an opening therein, positioned below the level of the opening in said first wall, for the insertion and removal of the feeding and watering container, a substantially flat flap positioned in the housing for preventing the escape of an animal through the housing when the container is removed, means pivotally connecting one edge portion of said flap to the housing for movement between a lowered position with the flap bridging the interior of the housing between the openings in said first and second walls and a raised position substantially out of alinement with said openings, and actuating means rigidly connected to the pivoted edge portion of, and extending across the housing at an acute angle to, said flap and engaging the container, when inserted, to move the flap to and hold it in its raised position.

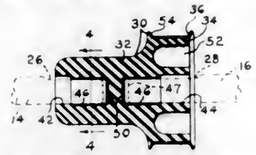
2,586,566
SHEET MATERIAL CUTTING DEVICE
Alfred W. Schaldach, Chaseburg, Wis.
Application December 5, 1949, Serial No. 131,136
2 Claims. (Cl. 242—55.4)



2. A device for use on a rack containing a pair of side frames including laterally extending flanges and having a shelf between the upper part thereof for supporting a pack of sheet material, said device consisting of a pair of rearwardly extending plates to be placed alongside said frames and being equipped with slightly spaced means for clasping some of said flanges therebetween and also other means for fastening the plates to the other flanges, whereby to readily and detachably mount this device by pressing it down onto the upper part of said rack, a channel member at the lower front of said plates, being of curved over sheet material providing a narrow channel and having a trough depending from its lower front edge and integral therewith, said channel member being positioned partly upon the front part of said shelf, to aid in retaining the pack on the shelf while the material is drawn across said member, swingable means including side arms having holding means between their front ends to fit closely against said trough and clasp the extended material therebetween, pivot means at the rear ends of said arms mounting them swingably onto said plates, means including a knife to travel in said channel for cutting the material, and coil springs having their ends connected to said arms and to said plates, positioned to place the arms well above said pivot means while in the open position and also well below said pivot means while in the closed position and produce a strong snap-action for holding the swingable means securely and clasp the material firmly to provide a smooth cut.

2,586,567
FLEXIBLE COUPLING
Charles C. Scheele, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application September 16, 1947, Serial No. 774,245
7 Claims. (Cl. 64—11)

1. A power transmitting coupling element comprising a body portion of resilient yielding vulcanized rubber-like material, having aligned spaced shaft-receiving recesses in its opposite ends, shaft-receiving sleeves in said apertures normally aligned on a common axis, and an annular channel member coaxial with said sleeve

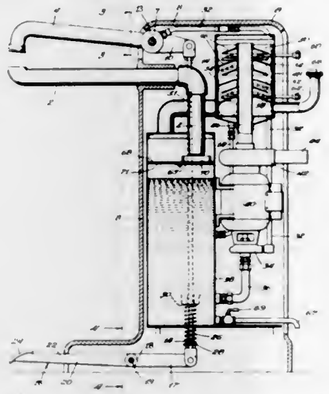


axes, and arranged about an enlarged diameter portion of said body portion, said sleeves having their outer walls, and said channel member having its inner wall bonded to said rubber-like material over substantially their entire contact areas.

2,586,568

WITHDRAWN

2,586,569
APPARATUS FOR PASSING CLEANER FLUID THROUGH FABRICS
Robert K. Sedgwick, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 21, 1947, Serial No. 756,239
16 Claims. (Cl. 68—18)



13. Cleaner apparatus comprising a pair of conduits adapted to receive therebetween fluid permeable material to be cleaned, a source of cleaner fluid connected to one of the conduits, said one conduit comprising valve means for cutting off flow of fluid therethrough, valve actuating means carried by said one conduit, and an abutment carried by the other conduit and engageable with said actuating means to operate the latter for opening said valve means when said conduits are moved into communication with each other.

2,586,570
SPIRIT-SOLUBLE COLOR FOR DUPLICATING INK
Benjamin F. Skiles, New Castle County, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 12, 1950, Serial No. 189,883
1 Claim. (Cl. 106—22)

A spirit-soluble, black color for duplicating inks consisting essentially of an intimate fusion-mixture of the following colors:

	Parts by weight
Chrysoidine	100
Crystal violet	66 to 89
Victoria blue	39 to 53

2,586,571
STYRENE COPOLYMERS
John Joseph Sleightholme, Carlisle, England, assignor, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 16, 1949, Serial No. 76,857. In Great Britain February 17, 1948
15 Claims. (Cl. 260—23)

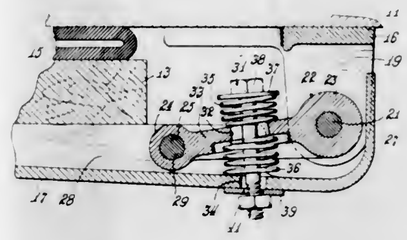
1. A process for the production of a copolymer which comprises heating styrene with the unsaturated aromatic extract obtained from lubricating oils treated by the Edeleanu process, the ratio by weight of styrene to extract being from about 2:1 to 1:5.

12. A process according to claim 1 wherein a higher fatty soap-forming acid is incorporated in the reaction mixture.

2,586,572
STYRENE DRYING-OIL COPOLYMERS
John Joseph Sleightholme, Carlisle, and Wallace Thomas Craven Hammond, London, England, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 16, 1949, Serial No. 76,858. In Great Britain February 17, 1948
13 Claims. (Cl. 260—23)

1. A process for the production of a copolymer which comprises heating a mixture of styrene with the unsaturated aromatic extract obtained from lubricating oils treated by the Edeleanu process and with a polyhydric alcoholic mixed ester containing unsaturated drying oil fatty acid radicles, the ratio by weight of styrene to extract being from about 4:1 to about 1.2:1, and the mixed ester comprising from 10% to 44% by weight of the mixture.

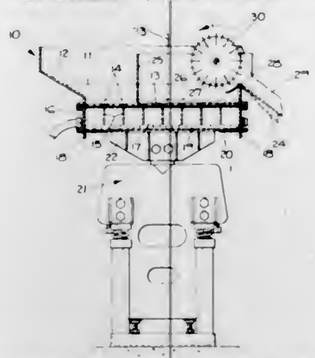
2,586,573
DOOR HINGE
Robert E. Slopa, Chicago, Ill., assignor of one-half to George W. Slopa, Chicago, Ill.
Application March 26, 1948, Serial No. 17,199
4 Claims. (Cl. 16—131)



2. In a hinge including a mounting bracket and a member, a link hingedly connected at one end to said bracket and at its other end to said member, and yieldable means disposed on opposite sides of the link midway between its ends con-

necting the member and said link whereby said member and link move in substantial unison about the hinge mounting bracket.

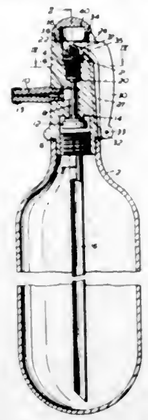
2,586,574
HIGH-FREQUENCY JIG
Frank P. Smith, Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application May 10, 1946, Serial No. 668,845
10 Claims. (Cl. 209—496)



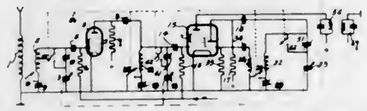
1. A vibratory classifier including a container adapted to receive fine mixed mineral materials and to separate the materials of different specific gravity, said container having a perforate false bottom constructed to support a bed of material undergoing separation and to support the concentrates developed, means for producing a flow of liquid upwardly through said false bottom, means applying high frequency rectilinear and vertically upward vibration to the liquid, said vibration having a frequency of at least 1000 vibrations per minute, all whereby a stratum of high gravity concentrates is formed on said false bottom, means providing a concentrates cell having a wall a lower edge of which is spaced above and near said false bottom whereby said edge is in the lower part of said bed of material and extends below the normal top of said stratum of concentrates and the high gravity material in said container is forced to flow under said wall by hydraulic pressure of material in said container, and skimming means for skimming the top off the concentrates in said concentrates cell, said skimming means being positioned entirely above said false bottom and operating to skim the top only of said concentrates in said concentrates cell.

2,586,575
FIRE-EXTINGUISHING APPARATUS
Arthur Smye, London, England, assignor to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware
Application May 31, 1950, Serial No. 165,227
In Great Britain May 31, 1949
6 Claims. (Cl. 169—31)

4. In a portable fire extinguisher, in combination, a container for fluid under pressure, a discharge head on the top of said container, said head having a vertical slot in its outer surface, a valve member movable vertically in said head to control a discharge passage, and a lever lying along said slot and adapted to be depressed therein, said lever being pivoted at its lower end to said head and carrying at its upper end an inwardly projecting cam member extending through the base of said slot into engagement with said valve member and adapted upon depression of said lever to cause said cam member to move said valve member to open said passage.



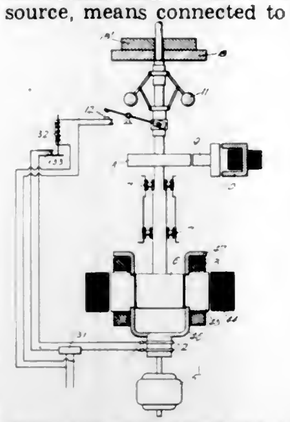
2,586,576
WIRELESS RECEIVER TUNABLE TO A NUMBER OF WAVE LENGTH RANGES
Albert Stigter, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 7, 1948, Serial No. 25,698
In the Netherlands June 14, 1947
5 Claims. (Cl. 250—20)



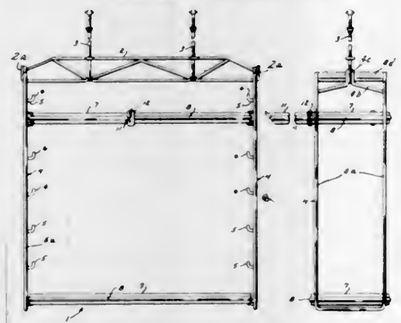
1. A radio-receiver tunable to a plurality of bands of tuning frequencies, comprising an electron discharge tube having cathode, control and output electrodes, one of said electrodes being connected to ground potential at said tuning frequencies and another of said electrodes having a given fixed capacity relative to ground potential, tuning means comprising an inductive branch and a capacitative branch connected in parallel with each other and having one juncture thereof connected to ground potential at said tuning frequencies and the other juncture thereof coupled to said other electrode, said capacitive branch comprising a variable condenser and a first condenser connected in series with said variable condenser and said inductive branch comprising an inductive element and a second condenser connected in series with said inductive element, said first and second condensers having capacity values substantially smaller than the maximum capacity value of said variable condenser, and means to selectively short circuit said first and second condensers.

2,586,577
DYNAMOELECTRIC POWER MEASURING CUTOFF
Jiří Stivín, Rychnov, near Jablonec n. N., Czechoslovakia
Application September 2, 1948, Serial No. 47,504
In Czechoslovakia September 5, 1947
13 Claims. (Cl. 171—252)

1. In a device for measuring a selectively predetermined amount of electric energy, in combination a rotatable armature, a stationary ring of dynamo steel surrounding a portion of said armature but spaced therefrom, a carrier carrying in the space between the rotatable armature and the stationary ring an even number of pole pieces, provided with magnetizing windings, terminals for interconnection of these windings to an electric source, means connected to said carrier for revolving the same about the axis of the armature, whereby said armature may be rotated about its axis while current passes through said windings, means, connected with said armature for selectively adjusting the angular acceleration thereof, and means actuable by said armature for interrupting the supply of energy to the device.



2,586,578
HEAT-TREATING RACK
Henry Ross Strohecker, Youngstown, Ohio
Application June 25, 1949, Serial No. 101,287
2 Claims. (Cl. 211—114)

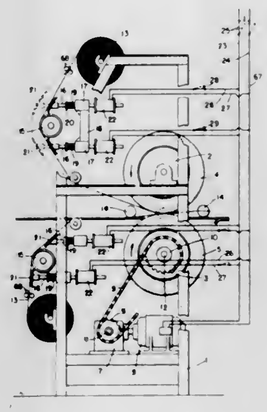


1. A lightweight sturdy rack for use in high temperature operation which rack comprises an elongate top frame, means secured to said top frame for supporting same, a pair of end frames secured one at each end of the top frame and normally being in spaced parallel relation, said end frames being substantially rectangular, a plurality of support fingers secured to each of said end frames at transversely and longitudinally spaced portions thereof and at corresponding portions of said end frames, and a substantially rectangular open centered support shelf supported on said support fingers but being free for movement with relation thereto, said support shelf having rounded corners and being made of a relatively thin rolled continuous metal strip having a longitudinally extending reinforcing corrugation formed therein and with such strip being vertically positioned in said shelf.

2,586,579
METHOD OF PRODUCTION OF CUPROUS OXIDE AND COPPER CHLORIDES
Lester D. Supiro, Asbury Park, N. J., assignor to Sty-Jar Products, Inc., Newark, N. J.
No Drawing. Application January 30, 1948, Serial No. 5,495
3 Claims. (Cl. 23—97)

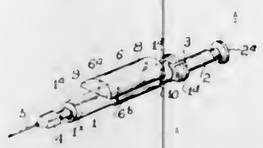
1. The method of producing cuprous oxide and cupric chloride from mixtures of cuprous and cupric oxides comprising reacting a mixture of cuprous and cupric oxides with hydrochloric acid of a concentration less than approximately 18% in the amount up to 2 moles of hydrogen chloride to each mole of each oxide, cooling the mixture to 20° C., removing the insoluble cuprous residue from the cupric chloride solution, washing cupric chloride from the residue with water cooler than 20° C., further washing the residue with water cooler than 20° C. until cuprous chloride is converted to other insoluble cuprous compounds, hydrolyzing the residue with water hotter than 20° C. until all of the insoluble cuprous residue is converted into cuprous oxide, drying the residue.

2,586,580
HEAT SEALED WRAPPING MACHINE AND METHOD OF WRAPPING
John P. Truscott, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application April 6, 1948, Serial No. 19,385
12 Claims. (Cl. 53—14)



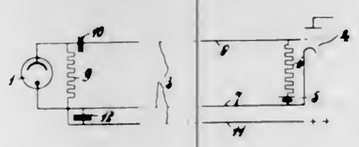
1. In a wrapping machine the combination with means for feeding wrapping material to a wrapping position, of means at said wrapping position for wrapping the material about an object, power means for operating said means, an element arranged to have contact with the wrapping material as it moves to said wrapping position, means for heating said element, a shield movable into engagement with the wrapping material to move the material out of contact with said element and to a position such that the material at the heating position is protected from the direct heat waves of the heating element, a solenoid for normally holding said shoe retracted when said power means is operative, and means operative to move said shield in to operative position upon rendering said solenoid inoperative.

2,586,581
MAGNIFYING ATTACHMENT FOR SYRINGES
Marion E. Tschischeck, Mayfield Heights, Ohio
Application March 7, 1950, Serial No. 148,152
1 Claim. (Cl. 88—39)



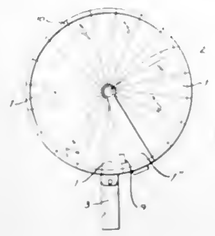
An attachment for a syringe or other medical instrument having on its surface graduations and consisting of an elongated section of synthetic resin material adapted to be removably positioned over the graduations, uniformly transparent from end to end and having a top wall shaped transversely curved throughout its length to effect magnification of the graduations and a pair of parallelly spaced elongated loops the legs of which are spacedly embedded in the bottom wall of said section, said loops being of less length than said section and formed of resilient wire, the outer ends of the legs being inturned and those portions of the loops between their respective legs extending rectilineally and parallel to and spaced from the bottom of said section and adapted to removably and frictionally engage the sides of the instrument by a snap-on movement, said section of material being of less length than the instrument and adapted to be adjusted endwise thereof relative to the graduations on the instrument.

2,586,582
DEVICE COMPRISING AN AMPLIFIER, A PHOTOELECTRIC CELL, AND A LEAD CONNECTING THEM
Pieter Frederik van Eldik and Hendrik Nicolaas Hansen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 8, 1947, Serial No. 727,420
In the Netherlands June 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 14, 1964
2 Claims. (Cl. 250—214)



1. A photoelectric circuit arrangement, comprising an amplifier having a first pair of input terminals, a light sensitive cell having a second pair of terminals remotely located from said first pair of terminals, a source of direct current potential, a lead system comprising three conductors, a pair of said conductors of said lead system intercoupling said first pair of terminals and said second pair of terminals, and the third of said conductors and one of the conductors of said pair intercoupling said second pair of terminals and said source of direct current potential, and a capacitive element being positioned in the other of the conductors of said pair adjacent to said cell.

2,586,583
FOLDABLE REFLECTOR
Adam Wagner, Wetzlar, Germany, assignor to Ernst Leitz G. m. b. H., Wetzlar, Germany, a German corporation
Application April 5, 1950, Serial No. 154,018
In Germany September 16, 1949
3 Claims. (Cl. 240—103)



1. In a foldable reflector comprising a plurality of sectoral blades rotatably mounted on a common pivot and substantially radial loops arranged near the circumference of each blade: a circumferentially arranged coupling member longitudinally movably mounted on each of said loops, stop means arranged on each coupling member and engageable by the loop on which the coupling member is mounted to limit the longitudinal motion in both directions between the loop and the coupling member, and a hook-shaped extension on each coupling member, said hook-shaped extension extending through the loop of the blade adjacent to the one on which it is mounted and engageable by said loop of the adjacent blade to limit the angular relative movement of the blades about the common pivot, said hook-shaped extensions extending through each loop immediately adjacent to the blades, and said coupling members being mounted on said loops in superposed relation to the hook-shaped extensions.

2,586,584
BILLFOLD PROTECTOR
Paul R. Wagner, Banning, Calif.
Application January 6, 1949, Serial No. 69,540
3 Claims. (Cl. 150—28.1)



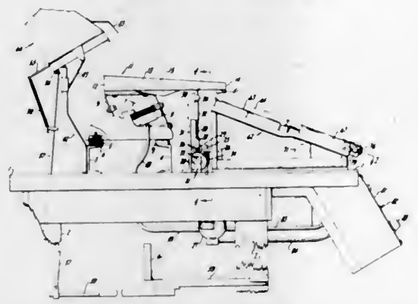
3. In a pocket billfold protecting cover, the combination of a single piece of cardboard material that is double scored in the middle to provide two equal sides and a crease sufficiently wide to accommodate the conventional billfold in said crease, a plurality of spring metal clips across said scoring and stapled to the outside of said sides and having sufficient resiliency to cause said sides to spread in an angulate position when said cover is released from being pressed together by hand and to cause said sides to slidably engage the cloth of a pocket when the cover is over a billfold and is released in an operative position in a pocket, all substantially as described.

2,586,585
SYNTHETIC MOLD COMPOSITION
Burgess P. Wallace, Brooklyn, N. Y., assignor to Whitehead Brothers Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 14, 1949, Serial No. 115,763
9 Claims. (Cl. 22—188)

3. A molding composition for making metal-casting "green sand" molds, consisting essentially of molding sand grains individually coated with a film composed principally of a resinous heavy hydrocarbon belonging to the group consisting of a petroleum still-bottom residuum and asphalt, sufficient bentonite to impart desirable molding qualities to the composition and containing a sufficient amount, but not exceeding about 10% by weight of the film, of an air-drying polymer derived from petroleum distillates, by contacting them with an adsorbent, to overcome excessive tackiness of the heavy hydrocarbon employed.

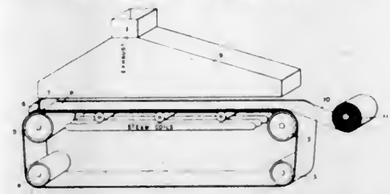
4. A molding composition, as claimed in claim 3, wherein the film contains colloidal graphite in an amount sufficient to materially augment the heat-refractory qualities of such composition and of a particle size of not more than about 1 micron in average diameter.

2,586,586
VIAL FILLER
Dan D. Washburn, El Cerrito, and Wayne L. Elder, Richmond, Calif., assignors to Cutter Laboratories, Berkeley, Calif., a corporation of California
Application January 22, 1948, Serial No. 3,766
3 Claims. (Cl. 198—30)



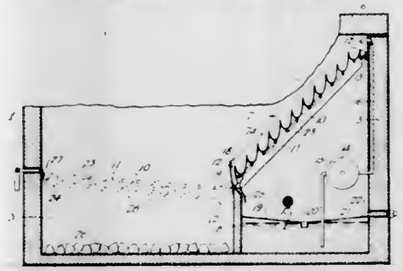
1. A tablet aligning machine comprising: a tray provided on its upper face with fore and aft extending runways of a width slightly greater than the diameter of the tablets on which said machine is designed to operate, said runways terminating at their forward ends in downwardly and laterally extending deflector plates; a forwardly declining plate extending forwardly from said tray, said plate being provided with channels forming a continuation of said runways, but of a width slightly larger than the depth of one of said tablets and with a transverse tablet receiving trough at its lower end; means for vibrating said tray in the direction of its runways so as to cause tablets deposited thereon to walk forwardly through said runways; a barrier extending across said runways for arresting the forward movement of said tablet; plungers arranged to reciprocate up and down through said tray within its runways and immediately behind said barrier for turning said tablets over said barrier; and a push rod mounted in said trough and arranged to discharge a row of tablets therefrom.

2,586,587
POLYETHYLENE FILM AS AN ADHESIVE CASTING SURFACE
Merle E. Wendt, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application October 8, 1946, Serial No. 701,897
10 Claims. (Cl. 18—57)



1. The method of producing a film of heat-activated adhesive which comprises casting the heat-activated adhesive on a surface of polyethylene, setting the cast adhesive to a self-supporting film and removing the film from the casting surface.

2,586,588
MECHANISM FOR PRODUCING CLEAR ICE BODIES
Chester A. Weseman, Austin, Minn., and Clifford E. Enger, Los Angeles, Calif., assignors to Roberts Products, Incorporated, Austin, Minn., a corporation of Minnesota
Application March 26, 1949, Serial No. 83,556
4 Claims. (Cl. 62—106)

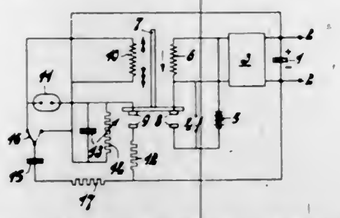


1. A clear ice cube producer comprising a hinged inclined tray provided with a plurality of open-topped molds and hingedly mounted along one edge thereof, means for continuously discharging liquid onto the upper portion of said tray during the freezing of liquid therein to cascade the liquid successively over said molds to carry the air from the liquid being frozen therein and produce substantially clear ice cubes, defrosting means for releasing said frozen cubes when said tray has been swung on its hinged edge to invert said molds, and means for collecting the cubes when released from said molds.

2,586,589
DEVICE FOR CHARGING A CAPACITY
Theo Willem Willemse, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 4, 1951, Serial No. 204,301
In the Netherlands January 19, 1950
4 Claims. (Cl. 320—1)

1. Apparatus for charging a capacity from which energy is withdrawn discontinuously comprising a source of direct voltage constituted by a low voltage supply and a converter whose input terminals are connected to said supply and whose

output terminals are connected to said capacity to produce a relatively high charging voltage therefor, a relay including first and second coils for actuating first and second normally open switches, said first coil when energized causing said switches to close and said second coil when simultaneously energized counteracting the effect of said first coil whereby said switches reopen, means interposing said first switch between said low voltage supply and the input terminals



of said converter, a spark-gap connected through second coil in series with said second switch across the output terminals of said converter, said gap being rendered conductive when said capacity attains a predetermined value, a reswitching-in coil for said relay, a condenser, and a circuit connecting said condenser in series with said reswitching-in coil across the output terminal of said converter, said reswitching-in coil being energized upon sudden discharge of said capacity thereby to close said relay.

2,586,590

MANUFACTURE OF LUBRICATING OILS FROM SHALE OIL

Paul Woog, Paris, France, assignor to Compagnie Francaise de Raffinage (Societe Anonyme), Paris, France

No Drawing. Application June 5, 1946, Serial No. 674,626. In France August 22, 1941 Section 1, Public Law 690, August 8, 1946 Patent expires August 22, 1961

3 Claims. (Cl. 260—671)

1. In a process of treating crude shale oil to produce a high grade lubricant therefrom, the steps of fractionating said crude shale oil to remove paraffin fractions therefrom, adding aromatic hydrocarbons to the residual portion of said oil, and then heating the oil in the presence of a Friedel and Crafts catalyst to simultaneously polymerize and arylate unsaturated constituents of said oil to convert them into compounds having improved lubricating properties.

2,586,591

WITHDRAWN

2,586,592

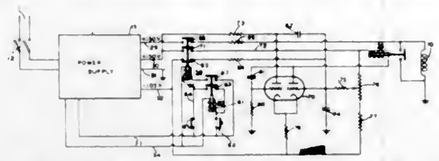
TIMING SYSTEM

Robert L. Alcorn, Jr., Chambersburg, Pa., assignor to Chambersburg Engineering Company, Chambersburg, Pa., a corporation of Pennsylvania

Application September 29, 1949, Serial No. 118,536

13 Claims. (Cl. 175—335)

1. In a system for effecting precisely timed energization of an inductive load from a source of voltage, a normally-open circuit extending between said source and said inductive load, a normally-open short-circuiting connection across said inductive load, a pair of triodes one of which is normally conductive and the other of which is normally non-conductive, a normally deenergized relay for controlling said short-circuiting connection, the winding of said relay being connected in the plate circuit of the normally non-conductive triode, a timing capacitor connected to the grid of the latter triode to control the same, means for closing the first-recited circuit and for simultaneously initiating the charging



of said capacitor, whereby the normally non-conductive triode starts to conduct when the voltage across said capacitor reaches a certain value, and connections between the elements of said triodes to effect rapid build up of current through said relay winding, whereby said relay is energized to close said short-circuiting connection at the end of a time interval determined by the charging of said capacitor.

2,586,593

MANUFACTURE OF INTERPOLYMERS OF STYRENE WITH UNSATURATED FATTY ACIDS AND POLYHYDRIC ALCOHOLIC ESTERS THEREOF

Frank Armitage, London, and John Joseph Sleightholme, Carlisle, Cumberland, England, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 27, 1949, Serial No. 123,972. In Great Britain October 28, 1948

15 Claims. (Cl. 260—23)

15. A process for the manufacture of interpolymers comprising heating a compound selected from the class consisting of styrene, nuclear alkyl substituted derivatives thereof and nuclear halogen susbtituted derivatives thereof and a compound selected from the class consisting of drying oil fatty acids and polyhydric alcoholic esters thereof, in the presence of an alpha terpene which has been activated by blowing with a gas comprising molecular oxygen.

2,586,594

PREPARATION OF DRYING OILS FROM DIOLEFINS

Erving Arundale, Anthony H. Gleason, and Fred W. Banes, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application October 29, 1947, Serial No. 782,850

9 Claims. (Cl. 260—680)

1. In a selective polymerization process for preparing drying oils the improvement which consists essentially of the steps of heating a conjugated diolefin of 4 to 6 carbon atoms at a temperature between 50 and 150° C., under a pressure ranging from 3 to 30 atmospheres and in the presence of 1 to 3 mol percent per mol of monomer of a hydrocarbon soluble catalyst having the formula

$$R-\overset{CH_3}{\underset{CH_3}{C}}-O-O-R'$$

wherein R is a member selected from the group consisting of methyl and phenyl and R′ is a member selected from the group consisting of hydrogen and benzoyl, for a period sufficient to convert a major proportion but not more than 80% of the diolefin into a linear oily polymer having a molecular weight between 1000 and 20,000.

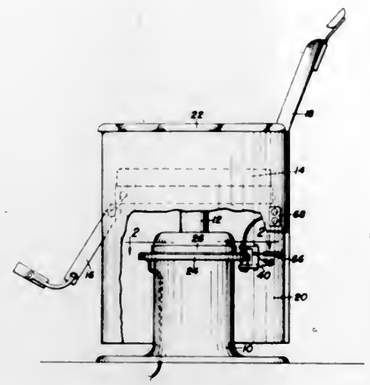
2,586,595

ELECTRIC OUTLET FOR BARBER'S CHAIR

Willie R. Ashby, Las Cruces, N. Mex., assignor of fifty per cent to Samuel Zuckerman, Las Cruces, N. Mex.

Application March 17, 1950, Serial No. 150,218

3 Claims. (Cl. 173—324)



1. An attachment for a revolving and tilting barber's chair having a base and a revolving shaft journaled in said base, said revolving shaft having seating means secured thereon and a skirt encompassing said seating means and said shaft, said attachment comprising an insulative ring adapted to be secured to said base, a pair of conductive rings secured to said insulative ring, one of said conductive rings having an upwardly opening groove therein, the other of said conductive rings having a downwardly opening groove therein, said conductive rings being insulated from each other and from said base by said insulative ring, a U-shaped insulative bracket overlying said insulative ring, contact fingers carried by each of the legs of said bracket and extending towards each other in said grooves, means attached to said bracket and to said skirt yieldingly urging said bracket radially outwardly of said conductive rings, and a plurality of conductors operatively connecting said conductive rings to a source of electrical power and said contact means to electric outlet means mounted on said skirt.

2,586,596

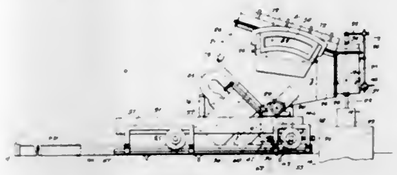
INDUCTION POURING FURNACE

Luther W. Bahney, Elizabeth, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application November 14, 1949, Serial No. 127,193

9 Claims. (Cl. 13—29)

4. A pouring furnace for metals and alloys, comprising, in combination, a hearth, means supporting said hearth for tilting movement about a transverse horizontal axis, a nose piece detachably secured to one end of the hearth and forming an extension thereof from which molten metal may be discharged when the hearth is tilted to pouring position, an induction heating unit depending from and detachably secured to the hearth toward its other end, means for tilting the hearth back from pouring position to holding position, and from holding position to pouring position, an arcuate-shaped opening in one side of the hearth through which molten metal may



be poured into the hearth, the center of curvature of the arcuate-shaped opening being located substantially on the aforesaid transverse axis so that molten metal may be poured into the hearth when the hearth is in pouring position, and also when the hearth is in holding position, and in any intermediate position.

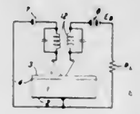
2,586,597

OSCILLATION GENERATOR

John Bardeen, Summit, and Walter H. Brattain, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application June 17, 1948, Serial No. 33,466. Divided and this application September 15, 1949, Serial No. 115,836

16 Claims. (Cl. 250—36)



1. An oscillation generator which comprises a block of semiconductive material of which the body is of one conductivity type and a thin surface layer, separated from the body by a high resistance barrier, is of the opposite conductivity type, two closely-spaced metal point electrodes in contact with said layer, biasing means for adjusting the resistance of one of said contacts to a low value and the resistance of the other of said contacts to a high value, a base electrode connected to the body, an input circuit including said base electrode, a work circuit connected to said point contacts, and means for feeding back energy from said work circuit to said input circuit to sustain self-oscillations.

2,586,598

PROCESS FOR CHLORINATING PHTHALOCYANINE COLORING MATTERS

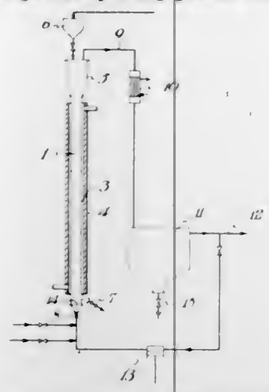
George Barnhart, Newark, Del., and Robert Warren Grimble, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application April 30, 1949, Serial No. 90,632

10 Claims. (Cl. 260—314.5)

1. The process of producing a highly chlorinated phthalocyanine compound, which comprises treating a phthalocyanine compound of lower chlorine content than the highly chlorinated state desired and while said compound is in powdered state and coated on the surface of

a granular solid, inert diluent, with a vertical stream of a gas comprising gaseous chlorine, said



stream having a velocity sufficient to fluidize the granular coated mass.

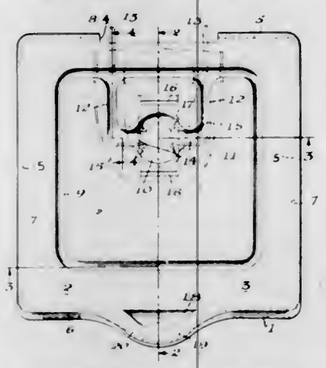
2,586,599

JOURNAL BOX LID

Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Depew, N. Y., a corporation of Maryland

Application January 14, 1948, Serial No. 2,240

4 Claims. (Cl. 308—47)



1. In a journal box lid, the combination of, a fabricated plate having a main body portion, angularly disposed flanges extending along sides and a bottom edge of said portion, a depressed outwardly facing spherically arranged socket adjacent a center of said portion, a continuous depressed groove inwardly of a periphery of said portion, spring seating angular depressions leading from said groove to said socket, and horizontally disposed slots spaced from said socket.

2,586,600

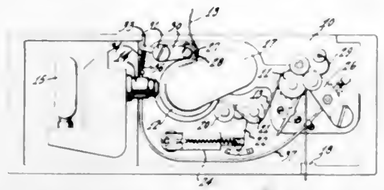
INTERLOCKED PRESSURE ROLLER AND PAD ROLLER

Sten E. Bartelson, Ashland, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 7, 1946, Serial No. 695,500

4 Claims. (Cl. 271—2.3)

1. A film drive mechanism comprising a sprocket adapted to advance a film thereover, a drum adapted to have film pulled thereover by said sprocket and positioned at a distance from said sprocket, a pad roller adapted to maintain said film on said sprocket, a support for said pad roller, a pressure roller adapted to press said film against said drum at a predetermined pressure, a support for said pressure roller, a mounting for said support, means interconnecting said pad roller support and a part of said pressure roller support to cause said pressure roller to ward and away from said drum when said pad



roller is moved toward and away from said sprocket, respectively, and tensioning means through which said interconnecting means passes, said tensioning means contacting a part of said mounting and said part of said pressure roller support to cause said pressure roller to exert said predetermined pressure on said film.

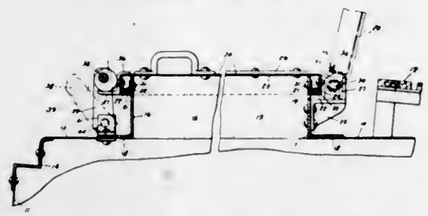
2,586,601

RAILWAY HATCH COVER AND LOCKING MEANS THEREFOR

Wilfred A. Beauchamp, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Original application May 11, 1944, Serial No. 535,176. Divided and this application September 20, 1946, Serial No. 698,311

2 Claims. (Cl. 20—16)



1. In a covered railway car having a roof, a hatch in said roof and a hatch frame member secured to said roof around said hatch, a cover member adapted to be supported by said frame member, said cover member having a body portion and a peripheral flange spaced outwardly of said frame member, said peripheral flange terminating below the top of said frame and above said roof, an angle member secured around the inner face of said peripheral flange, said angle member having an upstanding leg secured to the inner face of said peripheral flange and an inwardly extending leg, a flexible metallic sealing strip disposed between said upstanding leg and said peripheral flange, said sealing strip having a flange abutting the underside of said inwardly extending leg and a freely bendable outwardly directed flange.

2,586,602

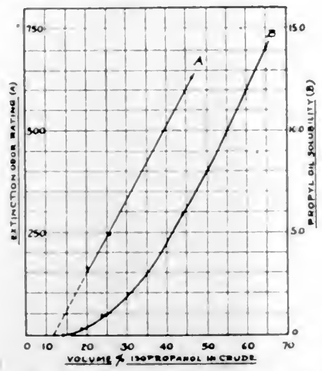
PURIFICATION OF ALCOHOLIC LIQUID

Sidney B. Beddow, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 7, 1947, Serial No. 767,187

2 Claims. (Cl. 260—639)

1. A process for producing isopropanol of improved odor characteristics which comprises absorbing propylene in sulfuric acid to form an isopropyl extract, hydrolyzing the extract with water, steam distilling the extract to produce a crude isopropanol distillate containing approximately 65 to 70% by volume of isopropyl alcohol, diluting the crude distillate with water until the



isopropanol is blended with more than 65 volume per cent water but not more than 85 volume per cent water based on total blend, whereby an oily liquid layer containing malodorous impurities and an aqueous layer containing the isopropanol are formed, removing the oily layer of impurities and stripping purified isopropanol of improved odor from the aqueous isopropanol layer.

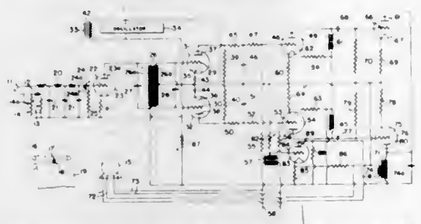
2,586,603

ELECTRONIC RECORDING AND CONTROLLING APPARATUS

George E. Beggs, Jr., Warrington, and Edward W. Yetter, Ardmore, Pa., assignors to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 8, 1949, Serial No. 109,218

6 Claims. (Cl. 318—28)



1. In recording and controlling apparatus for positioning an A.-C. servomotor in accordance with the magnitude of a varying D.-C. signal, the combination which comprises a high-frequency oscillator, a modulator driven by said oscillator for converting said D.-C. signal to an A.-C. signal at the frequency of said oscillator, the phase and amplitude of said high-frequency signal being dependent upon the direction and magnitude of said D.-C. signal, an amplifier of relatively narrow band width for amplifying said high-frequency signal with a minimum of relative noise, a discriminator for deriving from said high-frequency signal and a voltage from said oscillator a high-voltage D.-C. signal, the direction and magnitude of which is proportional to said high-frequency signal and said D.-C. signal, and a modulator for converting said high-voltage D.-C. signal to an A.-C. signal at the power supply frequency of said motor, said last-mentioned A.-C. signal being proportional in magnitude to and agreeing in directional sense with said first-mentioned D.-C. signal, said last-mentioned A.-C. signal being applied to said motor to control the operation thereof.

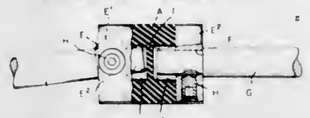
2,586,604

FLEXIBLE COUPLING

Wesley B. Bennett, Detroit, Mich., assignor to Westward Washing Machine Company, Detroit, Mich., a corporation of Michigan

Application December 19, 1949, Serial No. 133,893

6 Claims. (Cl. 64—11)



1. In a flexible torque transmitting coupling for rotary members, a body member formed of flexible resilient material having a cross channel in an end portion thereof opened through said end and also having centrally of said channel an undercut spherical recess, an insert of rigid material having oppositely extending end portions, and an integral central segmental spherical portion, the latter being restricted in width in one dimension thereof for insertion into said open channel being then turnable into engagement with said undercut spherical recess to be retained thereby from displacement, and a rotary member connected to said insert.

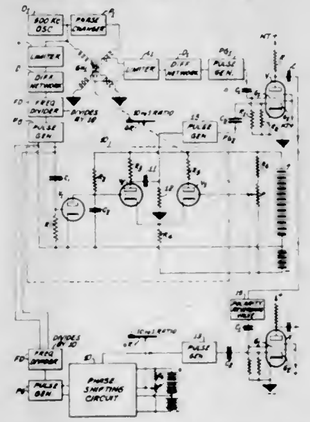
2,586,605

METHODS AND APPARATUS FOR THE CONTROL OF THE TIMING OF RECURRENT SIGNALS

Alan Dower Blumlein, deceased, late of London, England, by Doreen Walker, executrix, Paignton, England, and Eric Lawrence Casling White, Iver, England, assignors to Electric & Musical Industries Limited, a British company

Original application January 11, 1946, Serial No. 640,596. Divided and this application April 30, 1949, Serial No. 90,724. In Great Britain December 13, 1939

9 Claims. (Cl. 250—27)



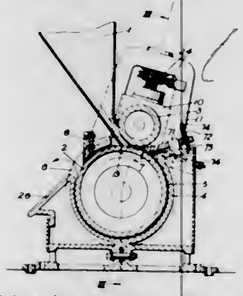
1. In combination, a sine wave oscillator, a chain of frequency divider units connected to divide the frequency of said oscillator output, said divider units being of the type that produces a pulse output, means for converting said pulse outputs to sawtooth wave outputs, a plurality of clipping tubes to which said sawtooth wave outputs, respectively, are supplied, variable bias

means for changing the clipping level of said clipping tubes, means for differentiating the output pulses of said clipping tubes whereby pulses are produced that are delayed with respect to the output pulses of said divider units as a function of said clipping levels, means for gearing said variable bias means together and for connecting them to a driving means whereby the clipping levels of said clipping tubes are changed simultaneously when said driving means is operated, the gear ratios between successive variable bias means being proportional to the frequency of the outputs of the divider units supplying signal to the clipping tubes controlled by said several variable bias means, respectively, and a pulse selector to which said delayed pulses are supplied.

2,586,606
PROCESS FOR THE CONVERSION OF METAL SULFIDES
Alexander Bonnington, Huntington, W. Va.
No Drawing. Application June 11, 1948, Serial No. 32,548
1 Claim. (Cl. 75—67)

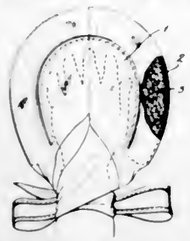
A process which comprises adding sulphur chloride to an aqueous solution of barium sulphide to produce barium chloride in solution and precipitated sulphur, removing the sulphur and adding magnesium sulphate solution to the barium chloride solution, thereby producing magnesium chloride in solution and precipitated barium sulphate, removing the barium sulphate and evaporating the magnesium chloride solution to dryness, then furnacing the magnesium chloride to produce the metal magnesium and free chlorine and reacting the free chlorine produced in the process with sulphur to produce sulphur chloride and utilising the sulphur chloride so produced to combine with the barium sulphide solution in the first step of the process.

2,586,607
MACHINE AND PROCESS FOR COMPOUNDING RUBBER OR LIKE MIXES
Frederick Edward Brown, Hyde, England
Application February 14, 1949, Serial No. 76,251
In Great Britain January 21, 1948
12 Claims. (Cl. 18—2)



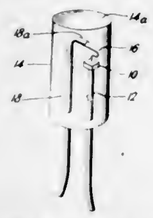
7. A machine for compounding material of the nature of rubber with powdered ingredients comprising a working roller with its axis horizontal, a casing surrounding said working roller from a point close to the top of said roller round the back and bottom to a point in front of said working roller, said casing and working roller bounding a working space, a feed roller cooperating with said working roller to form a feed nip adjacent the upper edge of said casing, mechanical feed means for supplying material and powdered ingredients to the full axial length of said feed nip, a delivery surface extending away from said casing on the outer side of said working space, and means cooperating with the full axial working length of said working roller to transfer from the surface of the working roller to the delivery surface all compounded material reaching the end of the working space.

2,586,608
TEETHING MITTEN FOR BABIES
Martha Ann Bryson, Arcadia, Calif.
Application May 24, 1948, Serial No. 28,855
3 Claims. (Cl. 128—359)



1. A teething mitten for babies, comprising, a hand-receiving sheath having at its outer margin a filler-receiving pocket in order to form a border of a comparatively stiff but yielding roll formation.

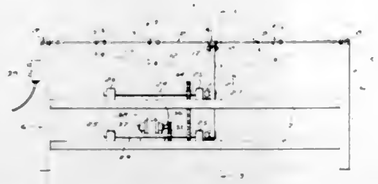
2,586,609
POINT-CONTACT ELECTRICAL DEVICE
Edward W. Burke, Jr., Flushing, N. Y., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application May 27, 1950, Serial No. 164,836
9 Claims. (Cl. 201—64)



1. A semiconductor device including a body of transparent methyl methacrylate, a pair of substantially parallel lends extending from one surface of said body in the same direction and having adjacent ends embedded in said body near the opposite surface thereof, a photosensitive semiconductor body secured to the embedded end of one of said leads, said semiconductor body having greater transverse extent than its supporting lead, and a comparatively slender point-contact element extending from the embedded end of the other of said leads and into engagement with the surface of said semiconductor body nearest said opposite surface of said plastic body, said opposite surfaces of said plastic body being optically figured for transmission of focused radiation to the immediate vicinity of the point-contact area of said semiconductor.

2,586,610
SPINAL RELAXATION COUCH
Ward Butler, Miami, Fla.
Application May 25, 1950, Serial No. 164,131
6 Claims. (Cl. 128—33)

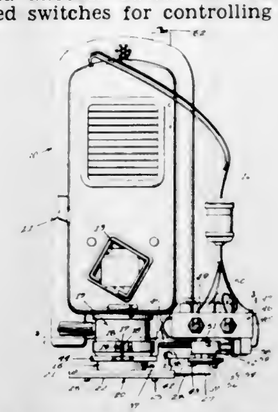
6. An exercising device for the human spinal column whereby the spine is moved in a predetermined transverse arcuate path, comprising a frame having a top for the support of a human body in horizontal position, the top formed of a plurality of transversely spaced flexible rods having their ends loosely supported in the frame, the rods adapted to maintain an identical elevation at all times, a plurality of spacer bars positioned along the rods and transversely of the device, the bars being connected with each rod, one of the bars being positioned substantially intermediate the length of the device and provided upon its under side with a pair of pivotal brackets adjacent its outer ends, push rods connected to the brackets, the push rods being perpendicular at all times of identical length, a crank arm pivotally connected to the lower end of each push rod, a crank arm pivotally connected to each push rod intermediate its length,



a shaft for the rotatable support of each crank arm, the shafts being parallel, a common drive for all of the shafts to rotate the crank arms in the same direction for the simultaneous and identical movement of the push rods through a vertical arcuate path, the motion of the push rods being imparted to the flexible top rods and their spacer bars to shift the top in an arcuate path, each crank arm provided with a longitudinal channel, a carriage shiftable in the channel under the influence of an adjusting screw, a slot formed in a side of the crank arms and communicating with the channel, a trunnion bolt projecting through the slot for engagement with the carriage, the trunnion bolts serving as the pivotal means to connect the crank arms to the pusher rods, the arcuate movement of the top being transmitted to the spinal column of an operator positioned upon the top.

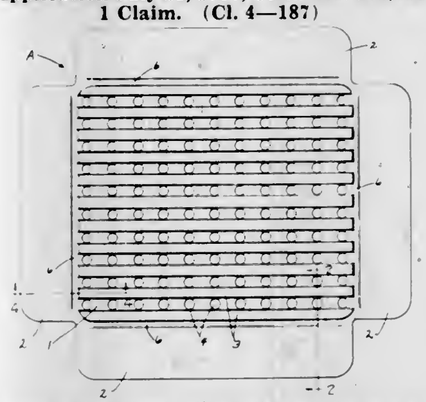
2,586,611
AUTOMATIC SLIDE CHANGING AND PICTURE DISSOLVING MECHANISM FOR STILL PICTURE PROJECTORS
Clarence J. Cadwell, Carpinteria, and Frank M. Adamson, Los Angeles, Calif., assignors to The Cadwell Corporation, Beverly Hills, Calif., a corporation of California
Application December 31, 1948, Serial No. 68,672
1 Claim. (Cl. 88—28)

In a still picture projector, a motor operated picture changer, a second motor, means operated by said second motor for periodically energizing the picture changing motor, a dissolver mechanism operated by said second motor synchronously with the picture changing operating motor, said second motor continuing to operate said dissolver mechanism during the periods of inoperation of said picture changing motor, a pair of switches connected in series with the said picture changer motor, one of said switches having a movable contact element, a cam element mounted for rotation by said second motor and adapted to actuate said movable contact element whereby to periodically effect the energizing and de-energizing of said picture changer motor whenever the other of said switches is closed, and another switch in series with the first named switches for controlling the opera-



tion of said second motor independently of said picture changer motor.

2,586,612
SINK MAT
James R. Caldwell, Wooster, Ohio, assignor to The Wooster Rubber Company, Wooster, Ohio, a corporation
Application July 21, 1950, Serial No. 175,234
1 Claim. (Cl. 4—187)

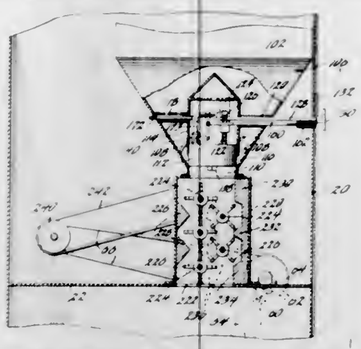


A mat of the class described comprising a main body portion of a relatively thin cross section and of generally rectangular shape, and side extensions formed integrally with said main body, one side extension extending from each side of the main body and movable relatively thereto about the line of juncture of the respective extension with said main body, the said main body having a plurality of spaced ribs extending upwardly from the upper surface thereof, the said main body having a plurality of apertures therethrough disposed between said ribs, the said main body having a plurality of protrusions extending downwardly from the under surface thereof, each of said protrusions being arranged to extend between two adjacent ribs bridging the relatively thin main body portion between said ribs.

2,586,613
APPARATUS FOR COMBINING FINELY DIVIDED SOLID MATERIAL WITH LIQUID
Arthur T. Coakley, Catonsville, Md.
Application September 7, 1949, Serial No. 114,358
10 Claims. (Cl. 259—6)

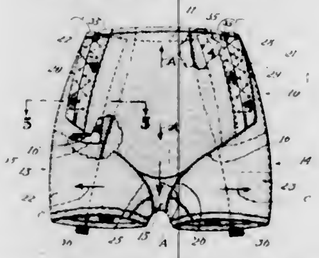
1. Apparatus for combining finely divided solid material with liquid, comprising an inverted

conical surface for the flow of the solid material thereover and having a circular opening at its lower end for discharge of said material in the form of a hollow inverted cone converging to one common point, and a spray nozzle located coaxially with said conical surface and centrally



within said opening for atomizing liquid in the form of a hollow cone, and means connected directly to the nozzle for supplying liquid under pressure and in controlled volume thereto and for projecting atomized liquid against the inner side of the hollow cone of solid material.

2,586,614
UNDERGARMENT
Ruth Weaver Collini, New York, N. Y.
Application September 7, 1949, Serial No. 114,340
5 Claims. (Cl. 2—41)

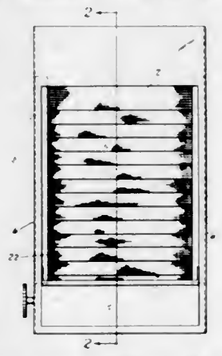


1. A maternity foundation garment comprising a plurality of panels, a front panel extending downwardly from the waist to a line substantially coextensive with the groin line of the wearer, said front panel having substantially the same width throughout and having its extreme side edges substantially coextensive with a substantially vertical line extending downwardly from the front portion of the crest of the wearer's ileum, said extreme side edges being substantially perpendicular to the lower edge of said front panel, whereby said panel is adapted to cover only but completely the abdomen of the wearer, said front panel being more elastic in a vertical direction than in the horizontal direction, substantially L-shaped side panels having inwardly extending lower horizontal portions and vertical portions, the upper edge of said lower horizontal portions being secured to the lower edge of the front panel along a line substantially coextensive with the groin line of the wearer, the vertical portions of said side panels extending upwardly along the sides of the garment and being secured to the side edges of said front panel, said side panels being substantially inelastic in the vertical direction whereby the lower portion of said side panels will act as an anchor to firmly position the lower edge of said front panel, and a rear panel.

2,586,615
BLOOM INHIBITED CHOCOLATE
Sherwood Thomas Cross, Elsmere, Del.; dedicated to the People of the United States of America by The Pennsylvania Manufacturing Confectioners' Association, assignee, by mesne assignments
No Drawing. Application July 5, 1950, Serial No. 172,199
31 Claims. (Cl. 99—23)

1. A composition of matter comprising chocolate and as a bloom inhibitor at least 0.5 per cent of a mixture of a fatty acid ester and a polyoxyalkylene fatty acid ester.

2,586,616
CONTINUOUS IMBRICATED PANEL TYPE FILTER
Verner Dahlman, New Lennox, Ill., assignor to American Air Filter Company, Inc., Louisville, Ky., a corporation of Delaware
Application February 23, 1949, Serial No. 77,707
6 Claims. (Cl. 183—62)

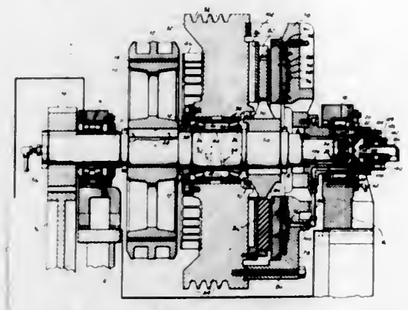


1. In an air stream filter of the imbricated panel type: pairs of spaced conveyor sprockets; a pair of endless chains having slotted links passing around said conveyor sprockets providing advacing and return courses across an air stream; rods carried in said slotted links, each rod carrying a filter panel, the length of the filter panels and the spacing of the rods providing an imbricated panel curtain; and pairs of rotatable transfer sprockets of larger diameter than the chain sprockets located at the ends of the courses to engage and remove said rods successively from one course and transfer the rods to the other course in inversed imbricated panel relation.

2,586,617
SEALING CONSTRUCTION FOR FLUID PRESSURE OPERATED BRAKE AND CLUTCH ASSEMBLIES
George I. Danly, Elmhurst, Ill., assignor to Danly Machine Specialties, Inc., Chicago, Ill., a corporation of Illinois
Application March 25, 1948, Serial No. 16,968
2 Claims. (Cl. 192—88)

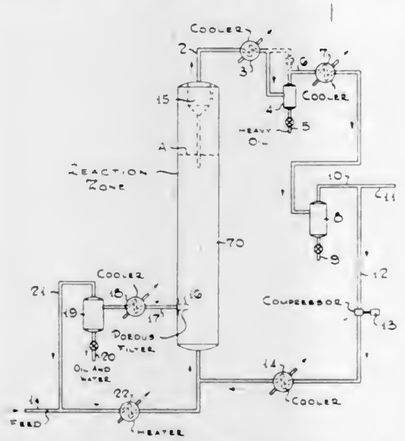
1. A fluid pressure operated clutch assembly for power presses including in combination a press frame, a pair of bearings supported by the frame, a shaft journaled in the bearings, a flywheel carried by the shaft intermediate the bearings for relative rotation with respect thereto, a clutch, fluid pressure means for actuating the clutch operatively to connect the shaft to the flywheel for rotation therewith, said clutch including a housing, a sleeve secured to the housing

for rotation therewith, one of said pair of bearings comprising a bearing carried by the press frame for rotatably mounting the sleeve and a bearing carried within the sleeve for rotatably receiving one end of the shaft, said sleeve being formed with a fluid passageway, means for providing communication between the passageway and the fluid pressure actuating means for the clutch, means carried by the sleeve forming a fluid pressure chamber, means providing communication between the fluid pressure chamber and the sleeve passageway, a stationary fluid



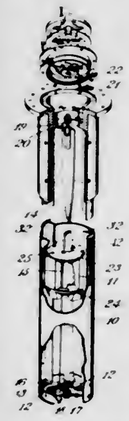
pressure pipe extending into the chamber and means providing a seal between the fluid pressure pipe and the chamber, said means carried by the sleeve for forming the fluid pressure chamber being telescopically lodged within the sleeve and secured thereto for rotation therewith, said means providing communication between the fluid pressure chamber and the sleeve passageway comprising a radially extending duct and means for sealing the telescoped surfaces of the sleeve and the means carried by the sleeve on opposite sides of the radially extending duct.

2,586,618
HYDROCARBON SYNTHESIS PROCESS
Jack C. Dart, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 8, 1946, Serial No. 708,627
3 Claims. (Cl. 260—449.6)
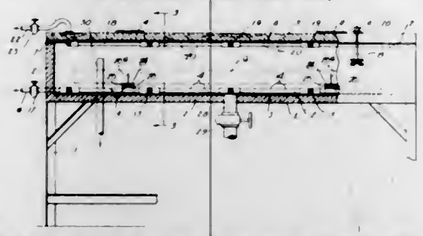


1. In a hydrocarbon synthesis process wherein feed gases comprising carbon monoxide and hydrogen are subjected to synthesis conditions in a synthesis reaction zone in the presence of a catalyst selected from the group consisting of iron, cobalt and nickel, wherein oxidation of the catalyst occurs, the improvement which comprises withdrawing a vaporous stream from said reaction zone at a point intermediate the point of introduction of said feed gases and the point of withdrawal of synthesized hydrocarbons, cooling said vaporous stream in an initial cooling zone to remove water, withdrawing said vaporous stream from said cooling zone and subjecting said vaporous stream to conditions adapted to remove carbon dioxide therefrom and returning said vaporous stream to said reaction zone.

2,586,619
FLOAT DRIVE MECHANISM FOR LIQUID LEVEL INDICATORS
Wilfred Owen Davis, Cricklewood, London, England, assignor to S. Smith & Sons (England) Limited, London, England, a British company
Application October 26, 1945, Serial No. 624,762
In Great Britain September 27, 1944
9 Claims. (Cl. 137—104)



1. A float controlled apparatus comprising a float, means engaging portions of said float and constraining the float to move substantially rectilinearly, two apertured plates secured to said float and spaced apart in the direction of the rectilineal movement, a member extending through said apertured plates and having helically arranged faces, which member is mounted to rotate about the axis of the helix which is arranged parallel with said rectilineal movement, the aperture in one of said plates being provided with opposed confining edge portions engaging opposite helical faces of said member at locations on either side of the helix axis, said aperture also being of greater length transversely to the axis of the helix than the width of the helical member, thereby affording free relative movement between the member and the plate in a direction transverse to said axis, and the aperture in the other of said plates also being longer than the width of said member and being provided with abutments opposite one another and engaging points on the helical member intermediate of its width, thereby preventing movement of said plate in a direction transverse both to said axis and to the direction of the aforesaid free movement, said constraining means being adapted to prevent any transverse movement of said first named plate except movement of said plate in a direction at right angles to the direction of the said free relative movement between the plate and said member.

2,586,620
APPARATUS FOR SUPPORTING AND WASHING VENETIAN BLINDS
William S. De Hart, Philadelphia, Pa.
Application January 23, 1948, Serial No. 4,002
3 Claims. (Cl. 134—99)



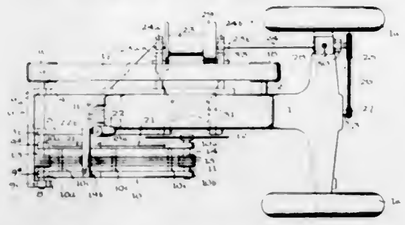
3. Apparatus for washing and cleaning Venetian blinds comprising a casing, a system for introducing a liquid into said casing comprising piping in the upper portion thereof provided with downwardly directed spaced apart discharge ports, an air discharge system in said casing in the lower portion thereof comprising piping arranged over the area of the casing and provided with upwardly directed air discharge ports, a liquid overflow and air pressure relief disposed interiorly of the casing at a predetermined height therein, and means for supporting Venetian blind slats in spaced relation in said casing above the air discharge system therein comprising rack members disposed transversely in the casing and having means projecting upwardly therefrom and arranged for interposition between adjacent slats.

2,586,621
TWO-CYCLE INTERNAL-COMBUSTION ENGINE
Albin de Laage, Paris, France
Application February 27, 1948, Serial No. 11,572
In France May 20, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 20, 1966
3 Claims. (Cl. 123—74)



1. In a two-cycle internal combustion engine comprising a cylinder, a piston, a movable sleeve between the piston and the cylinder, openings in said cylinder for the intake and exhaust and to receive a passage connecting the upper and lower portions of the cylinder, openings in said sleeve arranged to expose the proper cylinder opening in the desired sequence in accordance with the movement of the piston and sleeve, and an engine shaft, the improvement which comprises a closure entirely sealing the lower end of said movable sleeve, a driving connection extending from said closure to the engine shaft for imparting up and down movement to said sleeve, vertical registering slots in the concentric walls of the cylinder and sleeve, a rod connected to the piston and passing through said registering slots, and a driving connection located outside of said cylinder and extending from the protruding portion of said rod to the engine shaft.

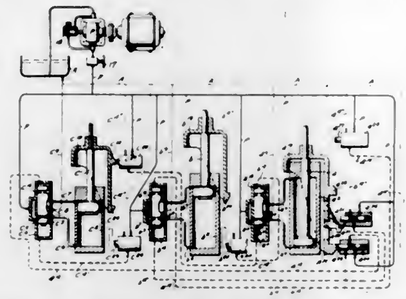
2,586,622
TRACTOR-OPERATED SAW
William Albert Dennis, Cameron, S. C.
Application January 18, 1949, Serial No. 71,495
8 Claims. (Cl. 143—46.55)



8. A power saw arrangement mounted on and driven by a tractor having a power take-off pulley mounted on a shaft extending laterally from one side of the tractor, said arrangement comprising a generally U-shaped frame mounted across the front of said tractor, the arms of said frame being attached to opposite sides of the frame of said tractor, a counter-shaft mounted for rotation on the yoke portion of said U-shaped frame at right angles to said arms and at a location forward of the front axle of said tractor, a pulley mounted on said counter-shaft in alignment with said take-off pulley, a driving belt connecting said pulleys, a swinging arm positioned on the opposite side of said tractor from said take-off pulley and being formed of two laterally spaced, parallel members having their forward ends pivotally mounted on said counter-shaft, and their rear ends extending to a point substantially mid-way between the front and rear wheels of said tractor, a second shaft mounted parallel to said counter-shaft in bearings at the free ends of said parallel members and extending inwardly beyond the inner parallel member, a circular saw mounted on the inner end of said second shaft, a driven pulley mounted on said second shaft between said parallel members, a driving pulley mounted on said counter-shaft in alignment with said driven pulley, a belt connecting said driving and driven pulleys, and means connected to one of said parallel members for swinging said swinging arms about said counter-shaft to raise and lower said saw.

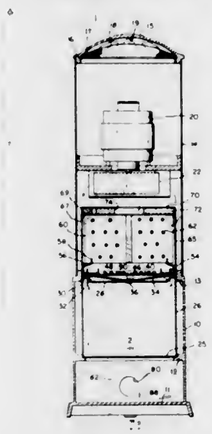
2,586,623
HYDRAULIC CONTROL SYSTEM
René Détrez, Nogent-sur-Marne, France
Application October 30, 1945, Serial No. 625,599
In France November 3, 1944
4 Claims. (Cl. 60—97)

1. In an hydraulic control system adapted to control movable parts, the combination of a source of fluid under pressure having a delivery conduit, controlling means in the delivery conduit of said source, an exhaust conduit, a plurality of hydraulic motors each comprising a working cylinder having ports at its ends, a driving piston reciprocable in each of said working cylinders, a piston rod fast to each of said pistons and to the movable part to be controlled; a plurality of releasers each including an inlet bore connected with said delivery conduit, an exhaust bore connected with said exhaust conduit, a control bore, movable means for connecting said control bore respectively with said inlet bore and said exhaust bore, and resilient means urging said movable means towards the position connecting said control bore with said exhaust bore; cam members fast to said piston rods and adapted to act upon their associated movable means at a given point of the stroke of said driving pistons; a plurality of slide valves each



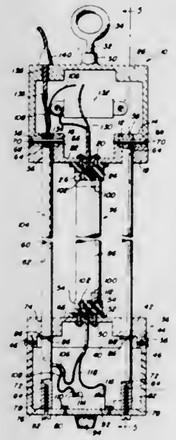
adapted to connect the ports of its associated cylinder respectively with said delivery conduit and said exhaust conduit, an actuating cylinder having an orifice in the bottom thereof disposed on each side of each slide valve, each actuating cylinder having a slidable piston therein fast to its associated slide valve, and transmitting conduits interconnecting said control bore to said orifices in a given order following the sequence of operations to be performed.

2,586,624
LABORATORY DRYING OVEN
Harry W. Dietert, John A. Schuch, and Ralph E. Steinmueller, Detroit, Mich., assignors to Harry W. Dietert Company, Detroit, Mich., a corporation of Michigan
Application March 28, 1949, Serial No. 83,852
8 Claims. (Cl. 34—43)



1. A laboratory drying oven comprising a vertical casing, a blower adjacent the top of said casing to blow air downwardly in said casing, a heating chamber in said casing having side walls spaced inwardly from the sides of said casing and a centrally open top wall, the side walls of said chamber having lateral openings therein, a drying chamber beneath said heating chamber, the side walls of said drying chamber being spaced inwardly from the sides of said casing, a partition intermediate said heating chamber and said drying chamber, said partition being imperforate throughout its central portion and having openings adjacent its periphery for downward flow of heated air adjacent the inner surfaces of the side walls of said drying chamber, an air pervious support at the bottom of said drying chamber for supporting material to be dried, an exhaust vent at the side of said casing below said drying chamber, an exhaust pipe connected to said vent, said vent and pipe providing an inlet opening for room air.

2,586,625
APPARATUS FOR TREATING MATERIALS BY ULTRAVIOLET RADIATION
Virgil M. Downey, Clarksburg, W. Va.
Application June 8, 1948, Serial No. 31,821
3 Claims. (Cl. 240—11.4)

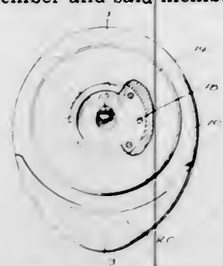


1. An apparatus for treating materials by ultraviolet radiation comprising a pair of spaced supports, an ultra-violet ray lamp including a tube, a plug at each end of the tube, sockets carried by the supports receiving the plugs, means electrically connecting said sockets to a source of current, a rheostat housed in one of said supports for regulating the supply of current to the sockets, a plurality of connecting bars, means securing the ends of said bars to said supports, and reflectors embracing said bars, said last mentioned means including fasteners carried by one of said supports, said bars having tapered terminals, internal threaded apertures provided in the tapered terminals of said bars receivably engaging the fasteners, and grooves provided in said one of said supports receiving the tapered terminals of said bars.

2,586,626
SOAP RING AND HOLDER THEREFOR
Elman R. Dunn, Waynesboro, Pa.
Application April 30, 1946, Serial No. 666,017
5 Claims. (Cl. 45—28)

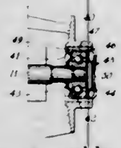
1. A support for a soap ring comprising a base, a journal on the base, an insoluble member freely rotatable on said journal, a toric mass of soap on said member, and means coating with said member for preventing contact of the soap with the fixed parts of the support, wherein the journal is inclined outwardly and upwardly from the base when the holder is operatively positioned

and wherein said journal has a head beyond said insoluble member and said member has an aper-



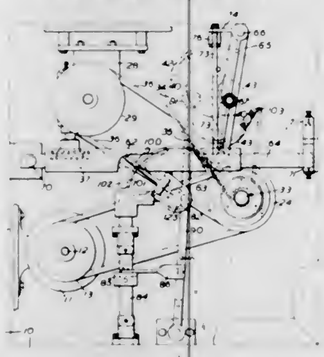
ture larger than said head to permit the soap mass to be placed on the journal.

2,586,627
BEARING
Lars Johan Faith Ell, Stockholm, Sweden, assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application October 30, 1946, Serial No. 706,765
In Sweden November 1, 1945
4 Claims. (Cl. 308—189)



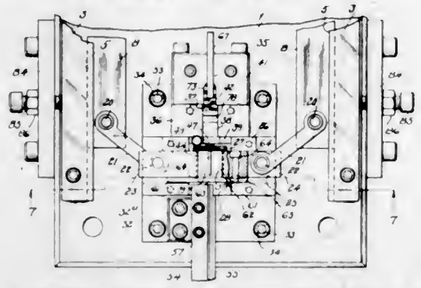
1. In a bearing assembly, an outer race, a circular bearing cover of a diameter substantially the same as that of said outer race and having an annular edge portion abutting one end of said outer race, and a clamping member having a central portion engaging the central portion of said cover and a plurality of arms extending from said central portion axially in contact with the circular edge of said cover and the outer peripheral surface of said race, said arms having inwardly extending projections embracing the other end of said outer race.

2,586,628
APPARATUS FOR SHAPING CLAYWARE
Arthur Godfrey Ellis, Longton, Stoke-on-Trent, England
Application March 8, 1949, Serial No. 80,260
In Great Britain March 12, 1948
9 Claims. (Cl. 25—24)



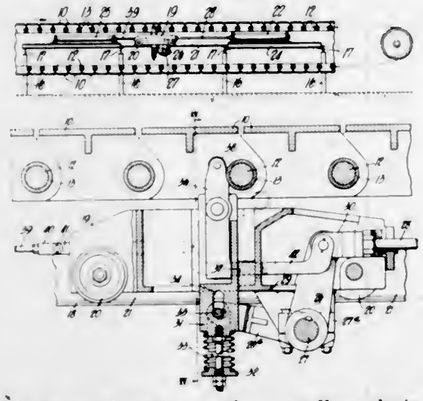
6. A potter's lathe comprising a chuck, means for rotating the chuck, a cutting tool mounted for movement in a direction at right angles to the axis of rotation of the chuck, means for advancing said tool upon a workpiece carried on the chuck, said tool being carried in an inclined position and adapted to traverse progressively the side walls of the article supported on the chuck, the line of advance of the tool being therefore tangential to the surface of the article.

2,586,629
GRID CUTTING AND FORMING MACHINE
Ralph A. Englert, Mill Hall, Pa., assignor to Sylvania Electric Products Inc., Emporium, Pa., a corporation of Massachusetts
Application June 14, 1945, Serial No. 599,481
16 Claims. (Cl. 140—71.6)



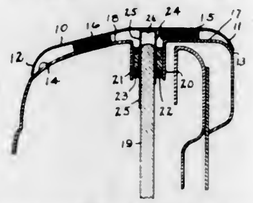
1. A cutting and forming machine for a grid strip including spaced parallel side wires around which is a cage-like winding of finer wire, said machine including a base, a stop, means along which said grid strip is slidably supported for edgewise feeding movement against said stop, two slides movable toward and from each other on said base transversely of the direction of said feed, means for effecting reciprocation of said slides, cutters carried by said slides for severing that portion of the grid strip between said stop and said cutters, and opposing end faces on said slides formed to mate with said side wires and re-shape the transverse contour of the fine wire winding of said severed grid strip portion.

2,586,630
BOOSTER APPARATUS FOR CONVEYER DRIVES
Gustave G. Erland and Axel B. Pearson, Pittsburgh, Pa., assignors to United States Steel Company, a corporation of New Jersey
Application March 21, 1949, Serial No. 82,512
10 Claims. (Cl. 198—203)



10. In combination with an endless chain conveyor having a supporting framework and a drive means, a booster apparatus for starting the conveyor comprising a carriage supported on the conveyor framework to travel beneath a flight of the conveyor, retractable dog supports mounted on said carriage, dogs pivoted to said dog supports and adapted when said dog supports are projected to engage the conveyor for applying a motivating force thereto, a bell crank pivoted to said carriage for rotation through a limited arc and having a laterally extending arm operatively connected with said dog supports and an upright arm, a main fluid pressure cylinder fixed to the conveyor framework, a main piston and piston rod mounted for reciprocable movement in said main cylinder and operatively connected with the upright arm of said bell crank for rotating said bell crank and thus projecting said dog supports and for propelling said carriage and thus starting the conveyor, a pull-back fluid pressure cylinder fixed to the conveyor framework, and a pull-back piston and piston rod mounted for reciprocable movement in said pull-back cylinder and operatively connected with the upright arm of said bell crank for rotating said bell crank in the opposite direction from said main piston and piston rod and thus retracting said dog supports and for returning said carriage after the conveyor has been accelerated to a speed at which it can be driven by said drive means.

2,586,631
AUTOMOBILE WINDOW ARMREST
Carleton B. Esch, Indianapolis, Ind.
Application November 21, 1947, Serial No. 787,429
1 Claim. (Cl. 296—49.2)



In an automobile window wherein a vertically shiftable glass is slidably retained laterally by felt compressed respectively against the inner and outer faces of the glass adjacent the top edge portion of the glass when in lowered position, the combination of a transverse shield member for bridging across the glass to serve as an arm rest; a depending, planar tongue of thin, spring-like metal, fixed by its upper portion to said member, and having an under edge inclined from the under part of one end to slope upwardly to the opposite end to merge approximately into said member; a second depending, planar tongue of thin, spring-like metal fixed by its upper portion to said member, and having an under edge inclined from the under part of one end opposite to said one end of the first tongue, to slope upwardly to the opposite end to merge approximately into said member; said two tongues extending entirely across said member to present opposing metallic faces spaced to grip entirely thereacross yieldingly against said glass faces to have the crossing of said lower edges located substantially centrally of said member; and said member having a length equal to the normal length of area of contact of one's forearm resting thereon.

2,586,632
COMBINED CLOTHESLINE, PULLEY, AND CLOTHESPIN
Mario Esposito, Gloversville, N. Y.
Application November 15, 1950, Serial No. 195,759
7 Claims. (Cl. 211—119.02)

1. A clothesline comprising a vertical loop of rope, a plurality of clothes clips slidably fixed on the lower leg of the loop, a pulley on which one end of said loop is mounted, a pulley track on which the other end of the loop is mounted, a pair of circular side plates secured to said track, each of a diameter such as to contain said clips within the periphery thereof, a pivot bolt on

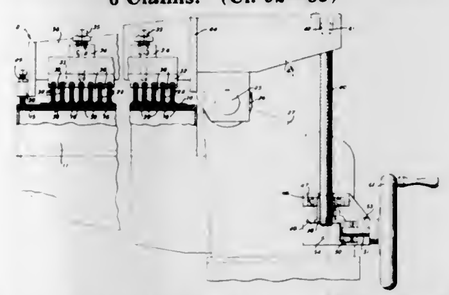


which said side plates are pivoted, a yoke also pivoted on said bolt and securing the pulley track and side plates to a window side or the like and an inverted channel secured to said yoke and aligned with said side plates, said channel having a closed end to limit the travel of said clips onto the upper leg of the loop.

2,586,633
ACETYLATION OF CELLULOSE
Evan F. Evans, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 10, 1949, Serial No. 98,395
3 Claims. (Cl. 260—227)

1. The process of preparing a fibrous cellulose triacetate by an inert diluent-free process which consists of reacting cellulose with an acetylation mixture consisting of from about 10% to about 20% boron trifluoride, from 0 to about 40% acetic acid, and from about 40% to about 90% acetic anhydride, the amount of the acetylation mixture used being such as to provide an excess of acetic anhydride over the amount theoretically required for the formation of the cellulose triacetate.

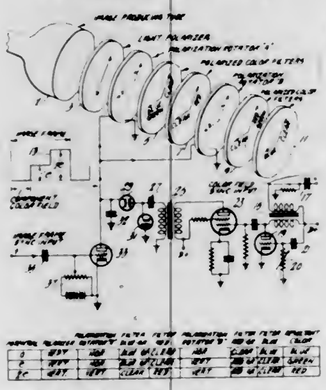
2,586,634
PULP INSULATING MACHINE
Waldemar C. Ewaldson, Millington, and John N. Selvig, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 16, 1947, Serial No. 741,922
6 Claims. (Cl. 92—55)



3. In a pulp insulating machine including a Fourdrinier wire of the continuous type driven on supporting rollers to cause an upper portion thereof to travel in the same direction as electrical conductors are advanced longitudinally in close proximity to the wire whereby the conductors may be covered with pulp fed to the wire prior to the said upper portion of the wire traveling over a suction box positioned beneath the upper portion of the wire to draw water from the pulp as it travels with the wire about the

conductors, a frame supported above the upper portion of the wire and having aligned apertures in opposing sides thereof, a press roll positioned adjacent the exit end of the upper portion of the wire, a shaft to rotatably support the press roll extending therethrough and through the aligned apertures in the frame, eccentric elements mounted on the portions of the shaft in the apertures to cooperate with the frame to support the shaft and press roll with their axes coincident with each other and parallel with the axes of the eccentric elements, whereby rocking movement of the shaft with the eccentric elements in the apertures will vary the position of the press roll relative to the wire and maintain the axis of the roll parallel with the wire, means for rocking the shaft with the eccentric elements, and means to control the rocking movement of the shaft and eccentric elements to control the position of the press roll relative to the wire.

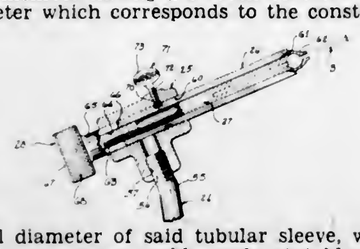
2,586,635
COLOR CONTROL SYSTEM
George L. Fernsler, Lawrenceville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 27, 1947, Serial No. 757,625
4 Claims. (Cl. 178—5.4)



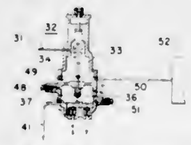
1. An image producing system of the type embodying an image reproducing tube, said system comprising in combination a light polarizing element, a plurality of selective polarized color filter elements, a plurality of birefringent elements interpositioned between some of said filter elements, said birefringent elements having different respective potential response characteristics and wherein all of said elements are positioned along an optical axis of said tube, and means for applying to said birefringent elements a potential wave having a plurality of different potential values to produce selected colors.

2,586,636
FLY TIER'S VISE
Richard C. Fischer and Orville D. Litsch, Chicago, Ill.; said Litsch assignor to said Fischer
Application February 18, 1947, Serial No. 729,306
1 Claim. (Cl. 81—25)

A fly tier's vise comprising a tubular sleeve handle having a constant external diameter and having one end formed with an outwardly flared internal seat, a holder slidably disposed in said sleeve and having one end enlarged and tapering inwardly to fit in said flared seat and having the opposite end formed with an externally screw-threaded shank, a knob having a screw-threaded bore engaging said shank and having an annular shoulder bearing against the adjacent end of the sleeve, said holder being slotted longitudinally from said enlarged end to a point near said shank end to provide clamping jaws operable by drawing the tapering portions thereof into said flared seat by manual operation of said knob, a vise head member having a smooth bore of constant diameter which corresponds to the constant external diameter of said tubular sleeve, whereby said bore can removably and rotatably receive said tubular sleeve handle, and manually operable means carried by said head member and engageable with said sleeve handle during rotation of said sleeve handle so as to prevent axial movement of said sleeve handle, said means being withdrawable into said vise head before axially sliding said sleeve handle from said smooth bore, whereby the vise can be used independently of said vise head.

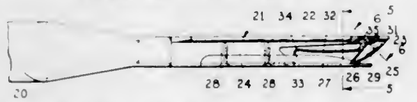


2,586,637
FLUID PRESSURE RELAY
Edward W. Fitch, Poland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application July 14, 1941, Serial No. 402,386. Divided and this application April 13, 1948, Serial No. 20,796
4 Claims. (Cl. 137—153)



1. A pneumatic relay including, a first and second chamber separated by a pressure sensitive wall and a third and fourth chamber separated by a second pressure sensitive wall, a movable member connecting said pressure sensitive walls, supply and exhaust valve means in said fourth chamber operated by said movable member, a first restricted pressure transmitting connection between the second and fourth chambers, and a second restricted pressure transmitting connection between the third and fourth chambers.

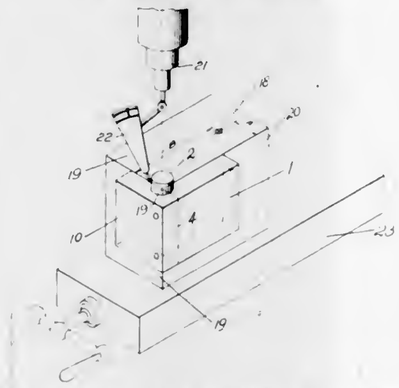
2,586,638
FILLING CARRIER FOR SHUTTLELESS LOOMS
Maurice R. Flamand, Central Falls, R. I., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application September 27, 1950, Serial No. 187,060
7 Claims. (Cl. 139—122)



1. For a loom having reciprocable carriers by which filling from an outside source of supply is

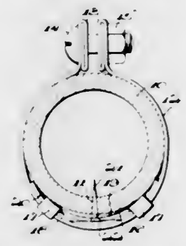
inserted within sheds formed by warp threads, a filling extending carrier for receiving a loop of filling from a companion carrier adapted to insert that loop part way through a warp shed, and for drawing an end from said filling loop across the remainder of the shed, which comprises a hooked member and a trapping guard cooperating with said hooked member to define a filling confining opening through which the filling is drawn, and a resilient filling tensioning means in pressure contact with a part of the surface of said hooked member, the cross sections and relative disposal of said hooked member and tensioning means being such that an equal amount of tension is applied to filling drawn through said carrier in either direction.

2,586,639
CENTERING GAUGE
Leopold Freimark, New York, N. Y.
Application September 2, 1947, Serial No. 771,710
5 Claims. (Cl. 33—174)



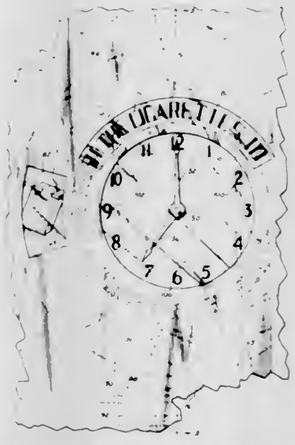
1. A centering and checking tool comprising a gauge block and a cylindrical geometric body secured to the gauge block, with the axis of said body in line with the line of intersection of two adjacent lines of said gauge block, a plate in juxtaposition with said gauge block, and in which the gauge block is provided with a plurality of threaded apertures by means of which said plate, having corresponding apertures therein, may be secured to said gauge block in different positions whereby said plate aids in properly positioning said gauge block.

2,586,640
LEAK SEALING DEVICE
Eugene C. Furman, Hampton, Va.
Application June 25, 1947, Serial No. 756,959
19 Claims. (Cl. 138—99)



1. In a leak sealing device, the combination of a clamp adapted to embrace a cylindrical container and having means for tightening the same, a carrier slidably mounted on said clamp, and a wafer of heat softenable and vulcanizable material mounted on and movable with said carrier for positioning said material to be forced into a leak upon softening of said material and tightening of said clamp.

2,586,641
ADVERTISING DISPLAY CLOCK
Christian Gabrielsen, Whippany, N. J., assignor to Rowe Manufacturing Co., Inc., Whippany, N. J., a corporation of New York
Application February 4, 1948, Serial No. 6,260
2 Claims. (Cl. 40—34)

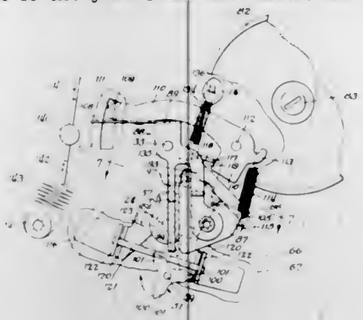


1. An advertising display clock including in combination a mirror comprising a sheet of transparent material and a backing of reflecting material, said reflecting material being formed with a plurality of openings to provide a plurality of windows, clock numerals carried by said transparent material adjacent one of said windows, another of said windows having the form of an arcuate segment radially displaced from said first window, clock-work, means for positioning said clock work behind said mirror, clock hands driven by said clock work positioned adjacent said first window, a disc, means for rotatably mounting said disc, means for rotating said disc from said clock work and advertising material carried by said disc visible only through said arcuate segment, said disc being formed with a cupped portion centrally thereof, said cupped portion being adapted to be disposed behind said first window, the surface of said cupped portion being coated with a highly visible colored material.

2,586,642
ELECTRIC ALARM CLOCK
William P. Gallagher, Chicago, Ill., assignor to International Register Company, Chicago, Ill., a corporation of Illinois
Application June 7, 1946, Serial No. 675,103
6 Claims. (Cl. 58—38)

1. In an electric alarm clock, in combination, a base plate, a motor mounted on said base plate having a rotor and a frame including a radially projecting flange, an alarm bell mounted on said base plate, a shaft extending from said base plate, a generally U-shaped bell hammer support yoke rockably mounted on said shaft each arm of which is bifurcated, the arm of said yoke adja-

cent said base plate having a section for engaging said motor frame to limit movement of the yoke away from said bell and another section having a convex surface for engaging the face of said flange adjacent said base plate to prevent removal of the yoke from said shaft, the other



arm of said yoke having a hammer supporting section and a cam striking section, a hammer carried by said hammer supporting section for striking said bell, and a cam driven by said motor for engaging said cam striking section to oscillate said yoke whereby said hammer intermittently strikes said bell.

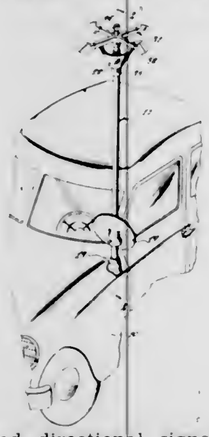
2,586,643

COMBINED AUTO MIRROR, RADIO ANTENNA, LIGHT, AND DIRECTIONAL SIGNAL CONSTRUCTION

Harry Garlow, Flemington, N. J.

Application July 30, 1949, Serial No. 107,748

1 Claim. (Cl. 177—329)



A light and directional signal construction comprising a main pipe, means for securing the main pipe to an automobile, and a central pipe connected through the main pipe, a directional control member on the upper end of the central pipe, comprising two lengthwise and two crosswise extending portions, lamp bulbs upon the directional control element, and a lamp bulb mounted upon the upper end of the small pipe, a control element adapted to be mounted within the automobile and having switch buttons adapted to control the respective lamp bulbs upon the directional control element, cable wires extending from the control element through the pipes and into the directional control element, to light a predetermined lamp bulb at a given time.

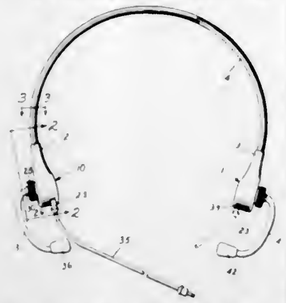
2,586,644

HEADSET

Russell C. Gilbert, Stillwater, Minn., assignor to Telex Inc., Minneapolis, Minn., a corporation of Minnesota

Application February 10, 1949, Serial No. 75,709

9 Claims. (Cl. 179—156)



1. An over-the-head head set comprising a pair of small sound reproducer units each including an electrical sound reproducer element, said units being mounted at opposite ends of a flexible over-the-head head bow, said sound reproducer units having substantially smooth faces opposing each other and each of said sound reproducer units being provided with a short ear tube movably connected in operative sound-communicating relation thereto, at a point other than said smooth face of the unit for adjustably positioning the ear tube with reference to the unit when the head set is worn, electrical connections between the sound reproducer elements and an exterior cord connected to said elements.

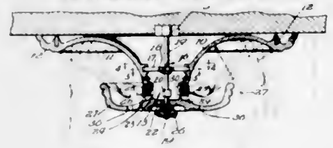
2,586,645

CEILING LIGHTING FIXTURE HAVING AN INVERTED CONICAL REFLECTOR

Charles G. Girolami, Chicago, Ill.

Application June 16, 1947, Serial No. 754,832

11 Claims. (Cl. 240—78)



1. In a lighting fixture, a ceiling reflector having an inverted substantially conical shaped portion provided with an opening through the apex of said conical portion thereby providing a downwardly facing annular surface, a supporting member carried by said portion, extending across said opening and spaced from the end of said conical portion, a lower bowl-shaped reflector having an upwardly extending annular rib centrally disposed therein and fitting against said downwardly annular surface to form a closure for said opening, a hanger member anchored at one end to the ceiling and passing through said supporting member and the lower reflector, means engaging said hanger member for supporting the reflectors and for maintaining them in assembled relation, the diameter of the lower reflector being substantially less than the diameter of the ceiling reflector member, and lamps removably supported by the ceiling reflector and disposed between the reflector members and concealed by the lower reflector member.

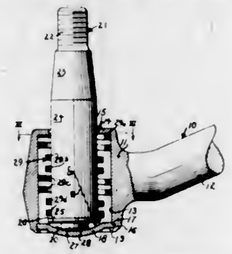
2,586,646

JOINT

Matthew P. Graham, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application March 29, 1946, Serial No. 658,046

3 Claims. (Cl. 287—90)



1. A joint construction comprising a socket having a bore extending inwardly from one end thereof to an apertured end wall providing a shoulder in the bore, a stud projecting freely through the apertured end wall of the socket and having a cylindrical portion disposed in said bore in spaced relation therefrom, a flange on said stud in said bore providing a shoulder at the end of the cylindrical portion, a lug depending from said flanged portion of the stud and having a rounded end wall, a closure plug secured to the socket in the open end of the bore having a concave portion receiving the rounded end of the lug, and a single coil spring having large diameter coils snugly seated in said bore and small diameter coils snugly embracing said cylindrical portion of the stud, one of the small diameter coils being bottomed on the shoulder provided on the stud by said flange and one of the large diameter coils being bottomed on the shoulder provided by the end wall of the housing, said stud being rotatable within said small diameter coils and said small diameter coils being spaced from said large diameter coils to permit tilting of the stud in all planes relative to the socket without unseating the large diameter coils from the socket bore.

2,586,647

ALUMINUM ALLOY

Harold Ernest Gresham, Little Eaton, and Douglas Wilson Hall, West Monkseaton, England, assignors to Rolls-Royce Limited, Derby, England

No Drawing. Application February 4, 1947, Serial No. 726,440. In Great Britain February 8, 1946

1 Claim. (Cl. 75—147)

An age hardened aluminum base alloy resistant to severe corrosion conditions and comprising an aluminum base alloy consisting of 94.5–98.8% aluminum, 1–3.5% magnesium and 0.20–2.0% silver in the condition produced by solution heat treatment of 1–20 hours at 520–550° C., followed by quenching and 8–30 hours ageing at 160–200° C.

2,586,648

LOCKING MECHANISM FOR FOLDING TOPS

Clifford E. Hale, Ann Arbor, and William L. McKenna, Ypsilanti, Mich., assignors, by mesne assignments, to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan

Application November 12, 1948, Serial No. 59,524

3 Claims. (Cl. 296—120)



2. In a vehicle body of the convertible type, a pair of hollow transversely extending bars arranged side by side in substantially a horizontal plane with the opposed walls thereof spaced apart in substantially parallel relation to each other, one of said bars being a fixed windshield header, and the other being a header of a folding top for said vehicle body and movable substantially horizontally to and from said fixed windshield header, and mechanism for locking said movable header to said windshield header, including two lugs of substantially J-cross section located in the space between the opposed walls of said header bars, said lugs respectively having their longer leg portions fixed to the front wall of said movable header bar adjacent opposite ends thereof and having their shorter front leg portions providing cam posts, two levers respectively adjacent opposite ends of said fixed header bar, said levers extending freely through the rear wall of said windshield header and mounted within the latter to swing substantially horizontally, the outer free ends of said levers having downwardly extending cam flanges engageable with the cam posts aforesaid to cam said movable header substantially horizontally into the side by side relation aforesaid with said windshield header, a rotatable operating handle beneath said windshield header at a point substantially midway the ends thereof and having a shaft extending upwardly into said windshield header, a toggle plate rigid with said shaft and having two arms at substantially diametrically opposite points of said shaft, one of said arms being offset relative to the other, a link terminally connected to one of said arms and to one of said levers; and a link terminally connected to the other of said arms and to the other of said levers, said links being movable by said arms to an over-center position with respect to the axis of said shaft to hold said levers in engagement with said posts.

2,586,649

RECOVERY OF INDIUM VALUES AS INDIUM ARSENATE

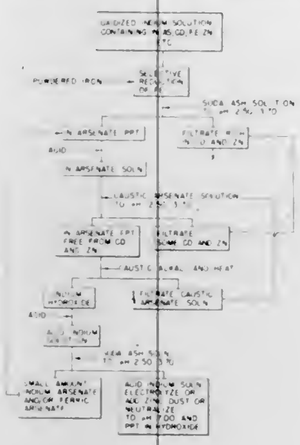
James L. Hart, Bartlesville, Okla., assignor to National Zinc Company, Inc., New York. N. Y., a corporation of New York

Application February 4, 1948, Serial No. 6,259

6 Claims. (Cl. 23—53)

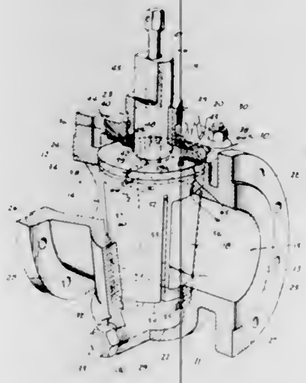
1. The method of selectively precipitating indium values from an acid indium-bearing solution containing impurities and having a pH value of less than 2.5 which comprises adjusting the pH value of the solution to between 2.50 and 3.70 in the presence of a soluble arsenate and

thereby selectively precipitating the indium as arsenate, and recovering the indium arsenate



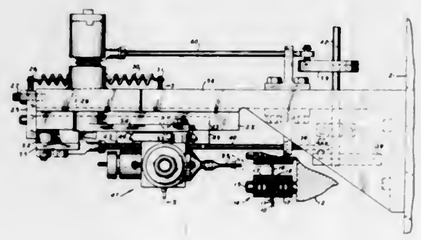
from the residual solution containing substantially all of the original impurities.

2,586,650
PLUG VALVE
Joye C. Haun, deceased, late of San Francisco, Calif., by Florence Patricia Mills, executrix, Wallowa, Oreg., assignor to Florence Patricia Mills, Wallowa, Oreg.
Application January 10, 1947, Serial No. 721,345
4 Claims. (Cl. 251—93)



1. A lubricated valve comprising, in combination, a housing provided with a frusto-conical bore presenting a seating surface and having inlet and outlet ports communicating with the bore, a frusto-conical plug having a seating surface fitted for rotational movement in said bore and having a passage therethrough for connecting the inlet and outlet ports when the plug is in a predetermined position relative to the housing and closing said ports when rotated to another position, said plug having a stem projecting from one end thereof, said stem having a lubricant chamber therein for holding a supply of lubricant, means for applying pressure to the lubricant in said chamber, closure means secured to said housing and surrounding said stem, one of said seating surfaces having a system of lubricant grooves therein from which lubricant is spread over the seating surfaces when the plug is rotated in the housing, said system of lubricant grooves including circumferential grooves encircling the plug near opposite ends thereof and in spaced relationship to said plug passage and longitudinally extending grooves on opposite sides of both ends of the plug passage and adjoining one of the circumferential grooves, said housing having a second lubricant chamber therein at the end of the plug opposite the stem, means providing an inlet for lubricant under pressure to the last-mentioned chamber so as to apply lifting force against the end of the plug, said plug having lateral passages therein connecting the stem chamber to opposed ones of said longitudinal grooves at the ends thereof opposite said one of the circumferential grooves, an additional lateral passage connecting the stem lubricant chamber to the other of the circumferential grooves, said means providing an inlet for lubricant under pressure including a longitudinal passage in the plug connecting the housing lubricant chamber to said additional lateral passage, and a check valve including a retaining ring mounted in the outer end of said additional lateral passage and a ball movable longitudinally in the said passage for restricting the flow of lubricant through the inner portion of the additional lateral passage to an outward direction from the stem lubricant chamber.

2,586,651
MATERIAL EJECTING AND FEEDING APPARATUS
Carl Herzog, Belleville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 12, 1950, Serial No. 155,519
4 Claims. (Cl. 118—323)

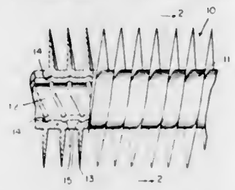


1. An apparatus operable through repeated cycles to eject given quantities of a material intermittently and feed them to spaced positions on a longitudinally advanced article, the apparatus comprising a hollow feeding element, a receptacle for the material, a carriage reciprocable in a given straight path toward and away from the article, a support for the element mounted on the carriage for reciprocable movement in the given straight path with the carriage and for reciprocable movement in a transverse straight path, means to force quantities of the material from the receptacle through the feeding element and eject them from the element, and means operable in timed relation with each other to reciprocate the carriage and the support whereby the feeding element will be moved through their combined straight path means in a rectilinear path relative to the article to move the quantities of material toward the article and to force the quantities of material onto the article.

2,586,652
MANUFACTURE OF INTERPOLYMERS OF STYRENE WITH POLYHYDRIC ALCOHOLIC MIXED ESTERS AND OF COATING COMPOSITIONS OBTAINED THEREFROM
Donald Helmsley Hewitt and Frank Armitage, London, England; Ernest Booth and Richard Hartlebury Buckle, executors of said Donald Helmsley Hewitt, deceased, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 11, 1947, Serial No. 727,952. In Great Britain February 15, 1946
13 Claims. (Cl. 260—23)

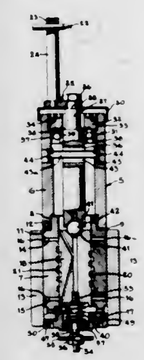
1. A process for producing a soluble homogeneous interpolymer having air drying properties comprising heating, at an elevated temperature, a mixture consisting of styrene and not less than an equal amount of a partially polymerized compound selected from the group consisting of the esters formed solely from fatty acids and at least one polyhydric alcohol and fatty acid modified resins formed solely from fatty acids, at least one polyhydric alcohol and phthalic acid, the fatty acid component of said esters and resins being from about 5.2% to about 52% conjugated trienes when in the unpolymerized state, the remainder of said fatty acid component being predominantly unsaturated.

2,586,653
METHOD OF PRODUCING HEAT EXCHANGE ELEMENTS
Walter P. Hill, Pontiac, Mich., assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich., a corporation of Michigan
Application June 22, 1951, Serial No. 233,043
2 Claims. (Cl. 80—62)



1. The method of forming a composite tube having an integral helically extending fin projecting outwardly from the outer tube and having an integral helically extending rib projecting outwardly from the inner tube into a helically extending groove formed in the inner surface of the outer tube opposite the root of the fin, which comprises telescopically engaging inner and outer plain tubes, the inner plain tube having an external diameter sufficiently less than the internal diameter of the outer plain tube to permit elongation of the outer tube relative to the inner tube and the outer plain tube having a wall thickness substantially greater than the wall thickness of the inner plain tube, exerting a circumferential rolling pressure in an inward direction on axially spaced helically aligned portions of the outer plain tube to extrude material from the outer tube throughout its wall thickness to form an external helical fin on the outer tube and at the same time form a helical groove in the inner surface of the outer tube directly opposite the root of the helical fin, reducing the outer tube against the inner tube by the circumferential rolling pressure and at the same time elongating the outer tube relative to the inner tube to cause migration of the inner surface of the outer tube along the inner tube, filling the grooves formed in the inner surface of the outer tube with ribs rolled up from the outer surface of the inner tube by continued application of the rolling pressure and pressing the ribs into intimate contact with the adjacent walls of the grooves by the migration of the outer tube along the inner tube.

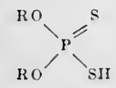
2,586,654
TRACER CONTROL VALVE
William G. Hoelscher, Cincinnati, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio
Application June 3, 1948, Serial No. 30,906
3 Claims. (Cl. 251—132)



1. A hydraulic tracer valve comprising; a valve casing, a spindle journalled in said casing and arranged for angular movement relative to the casing, means for locking the spindle against rotary movement a slidable valve plunger in said valve casing, means including a ball between the adjacent ends of said spindle and valve plunger to convert angular movements of the spindle into longitudinal plunger movements, a compression spring engaged against an end of said valve plunger to urge said valve plunger against the end of said spindle, and a ball bearing forming a seat for said compression spring.

2,586,655
S-ALKOXYMETHYL-O,O'-DIALKYLDITHIOPHOSPHATES
Edwin O. Hook, Old Greenwich, Conn., and Philip H. Moss, Nederland, Tex., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 26, 1948, Serial No. 17,396
13 Claims. (Cl. 260—461)

1. A method of producing S-methylalkyl ether and thioether triesters of dithiophosphoric acid which comprises condensing together an O,O-diester of dithiophosphoric acid having the formula



where R is a member selected from the group consisting of aliphatic hydrocarbon and aromatic hydrocarbon radicals, with formaldehyde and a member selected from the group consisting of hydroxy-substituted aliphatic hydrocarbons and mercapto-substituted aliphatic hydrocarbons.

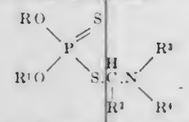
2,586,656

S-AMINOALKYLIDENE DITHIOPHOSPHORIC ACID TRIESTERS

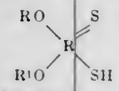
Edwin O. Hook, Old Greenwich, Conn., and Philip H. Moss, Seldovia, Alaska, assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 18, 1949, Serial No. 111,081
5 Claims. (Cl. 260—461)

1. A method of producing a triester of dithiophosphoric acid of the formula



in which each of R and R^1 is a member of the group consisting of aliphatic hydrocarbon and aromatic hydrocarbon radicals, R^2 is a member of the group consisting of hydrogen and aliphatic hydrocarbon and aromatic hydrocarbon radicals, R^3 is a member of the group consisting of aliphatic hydrocarbon, heterocyclic, and aromatic hydrocarbon radicals, and R^4 is a member of the group consisting of hydrogen, aliphatic hydrocarbon, aromatic hydrocarbon, and heterocyclic radicals, which comprises condensing together an O,O-diester of dithiophosphoric acid of the formula



an aldehyde of the formula



and an amine of the formula



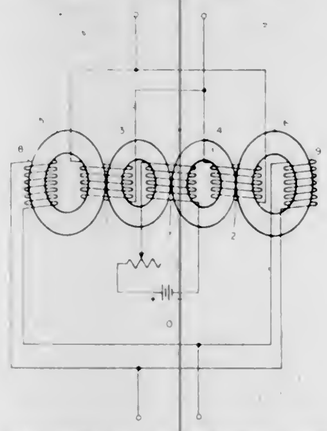
in which R, R^1, R^2, R^3 and R^4 are as defined above.

2,586,657

SATURABLE TRANSFORMER

William J. Holt, Jr., Garland, Tex., assignor to Varo Mfg. Co., Inc., Garland, Tex., a corporation of Texas

Application August 24, 1948, Serial No. 45,932
5 Claims. (Cl. 323—56)



1. In combination: a magnetic core means comprising two pairs of closed flux paths; a first primary winding for inducing an alternating flux in one pair of said closed flux paths; a secondary primary winding for inducing an alternating flux in the other pair of closed flux paths, said primary windings being connected in parallel; a control winding for simultaneously and equally varying the saturation of one closed flux path of each of said pairs of closed flux paths, the fluxes in said last mentioned closed flux paths flowing in opposite directions with respect to said control winding; and a secondary winding on each of said closed flux paths not adapted to be saturated by said control winding, said secondary windings being connected in parallel.

2,586,658

BACK BRACE

Helmut Hörmann, Heubach, Germany

Application January 14, 1949, Serial No. 70,955
In Germany October 28, 1948
1 Claim. (Cl. 2—32)



A spinal brace comprising a back portion, a front portion, reinforcing means secured to the back portion in the center thereof and extending the vertical length of the back portion to thus extend adjacent and parallel to the spine of the wearer when in wearing position and consisting of a pair of spring blades arranged adjacent to each other and mounted to move hinge-like relative to each other, means to releasably secure the two portions together and to adjust the two portions relative to each other when on the body of the wearer, means secured to the front and back portions to extend over the shoulders of the wearer to maintain the brace in position on the body of the wearer, and a cover on and extending over each blade and secured to the back portion.

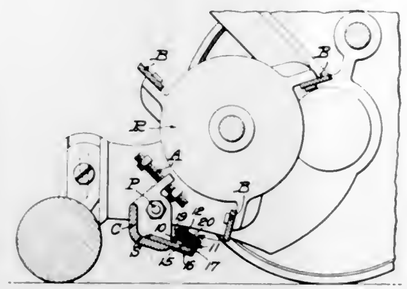
2,586,659

SHARPENING DEVICE FOR LAWN MOWERS

Robert B. Housley, Venice, Calif., assignor of one-half to Evelyn C. Housley, Venice, one-fourth to George Arnold, Santa Monica, and one-fourth to Alfred L. Arnold, Venice, Calif.

Application July 17, 1951, Serial No. 237,175
5 Claims. (Cl. 51—250)

1. A device for sharpening the cutter blades of a rotary reel of a lawn mower and for insertion between the reel blades and the coacting stationary cutter bar when the latter is adjusted away from the reel, comprising separable inner and outer sections, each substantially coextensive in length with the cutter bar, the inner section being supported on top of the cutter bar and having at its front edge a stop portion to engage the front edge of the cutter bar, said inner section having a flat top disposed in downwardly and forwardly converging relation to the plane of the cutter bar, said outer section having top and bottom plates resiliently connected along their forward longitudinal edges, said top plate being disposed in supporting and frictional contact with said top of the inner section and said bottom plate being disposed in yieldable and frictional contact with the bottom of said cutter bar, and a substantially rectangular block of abrasive material carried on the top of said upper plate for engagement by the cutting edges of the reel blades.



2,586,660

LEADED FUEL COMPOSITION

William C. Howell, Jr., Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 1, 1950, Serial No. 147,139
6 Claims. (Cl. 44—69)

1. A leaded gasoline fuel containing in combination about 0.5 to 1 theories of a halogenated hydrocarbon scavenging agent and a volatile alkyl tin compound, said volatile alkyl tin compound being present in sufficient proportions to provide from 0.5 to 1.5 atoms of tin per atom of lead.

2,586,661

PROCESS FOR THE RESOLUTION OF AN AMINO-DIOL RACEMATE

Robert Michel Jacob, Ablon-sur-Seine, Leonide Liakhoff, Vitry-sur-Seine, and Jacques Georges Robert, Paris, France, assignors to Societe des Usines Chimiques Rhone-Poulenc

No Drawing. Application December 6, 1950, Serial No. 199,548. In France December 14, 1949
4 Claims. (Cl. 260—562)

3. Process for the production of a therapeutically active optically active isomer of 1-paranitrophenyl - 2 - dichloracetylamino propane-1:3-diol which is dextro-rotatory in ethanol solution which comprises reacting racemic-1-paranitrophenyl - 2 - dichloracetylamino propane-1:3-diol with an equimolecular quantity of succinic anhydride in a neutral non-hydroxylic solvent, heating the solution, adding an organic base, continuing to heat the solution, basifying and neutralising the solution, treating the solution with strychnine, crystallising the resulting mixture from an organic solvent, fractionally separating the more soluble optical isomer contained in the mixture, and subjecting said more soluble isomer to basification, neutralisation and mild hydrolysis.

2,586,662

DIRECTIONAL DRILLING APPARATUS

John Gordon Jackson, Denver, Colo,, assignor to Eastman Oil Well Survey Company, Denver, Colo., a corporation of Delaware

Application August 20, 1948, Serial No. 45,309
1 Claim. (Cl. 255—1.6)



In directional drilling apparatus, the combination with a drill pipe, of a coring collar connected to the lower end of the drill pipe and having a side opening above its lower end, a core receiving tube, means including lonigtudinally spaced support members between the tube and collar for mounting the tube in the collar in spaced relation to the inner wall thereof and permitting fluid flow through the space, means at the upper end of the tube connecting it with the side opening in the collar whereby core material at the upper end of a cut core can be discharged into the well bore, a core bit carried by the lower end of the core collar to accomplish the core cutting, a deflecting tool having an inclined guide face portion and a collar at its upper end, said guide face portion and collar of the tool being rigidly associated with each other and the collar being of a size to slidably receive the core collar but of small internal diameter than the overall diameter of the core bit, and frangible means for connecting the collar of the deflecting tool to the core collar in a position where the core bit will be below the tool collar but above the inclined guide surface, said side opening in the collar being such a distance above the core bit as to constitute a large fraction of the length of the guide face of the deflecting tool and said defined directional drilling apparatus permitting continuous drilling of the deflected bore in the identical direction of the guide surface of the deflection surface and to a considerable distance beyond the end of the deflecting tool because of the continued guiding action of a drilled core in the core receiving tube resulting from the ability of the upper end of the core to be discharged to the side of the collar.

2,586,663

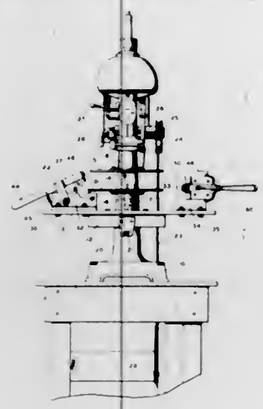
RECORD CUTTING AND TRIMMING MACHINE

Robert W. Keck and Harvey F. Fillman, Allentown, Pa.

Application July 28, 1947, Serial No. 764,199
4 Claims. (Cl. 29—27)

1. An edge trimming attachment for a rotary platen machine for operating on disks comprising a support mounted to one side of the principal

axis of the machine adjacent a platen thereof, a cutting knife adjustably mounted on said support near the edge of said platen for adjustment in the general direction of said axis, a lever pivoted to said support having a cutting knife at its free end, the arc of movement of said second



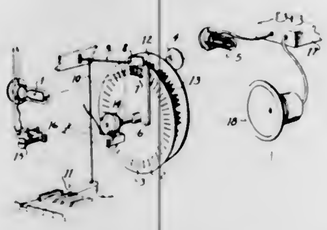
knife being generally in the direction of said axis as said knife approaches the first knife whereby said knives are in edge to edge alinement at the end of said movement, and manual means for actuating said lever.

2,586,664

MUSICAL INSTRUMENT EMPLOYING CONTINUOUSLY MOVING MEMBERS

Armand F. Knoblaugh, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio

Application July 20, 1948, Serial No. 39,674
13 Claims. (Cl. 84—1.18)



1. In a musical instrument, a continuously moving member having a plurality of rows of musical pitch determining elements, said rows containing quantities of said pitch elements related to each other in proportions embraced in the following numbers: 116, 123, 130, 138, 146, 155, 164, 174, 184, 195, 207 and 219.

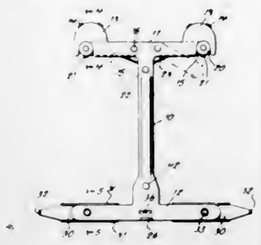
2,586,665

SHOE DISPLAY DEVICE

Harry Konikoff, New York, N. Y., assignor to Henry G. Greene, New York, N. Y.

Application May 6, 1948, Serial No. 25,390
1 Claim. (Cl. 211—37)

A display device for shoes or the like comprising an elongated base plate provided with laterally extending terminal sections at each end of the base plate arranged to support a shoe or the like on each side of such base plate, each of the terminal sections at one end of the base plate being provided with spaced, upstanding fingers arranged to contact the rear heel section of the shoe, a lever pivoted on each terminal section adjacent its point of attachment with the base plate and provided with an upstanding finger arranged to contact the front heel section, and a spring



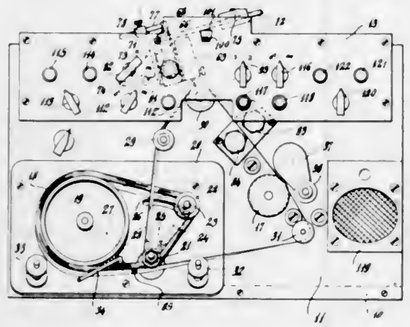
urging the lever toward the heel, each terminal section at the opposite end of the base plate supporting a plate arranged for sliding movement and being provided with an upstanding finger arranged to contact one side of the sole of the shoe, and a fixed finger carried centrally of the base plate arranged to contact the other side of said sole.

2,586,666

SOUND-ON-FILM RECORDING AND REPRODUCING MACHINE

Jacob M. Kuhlik, Brooklyn, N. Y., assignor to Hattie B. Kuhlik, Sea Gate, N. Y.

Application May 4, 1944, Serial No. 534,054
1 Claim. (Cl. 274—11)



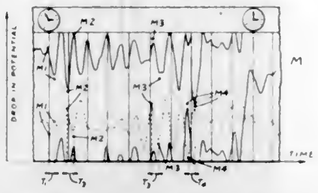
In a sound recording and reproducing machine, an endless transparent traveling film, having an opaque section, means for moving said film, an externally screw-threaded shaft, a sound unit including a sound box with a stylus adapted to engage said film, a plate fixed to said box, a tubular sleeve member on said plate having internal screw threads adapted to coact with the threads on said shaft, magnetically operated means for rotating said shaft including a toothed wheel on the end of said shaft, a magnet adjacent said wheel with its core movable into and out of engagement with the teeth of said wheel and a photoelectric cell controlled by the passage of the opaque section of the endless film for actuating said magnet and means for balancing the movement of said shaft comprising a grooved wheel fixed on said shaft adjacent said toothed wheel and a spring pressed weighted arm yieldingly engaging said grooved wheel for balancing the movement of the shaft.

2,586,667

METHOD FOR THE ELECTRICAL INVESTIGATION OF THE GROUND

Géza Kunetz, Issy-les-Moulineaux, France, assignor to Compagnie Generale de Geophysique, Latour Maubourg, Paris, France, a French corporation

Application May 16, 1946, Serial No. 670,101
In France February 27, 1946
2 Claims. (Cl. 175—182)



1. An electrical prospection method utilizing the effects of earth or industrial telluric currents, without the necessity for using any artificial current, comprising the steps of recording variations in a function of the telluric field between first two spaced apart points at one station, recording variations in a function of the telluric field between two other spaced apart points at said one station, said two other points lying on a line substantially perpendicular to a line passing through said first two spaced apart points, recording variations in a function of the telluric field at first two spaced apart points at another station, recording variations of a function of said telluric field at two other spaced apart points at said another station, said last named spaced apart points being located on a line lying substantially perpendicular to a line passing through said another station first two spaced apart points, all of said records being made during the same period of time, designating a plurality of identical time intervals on each of said records, measuring for the beginning and end of each said time interval, the values of the ordinates representing the respective recorded functions of the telluric field, determining the differences between said ordinates corresponding to the beginning and end of each said time interval, the two ordinate difference values obtained for each station during each time interval corresponding to vector components of a function of the telluric field, determining from said vector components a vector resultant for each station during each time interval, and determining from said vector resultants the ratio between the area swept by the telluric field resultant vector at said one station and the area swept by the telluric field resultant vector at said another station during the same time interval.

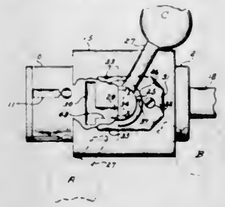
2,586,668

THREADING APPARATUS

Charles H. Laemmel, Detroit, Mich., assignor, by mesne assignments, to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio

Application April 29, 1948, Serial No. 23,999
2 Claims. (Cl. 10—95)

1. A self-opening threading head comprising a body provided with means for guiding threading tools for opening and closing movements, a sleeve axially movable on said body through a normal operating range from opening to closing position of the tools, a rotatable shaft provided with a handle and an operating pin eccentric of the shaft axis, means on said sleeve rotatably supporting said shaft for movement about an axis extending radially of the sleeve, means retaining said rotatable pin mounting shaft against movement along its axis, said body on its peripheral portion having a transverse groove receiving said pin so that the axial component of rotational movement of the pin in its normal operating range causes axial movement of the sleeve on the body, said body also having a pin receiving groove extending substantially axially of the body from a point on said transverse groove which is substantially beyond the pin's normal operating range of movement, the bottom of the axial pin receiving groove lying inwardly of the geometric



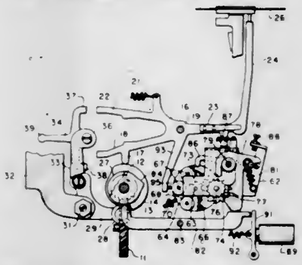
plane in which the bottom of the pin moves during normal operation to cause axial movement of the sleeve, the size relationship of said shaft, pin and transverse and axial grooves being such that the pin is movable from the transverse groove to the axial groove by rotation of the shaft beyond the limit of its normal operating range whereby the sleeve is retracted beyond its normal operating range of movement to release the threading tools when the pin is moved to a point on the transverse groove substantially beyond the pin's normal operating range of movement.

2,586,669

FIXED MESSAGE INSERTER

Ross A. Lake, Oak Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application December 20, 1949, Serial No. 134,066
10 Claims. (Cl. 178—17)



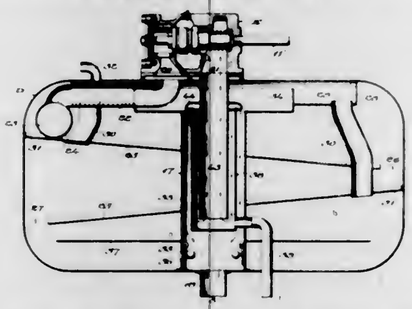
1. In combination with a telegraph transmitter having pivoted tape sensing levers, a first group of sensing pins mounted on said sensing levers for sensing a message tape, interponents for carrying said sensing levers, transmitting contact actuating levers controlled by said interponents, a numbering device, a second group of sensing pins on said interponents for sensing said numbering device, means responsive to a special signal combination sensed by said first group of sensing pins in said message tape for actuating said second group of sensing pins to thereby cause said transmitting contact actuating levers to transmit a special numbering sequence, and means responsive to a different special signal sensed by said second group of sensing pins for actuating said first group of sensing pins to again sense said message tape and for stopping the operation of said sensing pins in sensing said second group of numbering device.

2,586,670
SELECTIVE GAS ADSORBER
Christian J. Lambertsen, Scotch Plains, N. J.
Original application January 31, 1945, Serial No. 575,386. Divided and this application May 4, 1948, Serial No. 25,044
2 Claims. (Cl. 183—4.4)



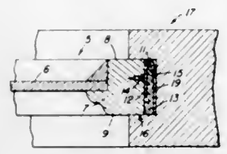
1. Apparatus for selectively adsorbing a gas from a gaseous mixture containing said gas comprising a container body, an end closure permanently secured to one end of said body, a removable end closure secured to the other end of said body, a rod connected to said first end closure and extending longitudinally of the container, means threadedly connected to the free end of said rod and bearing on the outer end of the removable closure and adapted to exert a pressure on the outer side of said removable end closure to force it against and in contact with said body portion, foraminous screens within said container and surrounding said rod for retaining a body of granular, solid material which selectively will absorb said gas from a gaseous mixture containing said gas, said solid material being disposed between said screens the screen adjacent the removable end closure being movable longitudinally of the container along said rod, and spring means interposed between said movable screen and the removable end closure for exerting a pressure against said movable screen to urge it in a direction towards said other screen to maintain the adsorbent material between said screens in a compacted condition.

2,586,671
LUBRICATING SYSTEMS
Elmer Landis, Clayton, Ohio, assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio
Application October 19, 1945, Serial No. 623,252
3 Claims. (Cl. 137—21)



1. In an oil tank for lubricating systems, means in said tank defining a path for flow of oil therethrough in by-passing relationship to oil in the tank proper, valve means having an oil inlet and two oil outlets one communicating with the tank proper and the other with said means and operable by the temperature of the oil to direct the same either to the tank proper or to said means, means for outlet of oil from the tank proper and from said flow path defining means, means for introducing a diluent into the oil, and a reservoir for diluted oil in said flow path defining means communicating at its bottom with said other oil outlet and overflowing at its top into the flow path defining means thereby to be maintained filled with oil by oil flowing through said flow-path.

2,586,672
COMBINATION SASH HOLDER AND WEATHER SEAL
Edward D. Lave, Chicago, Ill.
Application May 27, 1949, Serial No. 95,725
2 Claims. (Cl. 20—69)

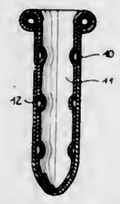


1. In a structure of the class described, in combination, a conventional-type slidable window sash including a sash frame and a window panel, a metal strip of a length corresponding to the length of one of the vertical rails of the sash frame, said strip being bent intermediate its respective longitudinal edges to provide a member of V-shaped cross-section embodying an attaching flange and a complemental friction flange, said friction flange being resilient, constituting a retention shoe and being of a width substantially equal to the cross-sectional thickness of said one vertical rail, said flanges being provided with coacting screw holes, said attaching flange being narrower than the friction flange, and a strip of compressible felt of a cross-section substantially equal to the cross-section of said one rail and substantially corresponding in width to the cross-sectional width of said friction flange and reduced in thickness to provide a wedge-shaped adapter, the latter overlying said attaching flange and thus projecting snugly into and filling the crotch of said V-shaped member, the inner longitudinal edge portion of said strip of felt projecting beyond the corresponding inner longitudinal edge of said attaching flange and being superimposed against and glued to the coacting edge surface of said one rail, said inner longitudinal edge being flush with the inwardly facing flat surface of said one rail, said friction flange being normally sprung, through the medium of its inherent resilient properties into spaced divergent relationship with the coacting surface of said felt strip and being adapted, when in use, to be forcibly pressed into firm direct contact with said coacting surface, whereby said felt strip shall be clamped between said one rail and said flanges.

2,586,673
MANUFACTURING PROCESS
Carl J. Linxweiler, Richard Y. Moss, and Jacob T. Welch, Dayton, Ohio, assignors to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application June 3, 1946, Serial No. 674,014
3 Claims. (Cl. 51—281)

1. The method of making a grinding wheel having an effective peripheral surface exactly complementary in shape to the effective peripheral surface of a first grinding wheel, comprising grinding a cutting tool with the entire effective surface of said first grinding wheel to produce on the cutting tool a complement of the entire effective surface of the grinding wheel, then in a turning operation cutting a rotatable crusher roll with said cutting tool to provide on said rotatable crusher roll a peripheral surface which is the same in form as the effective surface of the first grinding wheel, and running said crusher roll in peripheral pressure contact with and at substantially the same peripheral speed as a second grinding wheel to impress the form of the crusher roll into the peripheral surface of the second grinding wheel and thus form that surface exactly complementary to the shape of the effective peripheral surface of the first grinding wheel.

2,586,674
PROPHYLACTICS
Friedrich Lönne, Dusseldorf, Germany
Application November 16, 1949, Serial No. 127,592
In Switzerland November 19, 1948
6 Claims. (Cl. 128—294)



1. A prophylactic device comprising a thin rubber tube having an arcuate closed end, with a series of diagonally extending external hollow protrusions extending from the closed end of said tube and terminating adjacent the open end thereof when said device is in its relaxed condition, said protrusions being absorbed into the body of said tube when in use so that the body portion and protrusions combine to yield a smooth, tight fit, said protrusions comprising areas of reduced tension on the surface of said tube when in use to receive the discharged sperm and prevent said tube from being stretched beyond its elastic limit.

2,586,675
CHEWING GUM AND METHOD OF MAKING THE SAME
Wolfgang J. Lutz, Haag, Austria
No Drawing. Application February 15, 1949, Serial No. 76,640. In Austria February 21, 1948
10 Claims. (Cl. 99—135)

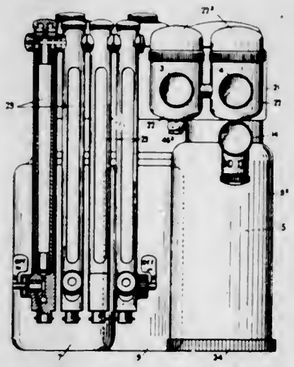
1. Chewing gum consisting of more than 50% gluten protein, and containing at least about 15% glycerine and flavoring material.

2,586,676
COAT
Wolfgang J. Lutz, Haag on the Hausruck, Austria
Application July 27, 1949, Serial No. 106,989
In Austria July 28, 1948
4 Claims. (Cl. 2—86)

4. In a long coat which opens in front and has a center slit in the back, means for converting the lower portion of the coat into a pair of trousers comprising a pair of slide fasteners, one for forming a left leg and the other for forming a right leg, each of said fasteners being secured on the inside surface of the coat and being wholly separable into two parts, one of which extends upwardly along the lower portion of the front edge of the coat and the other of which extends rearwardly along the bottom edge of the coat, terminating adjacent the back center slit.



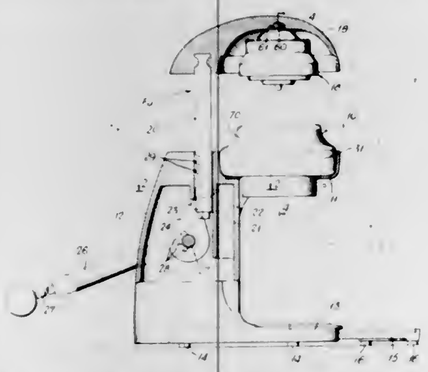
2,586,677
APPARATUS FOR THE ADMINISTRATION OF INHALANT GAS MIXTURES
Henry Rex Marrett, Coventry, England, assignor to Airmed Limited, Harcourt House, London County, England
Application February 26, 1948, Serial No. 11,124
In Great Britain November 6, 1946
13 Claims. (Cl. 128—188)



1. Apparatus for the administration of inhalent gas mixtures for anethetizing purposes, comprising, for use with a face-mask applicable to the patient; a patient's circuit including inspiratory and expiratory valves having connections for said mask, a vaporizer for a volatile liquid to be administered to the patient in a gaseous state, a carbon dioxide absorber, passages connecting the vaporizer and absorber and each with said inspiratory and expiratory valves, a rebreathing bag operatively connected by the passages connecting said vaporizer with said absorber and each with the two named valves, and control valves arranged in the several interconnecting passages for controlling the flow of gases therein between the vaporizer and absorber and between the respective first-named two valves; a basal gas circuit connected with said patient's circuit and including a second vaporizer for a second volatile liquid to be administered to the patient in a gaseous state, control valves in said basal circuit for controlling the flow of basal gas from its supply source into the patient's circuit and either through or past the second vaporizer, together with a flow meter for determining

the volume of basal gas supply feed from its source; and mean preventing admission of any of the basal gas into said second vaporizer before entry into the patient's circuit while the absorber of said patient's circuit is open therein to circulatory flow operation; the component elements of the two defined circuits being assembled in compacted close relationship to form a small portable unit in which the flow meter, the inspiratory and expiratory valves, and the rebreathing bag are visible together from a position in which all said valves are also operable by the administrator.

2,586,678
ICE CRUSHER
Frank N. Mariani, New York, N. Y.
Application August 26, 1947, Serial No. 770,743
4 Claims. (Cl. 241—84)



4. In an ice crusher, a shell, a grate within said shell and having a plurality of parallel spaced bars disconnected from each other but having their ends only merged with said shell, each of said bars having a plurality of spaced ice cracking teeth and spaced ice shaving teeth interposed integrally between and below said cracking teeth, said cracking teeth of each of said bars having top flattened faces and the top flattened faces of a bar being biased and at progressively higher elevations than the innermost top flattened faces of said last mentioned bar whereby said top faces slope upwardly and outwardly away from the central zone of said grate, a plunger removably receivable within said shell for cooperating with said grate and comprising an axially arranged depending spike and having a plurality of concentrically disposed depending and spaced ribs about said spike and arranged upwardly and outwardly relative thereto and in part constituting therewith and with each other a plurality of concentric and spaced channels disposed at progressively higher elevations than the lower part of said spike, said ribs having spaced lower flat substantially horizontal faces at progressively higher elevations than said lower part, and means for displacing said plunger relative to said grate.

2,586,679
SNAP HOOK
Ruth M. Martin, Los Angeles, Calif.
Application April 4, 1947, Serial No. 739,413
1 Claim. (Cl. 24—237)

A connector for detachably securing a spoon to the spindle shaft of a fish hook, comprising, a sleeve of coiled resilient wire having one end of the wire extended tangentially from one end of the sleeve, and looped upon itself at one side



of the sleeve so that its free end extends across and is urged against the other end of the sleeve.

2,586,680
POLYVALENT METAL TETRA-ISOBUTYL PHENOL SULFONIC ACID SALT PARASITICIDES
George L. Matheson, Union, and Louis A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 28, 1946, Serial No. 719,118
4 Claims. (Cl. 260—429)

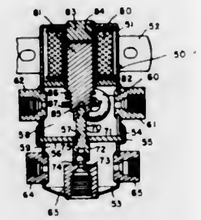
1. As a new composition of matter, a polyvalent metal salt of tetra-isobutyl phenol sulfonic acid, the metal constituent of said salt being selected from the group consisting of zinc, copper and iron.

2,586,681
HERBICIDAL COMPOSITIONS CONTAINING STILL BOTTOMS FROM ALCOHOL SYNTHESIS BY THE "OXO" PROCESS
John F. McKay, Jr., Cranford, Howard L. Yowell, Westfield, and Leo Z. Jasion, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 29, 1950, Serial No. 152,746
16 Claims. (Cl. 71—2.3)

1. A herbicidal composition comprising a solution in a major proportion of an aromatic petroleum oil of a minor proportion of a mixture of oxygenated organic compounds produced as a still bottoms product in a two-stage operation consisting of a first stage in which hydrogen, carbon monoxide and a C_7–C_{15} olefin are contacted in the presence of a carbonylation catalyst forming a product predominantly aldehyde and of a second stage, in which the said aldehyde product is catalytically reduced with hydrogen to form the corresponding alcohol and thereafter removing the major portion of low-boiling alcohol components by distillation, leaving behind the still bottoms product, said petroleum oil boiling in the range of 325°–600° F., and having a minimum aromatic content of 35 weight percent.

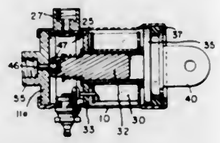
2,586,682
PUMP AND MOTOR HYDRAULIC SYSTEM
Stewart B. McLeod, Dearborn, Mich., assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application September 29, 1947, Serial No. 776,636
11 Claims. (Cl. 60—52)

1. A fluid power system comprising a reversible pump, a passage between opposite sides of said pump, a fluid reservoir connected to said passage, a normally open valve in said passage effective to close said passage to the pressure side of said pump and to open the passage between the reservoir and the suction side of said pump when said pump is operating, and to open the passage between the reservoir and both sides of said pump when said pump is idle, a valve body comprising a chamber having an intermediate partition provided with a by-pass port therethrough, a first pump conduit connecting one side of said pump to said chamber at one side of said partition, a second pump conduit connecting the other side of said pump to said chamber at the other side of said partition, a fluid motor, a first motor conduit connection at one side of said partition, a second motor conduit connecting the other side of said motor to said chamber at the other side of said partition, and a two-position valve in said chamber effective in the first position to close one of said pump conduits and in the second position to close said by-pass port.



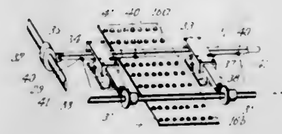
6. A fluid valve comprising a valve chamber having an intermediate partition provided with a port therethrough, pump connections at opposite sides of said partition, motor connections at opposite sides of said partition, and a two-position valve in said chamber effective in its first position to close one of said pump connections and in the second position to close said port.

2,586,683
SOLENOID VALVE ASSEMBLY
Stewart B. McLeod, Dearborn, Mich., assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application September 8, 1947, Serial No. 772,697
4 Claims. (Cl. 137—139)



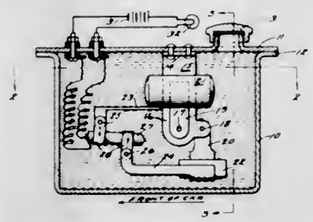
1. An electrically actuated valve comprising a unitary tubular casing open at both ends, an inwardly extending annular shoulder in said casing facing one end thereof, a partition in said casing seated against said shoulder in sealed relation to said casing, said partition having an opening therethrough forming a valve seat, a pair of stepped inwardly extending annular shoulders in said casing facing the opposite end thereof, the inner shoulder of said pair being of reduced diameter compared with the outer, a solenoid valve actuator assembly in said casing said assembly comprising a pair of stepped circular members seated against said pair of shoulders in sealing relation and a solenoid actuated valve cooperable with said valve seat, and a fluid port in the side of said casing intermediate said partition and the inner circular member of the solenoid valve actuator assembly.

2,586,684
METHOD OF AND MEANS FOR MAKING A DECORATIVE OR DISTINCTIVE MARKING ON CHOCOLATE, CARAMEL, ICING, AND LIKE CONFECTIONERY SUBSTANCES
John Percy McNamara, Dunedin, New Zealand, assignor of one-third to Romisons Confectionery Limited, Dunedin, New Zealand, a corporation of New Zealand
Application October 3, 1945, Serial No. 620,063
In New Zealand July 7, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 7, 1964
18 Claims. (Cl. 107—54)



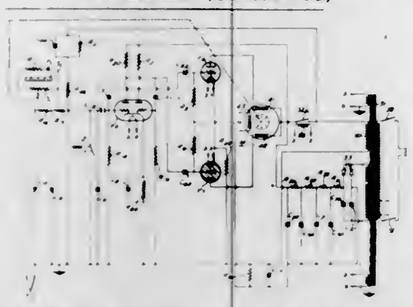
1. A continuous method of making predetermined clearly defined markings on chocolate, caramel, icing, and like confectionery substances which pass through a plastic state prior to hardening including passing the substance to be marked while in a plastic state along a predetermined path, directing a jet of air across the path of movement of the substance and moving the jet of air in a predetermined path as the substance moves past the same to indent the surface of the substance to produce the clearly defined marking.

2,586,685
DECELERATION SIGNAL
Robert P. McNerney, Sharpsville, Pa., assignor of fifty per cent to Charles J. Songer, Farrell, Pa.
Application July 9, 1951, Serial No. 235,782
2 Claims. (Cl. 200—52)



1. A deceleration signal comprising a liquid filled housing having a removable closure forming its top portion, a body member on said closure including spaced depending portions and pivot pins spacing said depending portions adjacent their lowermost ends, an arm pivoted to one of the pivot pins between the depending portions of the body member and a float secured to the upper end of said arm so as to maintain the same in normal vertical position, a secondary arm pivoted to the other of said pivot pins and a weight secured to the lower end of said secondary arm so as to maintain the same in normal vertical position, a lever secured to the float and extending outwardly therefrom and a secondary lever secured to the weight and extending outwardly therefrom, a mercury switch pivotally secured between the ends of said lever and secondary lever so as to receive upward and downward movement as occasioned by the movement of said float and weight responsive to inertia overcoming the normal floating position of the float and the normal suspended position of the weight.

2,586,686
OSCILLATOR-CONTROLLED REBALANCE MEASURING SYSTEM
Reginald Stuart Medlock, Luton, England, assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 24, 1947, Serial No. 730,523
In Great Britain March 7, 1946
10 Claims. (Cl. 171—95)



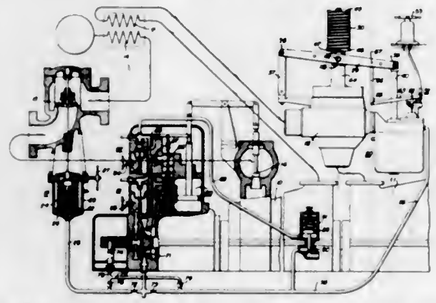
5. A system for measuring electrical quantities, comprising a self-excited oscillation generator for generating oscillations, an output circuit for said generator, an input circuit for said generator including a balanceable network having condition-responsive means for unbalancing the network in accordance with change in the magnitude of a condition, a periodically operable circuit-controller for first changing the connections of the input circuit to suppress oscillation of said generator, and for then changing the connections of said input circuit to develop in said input circuit said unbalance in the form of a pulse whose magnitude is a function only of the magnitude of said unbalance existing when said circuit-controller changes said connections for developing in said output circuit pulses of oscillatory energy related in magnitude to the magnitude of the applied pulses, and means included in said output circuit responsive to the amplitude of the oscillatory pulses developed therein.

2,586,687
CLOSURE CAP FOR LIQUID SPRAY CONTAINERS
Russell Mellon, Sloatsburg, N. Y.
Application May 27, 1950, Serial No. 164,807
4 Claims. (Cl. 299—97)



1. Closure means for a bottle having an externally threaded neck closed by an apertured plug through which the tube of a pump is slidably extended and a discharge housing on the top end of the tube, said closure means comprising a hollow cap fitted over the top of the discharge housing and having internal threads engaging the external threads of the neck, said cap having a top wall spaced from the plug a distance less than the normal distance between the plug and the top of the housing so that said cap holds the tube and housing in a lowered position in which the bottom end of the housing is spaced slightly from the top of the plug, means within said cap holding the plug against accidental discharge from the neck, and means on the tube in the space between the plug and the housing sealing the passage of the tube through the plug.

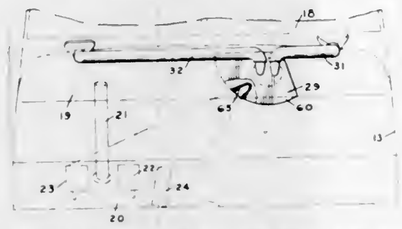
2,586,688
AUTOMATICALLY AND MANUALLY CONTROLLED SERVOMOTOR FOR INTERCEPTOR VALVE OF TURBINE AND REHEATER APPARATUS
Frank A. Meyer, Sharon Hill, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 16, 1948, Serial No. 60,278
3 Claims. (Cl. 121—41)



1. In a servo-motor for operating a main valve and comprising a main valve operating member, spring means acting on the operating member in a main-valve-closing direction, an operating piston, linkage means connecting the operating piston and the operating member, an operating cylinder for the piston and cooperating with the latter to provide pressure and drain spaces at opposite sides thereof with the pressure space at the side for pressure therein to move the piston for moving said operating member in a main-valve-opening direction against the spring means, means including an orifice for supplying liquid under pressure to said operating pressure space, a discharged valve movable to place the operating pressure and drain spaces in communication and to interrupt such communication, follow-up means connecting the linkage means and the discharge valve and operative to provide for liquid under operating pressure acting on the operating piston to move the latter to move the operating member in the main-valve-opening direction against the force of the spring means until discharge of liquid from said operating pressure space reaches a value such that the force of the operating piston acting on the main valve operating member balances that of the spring means acting thereon, an escape valve between said operating pressure and drain spaces, manual means for adjusting the follow-up means to initiate movement of the discharge valve to alter the balanced relation of forces applied to the main valve operating member to move the latter with movement thereby, through the follow-up means, of the discharge valve until the balanced relation of forces acting on the main valve operating members is restored, and means for moving the escape valve to place the operating

pressure and drain spaces in communication and to interrupt such communication and comprising opposed pressure areas provided thereon with one of the areas subject to pressure of liquid supplied to the orifice and the other thereof subject to pressure of liquid in the operating pressure space and the areas having such relation that, as long as the supply pressure is higher than the operating pressure space pressure, the escape valve is held closed, but, upon decline of supply pressure below the operating pressure space pressure, the escape valve opens to provide for rapid closing of the main valve by the spring means.

2,586,689
AUTOMOBILE HEATER STRUCTURE
Merritt A. Mieras, Detroit, and Alfred F. Millington, Northville, Mich., assignors to Novi Equipment Company, Novi, Mich., a corporation of Michigan
Application February 17, 1947, Serial No. 729,128
2 Claims. (Cl. 237—12.3)



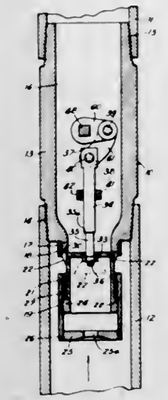
1. A heater structure for use with a motor vehicle, comprising a register upon the dash panel of the vehicle and opening downwardly over a wide arc including the accelerator pedal of said vehicle, means for supplying heated air to said register, and an inverted substantially V-shaped baffle rigidly mounted within said opening for deflecting heated air away from said accelerator pedal as it is discharged from said opening so that the driver's foot on said pedal will not be subjected to any uncomfortable direct discharge of heated air from said register.

2,586,690
POUR DEPRESSANTS
Louis A. Mikeska, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 29, 1948, Serial No. 30,180
4 Claims. (Cl. 260—609)

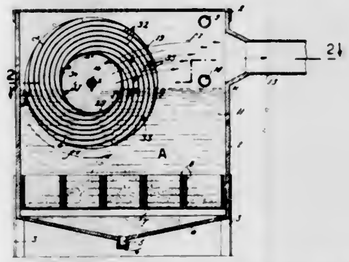
1. A process which comprises modifying a Friedel-Crafts condensation product of a chlorinated wax and phenol, said condensation product having a molecular weight of at least 400, by reacting said condensation product with a beta-chloroethyl thioether containing an alkyl group having from 8 to 18 carbon atoms in the presence of aluminum chloride.

2,586,691
EXCESS FLOW CHECK VALVE
Ellsworth L. Mills, Highland Park, and Raymond R. Zimmer, Chicago, Ill., assignors to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application June 26, 1947, Serial No. 757,118
12 Claims. (Cl. 137—153)

1. In an excess flow check valve the combination including a hollow cylinder, a plurality of triangular shaped valve ports for the passage of fluid through the walls of said cylinder, a valve seat adjacent said valve ports disposed on a plane transverse to the axis of said cylinder, a valve member movably mounted in said cylinder for closing said ports and sealing against said seat when in one position, said member being so disposed as to be subjected to the force of the flowing fluid, a spring for urging said member to a second position, said spring being so formed as to yield when the force of the flowing fluid exceeds a predetermined value, and means for conducting an annular stream of fluid to said ports outside of said cylinder, said ports having the base portions of the triangles disposed so that motion of said member from said second position in the direction of said first mentioned position closes off the base portion of said ports first finally closing off the apexes of the triangular ports.



2,586,692
FILTER
Stanislas Morel, Paris, France
Application November 22, 1946, Serial No. 711,615
In France November 30, 1945
3 Claims. (Cl. 261—92)



1. Apparatus for filtering a gas by means of a liquid, said apparatus comprising in combination: a fluid-tight container containing liquid and provided on the one hand with an inlet for the gas to be filtered and an outlet for the filtered gas, said inlet and outlet being located in two adjacent walls at right angles of said container substantially at the same level and, on the other hand, with a liquid inlet disposed near the top of the container and a liquid overflow outlet disposed slightly below the level of said gas inlet and outlet, a rotatable driven shaft in said container, the axis of said shaft being substantially at the same level as said liquid outlet, and a filtering drum secured on said shaft and formed by two end plates, one of which is provided with an

aperture communicating with said gas inlet, and by perforated filtering walls wound into superposed spirals extending substantially around said shaft between said end plates to form spiral spaces which open into the interior and at the periphery of said drum, said shaft and drum having such a direction of rotation and being placed with respect to said outlet of the filtered gas so that the gas crosses radially through said perforated walls in the portion of said drum which is just emerging from the liquid.

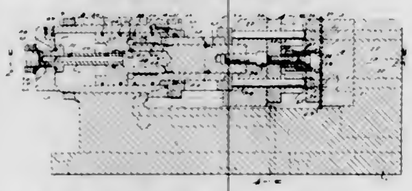
2,586,693
LUBRICATING GREASE
Arnold J. Morway, Rahway, and Louis A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 1, 1949, Serial No. 124,941
7 Claims. (Cl. 252—41)

1. An improved lubricating composition which comprises a major proportion of a lubricating oil thickened to a grease consistency with the alkali metal soaps of a mixture of about 2.25% to 17% by weight of a high molecular weight substantially saturated fatty acid having from 16 to 20 carbon atoms, from about 0.5% to 4.0% by weight of a low molecular weight fatty acid having from 1 to 4 carbon atoms, and about 0.25% to 2% by weight of an aryl-aliphatic acid containing in the aliphatic portion a hydrocarbon chain of from 8 to 20 carbon atoms.

2,586,694
CATALYTIC DEHYDROGENATION OF ALCOHOLS TO CARBONYL COMPOUNDS
Henry O. Mottern, Bloomfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 23, 1948, Serial No. 45,798
8 Claims. (Cl. 260—596)

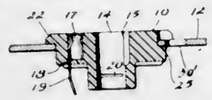
1. A process for converting saturated aliphatic alcohols to saturated carbonyl compounds which comprises passing a saturated aliphatic alcohol over a dehydrogenation catalyst consisting essentially of a mixture of component A selected from the group consisting of zinc oxide, magnesium oxide and beryllium oxide, 1 to 15% of component B selected from the group consisting of zirconium oxide, cerium oxide and thorium oxide based on the total weight of the mixture, and 6 to 10% of at least one component C selected from the group consisting of silicon oxide, iron oxide, and aluminum oxide based on the weight of component B.

2,586,695
HYDRAULIC PUNCH AND STRIPPING DEVICE
Otto Mueller, Dearborn, Mich.
Application August 11, 1947, Serial No. 767,963
17 Claims. (Cl. 164—95)



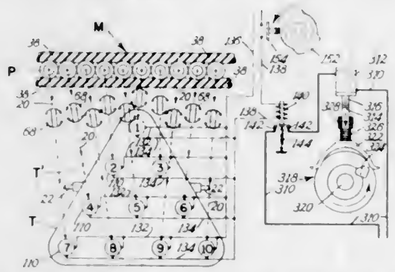
1. In a device for performing a punching and stripping operation, a punch carrying piston and piston rod, a stripper carrying piston and rod telescoped over said first rod, with the pistons having the same diameter, a cylinder in which the pistons operate in unison and relative to each other, said device incorporating means for conducting a fluid to the working end of the punch carrying piston, means for conducting a fluid between the pistons, and means for conducting a fluid from between the pistons to the retracting end of the stripper carrying piston after the pistons have been separated a predetermined amount to thereafter move both pistons simultaneously within the cylinder while maintained in separated relation.

2,586,696
RADIO TUBE SOCKET MOUNTING
Edgar K. Nauth, Kenmore, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y.
Application December 9, 1948, Serial No. 64,336
4 Claims. (Cl. 173—339)



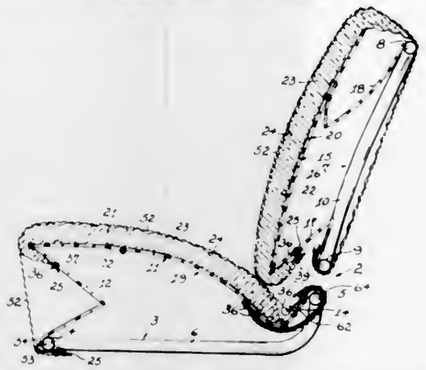
1. A socket device including a body of insulating material in the form of a short flanged cylinder and having a number of contact clips secured therein, there being a number of longitudinal recesses in the outer surface of said body and passing through said flange, each of said recesses terminating in a flat step at a distance from the inner side of said flange equal to the thickness of a mounting plate into which said body is to be secured, and a mounting plate into which said body is to be secured, said plate having an aperture therein of a diameter adapted to pass the cylindrical part of said body, said plate being provided with a number of holes distributed about said aperture and closely adjacent thereto, said holes being adjacent said recesses, the material of said plate between said holes and said aperture being swaged into said recesses whereby said body is retained in said aperture.

2,586,697
BOWLING PIN SPOTTING MECHANISM
Peter M. Nejedly and Axel B. Johansson, Brooklyn, N. Y., assignors to American Machine and Foundry Company, a corporation of New Jersey
Application November 27, 1945, Serial No. 631,094
3 Claims. (Cl. 273—43)



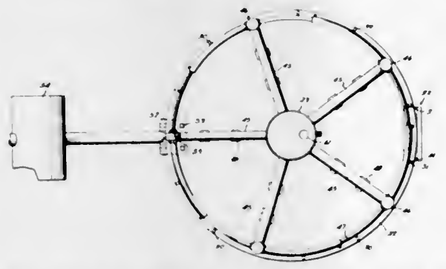
1. In a bowling pin setting machine having a cycle during the operation of which bowling pins are delivered to pin spotters on a pin spotter frame and placed thereby in playing position upon a bowling alley, operating means for said machine, mechanism operative during said portion of said cycle for determining the presence or absence of a bowling pin in each of said spotters, said mechanism including a pin engaging and detecting device mounted on each of said spotters, means positioning each of said devices for engagement by the handle end of a pin placed in a spotter, and means actuated by said detecting devices during the operation of said mechanism for stopping said machine operating means in response to the absence of a bowling pin from any of said spotters.

2,586,698
PADDING AND COVER MEMBERS FOR UPHOLSTERED SPRING STRUCTURES
William H. Neely, Cleveland, Ohio, assignor to The Universal Wire Spring Company, Cleveland, Ohio, a corporation of Ohio
Application December 26, 1945, Serial No. 637,220
7 Claims. (Cl. 155—179)



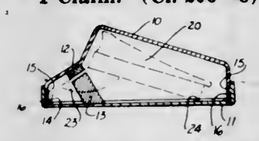
1. In an upholstered spring structure a spring construction assembled from a plurality of wire springs, a pad having a burlap base member seated on said spring construction, said burlap member including a stiffened, perforated border strip, and individual, elongated wire means having hook portions between their ends, said hook portions of said wire means being freely extended through the perforations in said border strip and hooked to the springs of said spring construction to removably attach said pad to the springs of said spring construction.

2,586,699
REVOLVING STORAGE BIN
Lawrence J. Nixon, Pittsburgh, Pa.
Application May 5, 1947, Serial No. 746,144
1 Claim. (Cl. 211—163)



An ingot holder comprising a supporting base, a platform journaled on said base and positioned to rotate in a horizontal plane thereon, supporting elements for carrying pigs positioned on said platform, a banking block having open slots in the ends mounted on said base, telescoping members positioned in said banking block, a spring in the telescoping members of the banking block for urging the telescoping members toward the ends of the block, said platform having spaced radially disposed holes therethrough and said holes positioned to correspond with the slots in the end of the block, pins with beveled lower ends and having heads on the upper ends adapted to be positioned in said holes of the platform, and spring fingers mounted adjacent said holes and adapted to extend inwardly under the heads of pins positioned in the holes, said spring fingers retained in position under the heads of the pins by the weight of the pins whereby upon engagement of the beveled lower ends of the pins with the upper edges of the ends of the banking block the pins are elevated and ride over the upper surface of the banking block thereby releasing the spring fingers so that upon reaching the far end of the block the pins drop to co-act with a following pin dropped through the next hole of the platform by hand for arresting and locking said platform.

2,586,700
PROTECTIVE HAT CONTAINER
John D. Noble, Kermit, Tex.
Application July 24, 1951, Serial No. 238,288
1 Claim. (Cl. 206—8)



A plastic cap container comprising a rigid substantially circular base portion having upright walls and a rigid cover therefor having walls telescoping within the walls of the base and removably locked thereto, a sealing gasket positioned between the free edge of the walls of the cover and the base, a resilient outwardly inclined visor supporting block secured to the inner surface of the base, and a resilient block secured to the inner surface of the cover and projecting toward the free end of the first named block and cooperating therewith to clamp therebetween the visor of a cap adapted to be contained within the container.

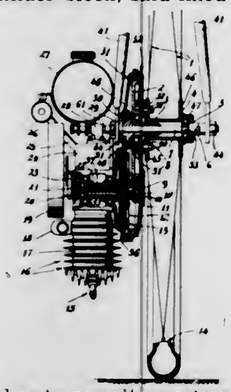
2,586,701
TOBACCO
Sereno G. Norton, Brunswick, Ga.
No Drawing. Application February 5, 1949, Serial No. 74,857
2 Claims. (Cl. 131—17)

1. Smoking tobacco containing 0.05 to 2.0% of terpin hydrate.

2,586,702
AUTO CYCLE AND LIKE POWER ASSISTED VEHICLE AND MOTOR FOR SUCH VEHICLE
Nicolas Obram, Liege, Belgium
Application January 15, 1948, Serial No. 2,364
In Belgium January 20, 1947
1 Claim. (Cl. 180—33)

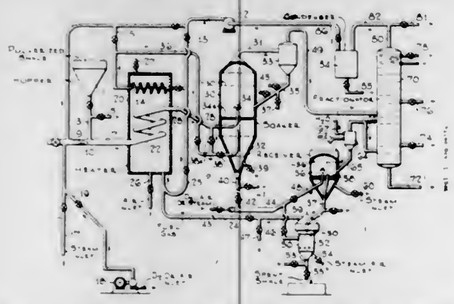
In the combination which comprises an internal combustion engine having a crank-shaft and a cylinder block, a reduction gear comprising at least two intermediate pinions, a driven wheel, a closed casing rigidly connected to the block and containing the gear, said two intermediate pinions of the gear being mounted side by side on a separate shaft parallel to the motor crank-shaft and to the wheel axis, means for selectively inter-

engaging or disengaging said two intermediate pinions comprising a conical clutch and a control member therefor, the cylinder block being provided with means for mounting the motor outside the rear fork of a bicycle with the casing inside the fork, the improvement comprising an output hub for the gear extending through the casing, a wheel hub comprising a first flange connected to the output hub and a second flange having an inner recess, a first ball-bearing located in said recess, a fixed shaft extending through the casing and supporting the ball-bearing, the output hub and the cylinder block, said fixed shaft being so



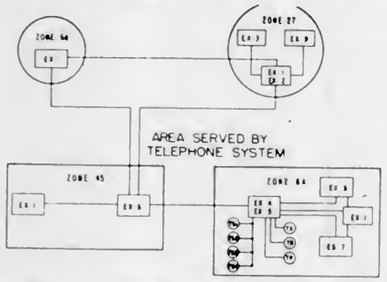
dimensioned as to permit insertion thereof in the rear fork of standard cycles, the first ball-bearing being supported at one end of the fixed shaft, the intermediate part of the shaft being provided with a coaxial sleeve having a flange extending therefrom, means rigidly connecting the flange of the sleeve to the casing, and a second ball-bearing supported on the sleeve and in turn supporting the output hub, thereby providing a first support for the connected cylinder block and reduction gear in the cycle fork, the other end of said fixed shaft extending outside of the fork and having means connected thereto for suspending the cylinder block.

2,586,703
SHALE DISTILLATION
William W. Odell, Washington, D. C., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 1, 1946, Serial No. 707,065
3 Claims. (Cl. 202—19)



1. In the process of producing hydrocarbons from carbonizable minerals by preheating and distilling said minerals at a carbonization temperature in the form of subdivided fluidized solids, the improvement which comprises passing the entire charge of fresh carbonizable minerals as an extended confined stream of fluidized subdivided solids, said stream having an apparent density of about 1–20 lbs. per cu. ft., upwardly through a heating zone, externally heating said stream to a temperature of from about 300–550° C. during a time period of from 10–60 seconds, passing the heated carbonizable minerals from an upper portion of said stream into an enlarged distillation zone, maintaining said carbonizable minerals in said distillation zone in the form of a dense turbulent fluidized bed having an apparent density of about 10–30 lbs. per cu. ft., maintaining a stripping zone directly beneath and in open communication with said distillation zone, passing a hot gas into said stripping zone and thereafter into said distillation zone to maintain the latter zone at temperatures of from about 25–50° C. above those prevailing in said confined stream, maintaining the carbonizable minerals in said distillation zone for a period of time of from about 10–60 seconds, but for an insufficient time period to cause substantial cracking of volatile distillation products, withdrawing solids distillation residue from a lower point of said distillation zone, passing said solids residue into said stripping zone, passing said residue in non-fluidized form downwardly through said stripping zone countercurrent to said upwardly moving hot gas whereby volatile material is stripped from said solids residue and recovering for product, volatile distillation products from an upper point of said distillation zone.

2,586,704
MESSAGE DATA RECORDING TELEPHONE SYSTEM
John E. Ostline, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application August 6, 1942, Serial No. 453,799
53 Claims. (Cl. 179—7.1)

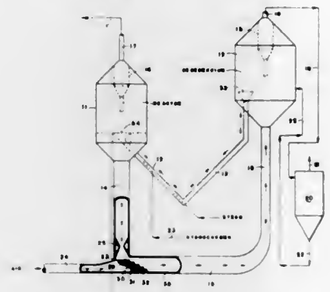


1. In a telephone system provided with lines of first and second classes, a called line, switching apparatus, means for connecting a calling one of said lines to said switching apparatus, two multiple routes, means governed in accordance with the class of said calling line, means governed by said last-mentioned means for selectively controlling the operation of said switching apparatus to extend the connection over one of said two multiple routes to said called line, means controlled only in the event said connection is extended over a given one of said two routes, and means governed by last-mentioned means for making a special charge for said connection.

12. In a telephone system, a calling line, a called line, a plurality of trunk circuits each having an identification individual thereto, switching apparatus for setting up a connection from said calling line by way of an idle one of said trunk circuits to said called line, means for registering certain items of record information pertaining to said connection, including the identification of said one trunk circuit and means for recording in conjunction with said connection said certain items of record information pertaining thereto including the identification of said one trunk circuit registered in said last-mentioned means.

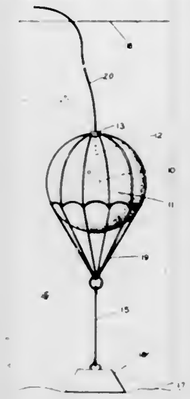
26. In a telephone system including a plurality of lines, switching apparatus for setting up connections between said lines, a plurality of registers, and means for collecting certain items of record information in conjunction with each of said connections and for storing the collected items in an idle one of said registers, whereby said registers are operated to store the items collected in conjunction with corresponding connections; a printer, means for connecting said printer to an operated register, means normally controlled when said printer is connected to a given operated register, means governed by said last-mentioned means for operating said printer to print certain of the items stored in said given operated register, means controlled by the failure of said printer to operate, and means governed by said last-mentioned means for producing an indication of such failure.

2,586,705
MEANS FOR DISTRIBUTING SOLIDS IN GASES IN CATALYTIC APPARATUS
Jewell S. Palmer, Wooster, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application February 14, 1948, Serial No. 8,336
3 Claims. (Cl. 23—288)



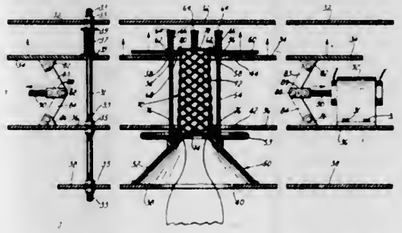
1. In a catalytic cracking apparatus including a reaction chamber and a regeneration chamber and a conduit connecting said reaction chamber to said regeneration chamber, a vertical conduit from said reaction chamber, a second conduit attached to the lower end of said vertical conduit transverse the vertical conduit and defining a passage from said reaction chamber to said regeneration chamber, a partition member in said second conduit located at a point below the point of attachment of said vertical conduit to said second condit, and parallel baffle plates depending from and attached rigidly to said partition member and to the inner walls of said second conduit, said baffle members being arranged in step-like fashion with the downstream end of each baffle member projecting into said second conduit further than the corresponding end of the baffle member above it and each baffle member forming an angle less than 180° but greater than 90° with said partition member.

2,586,706
SEISMIC SURVEYING
Josephus Overton Parr, Jr., San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application January 12, 1949, Serial No. 70,402
9 Claims. (Cl. 181—.5)



3. In apparatus for propagating seismic waves in underwater formations, the combination with the explosive charge, of a casing containing a gaseous medium, means suspending said charge in said casing and in said medium, and means for detonating said charge, said casing comprising a bell having an open bottom whereby the energy released by the explosion is reflected downwardly, and baffle means within said bell and below said explosive charge to impede downward dissipation of unreflected energy.

2,586,707
BOWLING PIN SPOTTING AND RESPOTTING APPARATUS
Morehead Patterson, New York, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey
Application April 3, 1946, Serial No. 659,366
8 Claims. (Cl. 273—42)



1. In a bowling pin setter for use with a bowling alley, the combination with a table adapted to be moved to and from said alley, and a support on said table, of a pin guide funnel loosely mounted on said support and arranged for lateral movement thereon relative to an on or off-spot pin standing on the bed of a bowling alley, a grip composed of a plurality of strands interwoven diagonally about a common axis to form an elongated open mesh gripping cage wherein said strands are constructed and arranged for relative gripping movement, means mounting one end of said cage on said funnel in position to receive and encircle the handle end of a standing pin, an actuating device attached to the other end of said cage, means on said table adapted to engage

said device, means on said table adapted to engage said funnel, mechanism for effecting relative separating movement between said device engaging means and said funnel engaging means for stretching and constricting said strands into gripping engagement with the handle end of a pin encircled by said cage, and means for subsequently effecting relative movement of said device engaging means and funnel engaging means towards each other for compressing said cage and releasing said strands to free said pin from said grip.

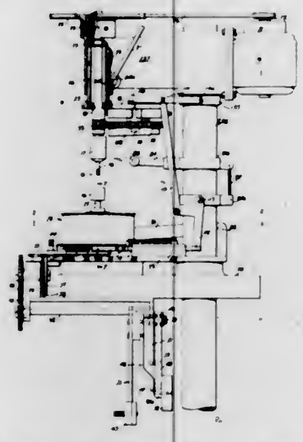
2,586,708

TORQUE TESTING INSTRUMENT FOR SELF-LOCKING NUTS, ETC.

William H. Petit, Pasadena, Calif., assignor to Clary Multiplier Corporation, Los Angeles, Calif., a corporation of California

Application March 7, 1949, Serial No. 79,945

13 Claims. (Cl. 73—99)



1. In a device for testing nuts and the like; the combination comprising a holder for a nut, a holder for a screw member to be threaded into said nut, means supporting said holders for relative rotation and for relative axial movement in relation to each other whereby to enable said screw member to be threaded into and out of said nut, a support for a record material, a support for maintaining a scriber in scribing relation to the record material, means comprising a cam device moved in accordance with the relative movement of said screw member into and out of said nut and a cam follower device operatively connected to one of said supports for causing relative movement of said supports in one direction in timed relation to the movement of said screw member into said nut and for causing relative movement of said supports in an opposite direction in timed relation to the movement of said screw member out of said nut, and means responsive to the torque developed between said nut and said screw member during movement of said screw member into said nut for causing relative movement of said supports in a third direction by an amount indicative of the magnitude of said torque, said last mentioned means being responsive to torque development between said nut and said screw member during movement of said screw member out of said nut for causing said relative movement of said supports in a direction opposite to said third direction by an amount indicative of the magnitude of said last mentioned torque.

2,586,709

METHOD FOR SUPPRESSING THE CORROSION OF COPPER-CONTAINING ALLOYS IN THE PRESENCE OF AMMONIUM SALTS

Cecil Phillips, Jr., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

No Drawing. Application August 3, 1949, Serial No. 108,431

2 Claims. (Cl. 23—50)

1. A method for reducing the corrosive action of a corrosive solution including water, oxygen, and ammonium salt to an article having a corrodible surface consisting predominantly of copper with minor amounts of tin and zinc in contact with said solution which comprises introducing into said solution an amount of an alkali metal salt of an oil soluble petroleum sulfonic acid sufficient to inhibit the corrosion thereof.

2,586,710

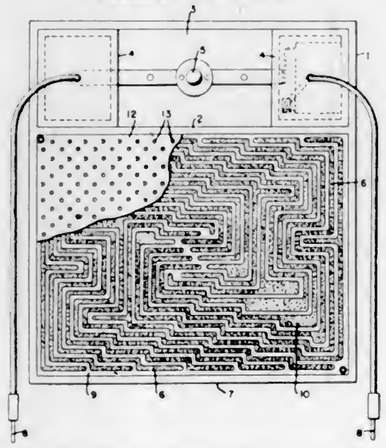
EDUCATIONAL DEVICE

Arnost Pick, New York, N. Y., assignor to J. W. Spear & Sons Limited, Enfield, Middlesex, England, a British company

Application March 15, 1949, Serial No. 81,510

In Great Britain March 17, 1948

7 Claims. (Cl. 35—9)



1. An educational device comprising a plate having a labyrinth pattern of individual contact strips varying in length and tortuously disposed in nested array on the face of said plate, said strips being electrically conductive and forming respective continuous exposed contact areas, an insulating plate overlaying said strip pattern and having a plurality of perforations therethrough registering with respective strips so as to provide access to each of said strips through a plurality of selective pairs of perforations for establishing a series circuit through the respective included portions thereof.

2,586,711

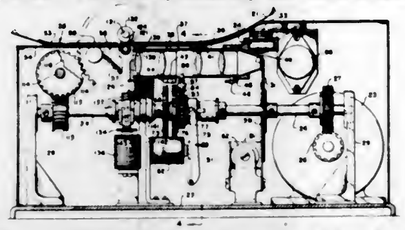
SCANNING SYSTEM AND APPARATUS

Louis M. Potts, deceased, late of Evanston, Ill., by Martha W. C. Potts, executrix, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Original application June 4, 1947, Serial No. 752,512. Divided and this application November 5, 1948, Serial No. 58,505

20 Claims. (Cl. 178—17)

1. In a photoelectric transmitting apparatus, a page form supporting means adapted to receive a page form having transverse lines of code mark combinations thereon, an optical system including a pivoted projector for scanning said code marks, means for intermittently advancing said projector to scan sequentially the individual code



mark combinations of a line of said code mark combinations, light sensitve means operable in accordance with the sequential scanning of said code marks by said optical system, and transmitting means associated with said light sensitive means for transmitting signals in accordance with the operation of said light sensitive means.

2,586,712

UNDERPINNING OF BUILDINGS

Fordham Pryke, London, England

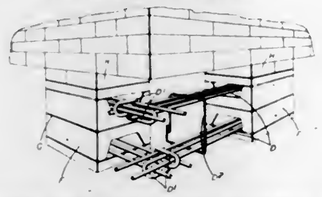
Application August 5, 1947, Serial No. 766,364

In Great Britain August 29, 1945

Section 1, Public Law 690, August 8, 1946

Patent expires August 2, 1965

7 Claims. (Cl. 61—51)



1. A method of underpinning buildings, according to which spaced small portions of a damaged substructure to be replaced are first removed, supporting piers having substantially horizontal passages running in the direction of the wall are then erected in the openings thus formed to act as shoring supports for the building, the remaining portions of the damaged substructure are then removed, metal reinforcing rods are then threaded through the hollow passages in the supporting piers, and the openings from which the remaining portions of the substructure were removed, the individual rods extending into at least a plurality of the piers, and the whole is then embedded in concrete to form the final beam-like underpinning structure, the supporting piers which originally acted as shoring supports during removal of the remaining portions of the damaged substructure thus forming an integral part of the final underpinning structure.

2,586,713

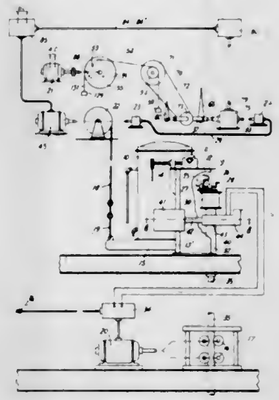
APPARATUS FOR CONTROLLING THE RATE OF POURING FLUID MATERIAL FROM ONE CONTAINER INTO ANOTHER

Temple W. Ratcliffe and Sidley O. Evans, Beaver Falls, Pa., assignors, by mesne assignments, to The Babcock & Wilcox Company, Jersey City, N. J., a corporation of New Jersey

Application July 29, 1949, Serial No. 107,506

6 Claims. (Cl. 22—57.2)

5. In apparatus for transferring molten metal from a tiltable container into a mold and withdrawing the casting from such mold as the metal is at least partially solidified, mechanism operable to tilt the container; a device providing a measure of the actual pour rate from the tilting container; a device providing a measure of an optimum pour rate from the tilting container; deviation determining means conjointly controlled by both of said measuring devices to operate only upon a deviation of the



measured actual pour rate from the measured optimum pour rate; speed control means for said mechanism; and means operatively connecting said determining means to said speed control means and constructed and arranged to operate the latter, upon occurrence of any such deviation, to vary the speed of said mechanism in a direction to restore correspondence between the measured actual pour rate and the measured optimum pour rate.

2,586,714

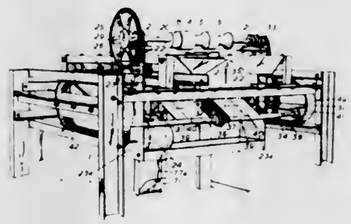
MACHINE FOR MAKING ROOFING TILES

Ronald Herbert Richardson, Hugglescote, and Thomas Harold Wilson, Coalville, England, assignors to Pegson Limited, Coalville, England, a British company

Application December 14, 1950, Serial No. 200,776

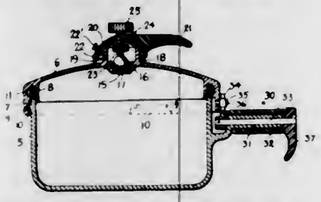
In Great Britain December 16, 1949

18 Claims. (Cl. 25—43)



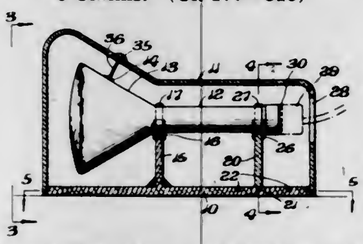
1. A machine for making a roofing tile having at least one longitudinally extending tapered rib, said machine including, in combination, a shaping member profiled to conform substantially with the form of at least the ribbed portion of the top surface of a tile at the end thereof where the tapered rib is widest, means for the support of a pallet carrying concrete to be formed into the tile, and means for effecting relative movement both longitudinally and laterally between the said shaping member and a pallet.

2,586,715
PRESSURE COOKING DEVICE
Sanford E. Richeson and Joseph A. Allegro, New York, N. Y., assignors of one-third to Louis C. Huber, Ridgewood, N. J.
Application March 15, 1947, Serial No. 734,977
4 Claims. (Cl. 220—40)



1. A pressure cooker comprising a vessel of generally cylindrical shape open at the top, a handle extending from the side of the vessel, a cover for the vessel, lugs extended outwardly from the sides of the vessel secured thereto, a depending flange at the periphery of the cover integral therewith arranged to extend over the lugs, shelves extended inwardly from the flange and positioned to engage the lugs when the cover is rotated into its locked position, a roller supported on said flange, a fork engaging the roller, a shaft supporting the fork and secured thereto for pivoting the fork in unison with the shaft, said shaft being axially rotatably supported by the handle, and means at a portion of the shaft extended beyond the handle for manually rotating the shaft with the fork, thereby rotating the cover into its locked position on the vessel.

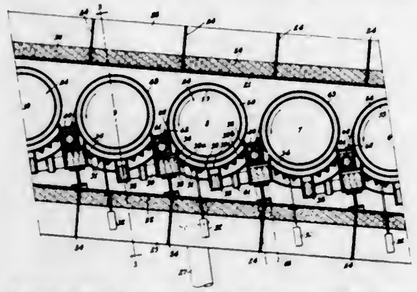
2,586,716
PROTECTIVE COVER FOR TELEVISION TUBES
Edward A. Ried, Jr., Camden, N. J.
Application August 19, 1949, Serial No. 111,117
6 Claims. (Cl. 177—316)



3. A protective casing for television tubes comprising a base, brackets on the base for supporting the tube from below, means for holding the tube on the brackets, and a cover of transparent material dimensioned to fit over the base and receive the tube, said cover having a contact on the outer surface thereof and a conduit inside the cover connected to said contact and adapted to engage a contact on the outer surface of the tube.

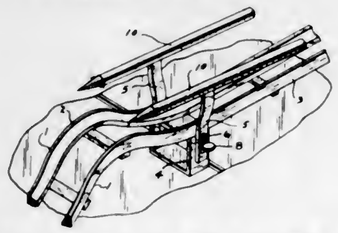
2,586,717
METHOD AND APPARATUS FOR THE SEPARATION OF ISOTOPES, ETC., BY MOLECULAR DISTILLATION
Thomas Robinson, New York, N. Y., assignor to Micromax, Inc., New York, N. Y., a corporation of New York
Application October 27, 1949, Serial No. 123,914
16 Claims. (Cl. 202—52)

2. Process of rectifying a liquid mixture by molecular distillation in a series of consecutive stages, which comprises flowing a portion of the liquid mixture by gravity in a moving film over a stationary inclined heated surface, the temperature of the surface being controlled to cause molecules of at least one of the constituents of the liquid mixture to leave said film, condensing the resulting vapor on a second surface which is equidistantly spaced from the heated surface within the path of travel of said molecules, the temperature of the second surface being controlled to condense said vapor, continually moving said condensing surface relative to the heated surface, the movement of the condensing surface having an upward component to lift the condensed liquid to a higher level, removing the condensed liquid from the condensing surface by gravity at said higher level, collecting the unevaporated residue of the liquid mixture and mixing at least a part of said residue with the condensate from a like stage which is lower in the series and is separated by at least one intervening stage from the stage from which said residue is collected.



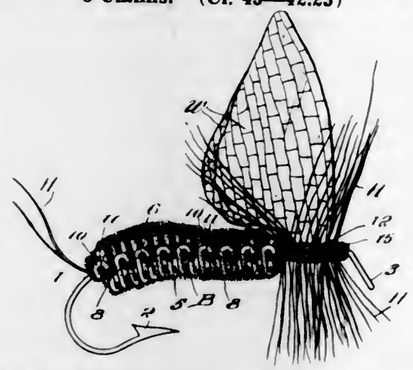
5. Apparatus for rectifying a mixture of liquids by molecular distillation, comprising a concave cylindrical surface having higher side portions sloping toward a lower apertured central portion, means for feeding liquid uniformly to said higher side portions so as to flow toward the apertured central portion, a receptacle for liquid discharged through the apertures of the central portion, means for heating said surface to cause molecules of at least one of the constituents of the liquid to leave the liquid surface, a condensing cylinder rotatably mounted approximately coaxially with the heated surface, with a uniform space between the cylindrical surfaces not greater than the path of said molecules, means for cooling the condensing cylinder to a temperature below the condensation temperature of said liquid, means for rotating said condensing cylinder and means for removing condensate from said cylinder.

2,586,718
BALL RETARDER FOR BOWLING ALLEYS
John Rodock, Washington, D. C.
Application October 15, 1948, Serial No. 54,785
5 Claims. (Cl. 273—47)



1. An accessory for use with a bowling ball return runway comprising a pair of spaced upwardly extending resilient supports, each support being formed from resilient material and being shaped to permit the support to twist about an upwardly extending axis, an elongated ball retarding member rigidly secured adjacent the middle portion thereof to the upper end of each support, to provide pairs of leading and trailing ball retarding end portions on each member, means for securing said supports in a manner to align the associated retarding members in a horizontal plane approximately parallel to the top of a bowling ball return runway and spaced thereabove, and permit a passing ball first to engage both leading end portions and move the same laterally, and, thereafter, engage both trailing end portions and move the same laterally, the movement of said portions being permitted by a twisting and lateral tilt of each resilient support and its associated retarding member as a unit with reference to said upwardly extending axis.

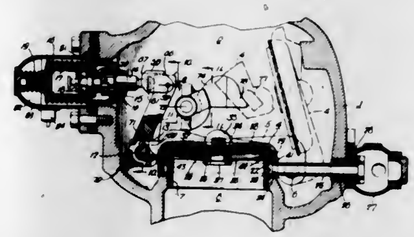
2,586,719
INTERLACED SEGMENTED ARTIFICIAL FLY BODY
Albert P. Ross, Springston, Idaho
Application January 11, 1949, Serial No. 70,287
6 Claims. (Cl. 43—42.25)



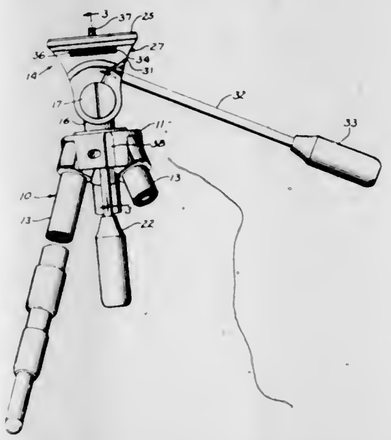
4. A fish lure comprising a fish hook having a shank, a strand of material formed in semi-circular sections and with the ends of the sections connected on the opposite sides of the shank, and another strand of material of a color different from that of the former strand also formed in semi-circular sections and with the ends of the sections connected on the opposite sides of the shank and wherein the strand of material of the different color is positioned on the lower side of the shank with the former strand on the upper side and wherein the connecting loops of the strands on the sides of the center are interconnected.

2,586,720
DRY PIPE VALVE
Arthur C. Rowley, Drexel Hill, Pa., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 21, 1950, Serial No. 175,151
8 Claims. (Cl. 169—19)

1. A dry pipe valve comprising a casing adapted for installation between fluid supply and dry pipe systems, a valve element movably supported in the casing and means providing a seat for said valve, said element being arranged for unseating by pressure of liquid in the supply system, and means for releasably retaining the valve element seated against said pressure, said retaining means including an element-retaining latch engageable with the valve element means on the valve element tending to displace the latch from the engaged position when the valve element is unseated by said liquid pressure, a movable member operable in an advanced position to hold the latch in valve retaining position against said displacing tendency, means for releasably interlocking said member with the latch for movement with the latter; and means responsive to fluid pressure in the dry pipe system for holding the member in the advanced position when the said system pressure exceeds a predetermined value, said pressure responsive means being releasable when the system pressure declines to permit the said member to move to a retracted latch-releasing position.

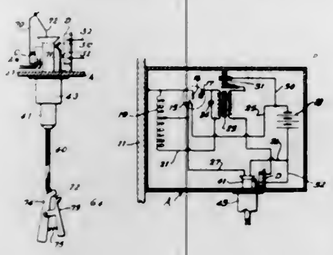


2,586,721
UNIVERSAL MOUNTING FOR TRIPODS
Samuel J. Rubin, Chicago, Ill., assignor to Arrow Metal Products, Chicago, Ill., a copartnership
Application February 19, 1949, Serial No. 77,320
9 Claims. (Cl. 248—183)



3. A mounting for cameras and the like comprising a support, a vertical pivot on the support, a horizontal pivot including two elements joined at one end and embracing said vertical pivot, a platform member including a supporting surface, a pair of collars depending from said surface and pivotally embracing the ends of said horizontal pivot, one of said collars being slotted and embracing the unjoined end of said horizontal pivot, and manually controlled screw means for successively constricting said slotted collar and said horizontal pivot whereby to lock said collar on said horizontal pivot and to lock said horizontal pivot on said vertical pivot.

2,586,722
PULL SWITCH FOR MINE SHAFT SIGNAL SYSTEMS
Richmond L. Rutherford, Superior, Ariz.
Application June 18, 1948, Serial No. 33,739
3 Claims. (Cl. 250—36)



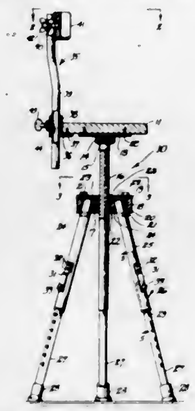
2. A signal device for mine shafts comprising a radio frequency oscillation generator including a vacuum tube having a cathode, associated input and output circuits for generating signal impulses and a source of battery current supply for said circuits, a cathode heating circuit, a switch connected in said cathode heating circuit, a longitudinally movable spring biased member having an operating handle, said operating handle including a Bowden wire extending through said longitudinal member and adapted to actuate said switch when the handle is grasped, a second switch, said second switch being connected in said output circuit, said longitudinal member upon its longitudinal movement against said bias actuating said second switch into circuit closing position.

2,586,723
ILLUMINATED MAGNIFYING LENS
Sidney Sakols, Baltimore, Md.
Application September 25, 1948, Serial No. 51,231
1 Claim. (Cl. 88—39)



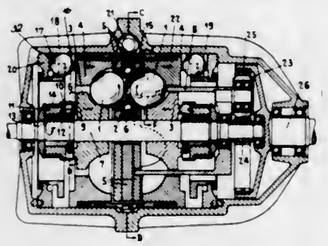
A reading lens composed of a light transferring plastic material and comprising a portion having a relatively narrow elongated magnifying element, said magnifying element having a flat bottom surface adapted to overlie the reading matter and a semi-circular upper surface, a light reflector extending throughout the length of the magnifying portion adjacent each side of the flat bottom surface, an integral neck portion extending outwards from one end of the magnifying portion and bent upwardly at an angle of approximately 45 degrees, a covering placed over the outer end of the magnifying portion and the neck portion for concentrating the light in the magnifying element, a coupling adapted to snugly fit over the upper end of the neck, the outer end of the coupling extending outwardly from the outer end of the neck, to provide a recess to receive the outer end of a lighting element, a collar threadably receivable on the outer end of the coupling, the opposite end of the collar having an inner and outer thread, the inner thread adapted to receive a light bulb and the outer thread adapted to receive a handle member.

2,586,724
COLLAPSIBLE ADJUSTABLE STOOL
Walter J. Sannebeck, Mexico, Mo.
Application October 29, 1947, Serial No. 782,775
1 Claim. (Cl. 155—93)



In a collapsible, adjustable stool having a seat and an adjustment screw secured to said seat the improvement comprising, a leg supporting block, a central opening in the block larger diametrically than the screw, upper and lower plates secured respectively to the upper and lower sides of the block, screw threaded openings in the upper and lower plates concentric with the opening in the block and adapted to operatively receive said screw, and said block and said lower plate having openings inclining downwardly and outwardly with respect to the screw and adapted to removably receive the upper end portion of the legs.

2,586,725
VARIABLE-SPEED TRANSMISSION
Henry Schottler, New Orleans, La., assignor to Roller Gear Corporation, New York, N. Y., a corporation of New York
Application February 6, 1951, Serial No. 209,543
In Switzerland February 8, 1950
18 Claims. (Cl. 74—796)

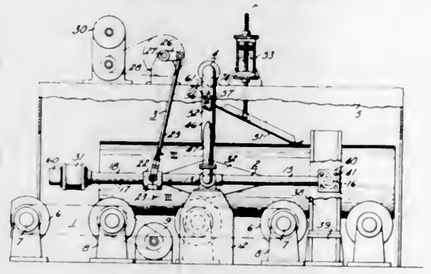


1. A variable speed transmission of the planetary type comprising in combination a driving shaft, a driven shaft, a pair of inner races and a pair of outer races, one of said pairs being coupled to the driven shaft, the other pair being held stationary against rotation, the races of each pair being symmetrically shiftable to each other and in opposite direction to the corresponding races of the second pair, two sets of spaced balls revolving in a planetary motion, one set between one inner and the corresponding outer race, the second set between the oppositely arranged inner and outer race, all balls of the one set thrusting axially against the corresponding balls of the other set to form uniformly revolving pairs of balls, and a follower between the two sets of balls and in engagement with them arranged for free rotation on the driving shaft and in operative connection with the driven shaft.

2,586,726
METHOD OF PRODUCING LIGHTWEIGHT INORGANIC INSULATING MATERIAL
Clyde C. Schuetz, Mount Prospect, and Charles R. Norman, Jr., Evanston, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 4, 1948, Serial No. 6.334
2 Claims. (Cl. 92—55)

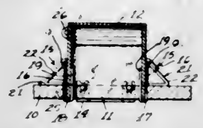
1. Process of producing a heat-insulating material having a density of from about 13 to about 20 pounds per cubic foot which comprises suspending a mixture of asbestos fibers, a finely-divided pozzolanic substance and a material capable of yielding an alkaline earth hydroxide in at least about five times its weight of water and subjecting the resulting suspension to sufficiently turbulent and violent agitation to produce a very slowly settling slurry, heating said slurry in a quiescent condition to a temperature between about 185° F. to about 300° F. but without vaporization of any substantial amount of its constituent water until, as a result of the reaction between the components of the mixture, the slurry sets up into a spongy mass; breaking up said spongy mass with a minimum of agitation to produce pieces suitable for transfer to a mold, transferring said pieces into a foraminous mold and rapidly compressing them therein into a coherent shape while expressing water therefrom, hardening the thus produced shape by heating it under superatmospheric steam pressure, and finally drying the resulting article.

2,586,727
OSCILLATABLE BARK-REMOVING JET HAVING VARIABLE AMPLITUDE OF OSCILLATION
Ernest C. Shaw, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Application May 22, 1950, Serial No. 163,493
17 Claims. (Cl. 144—208)



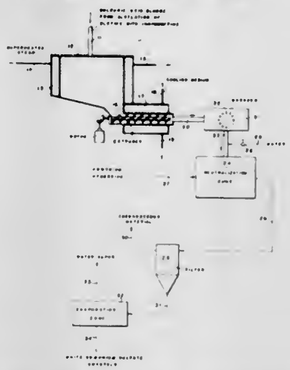
2. A nozzle assembly for hydraulic log barkers, comprising: fluid supply means to deliver hydraulic fluid under pressure; fluid jet issuing means; means mounting said jet means for oscillation about a fixed axis parallel to its jet issuing axis; means for supplying said fluid jet means from said fluid supply means; means for oscillating said fluid jet mounting means about said fixed axis; and means for changing the amplitude of oscillation of said jet mounting means while said oscillating means is in operation.

2,586,728
WALL OUTLET BOX MOUNTING
Frank B. Shepard, Texon, Tex.
Application November 19, 1948, Serial No. 60,993
1 Claim. (Cl. 248—27)



In a mounting for a wall outlet box, a pair of identical fixtures adapted to be positioned at opposite sides of an opening in the wall, each of said fixtures comprising a blank of sheet metal formed to provide a flat body portion, a flange bent at an acute angle outward from the top edge of said body portion, a tongue cut medially from the bottom edge of said body portion and having its free end bent upwardly at an acute angle and engaged beneath said flange, said tongue seating on the inner surface of a side edge portion of the wall opening, the portions of said body portion at the opposite sides of the tongue cutout constituting other tongues which are adapted to extend through the wall opening and be bent over and about the edge of the latter prior to the seating of the outlet box within the wall opening, the last named tongues being subsequently bent in the opposite direction and over and about the edge of the adjacent side of the outlet box to retain the outlet box in place.

2,586,729
PRODUCTION OF AMMONIUM SULFATE
Albert J. Shmidl, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application December 7, 1950, Serial No. 199,668
12 Claims. (Cl. 23—119)



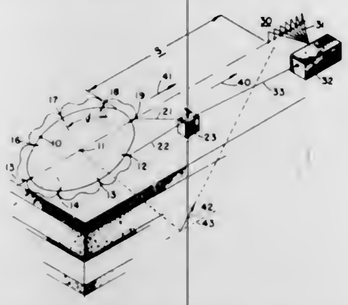
1. A process for producing ammonium sulfate which comprises heating sulfuric acid sludge derived from the alkylation of olefins with isoparaffins in the presence of strong sulfuric acid and containing substantial quantities of carbonaceous bodies to a temperature in the range between 280° and 325° F. to cause gelation, admixing said heated and gelled sludge with a sufficient amount of ammonium hydroxide to obtain substantial neutralization thereof, removing carbonaceous bodies and recovering an aqueous solution of ammonium sulfate from the substantially neutralized sludge, and evaporating said solution to recover crystals of ammonium sulfate substantially free of carbon.

2,586,730
DIAPER PROTECTOR
Julia E. Silverman, New York, N. Y.
Application February 19, 1951, Serial No. 211,649
12 Claims. (Cl. 128—287)



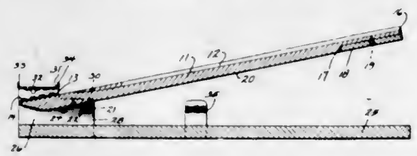
1. A diaper protector incorporating an elongated sheet structure having concavely curved sides, said sheet structure including a main subdivision of waterproof material, and further including four pieces of cloth material all elongated in the direction of length of said sheet structure, each of said cloth pieces being placed at a different one of the four corners of said sheet structure, said main subdivision near one end thereof and at each of its two sides having a pleat formed therein extending away from one of said cloth pieces intermediate the ends of the latter, said main subdivision across the width of the same at the last-named end thereof being ruffled.

2,586,731
SURFACE GENERATION OF SEISMIC WAVES
Randolph F. Simon and Stanley N. Heaps, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application March 11, 1949, Serial No. 80,806
2 Claims. (Cl. 181—.5)



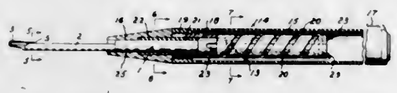
1. A seismic exploring system which comprises a plurality of detectors located at receiving stations and responsive to earth vibrations for producing electrical signals in the seismic frequency range of from 30 to 80 cycles per second, a seismic recorder connected to said detectors and including a record chart and means for driving said record chart past a recording point at a preselected speed to record said signals as undulations in side by side relation along the length of said chart thereby to produce a timed record on which the time-occurrence of a seismic event, because of the relation between the frequency range of said seismic signals and said speed, is capable of being read to within a minimum time interval which interval corresponds with the maximum time-resolution of said record, and means for producing surface generated seismic waves while maintaining said maximum time-resolution which includes an elongated explosive charge in substantial contact along its length with the earth's surface at a sending station spaced from said receiving stations and characterized by a ratio of length to velocity of detonation greater than said minimum time interval, a plurality of detonators positioned in firing relation to said elongated charge at points spaced along said charge at intervals not greater than twice the product of said velocity and said minimum record interval, and means for simultaneously energizing said detonators completely to expend said charge within said minimum time interval.

2,586,732
FISH-SCALING EQUIPMENT
Otto L. Sohier, Cudahy, Wis.
Application April 23, 1951, Serial No. 222,320
2 Claims. (Cl. 17—8)



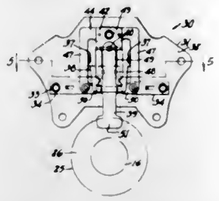
1. A fish scaling device including a base board, a bracket member at one end thereof, side portions in said bracket member having upwardly disposed aligned notches spaced from the end of said board, a transverse top portion integral with the side portions of said bracket, the said top portion having plural apertures punched downwardly therethrough to provide sharp retaining points, a scaling board, a transverse pintle spaced from the end thereof, points of said pintle extending laterally from the scaling board adapted to be journalled in said aligned notches, a plate affixed to the end of said scaling board adjacent to the pintle but on the opposite side of said board, plural apertures punched in said plate away from said board surface to provide sharp retaining points, and a weight on the free end of said board to provide leverage for holding the tail of a fish between said plate and said transverse top portion of the bracket.

2,586,733
DEVICE FOR REPAIRING RUNS IN FABRICS
Manuel Humberto Pérez Sologaistoa, San Pedro Sula, Honduras
Application August 18, 1947, Serial No. 769,238
14 Claims. (Cl. 66—117)



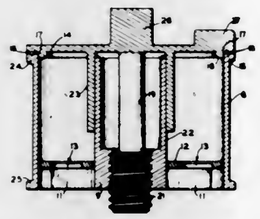
1. The combination with a casing having a propelling mechanism therein including a stationary sleeve having a guide slot and a rotatable sleeve having a spiral slot, said rotatable sleeve being rotatable by a part of the casing, of a fabric repair device including a needle bar slidably fitted in the stationary sleeve, a needle carried thereby, a reciprocatory latch on the needle bar for closing and opening the needle, said latch being movable to closed position by thread pressure, a compression spring for moving the latch to open position, adjusting means on the needle bar for compressing the spring and varying its compression, and a projection on said tube engaging said slots in said sleeves and operable by said rotary sleeve to project and retract the needle.

2,586,734
ELECTRIC CENTRIFUGAL SWITCH
Chester E. Sprague and Albert L. Judson, Portland, Oreg., assignors to Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon
Application June 20, 1949, Serial No. 100,136
3 Claims. (Cl. 200—80)



1. An electric switch comprising an insulating base having a mounting surface thereon, two spaced stationary contacts mounted on said base, two spaced movable contacts each biased toward said surface to contact respectively one of said stationary contacts, an operating lever rockably pivoted near one end for motion about three mutually perpendicular axes passing through the pivot point of said lever, means rockably biasing the other end of said lever away from said mounting surface, means for limiting the motions of said lever, and co-operating means on said lever and said movable contacts whereby, when the free end of said lever is moved a pre-determined distance toward said surface each of said movable contacts will contact its respective stationary contact and if, whenever said free end of said lever is within said pre-determined distance of said surface, said lever is rocked toward one of said stationary and moving contact pairs and released to move away from said surface, only said one pair of contacts will be opened.

2,586,735
BACKWATER VALVE FOR DRAINS
Edmund G. Stoltz, Sr., Granite City, Ill.
Application October 31, 1949, Serial No. 124,673
2 Claims. (Cl. 182—25)



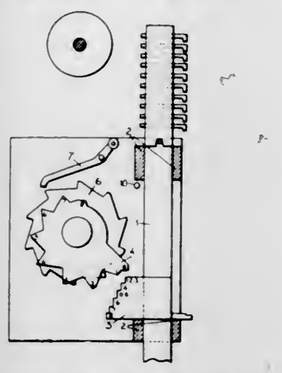
1. A back water valve for drains, comprising a tubular suppporting member adapted to communicate at its bottom with a drain pipe, a boss fixed centrally within said tubular member, a plate adapted to engage a seat at the top of the tubular member and thereby close said member, a stud fixed to said plate and threaded in the boss, whereby the tubular member may be opened and closed by turning the plate, and a housing for the stud including a tubular wall extending upwardly from the boss and a tubular sleeve extending downwardly from the plate in telescopic engagement with said tubular wall.

2,586,736
BALER
Edward H. St. Onge, Dearborn, Mich.
Application May 20, 1947, Serial No. 749,380
2 Claims. (Cl. 100—19)



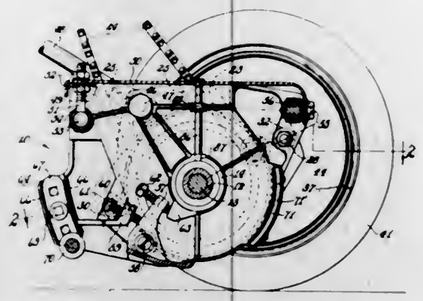
2. A baler comprising a pair of half box sections together forming a complete box, one of said sections being hinged to the other at the top and adapted to be swung to a position over the other, each section having end walls, a side wall and a bottom, the corresponding end walls and bottoms of the respective sections being spaced from each other, said side walls being slotted from top to bottom, and said bottoms being slotted in continuation of the slotting of the side walls, and stops at the lower ends of said end walls and adapted to engage each other to maintain the spacing of said end walls and bottoms.

2,586,737
PRINTING DEVICE FOR USE IN CONNECTION WITH BUSINESS MACHINES
Cornelis Hendricus Stuivenberg, Haarlem, Netherlands
Application August 6, 1947, Serial No. 766,768
In the Netherlands August 27, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 27, 1965
11 Claims. (Cl. 101—93)



1. In combination with a counter carrying a plurality of individual characters forming elements of data to be recorded, a control member rotatably connected to said counter and provided with a plurality of teeth arranged one adjacent the other along a spiral-shaped curve around the axis of rotation of said control member, all of said teeth being arranged in one and the same plane and extending together over an angle of less than 360°, and each of said teeth being co-ordinated with one of said characters and extending over an angle of less than 36°, a plurality of printing elements corresponding in number to the number of said characters, reciprocable means supporting said printing elements, means supported by said reciprocable means and comprising a plurality of steps for co-operation with said teeth, at least one of said steps being arranged for co-operation with a plurality of said teeth.

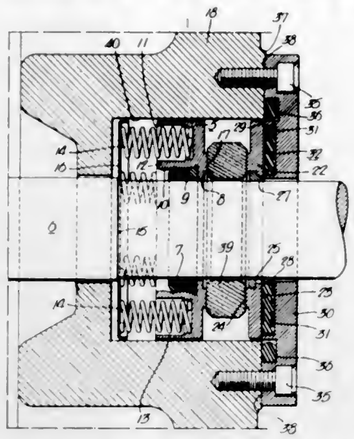
2,586,738
SIDE FRAME CONSTRUCTION FOR POWER LAWN MOWERS
William E. Sullivan, Springfield, Mass., assignor to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware
Application January 13, 1950, Serial No. 138,285
2 Claims. (Cl. 56—26)



1. Side frame construction for a reel type power lawn mower comprising a casting plate with means at one side thereof for a bearing support of the mower reel shaft, an open sided sprocket housing having an integral flanged side wall at the other side of the plate and a chain well at the top of said housing communicating therewith, said chain well comprising an upper portion of said plate, an integral panel spaced therefrom with the lower edge of the panel providing an outer side edge for the upper portion of said sprocket housing, integrally connecting front and rear walls joining said panel and plate, and spaced web portions between said front and rear walls integrally joining the panel and plate to form front and rear chain well runways, one of said web portions of the chain well including an enlarged reinforcement stud integrally extending from said plate through the panel wall and terminating in a handle pin extension for pivotally anchoring the end of a mower handle arm at a forward and downward position from the top rear edge of the well, a handle lug integrally extending outwardly of the panel at said top rear edge to limit rotation of a handle arm pivotally mounted on the pin and to brace the same to tilt the frame, a wheel plate fixed to said casting plate covering the open side of said sprocket housing, said wheel plate being provided with a stub axle extending therefrom forwardly of the housing for mounting a mower wheel, and roller bracket mounting means at the lower rear corner of said plate, said roller mounting means being disposed substantially vertically below said handle arm lug.

2,586,739
GAS SEAL
Otto Murray Summers, Abington, Pa., assignor to Linear, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application June 23, 1947, Serial No. 756,401
5 Claims. (Cl. 286—11.15)

1. In a seal for a rotating shaft, a stationary washer surrounding the shaft, a bearing surface on the inside diameter of the washer adapted to maintain the washer in radical alignment with the shaft, a lapped sealing surface on one side of the washer, a stationary member in which the shaft rotates, an annular recess in said stationary member, a resilient annular compression member positioned in said recess adapted to abut the opposite side of the washer, the dimensions of the recess and the resilient compression member being such as to provide a predetermined sealing



pressure on the washer when the compression member is axially compressed by the washer.

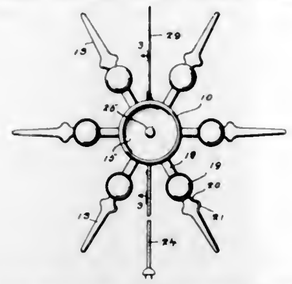
2,586,740
WATERPROOF CONTAINER
Reinhold J. Swanson, Chicago, Ill.
Application July 10, 1947, Serial No. 759,931
3 Claims. (Cl. 224—26)



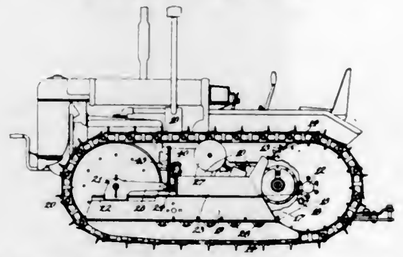
1. In combination, a receptacle of the class described the body member of which is formed of rubber to provide a compartment for objects, said member having a longitudinal slot in the rear wall thereof exterior of said compartment, a clip member, a portion of said clip member being adapted to be received in said slot, and means to retain said clip member in said slot, said means including an ear on one of said members and an engaging notch in the other of said members whereby said receptacle may be supported by said clip member.

2,586,741
ILLUMINATED DECORATIVE DISPLAY ORNAMENT
Charles Roe Sweeny, Wilmington, Del.
Application September 2, 1949, Serial No. 113,825
2 Claims. (Cl. 240—10)

1. In an ornament for window display, the combination which comprises a hollow circular body member with an annular cylindrical flange and having a concave face with an electric light bulb socket therein, a back having a corresponding cylindrical annular flange positioned to nest in the annular flange of the body member and having a convex surface, a plurality of radially disposed spring fingers carried by the annular flange of the body member, and outwardly extended hollow fingers with bulbous sections therein and tubular hubs on the inner ends carried by the said spring fingers of the body member.



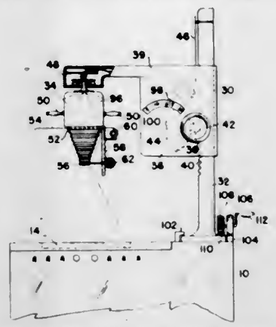
2,586,742
MEANS FOR ATTACHING ON EACH SIDE OF A VEHICLE CHASSIS OR BODY A FRAME CARRYING AN ENDLESS DRIVING TRACK
Ernest Thomas James Tapp and Joseph Davey, Fleet, England, assignors to County Commercial Cars Limited, Fleet, Aldershot, England
Application October 13, 1949, Serial No. 121,164
In Great Britain October 15, 1948
6 Claims. (Cl. 305—9)



1. A motor driven endless track vehicle comprising a chassis, a track frame on each side of the chassis, a pivotal mounting connecting one end of each track frame to the chassis so that the track frame may swing in an up-and-down direction, a transversely extending spring fixed to said chassis and having its two ends respectively connected to the two track frames at locations disposed away from the pivotal mountings in a longitudinal direction with respect to the length of the vehicle and two links mounted independently of one another on opposite sides of the chassis and each having its opposite ends pivotally connected respectively to the chassis and to a track frame, so as to swing about axes extending in a longitudinal direction with respect to the length of the vehicle, each of which pivotal mountings is resiliently yielding to permit said track frame to rock about its lower ends.

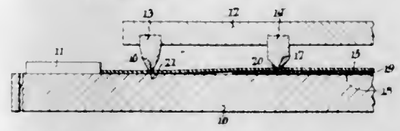
2,586,743
DISPLAY SYSTEM FOR RADAR NAVIGATION
Russell W. Thresher and Ralzemond B. Parker, United States Coast Guard
Application November 14, 1945, Serial No. 628,620
3 Claims. (Cl. 343—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a position-indicating system having a radio receiver and a cathode tube including a ray emitter and a fluorescent screen upon which the cathode rays are directed, a film having a chart, means for projecting an image of the chart of the film upon the screen, means for varying the scale of the image of the chart projected on the screen to make the scale agree with that



disclosed on the screen, and means for indicating differences in range as said scale varying means is operated.

2,586,744
APPARATUS FOR CUTTING AND SCORING BLANKS
John Shipley Troth, Wayne, Pa., assignor, by mesne assignments, to Robert Gair Company Inc., New York, N. Y., a corporation of Delaware
Application June 29, 1949, Serial No. 102,106
3 Claims. (Cl. 93—58.3)

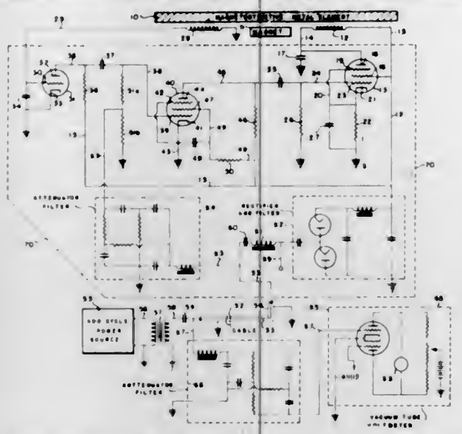


1. Apparatus for cutting and scoring blanks comprising a pair of die members movable toward and away from one another, means for moving said die members toward and away from one another, blank cutting and scoring blades on a first one of said die members, a rigid substantially non-yieldable plate on the second die member opposite the cutting and scoring blades of the first member, and a sheet of yieldable rubber forming a cushion on said non-yieldable plate opposite the scoring blades of the first member, said yieldable rubber sheet being restricted as to size and shape to those portions of the non-yieldable plate which are removed from the portions confronting said cutting blades, and being in such position that it is depressible upon approach of the scoring blades to the bed member.

2,586.745
ACOUSTIC WELL LOGGING
Frank N. Tullos, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application November 26, 1947, Serial No. 788,259
7 Claims. (Cl. 178—44)

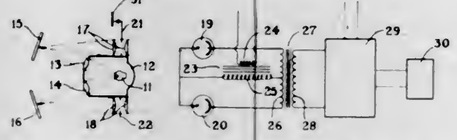
1. In an oscillator system including first and second electron discharge tube networks, each having at least a signal grid input circuit and an anode output circuit, and including a coupled pair of solenoids with the first of said solenoids electrically connected as a load impedance in the anode output circuit of said first tube network and a second of said solenoids electrically connected in the signal grid input circuit of said second tube network whereby a portion of the

output energy of said system is coupled into the input circuit of said second tube network sufficient to maintain oscillation in the system, the improvement which comprises an electron tube control network having a voltage gain inversely proportional to the input voltage thereof inter-



posed between the input circuit of said first tube network and the output circuit of said second tube network whereby the alternating current voltage across said load impedance is maintained substantially constant under varying load conditions.

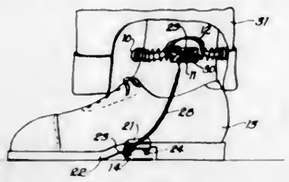
2,586,746
PHOTOMETRIC DEVICE
John E. Tyler, Riverside, Conn., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application August 31, 1949, Serial No. 113,259
2 Claims. (Cl. 88—23)



1. In combination with two light sources and attenuating means for each source, one of the said attenuating means having a per cent calibration, a matched pair of phototubes, each positioned to receive light from one source, a voltage supply transformer, a high impedance transformer, circuit means connecting the secondary of the said voltage supply transformer in parallel to the said phototubes and to a center tap of the primary of the said high impedance transformer and the said phototubes in series across the said primary of the high impedance transformer, and, linked to the secondary of the said high impedance transformer, means for amplifying and detecting phototube signals and for determining the phase of such signals.

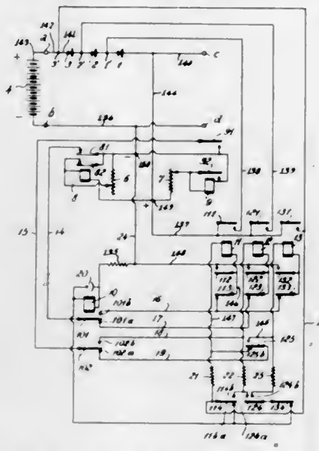
2,586,747
DETACHABLE BODY GROUNDING DEVICE
Floyd A. Van Atta, Chicago, Ill., and Walter G. Legge, New York, N. Y.; said Legge assignor to said Van Atta
Application May 10, 1949, Serial No. 92,366
6 Claims. (Cl. 175—264)

1. A detachable body grounding device, comprising: a stretchable, conductive ankle band adapted to be slipped over the foot; a clamp including two metal strips movable relative to each other, the outer ends of said strips terminating, respectively, in a pair of hooks adapted to clamp upon the sole of a shoe at the instep portion thereof, and spring means connecting said strips



and urging said hooks toward each other; a metallic chain linking said clamp and said ankle band; a resistor element in series with said metallic chain; and a spring clip secured to one of said metal strips and extending downwardly therefrom to connect said clamp to ground.

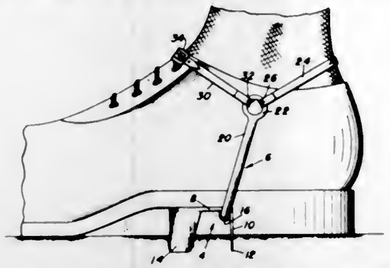
2,586,748
REGULATION OF DIRECT-CURRENT SOURCES FOR THE SUPPLY OF ELECTRIC RECEIVERS
Georges Villebonnet, Gentilly, France
Application February 14, 1948, Serial No. 8,378
In France November 24, 1942
4 Claims. (Cl. 323—15)



1. A regulated direct current power supply comprising a battery, a plurality of dry contact rectifiers connected in series with the battery and poled to pass in their direction of greater conductivity a current forced through them by the battery, and means responsive to the voltage across the series connection of battery and rectifiers to short-circuit said rectifiers successively as said voltage falls below a minimum value and to reinsert said rectifiers successively in series with the battery as said voltage rises above a maximum value.

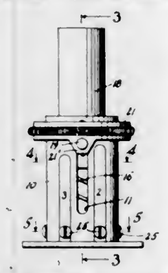
2,586,749
ANTISKID ATTACHMENT FOR SHOES
John F. Von Essen, Floral Park, N. Y.
Application June 9, 1950, Serial No. 167,023
1 Claim. (Cl. 36—62)

An anti-skid attachment for a walking shoe comprising a substantially flat horizontal plate portion adapted to underlie and firmly contact the underside of the shank of the sole of a shoe, a depending right angularly disposed vertical plate portion integrated with and carried by a longitudinal edge portion of said horizontal plate portion and adapted to rest throughout its major area against the breast of the heel of said shoe, the entire lower edge of said vertical plate portion being sharpened and providing anti-skid means, a pair of downbent spaced parallel calks



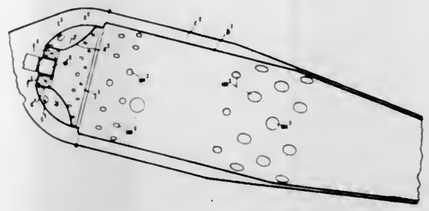
formed integral with and depending from the forward transverse edge portion of said horizontal plate portion and disposed at right angles to said vertical plate portion, and means for harnessing said plate portions in their respective predetermined positions on said shoe, said means embodying a stirrup hingedly connected with said plate portions and a plurality of fastening straps permanently attached to said stirrup.

2,586,750
MULTIPLE CIRCUIT CONTROL SWITCH
Herbert E. Wagner, Los Angeles, Calif.
Application May 18, 1950, Serial No. 162,749
5 Claims. (Cl. 200—16)



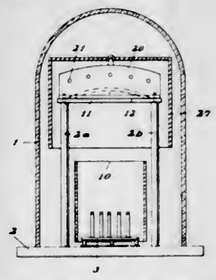
2. In a multiple circuit control unit: a tubular body of insulating material, a plurality of conductor strips of different lengths mounted in spaced parallel relationship around the outer surface of said body, with means for connecting a circuit wire to each strip, a collector ring movably mounted on said body, and movable in a path parallel with said conductor strips, said collector ring having a plurality of contact balls seated in its inner side to be moved into engagement with said conductor strips, with spring means yieldingly pressing said contact balls inwardly on said body, said balls being positioned in alinement with said conductor strips on the outer side of said body, a push button in said body, a through pin through said push button and through said collector ring, whereby the movement of said push button moves said collector ring and its contact balls, said body having opposite slots in which said through pin moves, a spring in said body under said push button for returning it when it has been moved in one direction, and means for holding said spring in operative position with the inner end of said push button.

2,586,751
AIR DISTRIBUTION BAFFLING ABOUT THE FUEL NOZZLE OF COMBUSTION CHAMBERS
Ernest Ansley Watson, Coventry, and John Stanley Clarke, Burnley, England, assignors to Joseph Lucas Limited, Birmingham, England
Application January 16, 1945, Serial No. 573,113
In Great Britain September 29, 1943
1 Claim. (Cl. 60—39.65)



A liquid fuel combustion apparatus comprising in combination an outer casing, a combustion chamber formed by a hollow body arranged within the casing and separated therefrom by an air space, a liquid fuel nozzle situated at one end of the combustion chamber, stationary guide vanes arranged around the nozzle to impart rotary motion to air entering the combustion chamber past the vanes, an imperforate screen surrounding the region immediately adjacent to the delivery end of the nozzle, and a partition formed by an extension of the screen and surrounding a region in the combustion chamber adjoining that surrounded by the screen, the said partition being shaped, arranged, and formed with perforations, to serve the double purpose of admitting a restricted supply of air to the combustion chamber and delivering the said restricted supply of air in the form of convergent streams to the portion of the combustion chamber immediately in front of the screen.

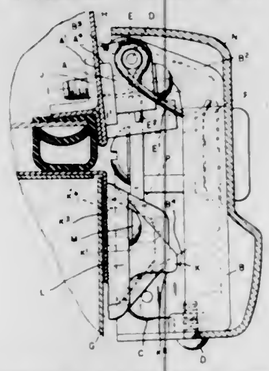
2,586,752
ALLOY RESISTANCE ELEMENT AND METHOD FOR MANUFACTURING SAME
Ernst Weber, Mount Vernon, and Stanley Adams Johnson, New York, N. Y., assignors to Polytechnic Institute of Brooklyn, Brooklyn, N. Y., a corporation of New York
Application September 26, 1946, Serial No. 699,546
9 Claims. (Cl. 117—47)



1. In the manufacture of alloy resistance elements, the process which comprises heating a clean dielectric carrier to temperatures within the range of from about 300° to 350° C. in an enclosed space in which the pressure is less than 8×10^{-5} mm. of mercury, simultaneously heating a tungsten filament in said enclosed space in contact with a nickel alloy, selected from a group consisting of nickel-chromium and nickel-copper,

under conditions causing the alloy to melt, to cover the filament and to vaporize, said dielectric carrier being sufficiently close to the filament to be coated by the vaporized metal, stopping the heating of the filament before any substantial contamination of the coating is produced by vaporization of tungsten from the filament, and vaporizing magnesium fluoride in proximity to the alloy-coated carrier to coat said carrier with magnesium fluoride while still under a vacuum.

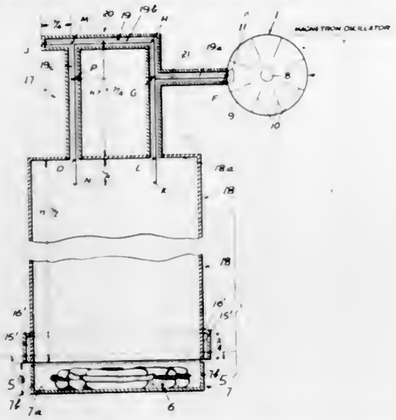
2,586,753
LID HANDLE AND LATCH MECHANISM
Harland W. Whitmore, Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application January 24, 1949, Serial No. 72,344
2 Claims. (Cl. 292—228)



1. An actuating and latching means for cabinet closures, comprising an inverted T-shaped member having the stem portion thereof projecting upward and inward and terminating in an eye portion, a stop member for attachment to said closure having bifurcated eye portions embracing and aligned with the aforesaid eye portion, a pivot pin extending through said eye portions and projecting beyond the same but within the longitudinal dimension of said inverted T-shaped member, helical springs sleeved upon said extensions, each of said springs having radially extending arms at its opposite ends engaging notched bearings in said stop and T-shaped members biasing the latter to swing inward, and a roller mounted on the inner face of said T-shaped member for cooperation with a keeper on a cabinet.

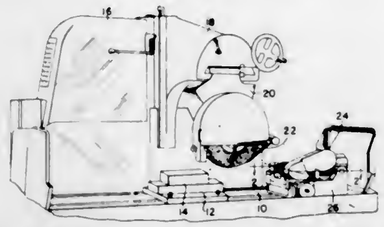
2,586,754
RADIO-FREQUENCY SYSTEM
Norman R. Wild, East Natick, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application November 16, 1946, Serial No. 710,339
2 Claims. (Cl. 178—44)

1. A microwave energy transmission system, comprising a source of microwave energy, a transmission line of U-shape with two extra arms extending substantially parallel to the base of the U, one of said extra arms ending at and intersecting one of the legs of the U intermediate the ends thereof and the center line of said one extra arm lying in a horizontal plane which divides each of the legs of the U into a stub line and a branch line, the stub line of each leg being adjacent to and intersecting the base of the U, the free end of said one extra arm being connected to said source, the other of said extra arms ending at and intersecting the base of the U and being short-circuited at its free end, the lengths of the two stub lines plus the length of the base of the U being an odd number of half-wavelengths at the frequency of said microwave energy, the length of said other extra arm being an odd number of quarter-wavelengths, and a hollow waveguide having a longitudinal axis,



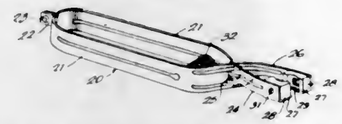
said branches extending into said guide at one end thereof parallel to said axis to serve as exciting rods for said guide, the lengths of the portions of each branch between the stub ends of the same and said one end of said guide being an odd number of quarter-wavelengths long at said frequency.

2,586,755
METHOD AND APPARATUS FOR GRINDING
John C. Wilson, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application March 28, 1946, Serial No. 657,677
12 Claims. (Cl. 51—5)



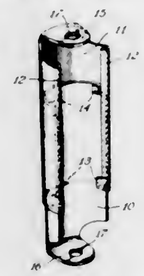
1. In a grinding machine; a grinding wheel rotatably mounted thereon of a given work surface width, said grinding wheel comprising a surface having abrasive grains embedded in a crushable bonding material a rotatable crush dressing roll having a surface hard enough to crush the bonding material on said grinding wheel when the same is pressed there against, said roll being mounted on said machine for rotation on an axis parallel with the axis of rotation of said grinding wheel, said crush dressing roll having a surface width at least equal to said work surface of said grinding wheel and corresponding surface parts of said wheel and roll being co-planer, means mounted on said machine selectively operable for bringing said grinding wheel into crushing relationship with said roll to break said bonding material and cause said grinding wheel to take a shape which is complementary to the shape of said roll, and means mounted on said machine for truing said roll comprising a shaving tool having a width sufficient for engagement with the entire surface width of said crush roll and movable into engagement with the surface of said roll, the complementary shaped cutting edge of said shaving tool having all parts thereof in true radial disposition relative to said roll.

2,586,756
DEVICE FOR SETTING KEYS ON VALVE STEMS
John R. Wolfe, Chicago, and Charles E. Kelley, Hinsdale, Ill.
Application May 13, 1947, Serial No. 747,630
2 Claims. (Cl. 81—5.1)



1. In a key setting device for holding complementary arcuate key parts having tapered outer surfaces, said key parts being adapted to engage a grooved valve stem and to be held in fixed relation therewith by a spring-pressed key retainer, a holder member consisting of a pair of flat metal members having arcuate end portions pivotally secured together, said end portions having facing convex surfaces rotatable about a longitudinal axis of said key setting device, said metal members providing at their other ends opposed jaws equipped with magnet blocks, and spring means urging said jaws together.

2,586,757
DOOR HINGE CHECK
Clarence H. Wummel and Edward V. Dubowski, Chicago, Ill.; said Dubowski assignor to said Wummel
Application August 4, 1948, Serial No. 42,368
6 Claims. (Cl. 16—137)



1. A door hinge check comprising two telescoping channel sections closed at opposite ends, the other ends thereof being open and provided with lugs on the open ends to prevent separation of said sections, and aligned apertures through each of said closed ends, said apertures being disposed for the passage therethrough of a hinge pintle.

2,586,758
JEWELRY CHAIN CONNECTOR
Karl Zerr, Rego Park, N. Y.
Application July 3, 1950, Serial No. 171,922
1 Claim. (Cl. 24—73)

A buckle or lock for jewelry pieces comprising a bottom part having upwardly extending side portions and a front portion, said side portions each having a plurality of notches therein, said notches in each side portion directly opposing those in the opposite side portion, a flat cover disposed over the side portions and closing up the ends of the side notches of the side portions, whereby to confine the chain elements within said buckle, said front portion having an outwardly depressed formation and said cover being hinged to said side portion and having a front portion,



the latter being retained by the outwardly depressed formation, said cover having a rear flange hinged to the said side portions and having a front extension, the latter being retained by the outwardly depressed formation of the said front portion, and the said front portion of the bottom part and the said cover having outwardly struck handle formations to effect by means of the thumbnails the separation of the cover from the bottom part so as to release the chain elements.

2,586,759
PRESSURE RELIEF VALVE ASSEMBLY
Myron J. Zimmer, Wood Dale, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application April 4, 1947, Serial No. 739,393
6 Claims. (Cl. 137—53)

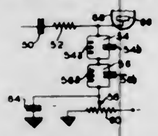


1. A pressure relief valve assembly comprising a steam escape vent tube adapted to be mounted on the cover of a pressure cooking utensil for communication with the interior of said utensil, a valve seat at the upper end of said tube, valve means adapted to seat by gravity on said seat including a sleeve adapted to telescope said tube, and a hollow casing secured to the base of the tube and defining a chamber about the tube throughout the height of the latter in which the valve means are loosely confined and guided when moved axially of the tube toward and away from said valve seat, said casing having an opening at its upper end of a size to permit unobstructed withdrawal of the valve means therefrom.

2,586,760
COMBINED AMPLITUDE AND FREQUENCY DISCRIMINATORY AUTOMATIC GAIN CONTROL
Alda V. Bedford, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 1, 1948, Serial No. 62,863
7 Claims. (Cl. 178—7.3)

3. In a television radio receiving system for receiving and demodulating a radio carrier modulated by a composite image signal including a periodically recurrent synchronizing component representing a fixed percentage of radio carrier

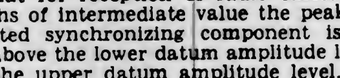
modulation, a frequency discriminatory device having an input circuit and an output circuit, said device being productive in its output circuit of an alternating voltage of an amplitude which is substantially a sole and positive function of that input energy bearing a harmonic relationship with the periodic recurrence frequency of said image signal synchronizing component, an amplitude discriminatory wave communicating circuit having an input and an output and active to pass only those portions of applied waves established between an upper and lower datum amplitude level, means applying the demodulated composite signal to the input of said amplitude discriminatory wave communicating circuit, the amplitude of the composite signal so applied being nominally adjusted relative to said amplitude discriminatory circuit datum levels such that for reception of radio carrier signal strengths of intermediate value the peak of demodulated synchronizing component is established above the lower datum amplitude level but below the upper datum amplitude level, a coupling from the output of said amplitude discriminatory circuit to the input of said frequency discriminatory device, a unilateral conduction device having at least an input and an output terminal, means coupling the output of said frequency discriminatory device to said unilateral conduction device input terminal, a load circuit connected with the output terminal of said unilateral conduction device for development of a unidirectional output control voltage in accordance with the amplitude of voltage waves applied to said unilateral conduction device input terminal, gain controlling means having an input connected to said load circuit for controlling the gain of said receiver in accordance with the control voltage developed in said load circuit, means responsive to the output signal of said amplitude discriminatory wave communicating circuit for establishing a correcting control potential, and means coupling said correcting control potential to the input of said gain controlling means for suspending control of said frequency sensitive means over the gain of said receiving circuit for values of input signals to said amplitude discriminatory circuit in excess of a predetermined amplitude level.



2,586,761
DISPENSER FOR INSECT-REPELLENT MATERIAL

Edmund A. Eskola, Bothell, Wash.; Lempi M. Eskola administratrix of said Edmund A. Eskola, deceased

Application September 30, 1949, Serial No. 118,813
4 Claims. (Cl. 119—157)

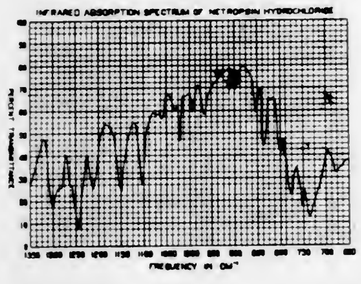


2. An insect-repellent dispenser comprising an elongated tube of flexible material having flattened, closed portions at its opposite ends and perforations in its wall between such closed end portions, one of said closed end portions having spaced apart openings therein for receiving strands of animal hair to attach the dispenser to the tail of an animal.

2,586,762
NETROPSIN AND PROCESS FOR ITS PRODUCTION

Alexander C. Finlay, Long Island City, and Ben A. Sobin, New York, N. Y., assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y., a corporation of Delaware

Application August 25, 1949, Serial No. 112,411
8 Claims. (Cl. 167—65)



5. A substance effective in inhibiting the growth of Gram-negative bacteria, selected from the group consisting of a base capable of forming salts with acids, whose anhydrous hydrochloride is hygroscopic, shows no optical activity in water, methanol or dimethylformamide solutions, has the following elementary analysis:

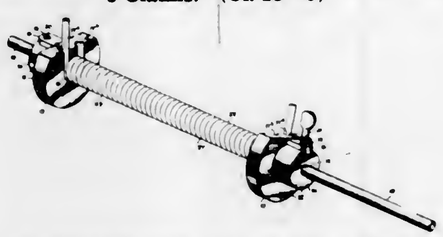
	Per cent
C	42.9
H	5.78
N	28.1
Cl (ionic)	13.7
Cl (total)	13.7

and in a mineral oil suspension exhibits characteristic absorption in the infrared region of the spectrum at the following frequencies expressed in reciprocal centimeters: 3525, 3300, 3170, 1703, 1670, 1583, 1518, 1300, 1244, 1211, 1149, 1104, 1068, 1060, 1031, 1021, 993, 967, 898, 852, 835, 818, 798, 778, 751, 734, 679, and whose hydrated sulfate is sparingly soluble in water and substantially insoluble in the common organic solvents, and in a mineral oil suspension exhibits characteristic absorption in the infrared region of the spectrum at approximately the following wave lengths: 3290, 1660, 1630, 1580, 1400, 1285, 1260, 1210, 1145, 1100, 1050, 990, 960, 890, 850, 830 and 805 cm.$^{-1}$, and the acid salts of said base.

2,586,763
MEANS FOR FORMING EXTENSIBLE AND RETRACTABLE CORDS

Carl H. Judisch, Hamden, Conn., assignor to The Whitney Blake Company, Hamden, Conn., a corporation of Connecticut

Application September 18, 1948, Serial No. 49,954
5 Claims. (Cl. 18—6)

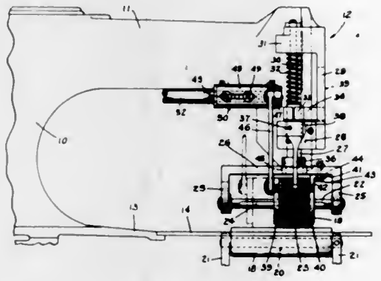


1. A winding-form for resiliently extensible coiled cords, comprising a winding-arbor; a winding-head on said arbor; a clamping-head removable from and longitudinally adjustable on said arbor, said heads having confronting faces each provided with first an endless cord-fitting groove, of which the inner side wall is formed by said arbor, and a branch groove leading substantially tangentially from said first groove to the periphery of the head, said first groove and branch groove in said winding-head being of sufficient depth to receive and retain the leading end of a cord to be wound on said arbor and adapted to form it into the greater portion of the first-wound turn and the adjacent terminal end of the wound cord, and the other head being adapted to be clamped against the opposite end of the wound cord with the last turn and the adjacent terminal end of the same received and retained in said first groove and coordinated branch groove, respectively, of said clamping-head.

2,586,764
FEEDING DEVICE FOR SEWING MACHINES

Clarence B. Nelson, Nyack, N. Y., assignor to Wilcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York

Application June 21, 1947, Serial No. 756,235
11 Claims. (Cl. 112—214)



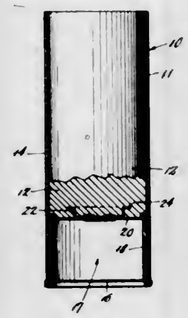
10. In a sewing machine, the combination with feed dogs and a cooperable presser foot having a predetermined line of feed, of an auxiliary puller-feed roller for feeding a workpiece leaving the feed dogs and presser foot and positioned substantially in line therewith; means including a fixed yoke mounting said auxiliary feed roller to the rear of the feed dogs, said auxiliary feed roller having a surface engageable with the top of the workpiece to feed the latter, and said mounting means including adjustable means connected to the roller for shifting said auxiliary feed roller on said yoke to a position wholly to one side of the line of feed to provide for feeding engagement of said parts with the workpiece in either position.

2,586,765
DISPENSING PACKAGE

Theodore F. Onkey, Easton, Conn., assignor to Roberts Rouge Company, Stratford, Conn., a corporation of Connecticut

Application January 29, 1949, Serial No. 73,520
3 Claims. (Cl. 206—56)

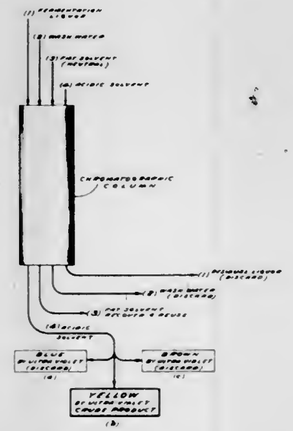
1. A dispensing package comprising a pasteboard tube having a metallic lining; a stick of compound in said tube and occupying a portion only of its length; an insert comprising a pasteboard tube of smaller diameter and shorter than said first-mentioned tube, and having a sheet metal wall at one end, said insert occupying the remainder of the first-mentioned tube with said end wall in contact with the end of said stick and in peripheral engagement with said metallic lining, and a sheet metal anchor element attached to the inner surface of said end wall, shaped to provide oppositely extending overhangs intimately engaged with and surrounded by the material of said stick.



2,586,766
PURIFYING AUREOMYCIN BY CHROMATOGRAPHIC ADSORPTION

Charles Pidacks, Spring Valley, and Edward E. Starbird, Nanuet, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application November 30, 1948, Serial No. 62,765
22 Claims. (Cl. 167—65)



1. In the process of purifying aureomycin, the steps which comprise adsorbing the aureomycin from an aqueous solution containing aureomycin onto an adsorbent and eluting the aureomycin with an acidulated organic solvent, selecting the fraction which appears yellow under ultraviolet light, and recovering aureomycin therefrom.

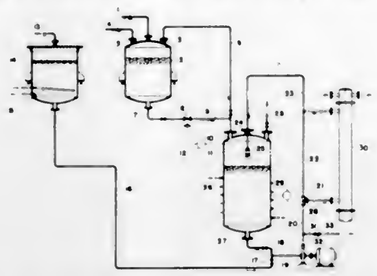
2,586,767

METHOD FOR PRODUCING ALKYLENE OXIDE CONDENSATION PRODUCTS

Robert A. Wilson, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

Application January 31, 1948, Serial No. 5,605
12 Claims. (Cl. 260—97.5)

1. The method of producing condensation products which comprises continuously introducing an unsubstituted alkylene oxide which boils below 200° C. into a reaction zone at such a rate that the pressure in said zone is maintained substantially constant, spraying in a finely divided liquid form into said zone an organic compound containing at least one reactive hydrogen atom and at least six carbon atoms which then reacts with a portion of said alkylene oxide, cooling and continuously recycling and spraying the resulting products into said zone for further reaction until a predetermined number of alkylene oxide groups have been introduced into said compound, said organic compound being selected from the group consisting of hydroxyl, carboxyl, amino and mercapto compounds, and said cooling being sufficient to maintain said reaction at a temperature at which substantial decomposition of said reaction product is avoided.



DESIGNS

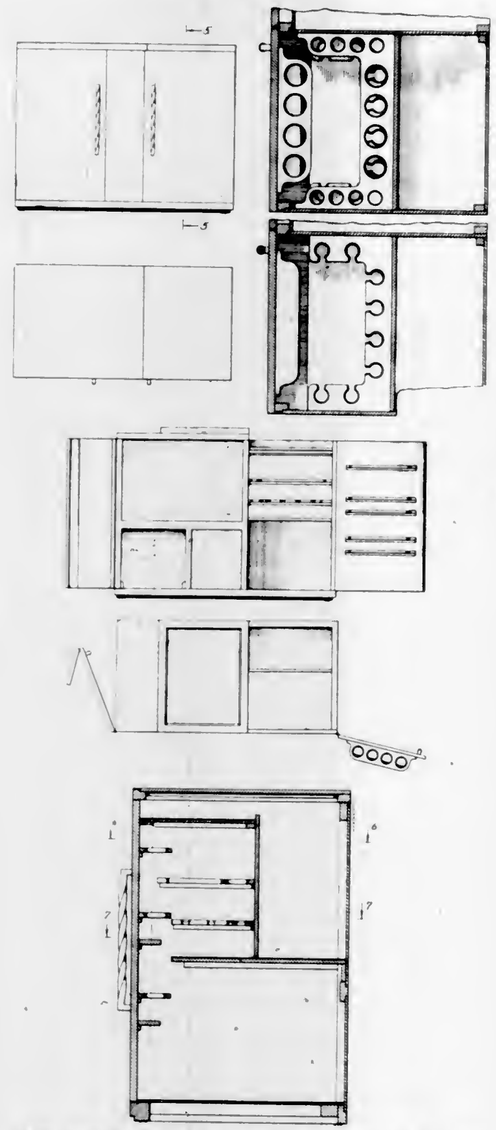
FEBRUARY 19, 1952

165,955

COMBINATION TELEVISION, RADIO-PHONOGRAPH, AND BEVERAGE CABINET

Samuel E. Adler, Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware

Application April 20, 1951, Serial No. 14,903
Term of patent 14 years
(Cl. D56—4)



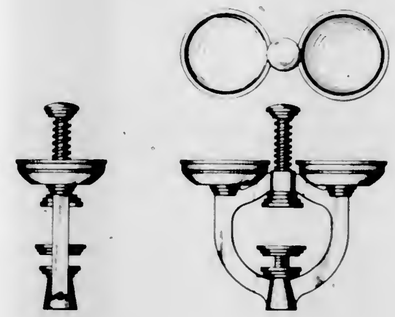
The ornamental design for a combination television, radio-phonograph, and beverage cabinet, as shown and described.

165,956

NUT CRACKER

William Henry Ammon, Los Angeles, Calif.

Application November 3, 1951, Serial No. 17,276
Term of patent 7 years
(Cl. D44—1)



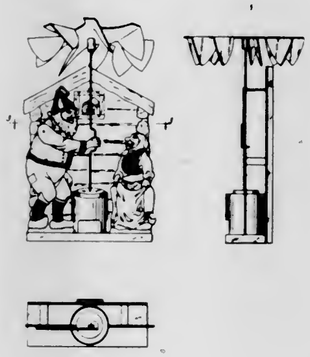
The ornamental design for a nut cracker, substantially as shown.

165,957

SANTA CLAUS WINDMILL TOY

Charles F. Baumann, Oakland, and Verner Schultz, San Leandro, Calif.

Application June 27, 1950, Serial No. 10,772
Term of patent 3½ years
(Cl. D34—15)



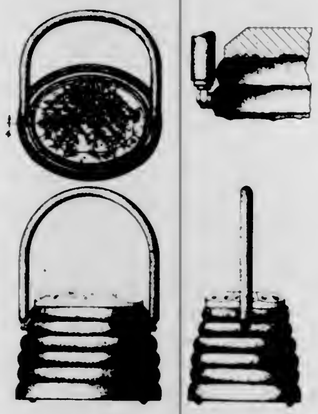
The ornamental design for a Santa Claus windmill toy, as shown.

165,958
DENTAL HAND-PIECE
Robert B. Black, Corpus Christi, Tex.
Application November 9, 1949, Serial No. 5,958
Term of patent 14 years
(Cl. D24—1)



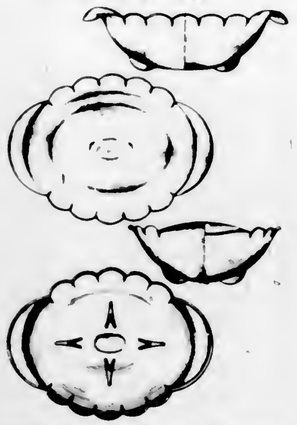
The ornamental design for a dental hand-piece, as shown and described.

165,959
LADY'S HANDBAG
Llewellyn Bley, Ridgefield Park, N. J., assignor to Llewellyn, Inc., New York, N. Y.
Application October 29, 1951, Serial No. 17,162
Term of patent 7 years
(Cl. D87—3)



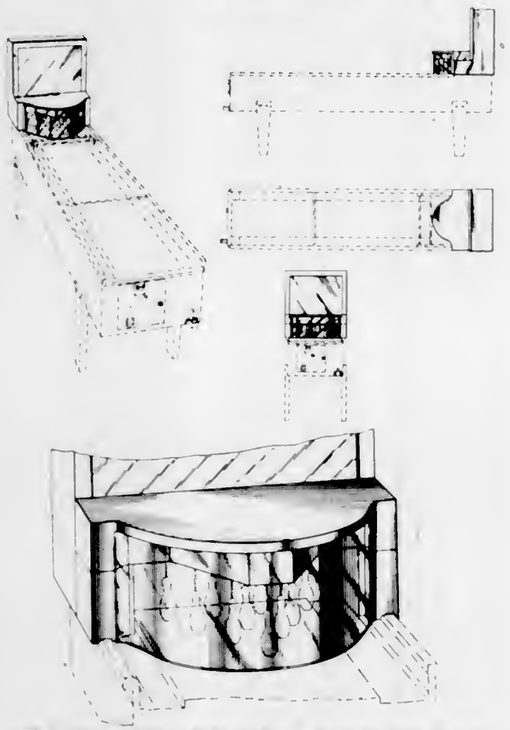
The ornamental design for a lady's handbag, substantially as shown.

165,960
SALAD BOWL
Charles O. Bliss, Los Angeles, Calif.
Application December 8, 1951, Serial No. 17,652
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a salad bowl, as shown.

165,961
HOUSING FOR BOWLING GAMES AND THE LIKE
Charles T. Breitenstein, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application April 7, 1950, Serial No. 9,026
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a housing for bowling games and the like, as shown and described.

165,962
SLIPPER
Gustav Cohn, New York, N. Y.
Application October 20, 1951, Serial No. 17,053
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a slipper, substantially as shown.

165,963
SLIPPER
Gustav Cohn, New York, N. Y.
Application October 20, 1951, Serial No. 17,054
Term of patent 7 years
(Cl. D7—7)



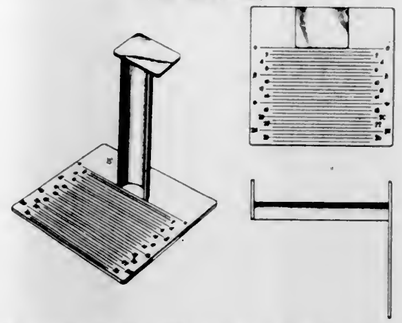
The ornamental design for a slipper, substantially as shown.

165,964
CONTAINER FOR NAIL POLISH OR THE LIKE
Walton B. Crane, Beverly Hills, Calif., assignor to Max Factor & Co., Los Angeles, Calif., a corporation of Delaware
Application June 24, 1950, Serial No. 10,738
Term of patent 14 years
(Cl. D58—8)



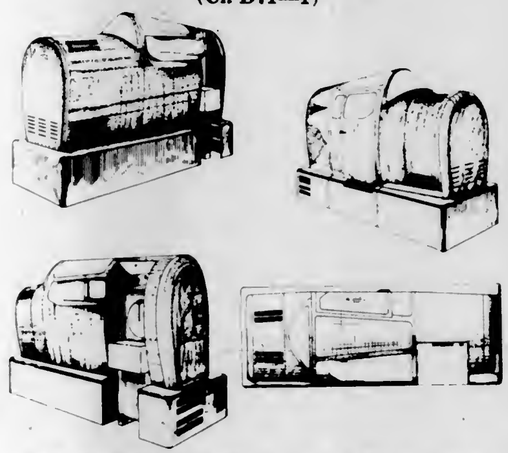
The ornamental design for a container for nail polish or the like, substantially as shown.

165,965
FLOW GAUGE
Frederick K. Daniel, Kew Gardens, N. Y.
Application August 16, 1950, Serial No. 11,782
Term of patent 3½ years
(Cl. D52—1)



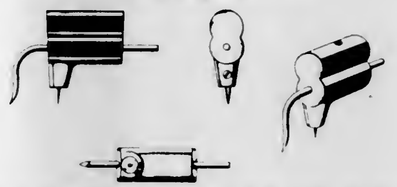
The ornamental design for a flow gauge, as shown.

165,966
FLIGHT TRAINER HOOD
Frederic W. Davis, Caldwell, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application May 25, 1951, Serial No. 15,317
Term of patent 7 years
(Cl. D71—1)



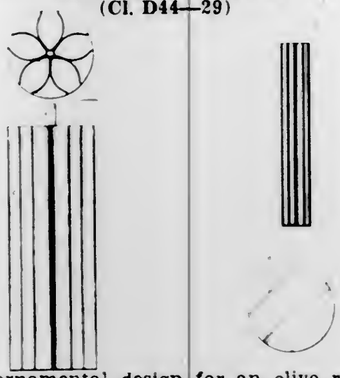
The ornamental design for a flight trainer hood, substantially as shown and described.

165,967
SCRIBER
Fred N. Day, Missoula, Mont.
Application August 10, 1951, Serial No. 16,231
Term of patent 14 years
(Cl. D93—2)



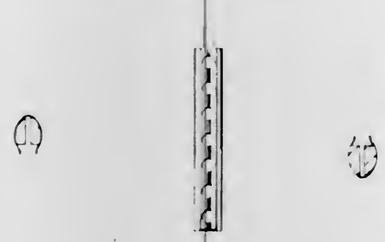
The ornamental design for a scriber, as shown.

165,968
OLIVE RACK
Mario B. Del Conte, Brooklyn, and Edmund L. Del Conte, Richmond Hill, N. Y.
Application September 13, 1950, Serial No. 12,172
Term of patent 14 years
(Cl. D44—29)



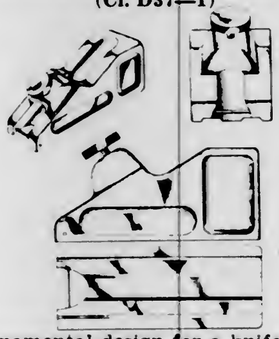
The ornamental design for an olive rack, as shown.

165,969
OLIVE RACK
Mario B. Del Conte, Brooklyn, and Edmund L. Del Conte, Richmond Hill, N. Y.
Application September 13, 1950, Serial No. 12,174
Term of patent 14 years
(Cl. D44—29)



The ornamental design for an olive rack, as shown.

165,970
KNIFE SHARPENING HOLDER
Daniel D. Duncan, Glendale, Calif.
Application June 5, 1950, Serial No. 10,361
Term of patent 14 years
(Cl. D37—1)



The ornamental design for a knife sharpening holder, substantially as shown.

165,971
SHOE
Robert E. Frederick, New York, N. Y.
Application October 17, 1951, Serial No. 16,970
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a shoe, substantially as shown.

165,972
NEGLIGEE
Violet Giovagnoni, New York, N. Y.
Application November 27, 1951, Serial No. 17,537
Term of patent 7 years
(Cl. D3—26)



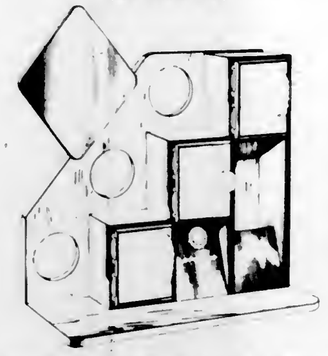
The ornamental design for a negligee, substantially as shown.

165,973
PAIR OF SPECTACLES
Albert Girouard, Leominster, Mass., assignor to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application November 18, 1949, Serial No. 6,123
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a pair of spectacles, substantially as shown and described.

165,974
DISPLAY STAND
Henry P. Glass, Chicago, Ill., assignor to Grand Rapids Hardware Company, Grand Rapids, Mich., a corporation of Michigan
Application June 21, 1951, Serial No. 15,625
Term of patent 14 years
(Cl. D80—9)



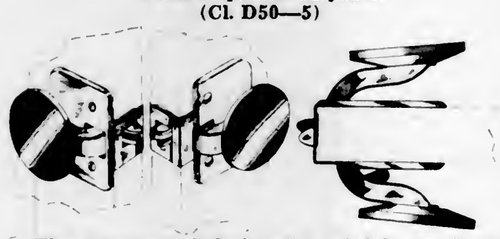
The ornamental design for a display stand, substantially as shown and described.

165,975
STOCKING
Herbert N. Goodman, New York, N. Y., assignor to Triumph Hosiery Mills, Inc., New York, N. Y., a corporation of New York
Application March 25, 1950, Serial No. 8,766
Term of patent 14 years
(Cl. D47—7)



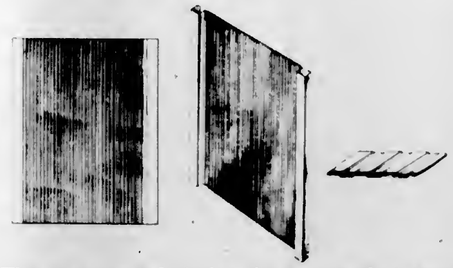
The ornamental design for a stocking, substantially as shown and described.

165,976
LATCH
Chester O. Goserud, St. Paul, Minn.
Application May 19, 1950, Serial No. 10,049
Term of patent 14 years
(Cl. D50—5)



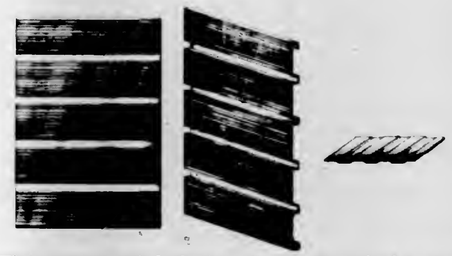
The ornamental design for a latch, as shown and described.

165,977
SPANDREL PANEL
Ralph W. Haman, Flossmoor, Alfred B. Girardy, Chicago, and Donald W. Doman, Harvey, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 16, 1949, Serial No. 6,672
Term of patent 14 years
(Cl. D54—2)



The ornamental design for a spandrel panel, substantially as shown.

165,978
SPANDREL PANEL
Ralph W. Haman, Flossmoor, Alfred B. Girardy, Chicago, and Donald W. Doman, Harvey, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 17, 1949, Serial No. 6,692
Term of patent 14 years
(Cl. D54—2)



The ornamental design for a spandrel panel, substantially as shown.

165,979
HAND GLARE SHIELD
Elizabeth C. Holt, Los Angeles, Calif.
Application November 2, 1951, Serial No. 17,241
Term of patent 14 years
(Cl. D57—1)



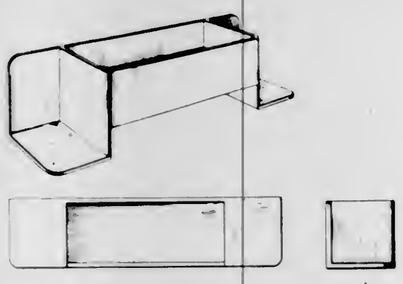
The ornamental design for a hand glare shield, substantially as shown and described.

165,980
ORANGE PEELER
Albert Howard, Brooklyn, N. Y.
Application June 27, 1950, Serial No. 10,776
Term of patent 7 years
(Cl. D22—3)



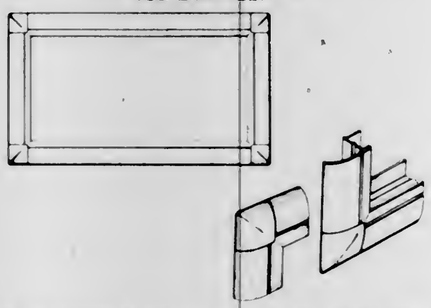
The ornamental design for an orange peeler, as shown.

165,981
ARTICLE HOLDING RACK FOR TABLES
Earl F. Husted, Kansas City, Mo.
Application August 15, 1949, Serial No. 4,512
Term of patent 7 years
(Cl. D44—24)



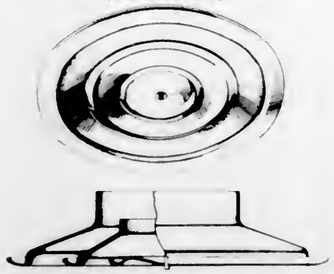
The ornamental design for an article holding rack for tables, as shown.

165,982
SHEET METAL FRAME FOR GRILLES AND THE LIKE
Walter W. Kennedy, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application February 8, 1949, Serial No. 748
Term of patent 14 years
(Cl. D81—21)



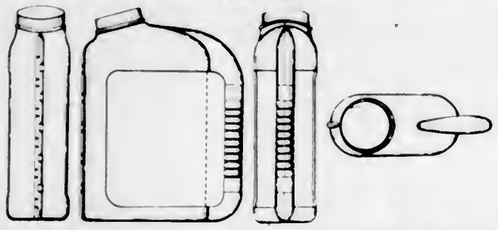
The ornamental design for a sheet metal frame for grilles and the like, substantially as shown.

165,983
AIR DISTRIBUTION OUTLET
Walter W. Kennedy, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application December 29, 1950, Serial No. 13,624
Term of patent 14 years
(Cl. D62—4)



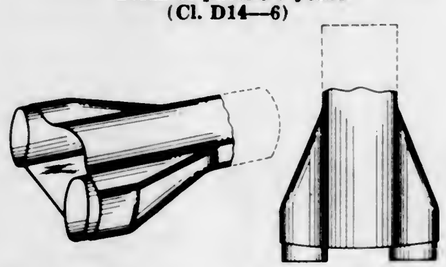
The ornamental design for an air distribution outlet, substantially as shown.

165,984
COMBINED JACKET-HANDLE UNIT AND WATER BOTTLE
Joseph H. Konefes, Libertyville, Ill., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application March 12, 1951, Serial No. 14,463
Term of patent 14 years
(Cl. D58—26)



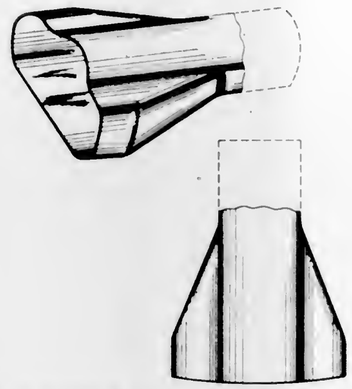
The ornamental design for a combined jacket-handle unit and water bottle, substantially as shown and described.

165,985
EXHAUST PIPE EXTENSION OR SIMILAR ARTICLE FOR AN AUTOMOBILE
Carlton G. Koonter, Fairhaven, Mich., assignor to George C. Knight Company, Detroit, Mich., a corporation of Michigan
Application April 15, 1950, Serial No. 9,238
Term of patent 7 years
(Cl. D14—6)



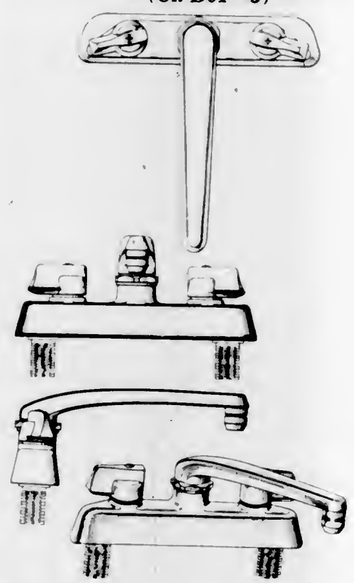
The ornamental design of an exhaust pipe extension or similar article for an automobile, substantially as shown and described.

165,986
EXHAUST PIPE EXTENSION OR SIMILAR ARTICLE FOR AN AUTOMOBILE
Carlton G. Koonter, Fairhaven, Mich., assignor to George C. Knight Company, Detroit, Mich., a corporation of Michigan
Application April 15, 1950, Serial No. 9,239
Term of patent 7 years
(Cl. D14—6)



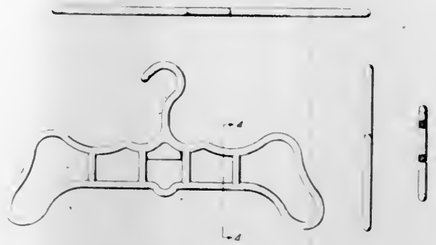
The ornamental design of an exhaust pipe extension or similar article for an automobile, substantially as shown and described.

165,987
FAUCET
Kurt Krafft, Louisville, Ky., assignor to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa., a corporation of Delaware
Application April 14, 1951, Serial No. 14,846
Term of patent 14 years
(Cl. D91—3)



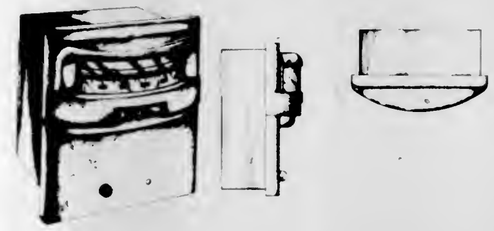
The ornamental design for a faucet, substantially as shown and described.

165,988
COMBINATION BOOTEE DRIER AND COAT HANGER
George J. Kupchik, Brooklyn Village, Ohio
Application May 22, 1951, Serial No. 15,281
Term of patent 14 years
(Cl. D80—8)



The ornamental design for a combination bootee drier and coat hanger, as shown.

165,989
GALVANOMETER
Samuel S. Leotta, Hatboro, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 12, 1949, Serial No. 5,440
Term of patent 14 years
(Cl. D52—1)



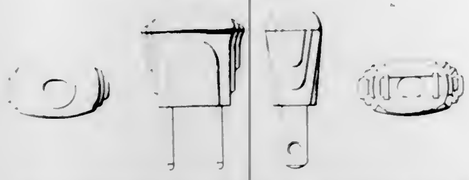
The ornamental design for a galvanometer, substantially as shown.

165,990
PLAY SUIT
Tina Leser, New York, N. Y.
Application March 21, 1951, Serial No. 14,567
Term of patent 7 years
(Cl. D3—17)



The ornamental design for a play suit, substantially as shown and described.

165,991
ELECTRICAL CAP
Louis Ludwig, Brooklyn, N. Y.
Application February 10, 1951, Serial No. 14,173
Term of patent 14 years
(Cl. D26—1)



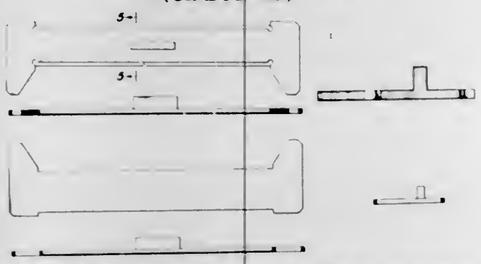
The ornamental design for an electrical cap, as shown.

165,992
HOUSE COAT
Alice Macksoud, New York, N. Y.
Application August 28, 1951, Serial No. 16,459
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a house coat, substantially as shown.

165,993
PAPER REGISTRATION GUIDE FOR AN ELECTROPHOTOGRAPHIC COPYING MACHINE
Clyde R. Mayo, Brighton, N. Y., assignor to The Haloid Company, Rochester, N. Y., a corporation of New York
Application December 8, 1950, Serial No. 13,334
Term of patent 14 years
(Cl. D64—11)



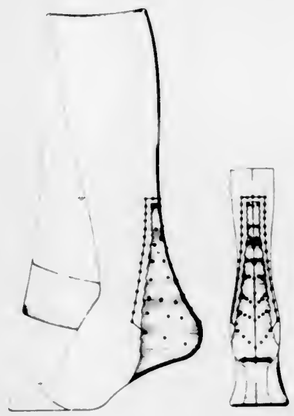
The ornamental design for a paper registration guide for an electrophotographic copying machine, as shown.

165,994
STOCKING
Julius Miran, New York, N. Y.
Application August 24, 1951, Serial No. 16,426
Term of patent 14 years
(Cl. D47—7)



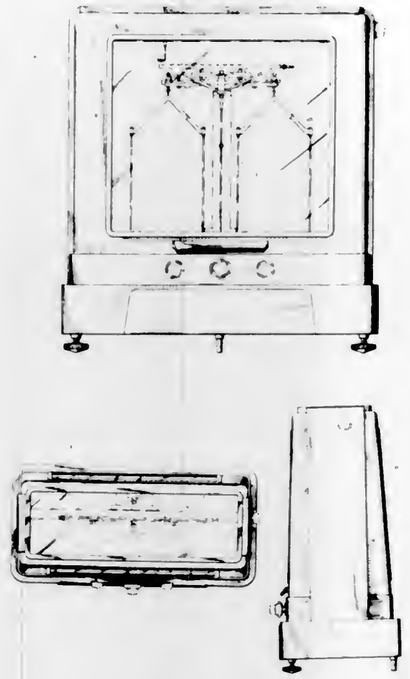
The ornamental design for a stocking, substantially as shown.

165,995
STOCKING
Julius Miran, New York, N. Y.
Application August 24, 1951, Serial No. 16,428
Term of patent 14 years
(Cl. D47—7)



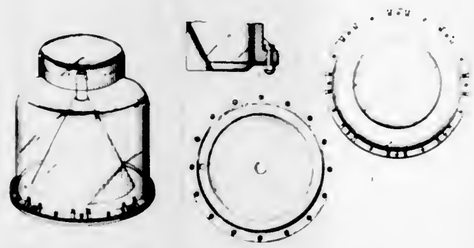
The ornamental design for a stocking, substantially as shown.

165,996
ANALYTICAL BALANCE
Carl Otto and Jay Doblin, New York, N. Y., assignors to The Torsion Balance Company, Clifton, N. J., a corporation of New York
Application April 3, 1951, Serial No. 14,701
Term of patent 14 years
(Cl. D52—10)



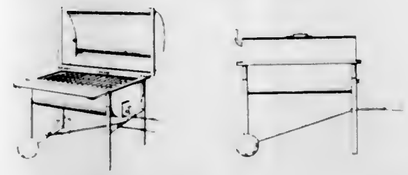
The ornamental design for an analytical balance, as shown and described.

165,997
LIQUID CONTAINING RESERVOIR OF A DRINK DISPENSING MACHINE
George Persak, Jr., Verona, N. J., assignor to The Oiljak Manufacturing Co., Inc., Montclair, N. J., a corporation of New Jersey
Application April 7, 1951, Serial No. 14,748
Term of patent 14 years
(Cl. D2—3)



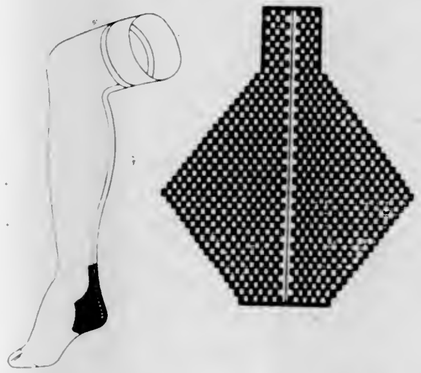
The ornamental design for a liquid containing reservoir of a drink dispensing machine, substantially as shown.

165,998
PORTABLE BARBECUE
Maurice B. Pollard, Pampa, Tex.
Application August 4, 1950, Serial No. 11,610
Term of patent 14 years
(Cl. D81—10)



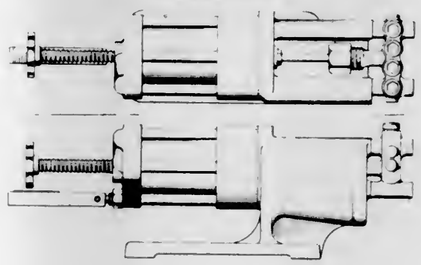
The ornamental design for a portable barbecue, as shown and described.

165,999
LADY'S STOCKING
Lewis Poole, Harriman, Tenn., assignor to Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware
Application August 10, 1951, Serial No. 16,227
Term of patent 14 years
(Cl. D47—7)

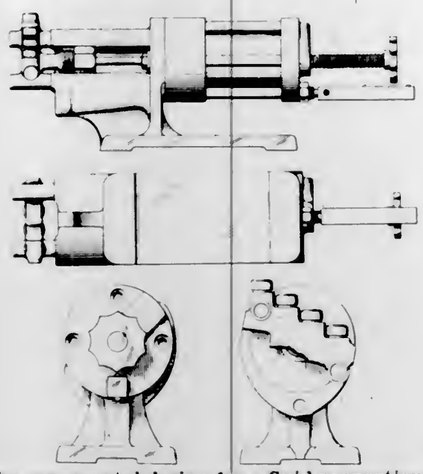


The ornamental design for a lady's stocking, as shown.

166,000
FLUID PROPORTIONING PUMP
Royal Bartlett Saalfrank, Gulfport, Fla., and Arthur D. Fell, Jr., Hatboro, Pa., assignors to Milton Roy Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 30, 1951, Serial No. 14,666
Term of patent 14 years
(Cl. D65—1)

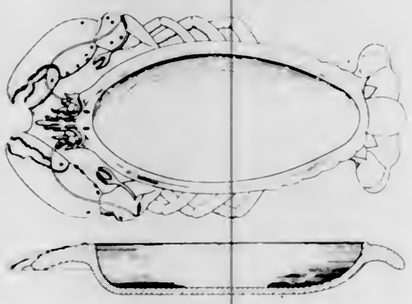


166,000—Continued



The ornamental design for a fluid proportioning pump, as shown.

166,001
GLASS DISH
Paul G. Sailer, Jeannette, Pa.
Application September 8, 1951, Serial No. 16,580
Term of patent 14 years
(Cl. D36—2)



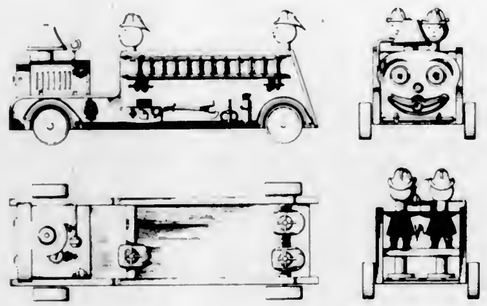
The ornamental design for a glass dish, as shown and described.

166,002
BOTTLE
Javier Serra, New York, N. Y., assignor to Les Parfums De Dana, Inc., New York, N. Y., a corporation of New York
Application June 18, 1951, Serial No. 15,578
Term of patent 14 years
(Cl. D58—6)



The ornamental design for a bottle, as shown.

166,003
TOY FIRE TRUCK
Leslie W. Sly, Herman G. Fisher, Ralph W. Crawford, and Walter P. Doe, East Aurora, N. Y., assignors to Fisher-Price Toys, Inc., East Aurora, N. Y.
Application June 13, 1950, Serial No. 10,488
Term of patent 14 years
(Cl. D34—15)



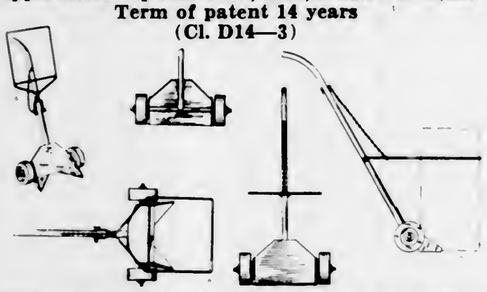
The ornamental design for a toy fire truck, as shown and described.

166,004
MATCHBOOK CASE OR SIMILAR ARTICLE
David Sobel, Revere, Mass.
Application April 14, 1951, Serial No. 14,833
Term of patent 3½ years
(Cl. D48—29)



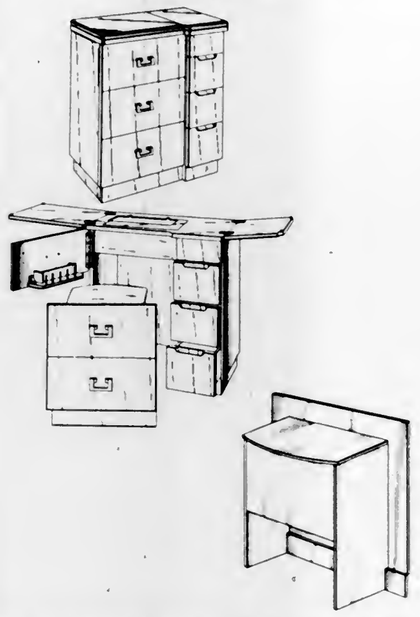
The ornamental design for a matchbook case or similar article, substantially as shown.

166,005
HAND TRUCK
Walter E. Summerhill, Chardon, Ohio, assignor to The National Screw & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application September 14, 1950, Serial No. 12,189
Term of patent 14 years
(Cl. D14—3)



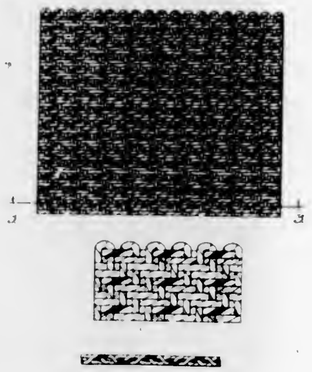
The ornamental design for a hand truck, substantially as shown and described.

166,006
COMBINED SEWING MACHINE CABINET AND SEAT
Harry A. Trumfio, Chicago, Ill.
Application March 7, 1950, Serial No. 8,374
Term of patent 14 years
(Cl. D33—12)



The ornamental design for a combined sewing machine cabinet and seat, substantially as shown and described.

166,007
FLOOR COVERING
Philip C. Waite, Oshkosh, Wis., assignor to Waite Carpet Company, Oshkosh, Wis., a corporation of Wisconsin
Application March 21, 1950, Serial No. 8,662
Term of patent 14 years
(Cl. D92—4)



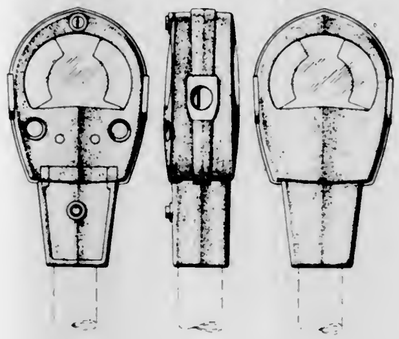
The ornamental design for a floor covering, as shown and described.

166,008
COCKTAIL GLASS
Constance J. Witten, Bay Shore, N. Y.
Application September 12, 1951, Serial No. 16,608
Term of patent 14 years
(Cl. D36—8)



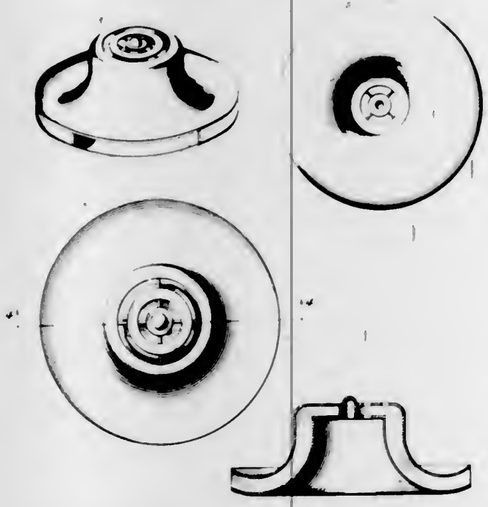
The ornamental design for a cocktail glass, substantially as shown.

166,009
PARKING METER
William N. Woodruff, Cincinnati, Ohio, assignor to The Herschede Hall Clock Company, Cincinnati, Ohio, a corporation of Ohio
Application November 13, 1950, Serial No. 12,941
Term of patent 14 years
(Cl. D52—3)



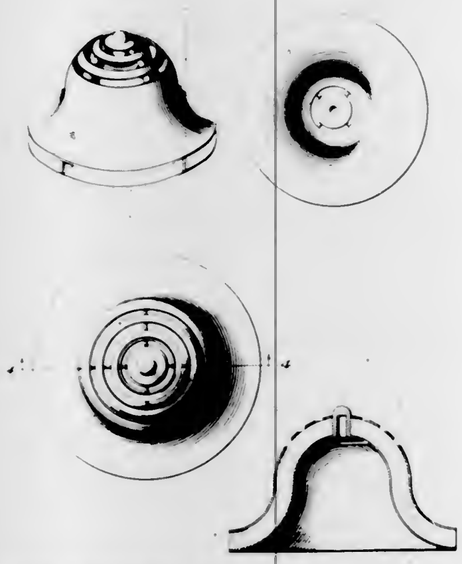
The ornamental design for a parking meter, as shown and described.

166,010
AIR CIRCULATING ROTOR OR SIMILAR ARTICLE
Joseph H. Woodward, Miami, Fla.
Application May 18, 1950, Serial No. 10,029
Term of patent 14 years
(Cl. D26—7)



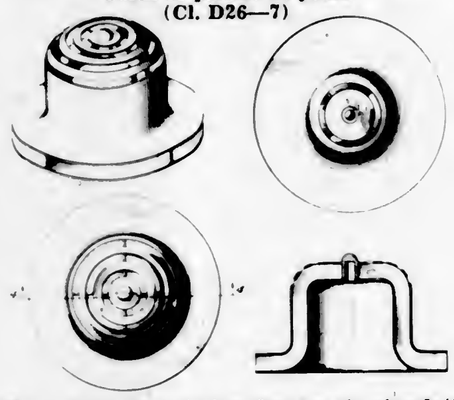
The ornamental design for an air circulating rotor or similar article, as shown.

166,011
AIR CIRCULATING ROTOR OR SIMILAR ARTICLE
Joseph H. Woodward, Miami, Fla.
Application May 18, 1950, Serial No. 10,031
Term of patent 14 years
(Cl. D26—7)



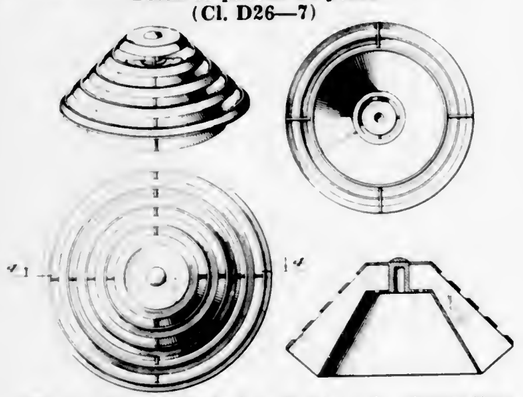
The ornamental design for an air circulating rotor or similar article, as shown.

166,012
AIR CIRCULATING ROTOR OR SIMILAR ARTICLE
Joseph H. Woodward, Miami, Fla.
Application May 18, 1950, Serial No. 10,032
Term of patent 14 years
(Cl. D26—7)



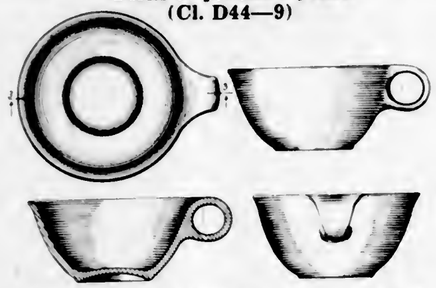
The ornamental design for an air circulating rotor or similar article, as shown.

166,013
AIR CIRCULATING ROTOR OR SIMILAR ARTICLE
Joseph H. Woodward, Miami, Fla.
Application May 18, 1950, Serial No. 10,033
Term of patent 14 years
(Cl. D26—7)



The ornamental design for an air circulating rotor or similar article, as shown.

166,014
CUP
Russel Wright, New York, N. Y.
Application December 13, 1950, Serial No. 13,412
Term of patent 7 years
(Cl. D44—9)



The ornamental design for a cup, as shown.

Official Gazette

UNITED STATES PATENT OFFICE

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Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A/B Normanna Packers Union Ltd.: *See*—
Tokstad, Ingvar.

Abbott Laboratories, North Chicago, Ill. Mineral vitamin preparation. Serial No. 615,597, Feb. 26. Class 18.

Ace Fastener Corporation, Chicago, Ill. Hand-operated stapling machines. Serial No. 596,380, Feb. 26. Class 23.

Addressograph-Multigraph Corporation, Cleveland, Ohio. Chemicals. Serial No. 615,808, Feb. 26. Class 6.

Adelcia, St. Petersburg, Fla. Earrings. Serial No. 604,510, Feb. 26. Class 28.

Alamo Manufacturing Co., Inc., New York, N. Y. Backwrap and brunch-coat. Serial No. 600,527, Feb. 26. Class 39.

Allen Industries, Incorporated, Detroit, Mich. Crib mattresses. Serial No. 586,454, Feb. 26. Class 32.

Allied Mills, Inc., Chicago, Ill. Dog, fox, turkey, and poultry feeds. Serial No. 572,545, Feb. 26. Class 46.

Aloyl Company, The: *See*—
Warren, Lyman B., Jr.

Alsop Engineering Corporation, Milldale, Conn. Liquid filters, filter discs and parts thereof. Serial No. 607,475, Feb. 26. Class 31.

American Foam Rubber Corporation, Burlington, N. J., and New York, N. Y. Sponge rubber pillows. Serial No. 605,573, Feb. 26. Class 32.

American Lubricants Co., The, Dayton, Ohio. High temperature lubricating grease. Serial No. 614,924, Feb. 26. Class 15.

American Mat Corporation, Toledo, Ohio. Protective and cushioning mats and rugs. Serial No. 604,177, Feb. 26. Class 50.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio, now by merger, United States Steel Company. Electrical wire. Serial No. 616,808, Feb. 26. Class 21.

Arago Cooperative Cheese Association, Arago, Oreg. Cheese. Serial No. 617,528, Feb. 26. Class 46.

Ardin, Lucien, Inc., New York, N. Y. Wines and vermouth. Serial No. 614,120, Feb. 26. Class 47.

Arma Corporation, Brooklyn, N. Y. Calculating apparatus. Serial No. 615,435, Feb. 26. Class 26.

Armand Schwab & Co., Inc, New York, N. Y. Millinery braids. Serial No. 605,919, Feb. 26. Class 40

Armstrong Cork Company, Lancaster, Pa. Linoleum. Serial No. 616,008, Feb. 26. Class 20.

Artistic Beauty Products Company, Los Angeles, Calif. Hair shampoo. Serial No. 592,746, Feb. 26. Class 52.

Aseptic-Thermo Indicator Co., Los Angeles, Calif. Chemically treated paper indicators. Serial No. 598,941, Feb. 26. Class 6.

Associated American Artists, Inc., New York, N. Y. Cigarette boxes and ash trays. Serial No. 616,400, Feb. 26. Class 8.

Associated American Artists, Inc., New York, N. Y. Cigarette boxes and ash trays. Serial No. 616,402, Feb. 26. Class 8.

Avonnac Shoe Company, Chicago, Ill. Men's, women's, and children's shoes. Serial No. 615,528, Feb. 26. Class 39.

Bach, Loyal M., doing business under the firm name and style of Reserva-Chek Co., Pacific Palisades, Calif. Check form and correspondence envelope. Serial No. 593,905, Feb. 26. Class 37.

Baer Brothers, New York, N. Y. Paste and ready mixed paints and varnishes. Serial No. 561,714, Feb. 26. Class 16.

Baitch & Castaldi, Inc., New York, N. Y. Ladies', misses', and juniors' coats and suits. Serial No. 614,609, Feb. 26. Class 39.

Ballinger, W. A., & Co., San Francisco, Calif. Sheets and pillowcases. Serial No. 618,876, Feb. 26. Class 42.

Barclay Manufacturing Company, Inc., New York, N. Y. Periodicals. Serial No. 576,841, Feb. 26. Class 38.

Baxter Laboratories, Inc., Morton Grove, Ill. Fluids for parenteral use. Serial No. 620,382, Feb. 26. Class 18.

Baxter Laboratories, Inc., Morton Grove, Ill. Nasal catheters, stomach tubes, rectal tubes, etc. Serial No. 620,383, Feb. 26. Class 44.

Bayshore Industries, Inc., Elkton, Md. Halloween, masquerade, and party costumes. Serial No. 621,642, Feb. 26. Class 39.

Bearfoot Sole Company, Inc., The, Boston, Mass. Soles and heels. Serial No. 615,476-7, Feb. 26. Class 39.

Belknap Hardware and Manufacturing Company, Louisville, Ky. Bush whacker, pruning shears, hedge shears, etc. Serial No. 579,074, Feb. 26. Class 23.

Bobby Pops Corp., Rochester, N. Y. Frozen confections. Serial No. 602,359, Feb. 26. Class 46.

Boericke & Runyon, Inc., New York, N. Y. Metabolic oxidative factors tablets. Serial No. 614,811, Feb. 26. Class 18.

Bone Dry Shoe Mfg. Co., Tacoma, Wash. Leather work shoes. Serial No. 603,832, Feb. 26. Class 39.

Bredin, Lewis L., doing business as Vitalitea Products Company, Pacific Palisades, Calif. Tea. Serial No. 601,192, Feb. 26. Class 46.

British Kipper Exporters, Limited, Edinburgh, Scotland. Fresh frozen kippered herring. Serial No. 604,559, Feb 26. Class 46.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables and parts thereof. Serial No. 598,881, Feb. 26. Class 22.

Brunswick Soap Co., Inc., Brooklyn, N. Y. Soap. Serial No. 540,377, Feb. 26. Class 52.

Business Systems, Inc., assignor to Scriptomatic, Inc., Philadephia, Pa. Data copying machines. Serial No. 608,814, Feb. 26. Class 23.

Byron Weston Company, Dalton, Mass. Writing paper. Serial No. 574,070, Feb. 26. Class 37.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. Serial No. 613,623, Feb. 26. Class 6.

Carpenter Steel Company, The, Reading, Pa. Steel. Serial No. 618,680, Feb. 26. Class 14.

Carter, William, Company, The, Needham Heights, Mass. Infants' and children's sun suits. Serial No. 616,411, Feb. 26. Class 39.

Castro Decorators, Inc., New York, N. Y. Upholstered furniture. Serial No. 598,884, Feb. 26. Class 32.

Cheez Whip, Inc., Buffalo, N. Y. Cottage cheese. Serial No. 595,446, Feb. 26. Class 46.

Christian Science Publishing Society, The, Boston, Mass. Periodical. Serial No. 615,269, Feb. 26. Class 38.

Church & Dwight Co., Inc., New York and Syracuse, N. Y. General purpose household cleaner. Serial No. 602,674, Feb. 26. Class 52.

Coats, J. & P. (R. I.) Inc., Pawtucket, R. I. Thread. Serial No. 607,956, Feb. 26. Class 43.

Cobblers Incorporated, Los Angeles, Calif. Women's shoes. Serial No. 611,503, Feb. 26. Class 39.

Collins, William B., Company, Gloversville and Johnstown, N. Y. Newspaper. Serial Nos. 615,481-2, Feb. 26. Class 38.

Colt Shoe Company, Boston, Mass. Shoes. Serial No. 604,904, Feb. 26. Class 39.

Columbia Publications, Inc., New York, N. Y., and Holyoke, Mass. Fiction story magazine. Serial No. 574,017, Feb. 26. Class 38.

Columbian Steel Tank Company, Kansas City, Mo. Hog feeders; portable hog waterers, and portable stock fountains. Serial No. 578,377, Feb. 26. Class 50.

Commercial Solvents Corporation, New York, N. Y. Compositions for cleaning carburetors, fuel pumps, etc. Serial No. 585,432, Feb. 26. Class 52.

Conn, C. G., Ltd., Elkhart, Ind. Musical, various sound-emitting, and percussion instruments. Serial No. 593,531, Feb. 26. Class 36.

Cope, Martin H., Company, Rheems, Pa. Canned evaporated sweet corn and dried packaged corn. Serial No. 616,626, Feb. 26. Class 46.

Corry-Jamestown Manufacturing Corporation, Corry, Pa. Metal furniture and office equipment. Serial No. 587,161, Feb. 26. Class 32.

Courl-Amoury Inc., New York, N. Y. Infants' diapers. Serial No. 597,129, Feb. 26. Class 39.

Coventry Gauge & Tool Company Limited, Coventry, England. Mensuring gauges, apparatus, instruments, and accessories. Serial No. 601,126, Feb. 26. Class 26.

Crawford Watch Corporation, New York, N. Y. Watches. Serial No. 604,520, Feb. 26. Class 27.

Cresca Company, Inc., New York, N. Y. Artichoke bottoms, bar le duc, capers, etc. Serial No. 599,554, Feb. 26. Class 46.

Crown Zellerbach Corporation, also doing business under the name of National Paper Products Sales Company, San Francisco, Calif. Toilet tissue. Serial No. 610,513, Feb. 26. Class 37.

D. Jordaan & Zonen's Textielfabrieken N. V. Haaksbergen, Netherlands. Textile piece goods, table cloths, doilies, etc. Serial No. 588,959, Feb. 26. Class 42.

Day's Tailor-D Clothing, Inc., Tacoma, Wash. Piece goods. Serial No. 602,548, Feb. 26. Class 42.

De La Salle Institute, doing business as Mont La Salle Vineyards, Napa, Calif. Altar wines. Serial No. 511,010, Feb. 26. Class 47.

Del Giudice, Sebastiano, Cleveland, Ohio. Cement, concrete, plaster and mortar working and finishing tools. Serial No. 566,283, Feb. 26. Class 23.

Diamond Alkali Company, Cleveland, Ohio. Inorganic detergent. Serial No. 561,890, Feb. 26. Class 52.

Dispensers, Inc., Los Angeles, Calif. Detachable glass bases with metal handles and dispensing closures. Serial No. 598,946, Feb. 26. Class 13.

Doud Milling Company, Denison, Iowa. Pancake flour, breakfast cereal, corn meal, etc. Serial No. 618,538, Feb. 26. Class 46.

Drew, E. F., & Co. Inc., New York, N. Y. Organic condensation product. Serial No. 550,999, Feb. 26. Class 52.

Drexel Furniture Company, Drexel, N. C. Bedroom, dining room, and living room furniture. Serial No. 591,022, Feb. 26. Class 32.

Eaton Canning Company, Eaton, Ind. Canned tomato juice, canned tomato puree, canned vegetables, etc. Serial No. 609,635, Feb. 26. Class 46.

Editors Press Service, Inc., New York, N. Y. Newspaper and magazine copy material. Serial No. 609,402, Feb. 26. Class 38.

Educational Testing Service, Princeton, N. J. Testing services. Serial No. 615,542, Feb. 26. Class 100.

Educational Testing Service, Princeton, N. J. Printed publications. Serial No. 616,701, Feb. 26. Class 38.

Empire Carpet Corporation, New York, N. Y. Textile rugs and carpets. Serial No. 584,980, Feb. 26. Class 42.

Ero Manufacturing Company, Chicago, Ill. Multiple purpose hassock and storage receptacle. Serial No. 577,780, Feb. 26. Class 32.

Estabelecimentos Manuel da Silva Torrado & Ca. (Irmaos), Sacavem de Baixo and Lisbon, Portugal. Ripe olives. Serial No. 588,017, Feb. 26. Class 46.

Esterbrook Pen Company, The, Camden, N. J. Series of fountain pens and ink well combinations and paper pads. Serial No. 592,138, Feb. 26. Class 37.

Eutectic Welding Alloys Corporation, New York and Flushing, N. Y. Brazing shims. Serial No. 613,505, Feb. 26. Class 35.

Falls City Creamery Company, Falls City, Nebr. Food compound. Serial No. 616,907, Feb. 26. Class 46.

Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Textile printing colors. Serial No. 611,347, Feb. 26. Class 6.

Fastex, Incorporated, Cleveland, Ohio. Partially printed record books. Serial No. 601,987, Feb. 26. Class 37.

Feinberg-Wiesen, Inc., New York, N. Y. Dresses and ladies' suits. Serial No. 591,154, Feb. 26. Class 39.

Feller-Jones Corporation, New York, N. Y. Cleaner fluid. Serial No. 593,065, Feb. 26. Class 52.

Fiedler, Irving, Hollywood, Calif. Board games. Serial No. 594,111, Feb. 26. Class 22.

Field, M. Wayne, Minneapolis, Minn. Silver table cutlery. Serial No. 611,951, Feb. 26. Class 28.

Fine Organics, Inc., New York, N. Y. Alkali cleaning composition. Serial No. 608,597, Feb. 26. Class 52.

Fine Organics, Inc., New York, N. Y. Cleaning composition. Serial No. 608,598, Feb. 26. Class 52.

Finkel Umbrella Frame Company, Inc., The, New York, N. Y. Garden umbrellas. Serial No. 563,672, Feb. 26. Class 32.

Fisher, Leigh, doing business as Leigh Fisher & Associates, South Bend, Ind. Letterheads, brochures, instruction manuals, mailing envelopes, etc. Serial No. 595,718, Feb. 26. Class 37.

Fisher, Leigh, & Associates: *See*—
Fisher, Leigh.

Fitwell Hosiery, Inc., Milwaukee, Wis. Ladies' and misses' hosiery. Serial No. 541,121, Feb. 26. Class 39.

Florsheim Shoe Company, The, Chicago, Ill. Men's and women's shoes and boots. Serial No. 618,494, Feb. 26. Class 39.

Fostoria Glass Company, Moundsville, W. Va. Drinking glasses. Serial No. 611,569, Feb. 26. Class 33.

Fromm Laboratories, Inc., Grafton, Wis. Vaccine. Serial Nos. 616,025–7, Feb. 26. Class 18.

Galter, Jack, Chicago, Ill. Clocks and electric clocks. Serial Nos. 611,835–6, Feb. 26. Class 27.

Gardner Board and Carton Co., The, Middletown, Ohio. Paperboard. Serial No. 611,350, Feb. 26. Class 37.

General Foods Corporation, New York, N. Y. Frozen vegetables and frozen poultry. Serial No. 615,276, Feb. 26. Class 46.

General Refractories Company, Philadelphia, Pa. High temperature refractory cement. Serial No. 555,870, Feb. 26. Class 12.

General Steel Warehouse Co., Inc., Chicago, Ill. Hot rolled bars and shapes, hot rolled sheets and strip, brass bars and shapes, etc. Serial No. 619,879, Feb. 26. Class 14.

General Teleradio, Inc., Carteret, N. J. Monthly periodical. Serial No. 614,297, Feb. 26. Class 38.

Gerber Products Company, Fremont, Mich. Canned foods. Serial No. 564,382, Feb. 26. Class 46.

Gerber Products Company, Fremont, Mich. Canned foods. Serial No. 564,384, Feb. 26. Class 46.

Gerber Products Company, Oakland, Calif. Canned fruits, canned vegetables, canned vegetable juices, etc. Serial No. 607,496, Feb. 26. Class 46.

Gerry Nufoam Shoe Corporation, New York, N. Y. Women's and children's shoes and slippers. Serial No. 606,466, Feb. 26. Class 39.

Genting, A. H., Company, Philadelphia, Pa. Men's leather shoes. Serial No. 541,130, Feb. 26. Class 39.

Gibian, Francis, Inc., New York, N. Y. Hosiery, stockings, socks, etc. Serial No. 610, 015, Feb. 26. Class 39.

Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fluid-dispensing pumps. Serial No. 606,770, Feb. 26. Class 26.

Gold Kist Wine Company: *See*—
Schenley Distillers Corporation.

Gravymaster Company, Inc., Long Island City, N. Y. Prepared gravies. Serial No. 609,923, Feb. 26. Class 46.

Gundlach, G. P., & Co., Inc., Cincinnati, Ohio. Ice cream. Serial No. 601,866, Feb. 26. Class 46.

Gundlach, G. P., & Co., Inc., Cincinnati, Ohio. Salad dressing. Serial No. 607,250, Feb. 26. Class 46.

Gunther, Wagner, S. R. L., Buenos Aires, Argentina. Drawing inks, chinese inks, writing inks, etc. Serial No. 569,843, Feb. 26. Class 11.

Haas Miller Corporation, Philadelphia, Pa. Cationic lubricant. Serial No. 615,130, Feb. 26. Class 15.

Handel, C. W., Newark, Ohio. Liquid preparation for application to artificial and natural fish bait. Serial No. 605,281, Feb. 26. Class 6.

Hardman, Florence M., doing business under the name and style of X-Act Company, Chicago, Ill. Household cleaning cream. Serial No. 605,096, Feb. 26. Class 52.

Harris, A. B., Company: *See*—
Harris, Albert B.

Harris, Albert B., doing business as A. B. Harris Company, New York, N. Y. Canned fish. Serial No. 578,930, Feb. 26. Class 46.

Hastings Manufacturing Company, Hastings, Mich. Piston rings. Serial No. 617,496, Feb. 26. Class 35.

Hertz, Alexander, Forest Hills, N. Y. Plastic tray. Serial No. 589,900, Feb. 26. Class 2.

Hiller Helicopters *See*—
United Helicopters, Inc.

Hoffman, Roy D., doing business as Penn Laboratories, Bedford, Pa. Liquid composition for use in the treatment of athlete's foot. Serial No. 615,325, Feb. 26. Class 18.

Hollins, William, & Company Limited, Nottingham, England. Woolen piece goods. Serial No. 612,912, Feb. 26. Class 42.

Hooper Paper & Twine Co., Inc., Philadelphia, Pa. Paper and paper products. Serial No. 598,183, Feb. 26. Class 37.

Independent Pneumatic Tool Company, Chicago, Ill. Pneumatically actuated portable and stationary power tools and machines. Serial No. 555,514, Feb. 26. Class 23.

Inter-Continental Trading Corporation, New York, N. Y. Calipers. Serial No. 618,704, Feb. 26. Class 26.

James Hosiery Mills, Incorporated, Greeneville, Tenn. Ladies' full-fashioned stockings. Serial No. 605,003, Feb. 26. Class 39.

Jetron Company, Milwaukee, Wis. Silicone base cleaning wax preparation. Serial No. 605,745, Feb. 26. Class 52.

Jo-Ann Vineyards: *See*—
Schenley Industries, Inc.

Johnson & Johnson, New Brunswick, N. J. Small kit of emergency first aid supplies. Serial No. 598,082, Feb. 26. Class 44.

Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoes. Serial No. 612,400, Feb. 26. Class 39.

Kagran Corporation, assignee: *See*—
Smith, Robert E.

Keuffel & Esser Company, Hoboken, N. J. Drawing and tracing papers. Serial No. 605,799, Feb. 26. Class 37.

Keuffel & Esser Company, Hoboken, N. J. Drawing papers. Serial No. 605,801, Feb. 26. Class 37.

Klik Promotions, Inc., New York, N. Y. Picture frames. Serial No. 613,775, Feb. 26. Class 32.

Knapp Mills Incorporated, Long Island City, N. Y. Electrodes. Serial No. 611,031, Feb. 26. Class 14.

Kohnstamm, H., & Co., Inc., New York, N. Y. Soap, soap in chips and bars, powdered soap, etc. Serial No. 597,531, Feb. 26. Class 52.

Koret of California, Inc., San Francisco, Calif. Women's, misses', and children's, dresses, halters, outer shorts, etc. Serial No. 610,497, Feb. 26. Class 39.

Lapidary Equipment Company Inc., Seattle, Wash. Lapidarist's machines and attachments thereto and parts thereof. Serial No. 607,178, Feb. 26. Class 23.

Laros Textiles Company, Bethlehem, Pa. Ladies' hosiery. Serial No. 578,031, Feb. 26. Class 39.

Laughlin, Thomas, Company, The, Augusta and Portland, Maine. Clips for wire rope and cables. Serial No. 617,406, Feb. 26. Class 13.

Lees, James, and Sons Company, Bridgeport, Pa. Partly finished needlepoint. Serial No. 612,170, Feb. 26. Class 40.

Leslie-Henry Co., Inc., New York, N. Y. Toy pistols and holster sets. Serial No. 601,875, Feb. 26. Class 22.

Life Records, Inc., New York, N. Y. Grooved phonograph records. Serial No. 560,114, Feb. 26. Class 36.

London Pride Limited, London, England. Articles of outer clothing for women and children. Serial No. 598,085, Feb. 26. Class 39.

Loysted, C. M., & Co., Inc., Seattle, Wash. Dry kilns. Serial No. 566,347, Feb. 26. Class 34.

Lowell Manufacturing Company: *See*—
Lowell Specialty Company of Lowell, Mich.

Lowell Specialty Company of Lowell, Mich., doing business under the name Lowell Manufacturing Company, Chicago, Ill. Power operated sprayer. Serial No. 601,931, Feb. 26. Class 23.

Lundqvist, Oskar H., Stockholm, Sweden. Cabinets, chests of drawers, storage lockers, etc. Serial No. 585,454, Feb. 26. Class 32.

MacFadden Publications, Inc., New York, N. Y. Monthly magazine. Serial No. 599,832, Feb. 26. Class 38.

Magnaflux Corporation, Chicago, Ill. Making magnetic particle inspections of submitted ferro magnetic articles. Serial No. 612,868, Feb. 26. Class 103.

Mail-Well Envelope Company, Portland, Oreg. Mailing envelopes. Serial No. 604,980, Feb. 26. Class 37.

Mancusi, Attilio, doing business as Tyson Radio Company, Carle Place, N. Y. Electrical apparatus. Serial No. 595,792, Feb. 26. Class 21.

Margolin Shoe Company, Chicago, Ill. Shoes. Serial No. 535,335, Feb. 26. Class 39.

Markwell Manufacturing Co., Inc., New York, N. Y. Stapling machines. Serial No. 606,621, Feb. 26. Class 23.

Martin Fabrics Corporation, New York, N. Y. Velvet and pile fabrics. Serial No. 608,365, Feb. 26. Class 42.

Martin, J. Kendley, Atlanta, Ga., doing business as The Standard Feed Milling Company, Hopkinsville, Ky. Poultry feeds, turkey feeds and livestock feeds. Serial No. 566,527, Feb. 26. Class 46.

Martin, Peter B., New York, N. Y. Periodical publication. Serial No. 594,720, Feb. 26. Class 38.

Masback Incorporated, New York, N. Y. Adze eye hammer handles, ash pit scoops, etc. Serial No. 561,843, Feb. 26. Class 23.

Matthews, W. N., Corporation, St. Louis, Mo. Thermally operated switches. Serial No. 608,319, Feb. 26. Class 26.

Matthews, W. N., Corporation, St. Louis, Mo. Thermally operated switches. Serial No. 608,366, Feb. 26. Class 26.

McBee Company, The, Athens, Ohio. Stationery. Serial No. 543,621, Feb. 26. Class 37.

Mennel Milling Company, The, Fostoria, and Toledo, Ohio. Wheat flour. Serial No. 587,342, Feb. 26. Class 46.

Mennel Milling Company, The, Fostoria, and Toledo, Ohio. Wheat flour. Serial No. 587,345, Feb. 26. Class 46.

Mesberg, B. G.: *See*—
Mesberg, Bernard G.

Mesberg, Bernard G., doing business under the firm name and style of B. G. Mesberg, New York, N. Y. Bedroom, living room, dining room and kitchen furniture. Serial No. 593,736, Feb. 26. Class 32.

Milani, Louis, Foods, Inc., Los Angeles, Calif. Seasoning. Serial No. 581,820, Feb. 26. Class 46.

Miller and Miller, Inc., Atlanta, Ga. Printed labels. Serial No. 617,155, Feb. 26. Class 38.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Envelope, container, and wrapping paper. Serial Nos. 612,213–16, Feb. 26. Class 37.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Writing, printing, wrapping, label, and packaging paper. Serial No. 614,158, Feb. 26. Class 37.

Mont La Salle Vineyards: *See*—
De La Salle Institute.

Musonic Corporation, New York, N. Y. Pianos. Serial No. 612,176, Feb. 26. Class 36.

Napa Valley Co-Operative Winery, St. Helena, Calif. Wines. Serial No. 588,702, Feb. 26. Class 47.

Narro, Salvador T., Monterrey, Nuevo Leon, Mexico. Playing cards. Serial No. 610,919, Feb. 26. Class 22.

National Engineering Company, Chicago, Ill. Sand mixing machines. Serial No. 608,172, Feb. 26. Class 23.

National Lubricants Corporation, Houston, Tex. Lubricating oils and greases. Serial No. 530,110, Feb. 26. Class 15.

National Paper Products Sales Company: *See*—
Crown Zellerbach Corporation.

National Plastic Products Company, The, Odenton, Md. Thermoplastic injection molded chair leg tips. Serial No. 616,332, Feb. 26. Class 32.

National Tank Company, Tulsa, Okla. High pressure distillate and gas separators. Serial No. 609,095, Feb. 26. Class 23.

Naus Trimming Co. Incorporated, New York, N. Y. Garment buttons. Serial No. 615,847, Feb. 26. Class 40.

Neon Products, Inc., Lima, Ohio. Electrically illuminated display signs. Serial No. 616,918, Feb. 26. Class 21.

New England Carbide Tool Co., Inc., Cambridge, Mass. Masonry drill. Serial No. 610,985, Feb. 26. Class 23.

New York Herald Tribune Inc., New York, N. Y. Newspaper column. Serial No. 613,853, Feb. 26. Class 38.

New York Herald Tribune Inc., New York, N. Y. Newspaper column. Serial No. 616,919, Feb. 26. Class 38.

Nichols Engineering & Research Corporation, New York, N. Y. Spray drying apparatus. Serial No. 612,621, Feb. 26. Class 23.

Niles-Bement-Pond Company, West Hartford, Conn. Dimension gages, internal and external dimension comparators, etc. Serial No. 615,848, Feb. 26. Class 26.

Norris Inc., Atlanta, Ga., Candy. Serial No. 622,166, Feb. 26. Class 46.

Nursery Items, Inc., New York, N. Y. Padded plastic containers. Serial No. 603,275, Feb. 26. Class 2.

Oceanic Sales Co., Seattle, Wash. Canned salmon. Serial No. 559,319, Feb. 26. Class 46.

Oxford Paper Company, New York, N. Y. Coated printing paper. Serial No. 567,533, Feb. 26. Class 37.

Pallard Products, Inc., New York, N. Y. View finders. Serial No. 609,252, Feb. 26. Class 26.

Panghorn Corporation, Hagerstown, Md. Finely divided abrasive materials. Serial No. 603,850, Feb. 26. Class 4.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Soapless cleansing preparation. Serial Nos. 600,689–91, Feb. 26. Class 52.

Parlophone Company Limited, The, Hayes, England. Grooved phonograph records. Serial No. 598,675, Feb. 26. Class 36.

Patch, E. L., Company, The, Stoneham, Mass. Cough preparation. Serial No. 615,285, Feb. 26. Class 18.

Peacock, W. G., Company, Evanston, Ill. Coconut syrup. Serial No. 596,115, Feb. 26. Class 46.

Penn Laboratories: *See*—
Hoffman, Roy D.

Perrine Quality Products Corporation, Waltham, Mass. Storage batteries. Serial No. 609,662, Feb. 26. Class 21.

Petroleum Heat and Power Company, Stamford, Conn. Boilers, furnaces, hot water heaters, etc. Serial No. 600,696, Feb. 26. Class 34.

Pilot Plastics, Inc., Paterson, N. J. Construction toys. Serial No. 617,458, Feb. 26. Class 22.

Predicto, Inc., Washington, D. C. Game of cards. Serial No. 607,886, Feb. 26. Class 22.

Pure Oil Company, The, Chicago, Ill. Battery cable display racks. Serial No. 568,660, Feb. 26. Class 32.

Radiator Specialty Company, Charlotte, N. C. Radiator stop leak, block sealing compound, chemical compound, etc. Serial No. 611,975, Feb. 26. Class 6.

Ralston Purina Company, St. Louis, Mo. Cereal breakfast foods. Serial No. 601,119, Feb. 26. Class 46.

Rawlings, Betty J., assignee: *See*—
Stox.

Rawlings, Richard A., assignee; *See*—
Stox.

Red Wing Shoe Company, Inc., Red Wing, Minn., and Dallas, Tex. Leather shoes. Serial No. 578,895, Feb. 26. Class 39.

Reserva-Chek Co.: *See*—
Bach, Loyal M.

Rheem Manufacturing Company, San Francisco, Calif. Water softening apparatus. Serial No. 567,651, Feb. 26. Class 31.

Rite-Way Publishing Co., Inc., Alexandria, La. Partially printed income and tax record forms. Serial No. 590,702, Feb. 26. Class 37.

Rival Manufacturing Company, Kansas City, Mo. Electric deep fat fryers. Serial No. 613,826, Feb. 26. Class 21.

Riviera Packing Company, Oakland, Calif. Canned spaghetti, canned ravioli, canned chicken ravioli, etc. Serial No. 588,811, Feb. 26. Class 46.

Ruffi-Stamfli, A., Longeau, Switzerland. Watches. Serial No. 605,972, Feb. 26. Class 27.

Ru-Matina Company, The, Del Rio, Tex. Anti-rheumatic herbs tea. Serial No. 615,085, Feb. 26. Class 18.

Rupert Manufacturing Company, Inc., Kansas City, Mo. Safety reflectors and lenses. Serial No. 614,959, Feb. 26. Class 34.

Schenley Distillers Corporation, doing business as Gold Kist Wine Company, New York, N. Y., said Schenley Distillers Corporation now by change of name Schenley Industries, Inc. Wine. Serial No. 568,119, Feb. 26. Class 47.

Schenley Industries, Inc.: *See*—
Schenley Distillers Corporation.

Schenley Industries, Inc., also doing business as Jo-Ann Vineyards, New York, N. Y., and Fresno, Calif. Wines. Serial No. 588,891, Feb. 26. Class 47.

Scriptomatic, Inc.: *See*—
Business Systems, Inc.

Searle, G. D., & Co., Skokie, Ill. Medicinal and pharmaceutical preparations. Serial No. 615,351, Feb. 26. Class 18.

Sears, Roebuck and Co., Chicago, Ill. Greeting cards, Christmas cards, birth announcements, etc. Serial No. 614,108, Feb. 26. Class 38.

Selas Corporation of America, Philadelphia, Pa. Gas burners. Serial No. 609,382, Feb. 26. Class 34.

Shaheen, Geo. A., Co., Ltd., doing business as Shaheen's of Honolulu, Honolulu, Hawaii. Women's wear; men's wear, etc. Serial No. 615,087, Feb. 26. Class 39.

Shaheen's of Honolulu: *See*—
Shaheen, Geo. A., Co., Ltd.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation affecting the central nervous system and useful in the therapy of depressive states. Serial No. 616,135, Feb. 26. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicinal preparation. Serial No. 616,136, Feb. 26. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Bronchodilator. Serial No. 616,138, Feb. 26. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Vasoconstrictor. Serial No. 616,139, Feb. 26. Class 18.

Shawinigan Products Corporation, New York, N. Y. Partially and completely hydrolyzed polyvinyl acetate. Serial No. 614,581, Feb. 26. Class 6.

Smith, Robert E., assignor to Kagran Corporation, New York, N. Y. Children's cowboy shirts. Serial No. 595,004, Feb. 26. Class 39.

Smoothex, Inc., Cleveland, Ohio. Chemical additives. Serial No. 611,378, Feb. 26. Class 6.

Sormani, Charles F., New York, N. Y. Greeting cards and printed wall calendars. Serial No. 614,997, Feb. 26. Class 38.

Sportleigh Hall, Inc., New York, N. Y. Ladies' coats. Serial No. 614,266, Feb. 26. Class 39.
Springfield Tablet Manufacturing Company, Springfield, Mo. Notebooks and notebook paper. Serial No. 595,168, Feb. 26. Class 37.
Squibb, E. R., & Sons, New York, N. Y. Preparation for the prevention and treatment of calf scours. Serial No. 615,297, Feb. 26. Class 18.
Standard Feed Milling Company, The: *See*—
Martin, J. Kendley.
Standard Lime and Stone Company, The, Martinsburg, W. Va., and Baltimore, Md. Drug mortar mixes. Serial No. 608,682, Feb. 26. Class 12.
Standard Milling Company, Chicago, Ill. Wheat flour. Serial No. 610,719, Feb. 26. Class 46.
Stehman's Flour Mills, Mount Joy, Pa. Wheat flour. Serial No. 575,942, Feb 26. Class 46.
Stenzel, R., Food Products: *See*—
Stenzel, Rudolph J.
Stenzel, R., Pickle Products: *See*—
Stenzel, Rudolph J.
Stenzel, Rudolph J., doing business as R. Stenzel Food Products and R. Stenzel Pickle Products, San Leandro, Calif. Fresh cucumber chips. Serial No. 618,374, Feb. 26. Class 46.
Sterling Drug Inc., New York, N. Y. Stabilized azoic color bases. Serial No. 615,801, Feb. 26. Class 6.
Stevens, William, Ltd., London, England. Monthly magazine. Serial No. 606,444, Feb. 26. Class 38.
Stone-Tarlow Co. Inc., Brockton, Mass. Men's shoes. Serial No. 611,979, Feb. 26. Class 39.
Stox Company, assignee: *See*—
Stox.
Stox, Chicago, Ill., assignor to B. J. and R. A. Rawlings, co-partners, doing business as Stox Company. Infants' slipper-socks. Serial No. 613,482, Feb. 26. Class 39.
Stuart Hall Company, Inc., Kansas City, Mo. Stationery. Serial No. 612,043, Feb. 26. Class 37.
Supreme Equipment Corporation, Cleveland, Ohio. Vehicle service station and garage equipment. Serial No. 608,635, Feb. 26. Class 23.
Swift & Company, Chicago, Ill. Pullets. Serial No. 583,666, Feb. 26. Class 1.
Sylcon Corporation: *See*—
Sylcon Management Association.
Sylcon Management Association, Chicago, Ill., assignee of Sylcon Corporation. Mattresses and box springs. Serial No. 533,948, Feb. 26. Class 32.
Sylvan Sweets Co., Easton, Pa. Candy cigarettes. Serial No. 596,957, Feb. 26. Class 46.
Thompson Bros. Shoe Co., Brockton, Mass. Boots and shoes. Serial No. 534,734, Feb. 26. Class 39.
Tiffen Manufacturing Corporation, New York, N. Y. Correction filters. Serial No. 572,282, Feb. 26. Class 26.
Times-Mirror Company, The, Los Angeles, Calif. Series of newspaper cartoons. Serial Nos. 614,176–7, Feb. 26. Class 38.
Tokstad, Ingvar, doing business as A/S Normanna Packers Union Ltd., Miami, Fla. Canned fish. Serial No. 586,069, Feb. 26. Class 46.
Trefry, John T., and Company, Boston, Mass. General fire, marine, casualty, and life insurance brokerage services. Serial No. 585,198, Feb. 26. Class 102.
Trip Teaser Productions, Nevada City, Calif. Travel booklets. Serial No. 606,558, Feb. 26. Class 38.
Tucker's, Mrs., Foods, Inc., Sherman, Tex. Fresh milk; cream; cheese; etc. Serial No. 615,422, Feb. 26. Class 46.
Tyson Radio Company: *See*—
Mancusi, Attilio.
Uarco Incorporated, Chicago, Ill. Manifold forms. Serial No. 612 224, Feb. 26. Class 37.
United Helicopters, Inc., Palo Alto, now by change of name Hiller Helicopters, San Mateo County, Calif. Helicopters. Serial No. 606,247, Feb. 26. Class 19.
United States Steel Company: *See*—
American Steel and Wire Company of New Jersey, The.
U. S. Vitamin Corporation, New York, N. Y. Medicinal preparation. Serial No. 615,665, Feb. 26. Class 18.
Valco Manufacturing Company, Chicago, Ill. String musical instruments. Serial No. 528,391, Feb. 26. Class 36.
Victory Optical Manufacturing Company, Newark, N. J. Spectacle frames. Serial No. 616,929, Feb. 26. Class 26.
Vitalitea Products Company: *See*—
Bredin, Lewis L.
Voigt Milling Company, Grand Rapids, Mich. Enriched wheat flour, wholewheat flour, cake flour, etc. Serial No. 615,588, Feb. 26. Class 46.
Ward Products Corporation, The, Cleveland, Ohio. Radio antenna. Serial No. 616,786, Feb. 26. Class 21.
Warren, Lyman B., Jr., doing business as The Aloyl Company, St. Paul, Minn. Penetrating oil, lubricating oils, and lubricating greases, etc. Serial No. 597,308, Feb. 26. Class 15.
Western Tablet & Stationery Corporation, Dayton, Ohio. Correspondence and mailing envelopes. Serial No. 526,013, Feb. 26. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. Serial No. 526,103, Feb. 26. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, loose writing paper, etc. Serial No. 526,072, Feb. 26. Class 37.
West Virginia Pulp and Paper Company, New York, N. Y. Printing paper. Serial No. 559,391, Feb. 26. Class 37.
Wexler Printing Co., Minneapolis, Minn. Partially printed receipt books. Serial No. 612,146, Feb. 26. Class 37.
White Feed Mills, Incorporated, Green Isle, Minn. Cattle, hog and poultry feeds. Serial No. 610,773, Feb. 26. Class 46.
Wiedeke, Gustav, Company, The, Dayton, Ohio. Tube and flue expanders, tube and flue cutters, tube and flue beading tools, etc. Serial No. 616,788, Feb. 26. Class 23.
Wilson Herb Co.: *See*—
Wilson, J. S.
Wilson, J. S., doing business under the name of Wilson Herb Co., Detroit, Mich. Medicinal preparation. Serial No. 615,426, Feb. 26. Class 18.
Wilson Jones Company, Chicago, Ill. Loose leaf binders. Serial No. 605,824, Feb. 26. Class 37.
Wix, J., and Sons Limited, London, England. Cigarettes. Serial No. 613,548, Feb. 26. Class 17.
X-Act Company: *See*—
Hardman, Florence M.

LIST OF REGISTRANTS OF TRADE-MARKS

A-1 Manufacturing Co., Los Angeles, Calif. Men's and boys' suits of clothes. 555,364, Feb. 26; Serial No. 605,004, published Nov. 27, 1951. Class 39.
A P Controls Corporation: *See*—
Automatic Products Company.
Adam Hat Stores, Inc. New York, N. Y. Men's hats. 286,774, renewed Sept. 1, 1951. O. G. Feb. 26. Class 39.
Admar Laboratories International, Inc., Chicago, Ill. Retractors for withdrawing loose skin from off the face. 55,406, Feb. 26; Serial No. 608,295, published Nov. 13, 1951. Class 44.
Aetna-Standard Engineering Company, The, Youngstown, Ohio. Metal working machinery. 555,189, Feb. 26; Serial No. 552,625, published Dec. 4, 1951. Class 23.
Allied Mills, Inc., Chicago, Ill. Horse feed, poultry scratch grains, and poultry egg mash. 555,235, Feb. 26; Serial No. 571,390, published Dec. 4, 1951. Class 46.
Alpha Chi Rho Fraternity, New York, N. Y. Establishment and maintenance of membership in a national collegiate fraternity. 555,495, Feb. 26; Serial No. 603,830, published Dec. 4, 1951. Class 100.
Altmann, Bernhard, New York, N. Y. Ladies', men's, and children's sweaters, ladies' and men's coats and sport jackets, etc. 555,326, Feb. 26; Serial No. 599,301, published Nov. 6, 1951. Class 39.
American Brake Shoe Company, New York, N. Y. Rail switches, switch stands, switch point locks, etc. 555,341, Feb. 26; Serial No. 601,529, published Nov. 27, 1951. Class 23.
American Chewing Products Corp., Newark, N. J., assignor to Frank H. Fleer Corporation, Philadelphia, Pa. Chewing gum. 555,180, Feb. 26; Serial No. 545,213, published July 12, 1949. Class 46.
American Enka Corporation, Asheville, to American Enka Corporation, Enka, N. C. Rayon yarn. 291,338, renewed Feb. 9, 1952. O. G. Feb. 26. Class 43.
American Hide and Leather Company, Boston, Mass. Side leather. 287,095, Sept. 15, 1931. Republished Feb. 26. Class 1.
American Lacquer Solvents Company, Phoenixville, Pa. Liquid measuring instrument. 555,441, Feb. 26; Serial No. 610,042, published Dec. 4, 1951. Class 26.
American Speedlight Corporation, Richmond Hill, N. Y. Electronic flash apparatus. 555,212, Feb. 26; Serial No. 562,116, published Dec. 4, 1951. Class 26.
Amity Leather Products Co., West Bend, Wis. Billfolds. 555,431, Feb. 26; Serial No. 610,662, published Nov. 27, 1951. Class 3.
Apex Mfg. Laboratories: *See*—
Norton, Nell C.
Araban Coffee Co., Inc., Boston, Mass. Tea. 293,343, renewed Apr. 19, 1952. O. G. Feb. 26. Class 46.
Arkansas Company Inc., New York, N. Y., to Arkansas Company Inc., Newark, N. J. Chemicals. 292,294, renewed Mar. 8, 1952. O. G. Feb. 26. Class 6.
Armed Services Digest Publishers Corp., Brooklyn, N. Y. Monthly magazine. 555,523, Feb. 26; Serial No. 611,878. Class 38.

Armor-Clad Company, Newark, N. J. Refractory coating. 444,664, Feb. 26; Serial No. 525,762, published Nov. 27, 1951. Class 12.
Armstrong Cork Company, Lancaster, Pa. Mats, blocks, balls, etc., of natural cork, etc. 555,269, Feb. 26; Serial No. 585,627, published Nov. 13, 1951. Class 1.
Arny Chemical Corporation, New York, N. Y. Transparent, liquid finish, in the nature of a varnish. 555,203; Feb. 26; Serial No. 558,442, published Nov. 27, 1951. Class 16.
Art Material Trade News, Chicago, Ill. Periodical magazine. 555,507, Feb. 26; Serial No. 590,876. Class 38.
Art-Tex Adhesive Products, Inc., New York, to Art-Tex Adhesive Products, Inc., Brooklyn, N. Y. Wall texture preparation. 291,019, renewed Jan. 26, 1952. O. G. Feb. 26. Class 16.
Arwell, Inc.: *See*—
Arwell Products Company.
Arwell Products Company, to Arwell, Inc., Waukegan, Ill. Antiseptic. 290,826, renewed Jan. 19, 1952. O. G. Feb. 26. Class 18.
Associated Dry Goods Corporation, assignee: *See*—
Stewart Dry Goods Company, The.
Atlantic Varnish and Paint Company, Incorporated, Richmond, Va. Ready mixed paints, paste paints, paint enamels, etc. 555,307, Feb. 26; Serial No. 595,585, published Nov. 27, 1951. Class 16.
Aug. Stenman Aktiebolag, Eskilstuna, Sweden. Door handles, cabinet catches and fittings, hinges and butts, etc. 555,425, Feb. 26; Serial No. 611,750, published Dec. 11, 1951. Class 13.
Austin-Western Company, Aurora, Ill. Road graders; rollers; bulldozers; etc. 555,213, Feb. 26; Serial No. 562,817, published Dec. 4, 1951. Class 23.
Automatic Products Company, Milwaukee, Wis., now by change of name A P Controls Corporation. 555,253, Feb. 26. Thermostatically controlled combined pilot and main burner gas valves, etc., Serial No. 579,577, published Aug. 7, 1951, Class 26; Manually operated combined pilot and main burner gas valves, Serial No. 597,562, published May 29, 1951, Class 34. (Consolidated certificate, Classes 26 and 34.)
Automatic Pump & Softener Corporation, Rockford, Ill. Base exchange water treatment apparatus. 443,747, Feb. 7, 1950. Republished Feb. 26. Class 31.
Automotive Products, Inc., Portland, Oreg. Apparatus for testing, analyzing, and calibrating Diesel fuel pumps; etc. 555,296, Feb. 26; Serial No. 593,042, published Feb. 27, 1951. Class 26.
Bahamian Mustard Co., Inc., New York, N. Y. Mustard. 555,392, Feb. 26; Serial No. 606,931, published Nov. 13, 1951. Class 46.
Bailey, James F., trading and doing business as Movievox Company, San Antonio, Tex. Wire sound recording and reproducing apparatus and recording wire therefor. 555,208, Feb. 26; Serial No. 560,750, published May 8, 1951. Class 21.
Baldwin-Lima-Hamilton Corporation: *See*—
Baldwin Locomotive Works, The.
Baldwin Locomotive Works, The, Eddystone and Philadelphia, Pa., now by change of name Baldwin-Lima-Hamilton Corporation. Valves. 555,197, Feb. 26; Serial No. 555,896, published Dec. 11, 1951. Class 13.
Baltimore Porcelain Steel Corporation, Baltimore, Md. Porcelain enameled thin metallic sheets. 555,342, Feb. 26; Serial No. 601,592, published Nov. 6, 1951. Class 12.
Banker Publishing Co., Inc., Atlanta, Ga. Trade journal. 555,524, Feb. 26; Serial No. 612,526. Class 38.
Barbizon Corporation, The, New York, N. Y. Ladies' slips. 555,223, Feb. 26; Serial No. 565,407, published Apr. 4, 1950. Class 39.
Barker Bros. Corporation, Los Angeles, Calif. Living room, dining room, and bedroom furniture. 555,240, Feb. 26; Serial No. 573,401, published Dec. 4, 1951. Class 32.
Barwick, E. T., Mills: *See*—
Barwick, Eugene T.
Barwick, Eugene T., doing business as E. T. Barwick Mills, Chamblee, Ga. Cotton textile products. 555,518, Feb. 26; Serial No. 606,201. Class 42.
Barwick, Eugene T., doing business as E. T. Barwick Mills, Chamblee, Ga. Cotton textile products. 555,526, Feb. 26; Serial No. 613,042. Class 42.
Bauermeister, Chas. W., Co., Terre Haute, Ind. Spices, mince meat, rice, etc. 84,810, re-renewed Jan. 9, 1952. O. G. Feb. 26. Class 46.
Baum, W. A., Co., Inc., New York, N. Y. Cuffs, a component of a sphygmomanometer (blood-pressure apparatus). 555,266, Feb. 26; Serial No. 584,959, published Nov. 6, 1951. Class 44.
Bayou Candy Co., Inc., New Orleans, La. Candy. 555,286–7, Feb. 26; Serial Nos. 591,066–7, published Dec. 11, 1951. Class 46.
Becker, Henry, & Son, Inc., Roseland, N. J. Milk, cream, butter, and eggs. 293,244, renewed Apr. 19, 1952. O. G. Feb. 26. Class 46.
Bell & Gossett Company, Morton Grove, Ill. Circulating pumps and motorized valves. 555,376, Feb. 26; Serial No. 606,204, published Dec. 11, 1951. Class 23.
Berkov, Alexander, doing business under the fictitious firm name and style of Sleepy-Tot, North Hollywood, Calif. Portable crib frames. 555,239, Feb. 26; Serial No. 572,942, published Dec. 4, 1951. Class 32.
Betrix Company, Los Angeles, Calif. Portable and convertible dressing cases. 555,362, Feb. 26; Serial No. 604,833, published Nov. 27, 1951. Class 3.
Bettersox Knitting Mills, Fort Atkinson, Wis. Men's and women's hosiery. 555,178, Feb. 26; Serial No. 542,515, published Nov. 27, 1951. Class 39.
Bliflex Foundations, Inc., New York, N. Y. Girdles, panties and foundation garments. 555,185, Feb. 26; Serial No. 548,475, published Dec. 11, 1951. Class 39.
Bilhuber, E., Inc., Orange, N. J. Medicinal agent. 555,448, Feb. 26; Serial No. 610,490, published Nov. 6, 1951. Class 18.
Blue Bell, Inc., Greensboro, N. C. Western style dungarees, shirts and jackets. 555,446, Feb. 26, Serial No. 610,358, published Nov. 27, 1951. Class 39.
Bol Manufacturing Company, Chicago, Ill. Gelatin dessert. 555,468, Feb. 26; Serial No. 612,238, published Nov. 20, 1951. Class 46.
Bourne & Hollingsworth Limited, London, England. Articles of clothing. 555,308, Feb. 26; Serial No. 595,651, published Nov. 20, 1951. Class 39.
Bowman Products Co., The, Cleveland, Ohio. Structural and replacement parts for automotive and aviation vehicles. 555,216, Feb. 26; Serial No. 564,075, published Dec. 11, 1951. Class 23.
Brach, E. J., & Sons, Chicago, Ill. Hard candies, toffies and caramels. 555,315, Feb. 26; Serial No. 596,555, published Dec. 11, 1951. Class 46.
Brantford Produce Company Limited, Brantford, Ontario, Canada. Cheese. 555,283, Feb. 26; Serial No. 590,881, published Dec. 4, 1951. Class 46.
Brawley, T. R., Felt Co. Inc., Brooklyn, N. Y. Cushioned glides. 555,259, Feb. 26; Serial No. 581,401, published Dec. 11, 1951. Class 13.
Brooklyn Mills, Inc., New York, N. Y. Hair-retaining devices. 555,199, Feb. 26; Serial No. 556,173, published Dec. 11, 1951. Class 40.
Brooks Brothers, New York, N. Y. Collars. 555,373, Feb. 26; Serial No. 605,988, published Nov. 20, 1951. Class 39.
Brookville Locomotive Works, Brookville, Pa. Gasoline and diesel locomotives. 555,452, Feb. 26; Serial No. 608,699, published Dec. 11, 1951. Class 23.
Buffington's, Incorporated, Worcester, Mass. Pharmaceutical preparation. 555,426, Feb. 26; Serial No. 611,888, published July 17, 1951. Class 18.
Burt, Charles C., doing business as Burt Equipment Company, East Orange, N. J. Steel facing or armor for concrete curbing. 555,304, Feb. 26; Serial No. 594,434, published Nov. 13, 1951. Class 12.
Burt Equipment Company: *See*—
Burt, Charles C.
Burton, Burt, Beverly Hills, Calif. Sashes, neckties, and bandeaux. 555,403, Feb. 26; Serial No. 608,098, published Nov. 20, 1951. Class 39.
Burton-Dixie Corporation, Chicago, Ill. Dual purpose sitting, sleeping type couches. 555,333, Feb. 26; Serial No. 600,021, published Dec. 4, 1951. Class 32.
C & D Batteries, Inc., Conshohocken, Pa. Storage batteries. 555,421, Feb. 26; Serial No. 611,558, published Nov. 27, 1951. Class 21.
Calhawaii Company, The: *See*—
Williams, M. G.
Call Bond & Mortgage Company, Sioux City, Iowa. Ball point tooth comb. 555,393, Feb. 26; Serial No. 606,969, published Dec. 11, 1951. Class 40.
Camp, Harry, Millinery Company, San Francisco, Calif. Ladies' hats. 555,409, Feb. 26; Serial No. 608,491, published Nov. 27, 1951. Class 39.
Campbell Soup Company: *See*—
Franco-American Food Company, The.
Candy Crafters, Inc., by Zippy Products, Inc., Lansdowne, Pa. Liquid starch. 441,631, Dec. 21, 1948. Republished Feb. 26. Class 6.
Candy-Lane, Inc., Los Angeles, Calif. Candy. 555,301, Feb. 26; Serial No. 594,021, published Nov. 6, 1951. Class 46.
Canella Food Products Co.: *See*—
Canella, Joseph.
Canella, Joseph, trading as Canella Food Products Co., Omaha, Nebr. Meatless spaghetti sauce. 555,294, Feb. 26; Serial No. 592,419, published Nov. 27, 1951. Class 46.
Canter, George G., doing business as Security Seal Company, New York, N. Y. Bag seals. 555,489, Feb. 26; Serial No. 617,435, published Dec. 11, 1951. Class 25.
Carleton & Hovey, to Father John's Medicine Company, Inc., Lowell, Mass. Particular remedy for lung and throat troubles, a body-builder, etc. 38,198, re-renewed Apr. 29, 1952. O. G. Feb. 26. Class 18.
Caron Corporation, New York, N. Y. Perfume. 555,498, Feb. 26; Serial No. 563,904. Class 51.
Carr, James G., Sr., trading and doing business as Carr's Drug Store, Centreville, Miss. Remedy for athlete's foot. 555,198, Feb. 26; Serial No. 555,916, published Nov. 6, 1951. Class 18.
Carr's Drug Store: *See*—
Carr, James G., Sr.
Carter's Ink Company, The, Cambridge, Mass. Liquid ink eradicator. 292,990, renewed Apr. 5, 1952. O. G. Feb. 26. Class 52.
Carwood Manufacturing Company, Winder, Ga. Outerwear. 555,499, Feb. 26; Serial No. 564,552. Class 39.

Central Building Products Company, Milwaukee, Wis. Building siding. 555,309, Feb. 26; Serial No. 595,654, published Nov. 13, 1951. Class 12.

Chapman & Rodgers, Inc., Philadelphia, Pa. Cough syrup. 283,791, renewed June 9, 1951. O. G. Feb. 26. Class 18.

Chemical Coatings Corporation, The, Rocky Hill, Conn. Clear and colored lacquer and synthetic resinous and phenolic coatings. 555,194, Feb. 26; Serial No. 554,208, published Mar. 27, 1951. Class 16.

Cherokee Mills, Inc., Nashville, Tenn. Animal feeds. 555,354, Feb. 26; Serial No. 603,666, published Dec. 4, 1951. Class 46.

Chicago Pump Company, Chicago, Ill. Non-clogging sewage pumping unit. 555,201, Feb. 26; Serial No. 557,899, published Dec. 4, 1951. Class 23.

Chicago Specialty Manufacturing Co., Chicago, Ill. Tools. 555,371, Feb. 26; Serial No. 605,844, published Oct. 16, 1951. Class 23.

Clairol Incorporated, Stamford, Conn. Hair tinting and coloring preparations. 555,310, Feb. 26; Serial No. 595,760, published Nov. 6, 1951. Class 51.

Clark, Charles F., Incorporated, Chicago, Ill. Protective covers—namely, athletic equipment covers. 555,323, Feb. 26; Serial No. 598,637, published Dec. 4, 1951. Class 22.

Clark Thread Company, Inc., The: *See*—
Coats, J. & P. (R. I.) Inc.

Clean Surface Products Company, Chicago, Ill. Waterproof wax finish. 289,904, renewed Dec. 15, 1951. O. G. Feb. 26. Class 4.

Clyde Porcelain Steel Corporation: *See*—
Porcelain Tile Company.

Coats, J. & P. (R. I.) Inc., Pawtucket, R. I., by The Clark Thread Company, Inc., Clarkdale, Ga. Threads and yarns. 290,958, Jan. 19, 1932. Republished Feb. 26. Class 43.

Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Shampoo powder. 291,456, renewed Feb. 9, 1952. O. G. Feb. 26. Class 52.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. 555,433–4, Feb. 26; Serial Nos. 610,891–2, published Nov. 13, 1951. Class 52.

Color Craft Corporation, Baltimore, Md. Paints and industrial finishes. 444,663, Feb. 26; Serial No. 523,567, published July 3, 1951. Class 16.

Colt's Manufacturing Company: *See*—
Colt's Patent Fire Arms Manufacturing Co.

Colt's Patent Fire Arms Manufacturing Co., to Colt's Manufacturing Company, Hartford, Conn. Pistols. 288,609, renewed Nov. 3, 1951. O. G. Feb. 26. Class 9.

Colt's Patent Fire Arms Manufacturing Co., to Colt's Manufacturing Company, Hartford, Conn. Revolvers. 288,610, renewed Nov. 3, 1951. O. G. Feb. 26. Class 9.

Cone Export and Commission Company, by Cone Export and Commission Co., Inc., New York, N. Y. Cotton goods in the piece. 291,017, Jan. 26, 1932. Republished Feb. 26. Class 42.

Cone Export and Commission Co., Inc.: *See*—
Cone Export and Commission Company.

Consolidated Brass Company, Detroit, Mich. Safety valves. 555,462, Feb. 26; Serial No. 609,536, published Dec. 11, 1951. Class 13.

Consolidated Cosmetics, Chicago, Ill. Lipstick, face powder, solid cologne, etc. 555,284, Feb. 26; Serial No. 591,019, published Nov. 6, 1951. Class 51.

Cotta Transmission Company: *See*—
Cotta Transmission Corporation.

Cotta Transmission Company, by Cotta Transmission Company, Rockford, Ill. Change-speed transmissions. 142,971, May, 24, 1921. Republished Feb. 26. Class 23.

Cotta Transmission Corporation, by Cotta Transmission Company, Rockford, Ill. Coal-burning stokers and parts therefor and transmissions for stokers. 283,902, June 9, 1931. Republished Feb. 26. Class 34.

Cotwool Manufacturing Corporation, The: *See*—
Madison Woolen Company.

Cownie Furs, Des Moines, Iowa. Fur garment cleaning and lusterizing service. 555,330, Feb. 26; Serial No. 581,325. Class 103.

Crawford, Charles C., doing business as Xint Spanish Food Co., by Xint Spanish Food Co. Uncanned tamales and canned products. 218,877, Oct. 5, 1926. Republished Feb. 26. Class 46.

Crown Cork & Seal Company, Inc., Baltimore, Md. Cushion material. 291,872, Feb. 23, 1932. Republished Feb. 26. Class 1.

Curtis, Helene, Industries, Inc., Chicago, Ill. Cold hair waving solutions. 555,268, Feb. 26; Serial No. 585,486, published Nov. 13, 1951. Class 51.

Dan River Mills, Incorporated, Danville, Va. Cotton piece goods. 555,483, Feb. 26; Serial No. 615,164, published Dec. 4, 1951. Class 42.

Darlynn Knitwear Corporation, New York, N. Y. Polo shirts, creepers, cardigans, etc. 555,209, Feb. 26; Serial No. 561,616, published Nov. 20, 1951. Class 39.

Darol Co.: *See*—
Darol Company.

Darol Company, also known in the trade as Darol Co., Dayton, Ohio. Venetian blinds. 555,242, Feb. 26; Serial No. 574,415, published Nov. 20, 1951. Class 32.

Davis Paint Co., North Kansas City, Mo. Ready mixed oil paint, varnish and enamel. 444,589, Oct. 23, 1951. Republished Feb. 26. Class 16.

Davison's Northwest Shade & Linoleum Service Inc., Seattle, Wash. Window shades. 555,214, Feb. 26; Serial No. 563,910, published Dec. 11, 1951. Class 32.

Dayton Rubber Company, The, Dayton, Ohio. Sponge rubber cushions. 555,211, Feb. 26; Serial No. 561,810, published Dec. 11, 1951. Class 32.

De la Torre, Dr., A. A., Jr.: *See*—
Nell, Luther A.

Delman, Inc., New York, N. Y. Shoes. 555,496, Feb. 26; Serial No. 486,518. Class 39.

Delta-Star Electric Company, Chicago, Ill. Clamping structures and elements. 555,229, Feb. 26; Serial No. 566,327, published Dec. 11, 1951. Class 13.

De Padilla, Maria L. N., Mexico City, Mexico. Antiinfection medicinal preparation. 555,219, Feb. 26; Serial No. 564,456, published Dec. 4, 1951. Class 18.

Dewey Portland Cement Company, Kansas City, Mo. Portland cement. 290,413, renewed Jan. 5, 1952. O. G. Feb. 26. Class 12.

Dix, Henry A., & Sons Company, to Henry A. Dix & Sons Corporation, New York, N. Y. Ladles' tub-dresses. 86,287, re-renewed Apr. 30, 1952. O. G. Feb. 26. Class 39.

Dix, Henry A., & Sons Corporation: *See*—
Dix, Henry A., & Sons Company.

Donnin, Irving N., doing business as El Encanto, Incorporated, Miami Beach, Fla. Women's dresses, blouses, peasant costumes, etc. 555,260, Feb. 26; Serial No. 581,387, published Feb. 21, 1950. Class 39.

Dupli-Color Products Company, Inc., Chicago, Ill. Lacquers. 555,306, Feb. 26; Serial No. 595,367, published Nov. 27, 1951. Class 16.

Eastern States Farmers' Exchange, West Springfield, Mass. Spiral nails. 555,233, Feb. 26; Serial No. 569,362, published Dec. 11, 1951. Class 13.

Eaton Chemical and Dyestuff Company, Detroit, Mich. Dry water repellent concentrate. 555,465, Feb. 26; Serial No. 612,061, published Nov. 27, 1951. Class 6.

Eckenbeck & Madden Co., Minneapolis, Minn. Bolts. 555,497, Feb. 26; Serial No. 555,490. Class 13.

El Encanto, Incorporated: *See*—
Donnin, Irving N.

Elgin Softener Corporation, Elgin, Ill. Hydrometers. 288,806, renewed Nov. 3, 1951. O. G. Feb. 26. Class 26.

Ellis, C. H., & Co., Lewes, Del. Fishing tackle, tackleholders, etc. 555,290, Feb. 26; Serial No. 591,409, published Dec. 4, 1951. Class 22.

Ellison & Spring, Inc., New York, N. Y. Tablecloths and napkins. 555,407, Feb. 26; Serial No. 608,451, published Dec. 4, 1951. Class 42.

El-Tronics, Inc., Philadelphia, Pa. Capacity operated burglar and fire alarm systems, electronic burglar alarm systems, public address systems, etc. 555,238, Feb. 26; Serial No. 572,895, published Nov. 27, 1951. Class 21.

Elysee Lingerie Corporation, Bronx, N. Y. Women's nightgowns, pajamas, lounging gowns, etc. 555,192, Feb. 26; Serial No. 552,961, published Dec. 11, 1951. Class 39.

Ercona Camera Corporation, New York, N. Y. Cameras. 555,299, Feb. 26; Serial No. 593,402, published Nov. 13, 1951. Class 26.

Establecimiento Modelo Terrabusi: *See*—
Terrabusi, Ambrosius U.

Eston Chemicals, Inc., Los Angeles, Calif. Dispensing valves. 555,511, Feb. 26; Serial No. 598,296. Class 13.

Eureka Williams Corporation: *See*—
Williams Oil-O-Matic Heating Corporation.

Excelsior Pharmaceutical Distributing Company, Inc., Chicago, Ill. Therapeutic tablets. 555,396, Feb. 26; Serial No. 607,075, published July 17, 1951. Class 18.

Exeter Manufacturing Company, Exeter, N. H. Piece goods. 555,525, Feb. 26; Serial No. 612,967. Class 42.

Faber-Castell, A. W., Pencil Co., Inc., Newark, N. J. Drawing wood encased lead pencils. 555,321, Feb. 26; Serial No. 610,494. Class 37.

Fairchild Publications, Inc., New York, N. Y. Newspaper section. 555,522, Feb. 26; Serial No. 611,222. Class 38.

Fair Lawn Finishing Company, Fair Lawn, N. J. Application of permanent type water-repellent finishes to nylon, etc. 555,491, Feb. 26; Serial No. 561,815, published Dec. 11, 1951. Class 106.

Falls City Dental Specialty Co., Inc., by Whip-Mix Corporation, Louisville, Ky. Dental investment, dental stone, and dental plaster. 211,466, Apr. 13, 1926. Republished Feb. 26. Class 44.

Falls City Dental Specialty Co. Inc., by Whip-Mix Corporation, Louisville, Ky. Dental investment, dental stone, and dental plaster. 221,621, Dec. 7, 1926. Republished Feb. 26. Class 44.

Farnsworth, Eva O., to Rhythm Lingerie, Inc., New York, N. Y. Underwear. 85,338, re-renewed Feb. 13, 1952. O. G. Feb. 26. Class 39.

Fashioncraft Products, Brooklyn, N. Y. Nursing bottle holders. 555,453, Feb. 26; Serial No. 608,790, published Nov. 13, 1951. Class 44.

Father John's Medicine Company, Inc.: *See*—
Carleton & Hovey.

Fay, Romelle, doing business as Genius Foods Company, Pasadena, Calif. Flavoring for foods. 555,351, Feb. 26; Serial No. 603,151, published Nov. 13, 1951. Class 46.

Fels & Company, Philadelphia, Pa. Soap and synthetic organic detergent. 555,292, Feb. 26; Serial No. 591,921, published Nov. 13, 1951. Class 52.

Fels & Company, Philadelphia, Pa. Soaps and organic detergents. 555,300, Feb. 26; Serial No. 593,405, published Nov. 13, 1951. Class 52.

Fels and Company, Philadelphia, Pa. Dry detergent. 555,461, Feb. 26; Serial No. 609,360, published Nov. 27, 1951. Class 52.

Flat Metal Manufacturing Company, Franklin Park, Ill. Shower cabinets. 555,469, Feb. 26; Serial No. 612,249, published Dec. 11, 1951. Class 13.

Fiat Società per Azioni, Turin, Italy. Internal combustion engines, agricultural tractors, planting machines, etc. 555,359, Feb. 26; Serial No. 604,692, published Nov. 20, 1951. Class 23.

Fibreboard Products Inc., San Francisco, Calif. Sheathing paper and wall board. 291,263, renewed Feb. 2, 1952. O. G. Feb. 26. Class 12.

Fillmore Citrus Fruit Association, by Fillmore Lemon Association, Fillmore, Calif. Fresh citrus fruits. 218,072, Sept. 21, 1926. Republished Feb. 26. Class 46.

Fillmore Lemon Association: *See*—
Fillmore Citrus Fruit Association.

Finger Lakes Chemical Company, Inc., Ithaca and Etna, N. Y. Detergents. 555,252, Feb. 26; Serial No. 579,492, published Nov. 27, 1951. Class 52.

Fleer, Frank H., Corporation, assignee: *See*—
American Chewing Products Corp.

Flintkote Company, The: *See*—
Pioneer Paper Company.

Flour Mills of America, Inc., doing business under the name and style of Goodlander Mills Company, Kansas City, Mo., and Fort Scott, Kans. Stock and poultry feeds. 555,193, Feb. 26; Serial No. 553,607, published Nov. 13, 1951. Class 46.

Foster, L. W., Sportswear Co., Inc., Philadelphia, Pa. Men's and women's sport shirts and sport jackets. 555,181, Feb. 26; Serial No. 545,245, published Nov. 27, 1951. Class 39.

Fox Products Company, Philadelphia, Pa. Thermistor and thermostatic cut-out controls. 555,312, Feb. 26; Serial No. 596,274, published Dec. 4, 1951. Class 26.

Francines Laboratories: *See*—
Hogan, Thomas F.

Franco-American Food Company, The, Jersey City, to Campbell Soup Company, Camden, N. J. Soups. 84,312, re-renewed Nov. 28, 1951. O. G. Feb. 26. Class 46.

Frisch, H. E., Knitting Mills Co., The, Cleveland, Ohio. Knitted baby blankets. 555,520, Feb. 26; Serial No. 607,988. Class 42.

Fritzsche Brothers, Inc., New York, N. Y. Liquid aromatic chemical compositions. 555,237, Feb. 26; Serial No. 571,961, published Nov. 6, 1951. Class 6.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics. 555,528, Feb. 26; Serial No. 613,771. Class 42.

Fuller, Frances A., Clayton, Mo. Ear muffs. 555,411, Feb. 26; Serial No. 608,601, published Nov. 20, 1951. Class 39.

Gair, Robert, Company, Inc., New York, N. Y. Wallboard. 555,261, Feb. 26; Serial No. 582,223, published Nov. 13, 1951. Class 12.

Gale Hall Engineering: *See*—
Universal Chemists, Inc.

Gallenkamp Stores Co., San Francisco, to Gallenkamp Stores Co., Los Angeles, Calif. Shoes. 289,642, renewed Dec. 1, 1951. O. G. Feb. 26. Class 39.

Gallenkamp Stores Co., San Francisco, to Gallenkamp Stores Co., Los Angeles, Calif. Footwear, rubbers, and hosiery. 290,495, renewed Jan. 5, 1952. O. G. Feb. 26. Class 39.

Garden State Seed Co., Inc., Newark, N. J. Lawn seed mixtures. 555,399, Feb. 26; Serial No. 607,668, published Oct. 30, 1951. Class 1.

Gardner Tooth-Brush Co., Inc., The, to W. G. McGauley, New York, N. Y. Toothbrushes. 288,891, renewed Nov. 10, 1951. O. G. Feb. 26. Class 29.

General Aniline & Film Corporation, New York and Binghamton, N. Y. Chemicals and preparations thereof. 555,280, Feb. 26; Serial No. 589,716, published Nov. 13, 1951. Class 6.

General Aniline & Film Corporation, New York and Binghamton, N. Y. Chemicals and preparations thereof. 555,281, Feb. 26; Serial No. 589,719, published Nov. 13, 1951. Class 6.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Wheat flour. 555,302, Feb. 26; Serial No. 594,216, published Nov. 13, 1951. Class 46.

General Motors Corporation, Detroit, Mich. Complete power transmission units. 555,345, Feb. 26; Serial No. 601,784, published Nov. 27, 1951. Class 23.

General Time Corporation: *See*—
Western Clock Company.

Genius Foods Company: *See*—
Fay, Romelle.

Genuine Leather Processing Corp., New York, N. Y. Processed leather and sheet leather. 555,367, Feb. 26; Serial No. 605,358, published July 17, 1951. Class 1.

Given Manufacturing Company, Los Angeles, Calif. Waste disposal units. 444,294, Oct. 31, 1950. Corrected. O. G. Feb. 26. Class 23.

Goodlander Mills Company: *See*—
Flour Mills of America, Inc.

Goodman & Suss Clothes Corporation, New York, N. Y. Men's and young men's coats, vests, trousers, etc. 555,218, Feb. 26; Serial No. 548,728, published Nov. 27, 1951. Class 39.

Gorham Manufacturing Company, Providence, R. I. Electroplated metal ware. 37,939, re-renewed Mar. 11, 1952. O. G. Feb. 26. Class 13.

Gotham Hosiery Company, Inc.: *See*—
Gotham Silk Hosiery Company, Inc.

Gotham Silk Hosiery Company, Inc., by Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 287,799, Oct. 13, 1931. Republished Feb. 26. Class 39.

Grapette Company, Inc., The: *See*—
Marshak Maltmolak Co. Inc.

Green & Reedy Fertilizer Plant, Franklinton, La. Commercial fertilizer. 555,410, Feb. 26; Serial No. 608,585, published Dec. 4, 1951. Class 10.

Greenberg Shaps Corporation, New York, N. Y. Women's hats. 555,460, Feb. 26; Serial No. 609,296, published Nov. 27, 1951. Class 39.

Gulf Oil Corporation, Pittsburgh, Pa. Sprayers. 555,415, Feb. 26; Serial No. 611,090, published Nov. 20, 1951. Class 23.

Gummed Products Company, The, Troy, Ohio. Gummed paper tape. 555,176, Feb. 26; Serial No. 532,447, published Nov. 6, 1951. Class 5.

Gundlach, G. P., & Co., Inc., Cincinnati, Ohio. Ice cream. 555,510, Feb. 26; Serial No. 597,608. Class 46.

Guth, Edwin F., Company, The, St. Louis, Mo. Fluorescent lighting fixture. 555,245, Feb. 26; Serial No. 576,055, published Nov. 7, 1950. Class 21.

H-S Engine Company, Inc., Billings, Mont. Hydraulic power take-off unit. 555,328, Feb. 26; Serial No. 599,511, published Oct. 16, 1951. Class 23.

Haas, Baruch & Co., Los Angeles and Vernon, Calif. Canned fish. 555,248, Feb. 26; Serial No. 577,325, published Nov. 27, 1951. Class 46.

Hamilton Import Corporation, assignee: *See*—
Hamilton Trading Company, Inc.

Hamilton Trading Company, Inc., assignor to Hamilton Import Corporation, New York, N. Y. Knives, carving sets, and forks. 555,336, Feb. 26; Serial No. 600,264, published Dec. 4, 1951. Class 23.

Handleman Drug Company, Detroit, Mich. Shoe laces. 555,512, Feb. 26; Serial No. 599,169. Class 40.

Hanovia Chemical and Manufacturing Company, Newark, N. J. Ultraviolet lamps for therapeutic purposes. 555,394, Feb. 26; Serial No. 607,018, published Nov. 13, 1951. Class 44.

Harson Products Company, New York, N. Y. Toy sewing kits and games. 555,258, Feb. 26; Serial No. 581,065, published Dec. 4, 1951. Class 22.

Hartwig, Carl C., Los Angeles, Calif. Hernia belts. 555,513, Feb. 26; Serial No. 600,433. Class 44.

Hasbrouck, John E. R., New York, to J. E. R. Hasbrouck, New City, N. Y. Automatic weighing scales and weighing machines. 289,812, renewed Dec. 8, 1951. O. G. Feb. 26. Class 26.

Hercules Powder Company, Wilmington, Del. Purified cotton linter pulp. 289,304–5, Nov. 24, 1931. Republished Feb. 26. Class 1.

Hercules Powder Company, Wilmington, Del. Propellent powders for shot guns, rifled arms, etc. 289,898, Dec. 15, 1931. Republished Feb. 26. Class 9.

Hershel California Fruit Products Co., San Jose, Calif. Food products. 555,226, Feb. 26; Serial No. 565,929, published Dec. 11, 1951. Class 46.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Belts. 555,417, Feb. 26; Serial No. 611,225, published Nov. 27, 1951. Class 39.

Hird, Samuel, & Sons, Inc., Garfield, N. J., and New York, N. Y. Worsted suitings. 555,457, Feb. 26; Serial No. 609,240, published Dec. 4, 1951. Class 42.

Hitchcock Chair Company, The, Barkhamsted and Riverton, Conn. Dining, lounge and occasional chairs. 555,506, Feb. 26; Serial No. 589,786. Class 32.

Hogan, Thomas F., doing business as Francines Laboratories, South St. Paul, Minn. Skin cream and lotion. 555,254, Feb. 26; Serial No. 579,597, published Nov. 6, 1951. Class 51.

Holifield, Catherine I., Bostwick, Fla. Relish. 555,509, Feb. 26; Serial No. 596,493. Class 46.

Holt Manufacturing Company, Oakland, Calif. Electrical portable floor machines. 555,234, Feb. 26; Serial No. 570,203, published Nov. 20, 1951. Class 21.

Homberger-Rauschenbach, Ernst, vorm. Internation Watch Co. (Ernest Homberger-Rauschenbach, Ci-devant International Watch Co.), Schaffhouse, Switzerland. Watch movements, cases, dials, etc. 289,926, Dec. 15, 1931. Republished Feb. 26. Class 27.

Horowitz, Joseph, & Sons, Inc., New York, N. Y. Men's and boys' sportswear. 555,437, Feb. 26; Serial No. 610,971, published Nov. 27, 1951. Class 39.

Houdaille-Hershey Corporation, Detroit, Mich. Door locks, steering post ignition locks, etc. 555,225, Feb. 26; Serial No. 565,875, published Dec. 11, 1951. Class 25.

House of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa. Men's and young men's suits, coats, vests, etc. 555,377, Feb. 26; Serial No. 606,298, published Oct. 23, 1951. Class 39.

Household Products Company, Evanston, Ill. Dog food. 555,288, Feb. 26; Serial No. 591,085, published Dec. 4, 1951. Class 46.

Howlett & Hockmeyer Co. Inc., New York, N. Y. Textile fabrics. 288,981, Nov. 10, 1931. Republished Feb. 26. Class 42.

Hudnut, Richard, New York, N. Y. Face cream 555,330, Feb. 26; Serial No. 599,874, published Nov. 6, 1951. Class 51.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Manually operated lawn sprayers and liquid fertilizers. 555,347, Feb. 26; Serial No. 601,916, published Oct. 16, 1951. Class 23.

Huebel Bros., Inc., San Francisco, Calif. Thumb tacks, upholstery nails, furniture nails, etc. 555,227, Feb. 26; Serial No. 565,987, published Dec. 11, 1951. Class 13.

Huntington Laboratories, Inc., Huntington and Tipton, Ind. Liquid for cleaning, preserving, and polishing surfaces. 555,429, Feb. 26; Serial No. 610,559, published Nov. 13, 1951. Class 4.

Hygienic Products Company, The, Canton, Ohio. Cleaning powder. 555,404–5, Feb. 26; Serial No. 608,249–50, published Nov. 13, 1951. Class 52.

Ideal Smoked Fish Corp., New York, N. Y., by Linda Foods, Inc., Newark, N. J. Canned salmon. 204,067, Oct. 6, 1925. Republished Feb. 26. Class 46.

Imperial Chemical Industries Limited, London and Millbank, London, England. Synthetic resins. 555,324, Feb. 26; Serial No. 598,653, published Nov. 13, 1951. Class 1.

Independent Lock Company, Fitchburg, Mass. Door closers and parts thereof, door and window finishing hardware. 555,221, Feb. 26; Serial No. 564,817, published Dec. 11, 1951. Class 13.

Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Automatically-rotating fluid-operated hammer drills. 555,413, Feb. 26; Serial No. 610,977, published Nov. 20, 1951. Class 23.

Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Air-feed hammer drills with automatic steel-rotating mechanism. 555,414, Feb. 26; Serial No. 610,978, published Dec. 11, 1951. Class 23.

International Business Machines Corporation, New York, N. Y. Typewriting machines. 555,295, Feb. 26; Serial No. 592,427, published July 3, 1951. Class 23.

Irvington Varnish & Insulator Company, Irvington, N. J. Shellac coated papers for use as electrical insulation. 555,478, Feb. 26; Serial No. 613,712, published Dec. 4, 1951. Class 21.

Jewel Tea Co., Inc., Barrington, Ill. Jelly type soap product. 555,297, Feb. 26; Serial No. 593,121, published Nov. 27, 1951. Class 52.

Jolly Toys, Inc., New York, N. Y. Dolls. 555,349, Feb. 26; Serial No. 602,202, published Dec. 4, 1951. Class 22.

Kay Manufacturing Corporation, Brooklyn, N. Y. Sofabeds. 555,458, Feb. 26; Serial No. 609,244, published Nov. 20, 1951. Class 32.

Kelley-How-Thomson Co., Duluth, Minn. Sports clothing. 555,179, Feb. 26; Serial No. 544,740, published Nov. 27, 1951. Class 39.

Kearns Coal Company, The, Cincinnati, Ohio. Coal. 311,066, Mar. 13, 1934. Republished Feb. 26. Class 1.

Kendall Company, The, Boston, Mass. and Chicago, Ill. Gauze bandage and adhesive plaster. 289,908, Dec. 15, 1931. Republished Feb. 26. Class 44.

Kennedy, David E., Inc., by Kentile, Inc., Brooklyn, N. Y. Floor tiles. 396,155, June 30, 1942. Republished Feb. 26. Class 12.

Kennedy, David E., Inc., by Kentile, Inc., Brooklyn, N. Y. Floor tiles. 424,034, Sept. 17, 1946. Republished Feb. 26. Class 12.

Kennedy, David E., Inc., by Kentile, Inc., Brooklyn, N. Y. Cleaner. 426,826, Jan. 14, 1947. Republished Feb. 26. Class 52.

Kennedy, David E., Inc., by Kentile, Inc., Brooklyn, N. Y. Wax. 426,402, Dec. 24, 1946. Republished Feb. 26. Class 16.

Kentile, Inc.: *See*—
Kennedy, David E., Inc.

Keystone Steel and Wire Company, Peoria, Ill. Wire fence. 555,298, Feb. 26; Serial No. 593,319, published Dec. 11, 1951. Class 13.

Kiddie Kabinette, Inc., New York, N. Y. Medicine wall chests. 555,322, Feb. 26; Serial No. 598,587, published Nov. 20, 1951. Class 32.

Killmer, Lawrence E., doing business as Parts Analysis and Services Company, Detroit, Mich. Services rendered to automobile parts dealers. 555,493, Feb. 26; Serial No. 573,724, published Dec. 11, 1951. Class 101.

Kin-Aid Laboratories: *See*—
Nell, Luther Alton.

Koppers Company, Inc.: *See*—
Koppers Products Company.

Koppers Products Company, by Koppers Company, Inc., Pittsburgh, Pa. Sulphur. 289,526, Dec. 1, 1931. Republished Feb. 26. Class 6.

Kotchan, Charles J. P., Lynbrook, N. Y. Seeds. 555,527, Feb. 26; Serial No. 613,375. Class 22.

Kraissl Company, Inc., The, Hackensack, N. J. Non-measuring pumps. 555,273, Feb. 26; Serial No. 587,875, published Dec. 4, 1951. Class 23.

Laclede Steel Company, St. Louis, Mo. Steel products. 555,231, Feb. 26; Serial No. 568,311, published Nov. 13, 1951. Class 12.

Lambert Hosiery Mills, Inc., Lambertville, N. J. Ladies' hosiery. 555,278, Feb. 26; Serial No. 589,661, published Nov. 20, 1951. Class 39.

Lamella Roof Syndicate, Inc., by Roof Structures, Inc., New York, N. Y. Structural members for constructing roofs. 279,800, Jan. 27, 1931. Republished Feb. 26. Class 12.

Larus & Brother Company, Incorporated, Richmound, Va. Smoking tobacco and cigarettes. 291,854, renewed Feb. 23, 1952. O. G. Feb. 26. Class 17.

Lawrence, A. C., Leather Company: *See*—
Lawrence, A. C., Leather Co.

Lawrence, A. C., Leather Co., Boston, to A. C. Lawrence Leather Company, Peabody, Mass. Finished leather. 85,911, re-renewed Mar. 26, 1952. O. G. Feb. 26. Class 1.

Leclabart, Jean, Paris, France. Hairwaving apparatus. 555,264, Feb. 26; Serial No. 582,919, published Nov. 13, 1951. Class 44.

Lee, Frank H., Company, The, Danbury, Conn., and elsewhere. Men's hats. 555,246, Feb. 26; Serial No. 576,342, published Oct. 23, 1951. Class 39.

Lelong, Lucien, Inc., Chicago, Ill. Perfumes. 555,263, Feb. 26; Serial No. 582,533, published Nov. 6, 1951. Class 51.

Lincoln Electric Company, The, Cleveland, Ohio. Electrical apparatus. 555,272, Feb. 26; Serial No. 587,197, published Dec. 11, 1951. Class 21.

Lind, William: *See*—
Trippe, Barker & Co.

Lind, William, Co.: *See*—
Trippe, Barker & Co.

Linda Foods, Inc.: *See*—
Ideal Smoked Fish Corp.

Line Material Company: *See*—
Mcgraw Electric Company.

Lowe, Joe, Co. Inc., Brooklyn, by Joe Lowe Corporation, New York, N. Y. Dehydrated whole eggs, dehydrated egg yolk, and dehydrated egg albumen. 291,072, Jan. 26, 1932. Republished Feb. 26. Class 46.

Lowe, Joe, Corporation: *See*—
Lowe, Joe, Co. Inc.

Lucky Strike Perfumeries Corporation, New York, N. Y. Soap. 555,317, Feb. 26; Serial No. 597,449, published Dec. 4, 1951. Class 52.

Lyons-Magnus, Incorporated, San Francisco, Calif. Fresh fruits. 550,365, Nov. 6, 1951. Corrected. O. G. Feb. 26. Class 46.

Machine-Craft Manufacturing Co., Los Angeles, Calif. Portable power driven saws. 444,661, Feb. 26; Serial No. 504,851, published Dec. 11, 1951. Class 23.

Macy, R. H., & Co., Inc., New York, N. Y. Canned and bottled foods. 555,282, Feb. 26; Serial No. 590,554, published Nov. 13, 1951. Class 46.

Madison Woolen Company, Madison, Maine, to The Cotwool Manufacturing Corporation, Wilmington, Del. Woolen piece goods. 288,984, renewed Nov. 10, 1951. O. G. Feb. 26. Class 42.

Mallard, A. E., Laboratories, Inc.: *See*—
Mallard, Albert E.

Mallard, Albert E., to A. E. Mallard Laboratories, Inc., Detroit, Mich. Tablets used as a biliary stimulant and antiseptic solvent of effete mucus. 291,952, renewed Feb. 23, 1952. O. G. Feb. 26. Class 18.

Mallinckrodt Chemical Works, St. Louis, Mo. Fungicide for turf diseases. 555,449, Feb. 26; Serial No. 610,519, published Nov. 27, 1951. Class 6.

Mannington Mills, Incorporated, Salem, N. J. Plastic finish, felt base floor covering. 555,444–5, Feb. 26; Serial No. 610,285–6, published Dec. 4, 1951. Class 20.

Marian Company, The, Philadelphia, Pa. Boys' and youths' sport and dress shirts and pajamas. 555,182, Feb. 26; Serial No. 545,501, published Nov. 27, 1951. Class 39.

Marnett Chemicals, Inc., Baltimore, Md. Clothes bleaching compound. 555,476, Feb. 26; Serial No. 613,516, published Dec. 4, 1951. Class 6.

Marshak Maltmolak Co. Inc., Brooklyn, N. Y., to The Grapette Company, Inc., Camden, Ark. Non-alcoholic, maltless powder. 293,158, renewed Apr. 12, 1952. O. G. Feb. 26. Class 45.

Marshak Maltmolak Co. Inc., Brooklyn, N. Y., to The Grapette Company, Inc., Camden, Ark. Nonalcoholic maltless powder. 293,174, renewed Apr. 12, 1952. O. G. Feb. 26. Class 45.

Marshall Field & Company, Chicago, Ill., to Vesta Underwear Company, Pawtucket, R. I. Sleeping garments and women's and children's knitted underwear. 288,778, renewed Nov. 3, 1951. O. G. Feb. 26. Class 39.

Massachusetts Mattress Company, Boston, Mass. Mattresses and box springs. 555,171–3, Feb. 26; Serial No. 523,909–11, published Dec. 11, 1951. Class 32.

Massachusetts Mattress Company, Boston, Mass. Mattresses and box springs. 555,174, Feb. 26; Serial No. 524,069, published Dec. 11, 1951. Class 32.

Massachusetts Mattress Company, Boston, Mass. Sofa beds and studio couches. 555,243, Feb. 26; Serial No. 574,848, published Dec. 11, 1951. Class 32.

Mathieson Chemical Corporation, Baltimore, Md. Ammonium phosphate fertilizers. 555,423, Feb. 26; Serial No. 611,739, published Nov. 27, 1951. Class 10.

Mawer-Gulden-Annis, Inc., Brooklyn, N. Y. Canned olives. 555,481, Feb. 26; Serial No. 614,155, published Dec. 11, 1951. Class 46.

McGauley, Walter G.: *See*—
Gardner Tooth-Brush Co., Inc., The.

McGraw Electric Company, Chicago, Ill., by merger with Line Material Company. Electric lighting luminaires. 555,170, Feb. 26; Serial No. 520,286, published Nov. 27, 1951. Class 21.

McGraw-Hill Book Company, Inc., New York, N. Y. Publication. 555,517, Feb. 26; Serial No. 604,732. Class 38.

McKay Company, The, Pittsburgh, Pa. Chains, cross chains, and tire chains. 555,247, Feb. 26; Serial No. 576,708, published Dec. 11, 1951. Class 13.

Mechanical Research Ltd., Victoria, British Columbia, Canada. Draft arm for dispensing beverage. 555,279, Feb. 26; Serial No. 589,667, published Dec. 4, 1951. Class 26.

Melba Sweets Co., Cliffside Park, N. J. Candy. 555,502, Feb. 26; Serial No. 578,398. Class 46.

Midwest Furniture Co., Sheboygan, Wis. Chairs. 555,418, Feb. 26; Serial No. 611,234, published Dec. 4, 1951. Class 32.

Milford Canning Company: *See*—
Stone-Ordean-Wells Co.

Miller Brothers Co., Los Angeles, Calif. Toilet seats. 555,467, Feb. 26; Serial No. 612,132, published Dec. 11, 1951. Class 13.

Miniature Precision Bearings, Incorporated, Keene, N. H. Small anti-friction ball-bearings. 555,474, Feb. 26; Serial No. 613,230, published Dec. 11, 1951. Class 23.

Minnesota Consolidated Canneries, Inc., Minneapolis, Minn. Canned potatoes. 555,508, Feb. 26; Serial No. 595,269. Class 46.

Mississippi Chemical Corporation, Yazoo City, Miss. Fertilizer. 555,482, Feb. 26; Serial No. 614,451, published Dec. 4, 1951. Class 10.

Modern Wood Products Company, Inc., New York and Brooklyn, N. Y. Bedroom furniture. 555,244, Feb. 26; Serial No. 575,772, published Oct. 31, 1950. Class 32.

Mole, S. Amos, Buffalo, N. Y. Germicide, disinfectant, deodorant, etc. 289,492, renewed Dec. 1, 1951. O. G. Feb. 26. Class 18.

Mooresville Mills, Inc., Mooresville, N. C. Turkish towels, wash cloths and bath mats. 555,356, Feb. 26; Serial No. 604,016, published Dec. 4, 1951. Class 42.

Morrow, Eva M., Elgin, Ill. Food product. 555,293, Feb. 26; Serial No. 592,091, published Dec. 11, 1951. Class 46.

Movievox Company: *See*—
Bailey, James F.

Moyer, Walter W., Company, Ephrata, Pa. Men's, women's, and children's underwear. 555,360, Feb. 26; Serial No. 604,791, published Nov. 20, 1951. Class 39.

Moyer, Walter W., Company, Ephrata, Pa. Men's, women's, and children's underwear. 555,361, Feb. 26; Serial No. 604,795, published Nov. 20, 1951. Class 39.

Munro, Walter J., New York, N. Y. Baby's sleeping garments. 555,327, Feb. 26; Serial No. 599,447, published Nov. 20, 1951. Class 39.

Murphy-Miller, Inc., Owensboro, Ky. Chairs. 555,395, Feb. 26; Serial No. 607,035, published Dec. 11, 1951. Class 32.

Murphy Sales Company, Atlanta, Ga. Dry cleaning detergent. 555,368, Feb. 26; Serial No. 605,524, published Nov. 27, 1951. Class 52.

Murray, Arthur, Enterprises, Inc., New York, N. Y. Neckties for men and scarfs for women, girls, and boys. 555,378, Feb. 26; Serial No. 606,563, published Oct. 23, 1951. Class 39.

Myerson Tooth Corporation, Cambridge, Mass. Artificial teeth. 555,456, Feb. 26; Serial No. 608,996, published Nov. 13, 1951. Class 44.

N. V. Kristal-, Glas- En Aardewerkfabrieken "de Sphinx" voorheen Petrus Regout & Co., Maastricht, Netherlands. All ceramic products. 272,291, July 1, 1930. Republished Feb. 26. Class 30.

N. V. Polak & Schwarz's Essencefabrieken, Zaandam, Netherlands. Fruit essences. 555,256, Feb. 26; Serial No. 581,004, published Nov. 13, 1951. Class 46.

N. V. Polak & Schwarz's Essencefabrieken, Zaandam, Netherlands. Fruit essences. 555,257, Feb. 26; Serial No. 581,006, published Nov. 13, 1951. Class 46.

N. V. Vereenigde Limonadefabrieken, The Hague, Netherlands. Lemonades, mineral and aerated water, cocoa- and cola-flavored maltless soft drinks. 555,255, Feb. 26; Serial No. 580,736, published Oct. 16, 1951. Class 45.

Nahon Company, The, New York, N. Y. Sofas, chairs, benches, etc. 555,329, Feb. 26; Serial No. 599,839, published Dec. 4, 1951. Class 32.

Nason, R. N., & Co., San Francisco, Calif. Paints, paint primers, and paint thinners. 555,183, Feb. 26; Serial No. 546,862, published Dec. 4, 1951. Class 16.

National Distillers Products Corporation, New York, N. Y. Dried solubles. 555,355; Feb. 26; Serial No. 603,807, published Dec. 11, 1951. Class 46.

National Foam System, Inc., West Chester, Pa. Fire-extinguishing chemicals and compositions. 555,470, Feb. 26; Serial No. 612,343, published Nov. 27, 1951. Class 6.

National Metal Edge Box Company, Philadelphia, Pa. Document, pamphlet, and sheet music file boxes. 555,285, Feb. 26; Serial No. 591,043, published Nov. 20, 1951. Class 32.

National-Rose Company, The, Memphis, Tenn. Mattresses. 555,205, Feb. 26; Serial No. 559,531, published Dec. 11, 1951. Class 32.

Navlen, Charles A., New York, N. Y. Radio receiving sets, television receiving sets, electric fans, etc. 555,370, Feb. 26; Serial No. 605,669, published Nov. 27, 1951. Class 21.

Nell, Luther A., doing business as Kin-Aid Laboratories, to Dr. A. A. de la Torre, Jr., El Paso, Tex. Tooth powder. 292,988, renewed Apr. 5, 1952. O. G. Feb. 26. Class 51.

Nekoosa-Edwards Paper Company, Port Edwards, Wis. Bleached kraft paper. 286,911, Sept. 8, 1931. Republished Feb. 26. Class 37.

Nelson, L. R., Mfg. Co., Inc., Peoria, Ill. Hose nozzle. 555,383–5, Feb. 26; Serial Nos. 606,882–4, published Dec. 11, 1951. Class 13.

Nelson, L. R., Mfg. Co., Inc., Peoria, Ill. Lawn sprinkler. 555,386–90, Feb. 26; Serial Nos. 606,885–9, published Dec. 11, 1951. Class 13.

Nielsen, C. H., Paradise, Calif. Fresh apples. 555,408, Feb. 26; Serial No. 608,466, published Nov. 27, 1951. Class 46.

Nopco Chemical Company, Harrison, N. J. Detergent. 555,270, Feb. 26; Serial No. 585,677, published Nov. 27, 1951. Class 52.

Nopco Chemical Company, Harrison, N. J. High potency vitamin-containing solids. 555,379, Feb. 26; Serial No. 606,787, published Nov. 6, 1951. Class 18.

Nopco Chemical Company, Harrison, N. J. Sole leather wax polishes. 555,380, Feb. 26; Serial No. 606,790, published Nov. 27, 1951. Class 4.

Nopco Chemical Company, Harrison, N. J. High potency vitamin-containing solids. 555,381–2, Feb. 26; Serial Nos. 606,799–800, published Nov. 6, 1951. Class 18.

North, H. W., Company, The, Erie, Pa. Automatic mixing, kneading, and processing machinery. 555,191, Feb. 26; Serial No. 552,873, published Oct. 16, 1951. Class 23.

Northland Canning Company, Cokato, Minn. Canned corn. 555,529, Feb. 26; Serial No. 614,212. Class 46.

Norton, Nell C., doing business under the firm name and style of Apex Mfg. Laboratories, South Pasadena, Calif. Electrically operated hedge clipper and lawn edger. 555,352, Feb. 26; Serial No. 603,416, published Oct. 16, 1951. Class 23.

Ohio Hydrate & Supply Company, The, Woodville, Ohio. Lime for agriculture purposes. 555,363, Feb. 26; Serial No. 604,988, published Dec. 4, 1951. Class 10.

Ohmer Corporation, Dayton, Ohio, now by change of name Rockwell Register Corporation. Automatic recording fare register. 555,459, Feb. 26; Serial No. 609,251, published Dec. 4, 1951. Class 26.

Opticon Co., The: *See*—
Sweeney, John D.

Oriole Rule Manufacturing Corp., Baltimore, Md. Rules and extension rules. 555,473, Feb. 26; Serial No. 613,107, published Dec. 4, 1951. Class 26.

Owens Krass, Inc., Rochester, N. Y. Card game. 555,335, Feb. 26; Serial No. 600,134, published Dec. 4, 1951. Class 22.

Page & Shaw, Inc., Cambridge, Mass. Candy. 293,344, renewed Apr. 19, 1952. O. G. Feb. 26. Class 46.

Pandora Knitwear, Inc., New York, N. Y. Nylon yarns. 555,241, Feb. 26; Serial No. 573,786, published Sept. 19, 1950. Class 43.

Parfums Evyan Inc., New York, N. Y. Negligees, nightgowns, evening gowns, etc. 555,331, Feb. 26; Serial No. 599,968, published Dec. 11, 1951. Class 39.

Parkersburg Rig & Reel Company, The, Parkersburg, W. Va., and Houston, Tex. Tank-like separator with necessary regulators, gauges, etc. 555,275, Feb. 26; Serial No. 589,040, published Oct. 16, 1951. Class 23.

Parkview Markets, Inc., Cincinnati, Ohio. Canned vegetables, canned fruits, canned fish, canned juices. 555,314, Feb. 26; Serial No. 596,376, published Dec. 11, 1951. Class 46.

Parts Analysis and Services Company: *See*—
Killmer, Lawrence E.

Patterson-Sargent Company, The, Cleveland, Ohio. Ready-mixed paints. 555,398, Feb. 26; Serial No. 607,447, published Nov. 27, 1951. Class 16.

Penn Controls, Inc.: *See*—
Penn Electric Switch Co.

Penn Electric Switch Co., Goshen, Ind., now by merger Penn Controls, Inc. Relays, solenoid valves, electric motor-driven furnace damper operators, etc. 555,220, Feb. 26; Serial No. 564,463, published Nov. 20, 1951. Class 21.

Photographic Electrical Company, Limited, London, England. Apparatus for reproducing motion picture films and sounds, film editing machines. 555,316, Feb. 26; Serial No. 596,676, published Dec. 4, 1951. Class 26.

Piedmont Shirt Company, Greenville, S. C. Men's and boys' outer shirts, collars and cuffs. 555,357, Feb. 26; Serial No. 604,385, published Nov. 27, 1951. Class 39.
Piedmont Shirt Company, Greenville, S. C. Men's and boys' outer shirts, collars, and cuffs. 555,412, Feb. 26; Serial No. 608,671, published Nov. 20, 1951. Class 39.
Piedmont Shirt Company, Greenville, S. C. Men's and boys' outer shirts, collars and cuffs. 555,450–1, Feb. 26; Serial Nos. 608,673–4, published Nov. 20, 1951. Class 39.
Piedmont Shirt Company, Greenville, S. C. Men's and boys' outer shirts, collars and cuffs. 555,464, Feb. 26; Serial No. 608,675, published Nov. 27, 1951. Class 39.
Pik-Nik Food Products Co.: *See*—
Poole, Albert J.
Pile Fabric Manufacturing Company (Bradford), Limited, The, Bradford, England. Furnishing fabrics. 289,439, renewed Nov. 24, 1951. O. G. Feb. 26. Class 42.
Pinkham Properties, Exeter, Calif. Fresh grapes. 555,195, Feb. 26; Serial No. 555,075, published Nov. 27, 1951. Class 46.
Pioneer Paper Company, Los Angeles, Calif., by The Flintkote Company, New York, N. Y. Bituminous emulsions. 290,414, Jan. 5, 1932. Republished Feb. 26. Class 12.
Pool Manufacturing Company, Sherman, Tex. Work pants, work shirts, and one-piece work suits. 555,303 Feb. 26; Serial No. 594,332, published Dec. 11, 1951. Class 39.
Poole, Albert J., doing business as Pik-Nik Food Products Co., San Jose, Calif. Shoe string potatoes. 555,196, Feb. 26; Serial No. 555,626, published Nov. 20, 1951. Class 46.
Porcelain Tile Company, Warren, to Clyde Porcelain Steel Corporation, Clyde, Ohio. Tiles, foundation sheets for tiles, and cement. 293,148, renewed Apr. 12, 1952. O. G. Feb. 26. Class 12.
Potter, William, New York, N. Y., to Red Devil Tools, Irvington, N. J. Wood scrapers, parts thereof, and scraper blades. 290,247, renewed Dec. 22, 1951. O. G. Feb. 26. Class 23.
Powell Products, Inc., Chicago, Ill. Portable photographic lamp holders. 555,348, Feb. 26; Serial No. 602,123, published Dec. 4, 1951. Class 21.
Publishers Book Bindery, Inc., Cambridge, Mass. Bookbinding. 555,531, Feb. 26; Serial No. 587,208. Class 106.
Publix Shirt Corporation, New York, N. Y. Sport shirts. 555,463, Feb. 26; Serial No. 609,603, published Nov. 20, 1951. Class 39.
Quaker Oats Company, The, Chicago, Ill. Poultry and stock feeds. 234,131, Oct. 18, 1927. Republished Feb. 26. Class 46.
Quaker Oats Company, The, Chicago, Ill. Wheat flour. 555,249, Feb. 26; Serial No. 577,685, published Nov. 27, 1951. Class 46.
Quaker Maid Mills, Inc., Philadelphia, Pa. Textile bath mats and rugs. 555,501, Feb. 26; Serial No. 572,767. Class 42.
Radio Craftsmen, Inc., The, Chicago, Ill. Television receivers, radio receivers, and audio amplifiers. 555,479, Feb. 26; Serial No. 614,009, published Nov. 27, 1951. Class 21.
Ransburg, Harper J., Co., Inc., Indianapolis, Ind. Combination bottle opener and bottle cap receiver. 555,402, Feb. 26; Serial No. 608,082, published Nov. 27, 1951. Class 23.
Rauh Company, The, Cincinnati, Ohio. Men's and boys' outer shirts. 555,400, Feb. 26; Serial No. 607,868, published Nov. 27, 1951. Class 39.
Ravasi, Giuseppe, Como, Italy. Scarves, dressing-gowns, neckties, etc. 555,514, Feb. 26; Serial No. 600,618. Class 39.
Raybestos-Manhattan, Inc., Passaic, N. J. Brake linings and brake blocks. 555,466, Feb. 26; Serial No. 612,086, published Nov. 27, 1951. Class 35.
Red Devil Tools: *See*—
Potter, William.
Resnick, Julius, Inc., New York, N. Y. Ladies' and children's handbags. 555,320, Feb. 26; Serial No. 597,843, published Nov. 27, 1951. Class 3.
Rezolin, Inc., Los Angeles, Calif. Phenolic plastic resin. 555,311, Feb. 26; Serial No. 595,916, published Dec. 4, 1951. Class 6.
Rhythm Lingerie, Inc.: *See*—
Farnsworth, Eva O.
Richberry Electric Co., Chicago, Ill. Portable electric hand lanterns. 555,397, Feb. 26; Serial No. 607,399, published Dec. 4, 1951. Class 21.
Riegel Textile Corporation: *See*—
Vandam, Albert H., Co. Inc.
Rochester Enterprises, Inc., Rochester, N. Y. Board and card games. 555,177, Feb. 26; Serial No. 539,216, published Dec. 5, 1950. Class 22.
Rockford Screw Products Co., Rockford, Ill. Machine and wood screws and machine screw nuts. 555,318, Feb. 26; Serial No. 597,785, published Dec. 11, 1951. Class 13.
Rockwell Register Corporation: *See*—
Ohmer Corporation.
Rodgers, Ralph, White Plains, N. Y. Brief bags and cases. 555,424, Feb. 26; Serial No. 611,741, published Nov. 27, 1951. Class 3.
Rogers, Custer, doing business as Rogers Food Products, Lawrence, Mass. Canned and bottled comestibles. 555,228, Feb. 26; Serial No. 566,049, published Dec. 11, 1951. Class 46.
Rogers Food Products: *See*—
Rogers, Custer.
Roof Structures, Inc.: *See*—
Lamella Roof Syndicate, Inc.
Rose's 5, 10, 25¢ Stores, Inc., Henderson, N. C., and Norfolk, Va. Candy. 555,289, Feb. 26; Serial No. 591,107, published Nov. 6, 1951. Class 46.
Rothman, Harry, Inc., New York, N. Y. Men's suits, top coats, sport coats, etc. 555,401, Feb. 26; Serial No. 608,019, published Nov. 20, 1951. Class 39.
Royal Apex Manufacturing Corporation, Brooklyn, N. Y. Gutter and downspout supports and accessories. 555,224, Feb. 26; Serial No. 565,859, published Nov. 6, 1951. Class 12.
Rutland Fire Clay Company, Rutland, Vt. Spackling compound. 555,236, Feb. 26; Serial No. 571,664, published Nov. 13, 1951. Class 12.
S. A. Establecimiento Modelo Terrabusi: *See*—
Ambrosius Urberto Terrabusi.
S K F Industries, Inc., Philadelphia, Pa. Engineering service. 555,490, Feb. 26; Serial No. 559,862, published Dec. 4, 1951. Class 100.
Sachs Quality Stores, Inc., New York, N. Y. Bedroom furniture, living-room furniture, dining-room furniture, etc. 555,276, Feb. 26; Serial No. 589,043, published Nov. 20, 1951. Class 32.
Samarkand Mills, Inc., Rock Hill, S. C., and New York, N. Y. Textile rugs. 555,500, Feb. 26; Serial No. 570,123. Class 42.
San Dimas Orange Growers Association, San Dimas, Calif. Fresh citrus fruits. 555,504, Feb. 26; Serial No. 583,819. Class 46.
Sanford, D. E., Company: *See*—
Sanford, David E.
Sanford, David E., doing business under the fictitious name and style of D. E. Sanford Company, Los Angeles, Calif. Porcelain enameled cast iron utensils. 555,471, Feb. 26; Serial No. 612,357, published Dec. 11, 1951. Class 13.
Sawhill Manufacturing Company, The, Wheatland, Pa. Posts for supporting floors and the like. 555,332, Feb. 26; Serial No. 599,981, published Nov. 6, 1951. Class 12.
Schloss Bros. & Co. Inc., Baltimore, Md. Men's and young men's and boys' suits, coats, trousers, sport coats, etc. 555,184, Feb. 26; Serial No. 547,391, published Nov. 27, 1951. Class 39.
Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' and children's slips. 555,204, Feb. 26; Serial No. 558,940, published Dec. 11, 1951. Class 39.
Schwanda, B., & Sons, New York, N. Y. Buttons. 555,230, Feb. 26; Serial No. 577,910, published Dec. 11, 1951. Class 40.
Scudder Food Products, Inc., Monterey Park, Calif. Food products. 555,274, Feb. 26; Serial No. 588,712, published Oct. 30, 1951. Class 46.
Security Seal Company: *See*—
Canter, George G.
Seg-Mar, Inc., New Orleans, La. Work and sport clothes. 555,428, Feb. 26; Serial No. 610,526, published Nov. 27, 1951. Class 39.
Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Men's and boys' suits, overcoats, topcoats, etc. 555,442, Feb. 26; Serial No. 610,101, published Nov. 20, 1951. Class 39.
Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Men's and boys' suits, overcoats, topcoats, etc. 555,443, Feb. 26; Serial No. 610,102, published Nov. 27, 1951. Class 39.
Selected Risks Indemnity Company, Branchville, N. J. Underwriting of insurance. 555,492, Feb. 26; Serial No. 569,482, published Dec. 11, 1951. Class 102.
Selig Company, The: *See*—
Selig Company, Inc., The.
Selig Company, Inc., The, doing business as The Selig Company, Atlanta, Ga. Germicidal soap. 555,515, Feb. 26; Serial No. 603,256. Class 52.
Servomechanisms, Inc., Mineola, N. Y. Servomechanism devices and electrical devices. 555,291, Feb. 26; Serial No. 591,869, published Nov. 27, 1951. Class 21.
Sheeler, Morris, Alexandria, Va. Entertainment service. 555,494, Feb. 26; Serial No. 602,223, published Dec. 4, 1951. Class 107.
Sherwood Feed Mills, Inc., Baltimore, Md. Mixed feeds. 555,503, Feb. 26; Serial No. 579,837. Class 46.
Shifman Bros., Newark, N. J. Mattresses. 555,338, Feb. 26; Serial No. 600,917, published Dec. 4, 1951. Class 32.
Siegel, Henry I., Co. Inc., New York, N. Y. Men's and boys' outer shirts. 555,369, Feb. 26; Serial No. 605,535, published Nov. 20, 1951. Class 39.
Siegfried H., & Sons, Inc., St. Louis, Mo. Men's jackets and slacks. 555,432, Feb. 26; Serial No. 610,803, published Nov. 27, 1951. Class 39.
Signal-Stat Corporation, Brooklyn, N. Y. Vehicle directional signalling devices. 555,350, Feb. 26; Serial No. 602,915, published Nov. 27, 1951. Class 21.
Sleepy-Tot: *See*—
Berkov, Alexander.

Sloan Valve Company, Chicago, Ill. Water closet combinations. 555,447, Feb. 26; Serial No. 610,381, published Dec. 11, 1951. Class 13.
Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Hard surface floor covering of the nature of linoleum. 555,313, Feb. 26; Serial No. 596,366, published Dec. 4, 1951. Class 20.
Smith Agricultural Chemical Company, The, Columbus, Ohio. Battery acids and sulphuric acids. 555,265, Feb. 26; Serial No. 583,451, published Nov. 13, 1951. Class 6.
Smith, T. J. & J., Limited, London, England. Leather breast pocket wallets and billfolds, leather billfolds, etc. 555,334, Feb. 26; Serial No. 600,088, published Nov. 27, 1951. Class 3.
Smithfield Packing Company, Inc., The, Smithfield, Va. Smoked and cooked hams, smoked picnics, link sausage, etc. 555,202, Feb. 26; Serial No. 558,420, published Dec. 4, 1951. Class 46.
Snow, Elisebeth E., Portland, Oreg. Protective plastic rain cape. 444,662, Feb. 26; Serial No. 516,872, published Nov. 27, 1951. Class 39.
Society Brand Clothes, Inc., Chicago, Ill. Men's suits. 555,267, Feb. 26; Serial No. 585,083, published Nov. 27, 1951. Class 39.
Solimene, America, Brooklyn, N. Y. Game devices. 555,325, Feb. 26; Serial No. 599,128, published Dec. 4, 1951. Class 22.
Sossner Tap and Tool Corporation, New York, N. Y. Threading taps. 555,340, Feb. 26; Serial No. 601,283, published Nov. 6, 1951. Class 23.
Southland Company, The, Yazoo City, Miss. Gasoline and lubricating oils. 555,186, Feb. 26; Serial No. 550,627, published Dec. 20, 1949. Class 15.
Spear & Picardi, New York, N. Y. Women's and misses' fur coats. 555,339, Feb. 26; Serial No. 601,079, published Nov. 20, 1951. Class 39.
Sperry Corporation, The: *See*—
Sperry Gyroscope Company, Inc.
Sperry Gyroscope Company, Inc., Brooklyn, N. Y., now by merger The Sperry Corporation. Electrical high frequency apparatus. 444,660, Feb. 26; Serial No. 477,081, published Nov. 27, 1951. Class 21.
Sperry Gyroscope Company, Inc., Great Neck, N. Y., now by merger The Sperry Corporation. Radio instrument and automatic landing equipment for aircraft. 555,169, Feb. 26; Serial No. 513,781, published Dec. 4, 1951. Class 26.
Spool Cotton Company, The, New York, N. Y. Display devices. 288,370, Oct. 27, 1931. Republished Feb. 26. Classes 2 and 32.
Standard Milling Company, Chicago, Ill. Wheat flour. 555,175, Feb. 26; Serial No. 529,499, published Dec. 4, 1951. Class 46.
Standard-Toch Chemicals, Inc.: *See*—
Standard Varnish Works.
Standard Varnish Works, Staten Island, N. Y., now by change of name Standard-Toch Chemicals, Inc. 555,210, Feb. 26; Serial No. 561,783, published Oct. 9, 1951. Class 16.
Stanley Fruit Company, Phoenix, Ariz. Fresh vegetables. 555,475, Feb. 26; Serial No. 613,349, published Dec. 4, 1951. Class 46.
Stewart Dry Goods Company, The, Louisville, Ky., assignor to Associated Dry Goods Corporation, Richmond, Va. Sheets, pillow cases, and blankets. 555,391, Feb. 26; Serial No. 606,908, published Dec. 4, 1951. Class 42.
Stone-Ordean-Wells Co., Duluth, Minn., by Milford Canning Company, Milford, Ill. Canned vegetables. 36,833, July 30, 1901. Republished Feb. 26. Class 46.
Straubel Paper Company, Green Bay, Wis. Packing and liner paper. 555,519, Feb. 26; Serial No. 606,575. Class 37.
Superior Sleeprite Corporation, Chicago, Ill. Beds and bunk beds, vanity chairs, night tables, etc. 555,200, Feb. 26; Serial No. 557,222, published Dec. 11, 1951. Class 32.
Superior Valve and Fittings Company, Pittsburgh, Pa. Flanged compressor valve. 555,168, Feb. 26; Serial No. 509,180, published Dec. 11, 1951. Class 13.
Sweeney, John D., doing business under the name and style of The Opticon Co., St. Louis, Mo. Multiple-image assemblies embodying a plurality of mirrors. 555,271, Feb. 26; Serial No. 586,570, published Nov. 6, 1951. Class 32.
Tabin-Picker & Co., Chicago, Ill. Rayon piece goods. 555,488, Feb. 26; Serial No. 615,951, published Dec. 11, 1951. Class 42.
Tama Trading Company, Inc., Los Angeles, Calif. Cottonseed salad oil. 555,217, Feb. 26; Serial No. 564,358, published Nov. 13, 1951. Class 46.
Tanbro Fabrics Corp., New York, N. Y. Textile fabrics. 555,484–7, Feb. 26; Serial Nos. 615,256–9, published Dec. 4, 1951. Class 42.
Tarrant Manufacturing Company, Saratoga Springs, N. Y. Metal pouring kettles and metal pouring pots, etc. 555,374, Feb. 26; Serial No. 606,062, published Dec. 11, 1951. Class 13.
Taylor, Nellie V., Philadelphia, Pa. Hair tonic. 555,321, Feb. 26; Serial No. 598,441, published Nov. 6, 1951. Class 51.
Taylor Provisions Company, The, Trenton, N. J. Pork roll. 555,372, Feb. 26; Serial No. 605,881, published Nov. 13, 1951. Class 46.
Taylor's of California, Los Angeles, Calif. Garments. 555,207, Feb. 26; Serial No. 560,731, published Nov. 20, 1951. Class 39.
Tenderet Sales Company, Chicago, Ill. Preparation consisting of dehydrated egg albumen and egg yolk. 555,187, Feb. 26; Serial No. 550,860, published Dec. 11, 1951. Class 46.
Tennessee Glove Company, Tullahoma, Tenn. Work gloves. 555,346, Feb. 26; Serial No. 601,868, published Apr. 10, 1951. Class 39.
Terrabusi, Ambrosius Umberto, doing business as Establecimiento Modelo Terrabusi, to S. A. Establecimiento Modelo Terrabusi, Buenos Aires, Argentina. Bakery products. 268,630, renewed Mar. 18, 1950. O. G. Feb. 26. Class 46.
Terrytoons, Inc., New Rochelle, N. Y. Series of motion picture animated cartoons. 555,420, Feb. 26; Serial No. 611,383, published Dec. 4, 1951. Class 26.
Texla Rice, Inc., Crowley, La. Rice. 555,480, Feb. 26; Serial No. 614,020, published Dec. 11, 1951. Class 46.
Theodor, Inc., Los Angeles, Calif. Handbags. 555,439, Feb. 26; Serial No. 608,951, published Nov. 27, 1951. Class 3.
Tidy Products Company, New York, N. Y. Infants' or children's over garments. 555,438, Feb. 26; Serial No. 609,705, published Nov. 20, 1951. Class 39.
Tip-Top Products Company, Omaha, Nebr. Hair curlers. 555,375, Feb. 26; Serial No. 606,091, published Dec. 11, 1951. Class 40.
Tomlinson of High Point, High Point, N. C. Articles of furniture. 555,190, Feb. 26; Serial No. 552,816, published Dec. 11, 1951. Class 32.
Torsch Canning Company, The: *See*—
Torsch Packing Company.
Torsch Packing Company, Baltimore, to The Torsch Canning Company, Frederick, Md. Canned oysters, canned fruits, and canned vegetables. 84,553, re-renewed Dec. 19, 1951. O. G. Feb. 26. Class 46.
Toyad Corporation, Latrobe, Pa. Surgical, industrial and specialty products fabricated from foam rubber—namely, foam rubber pillows. 555,454, Feb. 26; Serial No. 608,799, published Dec. 11, 1951. Class 32.
Trippe, Barker & Co., to W. Lind, doing business as William Lind Co., New York, N. Y. Cotton and linen piece goods. 86,179, re-renewed Apr. 16, 1952. O. G. Feb. 26. Class 42.
Tropco Paint, Inc.: *See*—
Tropical Paint Manufacturing Company, Inc.
Tropical Paint Manufacturing Compny, Inc., Tampa, Fla., now by change of name Tropco Paint, Inc. Inside and outside ready mixed paints. 555,206, Feb. 26; Serial No. 560,065, published Nov. 27, 1951. Class 16.
TruVal Manufacturers, Inc., New York, N. Y. Sport shirts. 555,358, Feb. 26; Serial No. 604,404, published Sept. 18, 1951. Class 39.
United Crayon Co. Inc., Brooklyn, N. Y. Water color sets. 555,319, Feb. 26; Serial No. 597,793, published Dec. 4, 1951. Class 22.
United States Plywood Corporation, New York, N. Y. Laminated panel of wood and metal. 555,188, Feb. 26; Serial No. 551,340, published Nov. 20, 1951. Class 12.
Universal Chemists, Inc., sometimes doing business as Gale Hall Engineering, Boston, Mass. Gauge. 555,440, Feb. 26; Serial No. 609,989, published Dec. 4, 1951. Class 26.
Up-N-Off Mfg. Co.: *See*—
White, Edmund B.
Vandam, Albert H., Co. Inc., by Riegel Textile Corporation, New York, N. Y. Cotton piece goods. 287,841, Oct. 13, 1931. Republished Feb. 26. Class 42.
Van Zile Ventilating Company: *See*—
Van Zile Ventilating Corporation.
Van Zile Ventilating Corporation, New York, N. Y., to Van Zile Ventilating Company, Marietta, Ohio. Ventilating panels. 291,760, renewed Feb. 23, 1952. O. G. Feb. 26. Class 34.
Vapor Heating Corporation, Chicago, Ill. Temperature responsive electrical apparatus. 555,222, Feb. 26; Serial No. 565,092, published Dec. 4, 1951. Class 26.
Varney, Phyllis C., Sacramento, Calif. Scalp and hair conditioner. 555,416, Feb. 26; Serial No. 611,207, published Nov. 6, 1951. Class 51.
Veg-A-Peel Co., Algonac, Mich. Portable electrically operated vegetable peelers. 555,262, Feb. 26; Serial No. 582,366, published Nov. 27, 1951. Class 21.
Vesta Underwear Company: *See*—
Marshall Field & Company.
Victaulic Company Limited, The, London, England. Pipes and pipe fittings. 555,343, Feb. 26; Serial No. 601,764, published Dec. 4, 1951. Class 13.
Victaulic Company Limited, The, London, England. Tube expanding tools. 555,344, Feb. 26; Serial No. 601,765, published Nov. 6, 1951. Class 23.
Vitalerth Products Limited, Vancouver, British Columbia, Canada. Fertilizers. 555,277, Feb. 26; Serial No. 589,129, published Dec. 4, 1951. Class 10.
Volay of Paris Company, Greenwich, Conn. Body lotions. 555,251, Feb. 26; Serial No. 578,178, published Nov. 6, 1951. Class 51.

Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Hook and eye tape. 289,822, renewed Dec. 8, 1951. O. G. Feb. 26. Class 40.

Wasco Flashing Co., Cambridge, Mass. Flashing structures. 555,230, Feb. 26; Serial No. 566,733, published Nov. 6, 1951. Class 12.

Washington Manufacturing Company, Nashville, Tenn. Men's and boys' clothing. 555,419, Feb. 26; Serial No. 611,319, published Nov. 27, 1951. Class 39.

Watt Publishing Co., Mount Morris, Ill. Magazine. 555,516, Feb. 26; Serial No. 603,562. Class 38.

Webster, Mrs. Mabel E., Minneapolis, Minn. Pull or handle for manipulating window shades. 555,337, Feb. 26; Serial No. 600,459, published Nov. 20, 1951. Class 32.

Weinbrenner, Albert H., Co., Milwaukee, Wis. Shoes. 555,232, Feb. 26; Serial No. 569,113, published Nov. 27, 1951. Class 39.

Weltz, S., & Co., Inc., Cleveland, Ohio. Women's and misses', boys', youths' and men's raincoats, topcoats and overcoats. 555,435–6, Feb. 26; Serial Nos. 610,940–1, published Nov. 27, 1951. Class 39.

Welters, Edward A., doing business as Welters Mfg. Co., Jacksonville, Fla., to E. A. Welters, Chicago, Ill. Soap. 289,104, renewed Nov. 17, 1951. O. G. Feb. 26. Class 52.

Welters Mfg. Co.: *See*—
Welters, Edward A.

West Disinfecting Company, Long Island City, N. Y. Preservative in the nature of a varnish; varnish like preparation. 555,422, Feb. 26; Serial No. 611,670, published Nov. 27, 1951. Class 16.

West Bend Aluminum Co., West Bend, Wis. Metal cooking utensils. 555,472, Feb. 26; Serial No. 612,640, published Dec. 11, 1951. Class 13.

Western Clock Company, Peru, to General Time Corporation, La Salle, Ill. Electrical motors. 290,590–2, renewed Jan. 12, 1952. O. G. Feb. 26. Class 21.

Western Clock Company, Peru, to General Time Corporation, La Salle, Ill. Electrical motors. 290,594, renewed Jan. 12, 1952. O. G. Feb. 26. Class 21.

Whip Mix Corporation: *See*—
Falls City Dental Specialty Co., Inc.

White & Bagley Company, The, Worcester, Mass. Penetrants and lubricants. 292,045, renewed Mar. 1, 1952. O. G. Feb. 26. Class 15.

White, Edmund B., doing business as Up-N-Off Mfg. Co., Juincy, Mass. Hand opener. 555,353, Feb. 26; Serial No. 603,509, published Nov. 20, 1951. Class 23.

Wile, M., & Company, Inc., Buffalo, N. Y. Men's and boys' overcoats, topcoats, suits, etc. 555,427, Feb. 26; Serial No. 611,986, published Nov. 27, 1951. Class 39.

Wile, M., & Company, Inc., Buffalo, N. Y. Men's outer garments. 555,430, Feb. 26; Serial No. 610,652, published Nov. 20, 1951. Class 39.

Willett, Walter E., Cortland, N. Y. Water repellent for stone, masonry, fabrics and compositions for hardening masonry or other products. 555,455, Feb. 26; Serial No. 608,967, published Dec. 11, 1951. Class 6.

Williams, M. G., doing business as The Calhawaii Company, Pasadena, Calif. Draperies. 555,305, Feb. 26; Serial No. 594,677, published Dec. 4, 1951. Class 42.

Williams Oil-O-Matic Heating Corporation, by Eureka Williams Corporation, Bloomington, Ill. Automatically electrically controlled and operated fuel heating systems. 290,863, Jan. 19, 1932. Republished Feb. 26. Class 34.

Willson Products, Inc., Reading, Pa. Respirator and mask attachments. 290,480, renewed Jan. 5, 1952. O. G. Feb. 26. Class 44.

Wilmington Hosiery Mills, Inc., Wilmington, Del. Socks. 541,162, Apr. 17, 1951. Amended. O. G. Feb. 26. Class 39.

Wilson-Imperial Company, Newark, N. J. Preparation for removing paint or varnish. 555,215, Feb. 26; Serial No. 564,037, published Nov. 27, 1951. Class 16.

Wingwax Company, The, Dayton, Ohio. Cleaner and polish. 555,505, Feb. 26; Serial No. 586,336. Class 4.

Wisconsin Protective Coating Co., Green Bay, Wis. Plastic paints, varnishes and enamels. 555,477, Feb. 26; Serial No. 613,621, published Dec. 4, 1951. Class 16.

Wood Products Manufacturing Co., Rocky Mount, N. C. Venetian blinds. 555,365–6, Feb. 26; Serial Nos. 605,128–9, publishing Dec. 4, 1951. Class 32.

Xint Spanish Food Co.: *See*—
Crawford, Charles C.

Zippy Products, Inc.: *See*—
Candy Crafters, Inc.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. The Kearns Coal Company. 311,066, Mar. 13, 1934. Republished Feb. 26.

Cushion material. Crown Cork & Seal Company, Inc. 291,872, Feb. 23, 1932. Republished Feb. 26.

Leather, Finished. A. C. Lawrence Leather Co. 85,911, re-renewed Mar. 26, 1952. O. G. Feb. 26.

Leather, Processed, and sheet leather. Genuine Leather Processing Corp. 555,367, Feb. 26; Serial No. 605,358, published July 17, 1951.

Leather, Side. American Hide and Leather Company. 287,095, Sept. 15, 1931. Republished Feb. 26.

Mats, blocks, balls, etc., of natural cork, etc. Armstrong Cork Company. 555,269, Feb. 26; Serial No. 585,627, published Nov. 13, 1951.

Pulp, Purified cotton linter. Hercules Powder Company. 289,304–5, Nov. 24, 1931. Republished Feb. 26.

Seed mixtures, Lawn. Garden State Seed Co., Inc. 555,399, Feb. 26; Serial No. 607,668, published Oct. 30, 1951.

Synthetic resins. Imperial Chemical Industries Limited. 555,324, Feb. 26; Serial No. 598,653, published Nov. 13, 1951.

CLASS 2

Display devices. The Spool Cotton Company. 288,370, Oct. 27, 1931. Republished Feb. 26.

CLASS 3

Billfolds. Amity Leather Products Co. 555,431, Feb. 26; Serial No. 610,662, published Nov. 27, 1951.

Brief bags and cases. R. Rodgers. 555,424, Feb. 26; Serial No. 611,741, published Nov. 27, 1951.

Dressing cases, Portable and convertible. Betrix Company. 555,362, Feb. 26; Serial No. 604,833, published Nov. 27, 1951.

Handbags. Theodor, Inc. 555,439, Feb. 26; Serial No. 609,951, published Nov. 27, 1951.

Handbags, Ladies' and children's. Julius Resnick Inc. 555,320, Feb. 26; Serial No. 597,843, published Nov. 27, 1951.

Wallets and billfolds, Leather breast pocket, leather billfolds, etc. T. J. & J. Smith Limited. 555,334, Feb. 26; Serial No. 600,088, published Nov. 27, 1951.

CLASS 4

Cleaner and polish. The Wingwax Company. 555,505, Feb. 26; Serial No. 586,336.

Liquid for cleaning, preserving, and polishing surfaces. Huntington Laboratories, Inc. 555,429, Feb. 26; Serial No. 610,559, published Nov. 13, 1951.

Wax finish, Water-proof. Clean Surface Products Company. 289,904, renewed Dec. 15, 1951. O. G. Feb. 26.

Wax polishes, Sole leather. Nopco Chemical Company. 555,380, Feb. 26; Serial No. 606,790, published Nov. 27, 1951.

CLASS 5

Gummed paper tape. The Gummed Products Company. 555,176, Feb. 26; Serial No. 532,447, published Nov. 6, 1951.

CLASS 6

Battery acids and sulphuric acids. The Smith Agricultural Chemical Company. 555,265, Feb. 26; Serial No. 583,451, published Nov. 13, 1951.

Bleaching compound, Clothes. Marnett Chemicals, Inc. 555,476, Feb. 26; Serial No. 613,516, published Dec. 4, 1951.

Chemical compositions, Liquid aromatic. Fritzsche Brothers, Inc. 555,237, Feb. 26; Serial No. 571,961, published Nov. 6, 1951.

Chemicals. Arkansas Company Inc. 292,294, renewed Mar. 8, 1952. O. G. Feb. 26.

Chemicals and compositions, Fire-extinguishing. National Foam System, Inc. 555,470, Feb. 26; Serial No. 612,343, published Nov. 27, 1951.

Chemicals and preparations thereof. General Aniline & Film Corporation. 555,280, Feb. 26; Serial No. 589,716, published Nov. 13, 1951.

Chemicals and preparations thereof. General Aniline & Film Corporation. 555,281, Feb. 26; Serial No. 589,719, published Nov. 13, 1951.

Dry water repellent concentrate. Eaton Chemical and Dyestuff Company. 555,465, Feb. 26; Serial No. 612,061, published Nov. 27, 1951.

Fungicide for turf diseases. Mallinckrodt Chemical Works. 555,449, Feb. 26; Serial No. 610,519, published Nov. 27, 1951.

Phenolic plastic resin. Rezolin, Inc. 555,311, Feb. 26; Serial No. 595,916, published Dec. 4, 1951.

Starch, Liquid. Candy Crafters, Inc. 441,631, Dec. 21, 1948. Republished Feb. 26.

Sulphur. Koppers Products Company. 289,526, Dec. 1, 1931. Republished Feb. 26.

Water repellent for stone, masonry, fabrics and compositions for hardening masonry or other products. W. E. Willett. 555,455, Feb. 26; Serial No. 608,967, published Dec. 11, 1951.

CLASS 9

Pistols. Colt's Patent Fire Arms Manufacturing Co. 288,609, renewed Nov. 3, 1951. O. G. Feb. 26.

Propellent powders for shot guns, rifled arms, etc. Hercules Powder Company. 289,898, Dec. 15, 1931. Republished Feb. 26.

Revolvers. Colt's Patent Fire Arms Manufacturing Co. 288,610, renewed Nov. 3, 1951. O. G. Feb. 26.

CLASS 10

Fertilizer. Mississippi Chemical Corporation. 555,482, Feb. 26; Serial No. 614,451, published Dec. 4, 1951.

Fertilizer, Commercial. Green & Reedy Fertilizer Plant. 555,410, Feb. 26; Serial No. 608,585, published Dec. 4, 1951.

Fertilizers. Vitalerth Products Limited. 555,277, Feb. 26; Serial No. 589,129, published Dec. 4, 1951.

Fertilizers, Ammonium phosphate. Mathieson Chemical Corporation. 555,423, Feb. 26; Serial No. 611,739, published Nov. 27, 1951.

Lime for agricultural purposes. The Ohio Hydrate & Supply Company. 555,363, Feb. 26; Serial No. 604,988, published Dec. 4, 1951.

CLASS 12

Bituminous emulsions. Pioneer Paper Company. 290,414, Jan. 5, 1932. Republished Feb. 26.

Building siding. Central Building Products Company. 555,309, Feb. 26; Serial No. 595,654, published Nov. 13, 1951.

Cement, Portland. Dewey Portland Cement Company. 290,413, renewed Jan. 5, 1952. O. G. Feb. 26.

Flashing structures. Wasco Flashing Co. 555,230, Feb. 26; Serial No. 566,733, published Nov. 6, 1951.

Gutter and downspout supports and accessories. Royal Apex Manufacturing Corporation. 555,224, Feb. 26; Serial No. 565,859, published Nov. 6, 1951.

Panel of wood and metal, Laminated. United States Plywood Corporation. 555,188, Feb. 26; Serial No. 551,340, published Nov. 20, 1951.

Porcelain enameled thin metallic sheets. Baltimore Porcelain Steel Corporation. 555,342, Feb. 26; Serial No. 601,592, published Nov. 6, 1951.

Posts for supporting floors and the like. The Sawhill Manufacturing Company. 555,332, Feb. 26; Serial No. 599,981, published Nov. 6, 1951.

Refractory coating. Armor-Clad Company. 444,664, Feb. 26; Serial No. 525,762, published Nov. 27, 1951.

Sheathing paper and wall board. Fibreboard Products Inc. 291,263, renewed Feb. 2, 1952. O. G. Feb. 26.

Spackling compound. Rutland Fire Clay Company. 555,236, Feb. 26; Serial No. 571,664, published Nov. 13, 1951.

Steel facing or armor for concrete curbing. C. C. Burt. 555,304, Feb. 26; Serial No. 594,434, published Nov. 13, 1951.

Steel products. Laclede Steel Company. 555,231, Feb. 26; Serial No. 568,311, published Nov. 13, 1951.

Structural members for constructing roofs. Lamella Roof Syndicate, Inc. 279,800, Jan. 27, 1931. Republished Feb. 26.

Tiles, Floor. David E. Kennedy, Inc. 396,155, June 30, 1942. Republished Feb. 26.

Tiles, Floor. David E. Kennedy, Inc. 424,034, Sept. 17, 1946. Republished Feb. 26.

Tiles, foundation sheets for tiles, and cement. Porcelain Tile Company. 293,148, renewed Apr. 12, 1952. O. G. Feb. 26.

Wallboard. Robert Gair Company, Inc. 555,261, Feb. 26; Serial No. 582,223, published Nov. 13, 1951.

CLASS 13

Bolts. Eckenbeck & Madden Co. 555,497, Feb. 26; Serial No. 555,490.

Chains, cross chains, and tire chains. The McKay Company. 555,247, Feb. 26; Serial No. 576,708, published Dec. 11, 1951.

Clamping structures and elements. Delta-Star Electric Company. 555,229, Feb. 26; Serial No. 566,327, published Dec. 11, 1951.

Compressor valve, Flanged. Superior Valve and Fittings Company. 555,168, Feb. 26; Serial No. 509,180, published Dec. 11, 1951.

Cushioned glides. T. R. Brawley Felt Co. Inc. 555,259, Feb. 26; Serial No. 581,401, published Dec. 11, 1951.

Door closers and parts thereof, door and window finishing hardware. Independent Lock Company. 555,221, Feb. 26; Serial No. 564,817, published Dec. 11, 1951.

Door handles, cabinet catches and fittings, hinges and butts, etc. Aug. Stenman Aktiebolag. 555,425, Feb. 26; Serial No. 611,750, published Dec. 11, 1951.

Hose nozzle. L. R. Nelson Mfg. Co., Inc. 555,383–5, Feb. 26; Serial Nos. 606,882–4, published Dec. 11, 1951.

Kettles, Metal pouring, and metal pouring pots, etc. Tarrant Manufacturing Company. 555,374, Feb. 26; Serial No. 606,062, published Dec. 11, 1951.

Lawn sprinkler. L. R. Nelson Mfg. Co., Inc. 555,386–90, Feb. 26; Serial Nos. 606,885–9, published Dec. 11, 1951.

Machine and wood screws and machine screw nuts. Rockford Screw Products Co. 555,318, Feb. 26; Serial No. 597,785, published Dec. 11, 1951.

Metal cooking utensils. West Bend Aluminum Co. 555,472, Feb. 26; Serial No. 612,640, published Dec. 11, 1951.

Metal ware, Electroplated. Gorham Manufacturing Company. 37,939, re-renewed Mar. 11, 1952. O. G. Feb. 26.

Pipes and pipe fittings. The Victaulic Company Limited. 555,343, Feb. 26; Serial No. 601,764, published Dec. 4, 1951.

Porcelain enameled cast iron utensils. D. E. Sanford. 555,471, Feb. 26; Serial No. 612,357, published Dec. 11, 1951.

Shower cabinets. Flat Metal Manufacturing Company. 555,469, Feb. 26; Serial No. 612,249, published Dec. 11, 1951.

Spiral nails. Eastern States Farmers' Exchange. 555,233, Feb. 26; Serial No. 569,362, published Dec. 11, 1951.

Thumb tacks, upholstery nails, furniture nails, etc. Huebel Bros., Inc. 555,227, Feb. 26; Serial No. 565,987, published Dec. 11, 1951.

Toilet seats. Miller Brothers Co. 555,467, Feb. 26; Serial No. 612,132, published Dec. 11, 1951.

Valves. The Baldwin Locomotive Works. 555,197, Feb. 26; Serial No. 555,896, published Dec. 11, 1951.

Valves, Dispensing. Exton Chemicals, Inc. 555,511, Feb. 26; Serial No. 598,296.

Valves, Safety. Consolidated Brass Company. 555,462, Feb. 26; Serial No. 609,536, published Dec. 11, 1951.

Water closet combinations. Sloan Valve Company. 555,447, Feb. 26; Serial No. 610,381, published Dec. 11, 1951.

Wire fence. Keystone Steel and Wire Company. 555,298, Feb. 26; Serial No. 593,319, published Dec. 11, 1951.

CLASS 15

Gasoline and lubricating oils. The Southland Company. 555,186, Feb. 26; Serial No. 550,627, published Dec. 20, 1949.

Penetrants and lubricants. The White & Bagley Company. 292,045, renewed Mar. 1, 1952. O. G. Feb. 26.

CLASS 16

Lacquer, Clear and colored, and synthetic resinous and phenolic coatings. The Chemical Coatings Corporation. 555,194, Feb. 26; Serial No. 554,208, published Mar. 27, 1951.

Lacquers. Dupli-Color Products Company, Inc. 555,306, Feb. 26; Serial No. 595,367, published Nov. 27, 1951.

Paint and enamels. Standard Varnish Works. 555,210, Feb. 26; Serial No. 561,783, published Oct. 9, 1951.

Paint, Ready mixed oil, varnish, and enamel. Davis Paint Co. 444,589, Oct. 23, 1951. Republished Feb. 26.

Paints and industrial finishes. Color Craft Corporation. 444,663, Feb. 26; Serial No. 523,567, published July 3, 1951.

Paints, Inside and outside ready mixed. Tropical Paint Manufacturing Company, Inc. 555,206, Feb. 26; Serial No. 560,065, published Nov. 27, 1951.

Paints, paint primers, and paint thinners. R. N. Nason & Co. 555,183, Feb. 26; Serial No. 546,862, published Dec. 4, 1951.

Paints, Ready-mixed. The Patterson-Sargent Company. 555,398, Feb. 26; Serial No. 607,447, published Nov. 27, 1951.

Paints, Ready mixed, paste paints, paint enamels, etc. Atlantic Varnish and Paint Company, Incorporated. 555,307, Feb. 26; Serial No. 595,585, published Nov. 27, 1951.

Paints, varnishes, and enamels, Plastic. Wisconsin Protective Coating Co. 555,477, Feb. 26; Serial No. 613,621, published Dec. 4, 1951.

Preparation for removing paint or varnish. Wilson-Imperial Company. 555,215, Feb. 26; Serial No. 564,037, published Nov. 27, 1951.

Preservative in the nature of a varnish; varnish like preparation. West Disinfecting Company. 555,422, Feb. 26; Serial No. 611,670, published Nov. 27, 1951.

Transparent, liquid finish, in the nature of a varnish. Arny Chemical Corporation. 555,203, Feb. 26; Serial No. 558,442, published Nov. 27, 1951.

Wall texture preparation. Art-Tex Adhesive Products, Inc. 291,019, renewed Jan. 26, 1952. O. G. Feb. 26.

Wax. David E. Kennedy, Inc. 426,402, Dec. 24, 1946. Republished Feb. 26.

CLASS 17

Tobacco, Smoking, and cigarettes. Larus & Brother Company, Incorporated. 291,854, renewed Feb. 23, 1952. O. G. Feb. 26.

CLASS 18

Antiseptic. Arweli Products Company. 290,826, renewed Jan. 19, 1952. O. G. Feb. 26.

Cough syrup. Chapman & Rodgers, Inc. 283,791, renewed June 9, 1951. O. G. Feb. 26.

Germicide, disinfectant, deodorant, etc. S. A. Mole. 289,492, renewed Dec. 1, 1951. O. G. Feb. 26.

High potency vitamin-containing solids. Nopco Chemical Company. 555,379, Feb. 26; Serial No. 606,787, published Nov. 6, 1951.

High potency vitamin-containing solids. Nopco Chemical Company. 555,381–2, Feb. 26; Serial Nos. 606,799–800, published Nov. 6, 1951.

Medicinal agent. E. Bilhuber, Inc. 555,448, Feb. 26; Serial No. 610,490, published Nov. 6, 1951.

Medicinal preparation, Anti-infection. M. L. N. de Padilla. 555,219, Feb. 26 · Serial No. 564,456, published Dec. 4, 1951.

Particular remedy for lung and throat troubles, a body-builder, etc. Carleton & Hovey. 38,198, re-renewed Apr. 29, 1952. O. G. Feb. 26.

Pharmaceutical preparation. Buffington's, Incorporated. 555,426, Feb. 26; Serial No. 611,888, published July 17, 1951.

Remedy for athlete's foot. J. G. Carr, Sr. 555,198, Feb. 26; Serial No. 555,916, published Nov. 6, 1951.

Tablets used as a biliary stimulant and antiseptic solvent of effete mucus. A. E. Mallard. 291,952, renewed Feb. 23, 1952. O. G. Feb. 26.

Therapeutic tablets. Excelsior Pharmaceutical Distributing Company, Inc. 555,396, Feb. 26; Serial No. 607,075, published July 17, 1951.

CLASS 20

Floor covering of the nature of linoleum, Hard surface. Sloane-Blabon Corporation. 555,313, Feb. 26; Serial No. 596,366, published Dec. 4, 1951.

Plastic finish, felt base floor covering. Mannington Mills, Incorporated. 555,444–5, Feb. 26; Serial Nos. 610,285–6, published Dec. 4, 1951.

CLASS 21

Capacity operated burglar and fire alarm systems, electronic burglar alarm systems, public address systems, etc. El-Tronics, Inc. 555,238, Feb. 26; Serial No. 572,895, published Nov. 27, 1951.

Electrical apparatus. The Lincoln Electric Company. 555,272, Feb. 26; Serial No. 587,197, published Dec. 11, 1951.

Electrical high frequency apparatus. Sperry Gyroscope Company, Inc. 444,660, Feb. 26; Serial No. 477,081, published Nov. 27, 1951.

Electrical motors. Western Clock Company. 290,590–2, renewed Jan. 12, 1952. O. G. Feb. 26.

Electrical motors. Western Clock Company. 290,594, renewed Jan. 12, 1952. O. G. Feb. 26.

Electrically operated vegetable peelers, Portable. Veg-A-Peel Co. 555,262, Feb. 26; Serial No. 582,366, published Nov. 27, 1951.

Floor machines, Electrical portable. Holt Manufacturing Company. 555,234, Feb. 26; Serial No. 570,203, published Nov. 20, 1951.

Lanterns, Portable electric hand. Richberry Electric Co. 555,397, Feb. 26; Serial No. 607,399, published Dec. 4, 1951.

Lighting fixture, Fluorescent. The Edwin F. Guth Company. 555,245, Feb. 26; Serial No. 576,055, published Nov. 7, 1950.

Luminaires, Electric lighting. McGraw Electric Company. 555,170, Feb. 26; Serial No. 520,286, published Nov. 27, 1951.

Photographic lamp holders, Portable. Powell Products, Inc. 555,348, Feb. 26; Serial No. 602,123, published Dec. 4, 1951.

Radio receiving sets, television receiving sets, electric fans, etc. C. A. Navlen. 555,370, Feb. 26; Serial No. 605,669, published Nov. 27, 1951.

Relays, solenoid valves, electric motor-driven furnace damper operators, etc. Penn Electric Switch Co. 555,220, Feb. 26; Serial No. 564,463, published Nov. 20, 1951.

Servomechanism devices and electrical devices. Servomechanisms, Inc. 555,291, Feb. 26; Serial No. 591,869, published Nov. 27, 1951.

Shellac coated papers for use as electrical insulation. Irvington Varnish & Insulator Company. 555,478, Feb. 26; Serial No. 613,712, published Dec. 4, 1951.

Storage batteries. C & D Batteries, Inc. 555,421, Feb. 26; Serial No. 611,558, published Nov. 27, 1951.

Television receivers, radio receivers, and audio amplifiers. The Radio Craftsmen, Inc. 555,479, Feb. 26; Serial No. 614,009, published Nov. 27, 1951.

Vehicle directional signalling devices. Signal-Stat Corporation. 555,350, Feb. 26; Serial No. 602,915, published Nov. 27, 1951.

Wire sound recording and reproducing apparatus and recording wire therefor. J. F. Bailey. 555,208, Feb. 26; Serial No. 560,750, published May 8, 1951.

CLASS 22

Board and card games. Rochester Enterprises, Inc. 555,177, Feb. 26; Serial No. 539,216, published Dec. 5, 1950.

Dolls. Jolly Toys, Inc. 555,349, Feb. 26; Serial No. 602,202, published Dec. 4, 1951.

Fishing tackle, tackle-holders, etc. C. H. Ellis & Co. 555,290, Feb. 26; Serial No. 591,409, published Dec. 4, 1951.

Game, Card. Owens Krass, Inc. 555,335, Feb. 26; Serial No. 600,134, published Dec. 4, 1951.

Game devices. America Solimene. 555,325, Feb. 26; Serial No. 599,128, published Dec. 4, 1951.

Protective covers—namely athletic equipment covers. Charles F. Clark, Incorporated. 555,323, Feb. 26; Serial No. 598,637, published Dec. 4, 1951.

Sleds. C. J. P. Kotchan. 555,527, Feb. 26; Serial No. 613,375.

Toy sewing kits and games. Harson Products Company. 555,258, Feb. 26; Serial No. 581,065, published Dec. 4, 1951.

Water color sets. United Crayon Co. Inc. 555,319, Feb. 26; Serial No. 597,793, published Dec. 4, 1951.

CLASS 23

Ball-bearings, Small anti-friction. Miniature Precision Bearings, Incorporated. 555,474, Feb. 26; Serial No. 613,230, published Dec. 11, 1951.

Bottle opener and bottle cap receiver, Combination. Harper J. Ransburg Co., Inc. 555,402, Feb. 26; Serial No. 608,082, published Nov. 27, 1951.

Engines, Internal combustion, agricultural tractors, planting machines, etc. Fiat Società per Azioni. 555,359, Feb. 26; Serial No. 604,692, published Nov. 20, 1951.

Gasoline and diesel locomotives. Brookville Locomotive Works. 555,452, Feb. 26; Serial No. 608,699, published Dec. 11, 1951.

Hammer drills, Automatically-rotating fluid-operated. Ingersoll-Rand Company. 555,413, Feb. 26; Serial No. 610,977, published Nov. 20, 1951.

Hammer drills with automatic steel-rotating mechanism, Air-feed. Ingersoll-Rand Company. 555,414, Feb. 26; Serial No. 610,978, published Dec. 11, 1951.

Hand opener. E. B. White. 555,353, Feb. 26; Serial No. 603,509, published Nov. 20, 1951.

Hedge clipper and lawn edger, Electrically operated. N. C. Norton. 555,352, Feb. 26; Serial No. 603,416, published Oct. 16, 1951.

Hydraulic power take-off unit. H-S Engine Company, Inc. 555,328, Feb. 26; Serial No. 599,511, published Oct. 16, 1951.

Knives, carving sets, and forks. Hamilton Trading Company, Inc. 555,336, Feb. 26; Serial No. 600,264, published Dec. 4, 1951.

Lawn sprayers and liquid fertilizers, Manually operated. H. D. Hudson Manufacturing Company. 555,347, Feb. 26; Serial No. 601,916, published Oct. 16, 1951.

Metal working machinery. The Aetna-Standard Engineering Company. 555,189, Feb. 26; Serial No. 552,625, published Dec. 4, 1951.

Mixing, kneading, and processing machinery, Automatic. The H. W. North Company. 555,191, Feb. 26; Serial No. 552,873, published Oct. 16, 1951.

Non-measuring pumps. The Kraissl Company, Inc. 555,273, Feb. 26; Serial No. 587,875, published Dec. 4, 1951.

Power driven saws, Portable. Machine-Craft Manufacturing Co. 444,661, Feb. 26; Serial No. 504,851, published Dec. 11, 1951.

Power transmission units, Complete. General Motors Corporation. 555,345, Feb. 26; Serial No. 601,784, published Nov. 27, 1951.

Pumps, Circulating, and motorized valves. Bell & Gossett Company. 555,376, Feb. 26; Serial No. 606,204, published Dec. 11, 1951.

Rail switches, switch stands, switch point locks, etc. American Brake Shoe Company. 555,341, Feb. 26; Serial No. 601,529, published Nov. 27, 1951.

Road graders; rollers; bulldozers; etc. Austin-Western Company. 555,213, Feb. 26; Serial No. 562,817, published Dec. 4, 1951.

Sewage pumping unit, Non-clogging. Chicago Pump Company. 555,201, Feb. 26; Serial No. 557,899, published Dec. 4, 1951.

Sprayers. Gulf Oil Corporation. 555,415, Feb. 26; Serial No. 611,090, published Nov. 20, 1951.

Structural and replacement parts for automotive and aviation vehicles. The Bowman Products Co. 555,216, Feb. 26; Serial No. 564,075, published Dec. 11, 1951.

Tank-like separator with necessary regulators, gauges, etc. The Parkersburg Rig & Reel Company. 555,275, Feb. 26; Serial No. 589,040, published Oct. 16, 1951.

Threading taps. Sossner Tap and Tool Corporation. 555,340, Feb. 26; Serial No. 601,283, published Nov. 6, 1951.

Tools. Chicago Specialty Manufacturing Co. 555,371, Feb. 26; Serial No. 605,844, published Oct. 16, 1951.

Tools, Tube expanding. The Victaulic Company Limited. 555,344, Feb. 26; Serial No. 601,765, published Nov. 6, 1951.

Transmissions, Change-speed. Cotta Transmission Company. 142,971, May 24, 1921. Republished Feb. 26.

Typewriting machines. International Business Machines Corporation. 555,295, Feb. 26; Serial No. 592,427, published July 3, 1951.

Waste disposal units. Given Manufacturing Company. 444,294, Oct. 31, 1950. Corrected. O. G. Feb. 26.

Wood scrapers, parts thereof, and scraper blades. W. Potter. 290,247, renewed Dec. 22, 1951. O. G. Feb. 26.

CLASS 25

Bag seals. G. G. Canter. 555,489, Feb. 26; Serial No. 617,435, published Dec. 11, 1951.

Locks, Door, steering post ignition locks, etc. Houdaille-Hershey Corporation. 555,225, Feb. 26; Serial No. 565,875, published Dec. 11, 1951.

CLASS 26

Apparatus for reproducing motion picture films and sounds, film editing machines. Photographic Electrical Company, Limited. 555,316, Feb. 26; Serial No. 596,676, published Dec. 4, 1951.

Apparatus for testing, analyzing, and calibrating diesel fuel pumps; etc. Automotive Products, Inc. 555,296, Feb. 26; Serial No. 593,042, published Feb. 27, 1951.

Automatic recording fare register. Ohmer Corporation. 555,459, Feb. 26; Serial No. 609,251, published Dec. 4, 1951.

Cameras. Ercona Camera Corporation. 555,299, Feb. 26; Serial No. 593,402, published Nov. 13, 1951.

Draft arm for dispensing beverage. Mechanical Research Ltd. 555,279, Feb. 26; Serial No. 589,667, published Dec. 4, 1951.

Electronic flash apparatus. American Speedlight Corporation. 555,212, Feb. 26; Serial No. 562,116, published Dec. 4, 1951.

Gauge. Universal Chemists, Inc. 555,440, Feb. 26; Serial No. 609,989, published Dec. 4, 1951.

Hydrometers. Elgin Softener Corporation. 288,806, renewed Nov. 3, 1951. O. G. Feb. 26.

Measuring instrument, Liquid. American Lacquer Solvents Company. 555,441, Feb. 26; Serial No. 610,042, published Dec. 4, 1951.

Radio instrument and automatic landing equipment for aircraft. Sperry Gyroscope Company, Inc. 555,169, Feb. 26; Serial No. 513,781, published Dec. 4, 1951.

Rules and extension rules. Oriole Rule Manufacturing Corp. 555,473, Feb. 26; Serial No. 613,107, published Dec. 4, 1951.

Scales, Automatic weighing, and weighing machines. J. E. R. Hasbrouck. 289,812, renewed Dec. 8, 1951. O. G. Feb. 26.

Series of motion picture animated cartoons. Terrytoons, Inc. 555,420, Feb. 26; Serial No. 611,383, published Dec. 4, 1951.

Temperature responsive electrical apparatus. Vapor Heating Corporation. 555,222, Feb. 26; Serial No. 565,092, published Dec. 4, 1951.

Thermistor and thermostatic cut-out controls. Fox Products Company. 555,312, Feb. 26; Serial No. 596,274, published Dec. 4, 1951.

Thermostatically controlled combined pilot and main burner gas valves, etc. Automatic Products Company. 555,253, Feb. 26; Serial No. 579,577, published Aug. 7, 1951. (Consolidated certificate, Classes 26 and 34.)

CLASS 27

Watch movements, cases, dials, etc. E. Homberger-Rauschenbach, vorm. International Watch Co. (Ernest Homberger-Rauschenbach, Ci-devant International Watch Co.). 289,926, Dec. 15, 1931. Republished Feb. 26.

CLASS 29

Toothbrushes. The Gardner Tooth Brush Co., Inc. 288,891, renewed Nov. 10, 1951. O. G. Feb. 26.

CLASS 30

All ceramic products. N. V. Kristal-, Glas- En Aardewerkfabrieken "de Sphinx" voorheen Petrus Regout & Co. 272,291, July 1, 1930. Republished Feb. 26.

CLASS 31

Base exchange water treatment apparatus. Automatic Pump & Softener Corporation. 443,747, Feb. 7, 1950. Republished Feb. 26.

CLASS 32

Beds and bunk beds, vanity chairs, night tables, etc. Superior Sleeprite Corporation. 555,200, Feb. 26; Serial No. 557,222, published Dec. 11, 1951.

Beds, Sofa, and studio couches. Massachusetts Mattress Company. 555,243, Feb. 26; Serial No. 574,848, published Dec. 11, 1951.

Chairs. Midwest Furniture Co. 555,418, Feb. 26; Serial No. 611,234, published Dec. 4, 1951.

Chairs. Murphy-Miller, Inc. 555,395, Feb. 26; Serial No. 607,035, published Dec. 11, 1951.

Chairs, Dining, lounge and occasional. The Hitchcock Chair Company. 555,506, Feb. 26; Serial No. 589,786.

Couches, Dual purpose sitting, sleeping type. Burton-Dixie Corporation. 555,333, Feb. 26; Serial No. 600,021, published Dec. 4, 1951.

Crib frames, Portable. A. Berkov. 555,239, Feb. 26; Serial No. 572,942, published Dec. 4, 1951.

Cushions, Sponge rubber. The Dayton Rubber Company. 555,211, Feb. 26; Serial No. 561,810, published Dec. 11, 1951.

Display devices. The Spool Cotton Company. 288,370, Oct. 27, 1931. Republished Feb. 26.

File boxes, Document, pamphlet, and sheet music. National Metal Edge Box Company. 555,285, Feb. 26; Serial No. 591,043, published Nov. 20, 1951.

Furniture, Articles of. Tomlinson of High Point. 555,190, Feb. 26; Serial No. 552,816, published Dec. 11, 1951.

Furniture, Bedroom. Modern Wood Products Company, Inc. 555,244, Feb. 26; Serial No. 575,772, published Oct. 31, 1950.

Furniture, Bedroom, living-room furniture, dining-room furniture, etc. Sachs Quality Stores, Inc. 555,276, Feb. 26; Serial No. 589,043, published Nov. 20, 1951.

Furniture, Living room, dining room, and bedroom. Barker Bros. Corporation. 555,240, Feb. 26; Serial No. 573,401, published Dec. 4, 1951.

Mattresses. The National-Rose Company. 555,205, Feb. 26; Serial No. 559,531, published Dec. 11, 1951.

Mattresses. Shifman Bros. 555,338, Feb. 26; Serial No. 600,917, published Dec. 4, 1951.

Mattresses and box springs. Massachusetts Mattress Company. 555,171–3, Feb. 26; Serial Nos. 523,909–11, published Dec. 11, 1951.

Mattresses and box springs. Massachusetts Mattress Company. 555,174, Feb. 26; Serial No. 524,069, published Dec. 11, 1951.

Multiple-image assemblies embodying a plurality of mirrors. J. D. Sweeney. 555,271, Feb. 26; Serial No. 586,570, published Nov. 6, 1951.

Pull or handle for manipulating window shades. Mrs. M. E. Webster. 555,337, Feb. 26; Serial No. 600,459, published Nov. 20, 1951.

Sofa-beds. Kay Manufacturing Corporation. 555,458, Feb. 26; Serial No. 609,244, published Nov. 20, 1951.

Sofas, chairs, benches, etc. The Nahon Company. 555,329, Feb. 26; Serial No. 599,839, published Dec. 4, 1951.

Surgical, industrial and specialty products fabricated from foam rubber—namely, foam rubber pillows. Toyad Corporation. 555,454, Feb. 26; Serial No. 608,799, published Dec. 11, 1951.

Venetian blinds. Darol Company. 555,242, Feb. 26; Serial No. 574,415, published Nov. 20, 1951.

Venetian blinds. Wood Products Manufacturing Co. 555,365–6, Feb. 26; Serial Nos. 605,128–9, published Dec. 4, 1951.

Wall chests, Medicine. Kiddie Kabinette, Inc. 555,322, Feb. 26; Serial No. 598,587, published Nov. 20, 1951.

Window shades. Davison's Northwest Shade & Linoleum Service Inc. 555,214, Feb. 26; Serial No. 563,910, published Dec. 11, 1951.

CLASS 34

Heating systems, Automatically electrically controlled and operated fuel. Williams Oil-O-Matic Heating Corporation. 290,863, Jan. 19, 1932. Republished Feb. 26.

Pilot and main burner gas valves, Manually operated combined. Automatic Products Company. 555,253, Feb. 26; Serial No. 597,562, published May 29, 1951. (Consolidated certificate, Classes 26 and 34.)

Stokers, Coal-burning, and parts therefor and transmissions for stokers. Cotta Transmission Corporation. 283,902, June 9, 1931. Republished Feb. 26.

Ventilating panels. Van Zile Ventilating Corporation. 291,760, renewed Feb. 23, 1952. O. G. Feb. 26.

CLASS 35

Brake linings and brake blocks. Raybestos-Manhattan, Inc. 555,466, Feb. 26; Serial No. 612,086, published Nov. 27, 1951.

CLASS 37

Paper, Bleached kraft. Nekoosa-Edwards Paper Company. 286,911, Sept. 8, 1931. Republished Feb. 26.

Paper, Packing and liner. Straubel Paper Company. 555,519, Feb. 26; Serial No. 606,575.

Pencils, Drawing wood encased lead. A. W. Faber-Castell Pencil Co., Inc. 555,521, Feb. 26; Serial No. 610,494.

CLASS 38

Journal, Trade. Banker Publishing Co., Inc. 555,524, Feb. 26; Serial No. 612,526.

Magazine. Watt Publishing Co. 555,516, Feb. 26; Serial No. 603,562.

Magazine, Monthly. Armed Services Digest Publishers Corp. 555,523, Feb. 26; Serial No. 611,878.

Magazine, Periodical. Art Material Trade News. 555,507, Feb. 26; Serial No. 590, 876.

Newspaper section. Fairchild Publications, Inc. 555,522, Feb. 26; Serial No. 611,222.

Publication. McGraw-Hill Book Company, Inc. 555,517, Feb. 26; Serial No. 604,732.

CLASS 39

Belts. Hickok Manufacturing Co. Inc. 555,417, Feb. 26; Serial No. 611,225, published Nov. 27, 1951.

Cape, Protective plastic rain. E. E. Snow. 444,662, Feb. 26; Serial No. 516,872, published Nov. 27, 1951.

Clothes, Work and sport. Seg-Mar, Inc. 555,428, Feb. 26; Serial No. 610,526, published Nov. 27, 1951.

Clothing, Articles of. Bourne & Holingsworth Limited. 555,308, Feb. 26; Serial No. 595,651, published Nov. 20, 1951.

Clothing, Men's and boys'. Washington Manufacturing Company. 555,419, Feb. 26; Serial No. 611,319, published Nov. 27, 1951.

Clothing, Sports. Kelley-How-Thomson Co. 555,179, Feb. 26; Serial No. 544,740, published Nov. 27, 1951.

Coats and sport jackets, etc., ladies' and men's, Ladies', men's and children's sweaters. A. Bernhard. 555,326, Feb. 26; Serial No. 599,301, published Nov. 6, 1951.

Coats, vests, trousers, etc., Men's and young men's. Goodman & Suss Clothes Corporation. 555,218, Feb. 26; Serial No. 548,728, published Nov. 27, 1951.

Coats, Women's and misses' fur. Spear & Picardi. 555,339, Feb. 26; Serial No. 601,079, published Nov. 20, 1951.
Collars. Brooks Brothers. 555,373, Feb. 26; Serial No. 605,988, published Nov. 20, 1951.
Dresses, blouses, peasant costumes, etc., Women's. I. N. Donnin. 555,260, Feb. 26; Serial No. 581,587, published Feb. 21, 1950.
Dungarees, shirts and jackets, Western style. Blue Bell, Inc. 555,446, Feb. 26; Serial No. 610,358, published Nov. 27, 1951.
Footwear, rubbers and hosiery. Gallenkamp Stores Co. 290,495, renewed Jan. 5, 1952. O. G. Feb. 26.
Garments. Taylor's of California. 555,207, Feb. 26; Serial No. 560,731, published Nov. 20, 1951.
Garments, Baby's sleeping. W. J. Munro. 555,327, Feb. 26; Serial No. 599,447, published Nov. 20, 1951.
Garments, Sleeping, and women's and children's knitted underwear. Marshall Field & Company. 288,778, renewed Nov. 3, 1951. O. G. Feb. 26.
Girdles, panties and foundation garments. Biflex Foundations, Inc. 555,185, Feb. 26; Serial No. 548,475, published Dec. 11, 1951.
Gloves, Work. Tennessee Glove Company. 555,346, Feb. 26; Serial No. 601,868, published Apr. 10, 1951.
Hats, Ladies'. Harry Camp Millinery Company. 555,409, Feb. 26; Serial No. 608,491, published Nov. 27, 1951.
Hats, Men's. Adam Hat Stores, Inc. 286,774, renewed Sept. 1, 1951. O. G. Feb. 26.
Hats, Men's. The Frank H. Lee Company. 555,246, Feb. 26; Serial No. 576,342, published Oct. 23, 1951.
Hats, Women's. Greenberg Shaps Corporation. 555,460, Feb. 26; Serial No. 609,296, published Nov. 27, 1951.
Hosiery. Gotham Silk Hosiery Company, Inc. 287,799, Oct. 13, 1931. Republished Feb. 26.
Hosiery, Ladies'. Lambert Hosiery Mills, Inc. 555,278, Feb. 26; Serial No. 589,661, published Nov. 20, 1951.
Hosiery, Men's and women's. Bettersox Knitting Mills. 555,178, Feb. 26; Serial No. 542,515, published Nov. 27, 1951.
Jackets and slacks, Men's. B. Siegfried & Sons, Inc. 555,432, Feb. 26; Serial No. 610,803, published Nov. 27, 1951.
Muffs, Ear. F. A. Fuller. 555,411, Feb. 26; Serial No. 608,601, published Nov. 20, 1951.
Neckties for men and scarfs for women, girls, and boys. Arthur Murray Enterprises, Inc. 555,378, Feb. 26; Serial No. 606,563, published Oct. 23, 1951.
Negligees, nightgowns, evening gowns, etc. Parfums Evyan Inc. 555,331, Feb. 26; Serial No. 599,968, published Dec. 11, 1951.
Nightgowns, pajamas, lounging gowns, etc., Women's. Elysee Lingerie Corporation. 555,192, Feb. 26; Serial No. 552,961, published Dec. 11, 1951.
Outer garments, Men's. M. Wile & Company, Inc. 555,430, Feb. 26; Serial No. 610,652, published Nov. 20, 1951.
Outer shirts, collars, and cuffs, Men's and boys'. Piedmont Shirt Company. 555,357, Feb. 26; Serial No. 604,385, published Nov. 27, 1951.
Outer shirts, collars, and cuffs, Men's and boys'. Piedmont Shirt Company. 555,412, Feb. 26; Serial No. 608,671, published Nov. 20, 1951.
Outer shirts, collars, and cuffs, Men's and boys'. Piedmont Shirt Company. 555,450–1, Feb. 26; Serial Nos. 608,673–4, published Nov. 20, 1951.
Outer shirts, collars, and cuffs, Men's and boys'. Piedmont Shirt Company. 555,464, Feb. 26; Serial No. 608,675, published Nov. 27, 1951.
Outer shirts, Men's and boys'. The Rauh Company. 555,400, Feb. 26; Serial No. 607,868, published Nov. 27, 1951.
Outer shirts, Men's and boys'. Henry I. Siegel Co. Inc. 555,369, Feb. 26; Serial No. 605,535, published Nov. 20, 1951.
Outerwear. Carwood Manufacturing Company. 555,499, Feb. 26; Serial No. 564,552.
Overcoats, topcoats, suits, etc., Men's and boys'. M. Wile & Company, Inc. 555,427, Feb. 26; Serial No. 611,986, published Nov. 27, 1951.
Over garments, Infants' or children's. Tidy Products Company. 555,438, Feb. 26; Serial No. 609,705, published Nov. 20, 1951.
Pants, Work, work shirts, and one-piece work suits. Pool Manufacturing Company. 555,303, Feb. 26; Serial No. 594,332, published Dec. 11, 1951.
Raincoats, topcoats, and overcoats, Women's and misses', boys', youths', and men's. S. Weltz & Co., Inc. 555,435–6, Feb. 26; Serial Nos. 610,940–1, published Nov. 27, 1951.
Sashes, neckties, and bandeaux. B. Burton. 555,403, Feb. 26; Serial No. 608,098, published Nov. 20, 1951.
Scarves, dressing-gowns, neckties, etc. G. Ravasi. 555,514, Feb. 26; Serial No. 600,618.
Shirts, Polo, creepers, cardigans, etc. Darlynn Knitwear Corporation. 555,209, Feb. 26; Serial No. 561,616, published Nov. 20, 1951.
Shirts, Sport. Publix Shirt Corporation. 555,463, Feb. 26; Serial No. 609,603, published Nov. 20, 1951.
Shirts, Sport. Truval Manufacturers, Inc. 555,358, Feb. 26; Serial No. 604,404, published Sept. 18, 1951.
Shoes. Delman, Inc. 555,496, Feb. 26; Serial No. 486,518.
Shoes. Gallenkamp Stores Co. 289,642, renewed Dec. 1, 1951. O. G. Feb. 26.
Shoes. Albert H. Weinbrenner Co. 555,232, Feb. 26; Serial No. 569,113, published Nov. 27, 1951.
Slips, Ladies'. The Barbizon Corporation. 555,223, Feb. 26; Serial No. 565,407, published Apr. 4, 1950.
Slips, Ladies' and children's. I. Schneierson & Sons, Inc. 555,204, Feb. 26; Serial No. 558,940, published Dec. 11, 1951.
Socks. Wilmington Hosiery Mills, Inc. 541,162, Apr. 17, 1951. Amended. O. G. Feb. 26.
Sport and dress shirts and pajamas, Boys' and youths'. The Marlan Company. 555,182, Feb. 26; Serial No. 545,501, published Nov. 27, 1951.
Sport shirts and sport jackets, Men's and women's. L. W. Foster Sportswear Co., Inc. 555,181, Feb. 26; Serial No. 545,245, published Nov. 27, 1951.
Sportswear, Men's and boys'. Joseph Horowitz & Sons, Inc. 555,437, Feb. 26; Serial No. 610,971, published Nov. 27, 1951.
Suits, coats, trousers, sport coats, etc., Men's and young men's and boys'. Schloss Bros. & Co. Inc. 555,184, Feb. 26; Serial No. 547,391, published Nov. 27, 1951.
Suits, coats, vests, etc., Men's and young men's. House of Worsted-Tex, Inc. 555,377, Feb. 26; Serial No. 606,298, published Oct. 23, 1951.
Suits, Men's. Society Brand Clothes, Inc. 555,267, Feb. 26; Serial No. 585,083, published Nov. 27, 1951.
Suits of clothes, Men's and boys'. A-1 Manufacturing Co. 555,364, Feb. 26; Serial No. 605,004, published Nov. 27, 1951.
Suits, overcoats, topcoats, etc., Men's and boys'. The H. A. Seinsheimer Company. 555,442, Feb. 26; Serial No. 610,101, published Nov. 20, 1951.
Suits, overcoats, topcoats, etc., Men's and boys'. The H. A. Seinsheimer Company. 555,443, Feb. 26; Serial No. 610,102, published Nov. 27, 1951.
Suits, top coats, sport coats, etc., Men's. Harry Rothman, Inc. 555,401, Feb. 26; Serial No. 608,019, published Nov. 20, 1951.
Tub-dresses, Ladies'. Henry A. Dix & Sons Company. 86,287, re-renewed Apr. 30, 1952. O. G. Feb. 26.
Underwear. E. O. Farnsworth. 85,338, re-renewed Feb. 13, 1952. O. G. Feb. 26.
Underwear, Men's, women's, and children's. Walter W. Moyer Company. 555,360, Feb. 26; Serial No. 604,791, published Nov. 20, 1951.
Underwear, Men's, women's, and children's. Walter W. Moyer Company. 555,361, Feb. 26; Serial No. 604,795, published Nov. 20, 1951.

CLASS 40

Buttons. B. Schwanda & Sons. 555,250, Feb. 26; Serial No. 577,910, published Dec. 11, 1951.
Comb, Ball point tooth. Call Bond & Mortgage Company. 555,393, Feb. 26; Serial No. 606,969, published Dec. 11, 1951.
Hair curlers. Tip-Top Products Company. 555,375, Feb. 26; Serial No. 606,091, published Dec. 11, 1951.
Hair-retaining devices. Brooklyn Mills, Inc. 555,199, Feb. 26; Serial No. 556,173, published Dec. 11, 1951.
Shoe laces. Handleman Drug Company. 555,512, Feb. 26; Serial No. 599,169.
Tape, Hook and eye. Waldes Koh-I-Noor, Inc. 289,822, renewed Dec. 8, 1951. O. G. Feb. 26.

CLASS 42

Bath mats and rugs, Textile. Quaker Maid Mills, Inc. 555,501, Feb. 26; Serial No. 572,767.
Blankets, Knitted baby. The H. E. Frisch Knitting Mills Co. 555,520, Feb. 26; Serial No. 607,988.
Cotton textile products. E. T. Barwick. 555,518, Feb. 26; Serial No. 606,201.
Cotton textile products. E. T. Barwick. 555,526, Feb. 26; Serial No. 613,042.
Draperies. M. G. Williams. 555,305, Feb. 26; Serial No. 594,677, published Dec. 4, 1951.
Fabrics, Furnishing. The Pile Fabric Manufacturing Company (Bradford), Limited. 289,439, renewed Nov. 24, 1951. O. G. Feb. 26.
Fabrics, Textile. D. B. Fuller & Co., Inc. 555,528, Feb. 26; Serial No. 613,771.
Fabrics, Textile. Howlett & Hockmeyer Co. Inc. 288,981, Nov. 10, 1931. Republished Feb. 26.
Fabrics, Textile. Tanbro Fabrics Corp. 555,484–7, Feb. 26; Serial Nos. 615,256–9, published Dec. 4, 1951.
Goods in the piece, Cotton. Cone Export and Commission Company. 291,017, Jan. 26, 1932. Republished Feb. 26.
Piece goods. Exeter Manufacturing Company. 555,525, Feb. 26; Serial No. 612,967.
Piece goods, Cotton. Dan River Mills, Incorporated. 555,483, Feb. 26; Serial No. 615,164, published Dec. 4, 1951.
Piece goods, Cotton. Albert H. Vandam Co., Inc. 287,841, Oct. 13, 1931. Republished Feb. 26.
Piece goods, Cotton and linen. Trippe, Barker & Co. 86,179, re-renewed Apr. 16, 1952. O. G. Feb. 26.
Piece goods, Rayon. Tabin-Picker & Co. 555,488, Feb. 26; Serial No. 615,951, published Dec. 11, 1951.
Piece goods, Woolen. Madison Woolen Company. 288,984, renewed Nov. 10, 1951. O. G. Feb. 26.

Rugs, Textile. Samarkand Mills, Inc. 555,500, Feb. 26; Serial No. 570,123.
Sheets, pillow cases and blankets. The Stewart Dry Goods Company. 555,391, Feb. 26; Serial No. 606,908, published Dec. 4, 1951.
Tablecloths and napkins. Ellison & Spring, Inc. 555,407, Feb. 26; Serial No. 608,451, published Dec. 4, 1951.
Towels, Turkish, wash cloths and bath mats. Mooresville Mills, Inc. 555,356, Feb. 26; Serial No. 604,016, published Dec. 4, 1951.
Worsted suitings. Samuel Hird & Sons, Inc. 555,457, Feb. 26; Serial No. 609,240, published Dec. 4, 1951.

CLASS 43

Threads and yarns. J. & P Coats (R. I.) Inc. 290,958, Jan. 19, 1932. Republished Feb. 26.
Yarn, Rayon. American Enka Corporation. 291,338, renewed Feb. 9, 1952. O. G. Feb. 26.
Yarns, Nylon. Pandora Knitwear, Inc. 555,241, Feb. 26; Serial No. 573,786, published Sept. 19, 1950.

CLASS 44

Artificial teeth. Myerson Tooth Corporation. 555,456, Feb. 26; Serial No. 608,996, published Nov. 13, 1951.
Cuffs, a component of a sphygmomanometer (blood-pressure apparatus). W. A. Baum Co., Inc. 555,266, Feb. 26; Serial No. 584,959, published Nov. 6, 1951.
Dental investment, dental stone, and dental plaster. Falls City Dental Specialty Co., Inc. 211,466, Apr. 13, 1926. Republished Feb. 26.
Dental investment, dental stone, and dental plaster. Falls City Dental Specialty Co. Inc. 221,621, Dec. 7, 1926. Republished Feb. 26.
Gauze bandage and adhesive plaster. The Kendall Company. 289,908, Dec. 15, 1931. Republished Feb. 26.
Hairwaving apparatus. J. Leclabart. 555,264, Feb. 26; Serial No. 582,919, published Nov. 13, 1951.
Hernia belts. C. C. Hartwig. 555,513, Feb. 26; Serial No. 600,433.
Nursing bottle holders. Fashioncraft Products. 555,453, Feb. 26; Serial No. 608,790, published Nov. 13, 1951.
Respirator and mask attachments. Willson Products, Inc. 290,480, renewed Jan. 5, 1952. O. G. Feb. 26.
Retractors for withdrawing loose skin from off the face. Admar Laboratories International, Inc. 555,406, Feb. 26; Serial No. 608,295, published Nov. 13, 1951.
Ultraviolet lamps for therapeutic purposes. Hanovia Chemical and Manufacturing Company. 555,394, Feb. 26; Serial No. 607,018, published Nov. 13, 1951.

CLASS 45

Lemonades, mineral and aerated water, cocoa- and cola-flavored maltless soft drinks. N. V. Vereenigde Limonadefabrieken. 555,255, Feb. 26; Serial No. 580,736, published Oct. 16, 1951.
Non-alcoholic, maltless powder. Marshak Maltmolak Co. Inc. 293,158, renewed Apr. 12, 1952. O. G. Feb. 26.
Nonalcoholic maltless powder. Marshak Maltmolak Co. Inc. 293,174, renewed Apr. 12, 1952. O. G. Feb. 26.

CLASS 46

Apples, Fresh. C. H. Nielsen. 555,408, Feb. 26; Serial No. 608,466, published Nov. 27, 1951.
Bakery products. A. U. Terrabusi. 268,630, renewed Mar. 18, 1950. O. G. Feb. 26.
Candies, Hard, toffies and caramels. E. J. Brach & Sons. 555,315, Feb. 26; Serial No. 596,555, published Dec. 11, 1951.
Candy. Bayou Candy Co., Inc. 555,286–7, Feb. 26; Serial Nos. 591,066–7, published Dec. 11, 1951.
Candy. Candy-Lane, Inc. 555,301, Feb. 26; Serial No. 594,021, published Nov. 6, 1951.
Candy. Melba Sweets Co. 555,502, Feb. 26; Serial No. 578,398.
Candy. Page & Shaw, Inc. 293,344, renewed Apr. 19, 1952. O. G. Feb. 26.
Candy. Rose's 5, 10, 25c Stores, Inc. 555,289, Feb. 26; Serial No. 591,107, published Nov. 6, 1951.
Canned and bottled comestibles. C. Rogers. 555,228, Feb. 26; Serial No. 566,049, published Dec. 11, 1951.
Canned and bottled foods. R. H. Macy & Co., Inc. 555,282, Feb. 26; Serial No. 590,554, published Nov. 13, 1951.
Canned corn. Northland Canning Company. 555,529, Feb. 26; Serial No. 614,212.
Canned fish. Haas, Baruch & Co. 555,248, Feb. 26; Serial No. 577,325, published Nov. 27, 1951.
Canned olives. Mawer-Gulden-Annis, Inc. 555,481, Feb. 26; Serial No. 614,155, published Dec. 11, 1951.
Canned oysters, canned fruits, and canned vegetables. Torsch Packing Company. 84,553, re-renewed Dec. 19, 1951. O. G. Feb. 26.
Canned potatoes. Minnesota Consolidated Canneries, Inc. 555,508, Feb. 26; Serial No. 595,269.
Canned salmon. Ideal Smoked Fish Corp. 204,067, Oct. 6, 1925. Republished Feb. 26, 1952.
Canned vegetables. Stone-Ordean-Wells Co. 36,833, July 30, 1901. Republished Feb. 26.
Canned vegetables, canned fruits, canned fish, canned juices. Parkview Markets, Inc. 555,314, Feb. 26; Serial No. 596,376, published Dec. 11, 1951.
Cheese. Brantford Produce Company Limited. 555,283, Feb. 26; Serial No. 590,881, published Dec. 4, 1951.
Chewing gum. American Chewing Products Corp. 555,180, Feb. 26; Serial No. 545,213, published July 12, 1949.
Dried solubles. National Distillers Products Corporation. 555,355, Feb. 26; Serial No. 603,807, published Dec. 11, 1951.
Eggs, Dehydrated whole, dehydrated egg yolk, and dehydrated egg albumen. Joe Lowe Co. Inc. 291,072, Jan. 26, 1932. Republished Feb. 26.
Feed, Horse, poultry scratch grains, and poultry egg mash. Allied Mills, Inc. 555,235, Feb. 26; Serial No. 571,390, published Dec. 4, 1951.
Feeds, Animal. Cherokee Mills, Inc. 555,354, Feb. 26; Serial No. 603,666, published Dec. 4, 1951.
Feeds, Mixed. Sherwood Feed Mills, Inc. 555,503, Feb. 26; Serial No. 579,837.
Feeds, Poultry and stock. The Quaker Oats Company. 234,131, Oct. 18, 1927. Republished Feb. 26.
Feeds, Stock and poultry. Flour Mills of America, Inc. 555,193, Feb. 26; Serial No. 553,607, published Nov. 13, 1951.
Flavoring for foods. R. Fay. 555,351, Feb. 26; Serial No. 603,151, published Nov. 13, 1951.
Flour, Wheat. General Mills, Inc. 555,302, Feb. 26; Serial No. 594,216, published Nov. 13, 1951.
Flour, Wheat. The Quaker Oats Company. 555,249, Feb. 26; Serial No. 577,685, published Nov. 27, 1951.
Flour, wheat. Standard Milling Company. 555,175, Feb. 26; Serial No. 529,499, published Dec. 4, 1951.
Food, Dog. Household Products Company. 555,288, Feb. 26; Serial No. 591,085, published Dec. 4, 1951.
Food product. E. M. Morrow. 555,293, Feb. 26; Serial No. 592,091, published Dec. 11, 1951.
Food products. Hershel California Fruit Products Co. 555,226, Feb. 26; Serial No. 565,929, published Dec. 11, 1951.
Food products. Scudder Food Products, Inc. 555,274, Feb. 26; Serial No. 588,712, published Oct. 30, 1951.
Fruit essences. N. V. Polak & Schwarz's Essencefabrieken. 555,256, Feb. 26; Serial No. 581,004, published Nov. 13, 1951.
Fruit essences. N. V. Polak & Schwarz's Essencefabrieken. 555,257, Feb. 26; Serial No. 581,006, published Nov. 13, 1951.
Fruits, Fresh. Lyons-Magnus, Incorporated. 550,365, Nov. 6, 1951. Corrected. O. G. Feb. 26.
Fruits, Fresh citrus. Fillmore Citrus Fruit Association. 218,072, Sept. 21, 1926. Republished Feb. 26.
Fruits, Fresh citrus. San Dimas Orange Growers Association. 555,504, Feb. 26; Serial No. 583,819.
Gelatin dessert. Bol Manufacturing Company. 555,468, Feb. 26; Serial No. 612,238, published Nov. 20, 1951.
Grapes, Fresh. Pinkham Properties. 555,195, Feb. 26, Serial No. 555,075, published Nov. 27, 1951.
Hams, Smoked and cooked, smoked picnics, link sausage, etc. The Smithfield Packing Company, Inc. 555,202, Feb. 26; Serial No. 558,420, published Dec. 4, 1951.
Ice cream. G. P. Gundlach & Co., Inc. 555,510, Feb. 26; Serial No. 597,608.
Meatless spaghetti sauce. J. Canella. 555,294, Feb. 26; Serial No. 592,419, published Nov. 27, 1951.
Milk, cream, butter, and eggs. Henry Becker & Son, Inc. 293,244, renewed Apr. 19, 1952. O. G. Feb. 26.
Mustard. Bahamian Mustard Co., Inc. 555,392, Feb. 26; Serial No. 606,931, published Nov. 13, 1951.
Pork roll. The Taylor Provisions Company. 555,372, Feb. 26; Serial No. 605,881, published Nov. 13, 1951.
Potatoes, Shoe string. A. J. Poole. 555,196, Feb. 26; Serial No. 555,626, published Nov. 20, 1951.
Preparation consisting of dehydrated egg albumen and egg yolk. Tenderet Sales Company. 555,187, Feb. 26; Serial No. 550,860, published Dec. 11, 1951.
Relish. C. I. Holifield. 555,509, Feb. 26; Serial No. 596,493.
Rice. Texla Rice, Inc. 555,480, Feb. 26; Serial No. 614,020, published Dec. 11, 1951.
Salad oil, Cottonseed. Tama Trading Company, Inc. 555,217, Feb. 26; Serial No. 564,358, published Nov. 13, 1951.
Soups. The Franco-American Food Company. 84,312, re-renewed Nov. 28, 1951. O. G. Feb. 26.
Spices, mince meat, rice, etc. Chas. W. Bauermeister Co. 84,810, re-renewed Jan. 9, 1952. O. G. Feb. 26.
Tamales, Uncanned and canned products. C. C. Crawford. 218,877, Oct. 5, 1926. Published Feb. 26.
Tea. Araban Coffee Co., Inc. 293,343, renewed Apr. 19, 1952. O. G. Feb. 26.
Vegetables, Fresh. Stanley Fruit Company. 555,475, Feb. 26; Serial No. 613,349, published Dec. 4, 1951.

CLASS 51

Face cream. R. Hudnut. 555,330, Feb. 26; Serial No. 599,874, published Nov. 6, 1951.
Hair tinting and coloring preparations. Clairol Incorporated. 555,310, Feb. 26; Serial No. 595,760, published Nov. 6, 1951.
Hair tonic. N. V. Taylor. 555,321, Feb. 26; Serial No. 598,441, published Nov. 6, 1951.
Hair waving solutions, Cold. Helene Curtis Industries, Inc. 555,268, Feb. 26; Serial No. 585,486, published Nov. 13, 1951.

Lipstick, face powder, solid cologne, etc. Consolidated Cosmetics. 555,284, Feb. 26; Serial No. 591,019, published Nov. 6, 1951.
Lotions, Body. Volay of Paris Company. 555,251, Feb. 26; Serial No. 578,178, published Nov. 6, 1951.
Perfume. Caron Corporation. 555,498, Feb. 26; Serial No. 563,904.
Perfumes. Lucien Lelong, Inc. 555,263, Feb. 26; Serial No. 582,533, published Nov. 6, 1951.
Scalp and hair conditioner. P. C. Varney. 555,416, Feb. 26; Serial No. 611,207, published Nov. 6, 1951.
Skin cream and lotion. T. F. Hogan. 555,254, Feb. 26; Serial No. 579,597, published Nov. 6, 1951.
Tooth powder. L. A. Neil. 292,988, renewed Apr. 5, 1952. O. G. Feb. 26.

CLASS 52

Cleaner. David E. Kennedy, Inc. 426,826, Jan. 14, 1947. Republished Feb. 26.
Cleaning powder. The Hygienic Products Company. 555,404–5, Feb. 26; Serial Nos. 608,249–50, published Nov. 13, 1951.
Detergent. Nopco Chemical Company. 555,270, Feb. 26; Serial No. 585,677, published Nov. 27, 1951.
Detergent, Dry. Fels and Company. 555,461, Feb. 26; Serial No. 609,360, published Nov. 27, 1951.
Detergent, Dry cleaning. Murphy Sales Company 555,368, Feb. 26; Serial No. 605,524, published Nov 27, 1951.
Detergents. Finger Lakes Chemical Company, Inc 555,252, Feb. 26; Serial No. 579,492, published Nov. 27, 1951.
Liquid ink eradicator. The Carter's Ink Company. 292,990, renewed Apr. 5, 1952. O. G. Feb. 26.
Shampoo powder. Colgate-Palmolive-Peet Company. 291,456, renewed Feb. 9, 1952. O. G. Feb. 26.
Soap. Lucky Strike Perfumeries Corporation. 555,317, Feb. 26; Serial No. 597,449, published Dec. 4, 1951.
Soap. E. A. Welters. 289,104, renewed Nov. 17, 1951 O. G. Feb. 26.
Soap and synthetic organic detergent Fels & Company. 555,292, Feb. 26; Serial No. 591,921, published Nov. 13, 1951.
Soap, Germicidal. The Selig Company, Inc. 555,515, Feb. 26; Serial No. 603,256.
Soap product, Jelly type. Jewel Tea Co., Inc. 555,297, Feb. 26; Serial No. 593,121, published Nov. 27, 1951.
Soap, Toilet. Colgate-Palmolive-Peet Company 555,433–4, Feb. 26; Serial Nos. 610,891–2, published Nov. 13, 1951.
Soaps and organic detergents. Fels & Company. 555,300, Feb. 26; Serial No. 593,405, published Nov. 13, 1951.

CLASS 100

Engineering service. S K F Industries, Inc. 555,490, Feb. 26; Serial No. 559,862, published Dec. 4, 1951.
Establishment and maintenance of membership in a national collegiate fraternity. Alpha Chi Rho Fraternity. 555,495, Feb. 26; Serial No. 603,830, published Dec. 4, 1951.

CLASS 101

Services rendered to automobile parts dealers. L. E. Killmer. 555,493, Feb. 26; Serial No. 573,724, published Dec. 11, 1951.

CLASS 102

Underwriting of insurance. Selected Risks Indemnity Company. 555,492, Feb. 26; Serial No. 569,482, published Dec. 11, 1951.

CLASS 103

Fur garment cleaning and lusterizing service. Cownie Furs. 555,530, Feb. 26; Serial No. 581,325.

CLASS 106

Application of permanent type water-repellent finishes to nylon, etc. Fair Lawn Finishing Company. 555,491, Feb. 26; Serial No. 561,815, published Dec. 11, 1951.
Bookbinding. Publishers Book Bindery, Inc. 555,531, Feb. 26; Serial No. 587,208.

CLASS 107

Entertainment service. M. Sheeler. 555,494, Feb. 26; Serial No. 602,223, published Dec. 4, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF FEBRUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Consolidated Engineering Corporation, assignee: *See*—
Washburn, Harold W.
Hydrocarbon Research, Inc., assignee: *See*—
Jenny, Frank J., and Scheibel.
Jenny, Frank J., New York, N. Y., and E. G. Scheibel, Montclair, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y. Producing oxygen. Re. 23,463, Feb. 26.
Scheibel, Edward G.: *See*—
Jenny, Frank J., and Scheibel.
Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. Re. 23,464, Feb. 26.

LIST OF PLANT PATENTEES

Armstrong Nurseries, Inc., assignee: *See*—
Dering, Eldon P.
Dering, Eldon P., Scappoose, Oreg., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,076, Feb. 26.

LIST OF DESIGN PATENTEES

American Optical Company, assignee: *See*—
Curry, Jerrold W.
Andrews, Nickolas P., Chicago, Ill., assignor to Sinko Mfg. & Tool Co. Combination coin and cigarette holder. 166,015, Feb. 26.
Auzin, John M., Whitman, Mass. Toy figure. 166,016, Feb. 26.
Barq, Ella M., assignor to Barq's Inc., Biloxi, Miss. Bottle. 166,017, Feb. 26.
Barq's Inc., assignee: *See*—
Barq, Ella M.
Bassett, E. R., Corp., assignee: *See*—
Douglas, Mary S.
Birkestol, Harold K., Arlington, Wash. Necktie. 166,018, Feb. 26.
Birkestol, Harold K., Arlington, Wash. Necktie. 166,019, Feb. 26.
Birkestol, Harold K., Arlington, Wash. Necktie. 166,020, Feb. 26.
Birkestol, Harold K., Arlington, Wash. Necktie. 166,021, Feb. 26.
Bliss, Charles O., Los Angeles, Calif. Gravy boat. 166,022, Feb. 26.
Bogema, Richard E., assignor to The Grav-I-Flo Corporation, Sturgis, Mich. Tumbling machine. 166,023, Feb. 26.
Braun, Walter, assignor to Cobblers Incorporated, Los Angeles, Calif. Shoe or similar article. 166,024, Feb. 26.
Braun, Walter, assignor to Cobblers Incorporated, Los Angeles, Calif. Sandal or similar article. 166,025, Feb. 26.
Bruce, Leo I., Framingham Center, Mass., assignor to General Electric Company. Clockcase. 166,026, Feb. 26.
Canal National Bank of Portland, The, trustee, assignee: *See*—
Despres, Urban H.
Cobblers Incorporated, assignee: *See*—
Braun, Walter.
Curry, Jerrold W., Thompson, Conn., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 166,027, Feb. 26.
Despres, Urban H., Clinton, assignor, by mesne assignments, to The Canal National Bank of Portland and W. B. Nulty, Portland, Maine, as trustees. Plate. 166,028, Feb. 26.
Dieterich, Richard E., Long Beach, Ind. Roof mounting bracket for automobile visors. 166,029, Feb. 26.
Dochterman, Richard W., Fort Wayne, Ind., assignor to General Electric Company. Electric motor. 166,030, Feb. 26.
Douglas, Mary S., Barrington, R. I., assignor to E. R. Bassett Corp. Christmas tree ornament or the like. 166,031, Feb. 26.
Du Fault, Homer D., Easthampton, assignor to Heatbath Appliances, Inc., Springfield, Mass. Gas burner. 166,032, Feb. 26.
Flood, Bernard J., Elkhart, Ind., and C. D. Welshenbach, Sandusky, Ohio, assignors to H. & A. Selmer, Inc., Elkhart, Ind. Music stand or similar article. 166,033, Feb. 26.
General Electric Company, assignee: *See*—
Bruce, Leo I.
Dochterman, Richard W.
Goshen Manufacturing Company, assignee: *See*—
Rink, Robert M.
Grav-I-Flo Corporation, assignee: *See*—
Bogema, Richard E.
Gray, George W., assignor to McMath-Axilrod Corporation, Dallas, Tex. Lighting fixture for signs. 166,034, Feb. 26.
Hamilton, Bertis F., Columbus, Ind. Child's rocking chair. 166,035, Feb. 26.
Hazel-Atlas Glass Company, assignee: *See*—
Smith, Frasier.
Heatbath Appliances, Inc., assignee: *See*—
Du Fault, Homer D.
Hettrick Manufacturing Company, The, assignee: *See*—
Williams, Richard D.
Hoffman Radio Corporation, assignee: *See*—
Portanova, Joseph D.
International Harvester Company, assignee: *See*—
Lee, Fred A.
Jenkins, Howard M., Jr., Detroit, Mich., assignor to Montgomery Steel Products, Birdsboro, Pa. Automobile grille guard. 166,036, Feb. 26.
Jones, Eugenie J., Webster Groves, Mo. Informal card or the like. 166,037, Feb. 26.
Jones, Eugenie J., Webster Groves, Mo. Greeting card or the like. 166,038, Feb. 26.
Langenslepen, Herman, Los Angeles, Calif. Bathtub safety mat. 166,039, Feb. 26.
La Plante, Earl A., Boston, Mass. Television and radio program holder. 166,040, Feb. 26.
Lee, Fred A., Fort Wayne, Ind., assignor to International Harvester Company. Vehicle cab. 166,041, Feb. 26.
McMath-Axilrod Corporation, assignee: *See*—
Gray, George W.
Menhall, James W., assignee: *See*—
Yoss, Adolph E.
Meyerson, Samuel, Brooklyn, N. Y. Expansible link chain for a bracelet or the like. 166,042, Feb. 26.
Miller, Gordon B., Glendale, assignor to Gordon B. Miller & Co., Cincinnati, Ohio. Lapsed time telephone attachment. 166,043, Feb. 26.
Miller, Gordon B., & Co., assignee: *See*—
Miller, Gordon B.
Millers Falls Company, assignee: *See*—
Moore, Fred W.
Milstein, Victor, New York, N. Y. Buckle. 166,044, Feb. 26.
Montgomery Steel Products, assignee: *See*—
Jenkins, Howard M., Jr.
Moore, Fred W., assignor to Millers Falls Company, Greenfield, Mass. Belt sander. 166,045, Feb. 26.

Nulty, William B., trustee, assignee: *See*—
Despres, Urban H.
Onondaga Pottery Company, assignee: *See*—
Otis, Edward M.
Otis, Edward M., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 166,046, Feb. 26.
Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Cabinet for television receiving set. 166,047, Feb. 26.
Regina Corporation, The, assignee: *See*—
Verhagen, Edward L.
Rink, Robert M., assignor to The Goshen Manufacturing Company, Goshen, Ind. Portable lawn table. 166,048, Feb. 26.
Rudin, Louis E., Chicago, and R. S. Schwartz, Glencoe, Ill., assignors to Spiegel, Inc. Chair. 166,049, Feb. 26.
Sandholm, Oscar N., Denver, Colo. Massager. 166,050, Feb. 26.
Schwartz, Richard S.: *See*—
Rudin, Louis E., and Schwartz.
Secter, Leba C., Winnipeg, Manitoba, Canada. Puppet doll. 166,051, Feb. 26.
Selmer, H. & A., Inc., assignee: *See*—
Flood, Bernard J., and Welshenbach.
Sinko Mfg. & Tool Co., assignee: *See*—
Andrews, Nickolas P.
Smith, Frasier, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Bottle. 166,052, Feb. 26.
Spack, Louis M., Englewood, assignor to Utilitron Incorporated, Hoboken, N. J. Combined slipper and sock. 166,053, Feb. 26.
Spiegel, Inc., assignee: *See*—
Rudin, Louis E., and Schwartz.
Tarmon, Leonard, Brooklyn, N. Y. Necktie. 166,054, Feb. 26.
Utilitron Incorporated, assignee: *See*—
Spack, Louis M.
Verhagen, Edward L., assignor to The Regina Corporation, Rahway, N. J. Floor polishing machine. 166,055, Feb. 26.
Vollmert, John C., Pampa, Tex. Envelope moistener. 166,056, Feb. 26.
Weisbrot, Max A., Chicago, Ill. Serving bottle. 166,057, Feb. 26.
Welshenbach, Charles D.: *See*—
Flood, Bernard J., and Welshenbach.
Williams, Richard D., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Settee. 166,058, Feb. 26.
Yoss, Adolph E., assignor to J. W. Menhall, Benton, Ill. Parking meter. 166,059, Feb. 26.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF FEBRUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A P Controls Corporation, assignee: *See*—
Johnson, Roy W., and Helser.
Abresch, Carel F., assignor to General Motors Corporation, Dayton, Ohio. Fluid control apparatus. 2,587,080, Feb. 26.
Adams, Clark E., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Reforming naphtha with activated carbon catalyst. 2,587,425, Feb. 26.
Adamson, Robert E.: *See*—
Capp, Frank M., and Adamson.
Admiral Corporation, assignee: *See*—
Morton, Evans T.
Adrema Maschinenbau G. m. b. H., assignee: *See*—
Ostwaldt, Erich.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Port, William S., Jordan, and Swern.
Aiken, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse forming network. 2,587,426, Feb. 26.
Albers, Teunis, Amsterdam, Netherlands. Pedal for bicycles or like vehicles. 2,587,270, Feb. 26.
Albin, Frederick G., Beverly Hills, Calif., assignor to Radio Corporation of America. Preshaping of recorded waves. 2,587,081, Feb. 26.
Albisetti, Alois, Ridgefield, N. J. Toy wheeled vehicle. 2,587,082, Feb. 26.
Alderman, Wayne, Torrington, Conn. Magnetic door latch. 2,586,900, Feb. 26.
Allen, Howard G., Niagara Falls, N. Y., R. W. Watkin, East Liverpool, Ohio, S. Kufel, Jr., Cheektowaga, and E. I. Fisher, Kenmore, N. Y., assignors to The Edwin M. Knowles China Company, Newell, W. Va. Dinnerware finishing machine. 2,587,271, Feb. 26.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Hansen, Alfred J.
Allison, Sewell W., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Two-way trunk circuit arranged for dial-back operations. 2,586,901, Feb. 26.
Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Högel, Lennart, and Jaekel.
Allyn, Jerome D., Moorestown, N. J. Master cylinder for hydraulic brakes or the like. 2,587,023, Feb. 26.
Alm, Alexander V., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Stable combination of cation- and anion-exchange resins. 2,586,770, Feb. 26.
Alstadt, Benjamin: *See*—
Conto, James, and Alstadt.
Aluminum Company of America, assignee: *See*—
Roberts, Wayne B.
Wray, Robert I., and Roberts.
Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Phonograph record. 2,587,427, Feb. 26.
Alvarez Patent Corporation, assignee: *See*—
Alvarez, Octavio J.
Ambler, Robert R.: *See*—
Davis, Edward A., and Ambler.
American Cyanamid Company, assignee: *See*—
Alm, Alexander V.
Stroh, Grace R.
American Steel Foundries, assignee: *See*—
Neumann, Otto W., and O'Neil.
Watts, Raymond.
American Viscose Corporation, assignee: *See*—
McDermott, Henry J.
Wicker, Dan B., Yehling, and Moody.
Andermatt, Carl, assignor to Luwa, S. A., Zurich, Switzerland. Apparatus for atomizing fluids. 2,587,083, Feb. 26.
Anderson, Carl R.: *See*—
Hohnke, John H., and Anderson.
Anderson, Charles F., Decorah, Iowa. Article sorting device. 2,587,272, Feb. 26.
Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Unloader for compressors. 2,586,902, Feb. 26.
Anderson, Maurice J.: *See*—
Kohler, John B., and Anderson.
Anderson, Paul, San Antonio, Tex. Photocomposing machine. 2,587,084, Feb. 26.
Anderson, Philip C., Crete, Nebr. Device for applying liquid fertilizer. 2,587,085, Feb. 26.
Anteau, Howard W., Toledo, Ohio. List mounting. 2,587,086, Feb. 26.
Antonson, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire construction. 2,587,428, Feb. 26.
Aquilla, John, Brooklyn, assignor to Eagle National Printing and Die Cutting Corp., New York, N. Y. Machine for making corrugated paperboard. 2,587,273, Feb. 26.
Arditi, Maurice, New York, and W. D. Urban, Queens Village, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Making secondary emission electrodes. 2,586,771, Feb. 26.
Armour and Company, assignee: *See*—
Weber, William F.
Armstrong Cork Company, assignee: *See*—
Benner, Joseph A., and Sharf.
Breuer, Frederick W., and Zentmyer.
Roselle, Herbert, Jr.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Sculthorpe, Raymond.
Arnold, Evelyn: *See*—
Guion, Henry A., and Arnold.
Arnoux, César, Le Noirmont, Switzerland. Tight watch-case. 2,587,087, Feb. 26.
Artichokes Inc., assignee: *See*—
Rose, Jess.
Artim, Edward: *See*—
Ullmann, Harry M., Smull, and Artim.
Arutunoff, Armais, Bartlesville, Okla. Drag bit. 2,587,429, Feb. 26.
Arvin Industries, Inc., assignee: *See*—
Booth, Earl C.
Ashby, E. S., assignee: *See*—
Hively, Loy R.
Ashby, Robert M., and J. H. Muncy, Cambridge, Mass. Photographic system for moving target indication. 2,586,772, Feb. 26.
Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Aiken, William R.
Nier, Alfred O. C., Thorness, and Stevens.
Audience Computing System, Inc., assignee: *See*—
Polin, Herbert S.
Auer, Edward E.: *See*—
Barton, Bernard C., and Auer.
Augereau, Gaston G. E., Paris, France. Bush for bearings. 2,587,088, Feb. 26.
Avery, Fred J., La Grange, Ill. Apparatus for treating meat and the like. 2,587,024, Feb. 26.
Ayerst, McKenna & Harrison, Limited, assignee: *See*—
McKay, Arthur F., and Grant.
Baash-Ross Tool Company, assignee: *See*—
Bronzan, Biasito.
Badenhausen, Otto A., Brookside, N. J., E. A. Wahl, Garden City, N. Y., and W. Boehl, Union, assignors to P. Ballantine & Sons, Newark, N. J. Mechanism to sever tape between adjacent ends of cartons. 2,586,903, Feb. 26.
Baisel, Edwin C.: *See*—
Delany, John J., and Baisel.
Baldwin, Francis P., Linden, N. J., assignor to Standard Oil Development Company. Bonding of isobutylene-isoprene copolymer to brass. 2,587,430, Feb. 26.
Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Pelly, Francis E., and Cave.
Ball, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Blast hole drilling apparatus. 2,586,773, Feb. 26.
Balla, John, Jr., assignor to Allen B. Wrisley Company, Chicago, Ill. Vacuum type dust collector apparatus for filling containers with comminuted material. 2,587,089, Feb. 26.
Ballantine, P., & Sons, assignee: *See*—
Badenhausen, Otto A., Wahl, and Boehl.
Baltosser, Robert W.: *See*—
Hawkins, James E., and Baltosser.
Bandy, Ira G., Detroit, Mich. Can opener. 2,587,090, Feb. 26.
Bar-B-Buns, Inc., assignee: *See*—
Hall, Mitchell A.
Barber-Colman Company, assignee: *See*—
Schach, Albert W.
Baritz, Lenard, New York, N. Y. Fabric covered button construction. 2,586,904, Feb. 26.

Barlow, Benjamin W., Sudbury, Wembley, and G. H. Murray, Pinner, assignors to D. Napier & Son Limited, London, England. Power transmission gearing. 2,587,431, Feb. 26.

Barnes, Byron H., San Marino, and B. S. Minor, Whittier, Calif. Piston. 2,587,091, Feb. 26.

Barnes Drill Co., assignee: *See*—
Manning, Sheldon F.

Barton, Bernard C., Clifton, and E. E. Auer, East Orange, N. J., assignors to United States Rubber Company, New York, N. Y. Rubber surface treatment and article. 2,587,274, Feb. 26.

Bartsch, Cornelius, Dinuba, Calif. Self-loading excavator. 2,587,092, Feb. 26.

Bash, Francis E., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Vacuum tube electrode element. 2,586,768, Feb. 26.

Bash, Francis E., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Furnace element. 2,587,275, Feb. 26.

Bastian, Richard R., Toledo, and G. Berkebile, Waterville, assignors to Lucas Development, Inc., Toledo, Ohio. Apparatus for drawing glass fibers. 2,586,774, Feb. 26.

Bates, Emile S., Leicester, England. Marking machine for marking web material. 2,586,905, Feb. 26.

Batesville Casket Company, The, assignee: *See*—
McEwan, James J.

Batt, George H.: *See*—
Jernakoff, Michael A., Batt, and Sankowsky.

Beck, George H., Maplewood, and J. Z. Foris, Union, N. J. Work clamp. 2,587,025, Feb. 26.

Beckett, Donald E. and W. N., assignors of one-fourth to H. W. Harcum and one-fourth to J. B. Harcum, Wilmington, Ohio. Valve. 2,586,906, Feb. 26.

Beckett, William N.: *See*—
Beckett, Donald E. and W. N.

Bedford, Burnice D., Scotia, N. Y., assignor to General Electric Company. High-speed breaker arrangement for protection of valve converter circuits. 2,587,276, Feb. 26.

Belser, Elmer H., Peru, Ill., assignor to General Time Corporation. Time switch. 2,587,026, Feb. 26.

Bell Machine Company, The, assignee: *See*—
Eck, Henry J.

Bell Telephone Laboratories, Incorporated, assignee: *See*
Allison, Sewell W.
Fritts, Morris.
Germer, Lester H., and Reitter.
Hawkins, Walter L.
Holden, William H. T.
Keller, Arthur C.
Marshall, Robert W.
Vroom, Edward.

Bellah, William H., Burbank, Calif. Reel. 2,587,432, Feb. 26.

Belshaw, Philip L., H. T. Howard, and F. Irving, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of polycyclic quinones which carry a nitro and a hydroxy group as nuclear substituents. 2,587,093, Feb. 26.

Bendix Aviation Corporation, assignee: *See*
Deardorff, Clinton E., and Elder.
Livers, Carlos B.
MacDuff, Stanley I.
Price, Earl R.

Benner, Joseph A., Lancaster, and J. M. Sharf, Lancaster Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Plastic container closure. 2,586,775, Feb. 26.

Bentley, George P., Garden City, and F. R. House, Baldwin, assignors to Instrument Development Laboratories, Inc., Williston Park, N. Y. Stereopticon phonograph. 2,587,433, Feb. 26.

Berg, Nels O., and A. M Budnick, Seattle, Wash. Adjustable hospital table. 2,587,094, Feb. 26.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Electric cable connector. 2,587,095. Feb. 26.

Berger, Sidney M., Brooklyn, N. Y. Stapling machine. 2,587,096, Feb. 26.

Bergman, Jack, Pittsburgh, Pa. Setting mechanism for direct reading numeral clocks. 2,587,277, Feb. 26.

Berkebile Glenn: *See*
Bastian, Richard R., and Berkebile.

Berlant Associates, assignee: *See*
Berlant, Emmanuel.

Berlant, Emmanuel, Culver City, assignor to Berlant Associates, Los Angeles, Calif. Magnetic transducer head and mount therefor. 2,587,097, Feb. 26.

Bernard, Arthur A., Chicago, Ill. Portable shape cutter. 2,586,907, Feb. 26.

Berrick, William M., Baltimore, Md. Matrix stick positioning means. 2,586,776, Feb. 26.

Berry, Robert L., Chicago, Ill. Lighting fixture and louver for elongated tubular lamps. 2,586,908, Feb. 26.

Besha, Leon A.: *See*
Maxwell, Charles A., Lutton, and Besha.

Bevilacqua, Edward M., Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y. Increasing the mechanical stability of formaldehyde-preserved natural rubber latex. 2,587,278, Feb. 26.

Bevilacqua, Edward M., Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y. Increasing the mechanical stability of formaldehyde-preserved natural rubber latex. 2,587,280, Feb. 26.

Bevilacqua, Edward M., Ramsey, N. J., assignor to United States Rubber company, New York, N. Y. Increasing the mechanical stability of formaldehyde-preserved nautral rubber latex. 2,587,280, Feb. 26.

Bevilacqua, Edward M., Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y. Increasing the mechanical stability of formaldehyde-preserved natural rubber latex. 2,587,281, Feb. 26.

Bigelow-Sanford Carpet Company, Inc., assignee: *See*—
Moody, Walter F.

Binz, Gustave H., Chicago, Ill. Booth wall mounted movable table top. 2,587,098, Feb. 26.

Birtman Electric Company, assignee: *See*—
Mayer, Joseph P.
Sparklin, Charles H.

Bishop, John J., and E. M. Boat, assignors to Standard Gage Company, Inc., Poughkeepsie, N. Y. Resilient head for dial bore gauges. 2,587,099. Feb. 26.

Black, Henry, Bronx, N. Y. Freight car. 2,587,027, Feb. 26.

Black, Leroy E., and C. B. Marks, Las Vegas, Nev., and W. L. Tenney, Crystal Bay, Minn.; said Black and Marks assignors to said Tenney. Pulse jet thrust engine. 2,587,100, Feb. 26.

Blackman, Edward L., Greenwich, Conn. Coat hanger and sleeve wrinkle remover. 2,586,909, Feb. 26.

Blalock, Iva L., Portland, Oreg., and L. E. Ewing, Auburn, Calif. Saddle for brassière straps. 2,587,101, Feb. 26.

Blodgett, Katharine B., Schenectady, N. Y., assignor to General Electric Company. Step gauge for measuring thickness of thin films. 2,587,282, Feb. 26.

Blum, Robert D., Jr.: *See*—
Schwartz, Shepard B., and Blum.

Boaden, Earl T., and J. L. Simpson, Los Angeles, assignors to Emde Products, Inc., Culver City, Calif. Transparency projection slide. 2,587,434, Feb. 26.

Boat, Earl M.: *See*—
Bishop, John J., and Boat.

Bobard, Emile, Beaune, France. Mowing machine. 2,587,435, Feb. 26.

Boehl, Wilhelm: *See*—
Badenhausen, Otto A., Wahl, and Boehl.

Boeing Airplane Company, assignee: *See*—
Woods, Frederick E., and Williams.

Bolle, Edward A., Lidingoe, Sweden. Lamp switch actuator for use in conjunction with a telephone apparatus. 2,586,910, Feb. 26.

Bolsey, Jacques, New York, N. Y. Synchronizer arrangement. 2,587,436, Feb. 26.

Bond, George R., Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Separating olefins from hydrocarbon mixtures. 2,586,777, Feb. 26.

Boonton Radio Corporation, assignee: *See*—
Loughlin, William D., and Hill.

Booth, Earl C., Columbus, Ind., assignor to Arvin Industries, Inc. Leg for an article of furniture or the like. 2,587,283, Feb. 26.

Borchard, Charles G., Detroit, Mich. Device for ornamentally shaping cloth. 2,586,778, Feb. 26.

Bornholdt, Charles C., Rochester, Minn. File holder for saw filing machines. 2,587,102, Feb. 26.

Borzin, John J.: *See*—
Dailey, Hampton J., and Borzin.

Bottom, Verle R., Delaware, Okla. Frangible container for explosives. 2,586,911, Feb. 26.

Bottomley, Frank: *See*—
Stevens, Justus B., and Bottomley.

Bower Roller Bearing Company, assignee: *See*—
Johnson, Glen F.
Ortegren, Herman A.

Bowman Dairy Company, assignee: *See*—
Kloser, Martin M., Kimball, and Schrenk.

Boyer, Richard P., Jr., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Path-selection control arrangement for primary-secondary switching systems. 2,587,103, Feb. 26.

Bralley, James A., Bristol, Pa., and F. B. Pope, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Di(alkenyl carbonate) esters of alkylidene bis-phenols. 2,587,437, Feb. 26.

Braun, Ottwin L., Pittsburgh, assignor to Reliance Steel Products Company, McKeesport, Pa. Curb and gutter form. 2,586,912, Feb. 26.

Breen, Henry D., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Ventilation control mechanism. 2,587,028, Feb. 26.

Breese Burners, Inc., assignee: *See*—
Breese, James L.

Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Pot type burner with overhead feed. 2,586,779, Feb. 26.

Brégnet, Louis, Paris, France. Apparatus of the gyroplane type. 2,587,104, Feb. 26.

Brepson, Roland: *See*—
Drisch, Nicolas, and Brepson.

Breuer, Frederick W., Lititz, and D. T. Zentmyer, Lancaster Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Treatment of montan wax. 2,586,780, Feb. 26.

Brewer, Robert F., Quakertown, and C. W. Henderson, Emmaus, Pa., assignors to Western Electric Company, Incorporated, New York, N. Y. Material ejecting and feeding apparatus. 2,587,284, Feb. 26.

Bronzan, Blasito, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Shock-absorber for rotary drilling Kellys. 2,587,105, Feb. 26.

Broscoe, Edward W., Chicago, Ill. Doorknob attachment. 2,587,285, Feb. 26.

Brown, Alfred R., Kelso, Wash. Automatic electric setwork assembly. 2,587,438, Feb. 26.

Brown, Harrison, Fargo, N. Dak. Rotary cultivator. 2,587,106, Feb. 26.

Brown, Irving C.: *See*—
Monro, Randolph, Brown, Hinkamp, and Parduhn.

Brown, Lee Y.: *See*—
Toy, Arthur D. F., and Brown.

Brown, Robert O.: *See*—
Harrel, Chastain G., Brown, and Kimball.

Brown, William E.: *See*—
Lawson, John W., and Brown.

Browne, William H.: *See*—
Sebok, Joseph B., Browne, and Pavlish.

Brownlow, Cecil L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Line fault detector. 2,586,781, Feb. 26.

Brundin, Nils H., Hoganas, Sweden, assignor to Ekstrand & Tholand, Inc., New York, N. Y. Recovering concentrates of vanadium and/or uranium from raw materials. 2,587,286, Feb. 26.

Buc, Saul R., and D. I. Randall, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Nitrobenzyl ethers. 2,587,566, Feb. 26.

Buckeridge, Roger M., assignor to Goodman Manufacturing Company, Chicago, Ill. Belt conveyer system. 2,586,782, Feb. 26.

Buckeye Steel Castings Company, The, assignee: *See*—
Settles, James C., and Furniss.

Budnick, Abraham M.: *See*—
Berg, Nels O., and Budnick.

Bungay, George W., assignor to Electrographic Corporation, New York, N. Y. Making ready cylindrical printing plate. 2,587,439, Feb. 26.

Burkhart, Van H., La Marque, Tex. Storm blind. 2,587,440, Feb. 26.

Burns, Bruce, Yucca Valley, Calif. Clothes hanger. 2,586,913, Feb. 26.

Burton, James R., Jr., and H. N. McLean, Sr., Jasper, Ala. Golf bag. 2,587,029, Feb. 26.

Buser, Theophil, Berne, Switzerland, assignor to SAIA Aktiengesellschaft für Schaltapparate. Device for controlling consumer circuits by means of at least one measuring instrument carrying small currents. 2,587,441, Feb. 26.

Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Projectile radio location system. 2,586,783, Feb. 26.

Cade, George N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Producing carbon black. 2,587,107, Feb. 26.

California Research Corporation, assignee: *See*—
Lewis, Allen H., and Stayner.

Canadian Industries Limited, assignee: *See*—
Kerr, Hugh M., Richardson, and Logan.

Canadian International Paper Company, assignee: *See*—
Rapson, William H.

Cannon, H. P., & Son, Incorporated, assignee: *See*—
Harris, Richard W.

Capp, Frank M., and R. E. Adamson, Michigan City, Ind., assignors to Joy Manufacturing Company, Pittsburgh, Pa. Kelly drive for rotary drills. 2,586,784, Feb. 26.

Card, James V., La Grange, Tex. Mattress carrier sunner. 2,587,108, Feb. 26.

Carlson, Earl J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of maleic anhydride with allyl esters of alkylidene-bis-aromatic carbonates. 2,587,442, Feb. 26.

Carlson, Johan A., assignor to Ray Brothers Co., Ashland, Mass. Machine for severing tags. 2,587,030, Feb. 26.

Carlson, Loyd E.: *See*—
Havenhill, Robert S., and Carlson.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Colloidal sulfur. 2,586,914. Feb. 26.

Carr, George, U. S. Navy. Hydraulic control valve. 2,586,785, Feb. 26.

Carroll, William J., Los Angeles, Calif. Film holder. 2,587,109, Feb. 26.

Carter, Edwin W., San Leandro, Calif. Bottom tap ladle mechanism. 2,587,110, Feb. 26.

Case, J. I., Company, assignee: *See*—
Rutter, Alvah E.

Cashen, Ralph W., Jr., East Harwich, Mass. Telescopic hanger. 2,587,111, Feb. 26.

Caster, William F., West St. Paul, Minn. Box spring handle. 2,587,112, Feb. 26.

Cate, Paul E., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Mechanism for operating a sealing collet. 2,586,915, Feb. 26.

Cavanagh, Patrick E., assignor to Ontario Research Foundation, Toronto, Ontario, Canada. Reducing metal oxides. 2,587,113, Feb. 26.

Cave, Earl R.: *See*—
Pelly, Francis E.

Celanese Corporation of America, assignee: *See*—
Elvin, William J., and Warren.
Seymour, George W., and Salvin.
Sutherland, Frederick F.

Ceratile Corporation, assignee: *See*—
Harlan, Richard B., and Gardner.

Chamagne, Emile, Paris, and A. Charbonnier, Montmorency, France; said Chamagne assignor to Radiodiffusion Francaise. Frequency control device. 2,586,916, Feb. 26.

Chamberlain, John W., Iron Mountain, Mich. Self-closing gate. 2,587,287, Feb. 26.

Chapin, Earl C.: *See*—
Ham, George E., and Chapin.

Chapman, Harry J., Grosse Pointe, assignor to Motor Products Corporation, Detroit, Mich. Ventilator window construction. 2,587,288, Feb. 26.

Chapman, Marion P., Drayton, S. C. Control device. 2,587,114, Feb. 26.

Charbonnier, André: *See*—
Chamagne, Emile, and Charbonnier.

Chester, Carroll W., Los Angeles, Calif. Exhaust pipe extension of deflector form. 2,587,115, Feb. 26.

Chicago Bridge & Iron Company, assignee: *See*—
Goldsby, Fred L., and Orr.
Hunt, James L.
Moyer, Frederick D., and Zick.
Orr, Clifford M., and Goldsby.

Chicago Endocrine Research Company, assignee: *See*—
Richardson, Garwood C., and Rapp.

Chicago Forging and Manufacturing Company, assignee: *See*—
Hynes, Dibrell P.

Cino-Lite Business Trust, assignee: *See*—
Peterson, Vernon A.

Clark, John T.: *See*—
Johnson, Carroll W., and Clark.

Clay, Philip E. F., Radcliffe-on-Trent, England. Elastic yarn and making. 2,587,117, Feb. 26.

Clay, Pieter H., deceased, by J. D. Heijligers, administrator, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Heat exchanging device. 2,587,116, Feb. 26.

Clough, Carroll C., near Seattle, Wash. Vehicle bogey. 2,587,031, Feb. 26.

Cole, Edward J., Peekskill, N. Y. Holding nut with offset threaded end portions. 2,586,786, Feb. 26.

Coleman, William E., Pittsburgh, Pa., assignor to United States Steel Corporation. Position following control. 2,587,118, Feb. 26.

Colonial Broach Company, assignee: *See*—
Gotberg, Harry H., and Silvagi.

Commercial Solvents Corporation, assignee: *See*—
Tryon, Philip F.
Young, Vernon V.

Compagnie des Freins et Signaux Westinghouse, assignee: *See*—
Guillemin-Tarayre, Jean, and Neveu.

Compagnie des Machines Bull (Societe Anonyme), assignee: *See*—
Knutsen, Knut A.

Conforto, Michael, Philadelphia, Pa. Roofer's slag scraper. 2,586,917, Feb. 26.

Consolidated Engineering Corporation, assignee: *See*—
Washburn, Harold W.

Continental Aviation & Engineering Corporation, assignee: *See*—
McVeigh, John R.

Conto, James and B. Alstadt, New York, N. Y. Earring construction. 2,586,787, Feb. 26.

Conveyor Company, Inc., The, assignee: *See*—
Saxe, Walter E.

Cook, Harold H., Steward, Ill. Threshing machine. 2,587,289, Feb. 26.

Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. 2,586,918, Feb. 26.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Plow. 2,586,919, Feb. 26.

Crabtree, George W., Cleveland Heights, Ohio. Hydraulic spring-controlling device. 2,587,443, Feb. 26.

Crane Co., assignee: *See*—
Glauque, Charles A.

Cromeans, John S.: *See*—
Fleming, Harold W., and Cromeans.

Crompton & Knowles Loom Works, assignee: *See*—
Fletcher, Norman, and Robb.

Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Fluid control system. 2,587,444, Feb. 26.

Crosley Broadcasting Corporation, assignee: *See*—
Rockwell, Ronald J.

Crouch, Howard, Arlington, Va. Card separator and support. 2,586,920, Feb. 26.

Cushman, Walton W., Webb City, Mo. Air-cooled exhaust muffler with frusto-conical body. 2,586,788, Feb. 26.

Cushman, Walton W., Webb City, Mo. Water injector and method. 2,586,789, Feb. 26.

Dailey, Hampton J., Bloomfield, and J. J. Borzin, Newark, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic pulse-power supply. 2,587,290, Feb. 26.

Dalin, David, Ronninge, and T. J. Hedbäck, Sodertalje, Sweden. Method and apparatus for combusting finely divided low sintering temperature fuel. 2,586,790, Feb. 26.

Dattilo, Austin, Hammonton, N. J. Artificial christmas tree. 2,586,791, Feb. 26.

Davidson, Louis, Oceanside, N. Y. Door closure. 2,586,792, Feb. 26.

Davidson, Maxwell S.: *See*—
McNerny, Clyde F., Davidson, and Jeffries.

Davis, Edward A., and R. R. Ambler, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for vulcanizing annular articles. 2,587,119, Feb. 26.

Davis, William H., III: *See*—
Olson, Arthur R., McMillan, and Davis.

Dawe's Products Company, assignee: *See*—
Freed, Myer.

Dawson, Robert H., Longview, Wash. Baby's play pen. 2,587,120, Feb. 26.

Deardorff, Clinton E., San Fernando, and W. E. Elder, Sherman Oaks, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Hydraulically reinforced spring seat support. 2,587,121, Feb. 26.

De Brey, Heinrich: *See*—
Van Weenen, Franciscus L., and de Brey.

Deere & Company, assignee: *See*—
Coultas, Wilbur J.
Court, Frank T.

Defiance Metal Weatherstrip Company, assignee: *See*—
Haas, Glen B.

Delany, John J., Brooklyn, and E. C. Balsel, assignors to Delany Realty Corporation, New York, N. Y. Ball cock. 2,587,032, Feb. 26.

Delany Realty Corporation, assignee: *See*—
Delany, John J., and Balsel.

Delphon, Orval E., Wichita, Kans. Fishing line reel device. 2,586,921, Feb. 26.

De Moss, William H., Childress, Tex. Tooth paste dispenser with tension means for holding the tube in position. 2,586,922, Feb. 26.

Derham, Philip A., Rosemont, Pa., assignor to Louis Marx & Company, New York, N. Y. Musical toy. 2,587,445, Feb. 26.

Des Rochers, Jean B., Kerrville, Tex. Folding bed guard. 2,587,291, Feb. 26.

De Voe, Harlan S., Maplewood, N. J. Muscle tonus replacer. 2,587,292, Feb. 26.

De Vries, Gerbertus H., Hilversum, assignor to Werkspoor N. V., Amsterdam, Netherlands. Sugar crystallizing process. 2,587,293, Feb. 26.

Diamond Chain Company, Inc., assignee: *See*—
Mize, George G.

Dion, Amedee, assignor to Dion Freres Inc., Ste.-Therese de Blainville, Quebec, Canada. Feeding device for ensilage cutters. 2,587,122, Feb. 26.

Dion Freres Inc., assignee: *See*—
Dion, Amedee.

Dobbs, Frank G. and S. H., New York, N. Y. Purse construction. 2,587,033, Feb. 26.

Dobbs, Frank G. and S. H., New York, N. Y. Heat-sealing apparatus. 2,587,034, Feb. 26.

Dobbs, Stephan H.: *See*—
Dobbs, Frank G. and S. H.

Dondanville, Carroll A., Chicago, Ill. Corn popping machine. 2,586,923, Feb. 26.

Dorbec, Lucien, assignor to Societe Anonyme de Telecommunications, Paris, France. Device for stabilizing oscillations. 2,587,294, Feb. 26.

Dosmond, Pierre R. F., Villerupt, assignor of one-half to Forges & Ateliers de Meudon, Meudon, France. Portable pneumatic drill with automatic adjustment of the tool thrust and torque. 2,586,924, Feb. 26.

Doty, Alfred E., Saginaw, J. E. Johnson, Jr., Midland, D. R. Mussell, Clare, and M. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. Preventing infection by coccidia by employing a bromo-alkene. 2,586,793, Feb. 26.

Douglas, Peyton W., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Laundry machine tumbling drum. 2,586,794, Feb. 26.

Dow Chemical Company, The, assignee: *See*—
Doty, Alfred E., Johnson, Mussell, and Wolf.

Doyle, Charles D., and H. C. Nelson, Jr., Schenectady, N. Y., assignors to General Electric Company. Alkydpolysiloxane resins. 2,587,295, Feb. 26.

Drengberg, Virgil, Pasadena, Calif. File support. 2,586,925, Feb. 26.

Drew, E. F., & Co., Inc., assignee: *See*—
Ulmer, Richard C.

Drisch, Nicolas, and R. Brepson, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter, Port of Guernsey, Channel Islands. Pneumatic tire. 2,586,795, Feb. 26.

Drisch, Nicolas, and R. Brepson, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter, Port of Guernsey, Channel Islands. Production of viscose rayon. 2,586,796, Feb. 26.

Driver-Harris Company, assignee: *See*—
Bash, Francis E.

Droukas, Peter, Brockton, Mass. Making insoles. 2,587,446, Feb. 26.

Ducamp, Albert J., Chaville, France. Obtaining torch flame. 2,587,296, Feb. 26.

Duerksen, Arnold, assignor to Super Mold Corporation of California, Lodi, Calif. Matrix for tire treads with lateral traction slits. 2,587,297, Feb. 26.

Dunlop, James, Camp Gaw, and E. F. Durang, West Orange, N. J., assignors of one-half to Westinghouse Electric Corporation, East Pittsburgh, Pa., and one-half to Otis Elevator Company, New York, N. Y. Fire protection system. 2,586,797, Feb. 26.

Dunning, Carroll D.: *See*—
Dunning, Carroll H. and C. D.

Dunning, Carroll H. and C. D., assignors to Dunning Color Corporation, Los Angeles, Calif. Film advancing mechanism in slide film projectors. 2,587,123, Feb. 26.

Dunning Color Corporation, assignee: *See*—
Dunning, Carroll H. and C. D.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Linch, Adrian L.
Robertson, James A.

Durang, Edwin F.: *See*—
Dunlop, James, and Durang.

Durham, Corbin W., High Rock, Pa. Power-operated lawn mower. 2,587,298, Feb. 26.

Du Rostu, Georges L., assignor to Societe Anonyme Andre Citroen, Paris, France. Internal-combustion engine. 2,587,339, Feb. 26.

Durst, Giulio, Bolzano, Italy. Camera having blade and cover blind shutter. 2,587,447, Feb. 26.

Dyer, John M., assignor to Philco Corporation, Philadelphia, Pa. High-frequency filter for radio receivers. 2,586,926, Feb. 26.

Eagle National Printing and Die Cutting Corp., assignee: *See*—
Aquilla, John.

Eakin, Willard D., Akron, Ohio. Energy-absorbing deceleration apparatus for parachute loads. 2,587,448, Feb. 26.

Early, Paul F., assignor to Standard-Thomson Corporation, Dayton, Ohio. Circuit controlling mechanism for rotatably adjustable spotlights. 2,587,124, Feb. 26.

Eastman Kodak Company, assignee: *See*—
Schade, Willy.

Eastman Oil Well Survey Company, assignee: *See*—
Staton, James C.

Easton, John D., Harbord, assignor to F. W. Gissing Pty. Limited, Newtown, near Sydney, New South Wales, Australia. Louvre window. 2,587,567, Feb. 26.

Easy Washing Machine Corporation, assignee: *See*—
Douglas, Peyton W.

Eck, Henry J., assignor to The Bell Machine Company, Oshkosh, Wis. Automatic mortising and tenoning machine. 2,586,798, Feb. 26.

Edgar, Robert F., Schenectady, N. Y., assignor to General Electric Company. Adjustable permanent magnet assembly. 2,587,299, Feb. 26.

Edmonds, Lee O.: *See*—
Himel, Chester M., and Edmonds.

Ehrat, Kurt: *See*—
Gretener, Edgar, and Ehrat.

Eisler, Paul, assignor to Hermoplast Limited, London, England. Manufacture of electric circuit components 2,587,568, Feb. 26.

Ekstrand & Tholand, Inc., assignee: *See*—
Brundin, Nils H.

Elarde, Paul F., Westchester, Ill. Drift controlled fluxmeter. 2,586,799, Feb. 26.

Elder, William E.: *See*—
Deardorff, Clinton E., and Elder.

Electrographic Corporation, assignee: *See*—
Bungay, George W.

Electrolnx Corporation, assignee: *See*—
Wahlberg, Eric C.

Ellingson, Mary A., Kansas City, Mo. Organic fertilizer. 2,587,125, Feb. 26.

Ellington, Rudolph E., White Plains, N. Y., assignor to The Stronse-Baer Company, Baltimore, Md. Suspender belt. 2,587,126, Feb. 26.

Elvin, William J., and L. A. Warren, Frostburg, Md., assignors to Celanese Corporation of America. Apparatus for the treatment of filamentary materials. 2,586,800, Feb. 26.

Emde Products, Inc., assignee: *See*—
Boaden, Earl T., and Simpson.

Endo Products, Inc., assignee: *See*—
Schoen, Karl, and Gordon.

Epler, Robin B., and D. L. Woodberry, United States Army, assignors to the United States of America as represented by the Secretary of War. Incendiary bomb. 2,586,801, Feb. 26.

Erickson, Charles, and E. Spellman, New York, N. Y. Frozen confection apparatus. 2,587,127, Feb. 26.

Ericson, Albert A., Massapequa Park, N. Y., assignor to The Farmingdale Corporation. Hydraulic feed for machine tools. 2,587,449, Feb. 26.

Ericsson, Francis S., Warren, Pa. Abdominal supporting belt. 2,587,450, Feb. 26.

Erskine, Robert A.: *See*—
Gardiner, Duncan B., and Erskine.

Essex Research Corporation, assignee: *See*—
Wynne, Dominic J.

Ethyl Corporation, assignee: *See*—
Giraitis, Albert P.

Eull, Fred, San Diego, Calif. Removable seat cover. 2,587,128, Feb. 26.

Everston, Joseph H., Milwaukee, Wis. Shoe with sole leather toe. 2,587,300, Feb. 26.

Ewing, Lella E.: *See*—
Blalock, Iva L., and Ewing.

Ewing, William M., Woods Hole, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Sound transmission. 2,587,301, Feb. 26.

Fairbanks, Morse & Co., assignee: *See*—
Vogel, Edward A.

Fansteel Metallurgical Corporation, assignee: *See*—
Klels, John D.

Fantz, Fred C., Logan Township, Auglaize County, Ohio, assignor to Henry Pratt Company. Butterfly valve. 2,586,927, Feb. 26.

Farmingdale Corporation, The, assignee: *See*—
Ericson, Albert A.

Farnsworth Research Corporation, assignee: *See*—
Myers, William H.

Farr, C. K., assignee: *See*—
McFarland, Howard L.

Farrand, Clair L., Bronxville, assignor to Farrand Optical Co., Inc., New York, N. Y. Slit control for spectroscopic apparatus. 2,587,451, Feb. 26.

Farrand Optical Co., Inc., assignee: *See*—
Farrand, Clair L.

Farris, Clarence E., Fort Meade, Md. Watch timing device. 2,587,452, Feb. 26.

Fawcett, Allard S., Detroit, Mich. Portable armrest. 2,587,302, Feb. 26.

Faximile, Inc., assignee: *See*—
Hogan, John V. L.

Federal Telephone and Radio Corporation, assignee: *See*—
Steinhauser, Hayes G.

Fehrman, Frederick C., Washington, D. C. Animal mouth opener. 2,587,129, Feb. 26.

Feinberg, Archie S., Dallas, Tex. Zoned evaporator mat for air coolers. 2,587,130, Feb. 26.

Ferguson, H. K., Company, The, assignee: *See*—
Gerber, Alfred H.

Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Mean frequency control of frequency-modulated oscillators. 2,587,303, Feb. 26.

Ficken, Edward H., West New York, N. J. Germicidal cabinet. 2,587,131, Feb. 26.

Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Ice-making apparatus. 2,586,802, Feb. 26.

Figg, Basil D.: *See*—
Jones, Don F., and Figg.

Film 'N File, Inc., assignee: *See*—
Langan, John F.

Finizie, Tomun, Bridgeport, Conn. Spit-handling device. 2,587,133, Feb. 26.

Finke, Daniel L., Brooklyn, N. Y. Tool for cutting abrasive wheels and other materials. 2,587,132, Feb. 26.

Fisher, Edward I.: *See*—
Allen, Howard G., Watkin, Kufel, and Fisher.

Fisher, Foster, Providence, R. I. Feather plucking apparatus. 2,587,453, Feb. 26.

Fiske, Augustus H., Jr., and G. E. Ledges, Schenectady, N. Y., assignors to General Electric Company. Crystal pressure gauge. 2,587,304, Feb. 26.

Fiske, Milan D., Ballston Lake, N. Y., assignor to General Electric Company. Broad band electrical discharge device. 2,587,305, Feb. 26.

Flakice Corporation, assignee: *See*—
Field, Crosby.

Fleming, Harold W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of oxygen-containing chemical compounds. 2,586,928, Feb. 26.

Fleming, Harold W., Bartlesville, and J. S. Cromeans, Dewey, Okla., assignors to Phillips Petroleum Company. Separation of oxygenated organic compounds. 2,586,929, Feb. 26.

Fleming, Lawrence, Falls Church, Va. Oscillator. 2,586,803, Feb. 26.

Fletcher, Norman, Worcester, and W. Y. Robb, Whitinsville, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Selvage shuttle operating mechanism for looms. 2,587,454, Feb. 26.

Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Combined nut retainer and thread lock. 2,587,134, Feb. 26.

Florence Stove Company, assignee: *See*—
Reeves, Herbert M.

Florence, William F., Pasadena, Calif. Indicator for cabinets. 2,586,930, Feb. 26.

Fluke, John M., U. S. Navy. System for measuring electrical quantities. 2,586,804, Feb. 26.

Ford, Ronald M., Sparkbrook, Birmingham, England. Secondary feed and moistening device for hectograph duplicating machines. 2,587,455, Feb. 26.

Forges & Ateliers de Meudon, assignee: *See*—
Dosmond, Pierre R. F.

Foris, Julius Z.: *See*—
Beck, George H., and Foris.

Fornet, Marta, Chicago, Ill. Earplug. 2,587,035, Feb. 26.

Forster, John O., assignor, by mesne assignments, to Heli-Coil Corporation, Long Island City, N. Y. Inserting tool for tangless coils. 2,586,805, Feb. 26.

Forsthoefel, Gregg F., Adrian, and C. H. Newton, assignors to Revco, Inc., Deerfield, Mich. Bottle dispensing apparatus. 2,587,306, Feb. 26.

Fowler, Clarence B., Washington, D. C. Potential indicator with audible circuit testing prod. 2,586,806, Feb. 26.

Fowler, Ora S., Denver, Colo. Gun sight. 2,586,807, Feb. 26.

Fram Corporation, assignee: *See*—
Gerson, Gerhard.

Francis, Lynn M., Detroit, Mich. Convertible automobile and general freight carrying trailer. 2,587,456, Feb. 26.

Frankenburg, Walter G., Millersville, Pa., assignor to General Cigar Co., Inc., New York, N. Y. Nicotinic acid production. 2,586,808, Feb. 26.

Freed, Myer, assignor to Dawe's Products Company, Chicago, Ill. Production of vitamin A and related compounds. 2,587,457, Feb. 26.

Freygang, Walter H., Essex Fells, assignor to Specialties Development Corporation, Bloomfield, N. J. System for dispensing a fire-extinguishing medium. 2,586,809, Feb. 26.

Frick Company, assignee: *See*—
Kline, William O.

Friend, David S.: *See*—
Newman, Robert J., and Friend.

Fries, Peter, Jr., assignee: *See*—
Glubiak, Casper.

Fritts, Morris, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact spring. 2,587,458, Feb. 26.

Frum, Alexander, Far Rockaway, assignor to International Standard Electric Corporation, New York, N. Y. Localizer and glide path system. 2,586,810, Feb. 26.

Fuentes, Alicia C., New York, N. Y. Sanitary napkin protector. 2,587,459, Feb. 26.

Furniss, Loree E.: *See*—
Settles, James C., and Furniss.

Gafford, William T., Flint, Mich. Protector attachment for soda fountain mixers. 2,587,135, Feb. 26.

Galdos, Alonzo F., Redwood City, Calif. Selective fire converter for semiautomatic firearms. 2,587,460, Feb. 26.

Gammon, Benjamin W., Hollis, N. Y. Closure for paper receptacles. 2,586,931, Feb. 26.

Garbo, Paul W., Freeport, assignor to Hydrocarbon Research, Inc., New York, N. Y. Producing oxygen. 2,586,811, Feb. 26.

Gardiner, Duncan B., and R. A. Erskine, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,586,932, Feb. 26.

Gardner, Benjamin R., Jr.: *See*—
Williams, Everard M., and Gardner.

Gardner, Bernard C., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Reflex klystron electron-discharge device. 2,587,136, Feb. 26.

Gardner, Walter E.: *See*—
Harlan, Richard B., and Gardner.

Garduno, Fernando, Los Angeles, Calif. Safety binder and support. 2,587,307, Feb. 26.

Garratt, Leslie, Leicester, and P. White, Worcester Park, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe bottom filling machine. 2,586,933, Feb. 26.

Gatimel, Gilbert, Paris, France, asisgnor to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Device for the adjustment of the starting position of the blowpipe in oxygen cutting machines. 2,587,461, Feb. 26.

Gehrke, Willard H., Menasha, Wis., assignor to Monsanto Chemical Company, St. Louis, Mo. Zinc acetate on devolatilized coal. 2,586,812, Feb. 26.

General Aniline & Film Corporation, assignee: *See*—
Buc, Saul R., and Randall.
Jones, Giffin D.

General Cigar Co., Inc., assignee: *See*—
Frankenburg, Walter G.

General Electric Company, assignee: *See*—
Bedford, Burnice D.
Blodgett, Katharine B.
Doyle, Charles D., and Nelson.
Edgar, Robert F.
Fiske, Augustus H., Jr., and Ledges.
Fiske, Milan D.
Jordan, John P.
Lincks, George F.
Lincks, George F., and Smith.
Manning, Ralph M.
Oliver, James H.
Roberts, John A.
Seaver, John D.
Smith, Robert E.
Unger, Magnus.
Van Valkenburg, Howard E., and Wasserman.

General Motors Corporation, assignee: *See*—
Abresch, Carel F.
Jackson, George W.
Lantz, Donald G.
Lawson, John W., and Brown.
McCormick, Francis H.
Schweller, Edmund F.

General Precision Laboratory Incorporated, assignee: *See*—
Gillon, John W.

General Scientific Corporation, assignee: *See*—
Lowenthal, Herman.

General Time Corporation, assignee: *See*—
Beiser, Elmer H.

Gerber, Alfred H., Bay Village, assignor to The H. K. Ferguson Company, Cleveland, Ohio. Building construction. 2,586,934, Feb. 26.

Germer, Lester H., Millburn, and G. E. Reitter, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Process and apparatus for semicontinuous plating. 2,587,036, Feb. 26.

Gerson, Gerhard, Rumford, R. I., assignor to Fram Corporation. Gas filter. 2,586,935, Feb. 26.

Gianuque, Charles A., Berwyn, assignor to Crane Co., Chicago, Ill. Valve body with projecting seat. 2,587,569, Feb. 26.

Giles, John E., Lockport, Ill. Rotary delivery damper for grain cleaning chambers. 2,587,137, Feb. 26.

Gillette, Clement J., Detroit, Mich. Trolling reel. 2,587,308, Feb. 26.

Gillon, John W., Hartsdale, N. Y., assignor to General Precision Laboratory Incorporated. Film processor drying control. 2,587,138, Feb. 26.

Giraitis, Albert P., Baton Rouge, La., assignor to Ethyl Corporation, New York, N. Y. Granulation of salt cake. 2,587,309, Feb. 26.

Gissing, F. W., Pty. Limited, assignee: *See*—
Easton, John D.

Gleason, Anthony H.: *See*—
Kittleson, Allen R., and Gleason.

Gleason Works, assignee: *See*—
Wildhaber, Ernest.

Glover, Abram, Rifle, Colo. Roller removing tool. 2,587,139, Feb. 26.

Glublak, Casper, assignor of fifteen per cent to P. Fries, Jr., New York, N. Y. Self-ejecting key. 2,587,037, Feb. 26.

Goldberg, Jacob M., Denver, Colo. Fishing reel. 2,587,462, Feb. 26.

Goldsby, Fred L.: *See*—
Orr, Clifford M., and Goldsby.

Goldsby, Fred L., Westfield, N. J., and C. M. Orr, Western Springs, Ill., assignors to Chicago Bridge & Iron Company. Floating roof seal. 2,586,813, Feb. 26.

Goldstein, Murray, Scranton, Pa. Universal presser foot for sewing machines. 2,586,936, Feb. 26.

Golnick, John C., Richmond, Va. Fishline float. 2,587,311, Feb. 26.

Goodell, Ralph W., Springfield, assignor to White Aircraft Corporation, Palmer, Mass. Carpet sweeper. 2,587,038, Feb. 26.

Goodman Manufacturing Company, assignee: *See*—
Buckeridge, Roger M.

Goodman, Saul, Yonkers, N. Y. Kettledrum. 2,587,310, Feb. 26.

Goodrich, B. F., Company, The, assignee: *See*—
Antonson, John O.
Bralley, James A., and Pope.
Carlson, Earl J.
Davis, Edward A., and Ambler.
Herzegh, Frank.
Shaver, Forrest W.
Westfahl, Jerome C., and Sears.

Gordon, Samuel M.: *See*—
Schoen, Karl, and Gordon.

Gorman, Andrew T., Pitcairn, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake release control apparatus. 2,587,039, Feb. 26.

Gorshkoff, Alexis S., Oxford, assignor to Steel Products, Incorporated, West Haven, Conn. Diffuser head for fluid fuel burners. 2,587,140, Feb. 26.

Gorton, Charles E.: *See*—
Marquardt, Leonard A., and Gorton.

Gotberg, Harry H., and J. Silvagi, Detroit, assignors to Colonial Broach Company, Warren Township, Mich. Grinding-wheel dressing fixture. 2,586,937, Feb. 26.

Gowland, John P., Palo Alto, Calif. Leaping figure toy. 2,586,938, Feb. 26.

Grable, Donovan B., Long Beach, Calif. Directed well drilling. 2,586,939, Feb. 26.

Graham, Albert E., executor: *See*—
Graham, Albert R.

Graham, Albert R., deceased, Pittsburgh, Pa.; A. E. and C. F. Graham, executors. Surgical appliance. 2,586,940, Feb. 26.

Graham, Carl F., executor: *See*—
Graham, Albert R.

Grandgirard, Henri, Puteaux, assignor to Société des Brevets Kegresse, S. E. K., Paris, France. Cushioning device for hydraulic clutches. 2,587,141, Feb. 26.

Grant, Gordon A.: *See*—
McKay, Arthur F., and Grant.

Gray, Benjamin A., and J. D. Sabo, assignors to Toy Founders, Inc., Detroit, Mich. Model automobile assembly kit. 2,587,142, Feb. 26.

Green, Edward H., Chicago, Ill. Spray nozzle. 2,587,040, Feb. 26.

Greene, Claude E., assignor to The Monarch Machine Tool Company, Sidney, Ohio. Turret lathe. 2,587,312, Feb. 26.

Greenewald, Herbert, Jr., Haddonfield, N. J. Mold composition for precision casting and forming mold. 2,586,814, Feb. 26.

Greeson, Orion S., Elizabeth, N. J. Multiple switch unit with interdependent switching mechanisms operating at different rates. 2,587,143, Feb. 26.

Greeson, Orion S., Elizabeth, N. J. Sequential switch release mechanism. 2,587,144, Feb. 26.

Gretener, Edgar, Zurich, and K. Ehrat, Baden, Switzerland, said Ehrat assignor to said Gretener. Mechanical torque amplifier. 2,586,941, Feb. 26.

Grib, Boris F., Brooklyn, N. Y. Continuous facsimile scanner. 2,587,145, Feb. 26.

Griser, Lawrence: *See*—
Williams, Eda, and Griser.

Gross, Irving A., Cleveland, Ohio, assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Antenna. 2,587,146, Feb. 26.

Grove, Marvin H., Piedmont, Calif., assignor, by mesne assignments, to Grove Regulator Company. Apparatus for preventing backflow of liquid. 2,586,942, Feb. 26.

Grove Regulator Company, assignee: *See*—
Grove, Marvin H.

Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Automatic control of wave form. 2,587,313, Feb. 26.

Guignard, Ulyss O., assignor to Wm. Bros Boiler & Manufacturing Co., Minneapolis, Minn. Tamping roller frame. 2,587,463, Feb. 26.

Guillemin-Tarayre, Jean, Paris, and A. Neven, Livry-Gargan, assignors to Compagnie des Freins et Signaux Westinghouse, Paris, France. Triple valve device. 2,587,041, Feb. 26.

Guion, Henry A., and E. Arnold, Los Angeles, Calif. Dose time indicator. 2,587,147, Feb. 26.

Gunderson, Jul A., Drammen, Norway. Producing shoe cleats. 2,587,148, Feb. 26.

Gunn, Ross, Washington, D. C. Insulation breakdown indicator and recorder. 2,586,815, Feb. 26.

Gwynn, Marion H., Mountain Lakes, N. J. Hydrofining with sulfate regenerated catalyst. 2,587,149, Feb. 26.

Haas, Glenn B., assignor to Defiance Metal Weatherstrip Company, Oak Harbor, Ohio. Sash guide and cup unit. 2,586,946, Feb. 26.

Halseiup, George F., Indianapolis, Ind. Target type toy with pivoted targets. 2,587,042, Feb. 26.

Hall, Mitchell A., Fort Thomas, Ky., assignor to Bar-B-Buns, Inc., Norwood, Ohio. Sandwich grill. 2,587,314, Feb. 26.

Haller, John, Northville, Mich. Machine for sizing bushings. 2,586,943, Feb. 26.

Halvorson, Lord W., Duluth, Minn. Key assembly for musical instruments. 2,586,944, Feb. 26.

Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Fiber spinning composition comprising solutions of vinylidene chloride polymers in tris (N,N-dimethylamino) phosphene oxide. 2,587,464, Feb. 26.

Ham, George E., and E. C. Chapin, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Solution polymerization of acrylonitrile polymers in aqueous alcohol mixtures. 2,587,465, Feb. 26.

Hansen, Alfred J., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Protective system for electronic frequency changers. 2,587,151, Feb. 26.

Hansen, Donald A., Robbinsdale, and C. R. Lyseng, Minneapolis, Minn. Hanging support. 2,587,150, Feb. 26.

Hansen, William W., deceased, and R. H. Varian, Garden City, N. Y.; O. D. Ross, executrix of said W. W. Hansen, assignors to The Sperry Corporation. High-frequency modulating system. 2,586,816, Feb. 26.

Harcum, Heber W., assignee: *See*—
Beckett, Donald E. and W. N.

Harcum, J. Bates, assignee: *See*—
Beckett, Donald E. and W. N.

Harlan, Richard B., Long Beach, and W. E. Gardner, Whittier, assignors, by mesne assignments, to Ceratile Corporation, Paramount, Calif. Decorating ceramic bodies. 2,587,152, Feb. 26.

Harms, Viggo, New York, N. Y. Progressive classifying or treating solids in a fluidized bed thereof. 2,586,818, Feb. 26.

Harrel, Chastain G., R. O. Brown, and M. H. Kimball, assignors to Pillsbury Mills, Inc., Minneapolis, Minn. Nonsogging piecrust mix. 2,586,945, Feb. 26.

Harris, Herbert, Jr., Cedarhurst, N. Y., assignor to The Sperry Corporation. Stabilization system for gunfire control apparatus and the like. 2,586,817, Feb. 26.

Harris, La Viella T., assignee: *See*—
Smith, Arthur C.

Harris, Richard W., assignor to H. P. Cannon & Son, Incorporated, Bridgeville, Del. Canning peppers. 2,587,466, Feb. 26.

Harris, Stanton A.: *See*—
Wilson, Andrew N., and Harris.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Clay, Pieter H.
Hoekstra, Johannes.
Moerman, Willem.
Van der Willigen, Paul C.
Van Weenen, Franciscus L., and de Brey.

Hartney, James L., Chicago, Ill., assignor to United States Steel Company. Apparatus for atomizing fuel in open hearth furnaces. 2,587,153, Feb. 26.

Hartz, Vernon O., Glendale, Calif. Rotary fluid coupling. 2,587,154, Feb. 26.

Harvey, James W., assignor to S. A. Harvey, Lakeville, Conn. Quiver. 2,587,155, Feb. 26.

Harvey, Starr A., assignee: *See*—
Harvey, James W.

Havenhill, Robert S., Beaver, and L. E. Carlson, Monaca, Pa., assignors to St. Joseph Lead Company, New York, N. Y. Electric field strength measurement. 2,587,156, Feb. 26.

Hawkins, James E., and R. W. Baltosser, assignors to Seismograph Service Corporation, Tulsa, Okla. Position plotter for hyperbolic radio survey system. 2,587,467, Feb. 26.

Hawkins, Walter L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparation of 1,2, di-primary amines. 2,587,043, Feb. 26.

Hayden, Joseph T., Philadelphia, Pa. Button fastener. 2,586,819, Feb. 26.

Haynes, James L., Glen Ellyn, Ill. Railroad car truck. 2,587,315, Feb. 26.

Hays, Leonard A., Jr., Hammond, and R. B. Selund, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Propane-clay treating. 2,586,947, Feb. 26.

Heaps, Stanley N.: *See*—
Loper, George B., and Heaps.

Hedbäck, Tore J.: *See*—
Dalin, David, and Hedbäck.

Helder, Rudolph L., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Ethylene oxide process. 2,587,468, Feb. 26.

Heljligers, Joris D., administrator: *See*—
Clay, Pieter H.

Hellmann, Thorbjorn, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Treatment of cement raw slurry. 2,587,044, Feb. 26.

Heiser, Ferdinand F.: *See*—
Johnson, Roy W., and Heiser.

Heli-Coil Corporation, assignee: *See*—
Forster, John O.

Hemperly, William F., Westfield, and N. R. Smith, Somerville, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Polyethylene film manufacture. 2,586,820, Feb. 26.

Henderson, Clifford W.: *See*—
Brewer, Robert F., and Henderson.

Henry, Glenn C., Moorestown, N. J. Article support and the like. 2,587,316, Feb. 26.

Henry, Otto H., Caldwell, N. J. Resonant vibration fatigue tester. 2,587,317, Feb. 26.

Heppner, Myron R., Round Lake, Ill. Electron beam centering device for cathode-ray tubes. 2,586,948, Feb. 26.

Hept, Ralph W.: *See*—
Weber, Nelson H., and Hept.

Herbener, Henry M., Thomasville, Ga. Pocketbook, folder, card case or the like. 2,586,949, Feb. 26.

Hermoplast Limited, assignee: *See*—
Eisler, Paul.

Herring, Wayland F., Calumet City, Ill. Typewriter support. 2,587,469, Feb. 26.

Herzegh, Frank, Shaker Heights, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire. 2,587,470, Feb. 26.

Hess, Harold A., Waynesboro, Pa. Sash corner joint. 2,587,471, Feb. 26.

Hill, Donald M.: *See*—
Loughlin, William D., and Hill.

Himel, Chester M., Palo Alto, Calif., and L. O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Alkylthiosulfenyl dithiocarbamates as vulcanization accelerators. 2,586,769, Feb. 26.

Hinkamp, Clarence N.: *See*—
Monro, Randolph, Brown, Hinkamp, and Parduhn.

Hively, Loy R., Bridgewater, assignor of one-half to E. S. Ashby, Harrisonburg, Va. All stock control gate. 2,587,318, Feb. 26.

Hoekstra, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rotatable drum with liquid bath. 2,587,157, Feb. 26.

Hofberg, Alf H., Medford, N. J., assignor to Radio Corporation of America. Metal detector. 2,587,158, Feb. 26.

Hoffmaster, George R., Esterly, assignor to Willson Products, Inc., Reading, Pa. Eyeglasses having improved temple pivot structure. 2,587,472, Feb. 26.

Hogan, John V. L., Forest Hills, assignor to Faximile, Inc., New York, N. Y. Quantity recorder. 2,587,319, Feb. 26.

Högel, Lennart, and J. Jaekel, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Clamping device for electrodes of arc furnaces. 2,587,045, Feb. 26.

Högstadius, Svante E. G., Stockholm, Sweden. Adjustable side-jaw wrench. 2,587,320, Feb. 26.

Hohnke, John H., and C. R. Anderson, Detroit, Mich. Machine for forming and finishing concrete surfaces. 2,587,321, Feb. 26.

Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling system using rectifiers back to back. 2,586,821, Feb. 26.

Holmes, Calvin J., Terre Haute, Ind. Portable grandstand. 2,587,159, Feb. 26.

Holveck, Joseph E., Upper Montclair, and A. G. Rockwood, Nutley, assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Hydraulic debarker. 2,587,473, Feb. 26.

Honeyman, Henry W., Jr., and H. W. Honeyman, 3rd., Riverside, R. I. Method and apparatus for forming ladder web slat supports for Venetian blinds. 2,586,822, Feb. 26.

Honeyman, Henry W., 3rd.: *See*—
Honeyman, Henry W., Jr., and Henry W. Honeyman, 3rd.

Hopkins, Cyril J.: *See*—
Lee, George A., Smith, and Hopkins.

Houdaille-Hershey Corporation, assignee: *See*—
Sebok, Joseph B., Browne, and Pavlish.

Houdry Process Corporation, assignee: *See*—
Bond, George R., Jr.

House, Frank R.: *See*—
Bentley, George P., and House.

Howard, Ellis M., Rising Star, Tex. Stuffing box. 2,587,474, Feb. 26.

Howard, Harold T.: *See*—
Belshaw, Philip L., Howard, and Irving.

Howe, Burdis A., Walters, Okla. Automatic stock chute. 2,587,160, Feb. 26.

Hubbard Spool Company, assignee: *See*—
Tucker, George G., Jr., and Rappleyea.

Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Pressure relief valve. 2,587,161, Feb. 26.

Hubers, Herman W., Jr., Essex, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for controlled heating of enclosures. 2,587,322, Feb. 26.

Hudson Bay Mining and Smelting Co., Limited, assignee: *See*—
McFadden, William E.

Hudson, Franklin, Roselle, assignor to Inner-Tite Clamp Corporation, Elizabeth, N. J. Flexible locking means for bell and spigot joints. 2,587,475, Feb. 26.

Huhn, Fritz, Ventura, Calif. Apparatus for internal magnetic and mechanical inspection of pipes and the like. 2,587,476, Feb. 26.

Huhn, Paul J., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Hand die. 2,586,823, Feb. 26.

Huizinga, Bouke B., Leeuwarden, Netherlands. Raking and bundling machine. 2,587,323, Feb. 26.

Hunt, James L., Birmingham, Ala., assignor to Chicago Bridge & Iron Company. Pipe cutting apparatus. 2,586,824, Feb. 26.

Hunter, Byron A., Seymour, Conn., assignor to United States Rubber Company, New York, N. Y. Stabilization of synthetic rubber. 2,587,477, Feb. 26.

Hursh, Samuel R., Bala-Cynwyd, and C. J. Reigh, Altoona, Pa., said Reigh assignor to said Hursh. Ballast tamping apparatus. 2,587,324, Feb. 26.

Husted, Harry A., assignor to A. T. Tebbe, St. Joseph, Mich. Sign. 2,587,325, Feb. 26.

Hydrocarbon Research, Inc., assignee *See*—
Garbo, Paul W.

Hynes, Dibrell P., Evanston, assignor to Chicago Forging and Manufacturing Company, Chicago, Ill. Fitting. 2,586,950, Feb. 26.

Imperial Chemical Industries Limited, assignee: *See*—
Belshaw, Philip L., Howard, and Irving.

Ingersoll Milling Machine Company, The, assignee: *See*—
Kaiser, Karl B.

Ingersoll-Rand Company, assignee *See*—
Anderson, James H.
Maclay, William R.

Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Circuit breaker with ambient temperature and shock compensation. 2,587,162, Feb. 26.

Inner-Tite Clamp Corporation, assignee: *See*—
Hudson, Franklin.

Instrument Development Laboratories, Inc., assignee: *See*—
Bentley, George P., and House.

International Standard Electric Corporation, assignee: *See*—
Arditi, Maurice, and Urban.
Busignies, Henri G.
Frum, Alexander.
Jacobsen, Bent B.
Mamor, Armand.
Willoughby, Eric O.

Irving, Francis: *See*—
Belshaw, Philip L., Howard, and Irving.

Isler, William, assignee: *See*—
Orner, Harry.

Islip, Leonard, Rugby, and S. W. H. Perry, Knighton, assignors to Power Jets (Research and Development) Limited, London, England. Seal for rotors of turbines and like fluid flow machines. 2,587,326, Feb. 26.

Iversen, Norman H., Birmingham, assignor to Production Broaching Corporation, Wayne County, Mich. Adjustable brouch holder. 2,587,570, Feb. 26.

Jackson, George W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Windshield wiper drive. 2,587,163, Feb. 26.

Jacobsen, Bent B., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Signal compression and expansion arrangements in electric communication systems. 2,586,825, Feb. 26.

Jaekel, Jan: *See*—
Högel, Lennart, and Jaekel.

Jaruza, assignee: *See*—
Sabes, Jean.

Jeffries, Lloyd N.: *See*—
McNerny, Clyde F., Davidson, and Jeffries.

Jenkins, Colin N.: *See*—
Knewstubb, Norman W., and Jenkins.

Jernakoff, Michael A., New York, N. Y., G. H. Batt, Elizabeth, and N. A. Sankowsky, Scotch Plains, N. J., assignors, by mesne assignments, to Standard Oil Development Company. Production of pyrethrin concentrate from whole pyrethrum flowers. 2,587,478, Feb. 26.

Jersey Manufacturing Co., assignee: *See*—
Nelson, Robert C.

Jesnig, Charles J., Florida Park, assignor to Package Devices, Inc., Philadelphia, Pa. Resilient cap and container closed thereby. 2,587,327, Feb. 26.

Jett, Carl O., Omaha, Nebr., and D. L. Wylie, Portland, Oreg. Train approach indicator. 2,587,164, Feb. 26.

Johnson, Arthur E., assignor of forty one-hundredths to D. K. S. Johnson, St. Louis, Mo. Spring supported chair. 2,586,951, Feb. 26.

Johnson, Arthur F., Cambridge, Mass., assignor to Reynolds Metals Company, Richmond, Va. Purification of alumina-containing materials. 2,587,328, Feb. 26.

Johnson, Carroll W., Chicago, and J. T. Clark, Cicero, Ill. Headrest. 2,586,952, Feb. 26.

Johnson, Dorothy K. S., assignee: *See*—
Johnson, Arthur E.

Johnson, Glen F., assignor to Bower Roller Bearing Company, Detroit, Mich. Machine for end grinding elongated workpieces. 2,586,953, Feb. 26.

Johnson, John A., Stoke-on-Trent, England. Drying stove. 2,587,479, Feb. 26.

Johnson & Johnson, assignee: *See*—
Leger, Ernest J.

Johnson, Julius E., Jr.: *See*—
Doty, Alfred E., Johnson, Mussell, and Wolf.

Johnson, Roy W., and F. F. Heiser, Milwaukee, Wis., assignors to A P Controls Corporation. Gas control valve. 2,587,480, Feb. 26.

Jones, Don F., and B. D. Figg, assignors to Motor Wheel Corporation, Lansing, Mich. Control for heating apparatus. 2,586,826, Feb. 26.

Jones, Giffin D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Amides of alkylenimines and β-keto acids and producing the same. 2,587,329, Feb. 26.

Jones, Robert M., Baltimore, Md. Storm curtain. 2,587,330, Feb. 26.

Jones, Sam P., Dallas, Tex. Gas carbureting apparatus. 2,587,165, Feb. 26.

Jordan, Edmund F., Jr.: *See*—
Port, William S., Jordan, and Swern.

Jordan, John P., Scotia, N. Y., assignor to General Electric Company. High-frequency electrical heating method and apparatus. 2,587,331, Feb. 26.

Jovick, Frank J., San Francisco, Calif., assignor of one-half to V. Jovick, Arlington, Va. Knee-supporting brace. 2,587,166, Feb. 26.

Jovick, Vance, assignee: *See*—
Jovick, Frank J.

Joy Manufacturing Company, assignee: *See*—
Ball, Charles F.
Capp, Frank M., and Adamson.
McCallum, Robert A.
Miller, Earl E.
Paget, Win W.

Jubilee Manufacturing Company, assignee: *See*—
Nielsen, Richard C. and P.

Juliano, Arthur A., Kansas City, Mo. Camera support. 2,586,954, Feb. 26.

Kacena, Richard J., Chicago, Ill. Adjustable wheel mounting for concrete mixers or the like. 2,587,046, Feb. 26.

Kaehni, Frank J.: *See*—
Kaehni, William J. and F. J.

Kaehni, William L., deceased, and F. J. Kaehni, Cleveland, Ohio; F. J. Kaehni, executor of said W. L. Kaehni. Electron compass. 2,587,481, Feb. 26.

Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Smith, Arthur D.

Kaiser, Karl B., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Finishing cutter. 2,586,955, Feb. 26.

Karlson, John E., Garden City, N. Y., assignor to The Sperry Corporation. Directive radiating system. 2,586,827, Feb. 26.

Kasselmann, George J.: *See*—
Siekmann, Harold J., and Kasselmann.

Kassnel, Nick: *See*—
Verson, John, and Kassnel.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer bearing. 2,587,332, Feb. 26.

Keeran, Royal V., San Diego, Calif. Radio buoy. 2,586,828, Feb. 26.

Keizer, Eugene O., Princeton, N. J., assignor to Radio Corporation of America. Signal amplifying system. 2,586,956, Feb. 26.

Keizer, Eugene O., Princeton, N. J., assignor to Radio Corporation of America. Gated amplifier circuit. 2,586,957, Feb. 26.

Keller, Arthur C., Bronxville, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric type switching relay. 2,587,482, Feb. 26.

Keller, Wilbur R., Portland, Oreg. Archery range with movable target. 2,586,958, Feb. 26.

Kelley, Cecil S., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Rotor for disk brakes. 2,587,047, Feb. 26.

Kelley, John W., Canadian, Tex. Gate latch. 2,587,167, Feb. 26.

Kelley, Kork, Wichita Falls, Tex. Reverse flow adapter for wells. 2,587,333, Feb. 26.

Kellogg Switchboard and Supply Company, assignee: *See*—
Boyer, Richard P., Jr.

Kelsey, Walter, New York, N. Y. Paper machine drier. 2,586,829, Feb. 26.

Kenco Products Corporation, assignee: *See*—
Steele, Vernon P.

Kenyon Instrument Company, Inc., assignee: *See*—
Malwald, Ernest J., Jr.

Kerr, Hugh M., and W. G. Richardson, Brownsburg, and H. A. Logan, assignors to Canadian Industries Limited, Montreal, Quebec, Canada. Delay electric blasting cap. 2,586,959, Feb. 26.

Kessler, Hyman, Washington, D. C. Windshield wiper. 2,587,168, Feb. 26.

Keyes, George G., and G. Sim, assignors to Teletype Corporation, Chicago, Ill. Telegraphically controlled timing mechanism. 2,587,483, Feb. 26.

Kimball, Mary H.: *See*—
Harrel, Chastain G., Brown, and Kimball.

Kimball, Timothy L.: *See*—
Kloser, Martin M., Kimball, and Schrenk.

Kimberlin, Charles N., Jr.: *See*—
Adams, Clark E., and Kimberlin.

King, Laurence F.: *See*—
Sproule, Lorne W., and King.

Kingston Products Corporation, assignee: *See*—
Weber, Nelson H., and Hept.

Kittleson, Allen R., Cranford, and A. H. Gleason, Westfield, N. J., assignors to Standard Oil Development Company. Insecticidal compositions comprising a polychloro chloromethyl 2,5 endomethylene cyclohexene 3. 2,587,484, Feb. 26.

Kivari, John L., Detroit, Mich. Incandescent lamp. 2,587,169, Feb. 26.

Kivley, Ray C., Kenmore, and C. A. Windsor, Buffalo, assignors to Western Electric Company, Incorporated, New York, N. Y. Material feed signal system. 2,586,960, Feb. 26.

Klein, Marjorie L., Los Angeles, Calif. Infant's sleeping garment and cover. 2,586,961, Feb. 26.

Kleis, John D., Lake Forest, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Ignition circuit. 2,586,962, Feb. 26.

Kline, William O., Waynesboro, assignor to Frick Company, Franklin County, Pa. Process and apparatus for treating hides. 2,587,485, Feb. 26.

Klingler, Charles, Amityville, and E. F. Klingler, Lindenhurst, N. Y. Swivel joint. 2,587,170, Feb. 26.

Klinger, Ernest F.: *See*—
Klingler, Charles and E. F.

Kloser, Martin M., Chicago, T. L. Kimball, Park Ridge, and O. J. Schrenk, assignors, to Bowman Dairy Company, Chicago, Ill. Manufacture of bakers' cheese. 2,586,830, Feb. 26.

Knewstubb, Norman W., Solihull, and C. N. Jenkins, Yardley, Birmingham, England, assignors to Union Carbide and Carbon Corporation, New York, N. Y. Laminated article having an unimpregnated surface and making the same. 2,587,171, Feb. 26.

Knowles, Edwin M., China Company, The, assignee: *See*—
Allen, Howard G., Watkin, Kufel, and Fisher.

Knudsen, Knud J., assignor to The Lewis Engineering Company, Naugatuck, Conn. Movable coil electrical instrument. 2,586,831, Feb. 26.

Knutsen, Knut A., assignor to Compagnie Des Machines Bull (Societe Anonyme) Paris, France. Cathode-ray tube analyzing and recording apparatus. 2,586,963, Feb. 26.

Koebel, Frank E., Madison, and O. E. Olivieri, Milburn, assignors, by mesne assignments, to J. K. Smit & Sons, Inc., Murray Hill, N. J. Holder for diamond dressing tools. 2,587,172, Feb. 26.

Kogan, Jerome, Stamford, N. Y. Cervical speculum. 2,587,486, Feb. 26.

Kohler, John B., assignor to The Kohler System Company, Chicago, Ill. Apparatus for winding rolls. 2,586,832, Feb. 26.

Kohler, John B., and M. J. Anderson, assignors to The Kohler System Company, Chicago, Ill. Core enveloper. 2,586,833, Feb. 26.

Kohler System Company, The, assignee: *See*—
Kohler, John B.
Kohler, John B., and Anderson.

Kohlhagen, Walter, Elgin, Ill. Machine for balancing balance wheels and the like. 2,587,048, Feb. 26.

Konrad, William A: *See*—
Vesterdal, Hans G., and Konrad.

Koop, Ernest J., Shafter, Calif. Earth scoop. 2,587,487, Feb. 26.

Kosolapoff, Gennady M., Auburn, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Production of ketones. 2,587,488, Feb. 26.

Kosolapoff, Gennady M., Auburn, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Production of ketones. 2,587,489, Feb. 26.

Kraissl, Frederick, Jr., North Hackensack, N. J. Rotary pump. 2,586,964, Feb. 26.

Krausz, Nicolás, Buenos Aires, Argentina. Piano keyboard regulator. 2,587,049, Feb. 26.

Krieger, Emil, Richmond Hill, N. Y. Garment belt. 2,587,490, Feb. 26.

Kreisman, Peter P., Jr., Puyallup, Wash. Raspberry picker. 2,586,834, Feb. 26.

Kresky Mfg. Co., Inc., assignee: *See*—
Miller, Clarance A.

Kronmiller, Carl G., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., Control device. 2,587,334, Feb. 26.

Kufel, Stanley, Jr.: *See*—
Allen, Howard G., Watkin, Kufel, and Fisher.

Kunda, John J., Milwaukee, Wis. Smoking pipe. 2,586,965, Feb. 26.

Kuss, Theodore M., San Francisco, and R. D. Russell, Oakland, Calif. Deep water oil well drilling system. 2,586,966, Feb. 26.

L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, assignee: *See*—
Gatimel, Gilbert.

Lanco Products Corporation, assignee: *See*—
Nash, Nat. H.

Landergott, Anton F., Pittsburgh, Pa. Theraphy tank. 2,587,335, Feb. 26.

Landgraf, George F., Pittsburgh, assignor to Trion, Inc., McKees Rocks, Pa. Electrode for electrostatic filters. 2,587,173, Feb. 26.

Langan, John F., Washington, D. C., assignor, by mesne assignments, to Film 'N File, Inc., New York, N. Y. Making film record cards. 2,587,022, Feb. 26.

Lantz, Donald G., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Viscosity control apparatus. 2,587,174, Feb. 26.

Lappin, Lester S., Pennsauken, N. J., assignor to Radio Corporation of America. Load control system for electronic power generators. 2,587,175, Feb. 26.

Larson, Arvid, East Meadow, N. Y. Single-edge razor blade sickle. 2,587,336, Feb. 26.

Larson, Charles O., Sterling, Ill. Foldable chair. 2,587,176, Feb. 26.

Larson, Charles O., Sterling, Ill. Folding workbench. 2,587,177, Feb. 26.

Lawson, John W., and W. E. Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Polarity reversing switch. 2,587,178, Feb. 26.

Lay, John L., Ogden, assignor to A. H. Wirz, Inc., Chester, Pa. Molding threaded articles. 2,587,337, Feb. 26.

Le Blond, R. K., Machine Tool Company, The, assignee: *See*—
Siekmann, Harold J., and Kasselmann.

Ledges, George E.: *See*—
Fiske, Augustus H., Jr., and Ledges.

Lee, George A., Cuffley, A. R. Smith, Birmingham, and C. J. Hopkins, Cuffley, England. Automatic machine for measuring granular materials. 2,587,338, Feb. 26.

Leger, Ernest J., Metuchen, N. J., assignor to Johnson & Johnson. Strip material dispensing and applying device. 2,586,835, Feb. 26.

Le Moulin-Legumes Corporation, assignee: *See*—
Mantelet, Jean.

Less, Joseph W., Clinton, Iowa. Collar assembly for shirts. 2,587,491, Feb. 26.

Leveille, Albert J., Johnston, R. I. Tool holder. 2,587,179, Feb. 26.

Levkoff, David, Great Neck, N. Y. Apparatus for setting-up box blanks. 2,587,050, Feb. 26.

Lewis, Allen H., Berkeley, and R. D. Stayner, Albany, assignors to California Research Corporation, San Francisco, Calif. Esters of alkane phosphonic acids. 2,587,340, Feb. 26.

Lewis Engineering Company, The, assignee: *See*—
Knudsen, Knud J.

Lewis, Wilbur M., East McKeesport, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake equipment. 2,587,651, Feb. 26.

Liebson, Sidney H., Washington, D. C. Iodine counter. 2,586,836, Feb. 26.

Liguori, Anthony: *See*—
Shenk, Eugene R., and Liguori.

Linch, Adrian L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing dianisidine. 2,586,837, Feb. 26.

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Circuit opening device. 2,587,341, Feb. 26.

Lincks, George F., and S. R. Smith, Jr., Pittsfield, Mass., assignors to General Electric Company. Fuseless circuit interrupting device. 2,587,342, Feb. 26.

Lind, Harry W., Rockford, Ill. Power drive. 2,587,343, Feb. 26.

Lindstrom, Alvin L., Atlanta, Ga. Fixture with wall receiving portion. 2,587,181, Feb. 26.

Lindstrom, Andrew E., Larkspur, Calif., assignor, by mesne assignments, to United Metal Seal Company, Dorchester, Mass. Container filling and capping machine. 2,587,180, Feb. 26.

Lipetz, Ovsay, New York, N. Y. Accessory for curtain drapes. 2,587,492, Feb. 26.

Livers, Carlos B., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic motor cylinder with stroke limiting valve. 2,587,182, Feb. 26.

Livingstone, Jay G., Akron, Ohio. Nondrip pouring outlet. 2,587,344, Feb. 26.

Logan, Hector A.: *See*—
Kerr, Hugh M., Richardson, and Logan.

Lohr, Raymond J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Automatically turning wheeled toy. 2,587,052, Feb. 26.

Lombard, Adrian A., Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Support for internal-combustion engines. 2,587,345, Feb. 26.

Lombard Corporation, assignee: *See*—
Lombard, Daniel L.

Lombard, Daniel L., Hubbard, assignor to Lombard Corporation, Youngstown, Ohio. Hydraulic press fluid supply with pressure intensifier. 2,587,571, Feb. 26.

Loper, George B., and S. N. Heaps, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Horizontal component low-frequency geophone. 2,587,346, Feb. 26.

Lopez, Charles M., Los Angeles, Calif. Joint construction for endless belts. 2,587,053, Feb. 26.

Loughlin, William D., Mountain Lakes, and D. M. Hill, assignors to Boonton Radio Corporation, Boonton, N. J. Modulated signal generator. 2,587,493, Feb. 26.

Love, Jabez A., Silver Creek Township, Cass County, Mich. Disk harrow. 2,587,494, Feb. 26.

Lovell Manufacturing Company, assignee: *See*—
Kauffman, Walter L., II.

Lowenthal, Herman, assignor to General Scientific Corporation, Chicago, Ill. High-speed four-component photographic objective. 2,587,347, Feb. 26.

Lucas Development, Inc., assignee: *See*—
Bastian, Richard R., and Berkebile.

Lumitype Corporation, assignee: *See*—
Murphy, Joseph F.

Lundy, Charles W., Sr., North Charlerol, Pa. Trap for sewer catch basins. 2,586,967, Feb. 26.

Lute, Carl, Hammond, Ind., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Laterally movable door safety catch. 2,587,348, Feb. 26.

Lutton, Charles F.: *See*—
Maxwell, Charles A., Lutton, and Besha.

Luwa, S. A., assignee: *See*—
Andermatt, Carl.

Lyseng, Cameron R.: *See*—
Hansen, Donald A., and Lyseng.

Lytle Engineering & Mfg. Co., assignee: *See*—
Washburn, Nell E.

M B Manufacturing Company, Inc., The, assignee: *See*—
Stirnkorb, Fred E.

MacArthur, William A., Long Beach, Calif. Power-driven taper cutting saw. 2,587,054, Feb. 26.

MacDuff, Stanley I., assignor to Bendix Aviation Corporation, South Bend, Ind. Steering gear construction. 2,587,495, Feb. 26.

Mace, James W., assignor of one-half to W. C. Young, and one-half to H. Young, Rainier, Oreg. Animal trap. 2,587,349, Feb. 26.

Maclay, William R., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Safety device for rotary motors. 2,586,968, Feb. 26.

Malwald, Ernest J., Jr., Oyster Bay, assignor to Kenyon Instrument Company, Inc., Huntington, N. Y. Rapid processing apparatus for photographic film. 2,587,350, Feb. 26.

Mallamas, Paul, Jr., assignee: *See*—
Pilkington, William T., Jr.

Mamor, Armand, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Testing circuits for group selectors in automatic systems. 2,586,838, Feb. 26.

Manderfeld, Emanuel C., Los Angeles, assignor to Mitchell Camera Corporation, Glendale, Calif. Removable Geneva movement for motion-picture projectors. 2,587,183, Feb. 26.

Manning, Ralph M., West Medford, Mass., assignor to General Electric Company. Thermostatic switch. 2,587,351, Feb. 26.

Manning, Sheldon F., assignor to Barnes Drill Co., Rockford, Ill. Thread-cutting machine having rapid traverse plus positive controlled feed. 2,587,352, Feb. 26.

Mantelet, Jean, Bagnolet, France, assignor, by mesne assignments, to Le Moulin-Legumes Corporation, Wilmington, Del. Household grater operating by means of a drum. 2,587,186, Feb. 26.

Manteria, Joseph, Springfield, Mass. Package delivery mechanism. 2,587,496, Feb. 26.

Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Purging apparatus for fuel storage spaces and the like. 2,586,839, Feb. 26.

Marjama, Alvin L., Monterey Park, Calif. Sandblast nozzle. 2,587,184, Feb. 26.

Marks, Charles B.: *See*
Black, Leroy E., Marks, and Tenney.

Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl tall oil ester coating compositions. 2,587,497, Feb. 26.

Marquardt, Leonard A., Elmhurst, and C. E. Gorton, assignors to W. H. Miner, Inc., Chicago, Ill. Hand brake for railway cars. 2,586,969, Feb. 26.

Marschak, Howard J., Chicago, Ill. Circular building. 2,587,353, Feb. 26.

Marsh, Albert M., Wauwatosa, Wis. Round molded gyratory bolter sieve. 2,587,498, Feb. 26.

Marsh, Allan O., Los Angeles, Calif. Multiple punch. 2,587,185, Feb. 26.

Marsh, Jas. P., Corporation, assignee: *See*—
Willach, Bernhard.

Marshall, Robert H., Washington, D. C. Motion recorder for torpedo controls. 2,586,840, Feb. 26.

Marshall, Robert W., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical cavity resonator for microwaves. 2,587,055, Feb. 26.

Marx, Louis, & Company, assignee: *See*—
Derham, Philip A.

Marx, Louis, & Company, Inc., assignee: *See*—
Lohr, Raymond J.

Mason, James A., and W. A. Roffey, assignors to Molins Machine Company Limited, Deptford, London, England. Conveyer mechanism for wrapping machines. 2,587,499, Feb. 26.

Master Electric Company, The, assignee: *See*—
Schram, Orland L. R., and Smith.

Matuszak, Alfred H., Jersey City, N. J., assignor to Standard Oil Development Company. Rust inhibiting composition. 2,587,546, Feb. 26.

Mauck, Robert J., Detroit, Mich. Rain trough for vehicle windows. 2,587,354, Feb. 26.

Maxwell, Charles A., Freeville, C. F. Lutton and L. A. Besha, Ithaca, N. Y. Animal trap. 2,587,500, Feb. 26.

May Hosiery Mills, assignee: *See*—
Schwartz, Shepard B., and Blum.

Mayer, Joseph P., Chicago, Ill., assignor to Birtman Electric Comptny. Speed governor for motors. 2,586,841, Feb. 26.

McCallum, Robert A., Michigan City, Ind., assignor to Joy Manufacturing Company. Drilling apparatus. 2,586,842, Feb. 26.

McCormick, Francis H., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,587,187, Feb. 26.

McCullough, I. J., assignee: *See*—
Sweetman, William G.

McCullough, O. J., assignee: *See*—
Sweetman, William G.

McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for spinning artificial filaments. 2,586,970, Feb. 26.

McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinneret supporting bracket. 2,586,971, Feb. 26.

McDonald, Hiram J., Jeffersonville, Ind. Lifting grab for industrial trucks. 2,586,843, Feb. 26.

McElroy, Archie K., Springfield, and L. C. McNutt, Scotch Plains, N. J. Detecting faults in the welds while being made. 2,587,056, Feb. 26.

McEwan, James J., assignor to The Batesville Casket Company, Batesville, Ind. Casket construction. 2,587,355, Feb. 26.

McFadden, William E., Flin Flon, assignor to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Apparatus for regulating the flow of thixotropic colloids and the like. 2,587,188, Feb. 26.

McFarland, Howard L., assignor to C. K. Farr and J. W. Turek, Beaumont, Tex. Artificial bait. 2,587,189, Feb. 26.

McKay, Arthur F., Kingston, Ontario, and G. A. Grant, assignors to Ayerst, McKenna & Harrison, Limited, Montreal, Quebec, Canada. Preparation of Δ^2-1,3-diazacycloalkenes. 2,586,844, Feb. 26.

McKenzie, Neville P., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Valve mechanism operated by a plurality of thermostats. 2,586,972, Feb. 26.

McKinnon, Bain L., Seattle, Wash. Nebulizer for administering medicaments. 2,586,845, Feb. 26.

McLean, Henry N., Sr.: *See*—
Burton, James R., Jr., and McLean.

McMahon, Thomas L., Amarillo, Tex., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Prefabricated hank of ribbon for making ornamental pompon bows. 2,587,502, Feb. 26.

McMillan, Edward R.: *See*—
Olson, Arthur R., McMillan, and Davis.

McMillin, John H., Monroe, Mich. Fundus camera, including eye fixation. 2,586,973, Feb. 26.

McNerny, Clyde F., and M. S. Davidson, Denver, Colo., and L. N. Jeffries, Missoula, Mont. Apparatus for separating sugar beets or the like from heavier articles such as rocks, sand, and mud. 2,586,846, Feb. 26.

McNutt, Louis C.: *See*—
McElroy, Archie K., and McNutt.

McPherson, Hal W., Chicago, Ill., assignor, by mesne assignments, to The Skinner Chuck Company. Reversible valve structure. 2,587,356, Feb. 26.

McPherson, Hal W., Chicago, Ill., assignor to The Skinner Chuck Company, Norwalk, Conn. Valve. 2,587,357, Feb. 26.

McRae, Fred W., assignor to Security Valve Co., Los Angeles, Calif. Valve. 2,587,358, Feb. 26.

McVeigh, John R., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich. Automotive power plant with air preheater and reverse axial flow through combustion chamber to power and compressor turbines. 2,587,057, Feb. 26.

Mead, Vincent A., United States Navy. Latch release mechanism. 2,586,847, Feb. 26.

Meadors, Victor G., Tulsa, Okla., assignor to Standard Oil Development Company. Drilling fluid compositions. 2,587,501, Feb. 26.

Mechanical Products, Inc., assignee: *See*—
Ingwersen, Richard C.

Melrose, Robert G., Lloyd Harbor, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Unitary pivot pin or bolt. 2,587,058, Feb. 26.

Merck & Co., Inc., assignee: *See*—
Wilson, Andrew N., and Harris.

Merrion, Earl P., assignor to Townsend Citrus Supply Company, Lake Wales, Fla. Fruit picker's bag. 2,586,974, Feb. 26.

Merriweather, Arthur E., Los Angeles, Calif. Fishing float. 2,587,190, Feb. 26.

Merserean, Everard C., Westfield, N. J., assignor to National Brake Company, Inc., New York, N. Y. Hand brake mechanism. 2,587,059, Feb. 26.

Merullo, Roland A., Revere, Mass. Dispenser for products packaged in collapsible tubes. 2,587,191, Feb. 26.

Messinger, William, Philadelphia, Pa. Eccentric adjustment for roll drive. 2,586,975, Feb. 26.

Meyer, Harry R., Santa Barbara, Calif. Apparatus for lubricating internal-combustion engines. 2,587,060, Feb. 26.

Meyer, Henry A., St. Louis, Mo. Torque converter. 2,587,503, Feb. 26.

Meyer, Herman, Long Beach, Calif. Leakage tester for threaded pipe couplings. 2,587,192, Feb. 26.

Milans, Serafin J., Montevideo, Uruguay. Airplane with variable incidence slotted wing and arrowlike behavior about the lateral axis. 2,587,359, Feb. 26.

Milbrath, Arthur F., assignor to Wisconsin Motor Corporation, Milwaukee, Wis. Internally ribbed manifold for multicylinder internal-combustion engines. 2,587,360, Feb. 26.

Miller, Clarence A., assignor to Kresky Mfg. Co., Inc., Petaluma, Calif. Horizontal tray type oil burner. 2,587,361, Feb. 26.

Miller, Earl E., El Paso, Tex., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Tunnel mucking apparatus. 2,587,362, Feb. 26.

Miller, Howard C., New York, N. Y. Controlling device for refrigerator systems. 2,587,363, Feb. 26.

Miller, Theodore J., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Rotary disk platen. 2,586,848, Feb. 26.

Miller, William A., Port Jefferson Station, N. Y., assignor to Radio Corporation of America. Computing device. 2,587,193, Feb. 26.

Millsap, Leander W., Los Angeles, Calif. Power-driven film rewind machine. 2,586,976, Feb. 26.

Milo, John J., assignee: *See*—
Nelson, Robert C.

Miner, W. H., Inc., assignee: *See*—
Marquardt, Leonard A., and Gorton.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Kronmiller, Carl G.
Side, Frederick W.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Huhn, Paul J.
McMahon, Thomas L.
Miller, Theodore J.

Minor, Burt S.: *See*—
Barnes, Byron H., and Minor.

Mitchell Camera Corporation, assignee: *See*—
Manderfeld, Emanuel C.

Mitchell, Clarence E., Garden Grove, Calif. Auxiliary seat for vehicles and the like. 2,587,194, Feb. 26.

Mitchell, Courtney N., deceased, Strongsville, Ohio, by E. Mitchell, administratrix, Cleveland, Ohio. Balling gun. 2,587,364, Feb. 26.

Mitchell, Edith, administratrix: *See*—
Mitchell, Courtney N.

Mize, George G., assignor to Diamond Chain Company, Inc., Indianapolis, Ind. 2,587,365, Feb. 26.

Moerman, Willem, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric arc welding. 2,587,195, Feb. 26.

Moffett, Robert B., assignor to The Upjohn Company, Kalamazoo, Mich. 2-Isopropylmethylaminoethyl ester of phenylcyclohexenylacetic acid and salts thereof. 2,586,849, Feb. 26.

Moffett, Robert B. assignor to The Upjohn Company, Kalamazoo, Mich. 2-Isopropylmethylaminopropyl ester of phenylcyclohexenylacetic acid and salts thereof. 2,586,850, Feb. 26.

Molins Machine Company Limited, assignee: *See*—
Mason, James A., and Roffey.

Monarch Machine Tool Company, The, assignee: *See*—
Greene, Claude E.

Monro, Randolph, Edgewood, I. C. Brown, Baltimore, Md., C. N. Hinkamp, and F. J. M. Pardubn, Washington, D. C., assignors to United States of America as represented by the Secretary of War. Diaphragm optical gas mask. 2,586,851, Feb. 26.

Monsanto Chemical Company, assignee: *See*—
Gehrke, Willard H.
Ham, George E.
Ham, George E., and Chapin.
Heider, Rudolph L.
Kosolapoff, Gennady M.
Marling, Paul E.
Trementozzi, Quirino A.

Montali, Andrew, Avonmore, Pa. Spinning fish lure. 2,587,366, Feb. 26.

Montecatini Societa Generale Per L'Industria Mineraria e Chimica Anonima, assignee: *See*—
Valgiusti, Serafino.

Moody, Arthur J., administrator: *See*—
Moody, Charles E.

Moody, Charles E., deceased, Visalia, Calif.; A. J. Moody, administrator. Scraping and leveling machine. 2,586,977, Feb. 26.

Moody, John W.: *See*—
Wicker, Dan B., Yehling, and Moody.

Moody, Walter F., Thompsonville, Conn., assignor, by mesne assignments, to Bigelow-Sanford Carpet Company, Inc., New York, N. Y. Cleaned and degreased wool sliver and processes employing the same. 2,587,504, Feb. 26.

Moody, Walter F., assignor to Bigelow-Sanford Carpet Company, Inc., Thompsonville, Conn. Pile fabric floor covering and pile yarn therefor made from cleaned and degreased wool sliver. 2,587,505, Feb. 26.

Morecroft, Lola K., Santa Clara, Calif. Collapsible rest for the extremities and bodies of humans. 2,587,196, Feb. 26.

Moreland, George L., Peoria, Ill. Fire alarm. 2,587,506, Feb. 26.

Moritz, Jean, Chatou, France. Continuous apparatus for the manufacture of superphosphates and similar products. 2,587,367, Feb. 26.

Morrell, Jacque C., Philadelphia, Pa. Kaolin-phosphoric acid polymerization catalyst. 2,586,852, Feb. 26.

Morris, Ivey C., Lowell, N. C. Pattern mechanism for dobby looms. 2,587,507, Feb. 26.

Morton, Evans T., assignor to Admiral Corporation, Chicago, Ill. Multiple temperature refrigerator. 2,586,853, Feb. 26.

Motor Products Corporation, assignee: *See*—
Chapman, Harry J.
Schweitzer, Louis.

Motor Wheel Corporation, assignee: *See*—
Jones, Don F., and Figg.

Mousel, Canellen K., Edison, Nebr. Cooling system for motor vehicles. 2,587,197, Feb. 26.

Moyer, Frederick D., and L. P. Zick, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Seal hanger for floating roofs. 2,587,508, Feb. 26.

Moyer, Richard C., N. J. Oliver, and M. L. Rysdon, assignors to Sioux Steel Company, Sioux Falls, S. Dak. Louver. 2,587,509, Feb. 26.

Muncy, James H.: *See*—
Ashby, Robert M., and Muncy.

Mureau, Charles A., Sherman Oaks, Calif. Combined brush applicator mounting and closure sealing means. 2,587,198, Feb. 26.

Murphy, Joseph F., West Roxbury, assignor to Lumitype Corporation, Roxbury, Mass. Type assembly device. 2,587,368, Feb. 26.

Murray, George H.: *See*—
Barlow, Benjamin W., and Murray.

Murray, John W., Richmond Heights, Mo. Inlay for molded plastic articles. 2,586,978, Feb. 26.

Mussell, Dorsey R.: *See*—
Doty, Alfred E., Johnson, Mussell, and Wolf.

Myers, F. E., Bro. Co., The, assignee: *See*—
Spreng, Warren M.

Myers, Floyd H., Lyons, Ohio. Water fountain standard. 2,586,979, Feb. 26.

Myers, Louis, Rockford, Ill. Dispenser and drink mixer. 2,586,980, Feb. 26.

Myers, William H., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Printed circuit construction. 2,586,854, Feb. 26.

Nagel, Charles J., Evansville, Ind. Conveyer loader. 2,586,981, Feb. 26.

Napier, D., & Son Limited, assignee: *See*—
Barlow, Benjamin W., and Murray.

Nash, Nat H., Bronx County, N. Y., assignor to Lanco Products Corporation. Adding emulsifying agents to prepared ice cream mixes. 2,587,369, Feb. 26.

Natelson, Samuel: *See*—
Weiss, Max, and Natelson.

National Brake Company, Inc., assignee: *See*—
Merserean, Everard C.

National Cash Register Company, The, assignee: *See*—
Werner, Frank R.

Naugler, Walter E., and E. W. Stacey, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Limit stop mechanism for gun turrets. 2,586,982, Feb. 26.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Ewing, William M.

Neal, Albert V., High Point, N. C. Rip gauge assembly for rip saw. 2,587,199, Feb. 26.

Neikirk, Marvin, Forest City, Ill. Disk carrier attachment. 2,587,510, Feb. 26.

Nelson, Henry C., Jr.: *See*—
Doyle, Charles D., and Nelson.

Nelson, John A., St. Petersburg, Fla., assignor to Olin Industries, Inc., East Alton, Ill. Mold clamping device. 2,587,061, Feb. 26.

Nelson, Robert C., Kensington, Conn., assignor to J. J. Milo, Elizabeth, N. J., doing business as Jersey Manufacturing Co. Metal cutting toolholder. 2,587,370, Feb. 26.

Neo-Ray Products, Inc., assignee: *See*—
Young, Philip.

Nerman, Tom, New York, N. Y. Tripod. 2,587,511, Feb. 26.

Nettesheim, Peter W., Chicago, Ill. Built-in floor illuminating fixture having a hinged lamp support and a hinged reflector. 2,587,371, Feb. 26.

Neumann, Otto W., and G. D. O'Neil, assignors to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,587,512, Feb. 26.

Neveu, Anselme: *See*—
Guillemin-Tarayre, Jean, and Neveu.

Newell, George K., near Pitcairn, Pa., assignor to Westinghouse Air Brake Company. Pin retaining means. 2,587,062, Feb. 26.

Newman, Robert J., and D. S. Friend, London, England. Labeling machine. 2,586,983, Feb. 26.

Newton, Charles H.: *See*—
Forsthoefel, Gregg F., and Newton.

New York Air Brake Company, The, assignee: *See*—
Huber, Matthew W.

Nielsen, Peter: *See*—
Nielsen, Richard C. and P.

Nielsen, Richard C. and P., assignors to Jubilee Manufacturing Company, Omaha, Nebr. Electric horn. 2,587,513, Feb. 26.

Nier, Alfred O. C., Riverdale, R. B. Thorness, and C. M. Stevens, New York, N. Y., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for governing fluid flow. 2,586,984, Feb. 26.

Norris, Edward O., Westport, Conn. Rotary distributor for spraying devices. 2,587,514, Feb. 26.

Nottingham, Ralph K., Portland, Oreg., assignor to Phillips Tutch-Latch Company. Hinge latch. 2,587,200, Feb. 26.

Olevin, Adolph, New York, N. Y. Can opener. 2,587,201, Feb. 26.

Olin Industries, Inc., assignee: *See*—
Nelson, John A.

Oliver, James H., Ballston Spa, N. Y., assignor to General Electric Company. Hammer mill for grinding feed. 2,587,372, Feb. 26.

Oliver, Norman J.: *See*—
Moyer, Richard C., Oliver, and Rysdon.

Olivieri, Oswald E.: *See*—
Koebel, Frank E., and Olivieri.

Olson, Arthur R., Wakefield, E. B. McMillan, Marblehead, and W. H. Davis, III, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Drying leather to ultimate clean condition. 2,586,985, Feb. 26.

O'Neill, Gerald D.: *See*—
Neumann, Otto W., and O'Neil.

Ontario Research Foundation, assignee: *See*—
Cavanagh, Patrick E.

Orilia, James: *See*—
Ribaudo, Andrew A., and Orilia.

Orner, Harry, assignor of one-half to W. Isler, Cleveland Heights, Ohio. Hair extracting device. 2,586,855, Feb. 26.

Orr, Clifford M.: *See*—
Goldsby, Fred L., and Orr.

Orr, Clifford M., and F. L. Goldsby, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Double-deck floating roof. 2,586,856, Feb. 26.

Orrison, Chester E., Springfield, Mo. Hand support for automobiles. 2,586,986, Feb. 26.

Ortegren, Herman A., Grosse Pointe, assignor to Bower Roller Bearing Company, Detroit, Mich. Roll honing machine. 2,586,987, Feb. 26.

Osplack, Joseph J., assignor to Vinco Corporation, Detroit, Mich. Hobbing grinder and wheel dresser. 2,587,202, Feb. 26.

Ostwaldt, Erich, Berlin-Hermsdorf, assignor to Adrema Maschinenbau G. m. b. H., Berlin, Germany. Printing machine for printing addresses. 2,587,373, Feb. 26.

Otis Elevator Company, assignee: *See*—
Dunlop, James, and Durang.
Pinto, Anthony.

Pacific Bridge Company, assignee: *See*—
Vedensky, Dmitri N.

Pacific Flush Tank Company, assignee: *See*—
Schlenz, Harry E.

Package Devices, Inc., assignee: *See*—
Jesnig, Charles J.

Page, Clarence, assignor to Page and Cox, Detroit, Mich. Article distributing machine. 2,586,988, Feb. 26.

Page and Cox, assignee: *See*—
Page, Clarence.

Page, Lee M., Opp, Ala., assignor of one-half to W. G. Page, Orlando, Fla. Transportation vehicle. 2,586,857, Feb. 26.

Page, Woodfin G., assignee: *See*—
Page, Lee M.

Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Rectification apparatus. 2,586,989, Feb. 26.

Paillard S. A., assignee: *See*—
Thévenaz, Jean.

Pangborn Corporation, assignee: *See*—
Vedder, Walter O.

Papadopoulos, Theofanis S., New York, N. Y. Safety device for refrigeration machines and the like. 2,587,203, Feb. 26.

Paramount Textile Machinery Co., assignee: *See*—
Richter, Henry.

Parduhn, Frank J. M.: *See*—
Monro, Randolph, Brown, Hinkamp, and Parduhn.

Parish, Frank P., assignor to Sanitary Products Corporation, Taneytown, Md. Coiled end withdrawal string for tampons. 2,587,515, Feb. 26.

Parker, William, East Cleveland, Ohio. Punch. 2,587,516, Feb. 26.

Parsons, Floyd B., Fair Lawn, assignor to Specialties Development Corporation, Bloomfield, N. J. Rupturable sealing means for pressure fluids. 2,586,858, Feb. 26.

Paster, Elizabeth, Detroit, Mich. Skating shoe muff. 2,587,205, Feb. 26.

Patch, George W., Jr., White Plains, N. Y., and J. G. Van Vleet, Milwaukee, Wis., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Railroad tank car. 2,587,204, Feb. 26.

Pattinson, John R., Hutchinson, Kans. Centrifugal separator. 2,587,206, Feb. 26.

Patton, William J., Philadelphia, Pa. Fender mounted directed-beam automobile head lamp. 2,587,374, Feb. 26.

Paulsen, William R., Cleveland, Ohio. Atmospheric pressure regulator. 2,587,375, Feb. 26.

Pavlish, Arnold E.: *See*—
Sebok, Joseph B., Browne, and Pavlish.

Paxson, Homer D., Salem, Ohio. Clamp means. 2,587,517, Feb. 26.

Peirce, William B., Pittsburgh, Pa. Machine tool. 2,587,519, Feb. 26.

Pelly, Francis E., Upper Darby Township, Delaware County, and E. R. Cave, Philadelphia, Pa., assignors to Baldwin-Lima-Hamilton Corporation. Dual fuel injection pump control. 2,587,376, Feb. 26.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Sprauer, Jerome W.

Pennypacker, Isaac A., executor: *See*—
Sheen, Milton R.

Pearson, John M., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Electrical logging method and apparatus. 2,587,518, Feb. 26.

Penrose, William F., Summit, N. J. Electric power apparatus for steering and the like. 2,587,377, Feb. 26.

Peplow, Arthur, Chicago, Ill. Adjustable power-driven tool support. 2,587,520, Feb. 26.

Perry, Sydney W. H.: *See*—
Islip, Leonard, and Perry.

Petersen, Louis S., Forest Hills, assignor to F. L. Smidth & Co., New York, N. Y. Cooling bulk material. 2,587,378, Feb. 26.

Petersen, Louis S., Forest Hills, assignor to F. L. Smidth & Co., New York, N. Y. Apparatus for treating bulk material. 2,587,379, Feb. 26.

Peterson, Dorothy M., San Francisco, Calif. Therapeutic vibrator. 2,587,207, Feb. 26.

Peterson, Louis L., Dos Palos, Calif. Vehicle coupling. 2,587,208, Feb. 26.

Peterson, Thomas F., Shaker Heights, Ohio. Cable reinforcing and supporting device. 2,587,521, Feb. 26.

Peterson, Vernon A., assignor to Cino-Lite Business Trust, Chicago, Ill. Amusement device for testing a person's timing ability. 2,587,381, Feb. 26.

Petsch, Harold W., Dubuque, Iowa. Multiple glazing unit. 2,587,063, Feb. 26.

Philco Corporation, assignee: *See*—
Dyer, John M.

Phillips, Benjamin, and P. S. Starcher, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Production of acrylamides. 2,587,209, Feb. 26.

Phillips, Benjamin, and P. S. Starcher, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Production of acrylamides. 2,587,210, Feb. 26.

Phillips Petroleum Company, assignee: *See*—
Brownlow, Cecil L.
Cade, George N.
Carney, Samuel C.
Fleming, Harold W.
Fleming, Harold W., and Cromeans.
Himel, Chester M., and Edmonds.
Whitney, William B.

Phillips Tutch-Latch Company, assignee: *See*—
Nottingham, Ralph K.

Piazze, Thomas E., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Tube former. 2,587,211, Feb. 26.

Pilkington, William, Sr., assignee: *See*—
Pilkington, William T., Jr.

Pilkington, William T., Jr., assignor of one-third to W. Pilkington, Sr., and one-third to P. Mallamas, Jr., Beckley, W. Va. Leaf spring construction. 2,587,522, Feb. 26.

Pillsbury Mills, Inc., assignee: *See*—
Harrel, Chastian G., Brown, and Kimball.

Pinto, Anthony, New Rochelle, assignor to Otis Elevator Company, New York, N. Y. Elevator control system. 2,586,859, Feb. 26.

Placette, Theodore, San Marcos, Tex. Relief valve. 2,587,212, Feb. 26.

Poitras, Edward J., Jackson Heights, and J. D. Tear, Great Neck, N. Y., assignors to The Sperry Corporation. Control system. 2,586,990, Feb. 26.

Polin, Herbert S., Rio de Janeiro, Brazil, assignor to Audience Computing System, Inc., New York, N. Y. Telemetering device. 2,587,213, Feb. 26.

Polk, Helen R., administratrix: *See*—
Polk, Joseph G.

Polk, Joseph G., deceased, Freeport, N. Y.; H. R. Polk, administratrix. Machine for the manufacture of spangles and similar articles. 2,587,214, Feb. 26.

Polynice, Paul, Southampton, N. Y. Razor and blade dispenser therefor. 2,587,380, Feb. 26.

Pope, Frank B.: *See*—
Bralley, James A., and Pope.

Port, William S., E. F. Jordan, Jr., and D. Swern, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Separation of vinyl esters of long chain fatty acids from the corresponding free fatty acids. 2,586,860, Feb. 26.

Postel, Kenneth L., assignor to Vickers Incorporated, Detroit, Mich. Swivel pipe joint. 2,586,991, Feb. 26.

Power Jets (Research and Development) Limited, assignee: *See*—
Islip, Leonard, and Perry.

Pratt, Henry, Company, assignee: *See*—
Fantz, Fred C.

Prescott, Charles H., Jr., Berkeley, Calif. Forming a glaze on carbon. 2,587,523, Feb. 26.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,587,524, Feb. 26.

Priestly, Frank P., Chicago, Ill. Inhalator. 2,587,215, Feb. 26.

Production Broaching Corporation, assignee: *See*—
Iversen, Norman H.

Pyne, Stafford M., Detroit, Mich. Window washer and wiper. 2,587,382, Feb. 26.

Quadrio, Mario, Como, Italy. Coating especially metallic articles with an ancient green patina. 2,587,216, Feb. 26.

Quenan, Joseph M., North Hornell, N. Y. Lifting device. 2,587,217, Feb. 26.

Quick-Way Truck Shovel Co., assignee: *See*—
Smith, Luke E.

Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Floating roof tank gauge. 2,587,525, Feb. 26.

Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Floating roof tank gauge. 2,587,526, Feb. 26.

Rabinow, Jacob, Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Arming cover for fuses. 2,586,861, Feb. 26.

Radio Corporation of America, assignee: *See*—
Albin, Frederick G.
Fernsler, George L.
Grundmann, Gustave L.
Hofberg, Alf H.
Keizer, Eugene O.
Lappin, Lester S.
Miller, William A.
Rettinger, Michael.
Rosenthal, Fritz.
Shenk, Eugene R., and Liguori.
Smith, John P.
Sziklai, George C.
Wendt, Karl R.

Radiodiffusion Francaise, assignee: *See*—
Chamagne, Emile, and Charbonnier.

Rainey, Perry H., Opa-Locka, Fla. Fishing lure. 2,587,218, Feb. 26.

Randall, David I.: *See*—
Buc, Saul R., and Randall.

Rapp, Gustav W.: *See*—
Richardson, Garwood C., and Rapp.

Rappleyea, Frederick A.: *See*—
Tucker, George G., Jr., and Rappleyea.

Rapson, William H., Hawkesbury, Ontario, assignor to Canadian International Paper Company, Montreal, Quebec, Canada. Bleaching wood pulp. 2,587,064, Feb. 26.

Rapuano, Anthony D., New Haven, assignor to Robertshaw-Fulton Controls Company, Bridgeport, Conn. Automatic temperature control for regulating motor-driven fans. 2,586,992, Feb. 26.

Ray Brothers Co., assignee: *See*—
Carlson, Johan A.

Raytheon Manufacturing Company, assignee: *See*—
Gardner, Bernard C.
Riblet, Henry J.

Records, Elmer H., Tacoma, Wash. Retort. 2,586,862, Feb. 26.

Reents, Heike H., Havelock, Iowa. Hog holder. 2,587,383, Feb. 26.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Oven door construction. 2,587,527, Feb. 26.

Reigh, Clarence J.: *See*—
Hursh, Samuel R., and Reigh.

Reitter, George E.: *See*—
Germer, Lester H., and Reitter.

Reliance Steel Products Company, assignee: *See*—
Braun, Ottwin L.

Republic Aviation Corporation, assignee: *See*—
Melrose, Robert G.

Rettinger, Michael, Encino, Calif., assignor to Radio Corporation of America. Push-pull signaling system. 2,587,219, Feb. 26.

Revco, Inc., assignee: *See*—
Forsthoefel, Gregg F., and Newton.

Reynolds Metals Company, assignee: *See*—
Johnson, Arthur F.

Ribaudo, Andrew A., and J. Orilia, Brooklyn, N. Y. Telephone memorandum device or holder. 2,587,220, Feb. 26.

Riblet, Henry J., Belmont, Mass., assignor to Raytheon Manufacturing Company. Balanced duplexer. 2,586,993, Feb. 26.

Richardson, Garwood C., Chicago, and G. W. Rapp, Glen Ellyn, assignors to Chicago Endocrine Research Company, Chicago, Ill. Pregnancy test. 2,587,221, Feb. 26.

Richardson, William G.: *See*—
Kerr, Hugh M., Richardson, and Logan.

Richter, Henry, assignor to Paramount Textile Machinery Co., Kankakee, Ill. Hosiery drying form. 2,586,994, Feb. 26.

Riester, Wilhelm F. K., London, assignor to Sigmund Pumps Limited, Gateshead, England. Seal between relatively rotatable parts. 2,587,222, Feb. 26.

Robb, Walter Y.: *See*—
Fletcher, Norman, and Robb.

Robbins, James S., Highland Park, Ill. Cutting tool mounting. 2,587,065, Feb. 26.

Roberts, John A., East Lynn, Mass., assignor to General Electric Company. Antihunting temperature sensitive detector. 2,587,384, Feb. 26.

Roberts, Wayne B.: *See*—
Wray, Robert I., and Roberts.

Roberts, Wayne B., Mount Lebanon, assignor to Aluminum Company of America, Pittsburgh, Pa. Water-emulsifiable metallic paste pigments. 2,587,268, Feb. 26.

Robertshaw-Fulton Controls Company, assignee: *See*—
Cate, Paul E.
McKenzie, Neville P.
Rapuano, Anthony D.

Robertson, James A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyfurcate azonitriles. 2,586,995, Feb. 26.

Robertson, John D., Taunton, Mass. Weft-straightening apparatus. 2,587,224, Feb. 26.

Robertson Paper Box Co., Inc., assignee: *See*—
Tyrseck, Walter J.

Robinson, Allen D., Kenosha, Wis. Signal light for fishing lines. 2,587,223, Feb. 26.

Robinson, E. S. & A., Limited, assignee: *See*—
Wills, Stanley C. F.

Robinson, Saul C., Portland, Oreg. Equalizer for artificial dentures. 2,587,528, Feb. 26.

Rockafellow, Stuart C., Farmington, assignor to Weltronic Company, Detroit, Mich. Electrical control system. 2,587,385, Feb. 26.

Rockvam, Arnold, assignee: *See*—
Thompson, John H.

Rockwell, Ronald J., assignor to Crosley Broadcasting Corporation, Cincinnati, Ohio. Arm for holding a stylus for use with sound records. 2,587,529, Feb. 26.

Rockwood, Arthur G.: *See*—
Holveck, Joseph E., and Rockwood.

Rodman, Thomas E., Glencoe, Ill. Random tool rack. 2,587,226, Feb. 26.

Roffey, William A.: *See*—
Mason, James A., and Roffey.

Rolls-Royce Limited, assignee: *See*—
Lombard, Adrian A.

Rose, Jess, Hollister, assignor to Artichokes, Inc., Watsonville, Calif. Preserving artichokes by freezing. 2,586,863, Feb. 26.

Rose, John J., Dayton, Ohio. Spark plug electrode. 2,586,864, Feb. 26.

Roselle, Herbert, Jr., Millville, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Article transfer device for conveyers. 2,586,865, Feb. 26.

Rosenthal, Fritz, Knoxville, Tenn., assignor to Radio Corporation of America. Preparation of polymerizable nonpolar substances. 2,586,996, Feb. 26.

Ross, Olive D., executrix: *See*—
Hansen, William W., and Varian.

Rossi, Giovanni, Valle Lomellina, Italy. Water and fire tube for stream boilers. 2,587,530, Feb. 26.

Rossi, Louis, Bronx, N. Y. Cigarette dispenser. 2,587,225, Feb. 26.

Rounds, Ralph W., Rawlins, Wyo. Corn planter. 2,587,386, Feb. 26.

Roy, George L., Battle Creek, Mich. Counting apparatus. 2,587,066, Feb. 26.

Roy, Maurice, assignor to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France. Sucking in the boundary layers on the surfaces of reaction jet flying machines. 2,587,227, Feb. 26.

Russell, Peter K., Shippensburg, Pa. Air-heating furnace with forced flow air circulating means. 2,587,228, Feb. 26.

Russell, Ralph D.: *See*—
Kuss, Theodore M., and Russell.

Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Disk harrow locking device. 2,587,387, Feb. 26.

Ryder, Thomas J., Jr., Lincoln Park, N. J. Dispensing cap. 2,587,388, Feb. 26.

Rysdon, Max L.: *See*—
Mover, Richard C., Oliver, and Rysdon.

SAIA Aktiengesellschaft fur Schaltapparate, assignee: *See*—
Buser, Theophil.

Sabes, Jean, Anzin, France, assignor to Jaruza, Zurich, Switzerland. Counterbalanced shaker conveyer. 2,587,229, Feb. 26.

Sabo, Joseph D.: *See*—
Gray, Benjamin A., and Sabo.

Sachtleber, Rudolph, East Orange, N. J. Vehicle jack. 2,587,067, Feb. 26.

St. Joseph Lead Company, assignee: *See*—
Havenhill, Robert S., and Carlson.

Salvin, Victor S.: *See*—
Seymour, George W., and Salvin.

Sanders, Clifford E., Maplewood, Mo., assignor, by decree of distribution, to L. K. Sanders. Invalid lift and transfer apparatus. 2,587,068, Feb. 26.

Sanders, Lillie K.: *See*—
Sanders, Clifford E.

Sanitary Products Corporation, assignee: *See*—
Parish, Frank P.

Sankowsky, Nicholas A.: *See*—
Jernakoff, Michael A., Batt, and Sankowsky.

Saxe, Walter E., Pasadena, assignor to The Conveyor Company, Inc., Los Angeles, Calif. Method of and apparatus for proportioning the constituents of materials. 2,587,531, Feb. 26.

Schaad, Theodore A., Detroit, Mich. Hydraulic means for actuating frictional disk clutches. 2,587,230, Feb. 26.

Schach, Albert W., assignor to Barber-Colman Company, Rockford, Ill. Damper. 2,586,997, Feb. 26.

Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. High aperture five-component objective. 2,586,866, Feb. 26.

Scheithe, Arthur C., Chicago, Ill. Hair combing, cleaning, and training device. 2,587,389, Feb. 26.

Schierding, William, Yellow Pine, Idaho. Boring tool. 2,587,231, Feb. 26.

Schlenz, Harry E., Glencoe, assignor to Pacific Flush Tank Company, Chicago, Ill. Apparatus for heating materials. 2,586,998, Feb. 26.

Schluter, Herbert P. O., Brooklyn, N. Y. Cap for grease fittings. 2,587,000, Feb. 26.

Schmader, Thomas, Omaha, Nebr. Shape cutting machine arm. 2,587,232, Feb. 26.

Schmidt, Edwin L., Croton-on-Hudson, assignor to The Teleregister Corporation, New York, N. Y. System for magnetic storage of data. 2,587,532, Feb. 26.
Schoen, Karl, Kew Gardens, and S. M. Gordon, Forest Hills, assignors to Endo Products, Inc., Richmond Hill, N. Y. Riboflavin-formaldehyde reaction product. 2,587,533, Feb. 26.
Schram, Orland L. R., and F. E. Smith, assignors to The Master Electric Company, Dayton, Ohio. Governor. 2,586,867, Feb. 26.
Schrenk, Otto J.: *See*—
Kloser, Martin M., Kimball, and Schrenk.
Schwartz, Everett B., Wauwatosa, Wis., assignor to Western Electric Company, Incorporated, New York, N. Y. Contact sequence test set. 2,586,999, Feb. 26.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Design dyeing apparatus. 2,587,534, Feb. 26.
Schweitzer, Louis, Royal Oak, assignor to Motor Products Corporation, Detroit, Mich. Manually operable control assembly. 2,587,390, Feb. 26.
Schweller, Edmund F., assignor to General Motors Corporation, Dayton, Ohio. Freezing device. 2,587,233, Feb. 26.
Scott, Joseph C., Charlotte, N. C. Automatic bubble forming device. 2,587,535, Feb. 26.
Scott, Joseph C., Charlotte, N. C. Bubble blowing device. 2,587,536, Feb. 26.
Scott, Joseph C., Charlotte, N. C. Bubble blowing apparatus. 2,587,537, Feb. 26.
Scott, Robert C., Belmont, Mass. Thickness-measuring instrument. 2,586,868, Feb. 26.
Sculthorpe, Raymond, Oceanport, N. J., assignor to the United States of America as represented by the Secretary of the Army. Waterproof pilot lamp. 2,586,869, Feb. 26.
Seailles, Jean C., Paris, France. Preparing magnesium hydroxide. 2,587,001, Feb. 26.
Sealol Corporation, assignee: *See*—
Stevens, Justus B., and Bottomley.
Seaman, Henry, Canton, N. C. Solenoid valve. 2,587,538, Feb. 26.
Seaman, Henry, Canton, N. C. Hydraulically balanced valve system. 2,587,539, Feb. 26.
Sears, Daniel S.: *See*—
Westfahl, Jerome C., and Sears.
Seaver, John D., Marblehead, Mass., assignor to General Electric Company. Thermocouple. 2,587,391, Feb. 26.
Sebok, Joseph B., Detroit, Mich., W. H. Browne, and A. E. Pavlish, Columbus, Ohio, assignors to Houdaille-Hershey Corporation, Detroit, Mich. Filter unit for air cleaners. 2,587,234, Feb. 26.
Security Valve Co., assignee: *See*
McRae, Fred W.
Seferlis, Peter J., Princeton, N. J. Hair trimmer. 2,587,235, Feb. 26.
Seid, Edmund: *See*—
Vogel, Snyder, and Seid.
Seismograph Service Corporation, assignee: *See*—
Hawkins, James E., and Baltosser.
Selund, Robert B.: *See*—
Hays, Leonard A., Jr., and Selund.
Settles, James C., and L. E. Furniss, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Friction wedge. 2,587,392, Feb. 26.
Seymour, George W., Cumberland, Md., and V. S. Salvin, Summit, N. J., assignors to Celanese Corporation of America. Anthraquinone dyestuffs. 2,587,002, Feb. 26.
Shaffer, Benjamin H., assignor of one-half to W. A. Shaffer, Dearborn Township, Mich. Grass trimmer. 2,587,393, Feb. 26.
Shaffer, Walter A., assignee: *See*—
Shaffer, Benjamin H.
Shallenberger, Garvin D., Missoula, Mont. Tape spool holder. 2,587,394, Feb. 26.
Shapiro, Gustave, Washington, D. C., and R. O. Stone, Dickerson, Md. Permeability tuner. 2,586,870, Feb. 26.
Sharf, John M.: *See*—
Benner, Joseph A., and Sharf.
Sharron, Samuel P., Brooklyn, N. Y. Pipe bit. 2,587,069, Feb. 26.
Shaver, Forrest W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of alpha-beta unsaturated ketones and aralkyl carboxylic acids. 2,587,540, Feb. 26.
Shawinigan Resins Corporation, assignee: *See*—
Wilson, Wilfred K.
Sheen, Emma E., executrix: *See*—
Sheen, Milton R.
Sheen, Milton R., deceased, Glenside, Pa., by E. E. Sheen, executrix, and I. A. Pennypacker, executor. Stroke control mechanism. 2,587,395, Feb. 26.
Shellmar Products Corporation, assignee: *See*—
Piazze, Thomas E.
Shenk, Eugene R., Brooklyn, and A. Liguori, New York, N. Y., assignors to Radio Corporation of America. Pulse type modulator for facsimile signals. 2,587,541, Feb. 26.
Shields, James R., Penn Township, Allegheny County, Pa. Composite pressure seal. 2,586,871, Feb. 26.
Shina, Frank C., Syracuse, N. Y., assignor to United Board & Carton Corporation. Artificial Christmas tree. 2,587,003, Feb. 26.
Side, Frederick W., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Vibrator. 2,587,236, Feb. 26.
Siegrist, Walter, Saint-Imier, Switzerland. Multispeed gear system. 2,587,004, Feb. 26.
Siekmann, Harld J., and G. J. Kasselmann, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Duplicator attachment for lathes. 2,587,542, Feb. 26.
Sigmund Pumps Limited, assignee: *See*—
Riester, Wilhelm F. K.
Silvagi, Joseph: *See*—
Gotberg, Harry H., and Silvagi.
Sim, Gordon: *See*—
Keyes, George G., and Sim.
Simmons, Jesse D, and L. K., Wichita, Kans. Waterer and feeder device. 2,586,872, Feb. 26.
Simmons, Leon K.: *See*—
Simmons, Jesse D, and L. K.
Simpson, Joseph L.: *See*—
Boaden, Earl T., and Simpson.
Sinaiko, Edwin S., Chicago, Ill. Infant's drinking mug. 2,587,237, Feb. 26.
Sioux Steel Company, assignee: *See*—
Moyer, Richard C., Oliver, and Rysdon.
Siple, Paul A., Arlington, Va. Heat insulating receptacle. 2,586,873, Feb. 26.
Skinner Chuck Company, The, assignee: *See*—
McPherson, Hal W.
Smayda, Eugene J., Jr., University Heights, Ohio. Cabinet construction. 2,587,396, Feb. 26.
Smidth, F. L., & Co., assignee: *See*—
Hellmann, Thorbjorn.
Petersen, Louis S.
Smit, J. K., & Sons, Inc., assignee: *See*—
Koebel, Frank E., and Ollivieri.
Smith, Arthur C., Arlington, Va., assignor of one-half to L. T. Harris, Bethesda, Md. Loader for camera film holders. 2,587,238, Feb. 26.
Smith, Arthur D., Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif. Article handler. 2,586,874, Feb. 26.
Smith, Arthur R.: *See*—
Lee, George A., Smith, and Hopkins.
Smith, Clay M., Orcutt, Calif. Snap type connector for electrical wires. 2,587,239, Feb. 26.
Smith, Frederick E.: *See*—
Schram, Orland L. R., and Smith.
Smith, Frederick U., Chestertown, Md. Rat and mouse exterminator. 2,587,397, Feb. 26.
Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Signal conversion system. 2,587,005, Feb. 26.
Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Signal conversion system. 2,587,006, Feb. 26.
Smith, Luke E., assignor to Quick-Way Truck Shovel Co., Denver, Colo. Hay fork. 2,586,875, Feb. 26.
Smith, Nelson R.: *See*—
Hemperly, William F., and Smith.
Smith, Oliver R., Fort Worth, Tex. Pipe end finishing machine. 2,587,398, Feb. 26.
Smith, Robert E., Bridgeport, Conn., assignor to General Electric Company. Momentary contact electric switch. 2,587,399, Feb. 26.
Smith, Sidney R., Jr.: *See*—
Lincks, George F., and Smith.
Smith, Walter H., Eureka, Ill. Portable foldable chair. 2,587,543, Feb. 26.
Smull, Judson G.: *See*—
Ullmann, Harry M., Smull, and Artim.
Sneddon, John, McKeesport, Pa., assignor to United States Steel Company. Threaded joint capable of being quickly made and broken. 2,577,544, Feb. 26.
Societe Anonyme Andre Citreon, assignee: *See*—
du Rostu, Georges L.
Societe Anonyme de Telecommunications, assignee: *See*—
Dorbec, Lucien.
Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, assignee: *See*—
van Gaver, Georgette.
Société des Brevets Kegresse, S. E. K., assignee: *See*—
Grandgirard, Henri.
Societe Nationale d Etude et de Construction de Moteurs d'Aviation, assignee: *See*—
Roy, Maurice.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Loper, George B., and Heaps.
Southward, Ellis W.: *See*—
Southward, Lisle E. and E. W.
Southward, Lisle E., and E. W., Au Gres, Mich. Fishholder. 2,587,007, Feb. 26.
Southwick, William S., East Lynn, assignor to Thomson Electric Welder Company, Lynn, Mass. Apparatus for winding-up alternate rolls of lengths of welded wire fabric. 2,587,400, Feb. 26.
Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Vacuum cleaner. 2,586,876, Feb. 26.

Specialties Development Corporation, assignee: *See*—
Freygang, Walter H.
Mapes, Daniel.
Parsons, Floyd B.
Spellman, Erick: *See*—
Erickson, Charles, and Spellman.
Spence Engineering Company, Inc., assignee: *See*—
Spence, Paulsen.
Spence, Paulsen, Baton Rouge, La., assignor to Spence Engineering Company, Inc., Walden, N. Y. Float valve and the like. 2,587,401, Feb. 26.
Sperry Corporation, The, assignee: *See*—
Hansen, William W., and Varian.
Harris, Herbert, Jr.
Karlson, John E.
Poitras, Edward J., and Tear.
Spiewak, Ignace J., New York, N. Y. Smoking pipe cleaner. 2,586,877, Feb. 26.
Spillman, Kenneth W., Whittier, Calif. Multiple molding by thermoplastic injection. 2,587,070, Feb. 26.
Sprauer, Jerome W., Roslyn, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Production of calcium hypochlorite. 2,587,071, Feb. 26.
Spreng, Warren M., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Apparatus for spraying. 2,587,240, Feb. 26.
Sproule, Lorne W., and L. F. King, Sarnia, Ontario, Canada, assignors to Sandard Oil Development Company. Rust-preventing lubricant. 2,587,545, Feb. 26.
Stacey, Ernest W.: *See*—
Naugler, Walter E., and Stacey.
Stadelmann, Francisco M., Mexico City, Mexico. Dental appliance. 2,587,008, Feb. 26.
Standard Gage Company, Inc., assignee: *See*—
Bishop, John J., and Boat.
Standard Oil Company, assignee: *See*—
Hays, Leonard A., Jr., and Selund.
Standard Oil Development Company, assignee: *See*—
Adams, Clark E., and Kimberlin.
Baldwin, Francis P.
Crookston, Robert B.
Jernakoff, Michael A., Batt, and Sankowsky.
Kittleson, Allen R., and Gleason.
Matuszak, Alfred H.
Meadors, Victor G.
Sproule, Lorne W., and King.
Vesterdal, Hans G., and Konrad.
Welkart, John.
Standard-Thomson Corporation, assignee: *See*—
Early, Paul F.
Starcher, Paul S.: *See*—
Phillips, Benjamin, and Starcher.
Staton, James C., Corpus Christi, Tex., assignor to Eastman Oil Well Survey Company, Denver, Colo. Drilling apparatus. 2,586,878, Feb. 26.
Stayner, Richard D.: *See*—
Lewis, Allen H., and Stayner.
Steel, Homer J., Milwaukee, Wis. Wheel balancer. 2,587,402, Feb. 26.
Steel Products, Incorporated, assignee: *See*—
Gorshkoff, Alexis S.
Steele, Vernon P., Noroton, Conn., assignor to Kenco Products Corporation, New York, N. Y. Adjustable stroke sirup pump. 2,587,241, Feb. 26.
Stehling, Chas. H., Company, assignee: *See*
Stehling, Ralph J.
Stehling, Ralph J., assignor to Chas. H. Stehling Company, Milwaukee, Wis. Hide and leather working machine. 2,586,879, Feb. 26.
Steingruber, George, Atlanta, Ga. Window construction. 2,587,547, Feb. 26.
Steinhauser, Hayes B., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Resonance indicator. 2,586,880, Feb. 26.
Stelzer, William, Richmond, Va. Fluid pressure operated motor. 2,587,403, Feb. 26.
Stelzer, William, Summit, N. J. Serially operable hydraulic booster. 2,587,404, Feb. 26.
Stevens, Charles M.: *See*—
Nier, Alfred O. C., Thorness, and Stevens.
Stevens, Justus B., East Providence, and F. Bottomley, Barrington, R. I., assignors to Sealol Corporation. Seal for relatively rotating members. 2,587,405, Feb. 26.
Stewart-Warner Corporation, assignee: *See*—
Gross, Irving A.
Stirnkorb, Fred E., assignor to The M B Manufacturing Company, Inc., New Haven, Conn. Driving unit for electromagnetic vibration exciters. 2,586,881, Feb. 26.
Stone, Robert O.: *See*—
Shapiro, Gustave, and Stone.
Stringer, Arthur C., Jackson, Miss. Chance controlled football game board. 2,587,242, Feb. 26.
Stroh, Grace R., Schenectady, assignor to American Cyanamid Company, New York, N. Y. Ion exchange resin combination. 2,586,882, Feb. 26.
Stroh, Grace R., Schenectady, assignor to American Cyanamid Company, New York, N. Y. Stable combination of cation-and anion-exchange resins. 2,586,883, Feb. 26.
Strouse-Baer Company, The, assignee: *See*—
Ellington, Rudolph E.
Sun Oil Company, assignee: *See*—
Quist, Harold A.
Pearson, John M.
Weiss, Eric A.
Sundheim, Peter J., Buffalo, N. Y. Sander for automotive vehicles. 2,587,072, Feb. 26.
Super Mold Corporation of California, assignee: *See*—
Duerksen, Arnold.
Sutherland, Frederick F., Cumberland, Md., assignor to Celanese Corporation of America. Reciprocating reed for loom lay. 2,587,009, Feb. 26.
Swartz, Robert H., New York, N. Y. Compound reciprocating-pulse jet aircraft power plant. 2,587,073, Feb. 26.
Sweetman, William G., Houston, Tex., assignor of an interest to I. J. McCullough, Los Angeles, Calif., and O. J. McCullough, Houston, Tex. Cutting apparatus. 2,587,243, Feb. 26.
Sweetman, William G., Houston, Tex., assignor of an interest to I. J. McCullough, Los Angeles, Calif., and O. J. McCullough, Houston, Tex. Apparatus for cutting pipes within a well. 2,587,244, Feb. 26.
Swern, Daniel: *See*—
Port, William S., Jordan, and Swern.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Color television image reproducing system. 2,587,074, Feb. 26.
Talbert, John W., Hartsville, S. C. Cotton chopper. 2,587,406, Feb. 26.
Tear, James D.: *See*—
Poitras, Edward J., and Tear.
Tebbe, A. T., assignee: *See*—
Husted, Harry A.
Teleregister Corporation, The, assignee: *See*—
Schmidt, Edwin L.
Teletype Corporation, assignee: *See*—
Keyes, George G., and Sim.
Tenney, William L.: *See*—
Black, Leroy E., Marks, and Tenney.
Terre, Victor J., New York, N. Y. Combined mouth speculum and tongue support. 2,587,245, Feb. 26.
Textile and Chemical Research Company Limited, assignee: *See*—
Drisch, Nicolas, and Brepson.
Thévenaz, Jean, Yverdon, assignor to Paillard S. A., Sainte Croix, Switzerland. Mechanism for the intermittent driving of cinematographic films. 2,587,548, Feb. 26.
Thomas & Betts Co., The, assignee: *See*—
Bergan, Martin D.
Thompson, John H., assignor to A. Rockvam, Glendale, Calif. Hose nozzle. 2,587,407, Feb. 26.
Thompson, Richard W., Los Angeles, Calif. Folding sectional article of furniture. 2,587,010, Feb. 26.
Thomson Electric Welder Company, assignee: *See*—
Southwick, William S.
Thorness, Rudolph B.: *See*—
Nier, Alfred O. C., Thorness, and Stevens.
Tice, Reuben S., Monterey, Calif. Cocktail glass cooler and method. 2,587,075, Feb. 26.
Tinnerman Products, Inc., assignee: *See*—
Flora, Laurence H.
Touborg, Jens, Tecumseh, Mich., assignor to Tresco, Inc. Hermetic refrigeration compressor. 2,587,246, Feb. 26.
Townsend Citrus Supply Company, assignee: *See*—
Merrion, Earl P.
Toy, Arthur D. F., Chicago, and L. V. Brown, Riverdale, Ill., assignors to Victor Chemical Works. Copolymers of di beta, gamma unsaturated alkenyl alpha, beta unsaturated alkenylphosphonates with unsaturated alkyd resins. 2,586,884, Feb. 26.
Toy, Arthur D. F., Chicago, and L. V. Brown, Riverdale, Ill., assignors to Victor Chemical Works. Copolymers of beta, gamma unsaturated alkenyl esters of aryl phosphonic acid with unsaturated alkyd resins. 2,586,885, Feb. 26.
Toy Founders, Inc., assignee: *See*—
Gray, Benjamin A., and Sabo.
Trask, Allen, Chicago, Ill. Seal. 2,587,408, Feb. 26.
Trementozzi, Quirino A., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polystyrenes stabilized with organo amidophosphates. 2,587,549, Feb. 26.
Tresco, Inc., assignee: *See*—
Touborg, Jens.
Trion, Inc., assignee: *See*—
Landgraf, George F.
Tryon, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of amino hydroxy compounds by hydrogenation of nitro hydroxy compounds. 2,587,572, Feb. 26.
Tuck, Walter N., South Boston, Va. Retainer for drop wires. 2,587,409, Feb. 26, 1952.
Tucker, George G., Jr., Berwyn, and F. A. Rappleyea, Oak Park, assignors to Hubbard Spool Company, Chicago, Ill. Spool construction. 2,587,011, Feb. 26.
Tuggle, Benjamin P., Atlanta, Ga. Gold separator. 2,587,012, Feb. 26.
Tung-Sol Lamp Works, Inc., assignee: *See*—
Van Riper, Abram H.
Turek, J. W., assignee: *See*—
McFarland, Howard L.
Turner, Estey M., Arcadia, Calif. Twin blade mounting for fans and propellers. 2,587,247, Feb. 26.

Schmidt, Edwin L., Croton-on-Hudson, assignor to The Teleregister Corporation, New York, N. Y. System for magnetic storage of data. 2,587,532, Feb. 26.
Schoen, Karl, Kew Gardens, and S. M. Gordon, Forest Hills, assignors to Endo Products, Inc., Richmond Hill, N. Y. Riboflavin-formaldehyde reaction product. 2,587,533, Feb. 26.
Schram, Orland L. R., and F. E. Smith, assignors to The Master Electric Company, Dayton, Ohio. Governor. 2,586,867, Feb. 26.
Schrenk, Otto J.: *See*—
Kloser, Martin M., Kimball, and Schrenk.
Schwartz, Everett B., Wauwatosa, Wis., assignor to Western Electric Company, Incorporated, New York, N. Y. Contact sequence test set. 2,586,999, Feb. 26.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Design dyeing apparatus. 2,587,534, Feb. 26.
Schweitzer, Louis, Royal Oak, assignor to Motor Products Corporation, Detroit, Mich. Manually operable control assembly. 2,587,390, Feb. 26.
Schweller, Edmund F., assignor to General Motors Corporation, Dayton, Ohio. Freezing device. 2,587,233, Feb. 26.
Scott, Joseph C., Charlotte, N. C. Automatic bubble forming device. 2,587,535, Feb. 26.
Scott, Joseph C., Charlotte, N. C. Bubble blowing device. 2,587,536, Feb. 26.
Scott, Joseph C., Charlotte, N. C. Bubble blowing apparatus. 2,587,537, Feb. 26.
Scott, Robert C., Belmont, Mass. Thickness-measuring instrument. 2,586,868, Feb. 26.
Sculthorpe, Raymond, Oceanport, N. J., assignor to the United States of America as represented by the Secretary of the Army. Waterproof pilot lamp. 2,586,869, Feb. 26.
Seailles, Jean C., Paris, France. Preparing magnesium hydroxide. 2,587,001, Feb. 26.
Sealol Corporation, assignee: *See*—
Stevens, Justus B., and Bottomley.
Seaman, Henry, Canton, N. C. Solenoid valve. 2,587,538, Feb. 26.
Seaman, Henry, Canton, N. C. Hydraulically balanced valve system. 2,587,539, Feb. 26.
Sears, Daniel S.: *See*—
Westfahl, Jerome C., and Sears.
Seaver, John D., Marblehead, Mass., assignor to General Electric Company, Thermocouple. 2,587,391, Feb. 26.
Sebok, Joseph B., Detroit, Mich., W. H. Browne, and A. E. Pavlish, Columbus, Ohio, assignors to Houdaille-Hershey Corporation, Detroit, Mich. Filter unit for air cleaners. 2,587,234, Feb. 26.
Security Valve Co., assignee: *See*—
McRae, Fred W.
Seferlis, Peter J., Princeton, N. J. Hair trimmer. 2,587,235, Feb. 26.
Seid, Edmund: *See*—
Vogel, Snyder, and Seid.
Seismograph Service Corporation, assignee: *See*—
Hawkins, James E., and Baltosser.
Selund, Robert B.: *See*—
Hays, Leonard A., Jr., and Selund.
Settles, James C., and L. E. Furniss, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Friction wedge. 2,587,392, Feb. 26.
Seymour, George W., Cumberland, Md., and V. S. Salvin, Summit, N. J., assignors to Celanese Corporation of America. Anthraquinone dyestuffs. 2,587,002, Feb. 26.
Shaffer, Benjamin H., assignor of one-half to W. A. Shaffer, Dearborn Township, Mich. Grass trimmer. 2,587,393, Feb. 26.
Shaffer, Walter A., assignee: *See*—
Shaffer, Benjamin H.
Shallenberger, Garvin D., Missoula, Mont. Tape spool holder. 2,587,394, Feb. 26.
Shapiro, Gustave, Washington, D. C., and R. O. Stone, Dickerson, Md. Permeability tuner. 2,586,870, Feb. 26.
Sharf, John M.: *See*—
Benner, Joseph A., and Sharf.
Sharron, Samuel P., Brooklyn, N. Y. Pipe bit. 2,587,069, Feb. 26.
Shaver, Forrest W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of alpha-beta unsaturated ketones and aralkyl carboxylic acids. 2,587,540, Feb. 26.
Shawinigan Resins Corporation, assignee: *See*—
Wilson, Wilfred K.
Sheen, Emma E., executrix: *See*—
Sheen, Milton R.
Sheen, Milton R., deceased, Glenside, Pa., by E. E. Sheen, executrix, and I. A. Pennypacker, executor. Stroke control mechanism. 2,587,395, Feb. 26.
Shellmar Products Corporation, assignee: *See*—
Plazze, Thomas E.
Shenk, Eugene R., Brooklyn, and A. Liguori, New York, N. Y., assignors to Radio Corporation of America. Pulse type modulator for facsimile signals. 2,587,541, Feb. 26.
Shields, James R., Penn Township, Allegheny County, Pa. Composite pressure seal. 2,586,871, Feb. 26.
Shina, Frank C., Syracuse, N. Y., assignor to United Board & Carton Corporation. Artificial Christmas tree. 2,587,003, Feb. 26.
Side, Frederick W., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Vibrator. 2,587,236, Feb. 26.
Siegrist, Walter, Saint-Imier, Switzerland. Multispeed gear system. 2,587,004, Feb. 26.
Siekmann, Harld J., and G. J. Kasselmann, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Duplicator attachment for lathes. 2,587,542, Feb. 26.
Sigmund Pumps Limited, assignee: *See*—
Riester, Wilhelm F. K.
Silvagi, Joseph: *See*—
Gotberg, Harry H., and Silvagi.
Sim, Gordon: *See*—
Keyes, George G., and Sim.
Simmons, Jesse D. and L. K., Wichita, Kans. Waterer and feeder device. 2,586,872, Feb. 26.
Simmons, Leon K.: *See*—
Simmons, Jesse D. and L. K.
Simpson, Joseph L.: *See*—
Boaden, Earl T., and Simpson.
Sinaiko, Edwin S., Chicago, Ill. Infant's drinking mug. 2,587,237, Feb. 26.
Sioux Steel Company, assignee: *See*—
Moyer, Richard C., Oliver, and Rysdon.
Siple, Paul A., Arlington, Va. Heat insulating receptacle. 2,586,873, Feb. 26.
Skinner Chuck Company, The, assignee: *See*—
McPherson, Hal W.
Smayda, Eugene J., Jr., University Heights, Ohio. Cabinet construction. 2,587,396, Feb. 26.
Smidth, F. L. & Co., assignee: *See*—
Hellmann, Thorbjorn.
Petersen, Louis S.
Smit, J. K., & Sons, Inc., assignee: *See*—
Koebel, Frank E., and Olivieri.
Smith, Arthur C., Arlington, Va., assignor of one-half to L. T. Harris, Bethesda, Md. Louder for camera film holders. 2,587,238, Feb. 26.
Smith, Arthur D., Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif. Article handler. 2,586,874, Feb. 26.
Smith, Arthur R.: *See*—
Lee, George A., Smith, and Hopkins.
Smith, Clay M., Orcutt, Calif. Snap type connector for electrical wires. 2,587,239, Feb. 26.
Smith, Frederick E.: *See*—
Schram, Orland L. R., and Smith.
Smith, Frederick U., Chestertown, Md. Rat and mouse exterminator. 2,587,397, Feb. 26.
Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Signal conversion system. 2,587,005, Feb. 26.
Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Signal conversion system. 2,587,006, Feb. 26.
Smith, Luke E., assignor to Quick-Way Truck Shovel Co., Denver, Colo. Hay fork. 2,586,875, Feb. 26.
Smith, Nelson R.: *See*—
Hemperly, William F., and Smith.
Smith, Oliver R., Fort Worth, Tex. Pipe end finishing machine. 2,587,398, Feb. 26.
Smith, Robert E., Bridgeport, Conn., assignor to General Electric Company. Momentary contact electric switch. 2,587,399, Feb. 26.
Smith, Sidney R., Jr.: *See*—
Lincks, George F., and Smith.
Smith, Walter H., Eureka, Ill. Portable foldable chair. 2,587,543, Feb. 26.
Smull, Judson G.: *See*—
Ullmann, Harry M., Smull, and Artim.
Sneddon, John, McKeesport, Pa., assignor to United States Steel Company. Threaded joint capable of being quickly made and broken. 2,577,544, Feb. 26.
Societe Anonyme Andre Citreon, assignee: *See*—
du Rostu, Georges L.
Societe Anonyme de Telecommunications, assignee: *See*—
Dorbec, Lucien.
Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, assignee: *See*—
van Gaver, Georgette.
Société des Brevets Kegresse, S. E. K., assignee: *See*—
Grandgirard, Henri.
Societe Nationale d Etude et de Construction de Moteurs d'Aviation, assignee: *See*—
Roy, Maurice.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Loper, George B., and Heaps.
Southward, Ellis W.: *See*—
Southward, Lisle E. and E. W.
Southward, Lisle E., and E. W., Au Gres, Mich. Fishholder. 2,587,007, Feb. 26.
Southwick, William S., East Lynn, assignor to Thomson Electric Welder Company, Lynn, Mass. Apparatus for winding-up alternate rolls of lengths of, welded wire fabric. 2,587,400, Feb. 26.
Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Vacuum cleaner. 2,586,876, Feb. 26.

Specialties Development Corporation, assignee: *See*—
Freygang, Walter H.
Mapes, Daniel.
Parsons, Floyd B.
Spellman, Erick: *See*—
Erickson, Charles, and Spellman.
Spence Engineering Company, Inc., assignee: *See*—
Spence, Paulsen.
Spence, Paulsen, Baton Rouge, La., assignor to Spence Engineering Company, Inc., Walden, N. Y. Float valve and the like. 2,587,401, Feb. 26.
Sperry Corporation, The, assignee: *See*—
Hansen, William W., and Varian.
Harris, Herbert, Jr.
Karlson, John E.
Poltras, Edward J., and Tear.
Spiewak, Ignace J., New York, N. Y. Smoking pipe cleaner. 2,586,877, Feb. 26.
Spillman, Kenneth W., Whittier, Calif. Multiple molding by thermoplastic injection. 2,587,070, Feb. 26.
Sprauer, Jerome W., Roslyn, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Production of calcium hypochlorite. 2,587,071, Feb. 26.
Spreng, Warren M., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Apparatus for spraying. 2,587,240, Feb. 26.
Sproule, Lorne W., and L. F. King, Sarnia, Ontario, Canada, assignors to Sandard Oil Development Company. Rust-preventing lubricant. 2,587,545, Feb. 26.
Stacey, Ernest W.: *See*—
Naugler, Walter E., and Stacey.
Stadelmann, Francisco M., Mexico City, Mexico. Dental appliance. 2,587,008, Feb. 26.
Standard Gage Company, Inc., assignee: *See*—
Bishop, John J., and Boat.
Standard Oil Company, assignee: *See*—
Hays, Leonard A., Jr., and Selund.
Standard Oil Development Company, assignee: *See*—
Adams, Clark E., and Kimberlin.
Baldwin, Francis P.
Crookston, Robert R.
Jernakoff, Michael A., Batt, and Sankowsky.
Kittleson, Allen R., and Gleason.
Matuszak, Alfred H.
Meadors, Victor G.
Sproule, Lorne W., and King.
Vesterdal, Hans G., and Konrad.
Weikart, John.
Standard-Thomson Corporation, assignee: *See*—
Early, Paul F.
Starcher, Paul S.: *See*—
Phillips, Benjamin, and Starcher.
Staton, James C., Corpus Christi, Tex., assignor to Eastman Oil Well Survey Company, Denver, Colo. Drilling apparatus. 2,586,878, Feb. 26.
Stayner, Richard D.: *See*—
Lewis, Allen H., and Stayner.
Steel, Homer J., Milwaukee, Wis. Wheel balancer. 2,587,402, Feb. 26.
Steel Products, Incorporated, assignee: *See*—
Gorshkoff, Alexis S.
Steele, Vernon P., Noroton, Conn., assignor to Kenco Products Corporation, New York, N. Y. Adjustable stroke sirup pump. 2,587,241, Feb. 26.
Stehling, Chas. H., Company, assignee: *See*
Stehling, Ralph J.
Stehling, Ralph J., assignor to Chas. H. Stehling Company, Milwaukee, Wis. Hide and leather working machine. 2,586,879, Feb. 26.
Steingruber, George, Atlanta, Ga. Window construction. 2,587,547, Feb. 26.
Steinhauser, Hayes B., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Resonance indicator. 2,586,880, Feb. 26.
Stelzer, William, Richmond, Va. Fluid pressure operated motor. 2,587,403, Feb. 26.
Stelzer, William, Summit, N. J. Serially operable hydraulic booster. 2,587,404, Feb. 26.
Stevens, Charles M.: *See*—
Nier, Alfred O. C., Thorness, and Stevens.
Stevens, Justus B., East Providence, and F. Bottomley, Barrington, R. I., assignors to Sealol Corporation. Seal for relatively rotating members. 2,587,405, Feb. 26.
Stewart-Warner Corporation, assignee: *See*—
Gross, Irving A.
Stirnkorb, Fred E., assignor to The M B Manufacturing Company, Inc., New Haven, Conn. Driving unit for electromagnetic vibration exciters. 2,586,881, Feb. 26.
Stone, Robert O.: *See*—
Shapiro, Gustave, and Stone.
Stringer, Arthur C., Jackson, Miss. Chance controlled football game board. 2,587,242, Feb. 26.
Stroh, Grace R., Schenectady, assignor to American Cyanamid Company, New York, N. Y. Ion exchange resin combination. 2,586,882, Feb. 26.
Stroh, Grace R., Schenectady, assignor to American Cyanamid Company, New York, N. Y. Stable combination of cation-and anion-exchange resins. 2,586,883, Feb. 26.
Strouse-Baer Company, The, assignee: *See*—
Ellington, Rudolph E.
Sun Oil Company, assignee: *See*—
Quist, Harold A.
Pearson, John M.
Weiss, Eric A.
Sundheim, Peter J., Buffalo, N. Y. Sander for automotive vehicles. 2,587,072, Feb. 26.
Super Mold Corporation of California, assignee: *See*—
Duerksen, Arnold.
Sutherland, Frederick F., Cumberland, Md., assignor to Celanese Corporation of America. Reciprocating reed for loom lay. 2,587,009, Feb. 26.
Swartz, Robert H., New York, N. Y. Compound reciprocating-pulse jet aircraft power plant. 2,587,073, Feb. 26.
Sweetman, William G., Houston, Tex., assignor of an interest to I. J. McCullough, Los Angeles, Calif., and O. J. McCullough, Houston, Tex. Cutting apparatus. 2,587,243, Feb. 26.
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Poltras, Edward J., and Tear.
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Husted, Harry A.
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Keyes, George G., and Sim.
Tenney, William L.: *See*—
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Nier, Alfred O. C., Thorness, and Stevens.
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Tung-Sol Lamp Works, Inc., assignee: *See*—
Van Riper, Abram H.
Turek, J. W., assignee: *See*—
McFarland, Howard L.
Turner, Estey M., Arcadia, Calif. Twin blade mounting for fans and propellers. 2,587,247, Feb. 26.

Turner, John W., assignor to United States Radiator Corporation, Detroit, Mich. Baseboard radiator. 2,587,410, Feb. 26.

Turner, Leroy F., West Palm Beach, Fla. Device for varying the length of gunstocks. 2,587,248, Feb. 26.

Tyrseck, Walter J., assignor to Robertson Paper Box Co., Inc., Montville, Conn. Display container. 2,586,886, Feb. 26.

Ullmann, Harry M., deceased: by R. M. Ullmann, executrix, and J. G. Smull, Bethlehem, Pa., and E. Artim, Yancey Mills, Va.; said Artim assignor of one-sixth to said R. M. Ullmann, executrix, and one-sixth to said J. G. Smull. Acyclic olefinic acid condensation product of polyhydric alcohol compound. 2,587,411, Feb. 26.

Ullmann, Rachel M., executrix, assignee: *See*—
Ullmann, Harry M., Smull, and Artim.

Ulmer, Richard C., Tuckahoe, assignor to E. F. Drew & Co., Inc., New York, N. Y. Prevention of corrosion in steam lines. 2,587,249, Feb. 26.

Ulrich, Carl E., Modesto, Calif. Combination pocket toilet article. 2,587,350, Feb. 26.

Unger, Magnus, Pittsfield, Mass, assignor to General Electric Company. Hydraulic thermostatic mechanism for electric induction apparatus. 2,587,412, Feb. 26.

Union Asbestos & Rubber Company, assignee: *See*—
Breen, Henry D.

Union Carbide and Carbon Corporation, assignee: *See*—
Hemperly, William F., and Smith.
Knewstubb, Norman W., and Jenkins.
Patch, George W., Jr., and Van Vleet.
Phillips, Benjamin, and Starcher.

United Board & Carton Corporation, assignee: *See*—
Shina, Frank C.

United Metal Seal Company, assignee: *See*—
Lindstrom, Andrew E.

United Shoe Machinery Corporation, assignee: *See*—
Garratt, Leslie, and White.
Naugler, Walter E., and Stacey.
Olson, Arthur R., McMillan, and Davis.

United States Radiator Corporation, assignee: *See*—
Turner, John W.

United States Rubber Company, assignee: *See*—
Barton, Bernard C., and Auer.
Bevilacqua, Edward M.
Hunter, Byron A.

United States Steel Company, assignee: *See*—
Hartney, James L.
Sneddon, John.

United States Steel Corporation, assignee: *See*—
Coleman, William E.

Upjohn Company, The, assignee: *See*—
Moffett, Robert B.

Urban, Walter D.: *See*—
Arditi, Maurice, and Urban.

Valgiusti, Serafino, Milan, Italy, assignor to Montecatini Societa Generale Per L'Industria Mineraria e Chimica Anonima. Multiple blade sawing machine for cutting marble and stones. 2,587,250, Feb. 26.

Vander Heyden, Bernard A., Milwaukee, Wis. Vented core and mold assembly for molding machines. 2,587,413, Feb. 26.

Van der Willigen, Paul C., Eindhoven, Netherelands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric arc welding. 2,587,251, Feb. 26.

Van Gaver, Georgette, Lyon, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Benzilmonohydrazon blowing-agent for preparing porous thermoplastic resins. 2,586,887, Feb. 26.

Van Riper, Abram H., Oley, Pa., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Thermostatic switch. 2,587,351, Feb. 26.

Van Valkenburg, Howard E., and M. S. Wasserman, Schenectady, N. Y., assignors to General Electric Company. Ultrasonic materials testing. 2,587,414, Feb. 26.

Vanvick, Isak, Minneapolis, Minn. Snowplow. 2,587,415, Feb. 26.

Van Vleet, James G.: *See*—
Patch, George W., Jr., and Van Vleet.

Van Weenen, Franciscus L., and H. de Brey, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Forming wire filling for regenerator. 2,587,252, Feb. 26.

Varela, Arthur A., Washington, D. C. Echo ranging and identification system. 2,586,888, Feb. 26.

Varian, Russell H.: *See*—
Hansen, William W., and Varian.

Vedder, Walter O., assignor to Pangborn Corporation, Hagerstown, Md. Dust collector. 2,587,416, Feb. 26.

Vedder, Walter O., assignor to Pangborn Corporation, Hagerstown, Md. Radial flow wet dust collector. 2,587,417, Feb. 26.

Vedensky, Dmitri N., Berkeley, Calif., assignor to Pacific Bridge Company. Obtaining chromic oxide from a chromate ore. 2,587,552, Feb. 26.

Vernam, Gilbert S., Hackensack, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph switching system. 2,587,253, Feb. 26.

Verson Allsteel Press Company, assignee: *See*—
Verson, John, and Kassnel.

Verson, John, and N. Kassnel, assignors to Verson Allsteel Press Company, Chicago, Ill. Punch press. 2,587,076, Feb. 26.

Vesterdal, Hans G., and W. A. Konrad, Elizabeth, N. J., assignors to Standard Oil Development Company. Separation of straight-chain from branched-chain hydrocarbons. 2,586,889, Feb. 26.

Vickers Incorporated, assignee: *See*—
Gardiner, Duncan B., and Erskine.
Postel, Kenneth I.

Victor Chemical Works, assignee: *See*—
Toy, Arthur D. F., and Brown.
Woodstock, Willard H.

Victoreen Instrument Company, The, assignee: *See*—
Victoreen, John A.

Victoreen, John A., assignor to The Victoreen Instrument Company, Cleveland, Ohio. Indicating pocket ionization chamber. 2,587,254, Feb. 26.

Vinco Corporation, assignee: *See*—
Osplack, Joseph J.

Vogel, Edward A., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Circuit breaker unit. 2,587,013, Feb. 26.

Vogel, Snyder, and E. Seid, Dallas, Tex. Portable baby bed. 2,587,255, Feb. 26.

Voss, Elizabeth, New York, N. Y. Calendar and indicator. 2,586,890, Feb. 26.

Vroom, Edward, Ossining, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Charge and tax determining equipment for telephone systems. 2,587,014, Feb. 26.

Wahl Brothers, assignee: *See*—
Wahl, Nicholas A.

Wahl, Eugene A.: *See*—
Badenhausen, Otto A., Wahl, and Boehl.

Wahl, Nicholas A., assignor to Wahl Brothers, New York, N. Y. Separable fastener assembly. 2,586,891, Feb. 26.

Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Mounting means for electric motors. 2,587,418, Feb. 26.

Walter, Gustave, Jersey City, N. J. Clutch and brake for marine reverse gears. 2,587,015, Feb. 26.

War, United States of America as represented by the Secretary of, assignee: *See*—
Epler, Robin B., and Woodberry.
Monro, Randolph, Brown, Hinkamp, and Parduhn.
Rabinow, Jacob.
Williams, Everard M., and Gardner.

Ward Canning Company, assignee: *See*—
Ward, Leila B. S.

Ward, Leila B. S., assignor to Ward Canning Company, Vernon, N. Y. Bean picker. 2,587,553, Feb. 26.

Warren, Luther A.: *See*—
Elvin, William J., and Warren.

Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,587,575, Feb. 26.

Washburn, Neil E., Chicago, Ill., assignor, by mesne assignments, to Lytle Engineering & Mfg. Co. Television tuner. 2,587,419, Feb. 26.

Wasserman, Moe S.: *See*—
Van Valkenburg, Howard E., and Wasserman.

Watkin, Robert W., assignee: *See*—
Allen, Howard G., Watkin, Kufel, and Fisher.

Watt, Raymond B., Washington, D. C. Internally expanding brake. 2,587,256, Feb. 26.

Watts, Raymond, assignor to American Steel Foundries, Chicago, Ill. Shock absorber. 2,587,016, Feb. 26.

Weber, Nelson H., and R. W. Hept, Bronson, Mich., assignors to Kingston Products Corporation, Kokomo, Ind. Waterproof switch assembly. 2,586,892, Feb. 26.

Weber, William F., assignor to Armour and Company, Chicago, Ill. Lubrication of conveyer apparatus for meat. 2,587,017, Feb. 26.

Welkart, John, Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for stripping finely dilvded solids. 2,587,554, Feb. 26.

Welsblatt, Isaac, New Rochelle, N. Y. Fishing reel brake. 2,587,257, Feb. 26.

Welsfeldt, Max J., New York, N. Y. Apparatus to record images of moving subjects. 2,587,018, Feb. 26.

Weiss, Eric A., Springfield Township, Delaware County, assignor to Sun Oil Company, Philadelphia, Pa. Mass spectrometer. 2,587,555, Feb. 26.

Weiss, Max, and S. Natelson, Brooklyn, N. Y. Apparatus for preparing concentrates. 2,587,556, Feb. 26.

Welch, Thomas R., Los Angeles, Calif. Relay. 2,587,557, Feb. 26.

Weltronic Company, assignee: *See*—
Rockafellow, Stuart C.

Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Linearity control for cathode-ray tubes. 2,587,420, Feb. 26.

Werkspoor N. V., assignee: *See*—
De Vries, Gerbertus H.

Werner, Frank R., assignor to The National Cash Register Company, Dayton, Ohio. Voucher card machine release interlock. 2,587,019, Feb. 26.

Western Electric Company, Incorporated, assignee: *See*—
Brewer, Robert F., and Henderson.
Hubers, Herman W., Jr.
Schwartz, Everett B.

Western Union Telegraph Company, The, assignee: *See*—
Vernam, Gilbert S.
Wilder, Harold F.

Westfahl, Jerome C., Trumansburg, N. Y., and D. S. Sears, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of novel 2-carboalkoxy-1,3-butadienes and polymers thereof. 2,587,558, Feb. 26.

Western Electric Company, Incorporated, assignee: *See*—
Kivley, Ray C., and Windsor.

Westinghouse Air Brake Company, assignee: *See*—
Gorman, Andrew T.
Kelley, Cecil S.
Lewis, Wilbur M.
Newell, George K.

Westinghouse Electric Corporation, assignee: *See*—
Dailey, Hampton J., and Borzin.
Dunlop, James, and Durang.

Westling, Lester L., Oakland, Calif. Method and apparatus for transporting and storing frozen comestibles. 2,586,893, Feb. 26.

Wetherbee, Franklin C., Middle Haddam, Conn. Box for flatware. 2,587,559, Feb. 26.

White Aircraft Corporation, assignee: *See*—
Goodell, Ralph W.

White, Percy: *See*—
Garratt, Leslie, and White.

Whitman, Dudley A., Miami Beach, Fla. Saucer. 2,587,259, Feb. 26.

Whitney, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for molecular distillation. 2,587,260, Feb. 26.

Wicker, Dan B., G. C. Yehling, Jr., and J. W. Moody, Dunbar, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Alkali cellulose temperature control. 2,587,020, Feb. 26.

Widmer, René, Geneva, Switzerland. Spring actuated lock nut. 2,587,560, Feb. 26.

Wilder, Harold F., Wyckoff, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph signal bias meter. 2,587,561, Feb. 26.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Method and apparatus for dressing grinding wheels. 2,587,261, Feb. 26.

Wilkinson, Clarence M., Akron, Ohio. Hand or foot operated closure for laundry, rubbish, and like chutes. 2,587,021, Feb. 26.

Wilkinson, Read A., Nampa, Idaho. Beet cleaning apparatus. 2,587,258, Feb. 26.

Willach, Bernhard, assignor to Jas. P. Marsh Corporation, Chicago, Ill. Release valve. 2,587,421, Feb. 26.

Williams, Eda, and L. Griser, New York, N. Y. Curtain rod control. 2,587,563, Feb. 26.

Williams, Everard M., Ellwood City, and B. R. Gardner, Jr., State College, Pa., assignors to the United States of America as represented by the Secretary of War. Radio receiver. 2,586,894, Feb. 26.

Williams, Paul, Burien, Wash. Automatic distress signaling device. 2,587,564, Feb. 26.

Williams, Willard P.: *See*—
Woods, Frederick E., and Williams.

Willoughby, Eric O., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Frequency converter for radio receiving systems. 2,586,895, Feb. 26.

Wills, Stanley C. F., assignor to E. S. & A. Robinson, Limited, Bristol, England. Machine for the manufacture of paper bags. 2,587,422, Feb. 26.

Willson Products, Inc., assignee: *See*—
Hoffmaster, George R.

Wilson, Andrew N., Colonia, and S. A. Harris, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparing pyridine analog of thiamin. 2,587,262, Feb. 26.

Wilson, Wilfred K., assignor to Shawinigan Resins Corporation, Springfield, Mass. Continuous emulsion polymerization procesa for vinyl acetate. 2,587,562, Feb. 26.

Windsor, Charles A.: *See*—
Kivley, Ray C., and Windsor.

Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, as trustee. Labyrinth seal. 2,587,077, Feb. 26.

Winther, Martin P., trustee, assignee: *See*—
Winther, Anthony.

Wirz, A. H., Inc., assignee: *See*—
Lay, John L.

Wisconsin Motor Corporation, assignee: *See*—
Milbrath, Arthur F.

Wittlin, Emanuel, Chicago, Ill. Machine for die-casting and injection molding. 2,586,896, Feb. 26.

Wm. Bros Boiler & Manufacturing Co., assignee: *See*—
Guignard, Ulyss O.

Wolf, Mark A.: *See*—
Doty, Alfred E., Johnson, Mussell, and Wolf.

Wollner, Paul, Weehawken, N. J. Vaporizing type oil burner apparatus. 2,587,078, Feb. 26.

Wood, Harry M., Washington, D. C. Fish lure. 2,587,264, Feb. 26.

Woodberry, David L.: *See*—
Epler, Robin B., and Woodberry.

Woods, Frederick E., and W. P. Williams, Seattle, Wash., assignors to Boeing Airplane Company. Multiple scale graphic recording mechanism. 2,587,079, Feb. 26.

Woodstock, Willard H., Crete, Ill., assignor to Victor Chemical Works. Detergent composition. 2,586,897, Feb. 26.

Woodward, Clarence M., Washington, D. C. Ink reservoir for lettering pens. 2,586,898, Feb. 26.

Wortelmann, Gustav A., Chicago, Ill. Toggle-actuated slidable jaw wrench. 2,587,263, Feb. 26.

Worthington Pump and Machinery Corporation, assignee: *See*—
Holveck, Joseph E., and Rockwood.

Wray, Robert L., New Kensington, and W. B. Roberts, Mount Lebanon, assignors to Aluminum Company of America, Pittsburgh, Pa. Water emulsifiable metallic paste pigments. 2,587,266, Feb. 26.

Wray, Robert L., New Kensington, and W. B. Roberts, Mount Lebanon, assignors to Aluminum Company of America, Pittsburgh, Pa. Water-emulsifiable metallic paste pigments. 2,587,267, Feb. 26.

Wright, Walter F., Onawa, Iowa. Vehicle ramp. 2,587,265, Feb. 26.

Wrisley, Allen B., Company, assignee: *See*—
Balla, John, Jr.

Wylie, Donald L.: *See*—
Jett, Carl O., and Wylie.

Wynne, Dominic J., Baltimore, Md., assignor to Essex Research Corporation, Wilmington, Del. Desulfurizing process. 2,587,573, Feb. 26.

Yanikoski, Florian F., Chicago Heights, Ill. Gas analysis apparatus. 2,586,899, Feb. 26.

Yehling, George C., Jr.: *See*—
Wicker, Dan B., Yehling, and Moody.

Yerkes, John A., New York, N. Y. Cabinet record holder. 2,587,269, Feb. 26.

Yonkers, Edward H., Jr., Glencoe, Ill. Suction cleaner. 2,587,565, Feb. 26.

Young, Harold, assignee: *See*—
Mace, James W.

Young, Philip, Brooklyn, assignor to Neo-Ray Products, Inc., New York, N. Y. Lighting fixture with adjustable light shields. 2,587,423, Feb. 26.

Young, Vernon V., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Penicillin salt of (1,1-dimethyl-2-hydroxypropyl) amine. 2,587,574, Feb. 26.

Young, William C., assignee: *See*—
Mace, James W.

Youngstown Steel Door Company, The, assignee: *See*—
Lute, Carl.

Zeman, Arthur J., South Euclid, Ohio. Lawn rake. 2,587,424, Feb. 26.

Zentmyer, David T.: *See*—
Breuer, Frederick W., and Zentmyer.

Zick, Leonard P.: *See*—
Moyer, Frederick D., and Zick.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF FEBRUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Mass spectrometry. H. W. Washburn. Re. 23,464, Feb. 26.
Producing oxygen. F. J. Jenny and E. G. Scheibel. Re. 23,463, Feb. 26.

LIST OF PLANT INVENTIONS

Rose plant. E. P. Dering. 1,076, Feb. 26.

LIST OF DESIGN INVENTIONS

Belt sander. F. W. Moore. 166,045, Feb. 26.
Bottle. E. M. Barq. 166,017, Feb. 26.
Bottle. F. Smith. 166,052, Feb. 26.
Bottle, Serving. M. A. Weisbrot. 166,057, Feb. 26.
Buckle. V. Milstein. 166,044, Feb. 26.
Cabinet for television receiving set. J. D. Portanova. 166,047, Feb. 26.
Card or the like, Greeting. E. J. Jones. 166,038, Feb. 26.
Card or the like, Informal. E. J. Jones. 166,037, Feb. 26.
Chair. L. E. Rudin and R. S. Schwartz. 166,049, Feb. 26.
Chair, Child's rocking. B. F. Hamilton. 166,035, Feb. 26.
Clockcase. L. I. Bruce. 166,026, Feb. 26.
Doll, Puppet. L. C. Secter. 166,051, Feb. 26.
Envelope moistener. J. C. Vollmert. 166,056, Feb. 26.
Gas burner. H. D. Du Fault. 166,032, Feb. 26.
Gravy boat. C. O. Bliss. 166,022, Feb. 26.
Grille guard, Automobile. H. M. Jenkins, Jr. 166,036, Feb. 26.
Holder, Combination coin and cigarette. N. P. Andrews. 166,015, Feb. 26.
Holder, Television and radio program. E. A. La Plante. 166,040, Feb. 26.
Lighting fixture for signs. G. W. Gray. 166,034, Feb. 26.
Link chain for a bracelet or the like, Expansible. S. Meyerson. 166,042, Feb. 26.
Massager. O. N. Sandholm. 166,050, Feb. 26.
Mat, Bathtub safety. H. Langensiepen. 166,039, Feb. 26.
Meter, Parking. A. E. Voss. 166,059, Feb. 26.
Motor, Electric. R. W. Dochterman. 166,030, Feb. 26.
Necktie. H. K. Birkestol. 166,018–21, Feb. 26.
Necktie. L. Tarmon. 166,054, Feb. 26.
Ornament or the like, Christmas tree. M. S. Douglas. 166,031, Feb. 26.
Plate. U. H. Despres. 166,028, Feb. 26.
Plate or similar article, Dinner. E. M. Otis. 166,046, Feb. 26.
Polishing machine, Floor. E. L. Verhagen. 166,055, Feb. 26.
Roof mounting bracket for automobile visors. R. E. Dieterich. 166,029, Feb. 26.
Sandal or similar article. W. Braun. 166,025, Feb. 26.
Settee. R. D. Williams. 166,058, Feb. 26.
Shoe or similar article. W. Braun. 166,024, Feb. 26.
Slipper and sock, Combined. L. M. Spack. 166,053, Feb. 26.
Spectacle frame or the like. J. W. Curry. 166,027, Feb. 26.
Stand or similar article, Music. B. J. Flood and C. D. Welshenbach. 166,033, Feb. 26.
Table, Portable lawn. R. M. Rink. 166,048, Feb. 26.
Telephone attachment, Lapsed time. G. B. Miller. 166,043, Feb. 26.
Toy figure. J. M. Auzin. 166,016, Feb. 26.
Tumbling machine. R. E. Bogema. 166,023, Feb. 26.
Vehicle cab. F. A. Lee. 166,041, Feb. 26.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF FEBRUARY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abdominal supporting belt. F. S. Ericsson. 2,587,450, Feb. 26.
Accessory for curtain drapes. O. Lipetz. 2,587,492, Feb. 26.
Acrylamides, Production of. B. Phillips and P. S. Starcher. 2,587,209–10, Feb. 26.
Acyclic olefinic acid condensation product of polyhydric alcohol compound. H. M. Ullmann, J. G. Smull, and E. Artim. 2,587,411, Feb. 26.
Adding emulsifying agents to prepared ice cream mixes. N. H. Nash. 2,587,369, Feb. 26.
Adjustable broach holder. N. H. Iversen. 2,587,570, Feb. 26.
Adjustable hospital table. N. O. Berg and A. M. Budnick. 2,587,094, Feb. 26.
Adjustable power-driven tool support. A. Peplow. 2,587,520, Feb. 26.
Adjustable side-jaw wrench. S. E. G. Hogstadius. 2,587,320, Feb. 26.
Adjustable stroke sirup pump. V. P. Steele. 2,587,241, Feb. 26.
Airplane with variable incidence slotted wing and arrow-like behavior about the lateral axis. S. J. Milâns. 2,587,359, Feb. 26.
Alkali cellulose temperature control. D. B. Wicker, G. C. Yehlin, Jr., and J. W. Moody. 2,587,020, Feb. 26.
Alkyd-polysiloxane resins. C. D. Doyle and H. C. Nelson, Jr. 2,587,295, Feb. 26.
Alkylthiosulfenyl dithiocarbamates as vulcanization accelerators. C. M. Himel and L. O. Edmonds. 2,586,769, Feb. 26.
All stock control gate. L. R. Hively. 2,587,318, Feb. 26.
Alpha-beta unsaturated ketones and aralkyl carboxylic acids, Preparation of. F. W. Shaver. 2,587,540, Feb. 26.
Amides of alkylenimines and β-keto acids and producing the same. G. D. Jones. 2,587,329, Feb. 26.
Amino hydroxy compounds by hydrogenation of nitro hydroxy compounds, Production of. P. F. Tryon. 2,587,572, Feb. 26.
Amplifier, Mechanical torque. E. Gretener and K. Ehrat. 2,586,941, Feb. 26.
Amusement device for testing a person's timing ability. V. A. Peterson. 2,587,381, Feb. 26.
Animal trap. J. W. Mace. 2,587,349, Feb. 26.
Animal trap. C. A. Maxwell, C. F. Lutton, and L. A. Besha. 2,587,500, Feb. 26.
Antenna. I. A. Gross. 2,587,146, Feb. 26.
Anthraquinone dyestuffs. G. W. Seymour and V. S. Salvin. 2,587,002, Feb. 26.
Antihunting temperature sensitive detector. J. A. Roberts. 2,587,384, Feb. 26.
Apparatus for atomizing fluids. C. Andermatt. 2,587,083, Feb. 26.
Apparatus for atomizing fuel in open-hearth furnaces. J. L. Hartney. 2,587,153, Feb. 26.
Apparatus for cutting pipes within a well. W. G. Sweetman. 2,587,244, Feb. 26.
Apparatus for drawing glass fibers. R. R. Bastian and G. Berkebile. 2,586,774, Feb. 26.
Apparatus for governing fluid flow. A. O. C. Nier, R. B. Thorness and C. M. Stevens. 2,586,984, Feb. 26.
Apparatus for heating materials. H. E. Schlenz. 2,586,998, Feb. 26.
Apparatus for internal magnetic and mechanical inspection of pipes and the like. F. Huhn. 2,587,476, Feb. 26.
Apparatus for lubricating internal-combustion engines. H. R. Meyer. 2,587,060, Feb. 26.
Apparatus for molecular distillation. W. B. Whitney. 2,587,260, Feb. 26.
Apparatus for preparing concentrates. M. Weiss and S. Natelson. 2,587,556, Feb. 26.
Apparatus for preventing backflow of liquid. M. H. Grove. 2,586,942, Feb. 26.
Apparatus for regulating the flow of thixotropic colloids and the like. W. E. McFadden. 2,587,188, Feb. 26.
Apparatus for separating sugar beets or the like from heavier articles such as rocks, sand and mud. C. F. McNerny, M. S. Davidson, and L. N. Jeffries. 2,586,846, Feb. 26.
Apparatus for setting-up box blanks. D. Levkoff. 2,587,050, Feb. 26.
Apparatus for spinning artificial filaments. H. J. McDermott. 2,586,970, Feb. 26.
Apparatus for spraying. W. M. Spreng. 2,587,240, Feb. 26.
Apparatus for stripping finely divided solids. J. Weikart. 2,587,554, Feb. 26.
Apparatus for the treatment of filamentary materials. W. J. Elvin and L. A. Warren. 2,586,800, Feb. 26.
Apparatus for treating bulk material. L. S. Petersen. 2,587,379, Feb. 26.
Apparatus for treating meat and the like. F. J. Avery. 2,587,024, Feb. 26.
Apparatus for vulcanizing annular articles. E. A. Davis and R. R. Ambler. 2,587,119, Feb. 26.
Apparatus for winding rolls. J. B. Kohler. 2,586,832, Feb. 26.
Apparatus for winding-up alternate rolls of lengths of welded wire fabric. W. S. Southwick. 2,587,400, Feb. 26.
Apparatus of the gyroplane type. L. Breguet. 2,587,104, Feb. 26.
Apparatus to record images of moving subjects. M. J. Weisfeldt. 2,587,018, Feb. 26.
Archery range with movable target. W. R. Keller. 2,586,958, Feb. 26.
Arm for holding a stylus for use with sound records. R. J. Rockwell. 2,587,529, Feb. 26.
Arming cover for fuses. J. Rabinow. 2,586,861, Feb. 26.
Armrest, Portable. A. S. Fawcett. 2,587,302, Feb. 26.
Article distributing machine. C. Page. 2,586,988, Feb. 26.
Article handler. A. D. Smith. 2,586,874, Feb. 26.
Article of furniture, Folding sectional. R. W. Thompson. 2,587,010, Feb. 26.
Article sorting device. C. F. Anderson. 2,587,272, Feb. 26.
Article support and the like. G. C. Henry. 2,587,316, Feb. 26.
Article transfer device for conveyers. H. Roselle, Jr. 2,586,865, Feb. 26.
Artificial bait. H. L. McFarland. 2,587,189, Feb. 26.
Artificial Christmas tree. A. Dattilo. 2,586,791, Feb. 26.
Artificial Christmas tree. F. C. Shina. 2,587,003, Feb. 26.
Atmospheric pressure regulator. W. R. Paulsen. 2,587,375, Feb. 26.
Automatic control of wave form. G. L. Grundmann. 2,587,313, Feb. 26.
Automatic distress signaling device. P. Williams. 2,587,564, Feb. 26.
Automatic electric setwork assembly. A. R. Brown. 2,587,438, Feb. 26.
Automatic machine for measuring granular materials. G. A. Lee, A. R. Smith, and C. J. Hopkins. 2,587,338, Feb. 26.
Automatic mortising and tenoning machine. H. J. Eck. 2,586,798, Feb. 26.
Automobile assembly kit, Model. B. A. Gray and J. D. Sabo. 2,587,142, Feb. 26.
Automotive power plant with air preheater and reverse axial flow through combustion chamber to power and compressor turbines. J. R. McVeigh. 2,587,057, Feb. 26.
Bag: *See*—
Fruit picker's bag. Golf bag.
Bakers' cheese, Manufacture of. M. M. Kloser, T. L. Kimball, and O. J. Schrenk. 2,586,830, Feb. 26.
Balanced duplexer. H. J. Riblet. 2,586,993, Feb. 26.
Ball cock. J. J. Delany and E. C. Baisel. 2,587,032, Feb. 26.
Ballast tamping apparatus. S. R. Hursh and C. J. Reigh. 2,587,324, Feb. 26.
Bailing gun. C. N. Mitchell. 2,587,364, Feb. 26.
Bean picker. L. B. S. Ward. 2,587,553, Feb. 26.
Bearing: *See*—
Wringer bearing.
Bed guard, Folding. J. B. Des Rochers. 2,587,291, Feb. 26.
Bed, Portable baby. S. Vogel and E. Seid. 2,587,255, Feb. 26.
Beet cleaning apparatus. R. A. Wilkinson. 2,587,258, Feb. 26.
Belt conveyer system. R. M. Buckeridge. 2,586,782, Feb. 26.
Benzilmonohydrazon blowing-agent for preparing porous thermoplastic resins. G. van Gaver. 2,586,887, Feb. 26.
Bit *See*—
Drag bit. Pipe bit.
Blade sawing machine for cutting marble and stones, Multiple. S. Valgiusti. 2,587,250, Feb. 26.
Blast hole drilling apparatus. C. F. Ball. 2,586,773, Feb. 26.
Bleaching wood pulp. W. H. Rapson. 2,587,064, Feb. 26.

Board: *See*—
Chance controlled football game board.
Bonding of isobutylene-isoprene copolymer to brass. F. P. Baldwin. 2,587,430, Feb. 26.
Boring tool. W. Schlerding. 2,587,231, Feb. 26.
Bottom tap ladle mechanism. E. W. Carter. 2,587,110, Feb. 26.
Box: *See*
Stuffing box.
Box for flatware. F. C. Wetherbee. 2,587,559, Feb. 26.
Box spring bundle. W. F. Caster. 2,587,112, Feb. 26.
Brace, Knee-supporting. F. J. Jovick. 2,587,166, Feb. 26.
Bracket: *See*—
Spinneret supporting bracket.
Brake: *See*—
Fishing reel brake.
Internally expanding brake.
Brake equipment, Fluid pressure. W. M. Lewis. 2,587,051, Feb. 26.
Brake for railway cars, Hand. L. A. Marquardt and C. E. Gorton. 2,586,969, Feb. 26.
Brake mechanism, Hand. E. C. Mersereau. 2,587,059, Feb. 26.
Brake release control apparatus, Fluid pressure. A. T. Gorman. 2,587,039, Feb. 26.
Broad band electrical discharge device. M. D. Fiske. 2,587,305, Feb. 26.
Brush applicator mounting and closure sealing means, Combined. C. A. Mureau. 2,587,198, Feb. 26.
Bubble blowing apparatus. J. C. Scott. 2,587,537, Feb. 26.
Bubble blowing device. J. C. Scott. 2,587,536, Feb. 26.
Bubble forming device, Automatic. J. C. Scott. 2,587,535, Feb. 26.
Building construction. A. H. Gerber. 2,586,934, Feb. 26.
Burner: *See*—
Horizontal tray type oil burner.
Burner with overhead feed, Pot type. J. L. Breese. 2,586,779, Feb. 26.
Bush for bearings. G. G. E. Augereau. 2,587,088, Feb. 26.
Butterfly valve. F. C. Fantz. 2,586,927, Feb. 26.
Button construction, Fabric covered. L. Baritz. 2,586,904, Feb. 26.
Button fastener. J. T. Hayden. 2,586,819, Feb. 26.
Cabinet: *See*—
Germicidal cabinet.
Cabinet construction. E. J. Smayda, Jr. 2,587,396, Feb. 26.
Cabinet record holder. J. A. Yerkes. 2,587,269, Feb. 26.
Cable reinforcing and supporting device. T. F. Peterson. 2,587,521, Feb. 26.
Calcium hypochlorite, Production of. J. W. Sprauer. 2,587,071, Feb. 26.
Calendar and indicator. E. Voss. 2,586,890, Feb. 26.
Camera having blade and cover blind shutter. G. Durst. 2,587,447, Feb. 26.
Camera support. A. A. Juliano. 2,586,954, Feb. 26.
Canning peppers. R. W. Harris. 2,587,466, Feb. 26.
Cap: *See*—
Delay electric blasting cap. Dispensing cap.
Cap for grease fittings. H. P. O. Schluter 2,587,000, Feb. 26.
Car: *See*—
Freight car. Railroad tank car.
Carbon black, Producing. G. N. Cade. 2,587,107, Feb. 26.
Card separator and support. H. Crouch. 2,586,920, Feb. 26.
Casket construction. J. J. McEwan. 2,587,355, Feb. 26.
Cathode-ray tube analyzing and recording apparatus. K. A. Knutsen. 2,586,963, Feb. 26.
Centrifugal separator. J. R. Pattinson. 2,587,206, Feb. 26.
Cervical speculum. J. Kogan. 2,587,486, Feb. 26.
Chair: *See*—
Foldable chair. Spring supported chair.
Portable foldable chair.
Chance controlled football game board. A. C. Stringer. 2,587,242, Feb. 26.
Charge and tax determining equipment for telephone systems. E. Vroom. 2,587,014, Feb. 26.
Chopper, Cotton. J. W. Talbert. 2,587,406, Feb. 26.
Cigarette dispenser. L. Rossi. 2,587,225, Feb. 26.
Circuit: *See*—
Gated amplifier circuit. Ignition circuit.
Circuit arranged for dialback operations, Two-way trunk. S. W. Allison. 2,586,901, Feb. 26.
Circuit breaker unit. E. A. Vogel. 2,587,013, Feb. 26.
Circuit breaker with ambient temperature and shock compensation. R. C. Ingwersen. 2,587,162, Feb. 26.
Circuit construction, Printed. W. H. Myers. 2,586,854, Feb. 26.
Circuit controlling mechanism for rotatably adjustable spotlights. P. F. Early. 2,587,124, Feb. 26.
Circuit opening device. G. F. Lincks. 2,587,341, Feb. 26.
Circuits for group selectors in automatic systems, Testing. A. Mamor. 2,586,838, Feb. 26.
Circular building. H. J. Marschak. 2,587,353, Feb. 26.
Clamp: *See*—
Work clamp.
Clamp means. H. D. Paxson. 2,587,517, Feb. 26.
Clamping device for electrodes of arc furnaces. L. Högel and J. Jaekel. 2,587,045, Feb. 26.
Cleaned and degreased wool sliver and processes employing the same. W. F. Moody. 2,587,504, Feb. 26.
Cleaner: *See*—
Smoking pipe cleaner. Vacuum cleaner.
Suction cleaner.
Closure for laundry, rubbish, and like chutes, Hand or foot operated. C. M. Wilkinson. 2,587,021, Feb. 26.
Closure for paper receptacles. B. W. Gammon. 2,586,931, Feb. 26.
Clothes hanger. B. Burns. 2,586,913, Feb 26.
Clutch and brake for marine reverse gears. G. Walter. 2,587,015, Feb. 26.
Clutch control mechanism. E. R. Price. 2,587,524, Feb. 26.
Coating especially metallic articles with an ancient green patina. M. Quadrio. 2,587,216, Feb. 26.
Cocktal glass cooler and method. R. S. Tice. 2,587,075, Feb. 26.
Coiled and withdrawal string for tampons. F. P. Parish. 2,587,515, Feb. 26.
Collar assembly for shirts. J. W. Less. 2,587,491, Feb. 26.
Colloidal sulfur. S. C. Carney. 2,586,914, Feb. 26.
Color television image reproducing system. G. C. Sziklai. 2,587,074, Feb. 26.
Combination pocket toilet article. C. E. Ulrich. 2,587,550, Feb. 26.
Combusting finely divided low sintering temperature fuel, Method and apparatus for. D. Dalin and T. J. Hedbäck. 2,586,790, Feb. 26.
Compass, Electron. W. L. and F. J. Kaehni. 2,587,481, Feb. 26.
Composite pressure seal. J. R. Shields. 2,586,871, Feb. 26.
Compound reciprocating-pulse jet aircraft power plant. R. H. Swartz. 2,587,073, Feb. 26.
Compressor, Hermetic refrigeration. J. Touborg. 2,587,246, Feb. 26.
Computing device. W. A. Miller. 2,587,193, Feb. 26.
Connector: *See*—
Electric cable connector.
Connector for electrical wires, Snap type. C. M. Smith. 2,587,239, Feb. 26.
Contact sequence test set. E. B. Schwartz. 2,586,999, Feb. 26.
Contact spring. M. Fritts 2,587,458, Feb. 26.
Container: *See*—
Display container.
Container closure, Plastic. J. A. Benner and J. M. Sharf. 2,586,775, Feb. 26.
Container filling and capping machine. A. E. Lindstrom. 2,587,180, Feb. 26.
Container for explosives, Frangible. V. R. Bottom. 2,586,911, Feb. 26.
Continuous apparatus for the manufacture of superphosphates and similar products. J. Moritz. 2,587,367, Feb. 26.
Continuous emulsion polymerization process for vinyl acetate. W. K. Wilson. 2,587,562, Feb. 26.
Control device. M. P. Chapman. 2,587,114, Feb. 26.
Control device. C. G. Kronmiller. 2,587,334, Feb. 26.
Control for heating apparatus. D. F. Jones and B. D. Figg. 2,586,826, Feb. 26.
Control system. E. J. Poitras and J. D. Tear. 2,586,990, Feb. 26.
Controlling device for refrigerator systems. H. C. Miller. 2,587,363, Feb. 26.
Convertible automobile and general freight carrying trailer. L. M. Francis. 2,587,456, Feb. 26.
Conveyer, Counterbalanced shaker. J. Sabes. 2,587,229, Feb. 26.
Conveyer loader. C. J. Nagel. 2,586,981, Feb. 26.
Conveyer mechanism for wrapping machines. J. A. Mason and W. A. Roffey. 2,587,499, Feb. 26.
Cooling bulk material. L. S. Petersen. 2,587,378, Feb. 26.
Cooling system for motor vehicles. C. K. Mousel. 2,587,197, Feb. 26.
Copolymers of beta, gamma unsaturated alkenyl esters of aryl phosphonic acid with unsaturated alkyd resins. A. D. F. Toy and L. V. Brown. 2,586,885, Feb. 26.
Copolymers of di beta, gamma unsaturated alkenyl alpha, beta unsaturated alkenylphosphonates with unsaturated alkyd resins. A. D. F. Toy and L. V. Brown. 2,586,884, Feb. 26.
Copolymers of maleic anhydride with allyl esters of alkylidene-bis-aromatic carbonates. E. J. Carlson. 2,587,442, Feb. 26.
Core enveloper. J. B. Kohler and M. J. Anderson. 2,586,833, Feb. 26.
Corn planter. R. W. Rounds. 2,587,386, Feb. 26.
Counting apparatus. G. L. Roy. 2,587,066, Feb. 26.
Coupling: *See*—
Rotary fluid coupling. Vehicle coupling.
Cover: *See*—
Removable seat cover.
Crystal pressure gauge. A. H. Fiske, Jr. and G. E. Ledges. 2,587,304, Feb. 26.
Cultivator, Rotary. H. Brown. 2,587,106, Feb. 26.
Curb and gutter form. O. L. Braun. 2,586,912, Feb. 26.

Curtain rod control. E. Williams and L. Griser. 2,587,563, Feb. 26.
Curtain, Storm. R. M. Jones. 2,587,330, Feb. 26.
Cushioning device for hydraulic clutches. H. Grandgirard. 2,587,141, Feb. 26.
Cutter: *See*—
Finishing cutter. Portable shape cutter.
Cutting apparatus. W. G. Sweetman. 2,587,243, Feb. 26.
Cutting tool mounting. J. S. Robbins. 2,587,065, Feb. 26.
Cylinder for hydraulic brakes or the like, Master. J. D. Allyn. 2,587,023, Feb. 26.
Damper. A. W. Schach. 2,586,997, Feb. 26.
Decorating ceramic bodies. R. B. Harlan and W. E. Gardner. 2,587,152, Feb. 26.
Delay electric blasting cap. H. M. Kerr, W. G. Richardson, and H. A. Logan. 2,586,959, Feb. 26.
Δ^2-1,3-diazacycloalkenes, Preparation of. A. F. McKay and G. A. Grant. 2,586,844, Feb. 26.
Dental appliance. F. M. Stadelmann. 2,587,008, Feb. 26.
Design dyeing apparatus. S. B. Schwartz and R. D. Blum, Jr. 2,587,534, Feb. 26.
Desulfurizing process. D. J. Wynne. 2,587,573, Feb. 26.
Detecting faults in the welds while being made. A. K. McElroy and L. C. McNutt. 2,587,056, Feb. 26.
Detergent composition. W. H. Woodstock. 2,586,897, Feb. 26.
Device for applying liquid fertilizer. P. C. Anderson. 2,587,085, Feb. 26.
Device for controlling consumer circuits by means of at least one measuring instrument carrying small currents. T. Buser. 2,587,441, Feb. 26.
Device for ornamentally shaping cloth. C. G. Borchard. 2,586,778, Feb. 26.
Device for stabilizing oscillations. L. Dorbec. 2,587,294, Feb. 26.
Device for the adjustment of the starting position of the blowpipe in oxygen cutting machines. G. Gatimel. 2,587,461, Feb. 26.
Device for varying the length of gunstocks. L. F. Turner. 2,587,248, Feb. 26.
Di(alkenyl carbonate) esters of alkylidene bis-phenols. J. A. Bralley and F. B. Pope. 2,587,437, Feb. 26.
Dianisidine, Preparing. A. L. Linch. 2,586,837, Feb. 26.
Diaphragm optical gas mask. R. Monro, I. C. Brown, C. N. Hinkamp, and F. J. M. Parduhn. 2,586,851, Feb. 26.
Die: *See*—
Hand die.
Diffuser head for fluid fuel burners. A. S. Gorshkoff. 2,587,140, Feb. 26.
Dinnerware finishing machine. H. G. Allen, R. W. Watkin, S. Kufel, Jr., and E. I. Fisher. 2,587,271, Feb. 26.
Directive radiating system. J. E. Karlson. 2,586,827, Feb. 26.
Disk carrier attachment. M. Neikirk. 2,587,510, Feb. 26.
Disk harrow. J. A. Love. 2,587,494, Feb. 26.
Disk harrow locking device. A. E. Rutter. 2,587,387, Feb. 26.
Disk platen, Rotary. T. J. Miller. 2,586,848, Feb. 26.
Dispenser: *See*—
Cigarette dispenser.
Dispenser and drink mixer. L. Myers. 2,586,980, Feb. 26.
Dispenser for products packaged in collapsible tubes. R. A. Merullo. 2,587,191, Feb. 26.
Dispenser with tension means for holding the tube in position, Tooth paste. W. H. De Moss. 2,586,922, Feb. 26.
Dispensing apparatus, Bottle. G. F. Forsthoefel and C. H. Newton. 2,587,306, Feb. 26.
Dispensing cap. T. J. Ryder, Jr. 2,587,388, Feb. 26.
Display container. W. J. Tyrseck. 2,586,886, Feb. 26.
Distributor for spraying devices, Rotary. E. O. Norris. 2,587,514, Feb. 26.
Domestic appliance. F. H. McCormick. 2,587,187, Feb. 26.
Door closure. L. Davidson. 2,586,792, Feb. 26.
Doorknob attachment. E. W. Broscoe. 2,587,285, Feb. 26.
Door safety catch, Laterally movable. C. Lute. 2,587,348, Feb. 26.
Dose time indicator. H. A. Guion and E. Arnold. 2,587,147, Feb. 26.
Drag bit. A. Arutunoff. 2,587,429, Feb. 26.
Dressing grinding wheels, Method and apparatus for. E. Wildhaber. 2,587,201, Feb. 26.
Drier: *See*—
Paper machine drier.
Drilling apparatus. R. A. McCallum. 2,586,842, Feb. 26.
Drilling apparatus. J. C. Staton. 2,586,878, Feb. 26.
Drilling fluid compositions. V. G. Meadors. 2,587,501, Feb. 26.
Driving unit for electromagnetic vibration exciters. F. E. Stirnkorb. 2,586,881, Feb. 26.
Drum with liquid bath, Rotatable. J. Hoekstra. 2,587,157 Feb. 26.
Drying leather to ultimate clean condition. A. R. Olson, E. B. McMillan, and W. H. Davis, III. 2,586,985, Feb. 26.
Dual fuel injection pump control. F. E. Pelly and E. R. Cave. 2,587,376, Feb. 26.
Duplicator attachment for lathes. H. J. Siekmann and G. J. Kasselmann. 2,587,542, Feb. 26.
Dust collector. W. O. Vedder. 2,587,416, Feb. 26.
Earplug. M. Fornet. 2,587,035, Feb. 26.
Earring construction. J. Conto and B. Alstadt. 2,586,787, Feb. 26.
Eccentric adjustment for roll drive. W. Messinger. 2,586,975, Feb. 26.
Echo ranging and identification system. A. A. Varela. 2,586,888, Feb. 26.
Electric arc welding. W. Moerman. 2,587,195, Feb. 26.
Electric arc welding. P. C. van der Willigen. 2,587,251, Feb. 26.
Electric cable connector. M. D. Bergan. 2,587,095, Feb. 26.
Electric circuit components, Manufacture of. P. Eisler. 2,587,568, Feb. 26.
Electric field strength measurement. R. S. Havenhill and L. E. Carlson. 2,587,156, Feb. 26.
Electric power apparatus for steering and the like. W. F. Penrose. 2,587,377, Feb. 26.
Electrical cavity resonator for microwaves. R. W. Marshall. 2,587,055, Feb. 26.
Electrical control system. S. C. Rockafellow. 2,587,385, Feb. 26.
Electrical logging method and apparatus. J. M. Pearson. 2,587,518, Feb. 26.
Electrode for electrostatic filters. G. F. Landgraf. 2,587,173, Feb. 26.
Electron beam centering device for cathode-ray tubes. M. R. Heppner. 2,586,948, Feb. 26.
Electronic pulse-power supply. H. J. Dailey and J. J. Borzin. 2,587,290, Feb. 26.
Elevator control system. A. Pinto. 2,586,859, Feb. 26.
Energy-absorbing deceleration apparatus for parachute loads. W. D. Eakin. 2,587,448, Feb. 26.
Engine: *See*—
Internal - combustion engine. Pulse jet thrust engine.
Equalizer for artificial dentures. S. C. Robinson. 2,587,528, Feb. 26.
Esters of alkane phosphonic acids. A. H. Lewis and R. D. Stayner. 2,587,340, Feb. 26.
Ethylene oxide process. R. L. Heider. 2,587,468, Feb. 26.
Excavator, Self-loading. C. Bartsch. 2,587,092, Feb. 26.
Exhaust muffler with frustro-conical body, Air-cooled. W. W. Cushman. 2,586,788, Feb. 26.
Exhaust pipe extension of deflector form. C. W. Chester. 2,587,115, Feb. 26.
Exterminator, Rat and mouse. F. U. Smith. 2,587,397, Feb. 26.
Eyeglasses having improved temple pivot structure. G. R. Hoffmaster. 2,587,472, Feb. 26.
Facsimile scanner, Continuous. B. F. Grib. 2,587,145, Feb. 26.
Fastener: *See*—
Button fastener.
Fastener assembly, Separable. N. A. Wahl. 2,586,891, Feb. 26.
Feather plucking apparatus. F. Fisher. 2,587,453, Feb. 26.
Feeding device for ensilage cutters. A. Dion. 2,587,122, Feb. 26.
Fender mounted directed-beam automobile head lamp. W. J. Patton. 2,587,374, Feb. 26.
Fertilizer, Organic. M. A. Ellingson. 2,587,125, Feb. 26.
Fiber spinning composition comprising solutions of vinylidene chloride polymers in tris (N,N-dimethylamino) phosphene oxide. G. E. Ham. 2,587,464, Feb. 26.
File holder for saw filing machines. C. C. Bornholdt. 2,587,102, Feb. 26.
File support. V. Drengberg. 2,586,925, Feb. 26.
Film advancing mechanism in slide film projectors. C. H. and C. D. Dunning. 2,587,123, Feb. 26.
Film holder. W. J. Carroll. 2,587,109, Feb. 26.
Film processor drying control. J. W. Gillon. 2,587,138, Feb. 26.
Film record cards, Making. J. F. Langan. 2,587,022, Feb. 26.
Filter: *See*—
Gas filter.
Filter for radio receivers, High-frequency. J. M. Dyer. 2,586,926, Feb. 26.
Filter unit for air cleaners. J. B. Sebok, W. H. Browne, and A. E. Pavlish. 2,587,234, Feb. 26.
Finishing cutter. K. B. Kaiser. 2,586,955, Feb. 26.
Fire alarm. G. L. Moreland. 2,587,506, Feb. 26.
Fire protection system. J. Dunlop and E. F. Durang. 2,586,797, Feb. 26.
Fishholder. L. E. and E. W. Southward. 2,587,007, Feb. 26.
Fishline float. J. C. Golnick. 2,587,311, Feb. 26.
Fish lure. H. M. Wood. 2,587,264, Feb. 26.
Fish lure, Spinning. A. Montali. 2,587,366, Feb. 26.
Fishing float. A. E. Merriweather. 2,587,190, Feb. 26.
Fishing line reel device. O. E. Delphon. 2,586,921, Feb. 26.
Fishing lure. P. H. Rainey. 2,587,218, Feb. 26.
Fishing reel. J. M. Goldberg. 2,587,462, Feb. 26.
Fishing reel brake. I. Weisblatt. 2,587,257, Feb. 26.
Fitting. D. P. Hynes. 2,586,950, Feb. 26.
Fixture with wall receiving portion. A. L. Lindstrom. 2,587,181, Feb. 26.
Flexible coupling housing. G. G. Mize. 2,587,365, Feb. 26.
Floating roof, Double-deck. C. M. Orr and F. L. Goldsby. 2,586,856, Feb. 26.

Floating roof seal. F. L. Goldsby and C. M. Orr. 2,586,813, Feb. 26.
Floating roof tank gauge. H. A. Quist. 2,587,525–6, Feb. 26.
Floor illuminating fixture having a hinged lamp support and a hinged reflector, Built-in. P. W. Nettesheim. 2,587,371, Feb. 26.
Fluid control apparatus. C. F. Abresch. 2,587,080, Feb. 26.
Fluid control system. R. R. Crookston. 2,587,444, Feb. 26.
Fluid pressure operated motor. W. Stelzer. 2,587,403, Feb. 26.
Fluxmeter, Drift controlled. P. F. Elarde. 2,586,799, Feb. 26.
Foldable chair. C. O. Larson. 2,587,176, Feb. 26.
Forming a glaze on carbon. C. H. Prescott, Jr. 2,587,523, Feb. 26.
Forming ladder web slat supports for Venetian blinds, Method and apparatus for. H. W. Honeyman, Jr., and H. W. Honeyman, 3rd. 2,586,822, Feb. 26.
Forming wire filling for regenerators. F. L. van Weenen and H. de Brey. 2,587,252, Feb. 26.
Four component photographic objective, High-speed. H. Lowenthal. 2,587,347, Feb. 26.
Frame: *See*—
Tamping roller frame.
Freezing device. E. F. Schweller. 2,587,233, Feb. 26.
Freight car. H. Black. 2,587,027, Feb. 26.
Frequency control device. E. Chamagne and A. Charbonnier. 2,586,916, Feb. 26.
Frequency converter for radio receiving systems. E. O. Willoughby. 2,586,895, Feb. 26.
Friction wedge. J. C. Settles and L. E. Furniss. 2,587,392, Feb. 26.
Frozen confection apparatus. C. Erickson and E. Spellman. 2,587,127, Feb. 26.
Fruit picker's bag. E. P. Merrion. 2,586,974, Feb. 26.
Fundus camera, including eye fixation means. J. H. McMillin. 2,586,973, Feb. 26.
Furnace element. F. E. Bash. 2,587,275, Feb. 26.
Furnace with forced flow air circulating means, Air-heating. P. K. Russell. 2,587,228, Feb. 26.
Fuseless circuit interrupting device. G. F. Lincks and S. R. Smith, Jr. 2,587,342, Feb. 26.
Garment and cover, Infant's sleeping. M. L. Klein. 2,586,961, Feb. 26.
Garment belt. E. Krieger. 2,587,490, Feb. 26.
Gas analysis apparatus. F. F. Yanikoski. 2,586,899, Feb. 26.
Gas carbureting apparatus. S. P. Jones. 2,587,165, Feb. 26.
Gas control valve. R. W. Johnson and F. F. Heiser. 2,587,480, Feb. 26.
Gas filter. G. Gerson. 2,586,935, Feb. 26.
Gate: *See*—
All stock control gate. Self-closing gate.
Gate latch. J. W. Kelley. 2,587,167, Feb. 26.
Gated amplifier circuit. E. O. Kelzer. 2,586,957, Feb. 26.
Gauge: *See*—
Crystal pressure gauge. Floating roof tank gauge.
Gauge assembly for rip saw, Rip. A. V. Neal. 2,587,199, Feb. 26.
Gauge for measuring thickness of thin films, Step. K. B. Blodgett. 2,587,282, Feb. 26.
Generator: *See*—
Modulated signal generator.
Geophone, Horizontal component low-frequency. G. B. Loper and S. N. Heaps. 2,587,346, Feb. 26.
Germicidal cabinet. E. H. Ficken. 2,587,131, Feb. 26.
Gold separator. B. P. Tuggle. 2,587,012, Feb. 26.
Golf bag. J. R. Burton, Jr., and H. N. McLean, Sr. 2,587,029, Feb. 26.
Governor. O. L. R. Schram and F. E. Smith. 2,586,867, Feb. 26.
Grandstand, Portable. C. J. Holmes. 2,587,159, Feb. 26.
Granulation of salt cake. A. P. Giraitis. 2,587,309, Feb. 26.
Grass trimmer. B. H. Shaffer. 2,587,393, Feb. 26.
Grater operating by means of a drum, Household. J. Mantelet. 2,587,186, Feb. 26.
Grill, Sandwich. M. A. Hall. 2,587,314, Feb. 26.
Grinding-wheel dressing fixture. H. H. Gotberg and J. Silvagi. 2,586,937, Feb. 26.
Gun sight. O. S. Fowler. 2,586,807, Feb. 26.
Hair combing, cleaning, and training device. A. C. Schelthe. 2,587,389, Feb. 26.
Hair extracting device. H. Orner. 2,586,855, Feb. 26.
Hair trimmer. P. J. Seferlis. 2,587,235, Feb. 26.
Hammer mill for grinding feed. J. H. Oliver. 2,587,372, Feb. 26.
Hand die. P. J. Huhn. 2,586,823, Feb. 26.
Hand support for automobiles. C. E. Orrison. 2,586,986, Feb. 26.
Handle: *See*—
Box spring handle.
Hanger: *See*—
Clothes hanger. Telescopic hanger.
Hanger and sleeve wrinkle remover, Coat. E. L. Blackman. 2,586,909, Feb. 26.
Hanging support. D. A. Hansen and C. R. Lyseng. 2,587,150, Feb. 26.
Hay fork. L. E. Smith. 2,586,875, Feb. 26.
Headrest. C. W. Johnson and J. T. Clark. 2,586,952, Feb. 26.
Heat exchanging device. P. H. Clay. 2,587,116, Feb. 26.
Heat insulating receptacle. P. A. Siple. 2,586,873, Feb. 26.
Heat-sealing apparatus. F. G. Dobbs and S. H. Dobbs. 2,587,034, Feb. 26.
Hide and leather working machine. R. J. Stebling. 2,586,879, Feb. 26.
High aperature five-component objective. W. Schade. 2,586,866, Feb. 26.
High-frequency electrical heating method and apparatus. J. P. Jordan. 2,587,331, Feb. 26.
High-frequency modulating system. W. W. Hansen and R. H. Varian. 2,586,816, Feb. 26.
High-speed braker arrangement for protection of valve converter circuits. B. D. Bedford. 2,587,276, Feb. 26.
Hinge latch. R. K. Nottingham. 2,587,200, Feb. 26.
Hobbing grinder and wheel dresser. J. J. Osplack. 2,587,202, Feb. 26.
Hog holder. H. H. Reents. 2,587,383, Feb. 26.
Holder: *See*—
Adjustable broach holder. Hog holder.
Cabinet record holder. Tape spool holder.
Film holder. Tool holder.
Holder for diamond dressing tools. F. E. Koebel and O. E. Olivieri. 2,587,172, Feb. 26.
Holding nut with offset threaded end portions. E. J. Cole. 2,586,786 Feb. 26.
Horizontal tray type oil burner. C. A. Miller. 2,587,361, Feb. 26.
Horn, Electric. R. C. and P. Nielsen. 2,587,513, Feb. 26.
Hosiery drying form. H. Richter. 2,586,994, Feb. 26.
Hydraulic control valve. G. Carr. 2,586,785, Feb. 26.
Hydraulic debarker. J. E. Holveck and A. G. Rockwood. 2,587,473, Feb. 26.
Hydraulic feed for machine tools. A. A. Ericson. 2,587,449, Feb. 26.
Hydraulic means for actuating frictional disk clutches. T. A. Schaad. 2,587,230, Feb 26.
Hydraulic press fluid supply with pressure intensifier. D. L. Lombard. 2,587,571, Feb. 26.
Hydraulic spring-controlling device. G. W. Crabtree. 2,587,443. Feb. 26.
Hydraulic thermostatic mechanism for electric induction apparatus. M. Unger. 2,587,412. Feb. 26.
Hydraulically balanced valve system. H. Seaman. 2,587,539. Feb. 26.
Hydraulically reinforced spring seat support. C. E. Deardorff and W. E. Elder. 2,587,121, Feb. 26.
Hydrofining with sulfate regenerated catalyst. M. H. Gwynn. 2,587,149, Feb. 26.
Ice-making apparatus. C. Field. 2,586,802, Feb. 26.
Ignition circuit. J. D. Kiels. 2,586,962. Feb. 26.
Incandescent lamp. J. L. Kivari. 2,587,169, Feb. 26.
Incendiary bomb. R. B. Epler and D. L. Woodberry. 2,586,801, Feb. 26.
Increasing the mechanical stability of formaldehyde-preserved natural rubber latex. E. M. Bevilacqua. 2,587,278–81. Feb. 26.
Indicating pocket ionization chamber. J. A. Victoreen. 2,587,254, Feb. 26.
Indicator: *See*—
Dose time indicator. Train approach indicator.
Resonance indicator.
Indicator and recorder, Insulation breakdown. R. Gunn. 2,586,815. Feb. 26.
Indicator for cabinets. W. F. Florence. 2,586,930, Feb. 26.
Indicator with audible circuit testing prod, Potential. C. B. Fowler. 2,586,806. Feb. 26.
Inhalator. F. P. Priestly. 2,587,215, Feb. 26.
Ink reservoir for lettering pens. C. M. Woodward. 2,586,898. Feb. 26.
Inlay for molded plastic articles. J. W. Murray. 2,586,978, Feb. 26.
Insecticidal compositions comprising a polychloro chloromethyl 2,3 endomethylene cyclohenene 3. A. R. Kittleson and A. H. Gleason. 2,587,484. Feb. 26.
Instrument, Movable coil electrical. K. J. Knudson. 2,586,831. Feb. 26.
Instrument, Thickness-measuring. R. C. Scott. 2,586,868, Feb. 26.
Internal-combustion engine. G. L. du Rostu. 2,587,339, Feb. 26.
Internally expanding brake. R. B. Watt. 2,587,256, Feb. 26.
Internally ribbed manifold for multicylinder internal-combustion engines. A. F. Milbrath. 2,587,360, Feb. 26.
Invalid lift and transfer apparatus. C. E. Sanders. 2,587,068. Feb. 26.
Iodine counter. S. H. Liebson. 2,586,836, Feb. 26.
Ion exchange resin combination. G. R. Stroh. 2,586,882, Feb. 26.

Jack: *See*—
Vehicle jack.
Joint: *See*—
Sash corner joint. Swivel pipe joint.
Swivel joint.
Joint construction for endless belts. C. M. Lopez. 2,587,053, Feb. 26.
Kaolin-phosphoric acid polymerization catalyst. J. C. Morrell. 2,586,852, Feb. 26.
Kelly drive for rotary drills. F. M. Capp and R. E. Adamson. 2,586,784, Feb. 26.
Ketones, Production of. G. M. Kosolapoff. 2,587,488–9, Feb. 26.
Kettledrum. S. Goodman. 2,587,310, Feb. 26.
Key assembly for musical instruments. L. W. Halvorson. 2,586,944, Feb. 26.
Key, Self-ejecting. C. Glubiak. 2,587,037, Feb. 26.
Labeling machine. R. J. Newman and D. S. Friend. 2,586,983, Feb. 26.
Labyrinth seal. A. Winther. 2,587,077, Feb. 26.
Laminated article having an unimpregnated surface and making the same. N. W. Knewstubb and C. N. Jenkins. 2,587,171, Feb. 26.
Lamp: *See*—
Incandescent lamp. Waterproof pilot lamp.
Lamp switch actuator for use in conjunction with a telephone apparatus. E. A. Bolle. 2,586,910, Feb. 26.
Latch: *See*—
Gate latch. Magnetic door latch.
Hinge latch.
Latch release mechanism. V. A. Mead. 2,586,847, Feb. 26.
Laundry machine tumbling drum. P. W. Douglas. 2,586,794, Feb. 26.
Lawn mower, Power-operated. C. W. Durham. 2,587,298, Feb. 26.
Leaf spring construction. W. T. Pilkington, Jr. 2,587,522, Feb. 26.
Leakage tester for threaded pipe couplings. H. Meyer. 2,587,192, Feb. 26.
Leg for an article of furniture or the like. E. C. Booth. 2,587,283, Feb. 26.
Lifting device. J. M. Quenan. 2,587,217. Feb. 26.
Lifting grab for industrial trucks. H. J. McDonald. 2,586,843, Feb. 26.
Lighting fixture and louver for elongated tubular lamps. R. I. Berry. 2,586,908, Feb. 26.
Lighting fixture with adjustable light shields. P. Young. 2,587,423, Feb. 26.
Limit stop mechanism for gun turrets. W. E. Naugler and E. W. Stacey. 2,586,982, Feb. 26.
Line fault detector. C. L. Brownlow. 2,586,781, Feb. 26.
Linearity control for cathode-ray tubes. K. R. Wendt. 2,587,420, Feb. 26.
List mounting. H. W. Anteau. 2,587,086, Feb. 26.
Load control system for electronic power generators. L. S. Lappin. 2,587,175, Feb. 26.
Loader for camera film holders. A. C. Smith. 2,587,238, Feb. 26.
Localizer and glide path system. A. Frum. 2,586,810, Feb. 26.
Locking means for bell and spigot joints, Flexible. F. Hudson. 2,587,475, Feb. 26.
Louver. R. C. Moyer, N. J. Oliver, and M. L. Rysdon. 2,587,509, Feb. 26.
Louvre window. J. D. Easton. 2,587,567, Feb. 26.
Lubrication of conveyer apparatus for meat. W. F. Weber. 2,587,017, Feb. 26.
Machine for balancing balance wheels and the like. W. Kohlhagen. 2,587,048, Feb. 26.
Machine for die-casting and injection molding. E. Wittlin. 2,586,896, Feb. 26.
Machine for end grinding elongated workpieces. G. F. Johnson. 2,586,953, Feb. 26.
Machine for forming and finishing concrete surfaces. J. H. Hohnke and C. R. Anderson. 2,587,321, Feb. 26.
Machine for making corrugated paperboard. J. Aquilia. 2,587,273, Feb. 26.
Machine for severing tags. J. A. Carlson. 2,587,030, Feb. 26.
Machine for sizing bushings. J. Haller. 2,586,943, Feb. 26.
Machine for the manufacture of paper bags. S. C. F. Wills. 2,587,422, Feb. 26.
Machine for the manufacture of spangles and similar articles. J. G. Polk. 2,587,214, Feb. 26.
Machine tool. W. B. Peirce. 2,587,519, Feb. 26.
Magnesium hydroxide, Preparing. J. C. Seailles. 2,587,001, Feb. 26.
Magnetic door latch. W. Alderman. 2,586,900, Feb. 26.
Magnetic transducer head and mount therefor. E. Beriant. 2,587,097, Feb. 26.
Making insoles. P. Droukas. 2,587,446, Feb. 26.
Making ready cylindrical printing plate. G. W. Bungay. 2,587,439, Feb. 26.
Manually operable control assembly. L. Schweitzer. 2,587,390, Feb. 26.
Marking machine for marking web material. E. B. Bates. 2,586,905, Feb. 26.
Mass spectrometer. E. A. Weiss. 2,587,555, Feb. 26.
Mass spectrometry. H. W. Washburn. 2,587,575, Feb. 26.
Mat for air coolers, Zoned evaporator. A. S. Feinberg. 2,587,130, Feb. 26.
Material ejecting and feeding apparatus. R. F. Brewer and C. W. Henderson. 2,587,284, Feb. 26.
Material feed signal system. R. C. Kivley and C. A. Windsor. 2,586,960, Feb. 26.
Matrix for tire treads with lateral traction slits. A. Duerksen. 2,587,297, Feb. 26.
Matrix stick positioning means. W. M. Berrick. 2,586,776, Feb. 26.
Mattress carrier sunner. J. V. Card. 2,587,108, Feb. 26.
Mean frequency control of frequency-modulated oscillators. G. L. Fernsler. 2,587,303, Feb. 26.
Mechanism for operating a sealing collet. P. E. Cate. 2,586,915, Feb. 26.
Mechanism for the intermittent driving of cinematographic films. J. Thévenaz. 2,587,548, Feb. 26.
Mechanism to sever tape between adjacent ends of cartons. O. A. Badenhausen, E. A. Wahl, and W. Boehl. 2,586,903, Feb. 26.
Metal cutting toolholder. R. C. Nelson. 2,587,370, Feb. 26.
Metal detector. A. H. Hofberg. 2,587,158, Feb. 26.
Meter: *See*—
Telegraph signal bias meter.
Method of and apparatus for controlled heating of enclosures. H. W. Hubers, Jr. 2,587,322, Feb. 26.
Modulated signal generator. W. D. Loughlin and D. M. Hill. 2,587,493, Feb. 26.
Modulator for facsimile signals, Pulse type. E. R. Shenk and A. Liguori. 2,587,541, Feb. 26.
Mold clamping device. J. A. Nelson. 2,587,061, Feb. 26.
Mold composition for precision casting and forming mold. H. Greenewald, Jr. 2,586,814, Feb. 26.
Molding by thermoplastic injection, Multiple. K. W. Spillman. 2,587,070, Feb. 26.
Molding threaded articles. J. L. Lay. 2,587,337, Feb. 26.
Momentary contact electric switch. R. E. Smith. 2,587,399, Feb. 26.
Motor: *See*—
Fluid pressure operated motor.
Motor cylinder with stroke-limiting valve, Hydraulic. C. B. Livers. 2,587,182, Feb. 26.
Mouth speculum and tongue support, Combined. V. J. Terre. 2,587,245, Feb. 26.
Mounting: *See*—
Cutting tool mounting. List mounting.
Mounting for fans and propellers, Twin blade. E. M. Turner. 2,587,247, Feb. 26.
Mounting means for electric motors. E. C. Wahlberg. 2,587,418, Feb. 26.
Mower. W. J. Coultas. 2,586,918, Feb. 26.
Mowing machine. E. Bobard. 2,587,435, Feb. 26.
Muff, Skating shoe. E. Paster. 2,587,205, Feb. 26.
Mug, Infant's drinking. E. S. Sinsiko. 2,587,237, Feb. 26.
Multiple glazing unit. H. W. Petsch. 2,587,063, Feb. 26.
Multiple punch. A. O. Marsh. 2,587,185, Feb. 26.
Multiple scale graphic recording mechanism. F. E. Woods and W. P. Williams. 2,587,079, Feb. 26.
Multispeed gear system. W. Siegrist. 2,587,004, Feb. 26.
Muscle tonus replacer. H. S. De Voe. 2,587,292, Feb. 26.
Nebulizer for administering medicaments. B. L. McKinnon. 2,586,845, Feb. 26.
Nicotinic acid production. W. G. Frankenburg. 2,586,808, Feb. 26.
Nitrobenzyl ethers. S. R. Buc and D. I. Randall. 2,587,566, Feb. 26.
Nondrip pouring outlet. J. G. Livingstone. 2,587,344, Feb. 26.
Nozzle, Hose. J. H. Thompson. 2,587,407, Feb. 26.
Nozzle, Sandblast. A. L. Marjama. 2,587,184, Feb. 26.
Nozzle, Spray. E. H. Green. 2,587,040, Feb. 26.
Nut retainer and thread lock, Combined. L. H. Flora. 2,587,134, Feb. 26.
Obtaining chromic oxide from a chromate ore. D. N. Vedensky. 2,587,552, Feb. 26.
Obtaining torch flame. A. J. Ducamp. 2,587,296, Feb. 26.
Oil burner apparatus, Vaporizing type. P. Wollner. 2,587,078, Feb. 26.
Oil well drilling system, Deep water. T. M. Kuss and R. D. Russell. 2,586,966, Feb. 26.
1,2, di-primary amines, Preparation of. W. L. Hawkins. 2,587,043, Feb. 26.
Opener, Animal mouth. F. C. Fehrman. 2,587,129, Feb. 26.
Opener, Can. I. G. Bandy. 2,587,090, Feb. 26.
Opener, Can. A. Olevin. 2,587,201, Feb. 26.
Oscillator. L. Fleming. 2,586,803, Feb. 26.
Oven door construction. H. M. Reeves. 2,587,527, Feb. 26.
Oxygen, Producing. P. W. Garbo. 2,586,811, Feb. 26.
Package delivery mechanism. J. Manteria. 2,587,496, Feb. 26.
Paper machine drier. W. Kelsey. 2,586,829, Feb. 26.
Path-selection control arrangement for primary-secondary switching systems. R. P. Boyer, Jr. 2,587,103, Feb. 26.
Pattern mechanism for dobby looms. I. C. Morris. 2,587,507. Feb. 26.
Pedal for bicycles or like vehicles. T. Albers. 2,587,270, Feb. 26.
Penicillin salt of (1,1-dimethyl-2-hydroxypropyl) amine. V. V. Young. 2,587,574, Feb. 26.

Permanent magnet assembly, Adjustable. R. F. Edgar. 2,587,299, Feb. 26.
Permeability tuner. G. Shapiro and R. O. Stone. 2,586,870, Feb. 26.
Phonograph record. O. J. Alvarez. 2,587,427, Feb. 26.
Phonograph, Stereopticon. G. P. Bentley and F. R. House. 2,587,433, Feb. 26.
Photocomposing machine. P. Anderson. 2,587,084, Feb. 26.
Photographic system for moving target indication. R. M. Ashby and J. H. Muncy. 2,586,772, Feb. 26.
Piano keyboard regulator. N. Krausz. 2,587,049, Feb. 26.
Piecrust mix, Nonsogging. C. G. Harrel, R. O. Brown, and M. H. Kimball. 2,586,945, Feb. 26.
Piezoelectric type switching relay. A. C. Keller. 2,587,482, Feb. 26.
Pile fabric floor covering and pile yarn therefor made from cleaned and degreased wool sliver. W. F. Moody. 2,587,505, Feb. 26.
Pin retaining means. G. K. Newell. 2,587,062, Feb. 26.
Pipe: *See*—
Smoking pipe.
Pipe bit. S. P. Sharron. 2,587,069, Feb. 26.
Pipe cutting apparatus. J. L. Hunt. 2,586,824, Feb. 26.
Pipe end finishing machine. O. R. Smith. 2,587,398, Feb. 26.
Piston. B. H. Barnes and B. S. Minor. 2,587,091, Feb. 26.
Pivot pin or bolt, Unitary. R. G. Melrose. 2,587,058, Feb. 26.
Play pen, Baby's. R. H. Dawson. 2,587,120, Feb. 26.
Plow. F. T. Court. 2,586,919, Feb. 26.
Pneumatic drill with automatic adjustment of the tool thrust and torque, Portable. P. R. F. Dosmond. 2,586,924, Feb. 26.
Pocketbook, folder, cardcase or the like. H. M. Herbener. 2,586,949, Feb. 26.
Polarity reversing switch. J. W. Lawson and W. E. Brown. 2,587,178, Feb. 26.
Polycyclic quinones which carry a nitro and a hydroxy group as nuclear substituents, Manufacture of. P. L. Belshaw, H. T. Howard, and F. Irving. 2,587,093, Feb. 26.
Polyethylene film manufacture. W. F. Hemperly and N. R. Smith. 2,586,820, Feb. 26.
Polyfurcate azonitriles. J. A. Robertson. 2,586,995, Feb. 26.
Polymerizable nonpolar substances, Preparation of. F. Rosenthal. 2,586,996, Feb. 26.
Polystyrenes stabilized with organo amidophosphates. Q. A. Trementozzi. 2,587,549, Feb. 26.
Popping machine, Corn. C. A. Dondanville. 2,586,923, Feb. 26.
Portable foldable chair. W. H. Smith. 2,587,543, Feb. 26.
Portable shape cutter. A. A. Bernard. 2,586,907, Feb. 26.
Position following control. W. E. Coleman. 2,587,118, Feb. 26.
Position plotter for hyperbolic radio survey system. J. E. Hawkins and R. W. Baltosser. 2,587,467, Feb. 26.
Power drive. H. W. Lind. 2,587,343, Feb. 26.
Power-driven film rewind machine. L. W. Millsap. 2,586,976, Feb. 26.
Power transmission. D. B. Gardiner and R. A. Erskine. 2,586,932, Feb. 26.
Power transmission gearing. B. W. Barlow and G. H. Murray. 2,587,431, Feb. 26.
Prefabricated hank or ribbon for making ornamental pompon bows. T. L. McMahon. 2,587,502, Feb. 26.
Pregnancy test. G. C. Richardson and G. W. Rapp. 2,587,221, Feb. 26.
Preserving artichokes by freezing. J. Rose. 2,586,863, Feb. 26.
Preshaping of recorded waves. F. G. Albin. 2,587,081, Feb. 26.
Press: *See*—
Punch press.
Presser foot for sewing machines, Universal. M. Goldstein. 2,586,936, Feb. 26.
Pressure relief valve. M. W. Huber. 2,587,161, Feb. 26.
Preventing infection by coccidia by employing a bromoalkene. A. E. Doty, J. E. Johnson, Jr., D. R. Mussell, and M. A. Wolf. 2,586,793, Feb. 26.
Prevention of corrosion in steam lines. R. C. Ulmer. 2,587,249, Feb. 26.
Printing machine for printing addresses. E. Ostwaldt. 2,587,373, Feb. 26.
Progressive classifying or treating solids in a fluidized bed thereof. V. Harms. 2,586,818, Feb. 26.
Projectile radio location system. H. G. Busignies. 2,586,783, Feb. 26.
Propane-clay treating. L. A. Hays, Jr., and R. B. Selund. 2,586,947, Feb. 26.
Proportioning the constituents of materials, Method of and apparatus for. W. E. Saxe. 2,587,531, Feb. 26.
Protective system for electronic frequency changers. A. J. Hansen. 2,587,151, Feb. 26.
Protector: *See*—
Sanitary napkin protector.
Protector attachment for soda fountain mixers. W. T. Gafford. 2,587,135, Feb. 26.
Pulse forming network. W. R. Aiken. 2,587,426, Feb. 26.
Pulse jet thrust engine. L. E. Black, C. B. Marks, and W. L. Tenney. 2,587,100, Feb. 26.
Pump: *See*—
Adjustable stroke syrup pump. Rotary pump.
Punch. W. Parker. 2,587,516, Feb. 26.
Punch press. J. Verson and N. Kassnel. 2,587,076, Feb. 26.
Purging apparatus for fuel storage spaces and the like. D. Mapes. 2,586,839, Feb. 26.
Purification of alumina-containing materials. A. F. Johnson. 2,587,328, Feb. 26.
Purse construction. F. G. and S. H. Dobbs. 2,587,033, Feb. 26.
Pyrethrin concentrate from whole pyrethrum flowers, Production of. M. A. Jernakoff, G. H. Batt, and N. A. Sankowsky. 2,587,478, Feb. 26.
Pyridine analog of thiamin, Preparing. A. N. Wilson and S. A. Harris. 2,587,262, Feb. 26.
Quiver. J. W. Harvey. 2,587,155, Feb. 26.
Rack: *See*—
Random tool rack.
Radial flow wet dust collector. W. O. Vedder. 2,587,417, Feb. 26.
Radiator, Baseboard. J. W. Turner. 2,587,410, Feb. 26.
Radio buoy. R. V. Keeran. 2,586,828, Feb. 26.
Radio receiver. E. M. Williams and B. R. Gardner, Jr. 2,586,894, Feb. 26.
Railroad tank car. G. W. Patch, Jr., and J. G. Van Vleet. 2,587,204, Feb. 26.
Rake, Lawn. A. J. Zeman. 2,587,424, Feb. 26.
Raking and bundling machine. B. B. Hulzinga. 2,587,323, Feb. 26.
Ramp, Vehicle. W. F. Wright. 2,587,265, Feb. 26.
Random tool rack. T. E. Rodman. 2,587,226, Feb. 26.
Rapid processing apparatus for photographic film. E. J. Malwald, Jr. 2,587,350, Feb. 26.
Raspberry picker. P. P. Kreisman, Jr. 2,586,834, Feb. 26.
Razor and blade dispenser therefor. P. Polynice. 2,587,380, Feb. 26.
Razor blade sickle, Single-edge. A. Larson. 2,587,336, Feb. 26.
Receptacle: *See*—
Heat insulating receptacle.
Recorder for torpedo controls, Motion. R. H. Marshall. 2,586,840, Feb. 26.
Recorder, Quantity. J. V. L. Hogan. 2,587,319, Feb. 26.
Recovering concentrates of vanadium and/or uranium from raw materials. N. H. Brundin. 2,587,286, Feb. 26.
Rectification apparatus. W. W. Paget. 2,586,989, Feb. 26.
Reducing metal oxides. P. E. Cavanagh. 2,587,113, Feb. 26.
Reed for loom lay, Reciprocating. F. F. Sutherland. 2,587,009, Feb. 26.
Reel: *See*—
Fishing reel. Trolling reel.
Reel, W. H. Bellah. 2,587,432, Feb. 26.
Reflex klystron electron-discharge device. B. C. Gardner. 2,587,136, Feb. 26.
Reforming naphtha with activated carbon catalyst. C. E. Adams and C. N. Kimberlin, Jr. 2,587,425, Feb. 26.
Refrigerator, Multiple temperature. E. T. Morton. 2,586,853, Feb. 26.
Regulator: *See*—
Piano keyboard regulator.
Relay. T. R. Welch. 2,587,557, Feb. 26.
Release valve. B. Willach. 2,587,421, Feb. 26.
Relief valve. T. Placette. 2,587,212, Feb. 26.
Removable Geneva movement for motion-picture projectors. E. C. Manderfeld. 2,587,183, Feb. 26.
Removable seat cover. F. Eull. 2,587,128, Feb. 26.
Resilient cap and container closed thereby. C. J. Jesnig. 2,587,327, Feb. 26.
Resilient head for dial bore gauges. J. J. Bishop and E. M. Boat. 2,587,099, Feb. 26.
Resonance indicator. H. B. Steinhauser. 2,586,880, Feb. 26.
Resonant vibration fatigue tester. O. H. Henry. 2,587,317, Feb. 26.
Rest for the extremities and bodies of humans, Collapsible. L. K. Morecroft. 2,587,196, Feb. 26.
Retainer for drop wires. W. N. Tuck. 2,587,409, Feb. 26.
Retort. E. H. Records. 2,586,862, Feb. 26.
Reverse flow adapter for wells. K. Kelley. 2,587,333, Feb. 26.
Riboflavin-formaldehyde reaction product. K. Schoen and S. M. Gordon. 2,587,533, Feb. 26.
Roll honing machine. H. A. Ortegren. 2,586,987, Feb. 26.
Roller removing tool. A. Glover. 2,587,139, Feb. 26.
Rotary delivery damper for grain cleaning chambers. J. E. Giles. 2,587,137, Feb. 26.
Rotary fluid coupling. V. O. Hartz. 2,587,154, Feb. 26.
Rotary pump. F. Kraissl, Jr. 2,586,964, Feb. 26.
Rotor for disk brakes. C. S. Kelley. 2,587,047, Feb. 26.
Round molded gyratory bolter sieve. A. M. Marsh. 2,587,498, Feb. 26.

Rubber surface treatment and article. B. C. Barton and E. E. Auer. 2,587,274, Feb. 26.
Rupturable sealing means for pressure fluids. F. B. Parsons. 2,586,858, Feb. 26.
Rust inhibiting composition. A. H. Matuszak. 2,587,546, Feb. 26.
Rust-preventing lubricant. L. W. Sproule and L. F. King. 2,587,545, Feb. 26.
Saddle for brassière straps. I. L. Blalock and L. E. Ewing. 2,587,101, Feb. 26.
Safety binder and support. F. Garduno. 2,587,307, Feb. 26.
Safety device for refrigeration machines and the like. T. S. Papadopoulos. 2,587,203, Feb. 26.
Safety device for rotary motors. W. R. Maclay. 2,586,968, Feb. 26.
Sander for automotive vehicles. P. J. Sundheim. 2,587,072, Feb. 26.
Sanitary napkin protector. A. C. Fuentes. 2,587,459, Feb. 26.
Sash corner joint. H. A. Hess. 2,587,471, Feb. 26.
Sash guide and cup unit. G. B. Haas. 2,586,946, Feb. 26.
Saucer. D. A. Whitman. 2,587,259, Feb. 26.
Saw, Power-driven taper cutting. W. A. MacArthur. 2,587,054, Feb. 26.
Scoop, Earth. E. J. Koop. 2,587,487, Feb. 26.
Scraping and leveling machine. C. E. Moody. 2,586,977, Feb. 26.
Seal. A. Trask. 2,587,408, Feb. 26.
Seal between relatively rotatable parts. W. F. K. Riester. 2,587,222, Feb. 26.
Seal for relatively rotating members. J. B. Stevens and F. Bottomley. 2,587,405, Feb. 26.
Seal for rotors of turbines and like fluid flow machines. L. Islip and S. W. H. Perry. 2,587,326, Feb. 26.
Seal hanger for floating roofs. F. D. Moyer and L. P. Zick. 2,587,508, Feb. 26.
Seat for vehicles and the like, Auxiliary. C. E. Mitchell. 2,587,194, Feb. 26.
Secondary emission electrodes, Making. M. Arditi and W. D. Urban. 2,586,771, Feb. 26.
Secondary feed and moistening device for hectograph duplicating machines. R. M. Ford. 2,587,455, Feb. 26.
Selective fire converter for semiautomatic firearms. A. F. Gaidos. 2,587,460, Feb. 26.
Self-closing gate. J. W. Chamberlain. 2,587,287, Feb. 26.
Selvage shuttle operating mechanism for looms. N. Fletcher and W. Y. Robb. 2,587,454, Feb. 26.
Semicontinuous plating, Process and apparatus for. L. H. Germer and G. E. Reitter. 2,587,036, Feb. 26.
Separating olefins from hydrocarbon mixtures. G. R. Bond, Jr. 2,586,777, Feb. 26.
Separation of oxygen-containing chemical compounds. H. W. Fleming. 2,586,928, Feb. 26.
Separation of oxygenated organic compounds. H. W. Fleming and J. S. Cromeans. 2,586,929, Feb. 26.
Separation of straight-chain from branched-chain hydrocarbons. H. G. Vesterdal and W. A. Konrad. 2,586,889, Feb. 26.
Separation of vinyl esters of long chain fatty acids from the corresponding free fatty acids. W. S. Port, E. F. Jordan, Jr., and D. Swern. 2,586,860, Feb. 26.
Separator: *See*—
Centrifugal separator. Gold separator.
Serially operable hydraulic booster mechanism. W. Stelzer. 2,587,404, Feb. 26.
Setting mechanism for direct reading numeral clocks. J. Bergman. 2,587,277, Feb. 26.
Shape cutting machine arm. T. Schmader. 2,587,232, Feb. 26.
Shock absorber. R. Watts. 2,587,016, Feb. 26.
Shock-absorber for rotary drilling Kellys. B. Bronzan. 2,587,105, Feb. 26.
Shoe bottom filling machine. L. Garratt and P. White. 2,586,933, Feb. 26.
Shoe cleats, Producing. J. A. Gundersen. 2,587,148, Feb. 26.
Shoe with sole leather toe. J. H. Everston. 2,587,300, Feb. 26.
Sign. H. A. Husted. 2,587,325, Feb. 26.
Signal amplifying system. E. O. Keizer. 2,586,956, Feb. 26.
Signal compression and expansion arrangements in electric communication systems. B. B. Jacobsen. 2,586,825, Feb. 26.
Signal conversion system. J. P. Smith. 2,587,005–6, Feb. 26.
Signal light for fishing lines. A. D. Robinson. 2,587,223, Feb. 26.
Signaling system, Push-pull. M. Rettinger. 2,587,219, Feb. 26.
Signaling system using rectifiers back to back, Selective. W. H. T. Holden. 2,586,821, Feb. 26.
Slag scraper, Roofer's. M. Conforto. 2,586,917, Feb. 26.
Slit control for spectroscopic apparatus. C. L. Farrand. 2,587,451, Feb. 26.
Smoking pipe. J. J. Kunda. 2,586,965, Feb. 26.
Smoking pipe cleaner. I. J. Spiewak. 2,586,877, Feb. 26.
Snowplow. I. Vanvick. 2,587,415, Feb. 26.
Solenoid valve. H. Seaman. 2,587,538, Feb. 26.
Solution polymerization of acrylonitrile polymers in aqueous alcohol mixtures. G. E. Ham and E. C. Chapin. 2,587,465, Feb. 26.
Sound transmission. W. M. Ewing. 2,587,301, Feb. 26.
Spark plug electrode. J. J. Rose. 2,586,864, Feb. 26.
Speed governor for motors. J. P. Mayer. 2,586,841, Feb. 26.
Spinneret supporting bracket. H. J. McDermott. 2,586,971, Feb. 26.
Spit-handling device. T. Finizie. 2,587,133, Feb. 26.
Spool construction. G. G. Tucker, Jr., and F. A. Rappleyea. 2,587,011, Feb. 26.
Spring: *See*—
Contact spring.
Spring actuated lock nut. R. Widmer. 2,587,560, Feb. 26.
Spring supported chair. A. E. Johnson. 2,586,951, Feb. 26.
Stabilization of synthetic rubber. B. A. Hunter. 2,587,477, Feb. 26.
Stabilization system for gunfire control apparatus and the like. H. Harris, Jr. 2,586,817, Feb. 26.
Stable combination of cation- and anion-exchange resins. A. V. Alm. 2,586,770, Feb. 26.
Stable combination of cation- and anion-exchange resins. G. R. Stroh. 2,586,883, Feb. 26.
Stapling machine. S. M. Berger. 2,587,096, Feb. 26.
Steering gear construction. S. I. MacDuff. 2,587,495, Feb. 26.
Stock chute, Automatic. B. A. Howe. 2,587,160, Feb. 26.
Storm blind. V. H. Burkhart. 2,587,440, Feb. 26.
Stove, Drying. J. A. Johnson. 2,587,479, Feb. 26.
Strip material dispensing and applying device. E. J. Leger. 2,586,835, Feb. 26.
Stroke control mechanism. M. R. Sheen. 2,587,395, Feb. 26.
Stuffing box. E. M. Howard. 2,587,474, Feb. 26.
Sucking in the boundary layers, on the surfaces of reaction jet flying machines. M. Roy. 2,587,227, Feb. 26.
Suction cleaner. E. H. Yonkers, Jr. 2,587,565, Feb. 26.
Sugar crystallizing process. G. H. de Vries. 2,587,293, Feb. 26.
Support: *See*—
Adjustable power-driven tool support. Hanging support.
Camera support. Hydraulically reinforced spring seat support.
File support. Typewriter support.
Support for internal-combustion engines. A. A. Lombard. 2,587,345, Feb. 26.
Surgical appliance. A. R. Graham. 2,586,940, Feb. 26.
Suspender belt. R. E. Ellington. 2,587,126, Feb. 26.
Sweeper, Carpet. R. W. Goodell. 2,587,038, Feb. 26.
Switch: *See*—
Momentary contact electric switch. Thermostatic switch.
Polarity reversing switch. Time switch.
Switch assembly, Waterproof. N. H. Weber and R. W. Hept. 2,586,892, Feb. 26.
Switch release mechanism, Sequential. O. S. Greeson. 2,587,144, Feb. 26.
Switch unit with interdependent switching mechanisms operating at different rates, Multiple. O. S. Greeson. 2,587,143, Feb. 26.
Switching system, Telegraph. G. S. Vernam. 2,587,253, Feb. 26.
Swivel joint. C. and E. F. Klingler. 2,587,170, Feb. 26.
Swivel pipe joint. K. I. Postel. 2,586,991, Feb. 26.
Synchronizer arrangement. J. Bolsey. 2,587,436, Feb. 26.
System for dispensing a fire-extinguishing medium. W. H. Freygang. 2,586,809, Feb. 26.
System for magnetic storage of data. E. L. Schmidt. 2,587,532, Feb. 26.
System for measuring electrical quantities. J. M. Fluke. 2,586,804, Feb. 26.
Table: *See*—
Adjustable hospital table.
Table top, Booth wall mounted movable. G. H. Binz. 2,587,098, Feb. 26.
Tamping roller frame. U. O. Guignard. 2,587,463, Feb. 26.
Tank: *See*—
Therapy tank.
Tape spool holder. G. D. Shallenberger. 2,587,394, Feb. 26.
Telegraph signal bias meter. H. F. Wilder. 2,587,561, Feb. 26.
Telegraphically controlled timing mechanism. G. G. Keyes and G. Sim. 2,587,483, Feb. 26.
Telemetering device. H. S. Polin. 2,587,213, Feb. 26.
Telephone memorandum device or holder. A. A. Ribaudo and J. Orilia. 2,587,220, Feb. 26.
Telescopic hanger. R. W. Cashen, Jr. 2,587,111, Feb. 26.
Television tuner. N. E. Washburn. 2,587,419, Feb. 26.
Temperature control for regulating motor-driven fans, Automatic. A. D. Rapuano. 2,586,992, Feb. 26.
Therapeutic vibrator. D. M. Peterson. 2,587,207, Feb. 26.
Therapy tank. A. F. Landergott. 2,587,335, Feb. 26.
Thermocouple. J. D. Seaver. 2,587,391, Feb. 26.
Thermostatic switch. R. M. Manning. 2,587,351, Feb. 26.
Thermostatic switch. A. H. Van Riper. 2,587,551, Feb. 26.
Thread-cutting machine having rapid traverse plus positive controlled feed. S. F. Manning. 2,587,352, Feb. 26.

Threaded joint capable of being quickly made and broken. J. Sheddon. 2,587,544, Feb. 26.
Threshing machine. H. H. Cook. 2,587,289, Feb. 26.
Time switch. E. H. Belser. 2,587,026, Feb. 26.
Tire construction. J. O. Antonson. 2,587,428, Feb. 26.
Tire, Pneumatic. N. Drisch and R. Brepson. 2,586,795, Feb. 26.
Tire, Pneumatic. F. Herzegh. 2,587,470, Feb. 26.
Toggle-actuated slidable jaw wrench. G. A. Wortelmann. 2,587,263, Feb. 26.
Tool: *See*—
Boring tool.
Machine tool.
Roller removing tool.
Tool for cutting abrasive wheels and other materials. D. L. Finke. 2,587,132, Feb. 26.
Tool for tangless coils, Inserting. J. O. Forster. 2,586,805, Feb. 26.
Tool holder. A. J. Leveille. 2,587,179, Feb. 26.
Torque converter. H. A. Meyer. 2,587,503, Feb. 26.
Toy, Automatically turning wheeled. R. J. Lohr. 2,587,052, Feb. 26.
Toy, Leaping figure. J. P. Gowland. 2,586,938, Feb. 26.
Toy, Musical. P. A. Derham. 2,587,445, Feb. 26.
Toy wheeled vehicle. A. Albisetti. 2,587,082, Feb. 26.
Toy with pivoted targets, Target type. G. F. Haiselup. 2,587,042, Feb. 26.
Train approach indicator. C. O. Jett and D. L. Wylie. 2,587,164, Feb. 26.
Transparency projection slide. E. T. Boaden and J. L. Simpson. 2,587,434, Feb. 26.
Transportation vehicle. L. M. Page. 2,586,857, Feb. 26.
Transporting and storing frozen comestibles, Method and apparatus. L. L. Westling. 2,586,893, Feb. 26.
Trap: *See*—
Animal trap.
Trap for sewer catch basins. C. W. Lundy, Sr. 2,586,967, Feb. 26.
Treating hides, Process and apparatus for. W. O. Kline. 2,587,485, Feb. 26.
Treatment of cement raw slurry. T. Hellmann. 2,587,044, Feb. 26.
Treatment of montan wax. F. W. Breuer, and D. T. Zentymyer. 2,586,780, Feb. 26.
Tripod. T. Nerman. 2,587,511, Feb. 26.
Trolling reel. C. J. Gilette. 2,587,308, Feb. 26.
Trough for vehicle windows, Rain. R. J. Mauck. 2,587,354, Feb. 26.
Truck, Railroad car. J. L. Haynes, 2,587,315, Feb. 26.
Truck, Snubbed. O. W. Neumann and G. D. O'Neil. 2,587,512, Feb. 26.
Tube former. T. E. Piazze. 2,587,211, Feb. 26.
Tube for steam boilers, Water and fire. G. Rossi. 2,587,530 Feb. 26.
Tunnel mucking apparatus. E. E. Miller. 2,587,362, Feb. 26.
Turret lathe. C. E. Greene. 2,587,312, Feb. 26.
2-carboalkoxy-1,3-butadienes and polymers thereof, Preparation of novel. J. C. Westfahl and D. S. Sears. 2,587,558, Feb. 26.
2-isopropylmethylaminoethyl ester of phenylcyclohexenylacetic acid and salts thereof. R. B. Moffett. 2,586,849, Feb. 26.
2-isopropylmethylaminopropyl ester of phenylcyclohexenylacetic acid and salts thereof. R. B. Moffett. 2,586,850, Feb. 26.
Type assembly device. J. F. Murphy. 2,587,368, Feb. 26.
Typewriter support. W. F. Herring. 2,587,469, Feb. 26.
Ultrasonic materials testing. H. E. van Valkenburg and M. S. Wasserman. 2,587,414, Feb. 26.
Unloader for compressors. J. H. Anderson. 2,586,902, Feb. 26.
Vacuum cleaner. C. H. Sparklin. 2,586,876, Feb. 26.
Vacuum tube electrode element. F. E. Bash. 2,586,768, Feb. 26.
Vacuum type dust collector apparatus for filling containers with comminuted material. J. Balla, Jr. 2,587,089, Feb. 26.
Valve: *See*—
Butterfly valve.
Gas control valve.
Hydraulic control valve.
Pressure relief valve.
Release valve.
Relief valve.
Solenoid valve.
Valve. D. E. and W. N. Beckett. 2,586,906, Feb. 26.
Valve. H. W. McPherson. 2,587,357, Feb. 26.
Valve. F. W. McRae. 2,587,358, Feb. 26.
Valve and the like, Float. P. Spence. 2,587,401, Feb. 26.
Valve body with projecting seat. C. A. Glauque. 2,587,569, Feb. 26.
Valve device, Triple. J. Guillemin-Tarayre and A. Neveu. 2,587,041, Feb. 26.
Valve mechanism operated by a plurality of thermostats. N. P. McKenzie. 2,586,972, Feb. 26.
Valve structure, Reversible. H. W. McPherson. 2,587,356, Feb. 26.
Vehicle: *See*—
Toy wheeled vehicle.
Transportation vehicle.
Vehicle bogey. C. C. Clough. 2,587,031, Feb. 26.
Vehicle coupling. L. L. Peterson, 2,587,208, Feb. 26.
Vehicle jack. R. Sachtleber. 2,587,067, Feb. 26.
Vented core and mold assembly for molding machines. B. A. Vander Heyden. 2,587,413, Feb. 26.
Ventilation control mechanism. H. D. Breen. 2,587,028, Feb. 26.
Ventilator window construction. H. J. Chapman. 2,587,288, Feb. 26.
Vibrator. F. W. Side. 2,587,236, Feb. 26.
Vinyl tall oil ester coating compositions. P. E. Marling. 2,587,497, Feb. 26.
Viscose rayon, Production of. N. Drisch and R. Brapson. 2,586,796, Feb. 26.
Viscosity control apparatus. D. G. Lantz. 2,587,174, Feb. 26.
Vitamin A and related compounds, Production of. M. Freed. 2,587,457, Feb. 26.
Voucher card machine release interlock. F. R. Werner. 2,587,019, Feb. 26.
Watchcase, Tight. C. Arnoux. 2,587,087, Feb. 26.
Watch timing device. C. E. Farris. 2,587,452, Feb. 26.
Water emulsifiable metallic paste pigments. R. I. Wray and W. B. Roberts. 2,587,266, Feb. 26.
Water-emulsifiable metallic paste pigments. R. I. Wray and W. B. Roberts. 2,587,267, Feb. 20.
Water-emulsifiable metallic paste pigments. W. B. Roberts. 2,587,268, Feb. 26.
Water fountain standard. F. H. Myers. 2,586,979, Feb. 26.
Water injector and method. W. W. Cushman. 2,586,789, Feb. 26.
Waterer and feeder device. J. D. and L. K. Simmons. 2,586,872, Feb. 26.
Waterproof pilot lamp. R. Sculthorpe. 2,586,869, Feb. 26.
Weft-straightening apparatus. J. D. Robertson. 2,587,224, Feb. 26.
Well drilling, Directed. D. B. Grable. 2,586,939, Feb. 26.
Wheel balancer. H. J. Steel. 2,587,402, Feb. 26.
Wheel mounting for concrete mixers or the like, Adjustable. R. J. Kacena. 2,587,046, Feb. 26.
Window construction. G. Steingruber. 2,587,547, Feb. 26.
Window washer and wiper. S. M. Pyne. 2,587,382, Feb. 26.
Windshield wiper. H. Kessler. 2,587,168, Feb. 26.
Windshield wiper drive. G. W. Jackson. 2,587,163, Feb. 26.
Workbench, Folding. C. O. Larson. 2,587,177, Feb. 26.
Work clamp. G. H. Beck and J. Z. Foris. 2,587,025, Feb. 26.
Wrench: *See*—
Adjustable side-jaw wrench.
Toggle-actuated slidable jaw wrench.
Wringer bearing. W. L. Kauffman, II. 2,587,332, Feb. 26.
Yarn and making, Elastic. P. E. F. Clay. 2,587,117, Feb. 26.
Zinc acetate on devolatilized coal. W. H. Gehrke. 2,586,812, Feb. 26.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 26, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE : O—1952

Condition of Applications Under Examination at Close of Business February 8, 1952

Total number of patent applications awaiting action, 104,511. Date of oldest new application, April 9, 1951; date of oldest amended application, April 9, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	4-10-51	4-9-51	2155
2. HERRMAN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	7-20-51	7-16-51	1158
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	6-30-51	6-30-51	1628
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	4-20-51	4-19-51	1947
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	6-22-51	6-25-51	1263
6. SURLE, H., Carbon Chemistry (part)	6-1-51	5-25-51	1945
7. GONSALVES, J. E., Optics; Photography (part)	6-5-51	5-21-51	1242
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	4-27-51	4-27-51	1764
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	4-24-51	4-24-51	1530
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	4-27-51	4-23-51	1123
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	5-22-51	5-11-51	978
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	5-15-51	5-28-51	1133
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	4-28-51	4-27-51	1336
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	4-20-51	4-23-51	1668
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	7-12-51	6-16-51	1161
16. LOVEWELL, N. N., Television, Telephony	4-13-51	4-12-51	1267
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	4-21-51	4-24-51	2007
18. KURZ, J. A., Power Plants; Speed Responsive Devices	4-23-51	4-24-51	1484
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	5-9-51	5-7-51	1114
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	5-16-51	5-12-51	1421
21. MADER, R. C., Textiles	4-20-51	4-19-51	1412
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	4-25-51	4-25-51	1256
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-12-51	4-10-51	889
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	6-5-51	6-8-51	1577
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	6-1-51	6-1-51	1236
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	4-23-51	4-23-51	1201
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	5-3-51	5-3-51	1663
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	5-4-51	5-1-51	1419
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	5-9-51	5-4-51	1444
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	6-16-51	6-15-51	1542
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-18-51	5-28-51	2025
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	5-28-51	5-18-51	1261
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	5-1-51	5-1-51	2103
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	5-21-51	5-14-51	1369
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	4-26-51	4-17-51	1594
36. McFADYEN, A. D., Measuring and Testing	4-17-51	4-17-51	1367
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	6-2-51	5-22-51	1214
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	5-9-51	5-8-51	1540
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	5-23-51	5-24-51	2369
40. DRUMMOND, E. J., Receptacles (part); Packages	5-9-51	5-2-51	2456
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	4-23-51	4-26-51	1245

*Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 104,511. Date of oldest new application, April 9, 1951; date of oldest amended application, April 9, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	5-9-51	5-8-51	1272
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	6-6-51	5-23-51	1246
44. HARVEY, L. P., Beds; Chairs, Seats	5-3-51	5-3-51	1452
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-2-51	5-3-51	1444
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	5-14-51	5-4-51	899
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	5-21-51	5-1-51	1394
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	5-11-51	5-4-51	1596
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	5-3-51	4-27-51	1585
50. LEVIN, S., Synthetic Resins	7-16-51	7-17-51	1626
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	5-10-51	5-8-51	1079
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	5-1-51	4-23-51	2138
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	6-5-51	5-18-51	1088
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	5-17-51	5-11-51	1730
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	5-23-51	5-22-51	1148
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	6-4-51	5-24-51	1779
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	5-9-51	5-7-51	1900
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	4-27-51	4-25-51	1187
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	5-10-51	5-8-51	1165
60. LEVY, M. L., Electricity--Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	5-17-51	5-23-51	1102
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	4-26-51	4-30-51	1301
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	5-18-51	5-11-51	1415
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	5-25-51	5-29-51	1695
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	7-9-51	7-10-51	1765
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	5-23-51	5-21-51	1463
66. LISANN, L., Geometrical Instruments; Automatic Weighers; Weighing Scales	4-9-51	4-12-51	1118
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	5-19-51	5-12-51	1195
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	4-28-51	4-21-51	1751
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	4-28-51	4-27-51	1349
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	5-1-51	4-11-51	1565
DESIGNS: A. BREHM, G. L., Industrial Arts	10-1-51	10-13-51	791
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	10-5-51	11-13-51	767

Total number of trade-mark applications awaiting action (including renewals and republications), 15,440. Date of oldest new application, July 19, 1951; date of oldest amended application, July 19, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	7-19-51	7-19-51	4937
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	8-14-51	8-9-51	3101
Renewals (All Classes)	11-30-51	1-3-52	677
Republications (All Classes)	12-20-51	1-3-52	228
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	8-3-51	8-15-51	3618
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	9-4-51	8-23-51	2879

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE HONNIG

No. 5816. Decided December 18, 1951

[— F.2d —; — USPQ —]

1. PATENTABILITY—INVENTION—DISCLOSURE OF CRITICAL FEATURE NECESSARY.

Where the original disclosure in the application made no disclosure of the criticality of the ratio of solids to water in the claimed slurry, *Held* that a patent disclosing a different ratio is a proper reference, over which the claim fails to define a patentable distinction.

2. SAME—DISCLOSURE OF INVENTION—AFFIDAVITS NO SUBSTITUTE FOR DISCLOSURE IN APPLICATION.

There being no disclosure in the application specification of the criticality of the ratio of solids to water in the claimed slurry, *Held* that statements in affidavits, tending to show that the claimed type of slurry can be produced only by the claimed ratio, cannot be held to be a substitute for proper disclosure in the application.

3. SAME—PARTICULAR SUBJECT MATTER—METHODS OF MANUFACTURING HEAT INSULATION AND PRODUCTS THEREOF.

Certain claims to methods of manufacturing molded heat insulation *Held* properly rejected as broader than the original disclosure and a certain claim to a heat insulation slurry *Held* properly rejected as unpatentable over the cited prior art.

APPEAL from Patent Office. Serial No. 624,827.

AFFIRMED.

Virgil C. Kline (*Lee B. Kemon, Sidney W. Russell,* and *Rudolph J. Anderson, Jr.*, of counsel) for appellant.

E. L. Reynolds (*S. W. Cochran* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This appeal is from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner finally rejecting 3 claims of an application by appellant, Serial No. 624,827, filed October 26, 1945, for a patent on "Improvements in Molded Heat Insulation and Method of Manufacture." Thirteen method claims were allowed.

The rejected claims read as follows:

8. In manufacturing insulation blocks comprising basic magnesium carbonate reinforced with fibers, the steps comprising, charging a filter mold with an aqueous slurry comprising fibers and normal magnesium carbonate crystals, pressure filter molding the slurry solids while partially dewatering the charge, immersing the mold and mold charge in direct contact with hot water at a charge curing temperature above 140° F. during the charging and molding operations, and heat curing and drying the thus formed block.

15. A method of manufacturing magnesia insulation blocks which comprises, providing a concentrated aqueous slurry comprising normal magnesium carbonate crystals and asbestos fibers at a temperature not exceeding 120° F., rapidly diluting and heating said slurry with hot water at a temperature of about 180–210° F. in amount sufficient to raise the temperature of the slurry above 140° F., maintaining the thus diluted and heated slurry quiescent for 2–30 minutes while developing therein large flocks of interlaced fibers and crystals, molding the wet solids content of said slurry, and developing a set of the molded solids by application of heat thereto.

21. A flocculent slurry which somewhat resembles in appearance incompletely cooked oatmeal porridge and which comprises a water suspension of moldable heat hardenable material comprising voluminous tufts of interlaced normal magnesium carbonate crystals and reinforcing fibers lightly bonded together by small patches of amorphous basic magnesium carbonate on the surfaces of the crystals at points of contact between crystals and between crystals and fibers, said tufts having such substantial wet cohesive strength and bulk that they do not settle appreciably while in dilute aqueous suspension and having such water retaining capacity as to impart volume stability to molded shapes thereof contalning at least 12 parts by weight of uncombined water to one part of dry solids.

The following prior art was cited: Greider et al., 2,335,242, Nov. 30, 1943; McGarvey, 2,409,297, Oct. 15, 1946; Dinkfeld et al., 2,413,958, Jan. 7, 1947.

The involved application relates to the manufacture of molded heat insulation blocks so as to provide a magnesia block with relatively hard, attractive, and non-dusting surfaces. Such blocks are said to be stronger and lighter than those made theretofore by conventional methods. The blocks are made of conventional material, asbestos fibers being mingled with magnesium carbonate. The innovation in the process is said to produce a block of less density and relatively high strength in a shorter time than the conventional procedures.

The Greider et al. invention relates to magnesium carbonate and articles formed therefrom, and their manufacture. It is said that the invention relates specifically to the production of normal magnesium carbonate for use in making formed articles; materials which comprise normal magnesium carbonate; and formed articles comprising basic magnesium derived from normal magnesium carbonate. The blocks of the process are said to be of high strength and low density. A slurry is disclosed in the patent which has high water retention characteristics and improved bonding strength. Such slurry is produced by comminuting magnesium crystals and adding filler and water so that the slurry contains 3.5 parts of water to each part of solids. The completed slurry is placed in a mold and heated to 190° F. without pressure.

The Dinkfeld et al. patent relates to magnesia

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heat insulation and is said to be particularly related to the making of improved magnesia insulating blocks with high strength and low density. The method of the patent shows the introduction of a magnesium carbonate asbestos slurry of 1.5 to 5% solids into a mold with perforated walls. The perforations are for the purpose of passing out the excess water in the slurry charge. Steam or water is admitted to a jacket which surrounds the molds for the purpose of heating the mold walls so as to heat the charge to a temperature of from 170 to 190° F. The patentees state that by this method a partial curing of the block is obtained by directly contacting it with hot water. It is said that the resulting product is of low density without loss of strength.

It is not necessary to describe the McGarvey reference.

Claim 8 was rejected by the Primary Examiner as not being in agreement with the specification. The reason for such holding was that in the claim there is no top limit for the hot water curing, while in the specification it is disclosed that such curing must be made within the range of from 140° F. to 180° F. That claim was further rejected as unpatentable over the Dinkfeld et al. reference. The Examiner noted that the Dinkfeld reference and the involved application have the same assignee.

Claim 15 was rejected by the Examiner as being indefinite for the reason that there is no upper limit set out in the claim for the temperature of the slurry and no lower limit for the temperature of the original slurry.

The Examiner rejected claim 21 as an improper product claim. He stated in his decision that the slurry is claimed not to settle and noted that an affidavit had been filed in support of that claim, which, in his opinion, was equivocal at the point where it should be positive and therefore no conclusive showing had been made by appellant that the slurry is a stable substance. The Examiner also rejected the claim as being based on new matter. In that respect he stated that the last two lines of the claim are based on an amendment to the application which is new matter and, in answer to the contention of counsel for appellant that the amendment does not constitute new matter, he stated that there had been a failure to point out any basis therefor and found no such basis.

Claim 21 was further rejected by the Examiner as being fully met by the McGarvey reference. He noted that affidavits had been filed for the purpose of showing that such reference is not proper. He then stated that those affidavits are opinions by interested parties and were therefore accorded no weight. The claim was further rejected as unpatentable over the Greider et al. reference wherein the slurry is disclosed as one part of solids to 3.5 parts of water. In the opinion of the Examiner there is no basis in the original disclosure for assuming that the amount of water set out in the claim is critical and that the only basis for such presumption is contained in the new matter.

The Board agreed with the reasoning of the Examiner in the rejection of claims 8 and 15.

With respect to claim 21, the Board of Appeals in its decision pointed out that that claim had been rejected by the Examiner as an improper product claim; as fully met by the McGarvey reference; and as unpatentable over the Greider et al. reference. The Board did not agree with the holding of the Examiner that the two affidavits, which had been submitted to overcome the McGarvey reference, should not be considered merely because they were made by interested parties. It further stated that the Examiner did not apply the McGarvey reference and therefore that rejection by the Examiner was held to be untenable.

The only issue to be decided here on claim 21 is whether it fails to distinguish patentably over the Greider et al. patent. It may be noted that that reference discloses a slurry of 1 part solids to 3.5 parts water. The original disclosure of the involved application does not set out as critical the amount of water in the slurry as defined by the claim.

During the prosecution of the case the specification was amended by setting out that a 3-pound per cubic foot block was molded with the mold charge possessing a ratio of 1 to 12 or more solid content to that of water. The Board pointed out that in the original disclosure of the application it was said that blocks within the density range of 3 to 10 pounds per cubic foot could be produced and that appellant calculated that in producing such a block the water content would be at least 12 parts. It appears that claim 21 is based upon original claim 19, which does not appear in the record, and that claim is said by the Board to be an intermediate product possessing the ratio between solids and water of 1 to 2 to 1 to 4. That composition was said to be a suitable preparation for molding or for the application of manual shaping or troweling.

The Board, in its opinion, properly noted that there was no great correspondence between claim 19 and the composition of claim 21, which reads in part

> such water retaining capacity as to impart volume stability to molded shapes thereof containing at least 12 parts by weight of uncombined water to one part of dry solids.

[1] We find no statement in the original disclosure of appellant of the criticality of the 12 parts of water to each part of solids, and we are constrained to hold that the Greider et al. patent, disclosing a 3.5 parts of water to 1 part of solids, is a proper reference, and therefore claim 21 does not define a patentable distinction over such reference.

[2] While it may be true that statements in affidavits can be considered as properly proving that it is impossible to produce the flux and "oatmeal" appearance of the slurry specified in claim 21, nevertheless, for the reason that there is no disclosure as to the criticality of the ratios between solids and water, such as is set out in the claim, the statements in the affidavits cannot be held to be a substitute for proper disclosure in the application.

In re Dalzell et al., 35 CCPA (Patents) 1024, 166 F.2d 834, 77 USPQ 164, 612 O. G. 521; *In re Gardiner*, 36 CCPA (Patents) 748, 171 F.2d 313, 80 USPQ 99, 620 O. G. 345; *In re Ripper*, 36 CCPA (Patents) 743, 171 F.2d 297, 80 USPQ 96, 619 O. G. 855.

In our opinion, the only distinction possessed by the claim over the disclosures of the Greider et al. patent is in the amount of water dilution, and, in view of what we have said concerning lack of disclosure in the application, such ratio cannot be considered as critical.

It is clear to us that the temperature limitation of claim 8 is broader than the disclosure in the specification in that no top temperature is disclosed. Similar reasoning applies to claim 15.

[3] For the reasons hereinbefore set out, the decision of the Board of Appeals is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,835,523. (See 1,856,627.)

1,856,627, H. W. Fletcher, Cutter for earth boring drill; 1,983,316, Scott & Garfield, Three cone bit; 2,030,442, same, Roller bearing bit; 2,011,084, F. L. Scott, Mounting for drill cutters; 1,835,523, 1,865,706, C. E. Reed, Earth boring drill; 1,997,345, same, Roller cutter assembly for earth boring drill; 2,047,110, same, Earth boring apparatus; 2,058,624, same, Roller cutter drill; 2,065,742, same, Roller cutter spindle and bearing assembly for earth boring drills, D. C., W. D. Okla. (Oklahoma City), Doc. 3685, *Hughes Tool Co.* v. *Chicago Pneumatic Tool Co.* Judgment of June 5, 1950, modified—claims 1, 2, and 3 of 1,856,627, 1,983,316, and 2,011,084; and claims 4, 6, 8, 12, 13, 14, and 15 of 2,030,442 held valid and infringed; claims 1, 3, and 6 of 1,835,523; claims 2, 13, 15, 16, 17 of 1,865,706; claims 1, 2, 3, 4, 7, 8, 9, 13, 14, and 15 of 1,997,345; claims 36 and 42 of 2,047,110; claims 1, 2, 3, 8, 11, and 12 of 2,058,624; claims 5 and 7 of 2,065,742 held not infringed; defendant's counterclaim dismissed Jan. 21, 1952.

1,865,475, S. Marcus, Movable eye set for dolls; 2,254,231, same, Manufacture of doll eyes; 2,254,232, same, Doll eye and method of making same; 2,280,245, same, Manufacture of doll eye assembly, D. C., E. D. N. Y. (Brooklyn), Doc. 9106, *Margon Corp.* v. *Winslow Metal Mfg. Co., Inc., et al.* All patents held infringed; injunction as to 2,254,231, 2,254,232, 2,280,245, Jan. 24, 1952.

1,865,706. (See 1,856,627.) 1,983,316. (See 1,856,627.)

1,997,345. (See 1,856,627.) 2,011,084. (See 1,856,627.)

2,030,442. (See 1,856,627.) 2,047,110. (See 1,856,627.)

2,058,624. (See 1,856,627.) 2,065,742. (See 1,856,627.)

2,192,525, Rosaire & Horvitz, Geopysical prospecting method; 2,324,085, same, Geochemical well logging, filed Jan. 21, 1952, D. C., S. D. Tex. (Houston), Doc. 6590, *E. E. Rosaire* v. *Core Laboratories, Inc.*

2,254,231. (See 1,865,475.) 2,254,232. (See 1,865,475.)

2,280,245. (See 1,865,475.) 2,324,085. (See 2,192,525.)

2,422,497, S. E. Noyes, Dental impression composition, filed Jan. 18, 1952, D. C., S. D. N. Y., Doc. 72/314, *Dental Perfection Co.* v. *Plastodent, Inc.*

2,452,529, 2,452,530, J. L. Snoek, Magnet core; 2,452,531, same, Process of manufacturing a magnetic material, and magnetic core; 2,499,89, J. A. Smelt, Method of manufacturing magnetic cores; 2,551,711, J. L. Snoek et al., Manganese zinc ferrite core; 2,579,978, same, Soft ferromagnetic material and method of making same, suit for declaratory judgment filed Jan. 24, 1952, D. C., S. D. N. Y., Doc. 72382, *H. L. Crowley & Co., Inc.* v. *Philips Laboratories, Inc., et al.*

2,452,530 (See 2,452,529.) 2,452,531. (See 2,452,529.)

2,471,394, R. Gubner, Salicylate and luccinate therapeutic preparations (declaratory judgment), D. C., S. D. N. Y., Doc. 54/327, *Rhodes Pharmacal Co., Inc.* v. *Dolcin Corp.* Consent judgment—plaintiff admits validity of defendant's patent; complaint and counter-claim dismissed Jan. 22, 1952.

2,499,789. (See 2,452,529.)

2,503,354, O. T. Quinn, Sr., Bailing press, filed Jan. 22, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 13763-*WM*, *Apex Steel Corp., Ltd.* v. *O. T. Quinn, Sr., et al.*

2,524,966, A. L. Eisenman, Chlorinating unit, filed Jan. 23, 1952, D. C., W. D. Mo. (Kansas City), Doc. 7333, *Paddock Engineering Co. of Texas* v. *K-B Pump Co., Inc.*

2,551,711. (See 2,452,529.) 2,579,978. (See 2,452,529.)

Des. 165,314, H. Weissman, Spectacle front, filed Jan. 25, 1952, D. C., E. D. N. Y., Doc. 12405, *Paramount Optical Mfg. Co. et al.* v. *Blue Ribbon Optical Co.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 101,858, T. M. 218,398, Lorraine Mfg. Co., Cotton piece goods; T. M. 330,739, same, Men's and boys' suits, coats, etc.; T. M. 500,194, T. M. 500,601, same, Piece goods of woolen, silk, etc., D. C. N. J. (Newark), Doc. 11729, *Lorraine Mfg. Co.* v. *Lorraine Mfg. Co., Inc.* Judgment for injunction Jan. 23, 1952.

T. M. 218,398. (See T. M. 101,858.)

T. M. 330,739. (See T. M. 101,858.)

T. M. 500,194. (See T. M. 101,858.)

T. M. 500,601. (See T. M. 101,858.)

NOTICES

Adjudicated Patents

(D. C. Ill.) Goodwin Patent No. 2,053,989, for a bolster damper. Claim 10 *Held* invalid. *Holland Co.* v. *American Steel Foundries*, 101 F. Supp. 388; — USPQ —.

(C. A. Ohio) Gardner Patent No. 2,083,442, for a humidifying display cabinet. Claim 1 *Held* invalid. *C. V. Hill & Co.* v. *Weber Showcase & Fixture Co.*, 192 F.2d 834; 92 USPQ 12.

(C. A. Ohio) Caulk and Davis Patent No. 2,382,937, for an open refrigerated display case, *Held* invalid. *Id.*

(C. A. Ohio) Hill Design Patent No. 132,475, for a self-service display case, *Held* not infringed. *Id.*

(C. A. Ohio) Hoffman Design Patent No. 144,380, for a self-service display case, *Held* not infringed. *Id.*

(D. C. N. Y.) Grinoch Design Patent No. 150,851, for a pleated necktie, *Held* invalid. *Grinoch* v. *Tuxton Cravats, Inc.*, 101 F. Supp. 391; — USPQ —.

Erratum

All references to Patent No. 2,585,280 to Walter H. Silver and William V. Lohrman, assignors to Deere & Company, for Plow appearing in the OFFICIAL GAZETTE of February 12, 1952, should be deleted as the application was withdrawn from issue and the patent was not issued.

Applications for Extension of Patents

VETERANS

PUBLIC LAW 598—*81st Congress*

Applications for extension of the following patents have been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (636 O. G. 1066).

Any person who believes that he would be injured by the extension of the patents cited below may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentees.

William Hupp Sands, et al.	2,129,627	Sept. 6, 1938
Howard Nelson Moore	2,270,686	Jan. 20, 1942

JOHN A. MARZALL,
Commissioner.

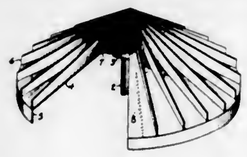
2,129,627
DISPENSING DEVICE
William Hupp Sands and Howard Nelson Moore, Gambrills, Md. Granted Sept. 6, 1938
1 Claim. (Cl. 128—271)



1. In dispensing means for medicaments or the like, an elongate collapsible tubular container adapted to contain said material, a readily removable closure for one end of said container, the opposite end of said container being closed, said tubular container having throughout its length a small transverse dimension as compared to its longitudinal dimension, said tubular container being so constructed that it may be easily inserted into a body cavity and progressively collapsed upon withdrawal by pressure substantially transverse to its longitudinal axis whereby a portion of its contents is ejected into said body cavity, said tubular container having substantially the same cross-sectional area throughout that portion of its length which is to be inserted in a body cavity.

2,270,686
IMPELLING DEVICE
Howard Nelson Moore, Washington, D. C.
Granted Jan. 20, 1942
1 Claim. (Cl. 170—135)

1. A propeller designed to operate at high speed in a gas, said propeller comprising a substantially continuous smooth disc mounted for rotation about its center of gravity, a plurality of substantially radial, low, elongate projections on only one surface of the disc, the working faces of said projections being substantially normal to the surface of the disc, the ratio of the height of said projections to the mean diameter of said disc being less than five hundredths, said projections acting on the gas in such manner that the major portion of the effective energy supplied to the propeller is utilized in imparting angular velocity to the gas and causing it to move away from the center of rotation, whereby a pressure differential is maintained between opposite surfaces of the disc.



Extension of Patents Granted

Patent No. 1,971,057. GOLF BALL PRACTICE MACHINES. Granted Aug. 21, 1934. Milton T. Thompson. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 11 months and 25 days from the expiration of the original term thereof.

Patent No. 2,003,503. ROOFING OR SURFACING MATERIAL. Granted June 4, 1935. Sidney Lanier Eason. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 57 days from the expiration of the original term thereof.

Patent No. 2,042,353. CONNECTION FOR STRUCTURAL MEMBERS. Granted May 26, 1936. Terry Bryan Morehouse. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 5 years and 38 days from the expiration of the original term thereof.

Patent No. 2,116,028. FEED WATER ECONOMIZER. Granted May 3, 1938. George Leonidas Kottes. The above cited patent has been extended under the provisions of act of June 30, 1950, 64 Stat. 316 for 7 years and 173 days, from the expiration of the original term thereof.

Patent No. 2,123,971. HOSIERY. Granted July 19, 1938. Maurice Albert Salembier, Jr. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 32 days from the expiration of the original term thereof.

Patent No. 2,142,436. FLAME CUTTING APPARATUS. Granted Jan. 3, 1939. Robert J. Clabeaux. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 30 days from the expiration of the original term thereof.

Patent No. 2,215,349. ROOFING OR SURFACING MATERIAL. Granted Sept. 17, 1940. Sidney Lanier Eason. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 57 days from the expiration of the original term thereof.

Patent No. 2,296,999. FEED WATER ECONOMIZER. Granted Sept. 29, 1942. George Leonidas Kottes. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 5 years and 311 days from the expiration of the original term thereof.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The following five patents are owned by Sylvanus W. Bramley. Correspondence concerning the patents should be directed to Joseph V. Meigs, 274 Madison Ave., New York 16, N. Y.

Pat. 2,552,141. Electrical Switch. Patented May 8, 1951. Switch mechanism for ignition system of an internal combustion engine. A movable contact pole pivotally mounted on the free end of a pivoted lever is normally spring biased toward and into engagement with a fixed contact pole with a wiping contact portion extending beyond the fixed pole. A rotatable shaft carries a cam to oscillate the lever. As the lever is moved to one position, the pivoted pole is maintained in wiping contact with the fixed pole and then swung away from the fixed pole by a second cam carried by the shaft. The second cam maintains the pivoted pole spaced from the fixed pole until the lever is moved in the opposite direction to a second position. The pivoted pole is then released and snaps into engagement with the fixed pole. Groups 36—19—41; 38—31. Reg. No. 46,623.

Pat. 2,412,077. Clock Winding Mechanism. Patented Dec. 3, 1946. Reg. No. 46,624.

Pat. 2,442,395. Electromagnetic Clock Winding Mechanism. Patented June 1, 1948. Reg. No. 46,625.

Pat. 2,490,013. Electrical Switch. Patented Dec. 6, 1949. Reg. No. 46,626.

Pat. 2,554,517. Electromagnetic Clock Winding Mechanism. Patented May 29, 1951. Reg. No. 46,627.

These four patents relate to automatic clock winding mechanisms in which an electromagnet is periodically energized to accomplish the winding. The magnet, when energized, rotates an armature to store energy in a spring. The energy of the spring is then employed to rotate the armature in the opposite direction to operate clock mechanism. When the energy of the spring is partially dissipated, a switch is automatically closed by movement of the armature to energize the magnet and restore energy to the spring. The switch remains closed until the armature has been rotated a predetermined amount to fully tension the spring. Groups 34—61; 36—19.

Pat. 2,568,874. Portable Tool for Forcing a Tire Bead From Its Associated Rim Flanges. Patented Sept. 25, 1951. Tool for removing tires from vehicle wheels or rims has a framework to grip the flange of a rim or tire wheel. Framework has an extended portion projecting over and in alignment with the tire, permitting the interposition of a standard automobile jack between the extended portion and upper surface of tire. Expansion of jack will force the tire lips and disengage them from the felly of the wheel or its rim. The device is adjustable to accommodate rims and wheel flanges of various widths and may be used with removable rims or spoked wheels or wheels having central hubs. (Owner) Leonard Vanleirsberghe, 553 East Roosevelt Road, Elmhurst, Ill. Groups 33—52—73; 38—31. Reg. No. 46,628.

Pat. 2,564,546. Method of Separating Ores by Treatment With a Gaseous Polyhalosilane. Patented Aug. 14, 1951. This invention relates to a method or process of separating ores by treatment with a gaseous polyhalosilane. The ore is crushed to particle size, and these particles sifted through a zone of polyhalosilane to render them hydrophobic so that, when the treated particles are introduced below the surface of a body of water, they are caused to rise to the surface of the water to be skimmed off. By varying the period of contact between the gas or vapor and the particles to be treated, or by varying the degree of concentration in the gas or vapor chambers, a predetermined degree of hydrophobic treatment and resultant separation is accomplished. (Owner) Carl H. Scheu. Correspondence to Hawgood and Van Horn (Attention: Arthur H. Van Horn), Leader Building, Cleveland 14, Ohio. Groups 28—88; 32—95; 33—11; 34—11—14—16. Reg. No. 46,629.

Pat. 2,475,686. Device for Applying Liquid Fertilizer. Patented July 12, 1949. A crop-spraying device to be connected to a tractor or the like has a frame partially supported by a swivel wheel assembly. A fluid supply tank is carried by the frame. A pump mounted on the swivel assembly is driven by the swivel wheel. Tank and pump are connected by a fluid flow circuit which terminates at a discharge point. Fluid-conducting tubes between the tank and pump, and between the pump and discharge point, pass through a hollow shaft of the wheel assembly to minimize entanglement of the tubes when the wheel assembly is rotated. (Owner) Philip C. Anderson, The Anderson-Rawlings Co., 10th and Oak Sts., Crete, Nebr. Group 35—22. Reg. No. 46,630.

Pat. 2,568,832. Wagon and Truck Body Seat. Patented Sept. 25, 1951. A removable additional seat for truck bodies of the pick-up type has adjustable supporting arms to support the seat between the walls of truck bodies of different widths. Struts extend downwardly from the four corners of the seat to which the supporting arms are pivotally attached. Bolts extend through the struts and arms to limit outward movement of the arms. Springs on the bolts urge the arms outwardly so the arms may be extended or retracted. (Owner) Marshall E. Stone, Monticello, Ky. Groups 25—31—99; 37—99; 38—22. Reg. No. 46,631.

Pat. 2,455,068. Tonsillar Instrument. Patented Nov. 30, 1948. An instrument for use in treating patients after tonsillectomy is designed to reduce bleeding and pain and to prevent infection. The instrument comprises a pair of spaced tubes having angular forward end portions to which grooved apertured knobs are attached. The tubes are connected at their outer ends in such a way that a threaded rod may be turned by a knurled head to spread or contract the tubes. After tonsils have been removed, the knobs are covered with gauze and pressed into the tonsillar fossae by manipulating the knurled head. Medicine introduced into the tubes is then dispersed throughout the gauze and into the fossae. The outer ends of the tubes are provided with adapters to enable a syringe to be connected to the instrument. (Owner) Victor E. Landry, Collins, Miss. Group 39—15. Reg. No. 46,632.

Pat. 2,542,491. Method and Apparatus for Cleaning the Jackets of Paint Rollers. Patented Feb. 20, 1951. A method and device for cleaning paint roller jackets. The jacket is removed from its roller and telescoped upon a shaft-carried skeleton frame. The shaft has threaded ends and apertured flanged heads mounted thereon by binding nuts. Bowed spring strips are secured to the heads to frictionally grip the jacket. One end of shaft is attached to a driving mechanism. The jacket-covered frame is immersed in a vessel containing a cleaning solution. The shaft is rotated at high speed, removing all paint from the jacket. Frame and jacket are then placed in an empty vessel, and the shaft rotated to dry the jacket. (Owner) Arthur Engel, 2719 North 50th St., Milwaukee 10, Wis. Groups 28—11—93; 35—55—59; 36—21; 39—22. Reg. No. 46,633.

Pat. 2,564,805. Rock Picker and Loader. Patented Aug. 21, 1951. Automatic machine for attachment to a tractor or the like to clear a plowed or harrowed field of rocks, stones, etc. A wheeled frame carries a transversely extending axle supporting a revoluble reel. Tines with scooping tips are mounted on the reel, and rake heads are provided intermediate the tines. Chutes are attached to the reel inwardly of the tines. A loading conveyor at side of reel receives the material from the chutes as the machine is being drawn over the ground, and feeds the material into a discharge spout. Spring supports at the ends of the axle may be adjusted by a hand lever to raise and lower the reel. (Owner) Smith Fry, Box 234, Mansfield, Mo. Group 35—22. Reg. No. 46,634.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for license may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The following 16 patents relate, for the most part, to electrical refrigerators and parts therefor. Also included in the list are: Abrading machines; ionization apparatus; a grille for air circulators; and a fan for circulating air through a radiator. Groups 33—61—71; 34—95; 35—41—84; 36—11—19—31.

Pat. 2,019,333. Production of Ions in Air or Other Gas. Oct. 29, 1935. Reg. No. 46,635.

Pat. 2,039,053. Refrigerating Machine. Apr. 28, 1936. Reg. No. 46,636.

Pat. 2,042,497. Refrigerating Machine. June 2, 1936. Reg. No. 46,637.

Pat. 2,056,023. Heat Exchange Apparatus. Sept. 29, 1936. Reg. No. 46,638.

Pat. 2,058,990. Intake Muffler. Oct. 27, 1936. Reg. No. 46,639.

Pat. 2,059,861. Retaining Collar for Food Cabinets. Nov. 3, 1936. Reg. No. 46,640.

Pat. 2,060,649. Refrigerant Compressor. Nov. 10, 1936. Reg. No. 46,641.

Pat. 2,063,682. Machine Mounting. Dec. 8, 1936. Reg. No. 46,642.

Pat. 2,073,516. Refrigerating System. Mar. 9, 1937. Reg. No. 46,643.

Pat. 2,186,837. Fan. Jan. 9, 1940. Reg No. 46,644.

Pat. 2,232,568. Cooling Unit. Feb. 18, 1941. Reg. No. 46,645.

Pat. 2,251,607. Abrading Machine. Aug. 5, 1941. Reg. No. 46,646.

Pat. 2,267,391. Abrading Machine. Dec. 23, 1941. Reg. No. 46,647.

Pat. 2,288,285. Dehydrator. June 30, 1942. Reg. No. 46,648.

Pat. 2,290,713. Grille for Air Circulators. July 21, 1942. Reg. No. 46,649.

Pat. 2,302,447. Compressor Valve. Nov. 17, 1942. Reg. No. 46,650.

The following six patents relate to: Methods of making silicon-containing compounds, and magnetic cores; a magnetic device for measuring the viscosity of fluids; a removable shelf for refrigerators; a torque meter for use on high speed rotating shafts; and a commutator type dynamoelectric machine. Groups 28—34—88; 32—95; 35—84; 36—13—19; 39—11.

Pat. 2,563,516. Alkyl 3-Thia-7-Sila-7,7,7-Trialkoxyheptanoates. Aug. 7, 1951. Reg. No. 46,651.

Pat. 2,563,520. Powdered Iron Core. Aug. 7, 1951. Reg. No. 46,652.

Pat. 2,563,567. Viscosimeter. Aug. 7, 1951. Reg. No. 46,653.

Pat. 2,564,478. Removable Shelf. Aug. 14, 1951. Reg. No. 46,654.

Pat. 2,564,484. Electrical Torque Meter. Aug. 14, 1951. Reg. No. 46,655.

Pat. 2,564,514. Speed Controlling Arrangement for Dynamoelectric Machines. Aug. 14, 1951. Reg. No. 46,656.

The following three patents relate to: An antenna system of the type employing a parabolic reflector; a vitreous electrical insulating material; and a coffee maker. Groups 32—64; 36—11—21—31—61.

Pat. 2,566,900. Ultra High Frequency Antenna System. Patented Sept. 4, 1951. Reg. No. 46,657.

Pat. 2,566,902. Vitreous Material and Method of Making. Patented Sept. 4, 1951. Reg. No. 46,658.

Pat. 2,566,916. Side-by-Side Coffee Maker. Patented Sept. 4, 1951. Reg. No. 46,659.

The following six patents relate to: An electrolytic capacitor which will operate over a wide range of temperatures; a hinge construction for toasters, waffle irons, and the like; a galvanometer; a silicon-containing compound; a three phase magnetic amplifier control system; and a magnetic detector for textile weaving looms to actuate stopping mechanism in event of abnormal shuttle motion. Groups 28—88; 35—52; 36—13—19—21—61.

Pat. 2,566,908. Electrolytic Capacitor. Sept. 4, 1951. Reg. No. 46,660.

Pat. 2,566,915. Hinge Construction for Electric Heating Devices. Sept. 4, 1951. Reg. No. 46,661.

Pat. 2,567,688. Direct-Current Meter Damping Arrangement. Sept. 11, 1951. Reg. No. 46,662.

Pat. 2,567,724. Polysilthianes. Sept. 11, 1951. Reg. No. 46,663.

Pat. 2,567,725. Three Phase Control System Employing Saturable Reactors. Sept. 11, 1951. Reg. No. 46,664.

Pat. 2,567,751. Magnetic Shuttle Detector. Sept. 11, 1951. Reg. No. 46,665.

The following three patents relate to: A tone arm for phonographs; a single side band modulator; and an electronic arrangement for introducing time delay in the application of power to a circuit. Group 36—19—61.

Pat. 2,568,447. Phonograph Tone Arm. Sept. 18, 1951. Reg. No. 46,666.

Pat. 2,569,279. Single Side Band Modulator. Sept. 25, 1951. Reg. No. 46,667.

Pat. 2,569,362. Delay Circuit. Sept. 25, 1951. Reg. No. 46,668.

United States Government Owned Patent

The following patent is the property of the United States of America as represented by the Secretary of the Interior by virtue of an assignment from the inventors, Milton Orchin and Elkin Oscar Woolfolk. Non-exclusive and royalty-free licenses are available. Applications for license should be directed to the Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,566,357. Synthesis of Di-Aryl Cyclic Ethers. Patented Sept. 4, 1951. (Granted under the act of Mar. 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A method for the preparation of aromatic cyclic ethers, comprising the step of dehydrogenating 2'-hydroxy-1-phenylnaphthalene wherein the 2- and 8-positions in the naphthalene nucleus are unsubstituted by heating in the liquid phase in the presence of a dehydrogenation catalyst (preferably palladium), or until vaporization takes place and then passing the heated vapors over a dehydrogenation catalyst (preferably chromia-alumina). Group 28—89. Reg. No. 46,669.

United States Government Owned Application

Case No. 24. Application for Letters Patent of the United States, entitled "Washing Apparatus," filed by Paul E. Whittington; all right, title and interest assigned to the Government of the United States, as represented by Secretary of the Army. This is available for licenses only.

Applicants for licenses should apply to the Secretary of the Army, identifying the above application as Case No. 24.

This application discloses and claims a pre-flushing device for flushing scraps from dishes and other tableware, and for salvaging any silverware left on the tableware. The flushing apparatus comprises a casing with a removable basket spaced from the top and bottom of the casing, a removable imperforate work platform centered in the upper portion of the casing to provide a narrow substantially continuous gap about the periphery of the platform to pass water and scraps from the platform to the basket. Water passes through the basket to the bottom of the casing and is pumped to a nozzle arranged to throw a stream of water onto the work platform. The silverware remains on the platform. Groups 35—89; 36—21. Reg. No. 46,670.

Patent Removed from Register

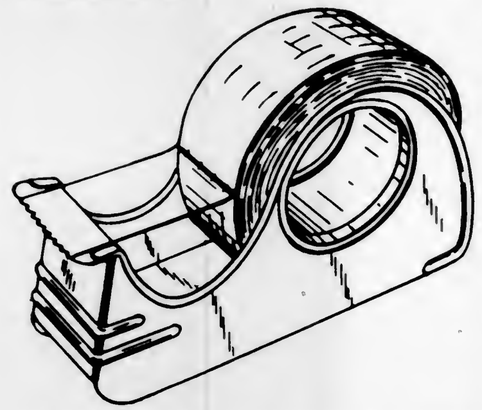
Pat. 2,521,262. Electric Motor-Driven Lawn Mower. Listed by William T. Smith in OFFICIAL GAZETTE, Dec. 26, 1950, Reg. No. 39,158.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING JANUARY, 1952

EX PARTE MINNESOTA MINING & MANUFACTURING Co., 173 Ms. D. 606, 92 USPQ 74, January 8, 1952.

Application was made for registration upon the Principal Register under the Trade-Mark Act of 1946, under the provisions of section 2(f) of the act, of an alleged trade-mark shown in Figure 1 of the drawing, as follows:



The Examiner refused registration on essentially two grounds: first, that an article of this nature cannot be registered as a trade-mark on the Principal Register; and second, that the article is the subject of design patent owned by applicant and hence cannot also be registered as a trade-mark. *Examiner-in-Chief Federico* affirmed.

After noting that it does not appear to be questioned that an article of the nature here presented could not have been registered as a trade-mark under the Trade-Mark Act of 1905, so that the principal question to be determined in connection with the first ground of refusal is whether the Trade-Mark Act of 1946 made such changes in the law that such an article can be registered on the Principal Register established by the act, it was held that the subject matter sought to be registered cannot be registered on the Principal Register under the Trade-Mark Act of 1946.

After noting that applicant is the owner of Design Patent 116,599, September 12, 1939 (term fourteen years), for the same article now sought to be registered as a trade-mark, it was held that upon the expiration of a design patent, the subject matter becomes dedicated to the public, and that an extension of protection cannot be obtained under the form of trade-mark or analogous protection; the fact that the design patent has not yet expired is considered immaterial, for if the design can not be registered as a trade-mark after the expiration, it certainly should not be registered shortly before the expiration.

CAMEO, INC. *v.* HENRY T. PHILLIPS (MCCLUNG CHEMICAL COMPANY, RENEWANT) (ELIZABETH M. PHILLIPS, ASSIGNEE SUBSTITUTED), 173 Ms. D. 610, 92 USPQ 77, January 10, 1952, Cancellation No. 5456.

Registration No. 139,869 was obtained for a mark comprising the word "Cameo" and a profile of a female head in an oval, used for a nail polish. A petition for cancellation was filed, petitioner alleging that it had filed an application for registration of the trade-mark "Cameo" for use on nail polish, and that registration was refused in view of the registration now sought to be canceled. Petitioner urged that the renewal of the respondent's registration is of no effect and that the mark has been abandoned. The Examiner of Interferences dismissed the petition. *Examiner-in-Chief Federico* affirmed.

It was held that petitioner's case stands without any evidence of its use of the mark prior to the taking of the depositions, or at the time of the filing of the petition for cancellation.

As to the renewal, it was held that the failure to produce an assignment from the administrator to the heirs, where the two heirs continued the business of the deceased, was not such a defect in the title as would warrant cancellation of the registration at the instance of the present petitioner or would warrant considering the respondent as having no standing to defend the present proceeding.

With respect to the question of abandonment, it was held that petitioner has not sustained the burden of proof of showing abandonment of the trade-mark, where the record indicated that the business was dormant since the war or approximately three years due to inability to obtain necessary materials.

THE DE MARTINI MACARONI CO. INC. *v.* S. A. PASTIFICIO NICOLA DELFINO & FIGLI (NOW BY CHANGE OF NAME PASTIFICIO SPIGA SOCIETA PER AZIONI-PESCARA), 173 Ms. D. 613, 92 USPQ 79, January 11, 1952, Cancellation No. 5287.

Registration No. 303,254 was obtained for a composite mark consisting of the notation S. P. I. G. A. and the representation of an ear or spike of grain. A petition for cancellation was filed raising a number of different grounds for cancellation which were considered by the Examiner, but the appeal is confined to a single ground for cancellation, namely, fraud in obtaining the registration. The Examiner

of Interferences dismissed the petition. *Examiner-in-Chief Federico* affirmed.

As to petitioner's allegation of misrepresentation in a reply to an Examiner's action during the prosecution of the application, it was held that the Examiner of Interferences rightly ruled that the circumstances involved no factual misrepresentation, since although petitioner seems to believe that the presence or absence of the periods in the mark would have made a difference in the nature of the action by the Office, it is inconceivable that it would have done so.

With respect to petitioner's allegation that there were no specimens with the application, it was held that the allegation that there are no specimens is without foundation, since specimens were filed and the specimens are in the record of the application.

As to petitioner's allegation of misrepresentation of applicant's corporate name when applying for the registration, because prior to applying for the U. S. registration the name had been changed to include the word "Spiga," which is the trade-mark, and the new name was deliberately concealed from the Patent Office for fraudulent reasons, it was held that since petitioner's testimony with respect to the names is not properly in the case, the contention based on it is likewise not properly in the case, but if it were it could only be dismissed as sham.

After noting that the Examiner of Interferences also dismissed the petition on the ground that petitioner has no standing to file the petition, it was held that since petitioner's belief contains no argument on this point other than an assertion that the Examiner was in error, and since the grounds for cancellation raised by petitioner in the appeal are considered and held insufficient, there is no necessity for discussing this particular matter.

EX PARTE SOCIETE HORLOGERE DE PORRENTRUY, PHENIX WATCH CO. S. A., 173 Ms. D. 617, 92 USPQ 93, January 14, 1952.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration on the Principal Register in accordance with the act of July 5, 1946, of the mark "PHENIX" for clocks, watches, parts of watches, on the ground that registration is prohibited to the applicant under section 2(d) of the act of 1946 in view of the Registration No. 433,096, disclosing the mark "Phoenix" for necklaces, bracelets, finger rings, jewelry clips, brooches and earrings.

It was held that it is clear that in view of the substantial identity between the marks and the general similarity of the goods involved there would be likelihood of confusion as to the source of origin of the applicant's goods.

After noting that subsequent to the filing of the appeal the applicant filed a letter of consent executed by the owners of Registration No. 433,096, it was held that while letters of consent are entitled to consideration, in this case, in view of the substantial identity of the marks and the similarity of the goods in nature, the letter of consent filed by applicant is not sufficient to remove the likelihood of confusion among purchasers of the goods of the respective parties.

EX PARTE THE B. F. GOODRICH COMPANY, 173 Ms. D. 616, 92 USPQ 148, January 14, 1952.

Assistant Commissioner Klinge denied a petition for reconsideration of his decision (655 O. G. 895, — USPQ —) affirming that of the Examiner refusing registration of the applicant's slogan on the Principal Register.

In response to petitioner's contention that the decision was based upon an earlier decision which was reversed upon appeal, it was held that the reversal by the court of the decision of the Commissioner referred to is not considered controlling in the present appeal since the marks involved are entirely different; each case must rest upon its own merits.

HAAS BROTHERS *v.* TRU-PAK PRODUCTS, CORP., 173 Ms. D. 619, 92 USPQ 96, January 14, 1952, Cancellation No. 5376.

Registration No. 441,744 was obtained under the act of 1905 for the mark "Tru-Pak," used for chocolated laxatives, cold laxatives, chewing gum laxatives, milk of magnesia tablets and asplrin tablets in class 6, Chemicals, medicines, and pharmaceutical preparations. A petition for cancellation was filed asserting the prior use of the mark "TRUPAK" for about 80 items and also reciting four trade-mark registrations. One registration issued on an application filed subsequent to the application for registration by respondent was held to be of no effect in establishing any prior rights in the petitioner. The other registrations, all in class 46, Foods and ingredients of foods, were for canned fruits and vegetables, fresh citrous fruits, and canned fruit juices, berry juices, and vegetable juices used for food purposes, respectively. Petitioner also proved prior use of the mark "TRUPAK" applied to an extensive list of food products. The Examiner of Interferences dismissed the petition. *Examiner-in-Chief Federico* affirmed.

It was held that the Examiner of Interferences rightly ruled that there would be no reasonable likelihood of confusion or mistake or deception of purchasers, since petitioner is in the grocery business and its goods are all food products or ingredients used in the preparation of foods whereas the goods of respondent are solely medicinal in character; while petitioner argues that olive oil and mustard can be used for medicinal purposes, petitioner's testimony as a whole emphasizes that it is concerned with grocery items.

After noting the failure of the appellant-petitioner to file a brief on appeal within the time specified by the rules and in the notice setting the date of hearing, and the denial of a motion for an extension of time, it was held that appellant's brief is not properly in the case and must be disregarded.

After noting that appellee, about two weeks after the time for filing its brief on appeal had passed, filed a paper entitled a brief which requested that two briefs and two memoranda which had been filed before the Examiner of Interferences be considerd as its brief on appeal, it was held that it is not believed proper to consider the earlier papers as a brief on appeal and appellee's request is denied.

After noting that both parties appeared at the hearing and argued orally, it was held that the appeal has been considered on the oral arguments, without written briefs on appeal, but the entire record, including the briefs of both parties before the Examiner of Interferences, has been reviewed.

SHRAGE & PINES (MAX SHRAGE COMPANY, INC., ASSIGNEE, SUBSTITUTED) *v.* KAYLON INCORPORATED, 173 Ms. D. 621, 92 USPQ 98, January 15, 1952, Oppositions Nos. 28,551, 28,557, 28,558, and 28,559.

Applications were filed for the registration of the marks "TOMMIECOAT," "TOMIEGOWN," and "TINY TOMMIES" used for ladies' pajamas, pajama coats, beach coats, utility coats and bath robes. Application was also made for registration of the mark "TOMMIE SHIRT" used for ladies' pajama shirts. The words "SHIRT" and "TINY" have been disclaimed apart from the marks as shown. Four opposition proceedings were instituted. Opposer relied upon prior use and ownership of the trade-mark "TOMMY TUCKER," disclosed in Registration No. 148,909 for boys' shirts and blouses. Opposer also relied upon Registration No. 433,466 disclosing the same mark with the addition of a picture of a small boy playing a banjo and apparently singing, applied to sportswear—namely, polo shirts; boys' shirts and blouses. The Examiner of Interferences dismissed the oppositions. *Examiner-in-Chief Federico* affirmed.

It was held that the Examiner of Interferences was right in ruling that the cumulative differences between the specific marks and specific goods are such that there would be no likelihood of confusion.

THE ARCO COMPANY *v.* THE BISSELL VARNISH COMPANY, 173 Ms. D. 626, 92 USPQ 99, January 16, 1952, Opposition No. 28,758.

Application was made for the registration of the mark "BI-VAR-CO" for oil paints in paste or liquid form and paint enamels. Opposition was filed based upon opposer's prior use and ownership of the registered mark "ARCO" for ready-mixed paints and varnishes, and also prior use and ownership of other marks, registered and unregistered for similar goods containing the term "ARCO," such as "ARCOTUM," "ARCOZON," "ARCOVAR," "ARCO-RAYS," and "ARCOTONE." The Examiner of Interferences dismissed the opposition. *Examiner-in-Chief Federico* affirmed.

It was held that the Examiner was right in ruling that the term "ARCO" is not separately displayed or otherwise emphasized as a feature of applicant's mark "BI-VAR-CO" and that when separately compared with each of the marks relied upon by the opposer applicant's mark differs sufficiently from each of them as to insure against reasonable likelihood of confusion.

After noting that an additional unregistered mark of the opposer, "GALVARCO," was introduced in the testimony, although it had not been pleaded, in response to opposer's allegation of error in the refusal of the Examiner to consider the additional mark and in denying the motion to amend the notice of opposition, it was held that a notice of opposition stating the grounds therefor must be filed within a period specified by statute and amendments of substance to notices of opposition proposed after the period has expired have been consistently refused consideration by the Patent Office and it has also been specifically held that Rule 15 of the Federal Rules of Civil Procedure does not apply to the notice of opposition.

SUSSBERG & FEINBERG, INC. *v.* THE EASTERN ISLES, INC., 173 Ms. D. 623, 92 USPQ 92, January 16, 1952, Cancellation No. 5551.

Registration No. 518,509 was obtained for the trade-mark "TREASURES IN LINGERIE" used on bed jackets, brunch coats, house coats, house dresses, night gowns, pajamas, panties, petticoats, robes, sleep coats, and slips. Petition for cancellation was filed based upon petitioner's registration No. 367,231 of the mark "Radelle FINE LINGERIE 'She Treasures'". The Examiner of Trade-Mark Interferences sustained the petition. *Assistant Commissioner Klinge* affirmed.

It was held that the word "Treasures" is undoubtedly the only distinctive feature in each mark and clearly dominates both of them, so that when the marks are considered in their entireties, as respondent contends they should be, likelihood of confusion is inescapable, since there is no more substantial difference between them when so considered than there is in the only distinctive and dominant feature common to both, namely, the word "Treasures."

In response to respondent's contention that petitioner failed to establish use of its registered mark relied upon in this proceeding at or about the time the petition was filed, because the mark as shown in the specimen filed by petitioner omits the word "FINE" which appears in the registration, it was held that the omission of the word "FINE" from the wrapper is an inconsequential modification of the petitioner's mark appearing on its registration which in no way impairs the petitioner's rights in this proceeding, the word "FINE" being merely descriptive and having no trade-mark significance.

BROWN & BIGELOW *v.* THE INTERNATIONAL SILVER COMPANY, 173 Ms. D. 632, 92 USPQ 148, January 24, 1952, Opposition No. 27,803.

The applicant in this opposition filed a counterclaim for cancellation of registrations relied upon

by the opposer, alleging in effect that opposer's marks are descriptive. Opposer answered the counterclaim. Opposer moved to amend its reply to the counterclaim to include the affirmative defense of laches on applicant's part in seeking to cancel opposer's registrations, and to dismiss applicant's counterclaim for cancellation on the ground of laches. The Examiner of Interferences denied the motions, holding that mere delay in bringing a proceeding, unaccompanied by circumstances sufficient to create an estoppel cannot sustain the defense of laches, and that laches cannot constitute a defense to the charge of descriptiveness upon which the opposer's registrations have been challenged in the counterclaim. *Assistant Commissioner Klinge* denied a petition requesting review of the decision of the Examiner of Interferences.

It was held that there was no abuse of discretion on the part of the Examiner and his decision is considered correct, since there is no duty on the part of the public to act promptly in adopting or using a descriptive term, and delay in exercising that right does not preclude it in later asserting a right to do so.

PERKINS PRODUCTS COMPANY *v.* WYLER & COMPANY, 173 Ms. D. 634, 92 USPQ 150, January 24, 1952. Cancellation No. 5680.

A trade-mark registration was issued to respondent on March 9, 1937. Amended petition for cancellation was filed June 13, 1951. Respondent filed its answer on August 10, 1951, and on September 26, 1951, filed a motion for summary judgment, the ground for the motion being laches. The Examiner of Trade-Mark Interferences denied respondent's motion. With a petition for reconsideration respondent filed a supporting affidavit, relating to the extent of sales of respondent's goods and its advertising during the fourteen-year period between the issuance of the respondent's registration and the institution of the present proceeding. The Examiner denied the petition. *Assistant Commissioner Klinge* denied a petition requesting the Commissioner to exercise his supervisory authority and review the decisions of the Examiner of Trade-Mark Interferences.

It was held that the affidavit filed by respondent was admittedly submitted, not for the purpose of ascertaining whether an issue of fact is presented or to establish the absence of any issue upon which respondent could prevail, but as a statement of undisputed facts, and that respondent's affidavit may not be accepted to prove respondent's defense of laches in this case.

THE FOSTER & REYNOLDS COMPANY *v.* BROWN & BIGELOW, 173 Ms. D. 636, — USPQ —, January 24, 1952. Petition for Cancellation.

In this cancellation proceeding the registrant filed a motion to dismiss the petition for cancellation, the motion relating to the defense of laches. The Examiner of Interferences considered it well settled that mere delay in seeking relief cannot in and of itself establish the defense of laches, and that laches cannot constitute a valid defense to the charge of descriptiveness of the respondent's marks involved in the present proceeding, and so denied the motion. *Assistant Commissioner Klinge* denied a petition to the Commissioner requesting the exercise of his supervisory authority for review of the decision of the Examiner of Interferences.

It was held that the Examiner's denial of the motion is considered proper.

EX PARTE HILLERICH & BRADSBY CO., 173 Ms. D. 637, — USPQ —, January 28, 1952.

Application was made for registration, on the Principal Register of the act of 1946 under section 2(f) thereof, of the geometrical configuration consisting of an oval, applied to baseball bats. The Examiner of Trade-Marks refused registration on the ground that there are no specimens of record which support even an attempt to use the oval design, in and of itself, as a badge of origin for applicant's goods, and that five registrations cited by the Examiner controverted applicant's claim to substantially continuous and exclusive use of the mark for the five years next preceding the filing of the application. *Assistant Commissioner Klinge* affirmed.

It was held that the testimony relied upon does not show that there has ever been such use of the oval as would warrant a holding that it has become distinctive of the applicant's goods so as to indicate origin in the applicant.

Of the five registrations cited by the Examiner it was held that one had expired and need not be further considered.

As to three of the registrations cited by the Examiner, all showing the oval as used by the applicant, and claimed to be owned by the applicant here, it was held that the records of the Office show that the assignment of these registrations to the applicant was made some three years after the present application was originally filed, and subsequent to the date on which the application was converted to the act of 1946, and it is therefore not seen how the applicant can claim five years' exclusive use of the mark prior to the filing of its application.

As to the fifth registration, to Marshall-Wells Company, in response to the applicant's contention that the registrant is a customer of the applicant, using the trade-mark as shown in the registration on private brand bats which the applicant made, it was held that the fact that the applicant made the bats bearing the Marshall-Wells Company's trade-mark, is not sufficient to overcome the effect of the use made by the registrant of its mark during the five-year period preceding the filing of the applicant's application under the provisions of section 2(f) of the act of 1946.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 26, 1952

[VOL. 655. NO. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,013. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed July 3, 1947.

Champion

For Correspondence and Mailing Envelopes.
Claims use since 1893.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 583,666. Swift & Company, Chicago, Ill. Filed Aug. 18, 1949.

GOLDEN NECK

For Pullets of the Variety Known as the Sex-Linked Cross.
Claims use since January 1949.

CLASS 2

RECEPTACLES

Ser. No. 589,900. Alexander Hertz, Forest Hills, N. Y. Filed Dec. 24, 1949.

VALETRAY

For Plastic Tray Suitable for Placement on a Dresser Top Without Affixation Thereto, or for Mounting on the Inside of a Clothes Closet Door by Means of Two Screws, the Function of Said Tray Being To Hold Items Ordinarily Carried in Pockets of Clothing Between Clothing Changes.
Claims use since Dec. 1, 1949.

Ser. No. 603,275. Nursery Items, Inc., New York, N. Y. Filed Sept. 7, 1950.

RI-TEMP

The word "Temp" is disclaimed.
For Padded Plastic Containers Filled With Glass Fluff Into Which a Nursing Bottle Is Inserted and/or Retained.
Claims use since Dec. 14, 1948.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 603,850. Pangborn Corporation, Hagerstown, Md. Filed Sept. 21, 1950.

Pangbornite

Applicant claims ownership of Registration No. 301,538.
For Finely Divided Abrasive Materials To Be Projected Against the Surface of Various Objects, While Suspended in a Liquid Medium, for Cleaning, Finishing, Cutting, and Carving Same.
Claims use since June 18, 1948.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 598,941. Aseptic-Thermo Indicator Co., Los Angeles, Calif. Filed June 12, 1950.

STERI-FORM

For Chemically Treated Paper Indicators Which Are Adapted To Change Color When Subjected to a Predetermined Time-Temperature Exposure.
Claims use since Apr. 24, 1950.

Ser. No. 605,281. C. W. Handel, Newark, Ohio. Filed Oct. 20, 1950.

KETCHEM

For Liquid Preparation for Application to Artificial and Natural Fish Bait To Add Lure Thereto.
Claims use since May 3, 1950.

Ser. No. 611,347. Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Filed Mar. 15, 1951.

ACRAFIX

For Textile Printing Colors.
Claims use since February 1950; and since May 1950 in commerce between foreign nations and the United States.

Ser. No. 611,378. Smoothex, Inc., Cleveland, Ohio. Filed Mar. 15, 1951.

SMOOTHEX

For Chemical Additives Used in the Electrodeposition of Metals.
Claims use since July 1, 1950.

Ser. No. 611,975. Radiator Specialty Company, Charlotte, N. C. Filed Mar. 29, 1951. (Sec. 2f.)

Applicant claims ownership of Registrations Nos. 220,740, 286,370, and 408,893.
For Radiator Stop Leak, Block Sealing Compound, Chemical Compound for Repairing Boiler Leaks, and Brake Fluid.
Claims use since Feb. 1, 1921.

Ser. No. 613,623. Godfrey L. Cabot, Inc., Boston, Mass. Filed May 4, 1951. (Sec. 2f.)

GODFREY L. CABOT, INC. CARBOLAC BOSTON, U.S.A.

Applicant disclaims the words and letters "Godfrey L. Cabot, Inc." and "Boston, U. S. A." The stippling on the drawing is for shading only. Applicant claims ownership of Registrations Nos. 302,707 and 518,879.
For Carbon Black Used in the Plastic and Other Industries.
Claims use since July 27, 1931.

Ser. No. 614,581. Shawinigan Products Corporation, New York, N. Y. Filed May 31, 1951.

GELVATOL

Applicant claims ownership of Registrations Nos 290,741 and 327,391.
For Partially and Completely Hydrolyzed Polyvinyl Acetate for General Use in the Industrial Arts.
Claims use since Feb. 15, 1950.

Ser. No. 615,801. Sterling Drug Inc., New York, N. Y. Filed June 27, 1951.

SPECTROLENE

For Stabilized Azoic Color Bases.
Claims use since June 2, 1950.

Ser. No. 615,808. Addressograph-Multigraph Corporation, Cleveland, Ohio. Filed June 28, 1951.

SIMFLO

For Chemicals for Use in Planographic Printing.
Claims use since Sept. 15, 1949.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 616,400. Associated American Artists, Inc., New York, N. Y. Filed July 13, 1951.

STONELAIN

For Cigarette Boxes and Ash Trays.
Claims use since Aug. 4, 1950.

Ser. No. 616,402. Associated American Artists, Inc., New York, N. Y. Filed July 13, 1951.

STONELAIN

For Cigarette Boxes and Ash Trays.
Claims use since Aug. 4, 1950.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 569,843. Gunther Wagner, S. R. L., Buenos Aires, Argentina. Filed Dec. 3, 1948.

For Drawing Inks, Chinese Inks, Writing Inks, and Indian Inks.
Claims use since Mar. 1, 1933; and first used in commerce between Argentina and the United States on Jan. 1, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 555,870. General Refractories Company, Philadelphia, Pa. Filed Oct. 23, 1947.

BRIKLOK

Applicant claims ownership of Registration No. 283,525.
For High Temperature Refractory Cement.
Claims use since February 1926.

Ser. No. 608,682. The Standard Lime and Stone Company, Martinsburg, W. Va., and Baltimore, Md. Filed Jan. 11, 1951.

BRICK-LOK

The mark includes a representation of the head of George Washington. The word "Brick" is disclaimed.
Applicant claims ownership of Registration No. 284,022.
For Dry Mortar Mixes, Including Dry Cement Mortar.
Claims use since Jan. 1, 1939.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 598,946. Dispensers, Inc., Los Angeles, Calif. Filed June 12, 1950.

CREAMETTE

Applicant claims ownership of Registrations Nos. 373,123 and 345,213.
For Detachable Glass Bases With Metal Handles and Dispensing Closures for Serving Liquid and Viscous Food Products.
Claims use since Mar. 13, 1950.

Ser. No. 617,406. The Thomas Laughlin Company, Augusta and Portland, Maine. Filed Aug. 7, 1951.

"FIST-GRIP"

The word "Grip" is disclaimed.
For Clips for Wire Rope and Cables.
Claims use since November 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 611,031. Knapp Mills Incorporated, Long Island City, N. Y. Filed Mar. 8, 1951.

ELECTRO-CUPRALUM

For Electrodes for Metal Plating.
Claims use since August 1950.

Ser. No. 618,680. The Carpenter Steel Company, Reading, Pa. Filed Sept. 12, 1951. (Sec. 2f.)

Carpenter
HyMu "80"

Applicant claims ownership of Registrations Nos. 410,397 and 512,195.
For Steel in the Form of Wire, Strips, Bars, Billets, and Other Shapes.
Claims use since Feb. 26, 1943.

Ser. No. 619,879. General Steel Warehouse Co., Inc., Chicago, Ill. Filed Oct. 11, 1951.

GENSCO

Applicant claims ownership of Registration No. 371,713.
For Hot Rolled Bars and Shapes, Hot Rolled Sheets and Strip, Brass Bars and Shapes, Brass Sheets and Strip, Phosphor Bronze Bars and Shapes, and Phosphor Bronze Sheets and Strip.
Claims use since Feb. 4, 1950.

CLASS 15

OILS AND GREASES

Ser. No. 530,110. National Lubricants Corporation, Houston, Tex. Filed July 31, 1947.



The picture of the Indian is fanciful.
For Lubricating Oils and Greases.
Claims use since Aug. 26, 1946.

Ser. No. 597,308. Lyman B. Warren, Jr., doing business as The Aloyl Company, St. Paul, Minn. Filed Apr. 29, 1950.

ALOYL

Applicant claims ownership of Registration No. 428,062.
For Penetrating Oil, Lubricating Oils and Lubricating Greases, Outboard Motor Oil, Cream Separator Oil, Magneto Oil, Washing Machine Engine Oil, Tractor Oil, Gear Lubricant, and Break In Oil for New Cars and New Engines, and Chemical Solvents To Be Added to the Fuel and/or Lubricant Useful in Dissolving Engine Sludge and Useful in Removing Residues of Petroleum Products and in Improving the Lubricating Action of Lubricants.
Claims use since Jan. 1, 1937.

Ser. No. 614,924. The American Lubricants Co., Dayton, Ohio. Filed June 8, 1951.

X-TEMP

For High Temperature Lubricating Grease.
Claims use since Mar. 15, 1951.

Ser. No. 615,130. Haas Miller Corporation, Philadelphia, Pa. Filed June 13, 1951.

CATHODOL

For Cationic Lubricant, in Liquid or Paste Form, Dispersible in Water, for Lubricating Molds in the Formation of Rubber, Plastics, and Glass.
Claims use since May 1, 1951.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 561,714. Baer Brothers, New York, N. Y. Filed July 20, 1948.



All wording shown on the drawing is disclaimed. The drawing is lined for shading.
For Paste and Ready Mixed Paints and Varnishes.
Claims use since Jan. 2, 1921.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 613,548. J. Wix and Sons Limited, London, England. Filed May 4, 1951.



The drawing is lined for red, blue, and black. The unlined areas are substantially white. Applicant claims ownership of British Registration No. 686,734, dated Feb. 24, 1950.
For Cigarettes.

CLASS 18

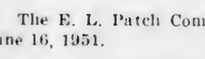
MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 614,811. Boericke & Runyon, Inc., New York, N. Y. Filed June 6, 1951.

OXYRUN

For Metabolic Oxidative Factors Tablets.
Claims use since Oct. 9, 1950.

Ser. No. 615,085. The Ru-Matina Company, Del Rio, Tex. Filed June 12, 1951.



For Anti-Rheumatic Herbs Tea.
Claims use since Aug. 14, 1949.

Ser. No. 615,285. The E. L. Patch Company, Stoneham, Mass. Filed June 16, 1951.

GLYROLENE

Applicant claims ownership of Registration No. 108,173.
For Cough Preparation.
Claims use since Sept. 13, 1950.

Ser. No. 615,297. E. R. Squibb & Sons, New York, N. Y. Filed June 16, 1951.

PLASMYLAC

For Preparation for the Prevention and Treatment of Calf Scours.
Claims use since Oct. 26, 1950.

Ser. No. 615,325. Roy D. Hoffman, doing business as Penn Laboratories, Bedford, Pa. Filed June 18, 1951.

RING-A-WAY

For Liquid Composition for Use in the Treatment of Athlete's Foot.
Claims use since Feb. 7, 1951.

Ser. No. 615,351. G. D. Searle & Co., Skokie, Ill. Filed June 18, 1951.



The drawing is lined for the colors maroon and gray.
For Medicinal and Pharmaceutical Preparations—Namely, Hormone, Enzyme, Ketocholanic Acid, Protein, Fatty-Acid Salt, Bismuth, Quaternary Ammonium Salt, and Xanthine Preparations; Chloriodized Oil Used as a Radiopaque Medium; Gold Preparations for the Treatment of Arthritic Conditions and Skin Diseases; Quinoline Compounds for Use as a Protozoacide for the Treatment of Amebiasis; Preparations for the Treatment of Allergic Disorders, Motion Sickness and Nausea; and Antiseptics, Antispasmodics, Sedatives, and Cough Preparations.
Claims use since Nov. 30, 1945.

Ser. No. 615,426. J. S. Wilson, doing business under the name of Wilson Herb Co., Detroit, Mich. Filed June 19, 1951.

NATURE & EMBLEM

For Medicinal Preparation Used as a General Constitutional Tonic.
Claims use since July 1948.

Ser. No. 615,597. Abbott Laboratories, North Chicago, Ill. Filed June 23, 1951.

DICALETS

Applicant claims ownership of Registrations Nos. 390,357 and 424,224.
For Mineral Vitamin Preparation in Tablet Form.
Claims use since June 6, 1951.

Ser. No. 615,665. U. S. Vitamin Corporation, New York, N. Y. Filed June 25, 1951.

VI-AQUAMIN

For Medicinal Preparation Consisting of a Combination of Multiple Vitamins and Multiple Minerals.
Claims use since June 12, 1951.

Ser. No. 616,025. Fromm Laboratories, Inc., Grafton, Wis. Filed July 3, 1951.

Distemperoid

For Vaccine for the Immunization of Dogs and Foxes Against Distemper.
Claims use since Sept. 14, 1939.

Ser. No. 616,026. Fromm Laboratories, Inc., Grafton, Wis. Filed July 3, 1951.

Hepvac

For Vaccine for Immunization of Dogs Against Canine Hepatitis.
Claims use since Feb. 20, 1951.

Ser. No. 616,027. Fromm Laboratories, Inc., Grafton, Wis. Filed July 3, 1951.

Minkvac

For Vaccine for Immunization of Minks Against Distemper.
Claims use since June 14, 1950.

Ser. No. 616,135. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed July 5, 1951.

ADETATE

For Preparation Affecting the Central Nervous System and Useful in the Therapy of Depressive States.
Claims use since Jan. 4, 1951.

Ser. No. 616,136. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed July 5, 1951.

CREMODOS

Applicant claims ownership of Registrations Nos. 543,452 and 428,174.
For Medicinal Preparation for Use in Antibacterial Therapy.
Claims use since Mar. 6, 1951.

Ser. No. 616,138. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed July 5, 1951.

DAPANONE

For Bronchodilator.
Claims use since Apr. 3, 1951.

Ser. No. 616,139. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed July 5, 1951.

NAREMIDE

For Vasoconstrictor.
Claims use since Mar. 6, 1951.

Ser. No. 620,382. Baxter Laboratories, Inc., Morton Grove, Ill. Filed Oct. 29, 1951. (Sec. 2f.) CONCURRENT USE with Serial No. 620,381 for the area comprising the District of Columbia, the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Maryland, Delaware, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Tennessee, Kentucky, Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, Arkansas, Louisiana, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, and Texas, excepting the city of El Paso in Texas, and including Puerto Rico, the Virgin Islands, and the Canal Zone.

BAXTER

For Fluids for Parenteral Use Comprising: Water for Injection; Dextrose in Water; Dextrose and Sodium Chloride in Water; Sodium Chloride in Water; Dextrose and Vitamins in Water; Dextrose, Sodium Chloride, and Vitamins in Water; Dextrose, Alcohol, Sodium Chloride, and Vitamins in Water; Dextrose, Alcohol, and Vitamins

in Water; Sodium Chloride, Potassium Chloride, and Calcium Chloride in Water; Dextrose, Sodium Chloride, Potassium Chloride, and Calcium Chloride in Water; Sodium R-Lactate in Water; Sodium R-Lactate, Sodium Chloride, Potassium Chloride, and Calcium Chloride in Water; Sodium R-Lactate, Sodium Chloride, Potassium Chloride, Calcium Chloride, and Dextrose in Water; Dextrose, Alcohol, and Sodium Chloride in Water; Dextrose and Alcohol in Water; Hydrolyzed Protein in Water; Dextrose and Protein Hydrolysate in Water; Alcohol, Dextrose, and Protein Hydrolysate in Water; Acacia and Sodium Chloride in Water; Invert Sugar in Water; Histamine Diphosphate and Potassium Chloride in Water; Histamine Diphosphate and Sodium Chloride in Water; Sodium Sulfate in Water; Injectable Pyrogen; Sterile Non-Pyrogenic Distilled Water Used as a Diluent for Parenteral Injection Solutions, and Medical Preparations for Topical Application Comprising Pectin Jelly.

Claims use since Oct. 19, 1931.

CLASS 19

VEHICLES

Ser. No. 606,247. United Helicopters, Inc., Palo Alto, Calif., now by change of name Hiller Helicopters, San Mateo County, Calif. Filed Nov. 10, 1950. (Sec. 2f—Additional evidence.)

Hiller

For Helicopters.

Claims use since Fall of 1943.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 616,008. Armstrong Cork Company, Lancaster, Pa. Filed July 3, 1951.

CONESTOGA

For Linoleum.

Claims use since May 31, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 595,792. Attilio Mancusi, doing business as Tyson Radio Company, Carle Place, N. Y. Original filed, act of 1946, Supplemental Register, Apr. 15, 1950; amended to application, Principal Register, Sept. 10, 1951.



The surname "Tyson" is disclaimed.

For Electrical Apparatus—Namely, Dish Washing Machines, Television and Radio Receiving Sets, Phonographs, Ranges, Toasters, and Irons.

Claims use since Feb. 1, 1947.

Ser. No. 609,662. Perrine Quality Products Corporation, Waltham, Mass. Filed Feb. 5, 1951.

Perma Level

The word "Level" is disclaimed.

For Storage Batteries and Parts Therefor.

Claims use since Aug. 7, 1950.

Ser. No. 613,826. Rival Manufacturing Company, Kansas City, Mo. Filed May 12, 1951.

Fry-O-Mat

The word "Fry" is disclaimed.

For Electric Deep Fat Fryers.

Claims use since May 2, 1951.

Ser. No. 616,786. The Ward Products Corporation, Cleveland, Ohio. Filed July 21, 1951.

Paracon

For Radio Antenna.

Claims use since July 2, 1951.

Ser. No. 616,808. The American Steel and Wire Company of New Jersey, Cleveland, Ohio, now by merger, United States Steel Company, a corporation of New Jersey. Filed July 23, 1951.

AMERSTRAND

For Electrical Wire.

Claims use since Sept. 1, 1939.

Ser. No. 616,918. Neon Products, Inc., Lima, Ohio. Filed July 25, 1951.

Signvertising

For Electrically Illuminated Display Signs.

Claims use since July 1, 1951.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 594,111. Irving Fiedler, Hollywood, Calif. Filed Mar. 17, 1950.

USEDIT

For Board Games Played With Playing Cards and Game Pieces.

Claims use since Oct. 3, 1921.

Ser. No. 598,881. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed June 10, 1950.



Applicant claims ownership of Registration No. 398,615.

For Billiard Tables and Parts Thereof, and Accessories Therefor—Namely, Cues, Cue Racks, Cue Stands, Cue Bridges, Cue Points, Cue Tips, Cue Protectors, Cue Clamps, Balls, Chalk, and Chalk Holders.

Claims use since Apr. 10, 1944.

Ser. No. 601,875. Leslie-Henry Co., Inc., New York, N. Y. Filed Aug. 5, 1950.

Lone Rider

For Toy Pistols and Holster Sets.

Claims use since July 1948.

Ser. No. 607,886. Predicto, Inc., Washington, D. C. Filed Dec. 19, 1950.

PREDICTO

For Game of Cards.

Claims use since Oct. 27, 1950.

Ser. No. 610,919. Salvador Treviño Narro, Monterrey, Nuevo Leon, Mexico. Filed Mar. 6, 1951.



"Cuauhtemoc" is the name of the last Aztec emperor at the time Mexico was conquered by the Spaniards. Applicant claims ownership of Mexican Registration No. 61,435, dated Jan. 26, 1950.

For Playing Cards.

Ser. No. 617,458. Pilot Plastics, Inc., Paterson, N. J. Filed Aug. 8, 1951.

GALUPEE'S

The drawing is lined for the colors yellow and blue.

For Construction Toys Used in Building Animal Figures.

Claims use since July 19, 1951.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 555,514. Independent Pneumatic Tool Company, Chicago, Ill. Filed Apr. 24, 1948.

Thor

Applicant claims ownership of Registrations Nos. 57,742, 97,111, 237,202, 385,551, 388,993, and 129,168.

For Pneumatically Actuated Portable and Stationary Power Tools and Machines—Comprising Drills, Screw Drivers, Stud Setters, Nut Setters, Rotary Wrenches, Impact Wrenches, Tappers, Nibblers, Hammers, Chipping Hammers, Scaling Hammers, Calking Hammers, Beading Hammers, Riveting Hammers, Spike Drivers, Nail Drivers, Core Busters, Rivet Busters, Holders-on, Rammers, Rivet Drivers, Rivet Squeezers, Grinders, Valve Seat Grinders, Rotary Files, Sanders, Polishers, Buffers, Chisels, Wire Brush Machines, Saws, Rock Drills Including Sinkers, Drifters, Stopers and Pluggers, Wagon Drills, Paving and Concrete Breakers, Clay Diggers, Trench Diggers, Tampers, Hitch Cutters, Sump Pumps, Vibrators and Hoists, Electrically Operated Bench and Stationary Power Tools and Machines, Comprising General Purpose Grinders, Valve Seat Refacers and Valve Seat Grinders, and Parts, Attachments and Accessories Therefor and for Electrically Operated Portable Power Tools, Said Parts, Attachments and Accessories Comprising Bearings, Gears, Metal Packings, Metal Bushings, Clutch Jaws, Rotor Blades for Pneumatic Motors, Sockets, Socket Wrench Shanks, Chucks, Screw Driver Bits, Chuck Keys, Screw Driving and Nut Setting Attachments for Drills, Adaptors for Operably Securing Attachments in Portable Power Tools, Mandrels, Arbors, Angle Attachments, Extension Shanks, Extension Bits, Twist Drills, Reamers, Spindles, Extension Spindles, Spindle Protection Caps, Circular Saw Blades, Hole Saw Blades, Rotary Files, Cushion and Backing Pads for Sanders and Polishers, Screw Finders and Finder Assemblies, Valve Guide Cleaners of the Reamer Type, Hole Spotters for Locating Holes for a Working Tool, Chisels, Chisel Blanks, Gouges, Turning Wrenches for Straight Shank Tools, Bush Hammers, Bull Points, Grinding Wheel Holders, Cutting Tools, Grinding Wheel Guards, Chisel Retainers, Steel Cutters, Dust Collectors and Shields, Universal Joints, Kick-Out Clutch Attachments, Positive Clutch Attachments, Slip Clutch Attachments, Tool Holders, Throttles, Grip Handles, Breast Plates, Extension Handles, Manually Operated Speed Regulators for Controlling the Speed of Pneumatic Tools, Rivet Sets for Riveting Hammers, Rivet Set Clips, Rivet Chisels, Drill Steels for Rock Drills, Hand Sharpening Tools for Forming the Bit Ends of Drill Steels, Calking Tools, Beading Tools, Blower Throttles, Butts, Peins, Rivet Jaws, Rivet Yokes, Knock-Out Punches, Blow Guns, Sheeting Drivers, Asphalt Cutters, Clay Spades, Frost Wedges, Moil Points, Rock Breakers, Broaching Tools, Tampers, Digging Points, Gad Points, Flat Picks, Hoist Trolleys, Drill Centralizers for Guiding Drill Steels of Rock Drills, and Tool Rests; Pilot Pin Wrenches, Expanding and Plug Pilots for Valve Grinding Tools; Balancers for Suspending Power Tools in Working Position; Tool Supports and Stands; Power Tool Kits Comprising Portable Pneumatic or Electric Power Tools and Attachments and Accessories Therefor; Rotary Air Motors; Grinding Wheel Dressers and Diamond Nibs Therefor; and Hand Tools for the Service, Repair, Disassembly and Assembly of Portable, Bench and Stationary Power Tools, Machines and Parts, Attachments and Accessories Therefor—Comprising Wrenches, Tool Holders, Lapps, Rethreading and Sizing Dies, Extractors, Reamers, Drifts,

Taps, Bench Blocks, Clamps, Clamping Rings, Screw Drivers, Screw Driving Bits, Broaches, Pliers, Pullers, Facing Tools, Arbors, Spreaders, Rivet Upsetters, Screw Upsetters and Removers, Wedges, Punches, Vises, Vibrators for Testing Hammer Speeds, Fan Removing Tubes, and Fixtures for Holding, Assembly, Removal and Installation of Tool Parts.

Claims use since 1895.

Ser. No. 561,843. Masback Incorporated, New York, N. Y. Filed July 21, 1948. (Sec. 2f.)



The notations "Est" and "1873" are disclaimed. In the drawing, the lining appearing within the two triangles shown above and below the words "Red Diamond" represents the color red.

For Adze Eye Hammer Handles, Ash Pit Scoops, Auger Bits, Automatic Drills, Axe Handles, Axes, Back Saw, Bit Braces, Bit Extensions, Bit Stock Drills, Blacksmiths' Hammer, Block Plane, Bow Rakes, Brace and Bit Set, Breast Drill, Brick Trowels, Buck Saw Blades, Buck Saws, Bull Point Chisels, Carpet Sweepers, Center Punch, Chisels, Cold Chisels, Compass Saws, Coping Saws, Corn Hoe Handles, Corn Hoes, Cross-Cut Saws, Cultivator, Double Bit Axe Handles, Drawing Knives, Drift Punch, Drill Point Sets, Expansive Bit Cutters, Expansive Bits, Extra Slim Taper Files, Garden Tool Repair Handles; Garden Tools—Namely, Garden Hoes, Garden Rake Handles, Mortar Hoes, Hedge Shears, Snow Pushers, Ensilage Forks, Garden Trowels, and Grass Shears; Gimlets, Hack Saw Blades, Hack Saws, Half Hatchets, Hand Drill, Hand Saws, Hatchet Handles, Hay Fork Handles, Hay Forks, High Speed Drills, Hoe Handle, Household Snips, Ice Scraper, Jack Plane, Jobbers' Drills, Ladies' Hammer, Lath Hatchet Handle, Lawn Mowers, Linoleum Knives, Machinists' Hammer Handles, Machinists' Hammers, Manure Fork Handles, Manure Forks, Masons' Hammer Handles, Meadow Hoe, Mill Bastard Files, Nail Hammers, Nail Sets, Napping Hammer Handles, Narrow Saws, One Man Saws, Pick Handles, Plane Irons, Planes, Plastering Trowels, Pliers, Pointing Trowels, Potato Hooks, Pruning Saws, Putty and Scraping Knife Assortment, Putty Knives, Rake Handles, Rakes, Ratchet Screw Driver, Ripping Hammers, Saw Sets, Scoop Handles, Scoops, Scout Axe Handle, Scraping Knife Assortment, Scraping Knives, Scratch Awl, Screw Driver Bits, Screw Drivers, Shovels, Sledge Handles, Slim Taper Files, Smooth Plane, Snips, Snow Shovel, Solid Punch, Spade Handles, Spades, Spading Fork Handles, Spading Forks, Star Drills, Stone Cutters' Hammer Handle, Wire Drills, Wrecking Bars.

Claims use since Nov. 6, 1930.

Ser. No. 566,283. Sebastiano Del Giudice, Cleveland, Ohio. Filed Sept. 15, 1948.

SLYDO

For Cement, Concrete, Plaster, and Mortar Working and Finishing Tools — Namely, Levelers, Edgers, Joiners, Darbies, Trowels, Gorers and Straight-Edgers.

Claims use since Sept. 24, 1947.

Ser. No. 579,074. Belknap Hardware and Manufacturing Company, Louisville, Ky. Filed May 19, 1949.

BLUE RIBBON

For Bush Whacker, Pruning Shears, Hedge Shears, Lawn Mowers, Socket Shank Shovels, Socket Shank Spades, Locomotive or Coal Scoops, Long Shovel Handles, Garden Mattock Handles, Sprayers, Putty Knives, Grass Shears, Hair Clippers.

Claims use since June 1, 1910.

Ser. No. 596,380. Ace Fastener Corporation, Chicago, Ill. Filed Apr. 27, 1950.

JET

For Hand-Operated Stapling Machines of the Desk, Plier, and Tacker Types.

Claims use since Dec. 28, 1949.

Ser. No. 601,931. Lowell Specialty Company of Lowell, Mich., doing business under the name Lowell Manufacturing Company, Chicago, Ill. Filed Aug. 8, 1950.

SprayCat

The word "Spray" is disclaimed.

For Power Operated Sprayer Used for Applying Insecticides, Fungicides, Agricultural Chemicals of All Kinds, Whitewash, Cold Water Paints, Liquids, Oils, and Sediment-Bearing Solutions.

Claims use since Dec. 12, 1947.

Ser. No. 606,621. Markwell Manufacturing Co., Inc., New York, N. Y. Filed Nov. 18, 1950.

FASTEN-ATING

The word "Fasten" is disclaimed.

For Stapling Machines Used for Fastening Papers, Cardboard, Fabrics, and Light Gage Metal Together, Also for Fastening Papers, Cardboard, Fabrics, and Light Gage Metal on to Wood.

Claims use since Sept. 29, 1950.

Ser. No. 607,178. Lapidary Equipment Company Inc., Seattle, Wash. Filed Dec. 1, 1950. (Sec. 2f.)

HILLQUIST

The drawing is stippled for shading purposes.

For Lapidarist's Machines and Attachments Thereto and Parts Thereof—Namely, Lapidary Units, in Different Sizes, Being a Complete Machine for Cutting and Polishing Gem Stones, Consisting of a Diamond Saw, Grinding Wheels, Sanding Wheels, Polishing Buff, Spindle, Rock Clamp, Tub, Lubricant Can, and Water Feed Hose; Faceting Attachment, Being an Attachment for Such Lapidary Units for Cutting Facets, Consisting of an Adaptor Socket, Index Plates With Gauges for Faceting Various Numbers of Faces on Stones, a Dop Arm and Dop Sticks, Articulated Bracket Arm and Shaft; Complete Faceting Units, Being Facetors Usable Independently of a Lapidary Unit, Consisting of a Base Plate, Spindle, Lap, Pan, Dop Sticks, Hose, Stand, Index Plates, and Faceting Head; Bench Model and Floor Model Diamond Saws; Trim Saw; Gem Drill and Hole Saw; Drum Sander; Heavy-Duty Lapidary Arbor; Diamond Saw Blades; Auto-Feed Attachment, for Use With Diamond Saws, Consisting of a Power Feed Mechanism for Such Saws To Control the Motion of the Carriage Holding the Rock as It Feeds Into the Saw Blade.

Claims use since Aug. 22, 1945.

Ser. No. 608,172. National Engineering Company, Chicago, Ill. Filed Dec. 28, 1950. (Sec. 2f as to the word "Standard.")

STANDARD SPEEDMIXER

The word "Speedmixer" is disclaimed.

For Sand Mixing Machines.

Claims use since May 24, 1949, as to the mark shown; and since May 8, 1902, as to the word "Standard."

Ser. No. 608,635. Supreme Equipment Corporation, Cleveland, Ohio. Filed Jan. 10, 1951.



For Vehicle Service Station and Garage Equipment—Namely, Air Compressors, Non-Self-Measuring Pumps, and Mechanical Car Washers.

Claims use since May 22, 1950.

Ser. No. 608,814. Business Systems, Inc., Philadelphia, Pa., assignor to Scriptomatic, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

Scriptomatic

For Data Copying Machines—Namely, Addressing Machines and Machines for Transferring Data From Master Stock.

Claims use since Dec. 21, 1950.

Ser. No. 609,095. National Tank Company, Tulsa, Okla. Filed Jan. 22, 1951.

LTX

For High Pressure Distillate and Gas Separators for Use on High Pressure Well Streams Having High Gas-Oil Ratios.

Claims use since May 6, 1950.

Ser. No. 610,985. New England Carbide Tool Co., Inc., Cambridge, Mass. Filed Mar. 7, 1951.

Cyclo-twist

The word "Twist" is disclaimed.

For Masonry Drill.

Claims use since Feb. 11, 1950.

Ser. No. 612,621. Nichols Engineering & Research Corporation, New York, N. Y. Filed Apr. 13, 1951.



For Spray Drying Apparatus for Drying Materials in Atomized or Mist Form.

Claims use since May 1, 1950.

Ser. No. 616,788. The Gustav Wiedeke Company, Dayton, Ohio. Filed July 21, 1951.



Applicant claims ownership of Registration No. 213,340.

For Tube and Flue Expanders, Tube and Flue Cutters, Tube and Flue Beading Tools, Tube and Flue Flaring Tools, and Accessories Therefor—Namely, Right Angle Gear Drives, Parallel Gear Drives, Universal Joints, Drive Handles, Drive Shafts and Sockets, and Ratchet Wrenches.

Claims use since May 31, 1951, as to the mark shown; and since July 1904 as to "Ideal."

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 572,282. Tiffen Manufacturing Corporation, New York, N. Y. Filed Jan. 15, 1949.

PHOTAR

Applicant claims ownership of Registration No. 366,848.

For Correction Filters for Black and White and Color Photographic Films.

Claims use since Mar. 11, 1948.

Ser. No. 601,126. Coventry Gauge & Tool Company Limited, Coventry, England. Filed July 18, 1950.

MATRIX

Applicant claims ownership of British Registration No. 635,297, dated Feb. 24, 1945.

For Measuring Gauges, Apparatus, Instruments and Accessories for Measuring and Testing Dimensions, Angles and Shapes—Namely, Caliper Gauges, Slip Gauges; Slip Gauge Accessories for Associating a Plurality of Slip Gauges in Various Assemblages for Various Measuring Purposes, the Same Being Holders, Jaws, Straight Edges, Scribers, Centre Points and Mounting Bases; Plain and Threaded Taper Gauges; Measuring Rods or Bars; Taper, and Hardened and Ground, Parallels; Vernier Gauges; Squares; Sine Bars; Planer and Shaper Gauges; Micrometer Gauges; Spline and Serration Plug Gauges; Spline and Serration Ring Gauges; Master Gauges for Testing Plug and Ring Spline and Serration Gauges; Concentricity and Receiver Gauges; Optical Plane Gauges, Also Known as Optical Flats, for Gauging the Flatness or Plane of Machined Surfaces; Internal Taper Gauges; Internal Taper Thread Gauges; Precision Dimension Measurement Machines; Tap Flute Comparators; Level Comparators; Interferometers for Checking the Plane or

Flatness and Parallelism of Lapped Surfaces on Slip Gauges and Optical Surface Plane Gauges or Optical Flats; Flank Angle Testing Machines; Hob and Work Checking Machines; Cam Measuring Machines; Drill Point Gauges for Measuring the Angle of a Drill Point; Thread Measuring Cylinders and Prisms; Surface Plane Gauges for Testing the Flatness of Work-Piece Surfaces; and Fatigue and Stress Testing Machines.

Ser. No. 606,770. Gilbert & Barker Manufacturing Company, West Springfield, Mass. Filed Nov. 22, 1950.

[redacted]

The drawing is lined for shading. The word "Vision" is disclaimed. Applicant claims ownership of Registrations Nos. 326,997 and 542,429.
For Fluid-Dispensing Pumps of the Self-Measuring Type.
Claims use since Mar. 9, 1950.

Ser. No. 608,319. W. N. Matthews Corporation, St. Louis, Mo. Filed Jan. 3, 1951. (Sec. 2f.)

MATTHEWS

Applicant claims ownership of Registrations Nos. 407,390, 408,900, and others.
For Thermally Operated Switches.
Claims use since December 1945.

Ser. No. 608,366. W. N. Matthews Corporation, St. Louis, Mo. Filed Jan. 4, 1951. (Sec. 2f.)

W.N. MATTHEWS CORPORATION

Applicant claims ownership of Registrations Nos. 407,390, 408,900, and others.
For Thermally Operated Switches.
Claims use since December 1945.

Ser. No. 609,252. Paillard Products, Inc., New York, N. Y. Filed Jan. 25, 1951.

BOLEX OCTAMETER

For View Finders for Cameras.
Claims use since Sept. 15, 1950.

Ser. No. 615,435. Arma Corporation, Brooklyn, N. Y. Filed June 20, 1951.

BRAIN BLOCK

For Calculating Apparatus—Namely, Induction Potentiometers, Electrical Resolvers, Mechanical Differentials, and Parts Therefor.
Claims use since Jan. 19, 1950.

Ser. No. 615,848. Niles-Bement-Pond Company, West Hartford, Conn. Filed June 28, 1951.



Applicant claims ownership of Registration No. 364,488.
For Dimension Gages, Internal and External Dimension Comparators, and Linear Measuring Machines.
Claims use since Oct. 1, 1935.

Ser. No. 616,929. Victory Optical Manufacturing Company, Newark, N. J. Filed July 25, 1951.

PAREE

For Spectacle Frames.
Claims use since Mar. 23, 1951.

Ser. No. 618,704. Inter-Continental Trading Corporation, New York, N. Y. Filed Sept. 12, 1951.



For Calipers.
Claims use since Aug. 28, 1949.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 604,520. Crawford Watch Corporation, New York, N. Y. Filed Oct. 6, 1950. (Sec. 2f.)

CRAWFORD

Applicant claims ownership of Registration No. 400,215.
For Watches.
Claims use since June 30, 1939.

Ser. No. 605,972. A. Ruffi-Stampfli, Longeau, Switzerland. Filed Nov. 6, 1950.

RUFLEX WATCH

The word "Watch" is disclaimed. Applicant claims ownership of Swiss Registration No. 128,297, dated Mar. 16, 1949.
For Watches.

Ser. No. 611,835. Jack Galter, Chicago, Ill. Filed Mar. 27, 1951.

EON

For Clocks and Electric Clocks.
Claims use since Aug. 1, 1929.

Ser. No. 611,836. Jack Galter, Chicago, Ill. Filed Mar. 27, 1951.

SYNCHROMATIC

For Clocks and Electric Clocks.
Claims use since Aug. 1, 1929.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 604,510. Adelcia, St. Petersburg, Fla. Filed Oct. 6, 1950.

Adelcia

For Earrings.
Claims use since June 14, 1950.

Ser. No. 611,951. M. Wayne Field, Minneapolis, Minn. Filed Mar. 29, 1951.

Hope Chest

For Silver Table Cutlery.
Claims use since Feb. 1, 1951.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 567,651. Rheem Manufacturing Company, San Francisco, Calif. Filed Oct. 26, 1948. (Sec. 2f—Additional evidence.)



Applicant claims ownership of Registration No. 264,137.
For Water Softening Apparatus of the Zeolite Type.
Claims use since Dec. 1, 1946.

Ser. No. 607,475. Alsop Engineering Corporation, Milldale, Conn. Filed Dec. 9, 1950. (Sec. 2f.)

Hy-Speed

Applicant claims ownership of Registration No. 278,683.
For Liquid Filters, Filter Discs, and Parts Thereof.
Claims use since 1923.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 533,948. Sylcon Management Association, Chicago, Ill., assignee of Sylcon Corporation. Filed Sept. 9, 1947. COLLECTIVE MARK

SYLCON

Applicant claims ownership of Registration No. 427,146.
For Mattresses and Box Springs.
Claims use since Jan. 2, 1945.

Ser. No. 563,672. The Finkel Umbrella Frame Company, Inc., New York, N. Y. Filed Aug. 18, 1948.

TILT-O-MATIC

The word "Tilt" is disclaimed. Applicant claims ownership of Registration No. 407,486.
For Garden Umbrellas.
Claims use since July 29, 1948.

Ser. No. 568,660. The Pure Oil Company, Chicago, Ill. Filed Nov. 12, 1948.



Applicant claims ownership of Registrations Nos. 343,233, 343,649, and others.
For Battery Cable Display Racks.
Claims use since September 1935.

Ser. No. 577,780. Ero Manufacturing Company, Chicago, Ill. Filed Apr. 27, 1949.

Hide-Away

For Multiple Purpose Hassock and Storage Receptacle.
Claims use since January 1949.

Ser. No. 585,454. Oskar Harald Lundqvist, Stockholm, Sweden. Filed Sept. 28, 1949.

LUNDIA

Applicant claims ownership of Swedish Registration No. 66,015, dated Feb. 25, 1949.
For Cabinets for Office, Factory, Store, and House Use; Chests of Drawers; Storage Lockers; Shelving Units; Cupboards, All the Aforementioned Goods Being Made of Wood and/or Metal.

Ser. No. 586,454. Allen Industries, Incorporated, Detroit, Mich. Filed Oct. 18, 1949.

Flexomatic

For Crib Mattresses.
Claims use since Sept. 23, 1949.

Ser. No. 587,161. Corry-Jamestown Manufacturing Corporation, Corry, Pa. Filed Oct. 17, 1949. (Sec. 2f.)

CORRIAN

Applicant claims ownership of Registration No. 358,343.
For Metal Furniture and Office Equipment—Namely, Filing and Storage Cases, Filing and Storage Cabinets, Tables, Desks.
Claims use since Jan. 25, 1937.

Ser. No. 591,022. Drexel Furniture Company, Drexel, N. C. Filed Jan. 18, 1950.

AMERICAN TRADITIONAL

The word "American" is disclaimed. Applicant claims ownership of Registration No. 357,657.
For Bedroom, Dining Room and Living Room Furniture—Namely, Beds, Chests, Night Tables, Benches, Tables, Chairs, Side Boards, Corner Cupboards, Sofas, Love Seats, Mirrors, and Desks.
Claims use since Dec. 2, 1949.

Ser. No. 593,736. Bernard G. Mesberg, doing business under the firm name and style of B. G. Mesberg, New York, N. Y. Filed Mar. 10, 1950.

PLANNER'S GROUP

The word "Group" is disclaimed.
For Bedroom, Living Room, Dining Room and Kitchen Furniture—Namely, Beds, Sofas, Couches, Love Seats, Chairs, Tables, Stools, Wardrobes, Chests, Commodes, Benches and Cabinets.
Claims use since Dec. 15, 1949.

Ser. No. 598,884. Castro Decorators, Inc., New York, N. Y. Filed June 10, 1950.

Castro

For Upholstered Furniture, Particularly Chairs, Sofas, Davenports, and Sofa-Beds.
Claims use since August 1931.

Ser. No. 605,573. American Foam Rubber Corporation, Burlington, N. J., and New York, N. Y. Filed Oct. 30, 1950.

SNUG FOAM PILLOW

The words "Foam Pillow" are disclaimed.
For Sponge Rubber Pillows.
Claims use since Oct. 14, 1950.

Ser. No. 613,775. Klik Promotions, Inc., New York, N. Y. Filed May 11, 1951.

MINI-FRAME

The word "Frame" is disclaimed.
For Picture Frames.
Claims use since Feb. 15, 1951.

Ser. No. 616,332. The National Plastic Products Company, Odenton, Md. Filed July 11, 1951.

"BULLSEYE" Color

The word "Color" is disclaimed.
For Thermoplastic Injection Molded Chair Leg Tips.
Claims use since August 1947.

CLASS 33
GLASSWARE

Ser. No. 611,569. Fostoria Glass Company, Moundsville, W. Va. Filed Mar. 20, 1951.

DUET—
TUMBLER

The word "Tumbler" is disclaimed.
For Drinking Glasses.
Claims use since Jan. 1, 1951.

CLASS 34
HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 566,347. C. M. Lovsted & Co., Inc., Seattle, Wash. Filed Oct. 2, 1948. (Sec. 2f.)

DIRECT—FLO

For Dry Kilns, Especially Engineered for Drying Wood Products—Namely, for Use in Lumber Mills and Shingle Mills.
Claims use since 1938.

Ser. No. 600,696. Petroleum Heat and Power Company, Stamford, Conn. Filed July 14, 1950.

PETRO

Applicant claims ownership of Registrations Nos. 214,358, 231,207, and others.
For Boilers; Furnaces; Hot Water Heaters; Winter Air Conditioners; Oil Burners; Oil Preheaters, and Oil Burner Accessories Which Are Structural Parts of a Burner Unit—Namely, Oil Strainers, Oil Burner Nozzles, Pilot Lighters, Oil Metering Valves, Oil Circulating Valves, Oil Pressure Regulating Valves, Manually Operated Valves and Relief Valves.
Claims use since Dec. 24, 1925.

Ser. No. 609,382. Selas Corporation of America, Philadelphia, Pa. Filed Jan. 29, 1951.

SELAS

Applicant claims ownership of Registrations Nos. 441,403 and 441,404.
For Gas Burners for Industrial Use, and Parts Therefor, and Industrial Heating Equipment—Namely, Furnaces, Ovens, Dryers, Kilns, and Lehrs, and Heat-Treating Machines for Use in Heat Treating Metal Bodies.
Claims use since September 1942 on burners; and on the other goods since July 1943.

Ser. No. 614,959. Rupert Manufacturing Company, Inc., Kansas City, Mo. Filed June 8 1951.

STRATOLITE

For Safety Reflectors and Lenses for Use on Vehicles and the Like.
Claims use since May 21, 1951.

CLASS 35
BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 613,505. Eutectic Welding Alloys Corporation, New York and Flushing, N. Y. Filed May 4, 1951.

EUTECUSHION

The word "Cushion" is disclaimed. Applicant claims ownership of Registrations Nos. 400,805, 414,357 and others.
For Brazing Shims Intended for Joining the Tips of Cutting Tools to Their Shanks.
Claims use since Apr. 16, 1951.

Ser. No. 617,496. Hastings Manufacturing Company, Hastings, Mich. Filed Aug. 9, 1951.

CHROMLUBE

For Piston Rings.
Claims use since Aug. 1, 1947.

CLASS 36
MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 528,591. Valco Manufacturing Company, Chicago, Ill. Filed July 14, 1947.

DOBRO

For String Musical Instruments—Namely, Guitars, Mandolins, Ukuleles, and Banjos, and Guitars, Mandolins, Ukuleles and Banjos With Electronic Amplifiers Attached Thereto, and for Picks and Guitar Steels.
Claims use since November 1929.

Ser. No. 560,114. Life Records, Inc., New York, N. Y. Filed June 24, 1948.

LIFE

For Grooved Phonograph Records.
Claims use since May 11, 1948.

Ser. No. 593,531. C. G. Conn, Ltd., Elkhart, Ind. Filed Mar. 7, 1950. (Sec. 2f—Additional evidence.)

Leedy & Ludwig

Applicant claims ownership of Registrations Nos. 510,533 and 508,154.
For Musical, Various Sound-Emitting, and Percussion Instruments, Parts Thereof and Attachments Therefor—Namely, Street Drums, Snare Drums, Bass Drums, Drummers' Traps, Tympanies, Xylophones, Orchestral Music Bells, Tom-Toms, Cymbals, Pedals, Whistles, Tambourines, Rattles, Castanets, Triangles, Drummers' Shot Cushions, Clog Mallets, Tympani Heads, Tambourine Heads, Drum Heads, Tone Blocks, Drummers' Wood Blocks, Drum Spurs, Cymbal Holders, Traps, Drum Stands, Drummers' Sand Blocks, Slings (Drum), Drum Rods, Drum Practice Pads, Sticks (Drum and Tympani), Hammers (Bell and Xylophone), Stands (Bell), Fifes, Bugles, Chimes, Glockenspiels, Marimbas, Musettes, Batons, Tuning Bars; and Musical Sound Effect Equipment—Namely, Horse Trot Imitations, Rooters, Reed Imitations, Railroad Imitations, Typewriter and Telegraph Imitations.
Claims use since Feb. 3, 1950.

Ser. No. 598,675. The Parlophone Company Limited, Hayes, England. Filed June 6, 1950.

PARLOPHONE

Applicant claims ownership of British Registration No. 462,325, dated Sept. 15, 1925.
For Grooved Phonograph Records.

Ser. No. 612,176. Musonic Corporation, New York, N. Y. Filed Apr. 3, 1951.

Musonic

For Pianos.
Claims use since Mar. 5, 1951.

CLASS 37
PAPER AND STATIONERY

Ser. No. 526,072. Western Tablet & Stationary Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application, act of 1946, Principal Register, Oct. 7, 1948.

LUCKY STAR

For Paper Tablets; Loose Writing Paper for School or Office Use, Put Up in Wrapped Packages, Boxes, or Banded; Loose Paper for Drawing or Other Art Purposes, Put Up in Wrapped Packages, Boxes, or Banded; and Loose Leaf Binders.
Claims use since 1908.

Ser. No. 526,103. Western Tablet & Stationery Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Mar. 24, 1949.

RAINBOW

For Paper Tablets.
Claims use since 1916.

Ser. No. 543,621. The McBee Company, Athens, Ohio. Filed Dec. 6, 1947. (Sec. 2f.)

McBee

Applicant claims ownership of Registration No. 284,817.
For Stationery—Namely, Letter Paper, Leaves for Loose Leaf Files, Partially Printed Blanks, and Partially Printed Forms.
Claims use since July 1928.

Ser. No. 559,391. West Virginia Pulp and Paper Company, New York, N. Y. Filed Feb. 14, 1948.

Hibulk

Applicant claims ownership of Registration No. 82,938.
For Printing Paper.
Claims use since 1907.

Ser No. 567,533. Oxford Paper Company, New York, N. Y. Filed Oct. 23, 1948.

Luxcote

For Coated Printing Paper.
Claims use since Sept. 20, 1948.

Ser. No. 574,070. Byron Weston Company, Dalton, Mass. Filed Feb. 17, 1949. (Sec. 2f.)

Merit Bond

The word "Bond" is disclaimed.
For Writing Paper.
Claims use since Oct. 27, 1905.

Ser. No. 590,702. Rite-Way Publishing Co., Inc., Alexandria, La. Filed Jan. 11, 1950.

RiteWay

For Partially Printed Income and Tax Record Forms.
Claims use since Sept. 8, 1949.

Ser No. 592,138. The Esterbrook Pen Company, Camden, N. J. Filed Feb. 8, 1950.

FOUNTAIN PEN BAR

The term "Fountain Pen" is disclaimed.
For Series of Fountain Pens and Ink Well Combinations and Paper Pads, Mounted on a Counter Display Stand, Used in Selecting Proper Point Sizes.
Claims use since May 12, 1949.

Ser. No. 593,905. Loyal M. Bach, doing business under the firm name and style of Reserva-Chek Co., Pacific Palisades, Calif. Filed Mar. 14, 1950.

RESERVA-CHEK

The words "Check" and "System" are disclaimed.
For Check Form and Correspondence Envelope.
Claims use since Jan. 6, 1950.

Ser No. 595,168. Springfield Tablet Manufacturing Company, Springfield, Mo. Filed Apr. 3, 1950.

Key

For Notebooks and Notebook Paper.
Claims use since Jan. 9, 1950.

Ser. No. 595,718. Leigh Fisher, doing business as Leigh Fisher & Associates, South Bend, Ind. Filed Apr. 14, 1950.

TAB$

For Letterheads, Brochures, Instruction Manuals for the Airport Business System, Mailing Envelopes and Partially Printed Labels, Desk Calendars, Business Cards, and the Partially Printed Component Parts of the System Such as Schedules, Forms and Statements, Said Items or Different Combinations Thereof Being Sold in a Combined Package.
Claims use since Dec. 1, 1949.

Ser. No. 598,183. Hooper Paper & Twine Co., Inc., Philadelphia, Pa. Filed May 26, 1950. (Sec. 2f.)



MERIT BRAND

The words "Paper & Twine Co., Inc.," "Philadelphia, Pennsylvania," and "Brand" are disclaimed. Applicant claims ownership of Registration No. 271,071.
For Paper and Paper Products—Namely, Blotting Paper, Tag Board, Chocolate Layer Board, Wrapping Paper, Adding Machine Paper, Scratch Pads, Shipping Tags, Paper Towels, Pattern Paper, Tissue Paper, Toilet Paper, Waterproof Paper, and Waxed Paper.
Claims use since Jan. 4, 1929.

Ser. No. 601,987. Fastex, Incorporated, Cleveland, Ohio. Filed Aug. 9, 1950.

KIT-A-KOUNTER

The word "Kounter" is disclaimed.
For Partially Printed Record Books for Bowlers.
Claims use since July 28, 1950.

Ser. No. 604,980. Mail-Well Envelope Company, Portland, Oreg. Filed Oct. 16, 1950.



The representation of the goods is disclaimed.
For Mailing Envelopes.
Claims use since 1938.

Ser. No. 605,799. Keuffel & Esser Company, Hoboken, N. J. Filed Nov. 2, 1950.

SWAN

For Drawing and Tracing Papers.
Claims use since December 1940.

Ser. No. 605,801. Keuffel & Esser Company, Hoboken, N. J. Filed Nov. 2, 1950.

CONDOR

For Drawing Papers.
Claims use since December 1940.

Ser. No. 605,824. Wilson Jones Company, Chicago, Ill. Filed Nov. 2, 1950.

AUTO-FLEX

Applicant claims ownership of Registration No. 275,635.
For Loose Leaf Binders.
Claims use since Jan. 1, 1930.

Ser. No. 610,513. Crown Zellerbach Corporation, also doing business under the name of National Paper Products Sales Company, San Francisco, Calif. Filed Feb. 26, 1951.

WESTLAND

For Toilet Tissue.
Claims use since Dec. 30, 1922.

Ser. No. 611,350. The Gardner Board and Carton Co., Middletown, Ohio. Filed Mar. 15, 1951.



All wording except "Engineered Progress" is disclaimed.
Applicant claims ownership of Registration No. 396,907.
For Paperboard.
Claims use since Jan. 13, 1951.

Ser. No. 612,043. Stuart Hall Company, Inc., Kansas City, Mo. Filed Mar. 30, 1951. (Sec. 2f.)

Stuart Hall

Applicant claims ownership of Registrations Nos. 428,931 and 517,020.
For Stationery in the Nature of Writing Paper and Envelopes Therefor.
Claims use since Aug. 1, 1943.

Ser. No. 612,146. Wexler Printing Co., Minneapolis, Minn. Filed Apr. 2, 1951.

CA-RE-BO

The words "Carbonized Receipt Book" are disclaimed.
For Partially Printed Receipt Books.
Claims use since Mar. 1, 1950.

Ser. No. 612,213. Minnesota and Ontario Paper Company, Minneapolis, Minn. Filed Apr. 4, 1951.

MASTERFLEX

Applicant claims ownership of Registration No. 531,250.
For Envelope, Container, and Wrapping Paper.
Claims use since Feb. 7, 1951.

Ser. No. 612,214. Minnesota and Ontario Paper Company, Minneapolis, Minn. Filed Apr. 4, 1951.

MILLIFLEX

Applicant claims ownership of Registrations Nos. 529,477, 529,479, and 529,482.
For Envelope, Container, and Wrapping Paper.
Claims use since Feb. 7, 1951.

Ser. No. 612,215. Minnesota and Ontario Paper Company, Minneapolis, Minn. Filed Apr. 4, 1951.

MAXIFLEX

Applicant claims ownership of Registration No. 529,477.
For Envelope, Container, and Wrapping Paper.
Claims use since Jan. 25, 1951.

Ser. No. 612,216. Minnesota and Ontario Paper Company, Minneapolis, Minn. Filed Apr. 4, 1951.

MIRRIFLEX

Applicant claims ownership of Registrations Nos. 529,477, 529,479, and 529,482.
For Envelope, Container, and Wrapping Paper.
Claims use since Jan. 2, 1951.

Ser. No. 612,224. Uarco Incorporated, Chicago, Ill. Filed Apr. 4, 1951.

E-Z-LINKT

The word "Linkt" is disclaimed. Applicant claims ownership of Registrations Nos. 348,746 and 515,276.
For Manifold Forms With Interleaved Carbon Paper Fastened Together.
Claims use since Dec. 16, 1950.

Ser. No. 614,158. Minnesota and Ontario Paper Company, Minneapolis, Minn. Filed May 21, 1951.

MANDOFORM

Applicant claims ownership of Registrations Nos. 526,995, 526,996, 527,344, and 527,345.
For Writing, Printing, Wrapping, Label, and Packaging Paper.
Claims use since Aug. 5, 1949.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 574,017. Columbia Publications, Inc., New York, N. Y., and Holyoke, Mass. Filed Feb. 17, 1949. (Sec. 2f.)

ALL SPORTS

For Fiction Story Magazine.
Claims use since Aug. 1, 1939.

Ser. No. 576,841. Barclay Manufacturing Company, Inc., New York, N. Y. Filed Apr. 9, 1949.

BARCLAY TILEGRAM

The word "Barclay" is disclaimed.
For Periodicals Published at Irregular Intervals.
Claims use since July 1938.

Ser. No. 594,720. Peter B. Martin, New York, N. Y. Filed Mar. 27, 1950.

photography
WORKSHOP

The word "Photography" is disclaimed. The drawing is lined for shading.
For Periodical Publication in the Form of a Magazine.
Claims use since Mar. 22, 1950.

Ser. No. 599,832. Macfadden Publications, Inc., New York, N. Y. Filed June 27, 1950.

RADIO AND TELEVISION MIRROR

The words "Radio" and "Television" are disclaimed. Applicant claims ownership of Registration No. 374,382.
For Monthly Magazine.
Claims use since Jan. 19, 1950.

Ser. No. 606,444. William Stevens, Ltd., London, England. Filed Nov. 15, 1950. (Sec. 2f.)

FAMILY JOURNAL

The word "Journal" is disclaimed.
For Monthly Magazine.
Claims use since 1905.

Ser. No. 606,558. Trip Teaser Productions, Nevada City, Calif. Filed Nov. 17, 1950.

TRIP TEASER

For Travel Booklets Issued in a Series.
Claims use since June 29, 1950.

Ser. No. 609,402. Editors Press Service, Inc., New York, N. Y. Filed Jan. 30, 1951.

EPS

For Newspaper and Magazine Copy Material—Namely, Editorials, Feature Articles, Syndicated Columns and Comics, and Translations Thereof.
Claims use since Mar. 6, 1933.

Ser. No. 613,853. New York Herald Tribune Inc., New York, N. Y. Filed May 14, 1951.

Where in New York

The words "New York" are disclaimed.
For Newspaper Column.
Claims use since June 19, 1950.

Ser. No. 614,108. Sears, Roebuck and Co., Chicago, Ill. Filed May 19, 1951.

TOWER

For Greeting Cards, Christmas Cards, Birth Announcements, Birthday Cards.
Claims use since July 1947.

Ser. No. 614,176. The Times-Mirror Company, Los Angeles, Calif. Filed May 21, 1951.

ANNIE OAKLEY and TAGG

"Annie Oakley" was the pseudonym of the famous sharpshooter, Phoebe Mozee, now deceased.
For Series of Newspaper Cartoons.
Claims use since Apr. 2, 1951.

Ser. No. 614,177. The Times-Mirror Company, Los Angeles, Calif. Filed May 21, 1951.

ANNIE OAKLEY

"Annie Oakley" was the pseudonym of the famous sharpshooter, Phoebe Mozee, now deceased.
For Series of Newspaper Cartoons.
Claims use since Apr. 23, 1951.

Ser. No. 614,297. General Teleradio, Inc., Carteret, N. J. Filed May 24, 1951.

WOR

PRODUCT POLL

The words "Product Poll" are disclaimed. Applicant claims ownership of Registration No. 393,853.
For Monthly Periodical Containing Product Market Analyses.
Claims use since Dec. 18, 1950.

Ser. No. 614,997. Charles F. Sormani, New York, N. Y. Filed June 9, 1951.

POLYTINT

For Greeting Cards and Printed Wall Calendars Made of Paper.
Claims use since June 7, 1951.

Ser. No. 615,269. The Christian Science Publishing Society, Boston, Mass. Filed June 16, 1951. (Sec. 2f.)

TRIMESTRAL
DE LA
CHRISTIAN SCIENCE

The English translation of the Spanish word "Trimestral" is "Quarterly." Applicant claims ownership of Registrations Nos. 413,114, 415,007, 415,008, 408,862, 418,636, and 431,947.
For Periodical Published in the Spanish Language.
Claims use since May 14, 1946.

Ser. No. 615,481. William B. Collins Company, Gloversville and Johnstown, N. Y. Filed June 21, 1951.

The Leader-Republican

The word "Republican" is disclaimed.
For Newspaper Published Every Day Except Sundays and Holidays.
Claims use since Feb. 15, 1912.

Ser. No. 615,482. William B. Collins Company, Gloversville and Johnstown, N. Y. Filed June 21, 1951.

THE MORNING HERALD

The word "Morning" is disclaimed.
For Newspaper Published Every Morning Except Sundays and Legal Holidays.
Claims use since Mar. 27, 1897.

Ser. No. 616,701. Educational Testing Service, Princeton, N. J. Filed July 20, 1951.

ETS

For Printed Publications Pertaining to Education Published From Time to Time.
Claims use since Jan. 22, 1950.

Ser. No. 616,919. New York Herald Tribune Inc., New York, N. Y. Filed July 25, 1951.

WHERE IN THE WORLD

For Newspaper Column.
Claims use since July 10, 1951.

Ser. No. 617,155. Miller and Miller, Inc., Atlanta, Ga. Filed July 31, 1951.

STOP-LITE

For Printed Labels.
Claims use since September 1950.

CLASS 39

CLOTHING

Ser. No. 535,335. Margolin Shoe Company, Chicago, Ill. Filed Sept. 23, 1947.

WONDER STEP

The representation of a shoe is disclaimed.
For Shoes Made of Leather and Fabric.
Claims use since 1942.

Ser. No. 541,121. Fitwell Hosiery, Inc., Milwaukee, Wis. Filed Nov. 14, 1947. (Sec. 2f—Additional evidence.)

FITWELL HOSIERY

The word "Hosiery" and the representation of the goods are disclaimed. Applicant claims ownership of Registration No. 392,868.
For Ladies' and Misses' Hosiery.
Claims use since Oct. 15, 1940.

Ser. No. 541,130. A. H. Geuting Company, Philadelphia, Pa. Filed Nov. 14, 1947.

TOWN

GROUP

Applicant claims ownership of Registration No. 276,378.
For Men's Leather Shoes.
Claims use since Aug. 28, 1928.

Ser. No. 554,734. Thompson Bros. Shoe Co., Brockton, Mass. Filed Apr. 15, 1948. (Sec. 2f.)

I. SABEL
CORRECTIVE SHOES

The words "Corrective Shoes" are disclaimed. "I. Sabel" is the name of a living individual whose consent is given.
For Boots and Shoes for the Use of Men, Women, and Children.
Claims use since Aug. 1, 1927.

Ser. No. 578,031. Laros Textiles Company, Bethlehem, Pa. Filed Apr. 30, 1949. (Sec. 2f—Additional evidence.)

NO RIDE

Applicant claims ownership of Registrations Nos. 394,526, 410,155, and others.
For Ladies' Hosiery.
Claims use since Apr. 21, 1949.

Ser. No. 578,895. Red Wing Shoe Company, Inc., Red Wing, Minn., and Dallas, Tex. Filed May 14, 1949.

Little RED WING Shoes

The drawing is lined for the color red. The word "Shoes" is disclaimed.
For Leather Shoes for Infants, Children, and Misses.
Claims use since 1935.

Ser. No. 591,154. Feinberg-Wiesen, Inc., New York, N. Y. Filed Jan. 20, 1950.

Polly Brief

The name "Polly Brief" is fanciful.
For Dresses and Ladies' Suits.
Claims use since Jan. 11, 1950.

Ser. No. 595,004. Robert E. Smith, New York, N. Y., assignor to Kagran Corporation, New York, N. Y., a corporation of New York. Filed Mar. 31, 1950.

HOWDY DOODY

For Children's Cowboy Shirts.
Claims use since Dec. 8, 1948.

Ser. No. 597,129. Couri-Amoury Inc., New York, N. Y. Filed May 9, 1950.

dipa cova

The words "Dipa-Cova" are disclaimed.
For Infants' Diapers.
Claims use since Dec. 19, 1949.

Ser. No. 598,085. London Pride Limited, London, England. Filed May 25, 1950.

LONDON PRIDE

The word "London" is disclaimed. Applicant claims ownership of British Registrations Nos. 614,903, dated May 7, 1941, and B664,510, dated Nov. 28, 1947.
For Articles of Outer Clothing for Women and Children—Namely, Blouses, Dresses, and Suits.

Ser. No. 600,527. Alamo Manufacturing Co., Inc., New York, N. Y. Filed July 12, 1950.

Jiffywrap

For Back-Wrap and Brunch Coat.
Claims use since June 6, 1950.

Ser. No. 603,832. Bone Dry Shoe Mfg. Co., Tacoma, Wash. Filed Sept. 21, 1950. (Sec. 2f as to "Bone-Dry Bridgeworker.")

BONE-DRY BRIDGEWORKER

Applicant claims ownership of Registrations Nos. 129,355 and 509,299.
For Leather Work Shoes.
Claims use since September 1940.

Ser. No. 604,904. Colt Shoe Company, Boston, Mass. Filed Oct. 14, 1950.

CushionCraft

The word "Cushion" is disclaimed.
For Shoes of Leather, Rubber, Fabric, or Combinations Thereof, for Men and Women.
Claims use since Mar. 23, 1950.

Ser. No. 605,003. James Hosiery Mills, Incorporated, Greeneville, Tenn. Filed Oct. 12, 1950.

Holly

For Ladies' Full-Fashioned Stockings.
Claims use since July 1, 1950.

Ser. No. 606,466. Gerry Nufoam Shoe Corporation, New York, N. Y. Filed Nov. 16, 1950.

Gerry Nufoam

AQUAPLAST

The words "Gerry" and "Nufoam" are disclaimed.
For Women's and Children's Shoes and Slippers.
Claims use since Jan. 2, 1950.

Ser. No. 610,015. Francis Gibian, Inc., New York, N. Y. Filed Feb. 13, 1951.

Three Hearts

The drawing is lined for red.
For Hosiery, Stockings, Socks, Slips, Underwear, for Men, Women, Boys, and Girls.
Claims use since Jan. 30, 1951.

Ser. No. 610,497. Koret of California, Inc., San Francisco, Calif. Filed Feb. 24, 1951.

KORANYL

For Women's, Misses', and Children's Dresses, Halters, Outer Shorts, Outer Shirts, Blouses, Slacks, Pedal Pushers, and Jackets.
Claims use since Dec. 26, 1950.

Ser. No. 611,503. Cobblers Incorporated, Los Angeles, Calif. Filed Mar. 19, 1951. (Sec. 2f.)

California COBBLERS

The word "California" is disclaimed. Applicant claims ownership of Registration No. 403,337.
For Women's Shoes Made of Leather, Fabric, and Combinations of Leather and Fabric.
Claims use since Nov. 19, 1942.

Ser. No. 611,979. Stone-Tarlow Co., Inc., Brockton, Mass. Filed Mar. 29, 1951.

ELEVATORS

Applicant claims ownership of Registration No. 377,837.
For Men's Shoes.
Claims use since Jan. 8, 1940.

Ser. No. 612,400. Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Filed Apr. 9, 1951.

rhythmette

Applicant claims ownership of Registrations Nos. 327,706, 328,762, 330,007, 343,459, 352,004, 357,376, 357,379, 357,380, 357,386, 364,045, 380,540, 385,626, 385,627, and 429,058.
For Shoes of Leather, or a Combination of Leather, Rubber, or Fabric for Women and Misses.
Claims use since Mar. 9, 1951.

Ser. No. 613,482. Stox, Chicago, Ill., assignor to Betty J. Rawlings and Richard A. Rawlings, co-partners, doing business as Stox Company. Filed May 3, 1951.

Stox

For Infants' Slipper-Socks.
Claims use since Feb. 7, 1950.

Ser. No. 614,266. Sportleigh Hall, Inc., New York, N. Y. Filed May 23, 1951.

Sportleigh

Applicant claims ownership of Registrations Nos. 340,098, 346,235, and others.
For Ladies' Coats.
Claims use since June 10, 1936.

Ser. No. 614,609. Baitch & Castaldi, Inc., New York, N. Y. Filed June 1, 1951.



For Ladies', Misses', and Juniors' Coats and Suits.
Claims use since March 1949.

Ser. No. 615,087. Geo. A. Shaheen Co., Ltd., doing business as Shaheen's of Honolulu, Honolulu, Territory of Hawaii. Filed June 12, 1951.

Surf'n Sand

For Women's Wear—Namely, Dresses, Swim Suits, Blouses, and Skirts; Men's Wear—Namely, Shirts, Outer Shorts, Robes; Boys' Shirts, Outer Shorts; Girls' Shirts, Outer Shorts, and Robes.
Claims use since Feb. 8, 1947.

Ser. No. 615,476. The Bearfoot Sole Company, Inc., Boston, Mass. Filed June 21, 1951.

AIROCREPE

For Soles and Heels of Rubber Composition or Its Equivalent for Boots and Shoes.
Claims use since May 9, 1951.

Ser. No. 615,477. The Bearfoot Sole Company, Inc., Boston, Mass. Filed June 21, 1951.

CREPETOL

For Soles and Heels of Rubber Compositions or Its Equivalent for Boots and Shoes.
Claims use since May 9, 1951.

Ser. No. 615,528. Avonnac Shoe Company, Chicago, Ill. Filed June 22, 1951.

SIM-O-NAC

For Men's, Women's, and Children's Shoes.
Claims use since Oct. 10, 1948.

Ser. No. 616,411. The William Carter Company, Needham Heights, Mass. Filed July 13, 1951.

THUN THOOT

For Infants' and Children's Sun Suits.
Claims use since Jan. 10, 1951.

Ser. No. 618,494. The Florsheim Shoe Company, Chicago, Ill. Filed Sept. 7, 1951. (Sec. 2f.)

Florsheim

Applicant claims ownership of Registrations Nos. 77,632, 88,745, 146,737, and others.
For Men's and Women's Shoes and Boots.
Claims use since January 1890.

Ser. No. 621,642. Bayshore Industries, Inc., Elkton, Md. Filed Dec. 4, 1951.

BAYSHORE

Applicant claims ownership of Registration No. 526,134.
For Halloween, Masquerade, and Party Costumes.
Claims use since Mar. 1, 1949.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 605,919. Armand Schwab & Co., Inc., New York, N. Y. Filed Nov. 4, 1950.

"PICCOLO"

Applicant claims ownership of Registration No. 540,570.
For Millinery Braids.
Claims use since Sept. 18, 1950.

Ser. No. 612,170. James Lees and Sons Company, Bridgeport, Pa. Filed Apr. 3, 1951.

Lady Handicraft

The word "Handicraft" is disclaimed.
For Partly Finished Needlepoint.
Claims use since Aug. 11, 1950.

Ser. No. 615,847. Naus Trimming Co. Incorporated, New York, N. Y. Filed June 28, 1951.



For Garment Buttons.
Claims use since May 4, 1951.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 584,980. Empire Carpet Corporation, New York, N. Y. Filed Sept. 17, 1949.



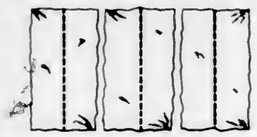
For Textile Rugs and Carpets.
Claims use since May 4, 1949.

Ser. No. 588,959. D. Jordaan & Zonen's Textielfabrieken N. V., Haaksbergen, Netherlands. Filed Dec. 7, 1949.

DUTCH MASTERPIECES

The word "Dutch" is disclaimed. Applicant claims ownership of Dutch Registration No. 100,745, dated June 17, 1949.
For Textile Piece Goods Made of Cotton, Linen, Silk, and Rayon or Combinations of These Raw Materials; Tablecloths, Doilies, Napkins, Sheets and Pillow Slips, Towels, and Tea Cloths Made of Cotton, Linen, Silk, and Rayon or Combinations of These Raw Materials.

Ser. No. 602,548. Day's Tailor-D Clothing, Inc., Tacoma, Wash. Filed Aug. 22, 1950.



The representation of the goods is disclaimed. Applicant claims ownership of Registration No. 396,013.
For Piece Goods of Cotton, Wool and/or Combinations of These Materials.
Claims use since Aug. 17, 1950.

Ser. No. 608,365. Martin Fabrics Corporation, New York, N. Y. Filed Jan. 4, 1951.

VELVARIB

For Velvet and Pile Fabrics in the Piece, Made of Silk, Wool, Cotton, and Synthetic Fibres.
Claims use since Oct. 5, 1950.

Ser. No. 612,912. William Hollins & Company Limited, Nottingham, England. Filed Apr. 20, 1951.

TINY TOTS

Applicant claims ownership of British Registration No. 302,059, dated Apr. 7, 1908, and United States Registration No. 280,919.
For Woolen Piece Goods.

Ser. No. 618,876. W. A. Ballinger & Co., San Francisco, Calif. Filed Sept. 17, 1951.

TEL-A-SIZE

For Sheets and Pillowcases.
Claims use since Aug. 10, 1951.

CLASS 43

THREAD AND YARN

Ser. No. 607,956. J. & P. Coats (R. I.) Inc., Pawtucket, R. I. Filed Dec. 21, 1950. (Sec. 2f.)



The words "No. 50," "500," "Yds," and "Best Six Cord" are disclaimed. Applicant claims ownership of Registrations Nos. 20,526, 60,307, and others.
For Thread.
Claims use since 1919.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 598,082. Johnson & Johnson, New Brunswick, N. J. Filed May 25, 1950. (Sec. 2f—Additional evidence.)

CUT-KIT

For Small Kit of Emergency First Aid Supplies, for Dental, Medical, and Surgical Use, and Including Gauze, Bandages, Adhesive Bandages, Adhesive Tape, and Antiseptics.
Claims use since Feb. 8, 1950.

Ser. No. 620,383. Baxter Laboratories, Inc., Morton Grove, Ill. Filed Oct. 29, 1951. (Sec. 2f.) CONCURRENT USE with Serial No. 620,380 for the area comprising the District of Columbia, the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Maryland, Delaware, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Tennessee, Kentucky, Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, Arkansas, Louisiana, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, and Texas, excepting the city of El Paso in Texas, and including Puerto Rico, the Virgin Islands, and the Canal Zone.

BAXTER

For Nasal Catheters, Stomach Tubes, Rectal Tubes, Rubber Tubing for Surgical Use, Tubes Equipped With Needles and Needle Adapters for the Administration of Parenteral Fluids, Air Filters for Filtering Air Entering Dispensing Containers of Parenteral Solutions, Needle Adapters and Drip Housings Employed in Sets for the Administration of Parenteral Fluids and Dispensing Containers for Parenteral Fluids for Hospital Use.
Claims use since Oct. 19, 1931.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 559,319. Oceanic Sales Co., Seattle, Wash. Filed June 16, 1948. (Sec. 2f.)

RED-E-LUNCH

Applicant claims ownership of Registration No. 109,497.
For Canned Salmon.
Claims use since 1915.

Ser. No. 564,382. Gerber Products Company, Fremont, Mich. Filed Aug. 30, 1948.



The infant's head is an artistic drawing of a picture of Ann Turner Cook taken when a child, whose consent is of record. Applicant claims ownership of Registrations Nos. 362,108, 313,879, and others.
For Canned Foods for Infants and Invalids—Namely, Strained Soup Mixed Vegetables, Strained Chicken Soup, Custard Pudding, Strained Carrots, Strained Beets, Strained Soup Vegetables and Beef, Strained Spinach, Strained Peas, Strained Soup Vegetables and Lamb, Strained Soup Vegetables and Bacon, Strained Soup Vegetables and Liver, Strained Squash, Strained Apricots With Farina, Strained Apple Sauce, Strained Pear and Pineapple, Strained Pears, Strained Green Beans, Strained Apricot-Apple Sauce, Strained Prunes, Strained Peaches, Orange Pudding, Chocolate Flavored Custard Pudding, Strained Sweet Potatoes; Junior Foods—Namely, Soup Vegetables and Bacon, Chopped Spinach, Soup Vegetables and Liver, Pears and Pineapple, Pineapple Rice Pudding, Chopped Green Beans, Chopped Peaches, Chopped Carrots, Soup Vegetables and Beef, Soup Vegetables and Lamb, Soup Vegetables and Chicken, Chopped Apricot-Apple, Chopped Apples, Chopped Mixed Vegetables With Barley and Yeast, Chopped Squash, Chopped Pears and Pineapple, and Chopped Beef With Beef Broth Added, Chopped Liver With Broth Added, Chopped Veal With Veal Broth Added, Strained Beef With Beef Broth Added, Strained Liver With Broth Added, and Strained Veal With Veal Broth Added.
Claims use since Oct. 12, 1928.

Ser. No. 564,384. Gerber Products Company, Fremont, Mich. Filed Aug. 30, 1948. (Sec. 2f as to "Gerber's.")



The infant's head is an artistic drawing of a picture of Ann Turner Cook taken when a child, whose consent is of record. Applicant claims ownership of Registrations Nos. 369,865, 405,310, and others.
For Canned Foods for Infants and Invalids—Namely, Strained Soup Mixed Vegetables, Strained Chicken Soup, Custard Pudding, Strained Carrots, Strained Beets, Strained Soup Vegetables and Beef, Strained Spinach, Strained Peas, Strained Soup Vegetables and Lamb, Strained Soup Vegetables and Bacon, Strained Soup Vegetables and Liver, Strained Squash, Strained Apricots With Farina, Strained Apple Sauce, Strained Pear and Pineapple, Strained Pears, Strained Green Beans, Strained Apricot-Apple Sauce, Strained Prunes, Strained Peaches, Orange Pudding, Chocolate Flavored Custard Pudding, Strained Sweet Potatoes; Junior Foods—Namely, Soup Vegetables and Bacon, Chopped Spinach, Soup Vegetables and Liver, Pears and Pineapple, Pineapple Rice Pudding, Chopped Green Beans, Chopped Peaches, Chopped Carrots, Soup Vegetables and Beef, Soup Vegetables and Lamb, Soup Vegetables and Chicken, Chopped Apricot-Apple, Chopped Apples, Chopped Mixed Vegetables With Barley and Yeast, Chopped Squash, Chopped Pears and Pineapple, and Chopped Beef With Beef Broth Added, Chopped Liver With Broth Added, Chopped Veal With Veal Broth Added, Strained Beef With Beef Broth Added, Strained Liver With Broth Added, and Strained Veal With Veal Broth Added.
Claims use since Oct. 12, 1928.

Ser. No. 566,527. J. Kendley Martin, Atlanta, Ga., doing business as The Standard Feed Milling Company, Hopkinsville, Ky. Filed Oct. 6, 1948. (Sec. 2f.)

Super QUALITY

The drawing is lined for blue and red, but color is not claimed as an essential characteristic of the mark.
For Poultry Feeds, Turkey Feeds and Livestock Feeds, the Principal Ingredients of Which Are Yellow Corn

Meal, Soybean Oil Meal, Corn Gluten Feed, Ground Barley, Ground Oats, Corn Oil Meal, Meat Meal, Wheat Gray Shorts, Hominy Feed, Alfalfa Meal, Wheat Bran, Peanut Oil Meal, Corn Distillers' Dried Solubles, Dried Whey.
Claims use since Feb. 15, 1930.

Ser. No. 572,545. Allied Mills, Inc., Chicago, Ill. Filed Jan. 22, 1949. (Sec. 2f—Additional evidence.)

KRUMS

Applicant claims ownership of Registrations Nos. 323,036 and 503,599.
For Dog, Fox, Turkey, and Poultry Feeds, the Principal Ingredients of All of Which Are Corn, Oats, Mill Feeds, and Animal and Vegetable Proteins
Claims use since Feb. 15, 1934.

Ser. No. 575,942. Stehman's Flour Mills, Mount Joy, Pa. Filed Mar. 23, 1949.

HIGH ART

For Wheat Flour.
Claims use since Apr. 1, 1895.

Ser. No. 578,930. Albert B. Harris, doing business as A. B. Harris Company, New York, N. Y. Filed May 16, 1949.

Surf Club BRAND

The word "Brand" is disclaimed.
For Canned Fish.
Claims use since Feb. 10, 1949.

Ser. No. 581,820. Louis Milani Foods, Inc., Los Angeles, Calif. Filed July 12, 1949. (Sec. 2f.)

TOUCH O' BEEF

For Seasoning for Making Gravy, Consisting of Beef Extract, Hydrolized Plant Protein, Onions, Carrots, Parsley, Celery, Caramel Color, Spices, Salt, and Water.
Claims use since June 1942.

Ser. No. 586,069. Ingvar Tokstad, doing business as A/S Normanna Packers Union Ltd., Miami, Fla. Filed Oct. 10, 1949.

"Tiny Tots"



The figures forming a part of the mark are fanciful.
For Canned Fish.
Claims use since October 1910

Ser. No. 587,342. The Mennel Milling Company, Fostoria and Toledo, Ohio. Filed Nov. 4, 1949. (Sec. 2f.)

AMBOY

The drawing is lined for red and blue but color is disclaimed.
For Wheat Flour.
Claims use since Sept. 13, 1937.

Ser. No. 587,345. The Mennel Milling Company, Fostoria and Toledo, Ohio. Filed Nov. 4, 1949. (Sec. 2f.)

SUPERCAKE

The drawing is lined to indicate red and blue colors, but no claim is made to color.
For Wheat Flour.
Claims use since Apr. 10, 1924.

Ser. No. 588,017. Estabelecimentos Manuel da Silva Torrado & Ca. (Irmaos), Sacavem de Baixo and Lisbon, Portugal. Filed Nov. 18, 1949.

SALOIO

The English translation of the mark is "Villager." Applicant claims ownership of Portuguese Registration No. 37,348, dated May 20, 1929, and United States Registrations Nos. 260,938 and 260,349.
For Ripe Olives in Brines.

Ser. No. 588,811. Riviera Packing Company, Oakland, Calif. Filed Dec. 5, 1949.

RIVIERA

For Canned Spaghetti, Canned Ravioli With Italian Style Tomato Sauce, Canned Chicken Ravioli With Mushroom Flavored Sauce, Canned Tamale, Canned Boneless Chicken Tamale, and Canned Italian Style Mushroom Flavored Spaghetti Sauce.
Claims use since May 1, 1934.

Ser. No. 595,446. Cheez Whip, Inc., Buffalo, N. Y. Filed Apr. 8, 1950.

Cheez Whip

The word "Cheez" is disclaimed.
For Cottage Cheese.
Claims use since Jan. 3, 1950.

Ser. No. 596,115. W. G. Peacock Company, Evanston, Ill. Filed Apr. 21, 1950. (Sec. 2f.)

SOUTH PACIFIC

For Coconut Syrup Usable as a Table Syrup and as an Ingredient.
Claims use since May 1938.

Ser. No. 596,957. Sylvan Sweets Co., Easton, Pa. Filed May 5, 1950.

Chest-o-Luck

For Candy Cigarettes.
Claims use since Apr. 19, 1950.

Ser. No. 599,554. Cresca Company, Inc., New York, N. Y. Filed June 22, 1950.

Applicant claims ownership of Registrations Nos. 39,568, 61,059, and others.
For Artichoke Bottoms, Bar Le Duc, Capers, Creme de Marrons, Gooseliver, Marrons, Mushrooms, Mustard, Olives, Pate de Foie Gras, Puree de Foie Gras, Snails, and Truffles, All of Which Are Contained in Cans or Jars.
Claims use since July 1904.

Ser. No. 601,119. Ralston Purina Company, St. Louis, Mo. Filed July 22, 1950.

CHEX

Applicant claims ownership of Registrations Nos. 35,569, 256,658, and others.
For Cereal Breakfast Foods.
Claims use since July 14, 1950.

Ser. No. 601,192. Lewis L. Bredin, doing business as Vitalitea Products Company, Pacific Palisades, Calif. Filed July 25, 1950.

VITALITEA

For Tea.
Claims use since June 8, 1950.

Ser. No. 601,866. G. P. Gundlach & Co., Inc., Cincinnati, Ohio. Filed July 11, 1950.

MARACAS

For Ice Cream.
Claims use since Sept. 1, 1946.

Ser. No. 602,359. Bobby Pops Corp., Rochester, N. Y. Filed Aug. 18, 1950.

BOBBY POPS

The word "Pops" is disclaimed.
For Frozen Confections on a Stick.
Claims use since June 21, 1950.

Ser. No. 604,559. British Kipper Exporters, Limited, Edinburgh, Scotland. Filed Oct. 4, 1950.

Queen of Scots

Applicant claims ownership of British Registration No. B690,970, dated July 25, 1950.
For Fresh Frozen Kippered Herring.

Ser. No. 607,250. G. P. Gundlach & Co., Inc., Cincinnati, Ohio. Filed Dec. 4, 1950.

Divinitea

For Salad Dressing.
Claims use since Jan. 2, 1948.

Ser. No. 607,496. Gerber Products Company, Oakland, Calif. Filed Dec. 9, 1950.

WARRANTY

Applicant claims ownership of Registration No. 279,766.
For Canned Fruits, Canned Vegetables, Canned Vegetable Juices, and Tomato Catsup.
Claims use since Jan. 9, 1923.

Ser. No. 609,635. Eaton Canning Company, Eaton, Ind. Filed Feb. 5, 1951.

CANDID

For Canned Tomato Juice, Canned Tomato Puree, Canned Vegetables, and Canned Pork and Beans.
Claims use since Jan. 1, 1921.

Ser. No. 609,923. Gravymaster Company, Inc., Long Island City, N. Y. Filed Feb. 10, 1951.



The words "Gravy" and "Ready Gravy" are disclaimed. The drawing is lined for the colors orange and brown. Applicant claims ownership of Registration No. 330,747.
For Prepared Gravies.
Claims use since Dec. 15, 1950.

Ser. No. 610,719. Standard Milling Company, Chicago, Ill. Filed Mar. 1, 1951.



Applicant claims ownership of Registration No. 159,531.
For Wheat Flour.
Claims use since July 1945.

Ser. No. 610,773. White Feed Mills, Incorporated, Green Isle, Minn. Filed Mar. 2, 1951.



The lining is for red.
For Cattle, Hog, and Poultry Feeds, Including Vitamized or Enriched Feeds.
Claims use since July 1949.

Ser. No. 615,276. General Foods Corporation, New York, N. Y. Filed June 16, 1951.

FARMSIDE

Applicant claims ownership of Registration No. 80,276.
For Frozen Vegetables and Frozen Poultry.
Claims use since Jan. 7, 1946.

Ser. No. 615,422. Mrs. Tucker's Foods, Inc., Sherman, Tex. Filed June 19, 1951.

Glen Eden

The mark is fanciful. Applicant claims ownership of Registration No. 512,773.
For Fresh Milk; Cream; Cheese; Chocolate Drink, Containing Milk, Chocolate Syrup, and 1.5% Butter Fat; Buttermilk; Oleomargarine.
Claims use since Sept. 11, 1947.

Ser. No. 615,588. Voigt Milling Company, Grand Rapids, Mich. Filed June 22, 1951. (Sec. 2f as to "Voigt's.")



Applicant claims ownership of Registration No. 83,375.
For Enriched Wheat Flour, Wholewheat Flour, Cake Flour, Graham Flour, Rye Flour, Buckwheat Flour, Pancake Flour, Wholewheat Pancake Flour, Self-Rising Buckwheat Pancake Flour, Golden Corn Meal, and White Corn Meal.
Claims use since July 1910 as to the mark shown; and since August 1883 as to the mark "Crescent" in different form.

Ser. No. 616,626. Martin H. Cope Company, Rheems, Pa. Filed July 18, 1951. (Sec. 2f.)

MARTIN H. COPE'S

Consent of Martin H. Cope is of record.
For Canned Evaporated Sweet Corn and Dried Packaged Sweet Corn.
Claims use since January 1937.

Ser. No. 616,907. Falls City Creamery Company, Falls City, Nebr. Filed July 25, 1951.

DARITEX

For Food Compound for Use in Cooking and Baking Consisting of Egg Yolk, Egg Whites, Dried Whey and Water.
Claims use since Apr. 6, 1951.

Ser. No. 617,528. Arago Cooperative Cheese Association, Arago, Oreg. Filed Aug. 10, 1951.

ARAGOLD

For Cheese.
Claims use since May 22, 1951.

Ser. No. 618,374. Rudolph John Stenzel, doing business as R. Stenzel Food Products and R. Stenzel Pickle Products, San Leandro, Calif. Filed Sept. 4, 1951.

TUM-E-YUMS

For Fresh Cucumber Chips.
Claims use since Aug. 15, 1951.

Ser. No. 618,538. Doud Milling Company, Denison, Iowa. Filed Sept. 8, 1951.

FIDELITY

Applicant claims ownership of Registration No. 250,091.
For Pancake Flour, Breakfast Cereal, Corn Meal, Rye Graham Flour, Rye Flour, Wheat Graham Flour and Whole Wheat Flour.
Claims use since 1898.

Ser. No. 622,166. Norris Inc., Atlanta, Ga. Filed Dec. 6, 1951.

THE THREE BEARS

For Candy.
Claims use since 1920.

CLASS 47

WINES

Ser. No. 511,010. De La Salle Institute, doing business as Mont La Salle Vineyards, Napa, Calif. Original filed, act of 1905, Oct. 17, 1946; amended to application under act of 1946, Principal Register, Feb. 20, 1948.

MONT LA SALLE

For Altar Wines.
Claims use since 1931.

Ser. No. 568,119. Schenley Distillers Corporation, doing business as Gold Kist Wine Company, New York, N. Y.; said Schenley Distillers Corporation now by change of name Schenley Industries, Inc., a corporation of Delaware. Filed Nov. 3, 1948.

Jo Anne

For Wine.
Claims use since Oct. 12, 1948.

Ser. No. 588,702. Napa Valley Co-Operative Winery, St. Helena, Calif. Filed Dec. 2, 1949.

VIN-MONT

The word "Vin" is disclaimed.
For Wines.
Claims use since Jan. 21, 1949.

Ser. No. 588,891. Schenley Industries, Inc., also doing business as Jo-Ann Vineyards, New York, N. Y., and Fresno, Calif. Filed Dec. 6, 1949.

Jo-Ann

For Wines.
Claims use since Sept. 27, 1949.

Ser. No. 614,120. Lucien Ardin, Inc., New York, N. Y. Filed May 21, 1951. (Sec. 2f.)

ARDIN

Applicant claims ownership of Registrations Nos. 389,487, 397,865, and others.
For Wines and Vermouth.
Claims use since 1903.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 578,377. Columbian Steel Tank Company, Kansas City, Mo. Filed May 7, 1949. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 419,303, 420,539.
For Hog Feeders; Portable Hog Waterers, and Portable Stock Fountains.
Claims use since June 1, 1941.

Ser. No. 604,177. American Mat Corporation, Toledo, Ohio. Filed Sept. 29, 1950. (Sec. 2f.)

COUNTER TRED

For Protective and Cushioning Mats and Rugs Fabricated From Rubber, Rubber Substitutes, and Similar Materials.
Claims use since July 1934.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 540,377. Brunswick Soap Co., Inc., Brooklyn, N. Y. Filed Nov. 7, 1947.

Lovely Lady
FIT FOR A QUEEN

The phrase "Fit for a Queen" is disclaimed.
For Soap.
Claims use since July 1, 1946.

Ser. No. 550,999. E. F. Drew & Co. Inc., New York, N. Y. Filed Mar. 2, 1948.

DRISYN

For Organic Condensation Product Having Emulsifying Properties and Soluble in Oils, Petroleum, and Chlorinated Organic Liquid Solvents, and Adapted To Be Added to Organic Liquids to Form Water-in-Oil Emulsions for Industrial and Household Dry Cleaning Purposes.
Claims use since Nov. 26, 1947.

Ser. No. 561,890. Diamond Alkali Company, Cleveland, Ohio. Filed July 22, 1948. (Sec. 2f—Additional evidence.)

ALL PURPOSE W

For Inorganic Detergent Having Water Softening Properties Especially for Cleaning Dairy Equipment.
Claims use since Nov. 16, 1942.

Ser. No. 585,432. Commercial Solvents Corporation, New York, N. Y. Filed Sept. 28, 1949.

NOR'WAY

Applicant claims ownership of Registrations Nos. 353,720, 393,257, and others.

For Compositions for Cleaning Carburetors, Fuel Pumps, Small Metal Parts, and the Like and Car Wash for Removing Dirt, Oil, Road Film, Grease and the Like From Surfaces.

Claims use since June 17, 1949.

Ser. No. 592,746. Artistic Beauty Products Company, Los Angeles, Calif. Filed Feb. 20, 1950.

FOAM VELVET

The word "Foam" is disclaimed.

For Hair Shampoo.

Claims use since Sept. 1, 1949.

Ser. No. 593,065. Feller Jones Corporation, New York, N. Y. Filed Feb. 25, 1950.

TRIPLE CLEAN

The word "Clean" is disclaimed.

For Cleaner Fluid for Floors, Painted Walls, Tiles, and Marble Surfaces.

Claims use since Oct. 25, 1949.

Ser. No. 597,531. H. Kohnstamm & Co., Inc., New York, N. Y. Filed May 16, 1950.

H&K SERVICE THROUGH CHEMISTRY

The representation of the man is purely fanciful. The words "Service Through Chemistry" are disclaimed.

For Soap: Soap in Chips and Bars; Powdered Soap for Laundry and Textile Purposes; Soap for Washing Silks, Wools, Rayons, and Other Fine Fabrics; Soap Flakes; a Cleaning Powder for Laundry Purposes; a Washing Powder for Laundry Purposes; and a Washing Compound for Laundry Purposes.

Claims use since Apr. 1, 1947.

Ser. No. 600,689. Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Filed July 14, 1950.

M&D

For Soapless Cleansing Preparation Specially Adapted for Use in Washing Dishes.

Claims use since June 12, 1950.

Ser. No. 600,690. Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Filed July 14, 1950.

SC

The lining is for red.

For Soapless Cleansing Preparation Specially Adapted for Use in Washing Dishes.

Claims use since June 12, 1950.

Ser. No. 600,691. Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Filed July 14, 1950.

Skylark

For Soapless Cleansing Preparation Specially Adapted for Use in Washing Dishes.

Claims use since June 12, 1950.

Ser. No. 602,674. Church & Dwight Co., Inc., New York and Syracuse, N. Y. Filed Aug. 24, 1950.

cd CHURCH & DWIGHT

The notation "Church & Dwight" is disclaimed. Applicant claims ownership of Registrations Nos. 505,168 and 510,504.

For General Purpose Household Cleaner.

Claims use since Aug. 14, 1950.

Ser. No. 605,096. Florence M. Hardman, doing business under the name and style of X-Act Company, Chicago, Ill. Filed Oct. 18, 1950.

X-ACT

For Household Cleaning Cream for Cleaning Painted and Varnished Surfaces, Woodwork, Walls, Linoleum, Tile, Venetian Blinds, and for Cleaning the Hands.

Claims use since Sept. 26, 1950.

Ser. No. 605,745. Jetron Company, Milwaukee, Wis. Filed Nov. 1, 1950.

JETRON SILICONE

The word "Silicone" is disclaimed.

For Silicone Base Cleaning Wax Preparation for Use in Removing Dust, Dirt, and Smudges From Glass or Plastic Surfaces, Such as Television Screens, Windows, Mirrors, Plastic Clocks, Radios, and the Like.

Claims use since Sept. 26, 1950.

Ser. No. 608,597. Fine Organics, Inc., New York, N. Y. Filed Jan. 10, 1951.

STRATOCLEANER

For Alkali Cleaning Composition for Cleaning Smoke and Exhaust Tracks From Aircraft Metallic Wings and Nacelles, and for Cleaning General Metallic Surfaces.

Claims use since June 30, 1950.

Ser. No. 608,598. Fine Organics, Inc., New York, N. Y. Filed Jan. 10, 1951.

STRATOGEL

For Cleaning Composition for Painted, Varnished, and Enameled Surfaces, Metal and Linoleum.

Claims use since Jan. 9, 1950.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 615,542. Educational Testing Service, Princeton, N. J. Filed June 22, 1951.

ETS

For Testing Services—Namely, Developing, Constructing and Administering Tests and Testing Programs for Specialized Educational Purposes; Conducting Research for the Purpose of Advancing Test Theory and Practice; and Providing Advisory Testing Services to Schools, Colleges, and Other Educational Institutions.

Claims use since October 1949.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 585,198. John T. Trefry and Company, Boston, Mass. Filed Sept. 22, 1949. (Sec. 2f.)

TREFRY 1908

The word and date "Insurance 1908" is disclaimed.

For General Fire, Marine, Casualty, and Life Insurance Brokerage Services.

Claims use since Feb. 15, 1939.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 612,868. Magnaflux Corporation, Chicago, Ill. Filed Apr. 19, 1951.

Applicant claims ownership of Registrations Nos. 394,173 and 431,000.

For Making Magnetic Particle Inspections of Submitted Ferro Magnetic Articles in Order to Determine the Presence or Absence of Flaws, Defects, or Other Surface Discontinuities.

Claims use since January 1941.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,660. Electrical High Frequency Apparatus Consisting of Electric High Frequency Transmission Lines—Namely, Concentric or Coaxial Lines, Wave Guides and Associated Apparatus Including Fittings Therefor. Sperry Gyroscope Company, Inc., Brooklyn, N. Y., now by merger The Sperry Corporation, a corporation of Delaware.
Filed Nov. 30, 1944, Serial No. 477,081. Published Nov. 27, 1951. Class 21.

444,661. Portable Power Driven Saws. Machine-Craft Manufacturing Co., Los Angeles, Calif.
Filed June 29, 1946, Serial No. 504,851. Published Dec. 11, 1951. Class 23.

444,662. Protective Plastic Rain Cape To Be Worn by a Child While Riding in a Baby Stroller. Ellsebeth E. Snow, Portland, Oreg.
Filed Feb. 3, 1947, Serial No. 516,872. Published Nov. 27, 1951. Class 39.

444,663. Paints and Industrial Finishes Specifically, Oil Paints, Exterior Paints, Interior Paints, Water Thinned Paints, Paint Enamels, Varnishes, Paste Paints, Baking Enamels, Protective Paint Coatings, and Resistant Paint Linings. Color Craft Corporation, Baltimore, Md.
Filed June 5, 1947, Serial No. 523,567. Published July 3, 1951. Class 16.

444,664. Refractory Coating To Be Applied by Brush or Spray-Gun to the Interior of High Temperature Furnaces Which Vitrifies When the Furnace Is Placed in Operation To Form a Monolithic Infusible Coating With Heat Refractory Characteristics Affording Protection to the Furnace Interior and Inhibiting the Formation of Slag on Furnace Fire Walls. Armor-Clad Company, Newark, N. J.
Filed July 3, 1947, Serial No. 525,762. Published Nov. 27, 1951. Class 12.

ACT OF 1946, PRINCIPAL REGISTER

555,168. Flanged Compressor Valve. Superior Valve and Fittings Company, Pittsburgh, Pa.
Original filed, act of 1905, Sept. 16, 1946; amended to application under act of 1946, Principal Register, Aug. 30, 1951, Serial No. 509,180. Published Dec. 11, 1951. Class 13.

555,169. Radio Instrument and Automatic Landing Equipment for Aircraft, Etc. Sperry Gyroscope Company, Inc., Great Neck, N. Y., now by merger The Sperry Corporation, a corporation of Delaware.
Original filed, act of 1905, Dec. 5, 1946; amended to application under act of 1946, Supplemental Register, Oct. 21, 1947; amended to Principal Register, Sept. 25, 1948, Serial No. 513,781. Published Dec. 4, 1951. Class 26.

555,170. Electric Lighting Luminaires. McGraw Electric Company, Chicago, Ill., by merger with Line Material Company.
Original filed, act of 1905, Apr. 7, 1947; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 520,286. Published Nov. 27, 1951. Class 21.

555,171. Mattresses and Box Springs. Massachusetts Mattress Company, Boston, Mass.
Original filed, act of 1905, June 10, 1947; amended to application under act of 1946, Principal Register, Feb. 21, 1949, Serial No. 523,909. Published Dec. 11, 1951. Class 32.

555,172. Mattresses and Box Springs. Massachusetts Mattress Company, Boston, Mass.
Original filed, act of 1905, June 10, 1947; amended to application under act of 1946, Principal Register, Feb. 21, 1949, Serial No. 523,910. Published Dec. 11, 1951. Class 32.

555,173. Mattresses and Box Springs. Massachusetts Mattress Company, Boston, Mass.
Original filed, act of 1905, June 10, 1947; amended to application under act of 1946, Principal Register, Feb. 21, 1949, Serial No. 523,911. Published Dec. 11, 1951. Class 32.

555,174. Mattresses and Box Springs. Massachusetts Mattress Company, Boston, Mass.
Original filed, act of 1905, June 12, 1947; amended to application under act of 1946, Principal Register, Feb. 21, 1949, Serial No. 524,069. Published Dec. 11, 1951. Class 32.

555,175. Wheat Flour. Standard Milling Company, Chicago, Ill.
Filed July 25, 1947, Serial No. 529,499. Published Dec. 4, 1951. Class 46.

555,176. Gummed Paper Tape. The Gummed Products Company, Troy, Ohio.
Filed Aug. 26, 1947, Serial No. 532,447. Published Nov. 6, 1951. Class 5.

555,177. Board and Card Games. Rochester Enterprises, Inc., Rochester, N. Y.
Filed Oct. 27, 1947, Serial No. 539,216. Published Dec. 5, 1950. Class 22.

555,178. Men's and Women's Hosiery. Bettersox Knitting Mills, Fort Atkinson, Wis.
Filed Nov. 28, 1947, Serial No. 542,515. Published Nov. 27, 1951. Class 39.

555,179. Sports Clothing—Namely, Men's Hunting Coats, Hunting Pants (Breeches), Hunting Vests, Hunting Caps and Hats, Rubberized Parkas and Rubberized Two-Piece Suits, Fishermen's Shirts, and Hunting Shirts. Kelley-How-Thomson Co., Duluth, Minn.
Filed Dec. 18, 1947, Serial No. 544,740. Published Nov. 27, 1951. Class 39.

555,180. Chewing Gum. American Chewing Products Corp., Newark, N. J., assignor to Frank H. Fleer Corporation, Philadelphia, Pa., a corporation of Delaware.
Filed Dec. 23, 1947, Serial No. 545,213. Published July 12, 1949. Class 46.

555,181. Men's and Women's Sport Shirts and Sport Jackets. L. W. Foster Sportswear Co., Inc., Philadelphia, Pa.
Filed Dec. 23, 1947, Serial No. 545,245. Published Nov. 27, 1951. Class 39.

555,182. Boys' and Youths' Sport and Dress Shirts and Pajamas. The Marlan Company, Philadelphia, Pa.
Filed Dec. 26, 1947, Serial No. 545,501. Published Nov. 27, 1951. Class 39.

555,183. Paints for Automotive Vehicles, Paint Primers, and Paint Thinners. R. N. Nason & Co., San Francisco, Calif.
Filed Jan. 13, 1948, Serial No. 546,862. Published Dec. 4, 1951. Class 16.

555,184. Men's and Young Men's and Boys' Suits, Coats, Trousers, Sport Coats, Sport Jackets, Sport Trousers, and Sport Slacks, and Boys' Knee Pants. Schloss Bros. & Co. Inc., Baltimore, Md.
Filed Sept. 22, 1947, Serial No. 547,391. Published Nov. 27, 1951. Class 39.

555,185. Girdles, Pantles, and Foundation Garments. Biflex Foundations, Inc., New York, N. Y.
Filed Jan. 31, 1948, Serial No. 548,475. Published Dec. 11, 1951. Class 39.

555,186. Gasoline and Lubricating Oils. The Southland Company, Yazoo City, Miss.
Filed Feb. 26, 1948, Serial No. 550,627. Published Dec. 20, 1949. Class 15.

555,187. Preparation Consisting of Dehydrated Egg Albumen and Egg Yolk in Powder Form for Use With Ground Meat or Meat in Any Form. Tenderet Sales Company, Chicago, Ill.
Filed Feb. 28, 1948, Serial No. 550,860. Published Dec. 11, 1951. Class 46.

555,188. Laminated Panel of Wood and Metal Bonded Together To Be Used as a Construction Material. United States Plywood Corporation, New York, N.Y.
Filed Mar. 5, 1948, Serial No. 551,340. Published Nov. 20, 1951. Class 12.

555,189. Metal Working Machinery—Namely, Tube and Pipe Making Machinery, Etc. The Aetna-Standard Engineering Company, Youngstown, Ohio.
Filed Mar. 22, 1948, Serial No. 552,625. Published Dec. 4, 1951. Class 23.

555,190. Articles of Furniture—Namely, Buffets, Tables, Etc. Tomlinson of High Point, High Point, N. C.
Filed Mar. 23, 1948, Serial No. 552,816. Published Dec. 11, 1951. Class 32.

555,191. Automatic Mixing, Kneading, and Processing Machinery for Plastic Materials. The H. W. North Company, Erie, Pa.
Filed Mar. 24, 1948, Serial No. 552,873. Published Oct. 16, 1951. Class 23.

555,192. Women's Nightgowns, Pajamas, Lounging Gowns, and Bathrobes, and Negligees. Elysee Lingerie Corporation, Bronx, New York, N. Y.
Filed Mar. 25, 1948, Serial No. 552,961. Published Dec. 11, 1951. Class 39.

555,193. Stock and Poultry Feeds. Flour Mills of America, Inc., doing business under the name and style of Goodlander Mills Company, Kansas City, Mo., and Fort Scott, Kans.
Filed Apr. 1, 1948, Serial No. 553,607. Published Nov. 13, 1951. Class 46.

555,194. Clear and Colored Lacquer and Synthetic Resinous and Phenolic Coating, for Metal, Wood, Textiles, Paper, Leather and Other Similar Surfaces. The Chemical Coatings Corporation, Rocky Hill, Conn.
Filed Apr. 9, 1948, Serial No. 554,208. Published Mar. 27, 1951. Class 16.

555,195. Fresh Grapes. Pinkham Properties, Exeter, Calif.
Filed Apr. 20, 1948, Serial No. 555,075. Published Nov. 27, 1951. Class 46.

555,196. Shoe String Potatoes. Albert J. Poole, doing business as Pik-Nik Food Products Co., San Jose, Calif.
Filed Apr. 26, 1948, Serial No. 555,626. Published Nov. 20, 1951. Class 46.

555,197. Valves for Controlling the Flow of Hydraulic Fluid Through, and for Regulating Free Discharge of Hydraulic Fluid From Pipes and Mains. The Baldwin Locomotive Works, Eddystone, and Philadelphia, Pa., now by change of name Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania.
Filed Dec. 15, 1947, Serial No. 555,896. Published Dec. 11, 1951. Class 13.

555,198. Remedy for Athlete's Foot. James G. Carr, Sr., trading and doing business as Carr's Drug Store, Centreville, Miss.
Filed Apr. 30, 1948, Serial No. 555,916. Published Nov. 6, 1951. Class 18.

555,199. Hair-Retaining Devices—Namely, Combs and Barrettes. Brooklyn Mills, Inc., New York, N. Y.
Filed May 4, 1948, Serial No. 556,173. Published Dec. 11, 1951. Class 40.

555,200. Beds and Bunk Beds, Vanity Chairs, Night Tables, Dinette Furniture Sets Including Chairs and Tables, Chests of Drawers, Vanities, Desks, Night Stands, Cabinets for Household Use (Breakfront Cabinets), and Combination Bed and Chest. Superior Sleeprite Corporation, Chicago, Ill.
Filed May 17, 1948, Serial No. 557,222. Published Dec. 11, 1951. Class 32.

555,201. Non-Clogging Sewage Pumping Unit. Chicago Pump Company, Chicago, Ill.
Filed May 27, 1948, Serial No. 557,899. Published Dec. 4, 1951. Class 23.

555,202. Smoked and Cooked Hams, Smoked Picnics, Link Sausage, Bologna, Salami, Frankfurters, and Bacon. The Smithfield Packing Company, Inc., Smithfield, Va.
Filed June 3, 1948, Serial No. 558,420. Published Dec. 4, 1951. Class 46.

555,203. Transparent, Liquid Finish for Wood Surfaces, in the Nature of a Varnish. Arny Chemical Corporation, New York, N. Y.
Filed June 4, 1948, Serial No. 558,442. Published Nov. 27, 1951. Class 16.

555,204. Ladies' and Children's Slips. I. Schneierson & Sons, Inc., New York, N. Y.
Filed June 10, 1948, Serial No. 558,940. Published Dec. 11, 1951. Class 39.

555,205. Mattresses. The National-Rose Company, Memphis, Tenn.
Filed June 17, 1948, Serial No. 559,531. Published Dec. 11, 1951. Class 32.

555,206. Inside and Outside Ready Mixed Paints. Tropical Paint Manufacturing Company, Inc., Tampa, Fla., now by change of name Tropco Paint, Inc., a corporation of Florida.
Filed June 23, 1948, Serial No. 560,065. Published Nov. 27, 1951. Class 16.

555,207. Garments for Men and Women — Namely, Jackets, Coats, Dresses, Boleros, Skirts, Suits, Stoles, and Berets. Taylor's of California, Los Angeles, Calif.
Filed July 3, 1948, Serial No. 560,731. Published Nov. 20, 1951. Class 39.

555,208. Wire Sound Recording and Reproducing Apparatus and Recording Wire Therefor for Use in Connection With Silent Motion Picture Film. James F. Bailey, trading and doing business as Movievox Company, San Antonio, Tex.
Filed July 6, 1948, Serial No. 560,750. Published May 8, 1951. Class 21.

555,209. Polo Shirts, Creepers, Cardigans, Play Suits, and Pajamas of Knitted Fabric for Men, Women, Children, and Infants. Darlynn Knitwear Corporation, New York, N. Y.
Filed July 17, 1948, Serial No. 561,616. Published Nov. 20, 1951. Class 39.

555,210. Paint Enamels. Standard Varnish Works, Staten Island, N. Y., now by change of name Standard-Toch Chemicals, Inc.
Filed July 20, 1948, Serial No. 561,783. Published Oct. 9, 1951. Class 16.

555,211. Sponge Rubber Cushions. The Dayton Rubber Company, Dayton, Ohio.
Filed July 21, 1948, Serial No. 561,810. Published Dec. 11, 1951. Class 32.

555,212. Electronic Flash Apparatus in Which a Capacitor Is Charged and Thereafter Discharged Through a Gas-Filled Tube To Produce a Flash of Light. American Speedlight Corporation, Richmond Hill, N. Y.
Filed July 24, 1948, Serial No. 562,116. Published Dec. 4, 1951. Class 26.

555,213. Road Graders, Rollers; Bulldozers, Scarifiers, V-Plows and Loader Attachments for Road Graders. Road Sweepers, Road Rollers, Portable and Stationary Crushing and Screening Plants, Belt Conveyors, Self-Propelled Shovels, Clamshells, Trench Hoes, Cranes, Draglines, Skimmers, and Pile Drivers. Austin-Western Company, Aurora, Ill.
Filed Aug. 5, 1948, Serial No. 562,817. Published Dec. 4, 1951. Class 23.

555,214. Window Shades. Davison's Northwest Shade & Linolenm Service Inc., Seattle, Wash.
Filed Aug. 24, 1948, Serial No. 563,910. Published Dec. 11, 1951. Class 32.

555,215. Preparation for Removing Paint or Varnish From Surfaces Coated With Paint, Varnish, or Enamel. Wilson-Imperial Company, Newark, N. J.
Filed May 5, 1948, Serial No. 564,037. Published Nov. 27, 1951. Class 16.

555,216. The Following Structural and Replacement Parts for Automotive and Aviation Vehicles: Connecting Rod Bearings, Pistons, Carburetors and Parts Thereof, Fuel Pumps, Poppet Valves for Internal Combustion Engines, Fan Blades, Generator Pulleys, Mufflers, and Clutch Springs. The Bowman Products Co., Cleveland, Ohio.
Filed June 16, 1948, Serial No. 564,075. Published Dec. 11, 1951. Class 23.

555,217. Cottonseed Salad Oil. Tama Trading Company, Inc., Los Angeles, Calif.
Filed Aug. 28, 1948, Serial No. 564,358. Published Nov. 13, 1951. Class 46.

555,218. Men's and Young Men's Coats, Vests, Trousers, and Overcoats. Goodman & Suss Clothes Corporation, New York, N. Y.
Filed Feb. 4, 1948, Serial No. 548,728. Published Nov. 27, 1951. Class 39.

555,219. Anti-Infection Medicinal Preparation in the Form of a Protein Therapeutic Product. Maria Luisa Nicolin de Padilla, Mexico City, Mexico.
Filed Aug. 31, 1948, Serial No. 564,456. Published Dec. 4, 1951. Class 18.

555,220. Relays, Solenoid Valves, Electric-Motor Driven Furnace Damper Operators, and Automatic Electric Switches, Particularly Pressure-Operated, Float-Operated, Vacuum-Operated, Humidity-Operated, and Electric Clock-Operated Switches. Penn Electric Switch Co., Goshen, Ind., now by merger Penn Controls, Inc., a corporation of Indiana.
Filed Aug. 31, 1948, Serial No. 564,463. Published Nov. 20, 1951. Class 21.

555,221. Door-Closers and Parts Thereof, Door and Window Finishing Hardware—Namely, Escutcheons, Door Pulls, Door Knobs, Door Knockers, Drawer Pulls, Cupboard Catches, Cupboard Turns, Transom Catches, Casement Adjusters, Door Stops. Independent Lock Company, Fitchburg, Mass.
Filed Sept. 8, 1948, Serial No. 564,817. Published Dec. 11, 1951. Class 13.

555,222. Temperature Responsive Electrical Apparatus for Controlling the Temperature of an Enclosure, Including Combination Structures Comprising One or More Thermostats Cooperatively Associated With One or More Electrically Energized Relays. Vapor Heating Corporation, Chicago, Ill.
Filed Sept. 13, 1948, Serial No. 565,092. Published Dec. 4, 1951. Class 26.

555,223. Ladies' Slips. The Barbizon Corporation, New York, N. Y.
Filed Sept. 18, 1948, Serial No. 565,407. Published Apr. 4, 1950. Class 39.

555,224. Gutter and Downspout Supports and Accessories Such as Downspout Hooks, C End Caps, and Shanks. Royal Apex Manufacturing Corporation, Brooklyn, N. Y.
Filed Sept. 15, 1948, Serial No. 565,859. Published Nov. 6, 1951. Class 12.

555,225. Door Locks, Steering Post Ignition Locks, and Spare Tire Key Locking Bands or Clamps. Houdaille-Hershey Corporation, Detroit, Mich.
Filed Sept. 25, 1948, Serial No. 565,875. Published Dec. 11, 1951. Class 25.

555,226. Food Products—Namely, Canned Tuna Fish, Canned Vegetables, Canned Fruit, Canned Tomato Juice, Canned Soups, and Canned Tomato Sauce. Hershel California Fruit Products Co., San Jose, Calif.
Filed Sept. 27, 1948, Serial No. 565,929. Published Dec. 11, 1951. Class 46.

555,227. Thumb Tacks, Upholstery Nails, Furniture Nails, Ornamental Tacks and Nails, and Furniture Glides. Huebel Bros., Inc., San Francisco, Calif.
Filed Feb. 10, 1948, Serial No. 565,987. Published Dec. 11, 1951. Class 13.

555,228. Canned and Bottled Comestibles—Namely, Mustard, Mayonnaise, Etc. Custer Rogers, doing business as Rogers Food Products, Lawrence, Mass.
Filed Sept. 28, 1948, Serial No. 566,049. Published Dec. 11, 1951. Class 46.

555,229. Clamping Structures and Elements, Including Fastening Elements Such as Nuts and Bolts, for Providing Various Forms of Pipe Fittings. Delta-Star Electric Company, Chicago, Ill.
Filed Oct. 2, 1948, Serial No. 566,327. Published Dec. 11, 1951. Class 13.

555,230. Flashing Structures, Such as Are Used in Walls or Other Parts of Buildings, Formed of Cotton Fabric Saturated and Coated With a Bituminous Composition. Wasco Flashing Co., Cambridge, Mass.
Filed Oct. 8, 1948, Serial No. 566,733. Published Nov. 6, 1951. Class 1.

555,231. Steel Products—Namely, Concrete Reinforcing Bars, Concrete Reinforcing Wire Mesh, Welded Stirrups, Spirals, Concrete Joint Dowel Assemblies, Center Joints and Recess Joints (for Road Construction), Steel Contraction Joints, Furring Channels, and Steel Joists. Laclede Steel Company, St. Louis, Mo.
Filed Nov. 6, 1948, Serial No. 568,311. Published Nov. 13, 1951. Class 12.

555,232. Shoes Made Principally of Leather for Men, Boys, Girls, and Infants. Albert H. Weinbrenner Co., Milwaukee, Wis.
Filed Nov. 19, 1948, Serial No. 569,113. Published Nov. 27, 1951. Class 39.

555,233. Spiral Nails. Eastern States Farmers' Exchange, West Springfield, Mass.
Filed Nov. 24, 1948, Serial No. 569,362. Published Dec. 11, 1951. Class 13.

555,234. Electrical Portable Floor Machines. Holt Manufacturing Company, Oakland, Calif.
Filed Dec. 8, 1948, Serial No. 570,203. Published Nov. 20, 1951. Class 21.

555,235. Horse Feed, Poultry Scratch Grains, and Poultry Egg Mash. Allied Mills, Inc., Chicago, Ill.
Filed Nov. 18, 1948, Serial No. 571,390. CONCURRENT USE. Published Dec. 4, 1951. Class 46.

555,236. Spackling Compound To Be Mixed With Water to Form a Mortar and Applied With a Case Knife or Trowel to Fill Small Cracks and to Level the Surface of Plaster, Wood or Metal. Rutland Fire Clay Company, Rutland, Vt.
Filed Jan. 5, 1949, Serial No. 571,664. Published Nov. 13, 1951. Class 12.

555,237. Liquid Aromatic Chemical Compositions for Use in the Industrial Arts to Destroy, Mask, or Modify Foul or Unpleasant Odors in Such Products as Solvents, Paints, Polishes, Textile Chemicals, Detergents, and Plastics. Fritzsche Brothers, Inc., New York, N. Y.
Filed Jan. 11, 1949, Serial No. 571,961. Published Nov. 6, 1951. Class 6.

555,238. Capacity Operated Burglar and Fire Alarm Systems of the Electrical Audible Type, Etc. El-Tronics, Inc., Philadelphia, Pa.
Filed Jan. 27, 1949, Serial No. 572,895. Published Nov. 27, 1951. Class 21.

555,239. Portable Crib Frames for Attachment to Beds. Alexander Berkov, doing business under the fictitious firm name and style of Sleepy-Tot, North Hollywood, Calif.
Filed Jan. 28, 1949, Serial No. 572,942. Published Dec. 4, 1951. Class 32.

555,240. Living Room, Dining Room, and Bedroom Furniture Consisting of Chairs, Tables, Sofas, Buffets, Beds, Dressers, and Chests. Barker Bros. Corporation, Los Angeles, Calif.
Filed Feb. 7, 1949, Serial No. 573,401. Published Dec. 4, 1951. Class 32.

555,241. Nylon Yarns. Pandora Knitwear, Inc., New York, N. Y.
Filed Feb. 12, 1949, Serial No. 573,786. Published Sept. 19, 1950. Class 43.

555,242. Venetian Blinds. Darol Company, also known in the trade as Darol Co., Dayton, Ohio.
Filed Feb. 24, 1949, Serial No. 574,415. Published Nov. 20, 1951. Class 32.

555,243. Sofa Beds and Studio Couches. Massachusetts Mattress Company, Boston, Mass.
Filed Mar. 3, 1949, Serial No. 574,848. Published Dec. 11, 1951. Class 32.

555,244. Bedroom Furniture, Consisting of Bedroom Pieces—Namely, Double Dressers, Bed, Night Tables, and Chests, in Regency, French Provincial, and English Styling. Modern Wood Products Company, Inc., New York and Brooklyn, N. Y.
Filed Mar. 21, 1949, Serial No. 575,772. Published Oct. 31, 1950. Class 32.

555,245. Fluorescent Lighting Fixture. The Edwin F. Guth Company, St. Louis, Mo.
Filed Mar. 25, 1949, Serial No. 576,055. Published Nov. 7, 1950. Class 21.

555,246. Men's Hats. The Frank H. Lee Company, Danbury, Conn., and elsewhere.
Filed Mar. 30, 1949, Serial No. 576,342. Published Oct. 23, 1951. Class 39.

555,247. Chains of Base Metal, Cross Chains, and Tire Chains. The McKay Company, Pittsburgh, Pa.
Filed Apr. 6, 1949, Serial No. 576,708. Published Dec. 11, 1951. Class 13.

555,248. Canned Fish. Haas, Baruch & Co., Los Angeles and Vernon, Calif.
Filed Apr. 18, 1949, Serial No. 577,325. Published Nov. 27, 1951. Class 46.

555,249. Wheat Flour for Human Consumption. The Quaker Oats Company, Chicago, Ill.
Filed Apr. 25, 1949, Serial No. 577,685. Published Nov. 27, 1951. Class 46.

555,250. Buttons Not Made of Precious Metal or Precious Stones. B. Schwanda & Sons, New York, N. Y.
Filed Apr. 28, 1949, Serial No. 577,910. Published Dec. 11, 1951. Class 40.

555,251. Body Lotions. Volay of Paris Company, Greenwich, Conn.
Filed May 3, 1949, Serial No. 578,178. Published Nov. 6, 1951. Class 51.

555,252. Detergents (Cleaning and Water Softening), Said Detergents Compounds Being Used Primarily for Cleaning Purposes, for Use In Laundries and Having Incidental Water Softening Properties. Finger Lakes Chemical Company, Inc., Ithaca and Etna, N. Y.
Filed May 25, 1949, Serial No. 579,492. Published Nov. 27, 1951. Class 52.

555,253. CONSOLIDATED CERTIFICATE. Automatic Products Company, Milwaukee, Wis., now by change of name A P Controls Corporation, a corporation of Wisconsin.
Manually Operated Combined Pilot and Main Burner Gas Valves With Built-in Filter and Pressure Regulator. Filed May 29, 1950, Serial No. 597,562. Published May 29, 1951. Class 34.
Thermostatically Controlled Combined Pilot and Main Burner Gas Valves With Built-in Filter and Pressure Regulator. Filed May 27, 1949, Serial No. 579,577. Published Aug. 7, 1951. Class 26.

555,254. Skin Cream and Lotion. Thomas F. Hogan, doing business as Francines Laboratories, South St. Paul, Minn.
Filed May 27, 1949, Serial No. 579,597. Published Nov. 6, 1951. Class 51.

555,255. Lemonades, Mineral and Aerated Water, Cocoa- and Cola-Flavored Maltless Soft Drinks. N. V. Vereenigde Limonadefabrieken, The Hague, Netherlands.
Filed June 18, 1949, Serial No. 580,736. Published Oct. 16, 1951. Class 45.

555,256. Fruit Essences for Flavoring and Odorifying Foodstuffs. N. V. Polak & Schwarz's Essencefabrieken, Zaandam, Netherlands.
Filed June 24, 1949, Serial No. 581,004. Published Nov. 13, 1951. Class 46.

555,257. Fruit Essences for Flavoring and Odorifying Foodstuffs. N. V. Polak & Schwarz's Essencefabrieken, Zaandam, Netherlands.
Filed June 24, 1949, Serial No. 581,006. Published Nov. 13, 1951. Class 46.

555,258. Toy Sewing Kits and Games—Namely, Knitting, Embroidering, and Similar Educational Needlework Pastimes for Children. Harson Products Company, New York, N. Y.
Filed June 25, 1949, Serial No. 581,065. Published Dec. 4, 1951. Class 22.

555,259. Cushioned Glides Used on Furniture, Electrical Appliances, and the Like To Prevent the Marring of Polished Surfaces. T. R. Brawley Felt Co. Inc., Brooklyn, N. Y.
Filed July 1, 1949, Serial No. 581,401. Published Dec. 11, 1951. Class 13.

555,260. Women's Dresses, Blouses, Peasant Costumes, Sandals, and Petticoats, and Men's Outer Shirts. Irving N. Donnin, doing business as El Encanto, Incorporated, Miami Beach, Fla.
Filed July 7, 1949, Serial No. 581,587. Published Feb. 21, 1950. Class 39.

555,261. Wallboard. Robert Gair Company, Inc., New York, N. Y.
Filed July 20, 1949, Serial No. 582,223. Published Nov. 13, 1951. Class 12.

555,262. Portable Electrically Operated Vegetable Peelers. Veg-A-Peel Co., Algonac, Mich.
Filed July 22, 1949, Serial No. 582,366. Published Nov. 27, 1951. Class 21.

555,263. Perfumes. Lucien Lelong, Inc., Chicago, Ill.
Filed July 26, 1949, Serial No. 582,533. Published Nov. 6, 1951. Class 51.

555,264. Hairwaving Apparatus—Namely, Clamps, Heating Sleeves, Heating Containers for the Sleeves, and Insulating Pads. Jean Leclabart, Paris, France.
Filed Aug. 3, 1949, Serial No. 582,919. Published Nov. 13, 1951. Class 44.

555,265. Battery Acids and Sulphuric Acids. The Smith Agricultural Chemical Company, Columbus, Ohio.
Filed Aug. 13, 1949, Serial No. 583,451. Published Nov. 13, 1951. Class 6.

555,266. Cuffs, a Component of a Sphygmomanometer (Blood-Pressure Apparatus). W. A. Baum Co., Inc., New York, N. Y.
Filed Sept. 17, 1949, Serial No. 584,959. Published Nov. 6, 1951. Class 44.

555,267. Men's Suits. Society Brand Clothes, Inc., Chicago, Ill.
Filed Sept. 20, 1949, Serial No. 585,083. Published Nov. 27, 1951. Class 39.

555,268. Cold Hair Waving Solutions. Helene Curtis Industries, Inc., Chicago, Ill.
Filed Aug. 17, 1949, Serial No. 585,486. Published Nov. 13, 1951. Class 51.

555,269. Mats, Blocks, Balls, Sheets, Etc. Armstrong Cork Company, Lancaster, Pa.
Filed Oct. 1, 1949, Serial No. 585,627. Published Nov. 13, 1951. Class 1.

555,270. Detergent for General Industrial Use and Particularly in the Laundry, Textile, and Leather Industries. Nopco Chemical Company, Harrison, N. J.
Filed Oct. 1, 1949, Serial No. 585,677. Published Nov. 27, 1951. Class 52.

555,271. Multiple-Image Assemblies Embodying a Plurality of Mirrors To Enhance the Optical Display of Merchandise. John D. Sweeney, doing business under the name and style of The Opticon Co., St. Louis, Mo.
Filed Oct. 19, 1949, Serial No. 586,570. Published Nov. 6, 1951. Class 32.

555,272. Electrical Apparatus—Namely, Welding Machines, Welding Heads, Arc Torches, Electric Motors, Generators, Converters, Transformers, and Control Devices for Electric Arc Welding, and Parts Thereof. The Lincoln Electric Company, Cleveland, Ohio.
Filed Nov. 2, 1949, Serial No. 587,197. Published Dec. 11, 1951. Class 21.

555,273. Non-Measuring Pumps of the Following Kinds: Rotary Air Pumps, Etc. The Kraissl Company, Inc., Hackensack, N. J.
Filed Nov. 16, 1949, Serial No. 587,875. Published Dec. 4, 1951. Class 23.

555,274. Food Products—Namely, Potato Chips, French Dressing, Mayonnaise, Peanut Butter, and Nut Meats. Scudder Food Products, Inc., Monterey Park, Calif.
Filed Dec. 2, 1949, Serial No. 588,712. Published Oct. 30, 1951. Class 46.

555,275. Tank Like Separator With Necessary Regulators, Gauges, Outlets and Inlets, Designed for the Gravity Separation of Water From Gas at Natural Gas Wells. The Parkersburg Rig & Reel Company, Parkersburg, W. Va., and Houston, Tex.
Filed Dec. 8, 1949, Serial No. 589,040. Published Oct. 16, 1951. Class 23.

555,276. Bedroom Furniture Comprising Beds, Dressers, Cribs, Etc. Sachs Quality Stores, Inc., New York, N. Y.
Filed Dec. 8, 1949, Serial No. 589,043. Published Nov. 20, 1951. Class 32.

555,277. Fertilizers. Vitalerth Products Limited, Vancouver, British Columbia, Canada.
Filed Dec. 9, 1949, Serial No. 589,129. Published Dec. 4, 1951. Class 10.

555,278. Ladies' Hosiery. Lambert Hosiery Mills, Inc., Lambertville, N. J.
Filed Dec. 20, 1949, Serial No. 589,661. Published Nov. 20, 1951. Class 39.

555,279. Draft Arm for Dispensing Beverages in Pre-Determined Amounts, Equipped With an Automatic Counter for Indicating the Amount of Beverage Dispensed. Mechanical Research Ltd., Victoria, British Columbia, Canada.
Filed Dec. 20, 1949, Serial No. 589,667. Published Dec. 4, 1951. Class 26.

555,280. Chemicals and Preparations Thereof Used in Processes for Developing Photographic Images. General Aniline & Film Corporation, New York and Binghamton, N. Y.
Filed Dec. 21, 1949, Serial No. 589,716. Published Nov. 13, 1951. Class 6.

555,281. Chemicals and Preparations Thereof Used in Processes for Developing Photographic Materials. General Aniline & Film Corporation, New York and Binghamton, N. Y.
Filed Dec. 21, 1949, Serial No. 589,719. Published Nov. 13, 1951. Class 6.

555,282. Canned and Bottled Foods—Namely, Norwegian Brisling Sardines, Etc. R. H. Macy & Co., Inc., New York, N. Y.
Filed Jan. 9, 1950, Serial No. 590,554. Published Nov. 13, 1951. Class 46.

555,283. Cheese. Brantford Produce Company Limited, Brantford, Ontario, Canada.
Filed Jan. 14, 1950, Serial No. 590,881. Published Dec. 4, 1951. Class 46.

555,284. Lipstick, Face Powder, Solid Cologne, and Brilliantine. Consolidated Cosmetics, Chicago, Ill.
Filed Jan. 18, 1950, Serial No. 591,019. Published Nov. 6, 1951. Class 51.

555,285. Document, Pamphlet, and Sheet Music File Boxes. National Metal Edge Box Company, Philadelphia, Pa.
Filed Jan. 18, 1950, Serial No. 591,043. Published Nov. 20, 1951. Class 32.

555,286. Candy. Bayou Candy Co., Inc., New Orleans, La.
Filed Jan. 19, 1950, Serial No. 591,066. Published Dec. 11, 1951. Class 46.

555,287. Candy. Bayou Candy Co., Inc., New Orleans, La.
Filed Jan. 19, 1950, Serial No. 591,067. Published Dec. 11, 1951. Class 46.

555,288. Dog Food. Household Products Company, Evanston, Ill.
Filed Jan. 19, 1950, Serial No. 591,085. Published Dec. 4, 1951. Class 46.

555,289. Candy. Rose's 5, 10, 25¢ Stores, Inc., Henderson, N. C., and Norfolk, Va.
Filed Jan. 19, 1950, Serial No. 591,107. Published Nov. 6, 1951. Class 46.

555,290. Fishing Tackle—Namely, Fishing Rods, Poles, Reels, Etc. C. H. Ellis & Co., Lewes, Del.
Filed Jan. 25, 1950, Serial No. 591,409. Published Dec. 4, 1951. Class 22.

555,291. Servomechanism Devices and Electrical Devices—Namely, Modulators, Etc. Servomechanisms, Inc., Mineola, N. Y.
Filed Feb. 2, 1950, Serial No. 591,869. Published Nov. 27, 1951. Class 21.

555,292. Soap and Synthetic Organic Detergent for General Washing and Household Cleaning. Fels & Company, Philadelphia, Pa.
Filed Feb. 3, 1950, Serial No. 591,921. Published Nov. 13, 1951. Class 52.

555,293. Food Product Comprising Thin Pieces of Cooked and Dried Dough, Suitable for Eating After Being Expanded by Immersion in Hot Oil, and Sold Both in the Expanded and the Unexpanded Forms. Eva M. Morrow, Elgin, Ill.
Filed Feb. 7, 1950, Serial No. 592,091. Published Dec. 11, 1951. Class 46.

555,294. Meatless Spaghetti Sauce. Joseph Canella, trading as Canella Food Products Co., Omaha, Nebr.
Filed Feb. 14, 1950, Serial No. 592,419. Published Nov. 27, 1951. Class 46.

555,295. Typewriting Machines. International Business Machines Corporation, New York, N. Y.
Filed Feb. 14, 1950, Serial No. 592,427. Published July 3, 1951. Class 23.

555,296. Apparatus for Testing, Analyzing, and Calibrating Diesel Fuel Pumps, Etc. Automotive Products, Inc., Portland, Oreg.
Filed Feb. 9, 1950, Serial No. 593,042. Published Feb. 27, 1951. Class 26.

555,297. Jelly Type Soap Product Used for Cleaning Floors, Linoleum, Woodwork, Painted Surfaces, and for Other General Household Cleaning Purposes. Jewel Tea Co., Inc., Barrington, Ill.
Filed Feb. 27, 1950, Serial No. 593,121. Published Nov. 27, 1951. Class 52.

555,298. Wire Fence. Keystone Steel and Wire Company, Peoria, Ill.
Filed Dec. 31, 1949, Serial No. 593,319. Published Dec. 11, 1951. Class 13.

555,299. Cameras. Ercona Camera Corporation, New York, N. Y.
Filed Mar. 4, 1950, Serial No. 593,402. Published Nov. 13, 1951. Class 26.

555,300. Soaps and Organic Detergents for General Washing and Household Cleaning. Fels & Company, Philadelphia, Pa.
Filed Mar. 4, 1950, Serial No. 593,405. Published Nov. 13, 1951. Class 52.

555,301. Candy. Candy-Lane, Inc., Los Angeles, Calif.
Filed Mar. 16, 1950, Serial No. 594,021. Published Nov. 6, 1951. Class 46.

555,302. Wheat Flour. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn.
Filed Mar. 18, 1950, Serial No. 594,216. Published Nov. 13, 1951. Class 46.

555,303. Work Pants, Work Shirts, and One-Piece Work Suits for Men and Boys. Pool Manufacturing Company, Sherman, Tex.
Filed Mar. 21, 1950, Serial No. 594,332. Published Dec. 11, 1951. Class 39.

555,304. Steel Facing or Armor for Concrete Curbing. Charles C. Burt, doing business as Burt Equipment Company, East Orange, N. J.
Filed Mar. 23, 1950, Serial No. 594,434. Published Nov. 13, 1951. Class 12.

555,305. Draperies Made of Split Bamboo. M. G. Williams, doing business as The Calhawaii Company, Pasadena, Calif.
Filed Mar. 25, 1950, Serial No. 594,677. Published Dec. 4, 1951. Class 42.

555,306. Lacquers. Dupli-Color Products Company, Inc., Chicago, Ill.
Filed Apr. 7, 1950, Serial No. 595,367. Published Nov. 27, 1951. Class 16.

555,307. Ready-Mixed Paints, Paste Paints, Paint Enamels, Varnishes, Varnish Stains, and Oil Stains. Atlantic Varnish and Paint Company, Incorporated, Richmond, Va.
Filed Apr. 12, 1950, Serial No. 595,585. Published Nov. 27, 1951. Class 16.

555,308. Articles of Clothing for Men, Women, and Children, Etc. Bourne & Hollingsworth Limited, London, England.
Filed Apr. 13, 1950, Serial No. 595,651. Published Nov. 20, 1951. Class 39.

555,309. Building Siding. Central Building Products Company, Milwaukee, Wis.
Filed Apr. 13, 1950, Serial No. 595,654. Published Nov. 13, 1951. Class 12.

555,310. Hair Tinting and Coloring Preparations. Clairol Incorporated, Stamford, Conn.
Filed Apr. 15, 1950, Serial No. 595,760. Published Nov. 6, 1951. Class 51.

555,311. Phenolic Plastic Resin. Rezolin, Inc., Los Angeles, Calif.
Filed Apr. 18, 1950, Serial No. 595,916. Published Dec. 4, 1951. Class 6.

555,312. Thermistor and Thermostatic Cut-Out Controls for Battery Chargers. Fox Products Company, Philadelphia, Pa.
Filed Apr. 25, 1950, Serial No. 596,274. Published Dec. 4, 1951. Class 26.

555,313. Hard Surface Floor Covering of the Nature of Linoleum. Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa.
Filed Apr. 26, 1950, Serial No. 596,366. Published Dec. 4, 1951. Class 20.

555,314. Canned Vegetables—Namely, Tomatoes, Tomato Puree, Pimientos, Green Beans, Corn, Peas; Canned Fruits — Namely, Peaches, Apple Sauce; Canned Fish — Namely, Shrimp, Tuna; Canned Juices—Namely, Tangerine Juice, Orange Juice, Tomato Juice. Parkview Markets, Inc., Cincinnati, Ohio.
Filed Apr. 5, 1950, Serial No. 596,376. Published Dec. 11, 1951. Class 46.

555,315. Hard Candies, Toffies, and Caramels Sold in Combination. E. J. Brach & Sons, Chicago, Ill.
Filed Apr. 29, 1950, Serial No. 596,555. Published Dec. 11, 1951. Class 46.

555,316. Apparatus for Reproducing Motion Picture Films and Sounds Simultaneously and for Film Editing Machines and Parts Thereof. Photographic Electrical Company, Limited, London, England.
Filed May 1, 1950, Serial No. 596,676. Published Dec. 4, 1951. Class 26.

555,317. Soap. Lucky Strike Perfumeries Corporation, New York, N. Y.
Filed May 15, 1950, Serial No. 597,449. Published Dec. 4, 1951. Class 52.

555,318. Machine and Wood Screws and Machine Screw Nuts. Rockford Screw Products Co., Rockford, Ill.
Filed May 19, 1950, Serial No. 597,785. Published Dec. 11, 1951. Class 13.

555,319. Water Color Sets Designed for Children's Use, and Consisting of a Plurality of Differently Colored Semi-Moist Water Color Masses Arranged in a Row in Spaced Wells in a Relatively Thin, Hinged-Cover Metal Box. United Crayon Co. Inc., Brooklyn, N. Y.
Filed May 19, 1950, Serial No. 597,793. Published Dec. 4, 1951. Class 22.

555,320. Ladies' and Children's Handbags. Julius Resnick, Inc., New York, N. Y.
Filed May 20, 1950, Serial No. 597,843. Published Nov. 27, 1951. Class 3.

555,321. Hair Tonic. Nellie V. Taylor, Philadelphia, Pa.
Filed June 1, 1950, Serial No. 598,441. Published Nov. 6, 1951. Class 51.

555,322. Medicine Wall Chests. Kiddie Kabinette, Inc., New York, N. Y.
Filed June 5, 1950, Serial No. 598,587. Published Nov. 20, 1951. Class 32.

555,323. Protective Covers—Namely, Athletic Equipment Covers, Such as Fabric and/or Plastic Covers for Tennis Rackets, Squash Rackets, and Badminton Rackets. Charles F. Clark, Incorporated, Chicago, Ill.
Filed June 6, 1950, Serial No. 598,637. Published Dec. 4, 1951. Class 22.

555,324. Synthetic Resins Sold in the Form of Sheets, Rods, Tubes, and Other Such Shapes. Imperial Chemical Industries Limited, London and Millbank, London, England.
Filed June 6, 1950, Serial No. 598,653. Published Nov. 13, 1951. Class 1.

555,325. Game Devices—Namely, a Game Comprising a Plurality of Playing Pieces Adapted To Be Assembled and Disassembled. America Solimene, Brooklyn, N. Y.
Filed June 14, 1950, Serial No. 599,128. Published Dec. 4, 1951. Class 22.

555,326. Ladies', Men's, and Children's Sweaters, Ladies' and Men's Coats and Sport Jackets, Ladies' and Men's Mufflers, Ladies' and Men's Lounging Robes, Ladies' and Men's Under Shirts and Outer Shirts, Ladies' Dresses and Hosiery, Ladies', Men's, and Children's Overcoats, Gaberdines, Underwear, and Vests and Ladies' Shawls. Bernhard Altmann, New York, N. Y.
Filed June 17, 1950, Serial No. 599,301. Published Nov. 6, 1951. Class 39.

555,327. Baby's Sleeping Garments. Walter J. Munro, New York, N. Y.
Filed June 20, 1950, Serial No. 599,447. Published Nov. 20, 1951. Class 39.

555,328. Hydraulic Power Take-Off Unit for Use on Tractors. H-S Engine Company, Inc., Billings, Mont.
Filed June 21, 1950, Serial No. 599,511. Published Oct. 16, 1951. Class 23.

555,329. Sofas, Chairs, Benches, Chaise Lounges, Etc. The Nahon Company, New York, N. Y.
Filed June 27, 1950, Serial No. 599,839. Published Dec. 4, 1951. Class 32.

555,330. Face Cream. Richard Hudnut, New York, N. Y.
Filed June 28, 1950, Serial No. 599,874. Published Nov. 6, 1951. Class 51.

555,331. Negligees, Nightgowns, Evening Gowns, and Slips. Parfums Evyan Inc., New York, N. Y.
Filed June 29, 1950, Serial No. 599,968. Published Dec. 11, 1951. Class 39.

555,332. Posts for Supporting Floors and the Like. The Sawhill Manufacturing Company, Wheatland, Pa.
Filed June 29, 1950, Serial No. 599,981. Published Nov. 6, 1951. Class 12.

555,333. Dual Purpose Sitting, Sleeping Type Couches. Burton-Dixie Corporation, Chicago, Ill.
Filed June 30, 1950, Serial No. 600,021. Published Dec. 4, 1951. Class 32.

555,334. Leather Breast Pocket Wallets and Billfolds, Etc. T. J. & J. Smith Limited, London, England.
Filed June 30, 1950, Serial No. 600,088. Published Nov. 27, 1951. Class 3.

555,335. Card Game Including a Deck of Cards, Rules, and Score Pads, all Sold as a Unit. Owens Krass, Inc., Rochester, N. Y.
Filed July 1, 1950, Serial No. 600,134. Published Dec. 4, 1951. Class 22.

555,336. Knives, Carving Sets, and Forks. Hamilton Trading Company, Inc., New York, N. Y., assignor to Hamilton Import Corporation, New York, N. Y., a corporation of New York.
Filed July 6, 1950, Serial No. 600,264. Published Dec. 4, 1951. Class 23.

555,337. Pull or Handle for Manipulating Window Shades. Mrs. Mabel E. Webster, Minneapolis, Minn.
Filed July 10, 1950, Serial No. 600,459. Published Nov. 20, 1951. Class 32.

555,338. Mattresses. Shifman Bros., Newark, N. J.
Filed July 19, 1950, Serial No. 600,917. Published Dec. 4, 1951. Class 32.

555,339. Women's and Misses' Fur Coats. Spear & Picardi, New York, N. Y.
Filed July 21, 1950, Serial No. 601,079. Published Nov. 20, 1951. Class 39.

555,340. Threading Taps. Sossner Tap and Tool Corporation, New York, N. Y.
Filed July 26, 1950, Serial No. 601,283. Published Nov. 6, 1951. Class 23.

555,341. Rail Switches, Switch Stands, Switch Point Locks, and Rail Lubricators of the Railroad Rail and Wheel Flange Lubricating Type. American Brake Shoe Company, New York, N. Y.
Filed Aug. 1, 1950, Serial No. 601,529. Published Nov. 27, 1951. Class 23.

555,342. Porcelain Enameled Thin Metallic Sheets in Flat and Coil Strip Form for Panels, Laminated Panels, and Wall Covering. Baltimore Porcelain Steel Corporation, Baltimore, Md.
Filed Aug. 2, 1950, Serial No. 601,592. Published Nov. 6, 1951. Class 12.

555,343. Pipes and Pipe Fittings Made of Metal for Oil Lines and Gas and Water Mains; Etc. The Victaulic Company Limited, London, England.
Priority under Sec. 44(d). British Registrations Nos. 689,775, 689,776, and 689,777, filed June 13, 1950.
Filed Aug. 4, 1950, Serial No. 601,764. Published Dec. 4, 1951. Class 13.

555,344. Tube Expanding Tools (Without a Cutting Edge). The Victaulic Company Limited, London, England.
Filed Aug. 4, 1950, Serial No. 601,765. Published Nov. 6, 1951. Class 23.

555,345. Complete Power Transmission Units for Motor Vehicles and Parts Thereof, Including Transmission Housings, Shafts, Universal Joints, Gears, Gear Shift Couplings, and Hand Operated Gear Shift Selector Levers. General Motors Corporation, Detroit, Mich.
Filed Aug. 5, 1950, Serial No. 601,784. Published Nov. 27, 1951. Class 23.

555,346. Work Gloves, Made From a Combination of Leather and Fabric. Tennessee Glove Company, Tullahoma, Tenn.
Filed July 17, 1950, Serial No. 601,868. Published Apr. 10, 1951. Class 39.

555,347. Manually Operated Lawn Sprayers Used in Applying Liquid Insecticides and Liquid Fertilizers. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed Aug. 8, 1950, Serial No. 601,916. Published Oct. 16, 1951. Class 23.

555,348. Portable Photographic Lamp Holders in the Nature of Multiple Electric Outlets. Powell Products, Inc., Chicago, Ill.
Filed Aug. 12, 1950, Serial No. 602,123. Published Dec. 4, 1951. Class 21.

555,349. Dolls. Jolly Toys, Inc., New York, N. Y.
Filed Aug. 15, 1950, Serial No. 602,202. Published Dec. 4, 1951. Class 22.

555,350. Vehicle Directional Signalling Devices, Including Indicator Lamps and Switches for Activating the Same. Signal-Stat Corporation, Brooklyn, N. Y.
Filed Aug. 29, 1950, Serial No. 602,915. Published Nov. 27, 1951. Class 21.

555,351. Flavoring for Foods, Consisting of a Blend of: Vanilla, Aldehydes, Lactones, Oil of Bitter Almonds, Propylene Glycol, Water, and Sugar. Romelle Fay, doing business as Genius Foods Company, Pasadena, Calif.
Filed Sept. 5, 1950, Serial No. 603,151. Published Nov. 13, 1951. Class 46.

555,352. Electrically Operated Hedge Clipper and Lawn Edger. Neil C. Norton, doing business under the firm name and style of Apex Mfg. Laboratories, South Pasadena, Calif.
Filed Sept. 11, 1950, Serial No. 603,416. Published Oct. 16, 1951. Class 23.

555,353. Hand Opener for Removing Caps From Jars, Bottles, and Cans. Edmund B. White, doing business as Up-N-Off Mfg. Co., Quincy, Mass.
Filed Sept. 13, 1950, Serial No. 603,509. Published Nov. 20, 1951. Class 23.

555,354. Animal Feeds—Namely, Horse and Mule Feed, Hog Feed, Dairy Feed; and Chicken Feeds—Namely, Broiler Mash, Laying Mash, Grower Mash, Breeder Mash, Starter Mash, and Chick Scratch Feed. Cherokee Mills, Inc., Nashville, Tenn.
Filed Sept. 18, 1950, Serial No. 603,666. CONCURRENT USE. Published Dec. 4, 1951. Class 46.

555,355. Dried Solubles Derived From the Residue of Cereal Grains That Have Been Used in the Distilling of Spirits, Which Solubles Are Used as an Ingredient of Cattle, Dog, Hog, Poultry, Sheep, and Other Livestock Feeds. National Distillers Products Corporation, New York, N. Y.
Filed Sept. 20, 1950, Serial No. 603,807. Published Dec. 11, 1951. Class 46.

555,356. Turkish Towels, Wash Cloths, and Bath Mats. Mooresville Mills, Inc., Mooresville, N. C.
Filed Sept. 26, 1950, Serial No. 604,016. Published Dec. 4, 1951. Class 42.

555,357. Men's and Boys' Outer Shirts, Collars, and Cuffs. Piedmont Shirt Company, Greenville, S. C.
Filed Oct. 3, 1950, Serial No. 604,385. Published Nov. 27, 1951. Class 39.

555,358. Sport Shirts for Men and Young Men. TruVal Manufacturers, Inc., New York, N. Y.
Filed Oct. 3, 1950, Serial No. 604,404. Published Sept. 18, 1951. Class 39.

555,359. Internal Combustion Engines, Agricultural Tractors, Planting Machines, Threshing Machines, Excavating Machines, and Agricultural Tools and Implements—Namely, Harrows, Reapers, Mowers, Plows, and Combines. Fiat Società per Azioni, Turin, Italy.
Filed Oct. 10, 1950, Serial No. 604,692. Published Nov. 20, 1951. Class 23.

555,360. Men's, Women's, and Children's Underwear. Walter W. Moyer Company, Ephrata, Pa.
Filed Oct. 12, 1950, Serial No. 604,791. Published Nov. 20, 1951. Class 39.

555,361. Men's, Women's, and Children's Underwear. Walter W. Moyer Company, Ephrata, Pa.
Filed Oct. 12, 1950, Serial No. 604,795. Published Nov. 20, 1951. Class 39.

555,362. Portable and Convertible Dressing Cases Used as Containers for Personal Articles. Betrix Company, Los Angeles, Calif.
Filed Oct. 13, 1950, Serial No. 604,833. Published Nov. 27, 1951. Class 3.

555,363. Lime in Powdered Form for Agricultural Purposes. The Ohio Hydrate & Supply Company, Woodville, Ohio.
Filed Oct. 16, 1950, Serial No. 604,988. Published Dec. 4, 1951. Class 10.

555,364. Men's and Boys' Suits of Clothes. A–1 Manufacturing Co., Los Angeles, Calif.
Filed Oct. 17, 1950, Serial No. 605,004. Published Nov. 27, 1951. Class 39.

555,365. Venetian Blinds. Wood Products Manufacturing Co., Rocky Mount, N. C.
Filed Oct. 18, 1950, Serial No. 605,128. Published Dec. 4, 1951. Class 32.

555,366. Venetian Blinds. Wood Products Manufacturing Co., Rocky Mount, N. C.
Filed Oct. 18, 1950, Serial No. 605,129. Published Dec. 4, 1951. Class 32.

555,367. Processed Leather and Sheet Leather for the Manufacture of Shoes and Leather Bags. Genuine Leather Processing Corp., New York, N. Y.
Filed Oct. 24, 1950, Serial No. 605,358. Published July 17, 1951. Class 1.

555,368. Dry Cleaning Detergent in Concentrated Form. Murphy Sales Company, Atlanta, Ga.
Filed Oct. 26, 1950, Serial No. 605,524. Published Nov. 27, 1951. Class 52.

555,369. Men's and Boys' Outer Shirts. Henry I. Siegel Co. Inc., New York, N. Y.
Filed Oct. 26, 1950, Serial No. 605,535. Published Nov. 20, 1951. Class 39.

555,370. Radio Receiving Sets, Television Receiving Sets, Electric Fans, and Electric Hand Irons. Charles A. Navien, New York, N. Y.
Filed Oct. 31, 1950, Serial No. 605,669. Published Nov. 27, 1951. Class 21.

555,371. Tools—Namely, Basin Wrenches, Tube Cutters, Spud Wrenches, Compass Saws, Tube Flaring Tools, Faucet Reseating Sets, and Utility Pliers. Chicago Specialty Manufacturing Co., Chicago, Ill.
Filed Nov. 3, 1950, Serial No. 605,844. Published Oct. 16, 1951. Class 23.

555,372. Pork Roll Put Up in Fabric Bags for Distribution to the Consumer. The Taylor Provision Company, Trenton, N. J.
Filed Nov. 3, 1950, Serial No. 605,881. Published Nov. 13, 1951. Class 46.

555,373. Collars. Brooks Brothers, New York, N. Y.
Filed Nov. 7, 1950, Serial No. 605,988. Published Nov. 20, 1951. Class 39.

555,374. Metal Pouring Kettles and Metal Pouring Pots for Melting and Pouring Tar, Asphalt and Road Surfacing Material and Sprayer Nozzles for Spraying Apparatus. Tarrant Manufacturing Company, Saratoga Springs, N. Y.
Filed Nov. 7, 1950, Serial No. 606,062. Published Dec. 11, 1951. Class 13.

555,375. Hair Curlers of Non-Electric Type. Tip-Top Products Company, Omaha, Nebr.
Filed Nov. 8, 1950, Serial No. 606,091. Published Dec. 11, 1951. Class 40.

555,376. Circulating Pumps and Motorized Valves. Bell & Gossett Company, Morton Grove, Ill.
Filed Nov. 10, 1950, Serial No. 606,204. Published Dec. 11, 1951. Class 23.

555,377. Men's and Young Men's Suits, Coats, Vests, Trousers, Topcoats, and Overcoats. House of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa.
Filed Nov. 13, 1950, Serial No. 606,298. Published Oct. 23, 1951. Class 39.

555,378. Neckties for Men and Scarfs for Women, Girls, and Boys. Arthur Murray Enterprises, Inc., New York, N. Y.
Filed Nov. 17, 1950, Serial No. 606,568. Published Oct. 23, 1951. Class 39.

555,379. High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins. Nopco Chemical Company, Harrison, N. J.
Filed Nov. 22, 1950, Serial No. 606,787. Published Nov. 6, 1951. Class 18.

555,380. Sole Leather Wax Polishes. Nopco Chemical Company, Harrison, N. J.
Filed Nov. 22, 1950, Serial No. 606,790. Published Nov. 27, 1951. Class 4.

555,381. High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins. Nopco Chemical Company, Harrison, N. J.
Filed Nov. 22, 1950, Serial No. 606,799. Published Nov. 6, 1951. Class 18.

555,382. High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins. Nopco Chemical Company, Harrison, N. J.
Filed Nov. 22, 1950, Serial No. 606,800. Published Nov. 6, 1951. Class 18.

555,383. Hose Nozzle. L. R. Nelson Mfg. Co., Inc., Peoria, Ill.
Filed Nov. 24, 1950, Serial No. 606,882. Published Dec. 11, 1951. Class 13.

555,384. Hose Nozzle. L. R. Nelson Mfg. Co., Inc., Peoria, Ill.
Filed Nov. 24, 1950, Serial No. 606,883. Published Dec. 11, 1951. Class 13.

555,385. Hose Nozzle. L. R. Nelson Mfg. Co., Inc., Peoria, Ill.
Filed Nov. 24, 1950, Serial No. 606,884. Published Dec. 11, 1951. Class 13.

555,386. Lawn Sprinkler. L. R. Nelson Mfg. Co., Inc., Peoria, Ill.
Filed Nov. 24, 1950, Serial No. 606,885. Published Dec. 11, 1951. Class 13.

555,387. Lawn Sprinkler. L. R. Nelson Mfg. Co., Inc., Peoria, Ill.
Filed Nov. 24, 1950, Serial No. 606,886. Published Dec. 11, 1951. Class 13.

555,388. Lawn Sprinkler. L. R. Nelson Mfg. Co., Inc., Peoria, Ill.
Filed Nov. 24, 1950, Serial No. 606,887. Published Dec. 11, 1951. Class 13.

555,389. Lawn Sprinkler. L. R. Nelson Mfg. Co., Inc., Peoria, Ill.
Filed Nov. 24, 1950, Serial No. 606,888. Published Dec. 11, 1951. Class 13.

555,390. Lawn Sprinkler. L. R. Nelson Mfg. Co., Inc., Peoria, Ill.
Filed Nov. 24, 1950, Serial No. 606,889. Published Dec. 11, 1951. Class 13.

555,391. Sheets, Pillow Cases, and Blankets. The Stewart Dry Goods Company, Louisville, Ky., assignor to Associated Dry Goods Corporation, Richmond, Va., a corporation of Virginia.
Filed Nov. 24, 1950, Serial No. 606,908. Published Dec. 4, 1951. Class 42.

555,392. Mustard. Bahamian Mustard Co., Inc., New York, N. Y.
Filed Nov. 25, 1950, Serial No. 606,931. Published Nov. 13, 1951. Class 46.

555,393. Ball Point Tooth Comb. Call Bond & Mortgage Company, Sioux City, Iowa.
Filed Nov. 27, 1950, Serial No. 606,969. Published Dec. 11, 1951. Class 40.

555,394. Ultraviolet Lamps for Therapeutic Purposes. Hanovia Chemical and Manufacturing Company, Newark, N. J.
Filed Nov. 28, 1950, Serial No. 607,018. Published Nov. 13, 1951. Class 44.

555,395. Chairs. Murphy-Miller, Inc., Owensboro, Ky.
Filed Nov. 28, 1950, Serial No. 607,035. Published Dec. 11, 1951. Class 32.

555,396. Therapeutic Tablets for Relief From Muscular Aches and Pains. Excelsior Pharmaceutical Distributing Company, Inc., Chicago, Ill.
Filed Nov. 29, 1950, Serial No. 607,075. Published July 17, 1951. Class 18.

555,397. Portable Electric Hand Lanterns. Richberry Electric Co., Chicago, Ill.
Filed Dec. 7, 1950, Serial No. 607,399. Published Dec. 4, 1951. Class 21.

555,398. Ready-Mixed Paints. The Patterson-Sargent Company, Cleveland, Ohio.
Filed Dec. 8, 1950, Serial No. 607,447. Published Nov. 27, 1951. Class 16.

555,399. Lawn Seed Mixtures. Garden State Seed Co., Inc., Newark, N. J.
Filed Dec. 14, 1950, Serial No. 607,668. Published Oct. 30, 1951. Class 1.

555,400. Men's and Boys' Outer Shirts. The Rauh Company, Cincinnati, Ohio.
Filed Dec. 19, 1950, Serial No. 607,868. Published Nov. 27, 1951. Class 39.

555,401. Men's Suits, Top Coats, Sport Coats, Overcoats, Jackets, Sport Jackets, Slacks, Trousers, and Outer Shirts. Harry Rothman, Inc., New York, N. Y.
Filed Dec. 22, 1950, Serial No. 608,019. Published Nov. 20, 1951. Class 39.

555,402. Combination Bottle Opener and Bottle Cap Receiver. Harper J. Ransburg Co., Inc., Indianapolis, Ind.
Filed Dec. 26, 1950, Serial No. 608,082. Published Nov. 27, 1951. Class 23.

555,403. Sashes, Necktles, and Bandeaux. Burt Burton, Beverly Hills, Calif.
Filed Dec. 27, 1950, Serial No. 608,098. Published Nov. 20, 1951. Class 39.

555,404. Cleaning Powder for Water-Closet Bowls and Automobile Radiators. The Hygienic Products Company, Canton, Ohio.
Filed Dec. 30, 1950, Serial No. 608,249. Published Nov. 13, 1951. Class 52.

555,405. Cleaning Powder for Water-Closet Bowls and Automobile Radiators. The Hygienic Products Company, Canton, Ohio.
Filed Dec. 30, 1950, Serial No. 608,250. Published Nov. 13, 1951. Class 52.

555,406. Retractors for Withdrawing Loose Skin From the Face in Minimizing Facial Senescence. Admar Laboratories International, Inc., Chicago, Ill.
Filed Jan. 3, 1951, Serial No. 608,295. Published Nov. 13, 1951. Class 44.

555,407. Tablecloths and Napkins. Ellison & Spring, Inc., New York, N. Y.
Filed Jan. 6, 1951, Serial No. 608,451. Published Dec. 4, 1951. Class 42.

555,408. Fresh Apples. C. H. Nielsen, Paradise, Calif.
Filed Jan. 6, 1951, Serial No. 608,466. Published Nov. 27, 1951. Class 46.

555,409. Ladies' Hats. Harry Camp Millinery Company, San Francisco, Calif.
Filed Jan. 8, 1951, Serial No. 608,491. Published Nov. 27, 1951. Class 39.

555,410. Commercial Fertilizer. Green & Reedy Fertilizer Plant, Franklinton, La.
Filed Dec. 29, 1950, Serial No. 608,585. Published Dec. 4, 1951. Class 10.

555,411. Ear Muffs. Frances A. Fuller, Clayton, Mo.
Filed Jan. 10, 1951, Serial No. 608,601. Published Nov. 20, 1951. Class 39.

555,412. Men's and Boys' Outer Shirts, Collars, and Cuffs. Piedmont Shirt Company, Greenville, S. C.
Filed Jan. 11, 1951, Serial No. 608,671. Published Nov. 20, 1951. Class 39.

555,413. Automatically-Rotating Fluid-Operated Hammer Drills. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y.
Filed Mar. 7, 1951, Serial No. 610,977. Published Nov. 20, 1951. Class 23.

555,414. Air-Feed Hammer Drills With Automatic Steel-Rotating Mechanism. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y.
Filed Mar. 7, 1951, Serial No. 610,978. Published Dec. 11, 1951. Class 23.

555,415. Sprayers for Insecticides and Other Liquids Discharged in Atomized Condition. Gulf Oil Corporation, Pittsburgh, Pa.
Filed Mar. 9, 1951, Serial No. 611,090. Published Nov. 20, 1951. Class 23.

555,416. Scalp and Hair Conditioner. Phyllis C. Varney, Sacramento, Calif.
Filed Mar. 12, 1951, Serial No. 611,207. Published Nov. 6, 1951. Class 51.

555,417. Belts for Personal Wear. Hickok Manufacturing Co. Inc., Rochester, N. Y.
Filed Mar. 13, 1951, Serial No. 611,225. Published Nov. 27, 1951. Class 39.

555,418. Chairs. Midwest Furniture Co., Sheboygan, Wis.
Filed Mar. 13, 1951, Serial No. 611,234. Published Dec. 4, 1951. Class 32.

555,419. Men's and Boys' Clothing—Namely, Sport Shirts, Dress Shirts, Sport Jackets, and Slacks. Washington Manufacturing Company, Nashville, Tenn.
Filed Mar. 14, 1951, Serial No. 611,319. Published Nov. 27, 1951. Class 39.

555,420. Series of Motion Picture Animated Cartoons. Terrytoons, Inc., New Rochelle, N. Y.
Filed Mar. 15, 1951, Serial No. 611,383. Published Dec. 4, 1951. Class 26.

555,421. Storage Batteries. C & D Batteries, Inc., Conshohocken, Pa.
Filed Mar. 20, 1951, Serial No. 611,558. Published Nov. 27, 1951. Class 21.

555,422. Preservative in the Nature of a Varnish for Wood, Tile, Linoleum, and Magnasite Floors; Varnish-Like Preparation for Finishing and Treating Floors. West Disinfecting Company, Long Island City, N. Y.
Filed Mar. 22, 1951, Serial No. 611,670. Published Nov. 27, 1951. Class 16.

555,423. Ammonium Phosphate Fertilizers. Mathieson Chemical Corporation, Baltimore, Md.
Filed Mar. 24, 1951, Serial No. 611,739. Published Nov. 27, 1951. Class 10.

555,424. Brief Bags and Cases. Ralph Rodgers, White Plains, N. Y.
Filed Mar. 24, 1951, Serial No. 611,741. Published Nov. 27, 1951. Class 3.

555,425. Door Handles, Cabinet Catches and Fittings, Hinges and Butts, Door and Window Fittings, Shelf Brackets, Bolts, Hasps and Staples, Wood Screws and Machine Screws, Hooks and Eyes, Corrugated Fasteners, All Made From Metal, Thumb Tacks. Aug. Stenman Aktiebolag, Eskilstuna, Sweden.
Filed Mar. 26, 1951, Serial No. 611,750. Published Dec. 11, 1951. Class 13.

555,426. Pharmaceutical Preparation Containing a Sympathomimetic Agent, d-Desoxyephedrine Hydrochloride, Etc. Buffington's, Incorporated, Worcester, Mass.
Filed Mar. 28, 1951, Serial No. 611,888. Published July 17, 1951. Class 18.

555,427. Men's and Boys' Overcoats, Topcoats, Suits, Coats, and Trousers. M. Wile & Company, Inc., Buffalo, N. Y.
Filed Mar. 29, 1951, Serial No. 611,986. Published Nov. 27, 1951. Class 39.

555,428. Work and Sport Clothes for Men and Boys—Namely, Work Pants and Work Shirts, Etc. Seg-Mar, Inc., New Orleans, La.
Filed Feb. 26, 1951, Serial No. 610,526. Published Nov. 27, 1951. Class 39.

555,429. Liquid for Cleaning, Preserving, and Polishing Surfaces. Huntington Laboratories, Inc., Huntington and Tipton, Ind.
Filed Feb. 27, 1951, Serial No. 610,559. Published Nov. 13, 1951. Class 4.

555,430. Men's Outer Garments—Namely, Suits of All Kinds, Overcoats, Waistcoats, Trousers, Sport Coats, and Slacks. M. Wile & Company, Inc., Buffalo, N. Y.
Filed Feb. 28, 1951, Serial No. 610,652. Published Nov. 20, 1951. Class 39.

555,431. Billfolds. Amity Leather Products Co., West Bend, Wis.
Filed Mar. 1, 1951, Serial No. 610,662. Published Nov. 27, 1951. Class 3.

555,432. Men's Jackets and Slacks. H. Siegfried & Sons, Inc., St. Louis, Mo.
Filed Mar. 3, 1951, Serial No. 610,803. Published Nov. 27, 1951. Class 39.

555,433. Toilet Soap. Colgate-Palmolive-Peet Company, Jersey City, N. J.
Filed Mar. 6, 1951, Serial No. 610,891. Published Nov. 13, 1951. Class 52.

555,434. Toilet Soap. Colgate-Palmolive-Peet Company, Jersey City, N. J.
Filed Mar. 6, 1951, Serial No. 610,892. Published Nov. 13, 1951. Class 52.

555,435. Women's and Misses', Boys', Youths', and Men's Raincoats, Topcoats, and Overcoats. S. Weltz & Co., Inc., Cleveland, Ohio.
Filed Mar. 6, 1951, Serial No. 610,940. Published Nov. 27, 1951. Class 39.

555,436. Women's and Misses', Boys', Youths', and Men's Raincoats, Topcoats, and Overcoats. S. Weltz & Co., Inc., Cleveland, Ohio.
Filed Mar. 6, 1951, Serial No. 610,941. Published Nov. 27, 1951. Class 39.

555,437. Men's and Boys' Sportswear—Namely, Jackets and Outer Shirts. Joseph Horowitz & Sons, Inc., New York, N. Y.
Filed Mar. 7, 1951, Serial No. 610,971. Published Nov. 27, 1951. Class 39.

555,438. Infants' or Children's Over Garments—Namely, Snow Suits. Tidy Products Company, New York, N. Y.
Filed Feb. 6, 1951, Serial No. 609,705. Published Nov. 20, 1951. Class 39.

555,439. Handbags. Theodor, Inc., Los Angeles, Calif.
Filed Feb. 10, 1951, Serial No. 609,951. Published Nov. 27, 1951. Class 3.

555,440. Gauge To Indicate the General Condition and Condition of the Cooling Efficiency of an Internal Combustion Motor While Stationary. Universal Chemists, Inc., sometimes doing business as Gale Hall Engineering, Boston, Mass.
Filed Feb. 12, 1951, Serial No. 609,989. Published Dec. 4, 1951. Class 26.

555,441. Liquid Measuring Instrument for Weighing Desired Proportions of Quantities of Different Coating Compositions Each of a Different Color To Obtain a Desired Blended Color of the Mixed Coating Compositions. American Lacquer Solvents Company, Phoenixville, Pa.
Filed Feb. 14, 1951, Serial No. 610,042. Published Dec. 4, 1951. Class 26.

555,442. Men's and Boys' Suits, Overcoats, Topcoats, Trousers, and Slacks. The H. A. Seinsheimer Company, Cincinnati, Ohio.
Filed Feb. 14, 1951, Serial No. 610,101. Published Nov. 20, 1951. Class 39.

555,443. Men's and Boys' Suits, Overcoats, Topcoats, Trousers, and Slacks. T. H. A. Seinsheimer Company, Cincinnati, Ohio.
Filed Feb. 14, 1951, Serial No. 610,162. Published Nov. 27, 1951. Class 39.

555,444. Plastic Finish, Felt Base Floor Covering. Mannington Mills, Incorporated, Salem, N. J.
Filed Feb. 19, 1951, Serial No. 610,285. Published Dec. 4, 1951. Class 20.

555,445. Plastic Finish, Felt Base Floor Covering. Mannington Mills, Incorporated, Salem, N. J.
Filed Feb. 19, 1951, Serial No. 610,286. Published Dec. 4, 1951. Class 20.

555,446. Western Style Dungarees, Shirts, and Jackets for Men, Boys, Ladies, and Girls. Blue Bell, Inc., Greensboro, N. C.
Filed Feb. 21, 1951, Serial No. 610,358. Published Nov. 27, 1951. Class 39.

555,447. Water Closet Combinations—Namely, Flush Valves, Housings, Seats, and Bowls. Sloan Valve Company, Chicago, Ill.
Filed Feb. 21, 1951, Serial No. 610,381. Published Dec. 11, 1951. Class 13.

555,448. Medicinal Agent Useful as an Antispasmodic and Analgesic. E. Bilhuber, Inc., Orange, N. J.
Filed Feb. 24, 1951, Serial No. 610,490. Published Nov. 6, 1951. Class 18.

555,449. Fungicide for Turf Diseases. Mallinckrodt Chemical Works, St. Louis, Mo.
Filed Feb. 26, 1951, Serial No. 610,519. Published Nov. 27, 1951. Class 6.

555,450. Men's and Boys' Outer Shirts, Collars, and Cuffs. Piedmont Shirt Company, Greenville, S. C.
Filed Jan. 11, 1951, Serial No. 608,673. Published Nov. 20, 1951. Class 39.

555,451. Men's and Boys' Outer Shirts, Collars, and Cuffs. Piedmont Shirt Company, Greenville, S. C.
Filed Jan. 11, 1951, Serial No. 608,674. Published Nov. 20, 1951. Class 39.

555,452. Gasoline and Diesel Locomotives. Brookville Locomotive Works, Brookville, Pa.
Filed Jan. 12, 1951, Serial No. 608,699. Published Dec. 11, 1951. Class 23.

555,453. Nursing Bottle Holders. Fashioncraft Products, Brooklyn, N. Y.
Filed Jan. 15, 1951, Serial No. 608,790. Published Nov. 13, 1951. Class 44.

555,454. Surgical, Industrial, and Specialty Products Fabricated From Foam Rubber—Namely, Foam Rubber Pillows. Toyad Corporation, Latrobe, Pa.
Filed Jan. 15, 1951, Serial No. 608,799. Published Dec. 11, 1951. Class 32.

555,455. Water Repellent for Stone, Masonry, Fabrics, and Compositions for Hardening Masonry or Other Products. Walter E. Willett, Cortland, N. Y.
Filed Jan. 18, 1951, Serial No. 608,967. Published Dec. 11, 1951. Class 6.

555,456. Artificial Teeth. Myerson Tooth Corporation, Cambridge, Mass.
Filed Jan. 19, 1951, Serial No. 608,996. Published Nov. 13, 1951. Class 44.

555,457. Worsted Suitings in the Piece. Samuel Hird & Sons, Inc., Garfield, N. J., and New York, N. Y.
Filed Jan. 25, 1951, Serial No. 609,240. Published Dec. 4, 1951. Class 42.

555,458. Sofa Beds. Kay Manufacturing Corporation, Brooklyn, N. Y.
Filed Jan. 25, 1951, Serial No. 609,244. Published Nov. 20, 1951. Class 32.

555,459. Automatic Recording Fare Register With Built-in Money Changer. Ohmer Corporation, Dayton, Ohio, now by change of name Rockwell Register Corporation.
Filed Jan. 25, 1951, Serial No. 609,251. Published Dec. 4, 1951. Class 26.

555,460. Women's Hats. Greenberg Shaps Corporation, New York, N. Y.
Filed Jan. 26, 1951, Serial No. 609,296. Published Nov. 27, 1951. Class 39.

555,461. Dry Detergent in Bead or Powder Form for General Household Use, Such as Washing Clothes, Dishes, Pots and Pans, and Woodwork. Fels and Company, Philadelphia, Pa.
Filed Jan. 29, 1951, Serial No. 609,360. Published Nov. 27, 1951. Class 52.

555,462. Safety Valves for Boilers. Consolidated Brass Company, Detroit, Mich.
Filed Feb. 2, 1951, Serial No. 609,536. Published Dec. 11, 1951. Class 13.

555,463. Sport Shirts for Men and Young Men. Publix Shirt Corporation, New York, N. Y.
Filed Feb. 3, 1951, Serial No. 609,603. Published Nov. 20, 1951. Class 39.

555,464. Men's and Boys' Outer Shirts, Collars, and Cuffs. Piedmont Shirt Company, Greenville, S. C.
Filed Jan. 11, 1951, Serial No. 608,675. Published Nov. 27, 1951. Class 39.

555,465. Dry Water Repellent Concentrate for Use on All Fabrics. Eaton Chemical and Dyestuff Company, Detroit, Mich.
Filed Mar. 31, 1951, Serial No. 612,061. Published Nov. 27, 1951. Class 6.

555,466. Brake Linings and Brake Blocks. Raybestos-Manhattan, Inc., Passaic, N. J.
Filed Mar. 31, 1951, Serial No. 612,086. Published Nov. 27, 1951. Class 35.

555,467. Toilet Seats. Miller Brothers Co., Los Angeles, Calif.
Filed Apr. 2, 1951, Serial No. 612,132. Published Dec. 11, 1951. Class 13.

555,468. Gelatin Dessert. Bol Manufacturing Company, Chicago, Ill.
Filed Apr. 5, 1951, Serial No. 612,238. Published Nov. 20, 1951. Class 46.

555,469. Shower Cabinets. Flat Metal Manufacturing Company, Franklin Park, Ill.
Filed Apr. 5, 1951, Serial No. 612,249. Published Dec. 11, 1951. Class 13.

555,470. Fire-Extinguishing Chemicals and Compositions. National Foam System, Inc., West Chester, Pa.
Filed Apr. 6, 1951, Serial No. 612,343. Published Nov. 27, 1951. Class 6.

555,471. Porcelain Enameled Cast Iron Utensils—Namely, Skillets, Casseroles, Dutch Ovens, Sauce Pans, French Fryers, and Baking Dishes. David E. Sanford, doing business under the fictitious name and style of D. E. Sanford Company, Los Angeles, Calif.
Filed Apr. 6, 1951, Serial No. 612,357. Published Dec. 11, 1951. Class 13.

555,472. Metal Cooking Utensils of the Waterless Cooking Type—Namely, Covered Sauce Pans and Vegetable Pans, Roasters, Dutch Ovens, Skillets, Casseroles, Steamers, Combination Cookers, Double Boilers, Baking and Pudding Pans. West Bend Aluminum Co., West Bend, Wis.
Filed Apr. 13, 1951, Serial No. 612,640. Published Dec. 11, 1951. Class 13.

555,473. Rules and Extension Rules. Oriole Rule Manufacturing Corp., Baltimore, Md.
Filed Dec. 7, 1950, Serial No. 613,107. Published Dec. 4, 1951. Class 26.

555,474. Small Anti-Friction Ball-Bearings. Miniature Precision Bearings, Incorporated, Keene, N. H.
Filed Apr. 27, 1951, Serial No. 613,230. Published Dec. 11, 1951. Class 23.

555,475. Fresh Vegetables. Stanley Fruit Company, Phoenix, Ariz.
Filed Apr. 30, 1951, Serial No. 613,349. Published Dec. 4, 1951. Class 46.

555,476. Clothes Bleaching Compound in Tablet Form. Marnett Chemicals, Inc., Baltimore, Md.
Filed May 4, 1951, Serial No. 613,516. Published Dec. 4, 1951. Class 6.

555,477. Plastic Paints, Varnishes, and Enamels. Wisconsin Protective Coating Co., Green Bay, Wis.
Filed May 7, 1951, Serial No. 613,621. Published Dec. 4, 1951. Class 16.

555,478. Shellac Coated Papers—Namely, Rope Paper, Kraft, Asbestos, and Fish Papers, for Use as Electrical Insulation. Irvington Varnish & Insulator Company, Irvington, N. J.
Filed May 10, 1951, Serial No. 613,712. Published Dec. 4, 1951. Class 21.

555,479. Television Receivers, Radio Receivers, and Audio Amplifiers. The Radio Craftsmen, Inc., Chicago, Ill.
Filed May 17, 1951, Serial No. 614,009. Published Nov. 27, 1951. Class 21.

555,480. Rice. Texla Rice, Inc., Crowley, La.
Filed May 17, 1951, Serial No. 614,020. Published Dec. 11, 1951. Class 46.

555,481. Canned Olives. Mawer-Gulden-Annis, Inc., Brooklyn, N. Y.
Filed May 21, 1951, Serial No. 614,155. Published Dec. 11, 1951. Class 46.

555,482. Fertilizer. Mississippi Chemical Corporation, Yazoo City, Miss.
Filed May 28, 1951, Serial No. 614,451. Published Dec. 4, 1951. Class 10.

555,483. Cotton Piece Goods Used as Shirting Fabrics. Dan River Mills, Incorporated, Danville, Va.
Filed June 14, 1951, Serial No. 615,164. Published Dec. 4, 1951. Class 42.

555,484. Textile Fabrics in the Piece Composed of Rayon, Cotton, Linen, Wool, Nylon, and Combinations Thereof. Tanbro Fabrics Corp., New York, N. Y.
Filed June 15, 1951, Serial No. 615,256. Published Dec. 4, 1951. Class 42.

555,485. Textile Fabrics in the Piece Composed of Rayon, Cotton, Linen, Wool, Nylon, and Silk Fabrics. Tanbro Fabrics Corp., New York, N. Y.
Filed June 15, 1951, Serial No. 615,257. Published Dec. 4, 1951. Class 42.

555,486. Textile Fabrics in the Piece, Composed of Rayon, Cotton, Linen, Wool, Nylon, and Silk Fabrics. Tanbro Fabrics Corp., New York, N. Y.
Filed June 15, 1951, Serial No. 615,258. Published Dec. 4, 1951. Class 42.

555,487. Textile Fabrics in the Piece, Composed of Rayon, Cotton, Linen, Wool, Nylon, and Silk Fabrics. Tanbro Fabrics Corp., New York, N. Y.
Filed June 15, 1951, Serial No. 615,259. Published Dec. 4, 1951. Class 42.

555,488. Rayon Piece Goods. Tabin-Picker & Co., Chicago, Ill.
Filed June 30, 1951, Serial No. 615,951. Published Dec. 11, 1951. Class 42.

555,489. Bag Seals for Cloth Bags—Namely, Coin Bags. George G. Canter, doing business as Security Seal Company, New York, N. Y.
Filed Aug. 8, 1951, Serial No. 617,435. Published Dec. 11, 1951. Class 25.

Service Marks

555,490. Engineering Service Encompassing Anti-Friction Bearing and Allied Fields, Etc. S K F Industries, Inc., Philadelphia, Pa.
Filed June 21, 1948, Serial No. 559,862. Published Dec. 4, 1951. Class 100.

555,491. Application of Permanent Type Water-Repellent Finishes to Nyon and Acrylic Fabrics in the Piece. Fair Lawn Finishing Company, Fair Lawn, N. J.
Filed July 21, 1948, Serial No. 561,815. Published Dec. 11, 1951. Class 106.

555,492. Underwriting of Insurance Including Collision, Automobile Bodily Injury and Property Damage, Teams Liability, Bodily Injury and Property Damage Other Than Automobile, and Workmen's Compensation; and the Promotion of Safety Among Children Upon the Highways. Selected Risks Indemnity Company, Branchville, N. J.
Filed Nov. 26, 1948, Serial No. 569,482. Published Dec. 11, 1951. Class 102.

555,493. Services Rendered to Automobile Parts Dealers—Namely, Checking and Analyzing Inventories in Order to Bring the Records Up to Date; Setting Up a Stock Control System for Automobile Parts; Furnishing of Plans and Blueprints for the Rebuilding of Automobile Parts Bins; Rebuilding Automobile Parts Bins and Furnishing Correct Bin Labels for Identifying Each Part's Location. Lawrence E. Killmer, doing business as Parts Analysis and Services Company, Detroit, Mich.
Filed Feb. 11, 1949, Serial No. 573,724. Published Dec. 11, 1951. Class 101.

555,494. Entertainment Service in the Nature of a Radio Broadcasting Program of the Musical Variety Type Interposed With Special Notices. Morris Sheeler, Alexandria, Va.
Filed Aug. 15, 1950, Serial No. 602,223. Published Dec. 4, 1951. Class 107.

Collective Mark

555,495. Establishment and Maintenance of Membership in a National Collegiate Fraternity. Alpha Chi Rho Fraternity, New York, N. Y.
Filed Sept. 21, 1950, Serial No. 603,830. Published Dec. 4, 1951. Class 100.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

555,496. (Class 39. Clothing.) Delman, Inc., New York, N. Y. Original filed, act of 1905, July 31, 1945; amended to application under act of 1946, Principal Register, Apr. 9, 1948; amended to Supplemental Register, Dec. 20, 1949, Serial No. 486,518.

DELMAN
HAND MADE
SHOES
The best shoes you can buy are the best buy

Applicant claims ownership of Registration No. 242,734.
For Shoes Made of Leather, Rubber or Fabric, or Combinations Thereof.
Claims use since Feb. 21, 1943.

555,497. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Eckenbeck & Madden Co., Minneapolis, Minn. Original filed, act of 1946, Principal Register, Apr. 24, 1948; amended to application, Supplemental Register, July 20, 1949, Serial No. 555,490.

PLUG BOLTS

For Bolts.
Claims use since Dec. 12, 1947.

555,498. (Class 51. Cosmetics and Toilet Preparations.) Caron Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 24, 1948; amended to application, Supplemental Register, May 8, 1951, Serial No. 563,904.



The mark is the distinctive configuration of the bottle.
For Perfume.
Claims use since 1922.

555,499. (Class 39. Clothing.) Carwood Manufacturing Company, Winder, Ga. Original filed, act of 1946, Principal Register, Sept. 2, 1948; amended to application, Supplemental Register, Oct. 18, 1951, Serial No. 564,552. The words "Winter Wear" are disclaimed.



For Outerwear—Namely, Men's and Boys' Work Shirts, Sport Shirts, and Lumberjack Shirts, Made of Cotton Suede, Cotton Flannel, and Woolen Materials.
Claims use since March 1948.

555,500. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Samarkand Mills, Inc., Rock Hill, S. C., and New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 7, 1948; amended to application, Supplemental Register, Feb. 23, 1951, Serial No. 570,123.

Hook Twist

For Textile Rugs.
Claims use since Aug. 2, 1948.

555,501. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Quaker Maid Mills, Inc., Philadelphia, Pa. Original filed, act of 1946, Principal Register, Jan. 25, 1949; amended to application, Supplemental Register, Oct. 24, 1951, Serial No. 572,767.

BesTwist

For Textile Bath Mats and Rugs.
Claims use since Dec. 21, 1948.

555,502. (Class 46. Foods and Ingredients of Foods.) Melba Sweets Co., Cliffside Park, N. J. Original filed, act of 1946, Principal Register, May 7, 1949; amended to application, Supplemental Register, May 5, 1950, Serial No. 578,398.

LINDA LEE

The name "Linda Lee" is fanciful.
For Candy.
Claims use since March 1949.

555,503. (Class 46. Foods and Ingredients of Foods.) Sherwood Feed Mills, Inc., Baltimore, Md. Original filed, act of 1946, Principal Register, June 1, 1949; amended to application, Supplemental Register, Dec. 13, 1951, Serial No. 579,837.



Applicant claims ownership of Registration No. 420,437.
For Mixed Feeds for Livestock and Poultry.
Claims use since Apr. 1, 1949.

555,504. (Class 46. Foods and Ingredients of Foods.) San Dimas Orange Growers Association, San Dimas, Calif. Filed Aug. 22, 1949, Serial No. 583,819.

FAMOUS FOR FLAVOR

Applicant claims ownership of Registration No. 264,253.
For Fresh Citrus Fruits.
Claims use since Jan. 1, 1912.

555,505. (Class 4. Abrasives and Polishing Materials.) The Wingwax Company, Dayton, Ohio. Original filed, act of 1946, Principal Register, Oct. 14, 1949; amended to application, Supplemental Register, Feb. 21, 1951, Serial No. 586,336.



For Cleaner and Polish for Automobiles and Furniture.
Claims use since Sept. 21, 1949.

555,506. (Class 32. Furniture and Upholstery.) The Hitchcock Chair Company, Barkhamsted and Riverton, Conn. Filed Dec. 22, 1949, Serial No. 589,786.

L. HITCHCOCK-HITCHCOCKS-VILLE-CONN.

The mark "L. Hitchcock" is the name of the famous chair manufacturer, now deceased. Applicant claims ownership of Registration No. 514,621.
For Dining, Lounge, and Occasional Chairs.
Claims use since Dec. 14, 1948.

555,507. (Class 38. Prints and Publications.) Art Material Trade News, Chicago, Ill. Original filed, act of 1946, Principal Register, Jan. 14, 1950; amended to application, Supplemental Register, May 31, 1951, Serial No. 590,876.

Art material Trade news

For Periodical Magazine.
Claims use since June 25, 1949.

555,508. (Class 46. Foods and Ingredients of Foods.) Minnesota Consolidated Canneries, Inc., Minneapolis, Minn. Original filed, act of 1946, Principal Register, Apr. 5, 1950; amended to application, Supplemental Register, Dec. 5, 1951, Serial No. 595,269.

JACKETTES

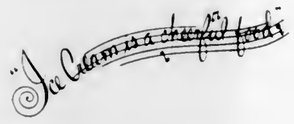
For Canned Potatoes.
Claims use since October 1949.

555,509. (Class 46. Foods and Ingredients of Foods.) Catherine I. Holifield, Bostwick, Fla. Original filed, act of 1946, Principal Register, Apr. 28, 1950; amended to application, Supplemental Register, Apr. 23, 1951, Serial No. 596,493.



The drawing is lined for red and yellow.
For Relish, Comprised Mainly of Peppers, Celery, Onions, Sugar, Salt, Vinegar and Spices.
Claims use since Mar. 4, 1950.

555,510. (Class 46. Foods and Ingredients of Foods.) G. P. Gundlach & Co., Inc., Cincinnati, Ohio. Filed May 17, 1950, Serial No. 597,608.



For Ice Cream.
Claims use since February 1949.

555,511. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Eston Chemicals, Inc., Los Angeles, Calif. Original filed, act of 1946, Principal Register, May 29, 1950; amended to application, Supplemental Register, Dec. 12, 1951, Serial No. 598,296.

"Tapacan"

For Dispensing Valves.
Claims use since May 12, 1950.

555,512. (Class 40. Fancy Goods, Furnishings, and Notions.) Handleman Drug Company, Detroit, Mich. Original filed, act of 1946, Principal Register, June 15, 1950; amended to application, Supplemental Register, Nov. 28, 1951, Serial No. 599,169.

Hanley

For Shoe Laces.
Claims use since June 5, 1948.

555,513. (Class 44. Dental, Medical, and Surgical Appliances.) Carl C. Hartwig, Los Angeles, Calif. Original filed, act of 1946, Principal Register, July 10, 1950; amended to application, Supplemental Register, Aug. 9, 1951, Serial No. 600,433.



The drawing is lined for the color red.
For Hernia Belts.
Claims use since July 21, 1947.

555,514. (Class 39. Clothing.) Giuseppe Ravasi, Como, Italy. Original filed, act of 1946, Principal Register, July 13, 1950; amended to application, Supplemental Register, Oct. 2, 1951, Serial No. 600,618.

RAVASI

Applicant claims ownership of Italian Registration No. 1,109, dated Mar. 5, 1951.
For Scarves, Dressing-Gowns, Neckties, Handkerchiefs.

555,515. (Class 52. Detergents and Soaps.) The Selig Company, Inc., doing business as The Selig Company, Atlanta, Ga. Original filed, act of 1946, Principal Register, Sept. 7, 1950; amended to application, Supplemental Register, June 5, 1951, Serial No. 603,256.

SAFETY FAST

For Germicidal Soap.
Claims use since Aug. 15, 1949.

555,516. (Class 38. Prints and Publications.) Watt Publishing Co., Mount Morris, Ill. Original filed, act of 1946, Principal Register, Sept. 14, 1950; amended to application, Supplemental Register, Nov. 5, 1951, Serial No. 603,562.

BROILER GROWING

For Magazine.
Claims use since Sept. 1, 1950.

555,517. (Class 38. Prints and Publications.) McGraw-Hill Book Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 11, 1950; amended to application, Supplemental Register, June 29, 1951, Serial No. 604,732.

VOCATIONAL EDUCATION NEWS

For Publication Issued Quarterly.
Claims use since Oct. 1, 1947.

555,518. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Eugene T. Barwick, doing business as E. T. Barwick Mills, Chamblee, Ga. Original filed, act of 1946, Principal Register, Nov. 10, 1950; amended to application, Supplemental Register, Sept. 7, 1951, Serial No. 606,201.

Chatsworth

For Cotton Textile Products—Namely, Rugs and Carpeting.
Claims use since Mar. 1, 1949.

555,519. (Class 37. Paper and Stationery.) Strunbel Paper Company, Green Bay, Wis. Original filed, act of 1946, Principal Register, Nov. 17, 1950; amended to application, Supplemental Register, Dec. 12, 1951, Serial No. 606,575.

SOF-RAP

For Packing and Liner Paper.
Claims use since Aug. 1, 1950.

555,520. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) The H. E. Frisch Knitting Mills Co., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Dec. 22, 1950; amended to application, Supplemental Register, Aug. 23, 1951, Serial No. 607,988.

THE BELGIUM SHAWL

For Knitted Baby Blankets.
Claims use since Aug. 24, 1949.

555,521. (Class 37. Paper and Stationery.) A. W. Faber-Castell Pencil Co., Inc., Newark, N. J. Filed Feb. 24, 1951, Serial No. 610,494.

the Drawing Pencil of the Masters

For Drawing Wood Encased Lead Pencils.
Claims use since Nov. 15, 1947.

555,522. (Class 38. Prints and Publications.) Fairchild Publications, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 13, 1951; amended to application, Supplemental Register, Nov. 5, 1951, Serial No. 611,222.

Needle Trades Engineering

For Newspaper Section.
Claims use since Aug. 7, 1950.

555,523. (Class 38. Prints and Publications.) Armed Services Digest Publishers Corp., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Mar. 28, 1951; amended to application, Supplemental Register, Dec. 8, 1951, Serial No. 611,878.

DIGEST ARMED SERVICES

For Monthly Magazine.
Claims use since Oct. 10, 1950.

555,524. (Class 38. Prints and Publications.) Banker Publishing Co., Inc., Atlanta, Ga. Original filed, act of 1946, Principal Register, Apr. 12, 1951; amended to application, Supplemental Register, Nov. 6, 1951, Serial No. 612,526.

The American Bottler

Applicant claims ownership of Registrations Nos. 426,493 and 501,726.
For Trade Journal.
Claims use since January 1950.

555,525. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Exeter Manufacturing Company, Exeter, N. H. Original filed, act of 1946, Principal Register, Apr. 21, 1951; amended to application, Supplemental Register, Oct. 18, 1951, Serial No. 612,967.

FRANCONIA

For Piece Goods—Namely, Glazed Chintz.
Claims use since November 1949.

555,526. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Eugene T. Barwick, doing business as E. T. Barwick Mills, Chamblee, Ga. Original filed, act of 1946, Principal Register, Apr. 24, 1951; amended to application, Supplemental Register, Sept. 14, 1951, Serial No. 613,042.

BARWICK PRODUCT — BARWICK *Mills*

For Cotton Textile Products—Namely, Rugs and Carpeting.
Claims use since Mar. 15, 1949.

555,527. (Class 22. Games, Toys, and Sporting Goods.) Charles J. P. Kotchan, Lynbrook, N. Y. Filed May 1, 1951, Serial No. 613,375.

JETSLED

For Sleds.
Claims use since Jan. 18, 1950.

555,528. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) D. B. Fuller & Co., Inc., New York, N. Y. Filed May 11, 1951, Serial No. 613,771.

READY-CUT By Fuller

Applicant claims ownership of Registrations Nos. 440,903 and 524,045.
For Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres and Mixtures Thereof.
Claims use since Mar. 6, 1950.

555,529. (Class 46. Foods and Ingredients of Foods.) Northland Canning Company, Cokato, Minn. Filed May 22, 1951, Serial No. 614,212.



The drawing is lined for red, green and yellow, and is stippled for shading purposes. The wording "Cream Style Country Gentleman White Sweet Corn" is disclaimed.
For Canned Corn.
Claims use since 1947.

Service Marks

555,530. (Class 103. Construction and Repair.) Cownie Furs, Des Moines, Iowa. Original filed, act of 1946, Principal Register, June 30, 1949; amended to application, Supplemental Register, Mar. 22, 1951, Serial No. 581,325.

Luster-glo

For Fur, Garment, Cleaning and Lusterizing Service—Namely, the Cleaning of a Fur Garment and Restoration of the Original Sheen and Fluffiness to the Fur Garment.
Claims use since Apr. 2, 1949.

555,531. (Class 106. Material Treatment.) Publishers Book Bindery, Inc., Cambridge, Mass. Original filed, act of 1946, Principal Register, Nov. 2, 1949; amended to application, Supplemental Register, Dec. 11, 1950, Serial No. 587,208.

FLEXTEX EDGELINED

For Bookbinding.
Claims use since Aug. 15, 1949.

TRADE-MARK REGISTRATIONS RENEWED

37,939. "G M CO E P" AND DESIGN. Registered Mar. 11, 1902. Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island. Re-renewed Mar. 11, 1952. Electroplated Metal Ware. Class 13.

38,198. "FATHER JOHN'S" AND PORTRAIT. Registered Apr. 29, 1902. Carleton & Hovey. Re-renewed Apr. 29, 1952, to Father John's Medicine Company, Inc., Lowell, Mass., a corporation of New Jersey. A Particular Remedy for Lung and Throat Troubles, a Body-Builder, Etc. Class 18.

84,312. THE FRANCO-AMERICAN FOOD COMPANY. Registered Nov. 28, 1911. The Franco-American Food Company, Jersey City, N. J. Re-renewed Nov. 28, 1951, to Campbell Soup Company, Camden, N. J., a corporation of New Jersey. Soups: Purée of Tomato, Mock Turtle, Ox-Tail Thick, Consommé, Etc. Class 46.

84,553. MONITOR. Registered Dec. 19, 1911. Torsch Packing Company, Baltimore, Md. Re-renewed Dec. 19, 1951, to The Torsch Canning Company, Frederick, Md., a corporation of Maryland. Canned Oysters, Canned Fruits, and Canned Vegetables. Class 46.

84,810. "JANE JUSTICE" AND DRAWING. Registered Jan. 9, 1912. Chas. W. Bauermeister Co., Terre Haute, Ind., a corporation of Indiana. Re-renewed Jan. 9, 1952. Spices, Mince Meat, Rice, Breakfast Cereals, Etc. Class 46.

85,338. PATRICIA. Registered Feb. 13, 1912. Eva O. Farnsworth. Re-renewed Feb. 13, 1952, to Rhythm Lingerie, Inc., New York, N. Y., a corporation of New York. Underwear, in the Nature of a Combination Skirt and Drawers, Made as a Single Garment of Textile Fabric. Class 39.

85,911. DURO. Registered Mar. 26, 1912. A. C. Lawrence Leather Co., Boston, Mass. Re-renewed Mar. 26, 1952, to A. C. Lawrence Leather Company, Peabody, Mass., a corporation of Maine. Finished Leather. Class 1.

86,179. PHANTOM. Registered Apr. 16, 1912. Trippe, Barker & Co. Re-renewed Apr. 16, 1952, to William Lind, doing business as William Lind Co., New York, N. Y. Cotton and Linen Piece Goods. Class 42.

86,287. "DIX MAKE" AND DESIGN. Registered Apr. 30, 1912. Henry A. Dix & Sons Company. Re-renewed Apr. 30, 1952, to Henry A. Dix & Sons Corporation, New York, N. Y., a corporation of New York. Ladies' Tub-Dresses. Class 39.

268,630. BAY BISCUITS. Registered Mar. 18, 1930. Ambrosius Umberto Terrabusi, doing business as Establecimiento Modelo Terrabusi. Renewed Mar. 18, 1950, to S. A. Establecimiento Modelo Terrabusi, Buenos Aires, Argentina, a corporation organized under the laws of Argentina. Bakery Products—Namely, Biscuits. Class 46.

283,791. LONG SERVER. Registered June 9, 1931. Chapman & Rodgers, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 9, 1951. Cough Syrup. Class 18.

286,774. "FETHE WATE" AND REPRESENTATION OF FEATHER. Registered Sept. 1, 1931. Adam Hat Stores, Inc., New York, N. Y., a corporation of New York. Renewed Sept. 1, 1951. Men's Hats. Class 39.

288,609. "ACE" WITHIN DIAMOND-SHAPED DESIGN. Registered Nov. 3, 1931. Colt's Patent Fire Arms Manufacturing Co. Renewed Nov. 3, 1951, to Colt's Manufacturing Company, Hartford, Conn., a corporation of Connecticut. Pistols. Class 9.

288,610. SHOOTING MASTER. Registered Nov. 3, 1931. Colt's Patent Fire Arms Manufacturing Co. Renewed Nov. 3, 1951, to Colt's Manufacturing Company, Hartford, Conn., a corporation of Connecticut. Revolvers. Class 9.

288,778. BALJAMA. Registered Nov. 3, 1931. Marshall Field & Company, Chicago, Ill. Renewed Nov. 3, 1951, to Vesta Underwear Company, Pawtucket, R. I., a corporation of Rhode Island. Sleeping Garments and Women's and Children's Knitted Underwear. Class 39.

288,806. CONCENTROMETER. Registered Nov. 3, 1931. Elgin Softener Corporation, Elgin, Ill., a corporation of Illinois. Renewed Nov. 3, 1951. Hydrometers for Measuring the Specific Gravity of Liquids. Class 26.

288,891. "DR. McGAULEY'S GREEN CROSS" AND REPRESENTATION OF CROSS. Registered Nov. 10, 1931. The Gardner Tooth-Brush Co., Inc. Renewed Nov. 10, 1951, to Walter G. McGauley, New York, N. Y. Toothbrushes. Class 29.

288,984. MORODA. Registered Nov. 10, 1931. Madison Woolen Company, Madison, Maine. Renewed Nov. 10, 1951, to The Cotwool Manufacturing Corporation, Wilmington, Del., a corporation of Delaware. Woolen Piece Goods. Class 42.

289,104. LOV-KIS. Registered Nov. 17, 1931. Edward A. Welters, doing business as Welters Mfg. Co., Jacksonville, Fla. Renewed Nov. 17, 1951, to Edward A. Welters, Chicago, Ill. Soap. Class 52.

289,439. "BRIVELVO" WITHIN OVAL DESIGN. Registered Nov. 24, 1931. The Pile Fabric Manufacturing Company (Bradford), Limited, Bradford, England, a limited liability company existing under the laws of Great Britain. Renewed Nov. 24, 1951. Furnishing Fabrics Comprising Cloth Made of Wool, Worsted, or Hair. Class 42.

289,492. "EFORT" ETC. AND DESIGN. Registered Dec. 1, 1931. S. Amos Mole, Buffalo, N. Y. Renewed Dec. 1, 1951. Germicide, Disinfectant, Deodorant, and Bleach. Class 18.

289,642. VIGOROUS. Registered Dec. 1, 1931. Gallenkamp Stores Co., San Francisco, Calif. Renewed Dec. 1, 1951, to Gallenkamp Stores Co., Los Angeles, Calif., a corporation of California. Shoes Made of Leather, Rubber, Fabric, and Combinations of Those Materials. Class 39.

289,812. PENNYWAY. Registered Dec. 8, 1931. John E. R. Hasbrouck, New York, N. Y. Renewed Dec. 8, 1951, to John E. R. Hasbrouck, New City, N. Y. Automatic Weighing Scales and Weighing Machines With or Without Coin Controlled Operating Mechanism. Class 26.

289,822. W. Registered Dec. 8, 1931. Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York. Renewed Dec. 8, 1951. Hook and Eye Tape. Class 40.

289,904. "CSP KA-NA-BA" ETC. AND DESIGN. Registered Dec. 15, 1931. Clean Surface Products Company, Chicago, Ill., a corporation of Illinois. Renewed Dec. 15, 1951. Waterproof Wax Finish in the Nature of a Polish for Automobiles, Furniture, Woodwork, and Floors, Which Product May Also Be Used for Glazing. Class 4.

290,247. ZIP-ALL. Registered Dec. 22, 1931. William Potter, New York, N. Y. Renewed Dec. 22, 1951, to Red Devil Tools, Irvington, N. J., a corporation of New Jersey. Wood Scrapers, Parts Thereof, and Scraper Blades. Class 23.

290,413. "DEWEY" AND DESIGN. Registered Jan. 5, 1932. Dewey Portland Cement Company, Kansas City, Mo., a corporation of West Virginia. Renewed Jan. 5, 1952. Portland Cement. Class 12.

290,480. WILLSON FACELETS. Registered Jan. 5, 1932. Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania. Renewed Jan. 5, 1952. Respirator and Mask Attachments. Class 44.

290,495. GALLEN KAMP'S. Registered Jan. 5, 1932. Gallenkamp Stores Co., San Francisco, Calif. Renewed Jan. 5, 1952, to Gallenkamp Stores Co., Los Angeles, Calif., a corporation of California. Footwear—Namely, Shoes, Boots, Slippers, Arctics (Also Known as Galoshes), Rubbers and Hosiery. Class 39.

290,590. BABY. Registered Jan. 12, 1932. Western Clock Company, Peru, Ill. Renewed Jan. 12, 1952, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Electrical Motors. Class 21.

290,591. BABY BEN. Registered Jan. 12, 1932. Western Clock Company, Peru, Ill. Renewed Jan. 12, 1952, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Electrical Motors. Class 21.

290,592. BEN. Registered Jan. 12, 1932. Western Clock Company, Peru, Ill. Renewed Jan. 12, 1952, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Electrical Motors. Class 21.

290,594. BIG BEN. Registered Jan. 12, 1932. Western Clock Company, Peru, Ill. Renewed Jan. 12, 1952, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Electrical Motors. Class 21.

290,826. R-WELLENE. Registered Jan. 19, 1932. Arwell Products Company. Renewed Jan. 19, 1952, to Arwell, Inc., Waukegan, Ill., a corporation of Illinois. Antiseptic. Class 18.

291,019. ART-TEX. Registered Jan. 26, 1932. Art-Tex Adhesive Products, Inc., New York, N. Y. Renewed Jan. 26, 1952, to Art-Tex Adhesive Products, Inc., Brooklyn, N. Y., a corporation of New York. Wall Texture Preparation in the Nature of Plastic Paint, and a Colorless Glazing Liquid Which May Be Tinted With Colors Ground in Oil. Class 16.

291,263. "FIBREBOARD PRODUCTS INC." AND DRAWING. Registered Feb. 2, 1932. Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware. Renewed Feb. 2, 1952. Sheathing Paper and Wall Board. Class 12.

291,338. "AMERICAN ENKA" ETC. AND DESIGN. Registered Feb. 9, 1932. American Enka Corporation, Asheville, N. C. Renewed Feb. 9, 1952, to American Enka Corporation, Enka, N. C., a corporation of Delaware. Rayon Yarn. Class 43.

291,456. "PALMOLIVE" ETC. AND DRAWING. Registered Feb. 9, 1932. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed Feb. 9, 1952, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Shampoo Powder. Class 52.

291,760. VENTADOOR. Registered Feb. 23, 1932. Van Zile Ventilating Corporation, New York, N. Y. Renewed Feb. 23, 1952, to Van Zile Ventilating Company, Marietta, Ohio, a corporation of Ohio. Ventilating Panels for Doors. Class 34.

291,854. "HI-PLANE" ETC. AND REPRESENTATION OF CARTON. Registered Feb. 23, 1932. Larus & Brothers Company, Incorporated, Richmond, Va., a corporation of Virginia. Renewed Feb. 23, 1952. Smoking Tobacco and Cigarettes. Class 17.

291,952. TAURACRINE. Registered Feb. 23, 1932. Albert E. Mallard. Renewed Feb. 23, 1952, to A. E. Mallard Laboratories, Inc., Detroit, Mich., a corporation of Michigan. Tablets Used as a Biliary Stimulant and Antiseptic Solvent of Effete Mucus. Class 18.

292,045. VITA LUBE. Registered Mar. 1, 1932. The White & Bagley Company, Worcester, Mass., a corporation of Massachusetts. Renewed Mar. 1, 1952. Penetrants and Lubricants, Principally Penetrating Oil for Use in Thinning Motor Oil for Cold Weather Lubricants, Etc. Class 15.

292,294. "AC" AND DESIGN. Registered Mar. 8, 1932. Arkansas Company Inc., New York, N. Y. Renewed Mar. 8, 1952, to Arkansas Company Inc., Newark, N. J., a corporation of New York. Chemicals for the Textile Trade—Namely, Anthrolic Acid, Formic Acid, Etc. Class 6.

292,988. "KLN-AID" AND DESIGN. Registered Apr. 5, 1932. Luther Alton Neil, doing business as Kln-Aid Laboratories. Renewed Apr. 5, 1952, to Dr. A. A. de la Torre, Jr., El Paso, Tex. Tooth Powder. Class 51.

292,990. RYTOFF. Registered Apr. 5, 1932. The Carter's Ink Company, Cambridge, Mass., a corporation of Massachusetts. Renewed Apr. 5, 1952. Liquid Ink Eradicator for Paper or Cloth. Class 52.

293,148. VEOS. Registered Apr. 12, 1932. Porcelain Tile Company, Warren, Ohio. Renewed Apr. 12, 1952, to Clyde Porcelain Steel Corporation, Clyde, Ohio, a corporation of Ohio. Tiles, Foundation Sheets for Tiles, and Cement for Use in Affixing Tiles to Foundation Sheets. Class 12.

293,158. ORANGETTE. Registered Apr. 12, 1932. Marshak Malfmolak Co. Inc., Brooklyn, N. Y. Renewed Apr. 12, 1952, to The Grapette Company, Inc., Camden, Ark., a corporation of Arkansas. A Non-Alcoholic, Maltless Powder for Making Soft Drinks. Class 45.

293,174. LEMONETTE. Registered Apr. 12, 1932. Marshak Maltmolak Co. Inc., Brooklyn, N. Y. Renewed Apr. 12, 1952, to The Grapette Company, Inc., Camden, Ark., a corporation of Arkansas, Nonalcoholic Maltless Powder for Making Soft Drinks. Class 45.

293,244. "AA" AND DRAWING. Registered Apr. 19, 1932. Henry Becker & Son, Inc., Roseland, N. J., a corporation of New Jersey. Renewed Apr. 19, 1952. Milk, Cream, Butter, and Eggs. Class 46.

293,343. NABARA. Registered Apr. 19, 1932. Arabian Coffee Co., Inc., Boston, Mass., a corporation of Massachusetts. Renewed Apr. 19, 1952. Tea. Class 46.

293,344. ALICE BLUE. Registered Apr. 19, 1932. Page & Shaw, Inc., Cambridge, Mass., a corporation of Massachusetts. Renewed Apr. 19, 1952. Candy. Class 46.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

444,294. WASTE KING. Registered Oct. 31, 1950. Given Manufacturing Company, Los Angeles, Calif. Waste Disposal Units Adaptable to the Shredding of Garbage and Attachable to Plumbing Systems. Class 23. Corrected as follows: In the certificate, lines 2 and 14; in the heading to the statement; in line 1 of the statement; and in the printed signature, "Company" should be *Co.*

541,162. SNEEKSOX. Registered Apr. 17, 1951. Wilmington Hosiery Mills, Inc., Wilmington, Del. Socks for Men, Women, Boys, and Girls. Class 39. Amended as follows: In the statement, line 7, before "socks" *slipper* is inserted.

550,365. LYONS. Registered Nov. 6, 1951. Lyons-Magnus, Incorporated, San Francisco, Calif. Fresh Fruits Preserved With Sugar for Use at Soda Fountains, Etc. Class 46. Corrected as follows: In the statement, column 2, line 15, for "344,355" read *344,356.*

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 287,095. Registered Sept. 15, 1931. American Hide and Leather Company, Boston, Mass., a corporation of New Jersey. Republished by registrant.

OUTING ELK

The word "Elk" is disclaimed apart from the mark as shown.

For Side Leather.

Claims use since Mar. 9, 1930.

Reg. No. 289,304. Registered Nov. 24, 1931. Hercules Powder Company, Wilmington, Del., a corporation of Delaware. Republished by registrant.

HERCULES

For Purified Cotton Linter Pulp, Whether in Loose Form or Sheet Form, Also Known as Cottonseed Hull Shavings Pulp and as Bleached Cotton Linter Pulp.

Claims use since Apr. 2, 1931.

Reg. No. 289,305. Registered Nov. 24, 1931. Hercules Powder Company, Wilmington, Del., a corporation of Delaware. Republished by registrant.



For Purified Cotton Linter Pulp, Whether in Loose Form or Sheet Form, Also Known as Cottonseed Hull Shavings Pulp and as Bleached Cotton Linter Pulp.
Claims use since Apr. 2, 1931.

Reg. No. 291,872. Registered Feb. 23, 1932. Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York. Republished by registrant.

Nepro-lite

For Cushion Material and Specifically Cork and Cork Composition Material in Disk, Sheet, or Block Form.
Claims use since on or about Sept. 25, 1931.

Reg. No. 311,066. Registered Mar. 13, 1934. The Kearns Coal Company, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

WISCO

For Coal.
Claims use since Apr. 1, 1932.

CLASS 2

RECEPTACLES

Reg. No. 288,370. Registered Oct. 27, 1931. (Classified in Class 32.) The Spool Cotton Company, New York, N. Y., a corporation of New Jersey. Republished by registrant.

The Selectacolor

See this serial number in Class 32 for goods and mark.
Claims use since Apr. 3, 1930.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 289,526. Registered Dec. 1, 1931. Koppers Products Company, Pittsburgh, Pa. Republished by Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware.

KOPPERS FLOTATION SULPHUR

The words "Flotation" and "Sulphur" are disclaimed apart from the mark as shown.
For Sulphur.
Claims use since Jan. 24, 1930.

Reg. No. 441,631. Registered Dec. 21, 1948. Candy Crafters, Inc., Lansdowne, Pa. Republished by Zippy Products, Inc., Lansdowne, Pa., a corporation of Pennsylvania.

ZIPPY

For Liquid Starch for Laundry Purposes.
Claims use since Jan. 10, 1946.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 289,898. Registered Dec. 15, 1931. Hercules Powder Company, Wilmington, Del., a corporation of Delaware. Republished by registrant.



The drawing is lined for red. The representation of the powder grains is disclaimed apart from the mark as shown.
For Propellent Powders for Shot Guns, Rifled Arms, Etc.
Claims use since Mar. 25, 1931.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 279,800. Registered Jan. 27, 1931. Lamella Roof Syndicate, Inc., New York, N. Y. Republished by Roof Structures, Inc., New York, N. Y., a corporation of New Jersey.

LAMELLA

For Structural Members for Constructing Roofs.
Claims use since Aug. 6, 1930.

Reg. No. 290,414. Registered Jan. 5, 1932. Pioneer Paper Company, Los Angeles, Calif. Republished by The Flintkote Company, New York, N. Y., a corporation of Massachusetts.

TREHEAL

For Bituminous Emulsions for Arboricultural Use.
Claims use since on or about Feb. 10, 1931.

Reg. No. 396,155. Registered June 30, 1942. David E. Kennedy, Inc., Brooklyn, N. Y. Republished by Kentile, Inc., Brooklyn, N. Y., a corporation of New York.

KENTILE Asphalt Tile

The words "Asphalt Tile" and the representation of the goods are disclaimed apart from the mark as shown.
For Floor Tiles.
Claims use since Sept. 15, 1941.

Reg. No. 424,034. Registered Sept. 17, 1946. David E. Kennedy, Inc., Brooklyn, N. Y. Republished by Kentile, Inc., Brooklyn, N. Y., a corporation of New York.

KENCORK the friendly floor

The word "Floor" is disclaimed apart from the mark as shown.
For Floor Tiles.
Claims use since June 28, 1937.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 426,402. Registered Dec. 24, 1946. David E. Kennedy, Inc., Brooklyn, N. Y. Republished by Kentile, Inc., Brooklyn, N. Y., a corporation of New York.

KENWAX

For Wax To Preserve, Protect, and Polish Asphalt Tile, Cork Tile, Rubber Tile, Cork Composition, Linoleum, and Hardwood Floors.
Claims use since Jan. 1, 1938.

Reg. No. 444,589. Registered Oct. 23, 1951. Davis Paint Co., Kansas City, Mo., a corporation of Missouri. Republished by registrant, present address North Kansas City, Mo.

DA-LUXE

For Ready Mixed Oil Paint, Varnish, and Enamel.
Claims use since May 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 142,971. Registered May 24, 1921. Cotta Transmission Company, Rockford, Ill. Republished by Cotta Transmission Company, Rockford, Ill., a copartnership.



The word "Rockford" is disclaimed apart from the mark as shown.
For Change-Speed Transmissions.
Claims use since January 1919.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 289,926. Registered Dec. 15, 1931. Ernst Homberger-Rauschenbach, vorm. International Watch Co. (Ernest Homberger-Rauschenbach, Ci-devant International Watch Co.), Schaffhouse, Switzerland, a private firm organized under the laws of the Confederation of Switzerland. Republished by registrant.

INTERNATIONAL WATCH

For Watch Movements, Cases, Dials, and Sheaths.
Claims use since 1868.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Reg. No. 272,291. Registered July 1, 1930. N. V. Kristal-, Glas- en Aardewerkfabrieken "de Sphinx" voorheen Petrus Regout & Co., Maastricht, Netherlands, a corporation organized under the Kingdom of the Netherlands. Republished by registrant.



The geographical term "Maastricht" is disclaimed apart from the mark as shown.
For All Ceramic Products in the Most Extensive Sense of Earthenware, Firechay, and Vitreous China—Namely, Dinner Sets, Including Flat Plates, Soup Plates; Dishes, Oval; Round Shallow Dishes, Gravy Dish, Cover Dish, Sauce Tureen and Cover, Sauce Stand and Cover, Sauce Ladle and Cover, Sauce Tureen Complete, Boat Stand for Pickle, Soup Tureen and Cover, Soup Stand and Cover, Soup Ladle and Cover, Salad Bowl, Bakers; Breakfast Sets, Including Cups and Saucers, Muffin Plates, Egg Cups, Plates, Covered Muffin Plates, Sugar Bowls, Milk Pitchers, Dishes; Coffee and Tea Sets, Including Teacups and Saucers, Muffin Plates, Plates, Bowl, Cream Pitcher, Coffeepots, Teapots; Toilet Sets, Including Ewers and Basins, Chambers, Covered Soap Dish, Brush Vase, Sponge Dish, Pail; Flowerpots, Slop Buckets, Vases.
Claims use since the year 1883.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 443,747. Registered Feb. 7, 1950. Automatic Pump & Softener Corporation, Rockford, Ill., a corporation of Illinois. Republished by registrant.

Aqua Matic

The expression "Aqua" is disclaimed apart from the mark as shown.
For Base Exchange Water Treatment Apparatus—Namely, Water Softeners of the Ionic and Zeolite Process Types.
Claims use since about Mar. 1, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 288,370. Registered Oct. 27, 1931. The Spool Cotton Company, New York, N. Y., a corporation of New Jersey. Republished by registrant.

The Selectacolor

For Display Devices for Spools of Thread.
Claims use since Apr. 3, 1930.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 283,902. Registered June 9, 1931. Cotta Transmission Corporation, Rockford, Ill. Republished by Cotta Transmission Company, Rockford, Ill., a copartnership.



For Coal-Burning Stokers and Parts Therefor and Transmissions for Stokers.
Claims use since Dec. 8, 1930.

Reg. No. 290,863. Registered Jan. 19, 1932. Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Republished by Eureka Williams Corporation, Bloomington, Ill., a corporation of Michigan.

GASOMATIC

For Automatically Electrically Controlled and Operated Fuel Heating Systems, Including the Electrically Operated Controls Therefor.
Claims use since on or about Feb. 28, 1929.

CLASS 37

PAPER AND STATIONERY

Reg. No. 286,911. Registered Sept. 8, 1931. Nekoosa-Edwards Paper Company, Port Edwards, Wis., a corporation of Wisconsin. Republished by registrant.

ARTONE

For Bleached Kraft Paper.
Claims use since Sept. 1, 1928.

CLASS 39

CLOTHING

Reg. No. 287,799. Registered Oct. 13, 1931. Gotham Silk Hosiery Company, Inc., New York, N. Y. Republished by Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware.

JUSTIBLES

For Hosiery.
Claims use since May 21, 1931.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 287,841. Registered Oct. 13, 1931. Albert H. Vandam Co. Inc., New York, N. Y. Republished by Riegel Textile Corporation, New York, N. Y., a corporation of Delaware.

MAIN STREET PRINTS

The word "Prints" is disclaimed apart from the mark as shown.
For Cotton Piece Goods.
Claims use since Mar. 12, 1931.

Reg. No. 288,981. Registered Nov. 10, 1931. Howlett & Hockmeyer Co. Inc., New York, N. Y., a corporation of New York. Republished by registrant.

SPORTUROY

For Textile Fabrics—Namely, Corduroys and Velveteens All in the Piece.
Claims use since June 16, 1931.

Reg. No. 291,017. Registered Jan. 26, 1932. Cone Export and Commission Company, New York, N. Y. Republished by Cone Export and Commission Co., Inc., New York, N. Y., a corporation of New York.



The word "Fabrics" is disclaimed apart from the mark as shown. The drawing is lined to indicate a contrasting color.
For Cotton Goods in the Piece—Namely, Printed, Woven, and Piece-Dyed Cotton Fabrics.
Claims use since Jan. 10, 1929.

CLASS 43

THREAD AND YARN

Reg. No. 290,958. Registered Jan. 19, 1932. J. & P. Coats (R. I.) Inc., Pawtucket, R. I. Republished by The Clark Thread Company, Inc., Clarkdale, Ga., a corporation of Delaware.

TRUSEW

For Threads and Yarns.
Claims use since February 1929.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 211,466. Registered Apr. 13, 1926. Falls City Dental Specialty Co., Inc., Louisville, Ky. Republished by Whip-Mix Corporation, Louisville, Ky., a corporation of Kentucky.

WHIP-MIX

For Dental Investment, Dental Stone, and Dental Plaster.
Claims use since July 10, 1925.

Reg. No. 221,621. Registered Dec. 7, 1926. Falls City Dental Specialty Co. Inc., Louisville, Ky. Republished by Whip-Mix Corporation, Louisville, Ky., a corporation of Kentucky.

WHIP-MIX



The words "Mixer" and "Trade-Mark" are disclaimed apart from the mark as shown.
For Dental Investment, Dental Stone, and Dental Plaster.
Claims use since Sept. 1, 1925.

Reg. No. 289,908. Registered Dec. 15, 1931. The Kendall Company, Boston, Mass., and Chicago, Ill., a corporation of Massachusetts. Republished by registrant, present address Boston, Mass.

ARRO

For Gauze Bandage and Adhesive Plaster—Namely, Adhesive Tape.
Claims use since June 24, 1931.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 36,833. Registered July 30, 1901. Stone-Ordean-Wells Co., Duluth, Minn. Republished by Milford Canning Company, Milford, Ill., a corporation of Illinois.

Hiawatha

For Canned Vegetables.
Claims use since about Mar. 6, 1901.

Reg. No. 204,067. Registered Oct. 6, 1925. Ideal Smoked Fish Corp., New York, N. Y. Republished by Linda Foods, Inc., Newark, N. J., a corporation of New York.

QUEEN ESTHER



For Canned Salmon.
Claims use since July 1, 1924.

Reg. No. 218,072. Registered Sept. 21, 1926. Fillmore Citrus Fruit Association, Fillmore, Calif. Republished by Fillmore Lemon Association, Fillmore, Calif., a corporation of California.

ALAMO

For Fresh Citrus Fruits—Namely, Lemons.
Claims use since 1914.

Reg. No. 218,877. Registered Oct. 5, 1926. Charles C. Crawford, doing business as Xlnt Spanish Food Co., Los Angeles, Calif. Republished by Xlnt Spanish Food Co., Los Angeles, Calif., a partnership.

XLNT
BEST ON EARTH
XLNT

For Uncanned Tamales and Canned Products as Follows: Chile Con Carne, Chili Sauce, Chile and Beans, and Spaghetti Cooked or Prepared With Chili and Tomato Sauce.
Claims use since some time in 1894.

Reg. No. 234,131. Registered Oct. 18, 1927. The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey. Republished by registrant.



For Poultry and Stock Feeds.
Claims use since November 1917.

Reg. No. 291,072. Registered Jan. 26, 1932. Joe Lowe Co. Inc., Brooklyn, N. Y. Republished by Joe Lowe Corporation, New York, N. Y., a corporation of Delaware.



The word "Certified" and the lining of the drawing which indicates yellow are disclaimed apart from the mark as shown.
For Dehydrated Whole Eggs, Dehydrated Egg Yolk, and Dehydrated Egg Albumen.
Claims use since about June 1, 1923.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 426,826. Registered Jan. 14, 1947. David E. Kennedy, Inc., Brooklyn, N. Y. Republished by Kentile, Inc., Brooklyn, N. Y., a corporation of New York.

KEN-CLEANER

The word "Cleaner" is disclaimed apart from the mark as shown.
For Cleaner for Asphalt Tile, Rubber Tile, Cork Tile, Cork Composition, and Linoleum.
Claims use since Jan. 1, 1938.

REISSUES

FEBRUARY 26, 1952

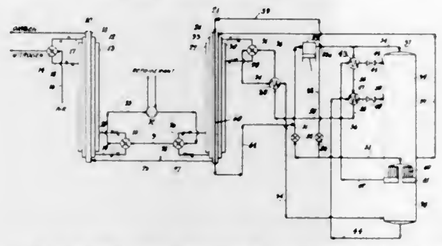
23,463

PROCESS OF PRODUCING OXYGEN

Frank J. Jenny, New York, N. Y., and Edward G. Scheibel, Montclair, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y.

Original No. 2,552,558, dated May 15, 1951, Serial No. 632,859, December 5, 1945. Application for reissue August 3, 1951, Serial No. 240,256

13 Claims. (Cl. 62—175.5)



1. A process for producing oxyygen by the liquefaction and rectification of air, which comprises passing a stream of air through a path in two zones in series, each of said zones containing at least three paths in heat exchange relation with each other, passing respectively streams of oxygen and nitrogen products of rectification through two other paths in said zones in heat exchange relation with the air passing therethrough, cooling at least one of said streams during its flow between the first zone and the second zone, withdrawing the air from the second zone at a temperature such that substantially all carbon dioxide in said air has been removed from the air in its passage through its path in said second zone, maintaining the temperature difference between the temperature of the air leaving and the weighted average temperature of the nitrogen and oxygen entering said second zone so that it falls within the range of from about 5° to about 10° F., passing the air from said second zone to the high-pressure stage of a two-stage rectification system in indirect heat exchange relation with a rectification product from the low-pressure stage of said system, withdrawing a minor portion of the nitrogen from the high-pressure stage, expanding the nitrogen thus withdrawn to cool the same, imparting the cold thus produced to the rectification products entering the low-pressure stage, periodically reversing the flow of air and nitrogen through their respective paths in said zones, the air upon reversal flowing through the paths through which had previously flowed the nitrogen and the nitrogen flowing through the paths through which had previously flowed the air, whereby upon each reversal the nitrogen substantially completely removes the carbon dioxide deposited in said second zone during the preceding step of the process.

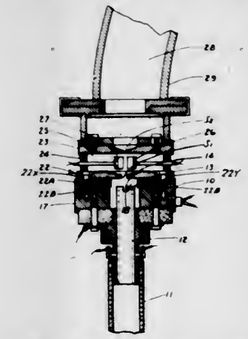
23,464

MASS SPECTROMETRY

Harold W. Washburn, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California

Original No. 2,475,653, dated July 12, 1949, Serial No. 590,917, April 28, 1945. Application for reissue October 26, 1951, Serial No. 253,325

14 Claims. (Cl. 250—41.9)



1. In a mass spectrometer, the combination which comprises an ionization chamber, an inlet electrode disposed within the chamber and having an inner end provided with a passage for admission of molecules into the chamber, the end having a slot transverse to the passage, a second electrode spaced from the inlet electrode, means for producing an electrical propelling potential between the electrodes in the ionization chamber, and means for propelling an electron beam through the slot transverse to the passage.

PLANT PATENTS

GRANTED FEBRUARY 26, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,076

ROSE PLANT

Eldon P. Dering, Scappoose, Oreg., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California

Application December 8, 1950, Serial No. 199,779

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the climbing polyantha class, characterized as to novelty by its general similarity to its parent "Pinkie" (Pl. Pat. No. 712) in form, color and habit of flower, but distinguished therefrom by its more vigorous growing habit as evidenced by its strong, climbing canes, by its production of many more flowers than can usually be found at any one time on its parent bush variety, and by its more nearly continuous flowering habit during the growing season than that of other climbers, substantially as shown and described herein.

PATENTS

GRANTED FEBRUARY 26, 1952

2,586,768

VACUUM TUBE ELECTRODE ELEMENT

Francis E. Bash, Morristown, N. J., assignor to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application February 24, 1949, Serial No. 78,233
6 Claims. (Cl. 313—346)

1. A vacuum tube having electrode elements at least one of which is composed of nickel and traces of rare earth metals.

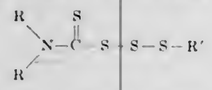
2,586,769

ALKYLTHIOSULFENYL DITHIOCARBAMATES AS VULCANIZATION ACCELERATORS

Chester M. Himel, Palo Alto, Calif., and Lee O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application June 20, 1949, Serial No. 100,293
18 Claims. (Cl. 260—79.5)

10. An improved process for vulcanizing a sulfur-vulcanizable organic plastic substance containing unsaturated carbon to carbon bonds, with sulfur, which comprises admixing with such a substance to be vulcanized, as a vulcanization accelerator and in an amount between 0.05 and 5 parts by weight, per 100 parts by weight of said substance, a compound of the formula



wherein each R is of the group consisting of hydrogen, hydrocarbon radicals, and radicals which together form a divalent radical selected from the group consisting of alkylene and oxaalkylene, said divalent radical forming a heterocyclic ring with the nitrogen, but with not more than one R being hydrogen, and wherein R′ is an alkyl hydrocarbon radical, and vulcanizing the resulting organic plastic substance-accelerator admixture.

2,586,770

STABLE COMBINATION OF CATION- AND ANION-EXCHANGE RESINS

Alexander V. Alm, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 2, 1947, Serial No. 752,006
3 Claims. (Cl. 260—42)

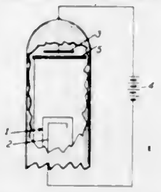
1. A combination of an anion active, granular, water-insoluble, resinous reaction product of epichlorohydrin and an alkylene polyamine in the ratio of at least two mols of epichlorohydrin per mol of polyamine and a cation active granular, water-insoluble, resin which is an alpha-furyl substituted organic sulfonate reacted with and insolubilized by an aldehyde, said combination after standing for at least 24 weeks having a capacity for the removal of ionizable solids from liquid media of at least 7 kilograms as calcium carbonate per cubic foot of cation resin.

2,586,771

PROCESS FOR MAKING SECONDARY EMISSION ELECTRODES

Maurice Arditi, New York, and Walter D. Urban, Queens Village, N. Y., assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application April 6, 1946, Serial No. 660,106
4 Claims. (Cl. 316—22)



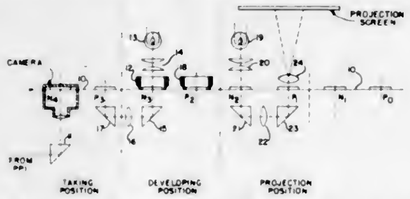
1. In the method of preparing a secondary emission electrode comprised of an alloy for operation in an electron discharge device in which it is impinged upon by an electron stream having given normal operating densities, the steps comprising mounting the electrode in an evacuated container, oxidizing the surface of said electrode, and bombarding the oxidized electrode with an electron stream of high velocity having a relatively greater density than any of said normal operating densities.

2,586,772

PHOTOGRAPHIC SYSTEM FOR MOVING TARGET INDICATION

Robert M. Ashby and James H. Muncy, Cambridge, Mass.

Application March 10, 1947, Serial No. 733,714
19 Claims. (Cl. 343—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



10. Apparatus for producing a comparatively large plot of moving target information from data gathered by a radar system comprising, a screen, means for periodically photographically storing said data, and means for thereafter projecting upon said screen superimposed images of data stored during time separated periods.

2,586,773

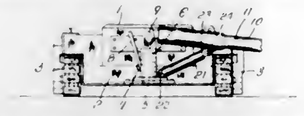
BLAST HOLE DRILLING APPARATUS

Charles F. Ball, Franklin, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania

Application April 4, 1947, Serial No. 739,460
4 Claims. (Cl. 255—51)

1. In a drilling apparatus, the combination comprising a support, a drilling tool, a universal

ball and socket pivotal means for mounting said tool on said support whereby said tool may be pivoted about said support relative to three axes which intersect at the center point of said ball and socket pivot, a counterbalancing weight for said tool for counterbalancing the latter in all of its positions of movement about said axes, one member of said ball and socket pivotal means having oppositely projecting extensions to which



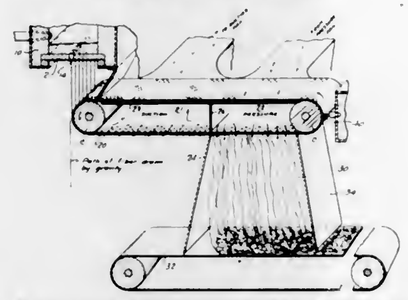
said tool and said counterweight are respectively rigidly secured, whereby said tool and said counterweight always move in unison, the centers of mass of said tool and said weight disposed in a common straight line passing through said center point and so spaced from said center point that the products of the mass of each of said tool and said weight by the length of its moment arm from said point are equal.

2,586,774

APPARATUS FOR DRAWING GLASS FIBERS

Richard R. Bastian, Toledo, and Glenn Berkebile, Waterville, Ohio, assignors to Lucas Development, Inc., Toledo, Ohio, a corporation of Ohio

Application August 6, 1948, Serial No. 42,804
3 Claims. (Cl. 49—17)



1. Apparatus for forming glass fibers flowing downwardly from a supply of molten glass, which comprises a porous endless belt positioned in an approximately horizontal plane and having one end thereof in substantially tangential contact with the downwardly flowing glass fibers, means to drive said belt at a velocity greater than the initial velocity of the glass fibers and in a direction such that the belt is moving in the same direction as the glass fibers at the point of contact, fluid pressure means for holding the glass fibers against the under side of the belt adjacent the contacting end, and additional fluid pressure means oppositely directed through and away from the under side of the belt adjacent the opposite end thereof to remove the glass fibers therefrom.

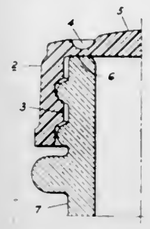
2,586,775

PLASTIC CONTAINER CLOSURE

Joseph A. Benner, Lancaster, and John M. Sharf, Lancaster Township, Lancaster County, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application June 10, 1947, Serial No. 753,706
6 Claims. (Cl. 215—43)

1. A container having applied thereto a closure composed of a polymerized ethylene and having a top portion carrying an annular recess so positioned that the zone of minimum thickness of said top is substantially above the sealing sur-



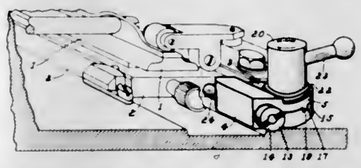
face of said container said minimum thickness being less than half the maximum thickness of said top, whereby an improved seal is obtained.

2,586,776

MATRIX STICK POSITIONING MEANS

William M. Berrick, Baltimore, Md.

Application May 24, 1948, Serial No. 28,962
3 Claims. (Cl. 199—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A matrix stick lock for type casting machines, which includes a plunger housing, a resiliently mounted plunger within the plunger housing, a supporting element for the stick lock, means for effecting an interlocking engagement between the stick lock and its supporting element and means for clamping the stick lock and its supporting element together, the stick lock being positioned adjacent the matrix stick of a type casting machine whereby the said plunger of the stick lock will resiliently engage the matrix stick and hold the same against casual horizontal movement during the normal casting operations of a type casting machine.

2,586,777

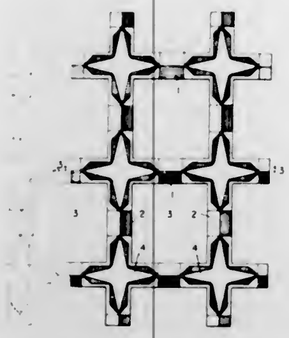
METHOD OF SEPARATING OLEFINS FROM HYDROCARBON MIXTURES

George R. Bond, Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 31, 1947, Serial No. 725,725
2 Claims. (Cl. 260—666)

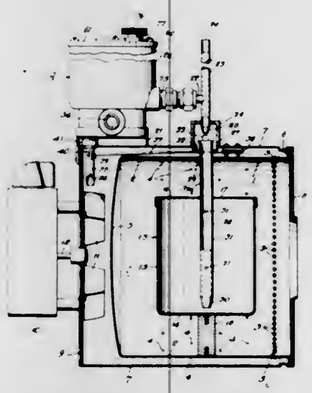
1. The method of removing olefins from low boiling liquid hydrocarbon fractions containing the same, said fractions boiling in the range of up to about 600° F., which comprises contacting such a fraction with vapors of nitrogen tetroxide in quantity approximately sufficient to react with all olefins present in such fraction and at a temperature in the range of 70–100° F. until excess nitrogenous vapors appear, destroying any excess nitrogen tetroxide in the reaction mixture, thereafter steam distilling the reaction mixture, and washing the oil in the distillate with caustic solution to remove therefrom any nitrogenous products present.

2,586,778
DEVICE FOR ORNAMENTALLY SHAPING CLOTH
Charles G. Borchard, Detroit, Mich.
Application December 19, 1949, Serial No. 133,887
8 Claims. (Cl. 41—1)



7. A device for ornamentally shaping cloth, comprising a grid formed with a set of openings having substantially the same shape and size and arranged in a regular pattern, a set of separate weights shaped and proportioned to loosely fit into said openings for indenting portions of a cloth sheet into such openings, each of said weights being formed with a central upstanding shank, facilitating handling of the weights.

2,586,779
POT TYPE BURNER WITH OVERHEAD FEED
James L. Breese, Santa Fe, N. Mex., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application October 5, 1946, Serial No. 701,539
5 Claims. (Cl. 158—91)

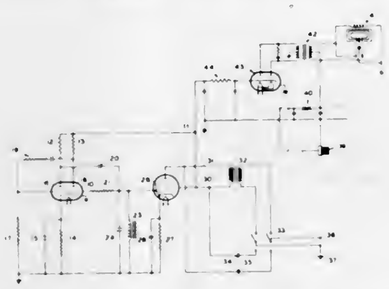


1. In a liquid fuel burner and control means therefor, a burner pot having a plurality of air inlet apertures, spaced circumferentially around the pot and located at various distances from the end of the pot an air housing surrounding said pot, a fan adapted to draw air into said housing from the atmosphere, means for variably controlling the rate of rotation of said fan, said fan having a plurality of blades, a vaporizing container in said pot, a liquid fuel flow control unit, a liquid fuel delivery nozzle connected to receive liquid fuel from said unit, and adapted to deliver liquid fuel to the interior of said vaporizing container, means for delivering air, from the space between said pot and air housing, to the interior of said vaporizing container, and means for proportionately varying the rate of flow of liquid fuel to said container simultaneously with variations in the rate of flow of air to said container, including an air intake duct extending from adjacent the delivery edge of said fan blades to communication with the interior of said liquid fuel flow control unit, means mounting said duct for longitudinal movement, cut-off means in said control unit to prevent further fuel delivery, an actuating connection between said duct and said cut-off means, and a thermostatic element, subjected to the heat of said pot, in actuating relationship with said duct, and arranged to operate said cut-off in response to decreasing temperature.

2,586,780
TREATMENT OF MONTAN WAX
Frederick W. Breuer, Lititz, and David T. Zentmyer, Lancaster Township, Lancaster County, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application August 18, 1949, Serial No. 111,089
12 Claims. (Cl. 106—271)

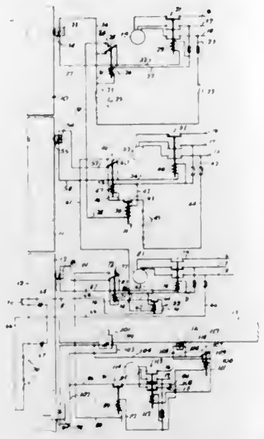
1. A process of producing a hard waxy material from bleached montan wax comprising esterifying a portion of the acid content of the bleached wax using dihydric alcohol, and thereafter esterifying substantially all of the remaining free carboxyl groups with a higher polyhydric alcohol.

2,586,781
LINE FAULT DETECTOR
Cecil L. Brownlow, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 11, 1948, Serial No. 53,925
1 Claim. (Cl. 175—183)



The process of locating an open circuit fault in one conductor of a multi-conductor cable which comprises applying an audible frequency alternating current to one end of one conductor and to ground, grounding a capacitive plate by a circuit containing an indicating device responsive to said audible frequency, grounding separately all of the other conductors in said multi-conductor cable whereby they carry no current and are not in the ground path of said current so they cannot act as floating plates to cause stray fields and erratic operation of said indicating device, moving said capacitive plate longitudinally of and adjacent to said cable, and noting the position of said plate when said indicating device changes in its indications adjacent said fault.

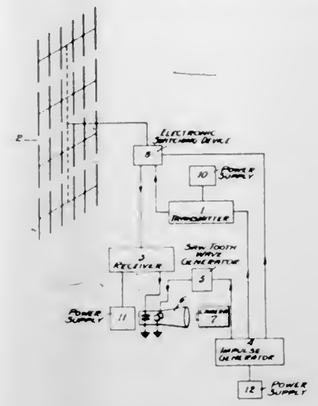
2,586,782
BELT CONVEYER SYSTEM
Roger M. Buckeridge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 7, 1949, Serial No. 86,080
15 Claims. (Cl. 198—82)



1. In an electrical control circuit for a belt conveyor system consisting of an inby conveyor belt unit adapted to discharge onto an adjacent outby conveyor belt unit, an electric motor associated with each of said belt conveyor units for driving said belt conveyor units, a starter associated with an outby unit including a solenoid operated contactor adapted to be energized during starting and normal running of said outby unit, a time delay relay in circuit with said starter during starting, a switch associated with said outby unit and operable in response to running thereof at normal speed, said switch being adapted to maintain said solenoid operated contactor in energized condition when said time delay relay operates at the end of a starting cycle, and a circuit adapted to be closed upon operation of said time delay relay and upon running at normal speed of said outby unit for controlling the starter of an inby belt conveyor unit.

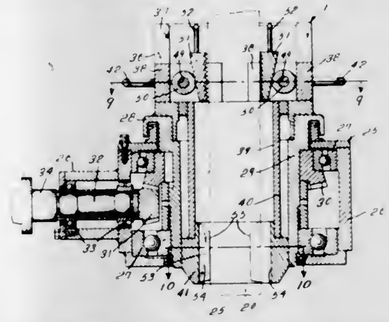
2,586,783
PROJECTILE RADIO LOCATION SYSTEM
Henri Gaston Busignies, Forest Hills, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Continuation of application Serial No. 487,145, May 15, 1943. This application October 28, 1947, Serial No. 782,653. In France February 9, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires February 9, 1960
5 Claims. (Cl. 343—13)

1. In a system for determining projectile trajectories by means of radio wave echoes an indicating device including an antenna, a transmitter for transmitting radio waves of a wavelength to be reflected by said projectile, a receiver, switching means for connecting said antenna alternately to said transmitter and said receiver, a cathode ray oscillograph connected to said receiver, a time-base sweep circuit generator connected to said oscillograph, and an impulse generator connected to, and acting to synchronize said switching means, said transmitter, and said sweep circuit generator, respectively, said device also including suitable sources of power for the respective elements thereof and a



motion picture camera optically coupled to the screen of said oscillograph.

2,586,784
KELLY DRIVE FOR ROTARY DRILLS
Frank M. Capp and Robert E. Adamson, Michigan City, Ind., assignors to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1950, Serial No. 145,836
12 Claims. (Cl. 255—23.2)

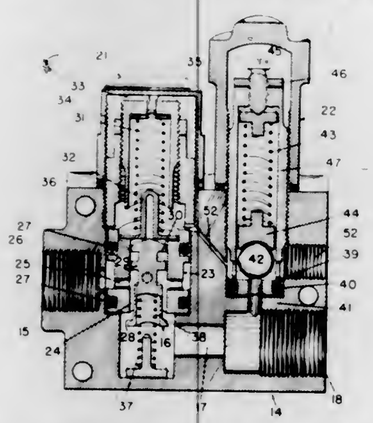


1. In a rotary drilling apparatus, the combination comprising a kelly adapted to rotate a drill bit and composed of kelly sections coupled together in end to end relation, each kelly section having a driver engaging portion and said sections randomly joined together with said driver engaging portions out of alignment, and a rotary driver means having an opening for receiving the misaligned portions of said kelly sections and having axially spaced driving portions providing drive surfaces for respectively drivingly engaging said driver engaging portions of said misaligned portions of said kelly as the latter moves axially therethrough.

2,586,785
HYDRAULIC CONTROL VALVE
George Carr, United States Navy
Application February 15, 1945, Serial No. 577,981
3 Claims. (Cl. 277—60)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

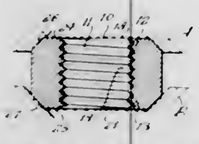
1. A pressure control valve assembly for an aircraft hydraulic system, said assembly comprising

a block having an inlet opening and an outlet opening, an internal passage communicated with one of said openings, and a chamber communicated with the other of said openings and said passage, a shoulder in said chamber intermediate opposite ends thereof, a seat disposed on said shoulder and having an axial bore, a peripheral groove and openings connecting the bore with the groove, a pressure regulating valve member disposed in and arranged to close said bore, said valve member having a seat contacting surface at one end thereof, said seat having a complemental surface at one end thereof to accommodate said valve member surface, a spring located



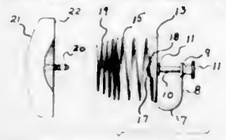
in said chamber at the same end of said valve member as valve member surface and yieldingly urging said valve member toward such position as to place said surfaces in contact with each other, a valve member follower disposed in said chamber and contacted by the opposite end of said valve member, the opposite end of said seat having a land for said follower, yielding means reacting on said follower for opposing the force of said spring, means abutting said yielding means for adjusting the compressive force of said yielding means on said follower, a pressure relief unit in said block, and a passageway connecting the portion of said chamber on one side of said seat with said pressure relief unit.

2,586,786
HOLDING NUT WITH OFFSET THREADED END PORTIONS
Edward J. Cole, Peekskill, N. Y.
Application June 9, 1950, Serial No. 167,120
2 Claims. (Cl. 151—21)



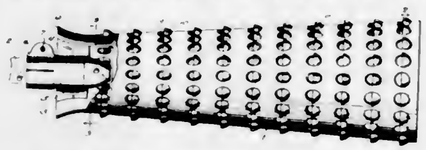
1. In a holding nut, a nut body having a threaded bore opening through the opposite ends thereof, said threaded bore having a plurality of convolutions of the thread at the opposite ends of the bore offset axially inward to substantially lessen but not exceed the tolerance of the nut whereby the nut will freely receive a stud at either end and will grippingly engage the stud when the same is in threaded engagement with the offset convolutions at both ends of the nut.

2,586,787
EARRING CONSTRUCTION
James Conto and Benjamin Alstadt, New York, N. Y.
Application July 28, 1948, Serial No. 41,045
8 Claims. (Cl. 63—14)



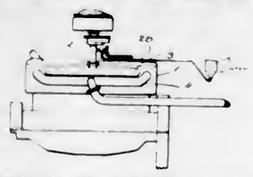
1. An ear-clip construction of the character described comprising a circular plate for lying against the external surface of a wearer's ear lobe, an ear clasping means carried by said plate to coact with one side thereof for retaining the latter in said position against the ear lobe, a tongue carried by said plate on the other side thereof, said tongue having a hooked mid-portion positioned centrally of the last mentioned plate side for releasably engaging an eye of an ornamental button, and a helical compression spring carried by said plate and positioned to extend from said other plate side with the axis of the spring passing substantially through said hooked mid-portion.

2,586,788
AIR-COOLED EXHAUST MUFFLER WITH FRUSTO-CONICAL BODY
Walton W. Cushman, Webb City, Mo.
Application January 26, 1948, Serial No. 4,221
4 Claims. (Cl. 181—43)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



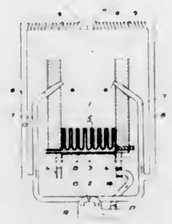
1. A muffler comprising an interiorly unobstructed, hollow, open-ended frusto-conical body provided with an outwardly-flared portion on its smaller end, means for securing the smaller end of the body to the end of the exhaust pipe of an engine in axial alignment therewith and with the wall of the smaller end spaced radically outward of the wall of the exhaust pipe, the wall of said body provided with a plurality of apertures, and means for directing air inwardly through said apertures.

2,586,789
WATER INJECTOR AND METHOD
Walton W. Cushman, Webb City, Mo.
Application February 17, 1948, Serial No. 8,902
18 Claims. (Cl. 123—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of injecting water into the fuel entering an internal combustion engine which comprises providing a supply of water, taking fluid pressure from a combustion chamber of the engine, and using such pressure for injecting water into the fuel.

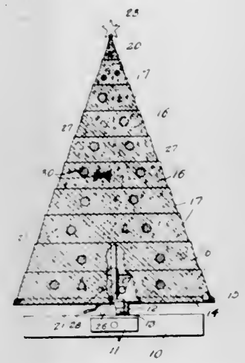
2,586,790
METHOD AND APPARATUS FOR COMBUSTING FINELY DIVIDED LOW SINTERING TEMPERATURE FUEL
David Dalin, Ronninge, and Tore Johannes Hedbäck, Sodertalje, Sweden
Application July 8, 1946, Serial No. 682,050
In Sweden July 14, 1945
6 Claims. (Cl. 110—28)



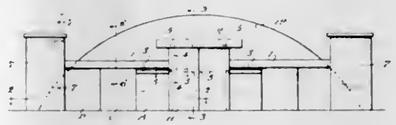
1. A furnace for combusting finely divided particles of high-ash fuel, which particles range in size from powder to relatively coarse screenings, said furnace comprising: means defining a combustion chamber; nozzle means for injecting fuel particles of the character described, entrained in combustion air, into said chamber near the top thereof and in substantially even distribution throughout the horizontal cross-sectional area of the chamber; an ashpit below the combustion chamber and in communication therewith; grate means above the ashpit and below the combustion chamber; means for introducing combustion air into the combustion chamber from below the grate means to enable the smallest fuel particles introduced into the combustion chamber to be combusted in suspension and to provide for complete combustion of the remaining particles on a fuel bed of substantial height on said grate in the course of downward movement of such particles from the top of said fuel bed to the grate; and a plurality of vertical finger-like coils disposed at laterally closely spaced intervals in the portion of the bottom of the combustion chamber adapted to be occupied by the fuel bed and extending vertically substantially throughout the normal fuel bed height of the combustion chamber and through which coolant fluid is adapted to be circulated in indirect heat exchange relation with fuel in all parts of the bed in quantities and at a rate sufficient to maintain the temperature of such fuel below its sintering point.

2,586,791
ARTIFICIAL CHRISTMAS TREE
Austin Dattilo, Hammonton, N. J.
Application March 16, 1950, Serial No. 149,941
4 Claims. (Cl. 41—15)

1. An artificial Christmas tree comprising a cone-shaped cap section, a bottom tapering section and a plurality of annular tapering intermediate sections of progressively reduced diameters arranged in vertically extensible interfitting relation to each other and to the cap and bottom sections, each section having an upwardly and inwardly inclined wall, a base, a central bracing rod supported by said base and having an upper end fitting snugly within the cap section, locking means engaging the upper end of the bracing rod and cap section for locking the cap section upon the bracing rod, a base plate vertically adjustable upon said base and supporting said bottom section and having means for holding said bottom section against lateral displacement, the base plate and locking means being selectively adjustable toward and away from the base to insure a binding tight fitting action between the adjacent extensible interfitting sections in a manner whereby the sections will hang upon and are suspended from each other, the cap section being locked upon the bracing rod, the weight of the sections binding the sections together through a frictional grip by the pull of gravity, the bottom section contacting the base plate and being held against lateral displacement thereon to hold all of the parts of the entire assembly in rigid relation with respect to the base, and the vertical adjustment of the base plate being adapted to release the frictional grip between the sections to facilitate the collapsing of the extensible sections.



2,586,792
DOOR CLOSURE
Louis Davidson, Oceanside, N. Y.
Application October 17, 1947, Serial No. 780,442
11 Claims. (Cl. 20—19)



1. In combination, a building having a continuous opening of different heights, and a plurality of leaves forming a door for closing said opening, said leaves being of different heights and when in position of closing said opening being supported at different height levels to maintain them in substantially vertical positions and as so supported to have them resistant to wind and storm pressures, a support near the base of each leaf, and supports carried by said building at different height levels for engaging the several leaves at point levels above said first point of support for assisting and maintaining said leaves in their substantially vertical positions.

2,586,793

METHOD OF PREVENTING INFECTION BY COCCIDIA BY EMPLOYING A BROMO-ALKENE

Alfred E. Doty, Saginaw, Julius E. Johnson, Jr., Midland, Dorsey R. Mussell, Clare, and Mark A. Wolf, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application March 14, 1947, Serial No. 734,874

5 Claims. (Cl. 167—22)

1. A method for preventing the infection of domestic animals and poultry by coccidia which includes the steps of treating the soil, litter, pens, and housing associated with such animals and poultry with a synthetic bromo-alkene of high vapor pressure and having the formula,

$$C_nH_{2n-x}Br_x$$

wherein n is an integer from 3 to 4, inclusive, and x is an integer from 1 to 2, inclusive, in an amount sufficient to provide a concentration of at least 0.5 gram of the bromo-alkene per square foot of area treated, and thoroughly airing the treated surfaces.

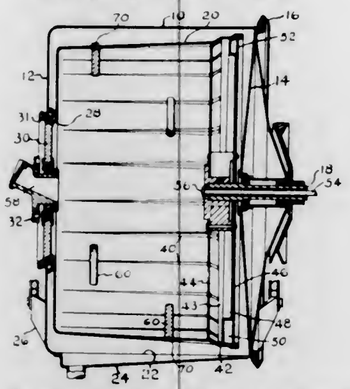
2,586,794

LAUNDRY MACHINE TUMBLING DRUM

Peyton W. Douglas, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware

Application November 21, 1947, Serial No. 787,445

12 Claims. (Cl. 68—142)



11. A drum for use in laundering apparatus having a substantially cylindrical wall and end walls, and a plurality of individual vanes secured to the inside surface of said substantially cylindrical wall, said vanes being of substantially equilateral triangular shape and lying in transverse planar relation to the drum axis, each of said vanes having substantial thickness and rounded leading and trailing edges and a rounded innermost extremity.

2,586,795

PNEUMATIC TIRE

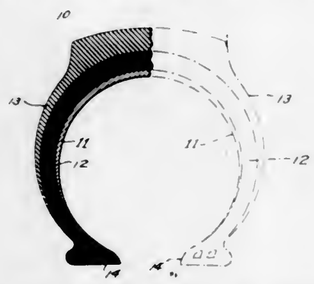
Nicolas Drisch and Roland Brepson, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter, Port of Guernsey, Channel Islands, a corporation of Great Britain

Application May 29, 1948, Serial No. 30,155

In Great Britain May 11, 1948

1 Claim. (Cl. 152—359)

A pneumatic tire containing as reinforcing textile material cords of viscose rayon filaments the said cords having a tenacity of at least 3 gm./denier and a vibration fatigue resistance greater than 22 and the said filaments having in the air-dry condition a tenacity greater than 4.8 gm./denier, and an elongation at breaking point of at least 8%, said filaments being obtained by extruding into a bath of sulphuric acid at normal room temperature a viscose prepared from cellulose containing less than 25% by weight of



molecular chains with a degree of polymerization below 500 and less than 4% by weight of molecular chains with a degree of polymerization below 250, said viscose being prepared via alkali-cellulose of which the mean degree of polymerization after ripening is greater than 450, which viscose has a degree of xanthogenation (γ) between 40 and 50, the concentration of sulphuric acid in the said bath being defined by the formula:

Percentage concentration by weight of sulphuric acid$=1.26\gamma+8\pm3$

thereafter subjecting the extruded filaments to a stretching operation to increase their length by 150 to 280% while they are still wet from the spinning bath, washing the filaments in a more dilute acid bath and allowing them to relax while still in the acid condition, and then winding and twisting the filaments thus obtained.

2,586,796

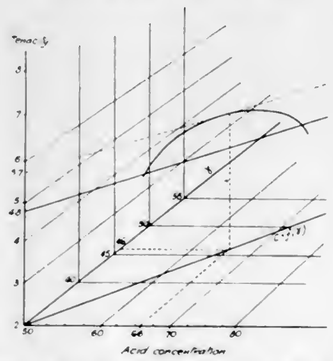
PRODUCTION OF VISCOSE RAYON

Nicolas Drisch and Roland Brepson, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter, Port of Guernsey, Channel Islands, a corporation of Great Britain

Application July 14, 1950, Serial No. 173,924

In Great Britain May 11, 1948

24 Claims. (Cl. 18—54)



1. Process for the production of high quality viscose rayon filaments having in the air-dry condition a tenacity greater than 4.8 g. per denier and

an elongation at the breaking point greater than 8% which process comprises extruding into a bath of sulphuric acid at normal room temperature a viscose prepared from cellulose containing less than 25% by weight of molecular chains with a degree of polymerisation below 500 and less than 4% by weight of molecular chains with a degree of polymerisation below 250, said viscose being prepared via alkali cellulose of which the mean degree of polymerisation after ripening is greater than 450, which viscose has a degree of xanthogenation (γ) between 40 and 50, the concentration of sulphuric acid in the said bath being defined by the formula:

Percentage concentration by weight of sulphuric acid$=1.26\gamma+8\pm3$

thereafter subjecting the extruded filaments to a stretching operation to increase their length by 150–280% while they are still wet from the spinning bath, washing the filaments in a more dilute acid bath and allowing them to relax while still in the acid condition and winding or winding and twisting the filaments thus obtained.

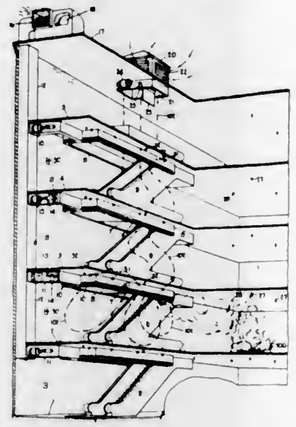
2,586,797

FIRE PROTECTION SYSTEM

James Dunlop, Camp Gaw, and Edwin Forrest Durang, West Orange, N. J., assignors of one-half to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania and one-half to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application June 21, 1947, Serial No. 756,140

22 Claims. (Cl. 169—2)



1. A system for protecting one portion of a building against fumes from a fire in another portion having an opening connecting it to the first named portion, said system comprising; a collection duct in said other portion adjacent said opening; an exhaust fan having its inlet connected to said duct and its outlet discharging outdoors; operating means for said fan; an air intake on said one portion side of said opening; and means for causing operation of said fan operating means when such fire occurs to draw air through said opening from said air intake into said other portion to create a draft through said opening to oppose the fumes and with said fumes entrained therewith into said duct and to discharge said air and fumes outdoors.

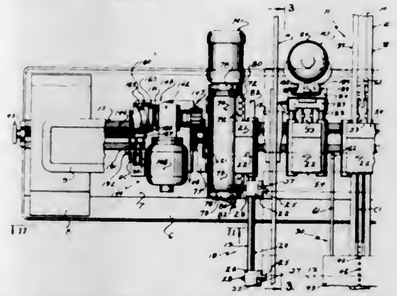
2,586,798

AUTOMATIC MORTISING AND TENONING MACHINE

Henry J. Eck, Oshkosh, Wis., assignor to The Bell Machine Company, Oshkosh, Wis., a corporation of Wisconsin

Application November 13, 1946, Serial No. 709,540

9 Claims. (Cl. 144—87)



1. In a dovetailing machine: a stationary work support; a cutting head including a series of cutters constrained to rotate on parallel axes lying in a common plane; means mounting the cutter head for movement from a mortise cutting position at which the common plane of the cutter axes is normal to the flat sides of work on the work support to a tenon cutting position at which the plane of the common axes of the cutters is parallel to the flat sides of work on the support; means for selectively locking the cutter head in either one of said two positions; and alternate drive means connected with said cutting head for selectively imparting either bodily reciprocatory motion thereto in a direction toward and from work held in a fixed position on the work support to effect mortise cutting when the cutting head is in its mortise cutting position, or for moving said cutting head bodily with an orbital motion in a path normal to said reciprocatory travel of the head to effect tenon cutting when the cutting head is in its tenon cutting position.

2,586,799

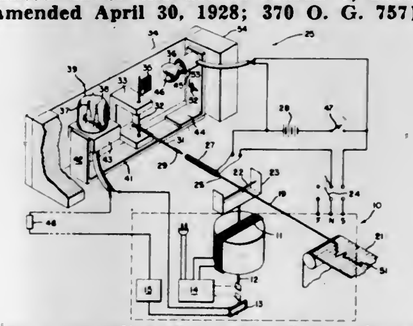
DRIFT CONTROLLED FLUXMETER

Paul F. Elarde, Westchester, Ill.

Application June 10, 1948, Serial No. 32,248

13 Claims. (Cl. 346—32)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. In a recording fluxmeter of the character disclosed, a torsionless coil, a circuit including said coil, a recording pen adapted to be moved variably by said coil in accordance with the electromotive forces generated in said circuit, a thermocouple tube having a pair of junctions connected electrically opposing in said circuit, a

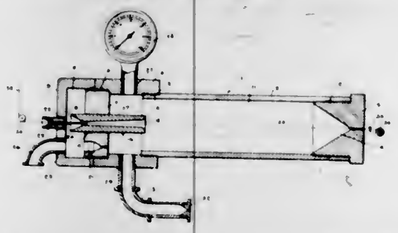
light source for casting rays of light equally on said junctions, a pivoted flag interposed between said tube and said light source so as to cause a shadow to fall between said pair of junctions when the flag is in an initial position and to cause the shadow to lengthen over one of the junctions selectively in accordance with the direction of movement of the flag away from the initial position thereby to cause the tube to inject into said circuit an electromotive force of a magnitude proportional to the amount of pivotal movement of the flag away from said initial position and of a polarity controlled by the direction of the movement thereof, a coil of wire carried by said pen for movement therewith, an element of magnetic material carried by said flag for movement therewith and arranged in close proximity to said coil whereby the flag is caused to follow the movement of the pen in response to the magnetic attraction between the coil and the element when the coil is energized, and means including a switch for energizing the coil thereby to couple the flag to the pen while the switch is closed.

2,586,800

APPARATUS FOR THE TREATMENT OF FILAMENTARY MATERIALS

William J. Elvin and Luther A. Warren, Frostburg, Md., assignors to Celanese Corporation of America, a corporation of Delaware

Application October 23, 1946, Serial No. 705,122
1 Claim. (Cl. 68—5)



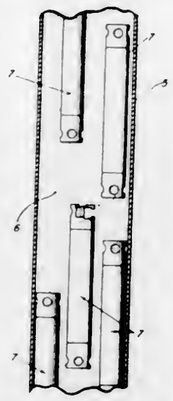
Apparatus for treating a running yarn comprising a substantially closed vessel including an end chamber having a restricted yarn entrance orifice for introducing yarn into said end chamber and a treating chamber having a restricted yarn outlet orifice for leading yarn out of said treating chamber, means for supplying fluid under pressure into said end chamber only, a plug in said vessel separating said end chamber and said treating chamber, an injector tube extending through said plug from said end chamber to said treating chamber and having a constricted passageway therein, and a tube connected to said yarn entrance orifice and extending beyond the constricted portion of the passageway in the injector tube for guiding the yarn into the treating chamber, said plug having a tapered opening extending therethrough between the end chamber and the treating chamber and having its smaller end opening into the treating chamber, the flow of fluid from said end chamber into said treating chamber through the constricted passageway in said injector tube carrying the yarn from said end chamber into said treating chamber, and said treating chamber having a second outlet orifice through which a stream of fluid flows continuously from said treating chamber whereby a larger volume of fluid can be passed from the end chamber through the injector tube and into the treating chamber than can be exhausted from the treating chamber through the yarn outlet orifice.

2,586,801

INCENDIARY BOMB

Robin B. Epler and David L. Woodberry, United States Army, assignors to the United States of America as represented by the Secretary of War

Application August 27, 1942, Serial No. 456,337
9 Claims. (Cl. 102—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



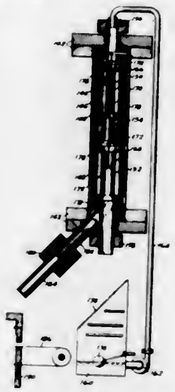
8. An incendiary bomb having therein a filler of an incendiary and smoke-producing composition and a plurality of individual incendiary units dispersed and embedded in said filler, each of said incendiary units including a charge of smoke producing material.

2,586,802

ICE-MAKING APPARATUS

Crosby Field, Brooklyn, N. Y., assignor to Flakice Corporation, Brooklyn, N. Y., a corporation of Delaware

Application August 30, 1946, Serial No. 693,994
7 Claims. (Cl. 62—106)



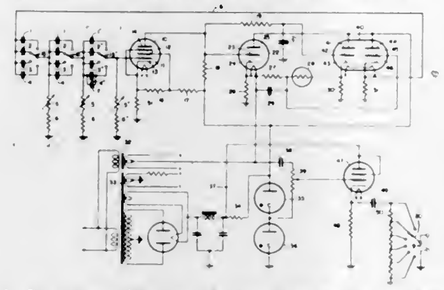
1. In ice-making apparatus, the combination of, a vertical freezing tube construction comprising a rigid outer shell having top and bottom plates at the ends thereof and a concentrically positioned freezing tube projecting through said shell, said construction having insulating material in the annular space between said shell and said tube forming a plurality of evaporator chambers around spaced zones of said tube, said tubes being of different diameters at said zones whereby laminae of different diameters may be formed simultaneously, means to harvest the ice of smaller diameter and to automatically nest it in the ice of larger diameter while the freezing operation is continued on the ice of larger diameter, whereby the ice of smaller diameter is frozen to the ice of larger diameter to form a composite ice body, and means to harvest the ice body.

2,586,803

OSCILLATOR

Lawrence Fleming, Falls Church, Va.

Application September 10, 1947, Serial No. 773,284
27 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



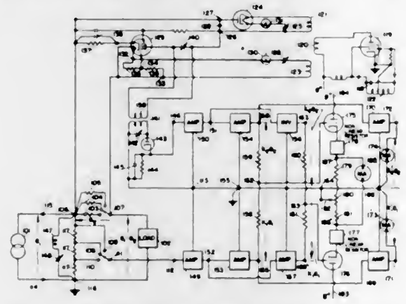
1. In an oscillator of the character disclosed, in combination, an electron discharge tube having a predetermined amplification factor and having output and input circuits therefor, means including an R-C phase shifting network for applying a feedback voltage from said output circuit to said input circuit in such a manner as to cause the generation of an oscillating voltage in said electron discharge tube, variable impedance means included in said feedback voltage applying means between said phase shifting network and said output circuit and responsive to excursions in said oscillating voltage for controlling the amplitude of oscillation thereof, and means included in said feedback voltage means for isolating said R-C phase shifting network from variations in the impedance of said variable impedance means.

2,586,804

SYSTEM FOR MEASURING ELECTRICAL QUANTITIES

John M. Fluke, United States Navy

Application October 16, 1945, Serial No. 622,668
22 Claims. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



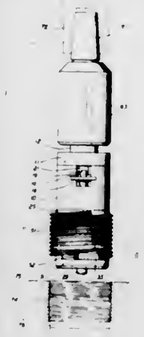
2. A device for producing an output proportional to the power drawn by an alternating current load supplied by grounded and ungrounded terminals comprising a series resistor associated with said ungrounded terminal, modulator means associated with said series resistor, a source of power at carrier frequency associated with said modulator and inductively coupled thereto, said modulator arranged to modulate a carrier signal with the signal derived from said series resistor, a demodulator, inductive coupling means between said modulator and said demodulator, a first amplifier excited by the output of said demodulator, a potentiometer across said load acting to produce a voltage proportional to said load voltage, a second amplifier excited by said proportional voltage, a resistor network fed by said first and second amplifiers, said network producing voltages proportional to the sum and difference respectively of the output voltages of said amplifiers, a first non-linear resistor excited by said voltage sum, a second non-linear resistor excited by said voltage difference, said non-linear resistors serving to allow passage of currents proportional to the squares of their applied voltages, direct voltage biasing means in series with said non-linear resistors and output means associated with said non-linear resistors and responsive to the average of the difference of the currents flowing through said non-linear resistors respectively.

2,586,805

INSERTING TOOL FOR TANGLESS COILS

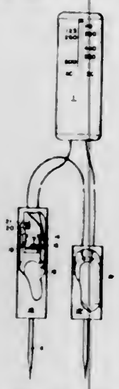
John O. Forster, Long Island City, N. Y., assignor, by mesne assignments, to Heli-Coil Corporation, Long Island City, N. Y., a corporation of Delaware

Application March 2, 1949, Serial No. 79,260
9 Claims. (Cl. 10—1)



1. A tool for inserting cylindrical wire coils in tapped holes comprising a cylindrical body including means to apply a torque thereto, said body being provided with a first recess in its periphery, an element reciprocably mounted to said body within said first recess so as to be projectable from and retractable within the periphery of said body, said element including an outer rim bordering a second recess of said element so that when said element is projected there is an entrance into said second recess between said outer rim and the periphery of said body for an end convolution of a coil into which the tool has been inserted, and means interiorly of said body and in engagement with said element to reciprocate the latter, thereby to clamp said convolution having entered said second recess between said rim and said body when said element is at least partly retracted.

2,586,806
POTENTIAL INDICATOR WITH AUDIBLE CIRCUIT TESTING PROD
Clarence B. Fowler, Washington, D. C.
Application May 3, 1948, Serial No. 24,896
3 Claims. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a voltage testing device, the combination of a pair of test prods, a tubular handle secured to each of said test prods, a vibratory means mounted in one of said tubular handles, said vibratory means having an oscillating element adapted to strike the walls of said tubular handle, means connecting said test prods and said vibratory means in series with each other, and means on each of said test prods adapted to be connected to a calibrated voltage indicator whereby the same and said vibratory means are connected in parallel across said test prods, the passage of current through said test prods being indicated by vibration of the said handle walls.

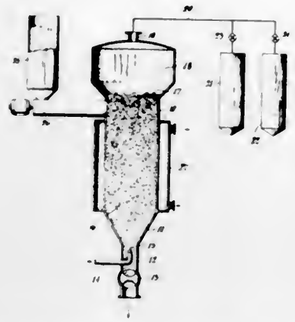
2,586,807
GUN SIGHT
Ora S. Fowler, Denver, Colo.
Application October 7, 1946, Serial No. 701,764
6 Claims. (Cl. 33—47)



1. A gun sight for shot guns or the like comprising a frustro-conical tube adapted to be mounted on the top surface of a gun barrel, said tube having its end of greatest diameter facing the forward end of the barrel, a plurality of hairlines mounted in and crossing said tube and forming a visual pattern, and said visual pattern and the walls of the tube covering substantially the same area as the shot pattern from said gun barrel at normal ranges.

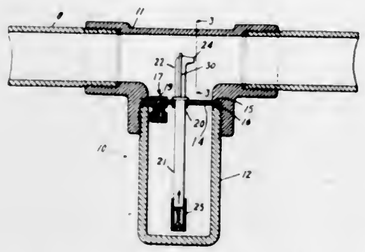
2,586,808
NICOTINIC ACID PRODUCTION
Walter G. Frankenburg, Millersville, Pa., assignor to General Cigar Co., Inc., New York, N. Y., a corporation of New York
Application November 1, 1947, Serial No. 783,553
15 Claims. (Cl. 99—2)

1. In the conversion of tobacco nicotine to nicotinic acid, the improvement which comprises reacting said nicotine while still in the tobacco with an oxygen-containing gas and moisture at a temperature effecting simultaneously fermentation of said tobacco, continuing the reaction and simultaneous fermentation until said nicotine



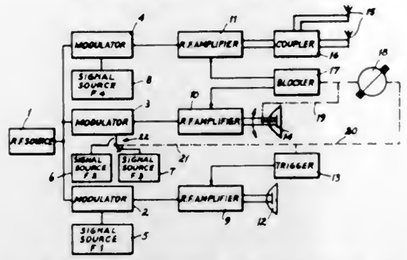
has been substantially completely consumed and the smoking qualities of said tobacco have been destroyed, and thereafter recovering the resultant nicotinic acid from the thus fermented tobacco.

2,586,809
SYSTEM FOR DISPENSING A FIRE-EXTINGUISHING MEDIUM
Walter H. Freygang, Essex Fells, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application May 7, 1946, Serial No. 667,838
2 Claims. (Cl. 169—11)



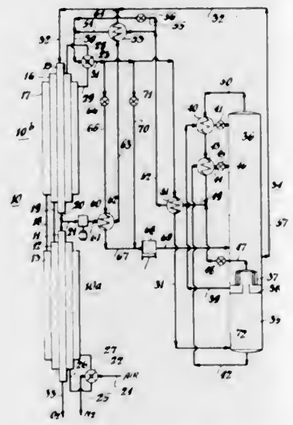
1. In a fluid dispensing system for an enclosure subject to a fire hazard, the combination of a container for storing a fluid medium adapted to be discharged under pressure, means for said container adapted to control the release of the medium therefrom, a discharge conduit connected for conducting the medium from said container into the enclosure, a receptacle for storing a fluid odorant having an inlet and an outlet in fluid flow communication with said conduit, normally closed means in said inlet operable by the pressure of the medium to effect unclosing thereof whereby pressure is exerted on the odorant, normally closed means in said outlet operable by the odorant when pressure is exerted thereon to effect unclosing thereof, whereby odorant is directed through said outlet into said conduit, said normally closed means serving to confine the odorant in said receptacle to prevent odorizing of said conduit prior to release of the medium into said conduit, and baffle means in said conduit positioned for establishing a low pressure area adjacent said outlet.

2,586,810
LOCALIZER AND GLIDE PATH SYSTEM
Alexander Frum, Far Rockaway, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 21, 1947, Serial No. 781,165
26 Claims. (Cl. 343—106)



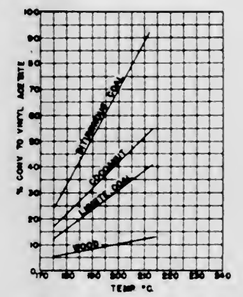
1. In a radio direction finding system, in combination, means for producing a first directive beam radiation, means causing said beam to oscillate between predetermined limits whereby a first pulse will be transmitted to a craft positioned within said limits, means for producing a second radiation adapted to be transmitted to said craft, and means causing said second radiation covering the area within said limits to be transmitted intermittently to the craft to provide a second pulse, the spacing between said pulses being characteristic of the angular deviation of the craft from a predetermined line of reference.

2,586,811
PROCESS FOR PRODUCING OXYGEN
Paul W. Garbo, Freeport, N. Y., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey
Application November 1, 1947, Serial No. 783,551
19 Claims. (Cl. 62—175.5)



1. A process for producing oxygen by the liquefaction and rectification of air, which comprises passing a stream of rectification product through a path in a heat exchange zone, passing a stream of air through another path in said heat exchange zone, cooling the air to a temperature close to its condensation point at the pressure prevailing in the air flow path in said heat exchange zone and effecting substantially complete removal of carbon dioxide from the air in its passage through said heat exchange zone, subjecting the thus cooled air to rectification to produce said rectification product stream, periodically reversing the flow of the air stream and the said rectification product stream through their respective flow paths in said zone, passing a second stream of rectification product through a path extending through at least the colder end of said heat exchange zone in heat exchange relation with the air and the first-mentioned stream of rectification product passing therethrough, recirculating a portion of said second stream of rectification product leaving said last-mentioned path through said last-mentioned path, and withdrawing a portion of the recirculated stream of rectification product as product uncontaminated by carbon dioxide removed from the air stream.

2,586,812
ZINC ACETATE ON DEVOLATILIZED COAL
Willard H. Gehrke, Menasha, Wis., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Original application August 16, 1947, Serial No. 769,053. Divided and this application March 29, 1949, Serial No. 85,170
4 Claims. (Cl. 252—431)



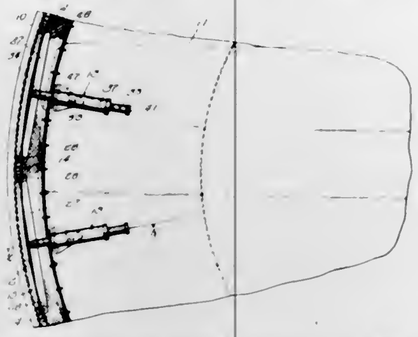
RELATIVE ACTIVITY OF VARIOUS CARRIERS IMPREGNATED WITH ZINC ACETATE FOR VINYL ACETATE PRODUCTION

1. A catalytic material suitable for the catalytic vinylation of acetic acid to vinyl acetate essentially comprising 20% to 35% by weight of zinc acetate upon a carrier composed of particles of devolatilized, steam activated bituminous coal, which carrier has from 20% to 25% ash content.

2,586,813
FLOATING ROOF SEAL
Fred L. Goldsby, Westfield, N. J., and Clifford M. Orr, Western Springs, Ill., assignors to Chicago Bridge & Iron Company, a corporation of Illinois
Application March 31, 1951, Serial No. 218,642
15 Claims. (Cl. 220—26)

1. A seal for a floating roof tank or the like, comprising a sealing ring of flexible sheet metal to be located around the floating roof, a plurality of circumferentially spaced substantially vertical flexures formed in said ring and extending in the aggregate from a point near one edge to a point near the other edge of the ring to render said sealing ring differentially expansible horizontally and rigid vertically, the portion of the ring between adjacent pairs of flexures constituting a shoe extending substantially from one marginal edge of the ring to the other marginal edge

and adapted to have rubbing engagement with the shell of the tank, and said shoe having a

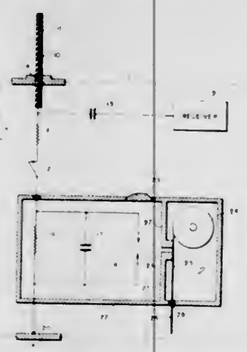


radius of curvature when unrestrained differing from the radius of curvature of the shell.

2,586,814
MOLD COMPOSITION FOR PRECISION CASTING AND METHOD OF FORMING MOLD
Herbert Greenewald, Jr., Haddonfield, N. J.
No Drawing. Application May 18, 1949, Serial No. 94,055
4 Claims. (Cl. 22—188)

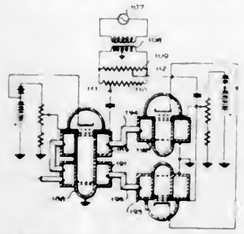
1. A mold composition consisting essentially of a mixture of 85% to 98% by weight of silica flour and 15% to 2% by weight of bentonite, the silica flour having a particle size predominantly finer than 200 mesh, and from 10 to 20 parts by weight of water added to 100 parts of the mixture, the water content being more important to the strength of the mold than the clay content.

2,586,815
INSULATION BREAKDOWN INDICATOR AND RECORDER
Ross Gunn, Washington, D. C.
Application March 10, 1947, Serial No. 733,710
9 Claims. (Cl. 177—311)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



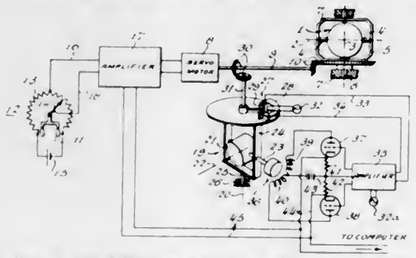
1. In combination, an antenna surrounded by insulating material, means for developing a voltage in response to abnormal current flow in said antenna resulting from electrical breakdown of said insulating material, means responsive to said voltage for producing an audio frequency signal and means for receiving said audio frequency signal.

2,586,816
HIGH-FREQUENCY MODULATING SYSTEM
William W. Hansen and Russell H. Varian, Garden City, N. Y.; Olive D. Ross, executrix of said William W. Hansen, deceased, assignor to The Sperry Corporation, a corporation of Delaware
Application March 24, 1945, Serial No. 584,660
13 Claims. (Cl. 332—25)



13. In combination, a pair of coupled cavity resonators, means aligned with said resonators for projecting an electron stream through said resonators to produce oscillations therein, means adjacent said resonators for producing a pair of auxiliary electron beams, means intercoupling said last named means with said resonators for coupling said auxiliary beams respectively to said resonators, and a pair of control electrodes, each control electrode being located in one of said auxiliary beams for controlling the density of the electron stream therein.

2,586,817
STABILIZATION SYSTEM FOR GUNFIRE CONTROL APPARATUS AND THE LIKE
Herbert Harris, Jr., Cedarhurst, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application November 20, 1945, Serial No. 629,859
5 Claims. (Cl. 318—489)

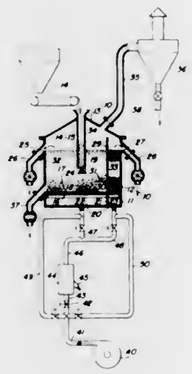


1. In a stabilizing system for a first body mounted for stabilization about an axis of support on a second movable body, a servomotor for turning said first body about said axis, a source of first control signal and an amplifier responsive thereto for controlling said servomotor, a gyroscope, means for causing said gyroscope to precess at a rate corresponding to the rate of turn of said first body, means for deriving a second signal proportional to the rate of precession of said gyroscope, and means for applying said second signal to said amplifier in bucking relation to said first signal.

2,586,818
PROGRESSIVE CLASSIFYING OR TREATING SOLIDS IN A FLUIDIZED BED THEREOF
Viggo Harms, New York, N. Y.
Application August 21, 1947, Serial No. 769,842
37 Claims. (Cl. 259—4)

1. An apparatus of the class described comprising an enclosing casing having a substantially

horizontally-extending partition with apertures therethrough for thereby providing a gas-flow constriction member for supporting an ever-changing body of solids thereupon and dividing the interior of the casing into an underlying gas-receiving compartment and a compartment wherein there is maintained said ever-changing bed of solids that in turn is overlain by a free-board space for receiving gases passing from the bed upwardly thereinto; a transversely- and a vertically-extending partial partitioning means within said casing extending downwardly into said bed and having a lower portion thereof terminating above but in vertical spaced relationship with respect to said constriction member and dividing the bed-containing region into a main operating compartment and a subsequent compartment into which there laterally pass solids from a low region of the operating compartment through the low open area left between the lower end of said partial partitioning means and top portion of said constriction member; means for supplying and delivering gaseous medium under pressure into said gas-receiving compartment; dust-separating means installed with



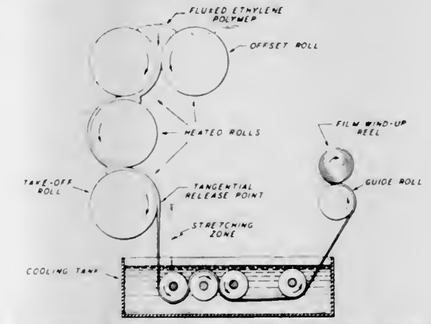
respect to said casing for receiving dust-laden gaseous medium passing thereinto from the free-board space above said ever-changing bed; means for passing separated-out dust from said dust-separating means as fine solids passing therefrom; a discharge pipe constituting a solids-discharge conduit leading from said operating compartment and provided for the passing of solids from said operating compartment to a region outside of the apparatus; a second discharge pipe constituting a solids-discharge conduit leading from said subsequent compartment and provided for the passing of solids from said subsequent compartment to a region outside of the apparatus, the upper end of which said second pipe is provided with a solids overflow weir at elevation above that of the lower end of said partition but lower than that of the upper edge of said partition; and means for delivering solids material into the operating compartment as feed for the ever-changing bed therein; the gas supplied into the gas-receiving compartment below the partition being of sufficient pressure and quantity for maintaining the ever-changing bed in a fluidized condition according to which the solids of the bed cause the surface level thereof to take on an appearance simulating boiling liquid.

2,586,819
BUTTON FASTENER
Joseph T. Hayden, Philadelphia, Pa.
Application August 14, 1947, Serial No. 768,634
6 Claims. (Cl. 24—106)



1. A fastener comprising a retaining portion, a locking finger extending from said retaining portion; a retaining member; said retaining member comprising means to receive said locking finger, and a leaf-spring latch adapted to limit displacement of said locking finger from said retaining member; and means to prevent displacement of said leaf spring latch beyond the elastic limit thereof, and to confine movement of said latch substantially to a locus which intercepts a path traversed by said locking finger during the insertion of said locking finger into said retaining member.

2,586,820
POLYETHYLENE FILM MANUFACTURE
William F. Hemperly, Westfield, and Nelson R. Smith, Somerville, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application June 26, 1948, Serial No. 35,366
5 Claims. (Cl. 18—47.5)

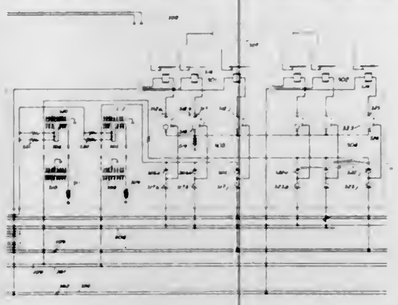


1. Process for producing plastic film from a normally solid polymer of ethylene containing a small amount of a release agent which comprises the steps of calendering a normally solid ethylene polymer at a temperature above its softening point, forming on the calender's take-off roll a sheet of the polymer, removing the sheet from said roll while said sheet is at a temperature above its softening temperature, longitudinally stretching the removed sheet to reduce its thickness while it is maintained at above its softening temperature, and then immediately chilling the stretched sheet to a temperature less than 80° C. while maintaining said tension on said sheet.

2,586,821
SELECTIVE SIGNALING SYSTEM USING RECTIFIERS BACK TO BACK
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 18, 1949, Serial No. 77,077
11 Claims. (Cl. 177—353)

2. In a signaling system, a source of alternating current, means for generating a group of im-

pulses in each of a plurality of successive time periods, means for distributing the impulses of each time period to individual conductors, a common conductor, means for selectively sending impulses of a time period over said common conductor and means for identifying the position in the group of said selective pulses comprising a plurality of detectors, one for each impulse of a



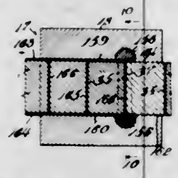
group, each detector comprising a pair of rectifiers having leakage in the non-pass direction connected in series opposition between said common conductor and one of said individual conductors and gas-filled tube means connected to the common point between said rectifiers responsive to impulses simultaneously applied to said common conductor and said individual conductor.

2,586,822

METHOD AND APPARATUS FOR FORMING LADDER WEB SLAT SUPPORTS FOR VENETIAN BLINDS

Henry W. Honeyman, Jr., and Henry W. Honeyman, 3rd, Riverside, R. I.

Application January 7, 1949, Serial No. 69,688
9 Claims. (Cl. 18—5)



1. A machine for molding Venetian blind ladder web comprising a chamber having parallel opposed faces and with open ends, means for introducing plastic material into said chamber, a plurality of blocks having opposite parallel faces, means for feeding said blocks through the open ends of said chamber in end to end tandem relation with said opposite parallel faces spaced from said opposed faces of the chamber as moved therethrough for the molding of opposite webs, said blocks having their ends shaped to provide recesses between abutting ends of the blocks for the molding of cross straps extending between said webs when plastic material is forced into said spaces and recesses.

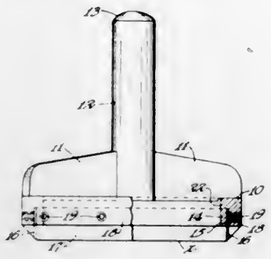
2,586,823

HAND DIE

Paul J. Huhn, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application August 26, 1946, Serial No. 693,026
3 Claims. (Cl. 30—305)

3. A hand die of the character described for cutting out test samples of abrasive sheet material during the making process of the latter comprising a body portion having a flat undersurface, a handle extending upwardly from the top of the body, the said undersurface having two parallel spaced apart slots extending lengthwise of the body and two parallel spaced apart slots extending crosswise of the body and intersecting the first two slots at an angle of 90°, thereby



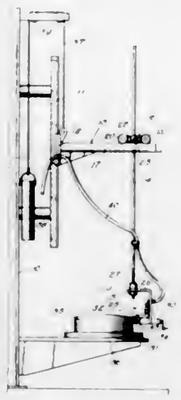
forming a fixed rectangular form surrounded by four fixed ridges spaced therefrom, an individual removable edge-ground straight cutting blade in each slot projecting downwardly from the undersurface of the body with the edged sides of the blades facing inwardly against the form and meeting at the intersections to form a continuous rectangular cutting edge, and means for holding the blades pressed against the sides of the form.

2,586,824

PIPE CUTTING APPARATUS

James Leo Hunt, Birmingham, Ala., assignor to Chicago Bridge & Iron Company, a corporation of Illinois

Application May 16, 1949, Serial No. 93,621
6 Claims. (Cl. 33—21)



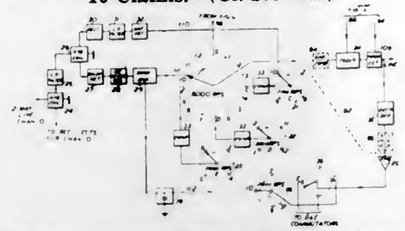
1. Apparatus for cutting a cylinder to fit a non-planar surface comprising a support parallel to the work, an arm suspended from the support and movable along the support in a linear path, said arm being suspended from the support for swinging movement only in planes intersecting said path at right angles, a cutter on the lower end of the arm, a base beneath the support for supporting the cylinder, means for varying the length of the arm, and means for varying the vertical distance between the base and the support.

2,586,825

SIGNAL COMPRESSION AND EXPANSION ARRANGEMENTS IN ELECTRIC COMMUNICATION SYSTEMS

Bent Bulow Jacobsen, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application January 14, 1949, Serial No. 74,224
In Great Britain January 16, 1948
10 Claims. (Cl. 179—15)



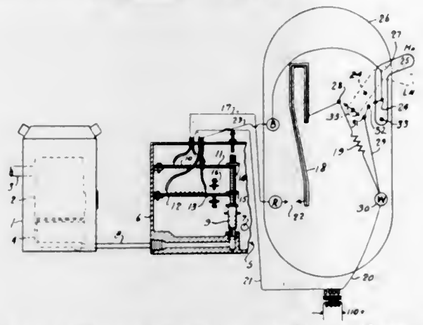
1. A multichannel electric pulse code modulation system of communication comprising a transmitter connected over a communication medium to a receiver, in which there is provided at the transmitter an amplitude compressor for each channel through which a corresponding communication signal wave is applied to a pulse code modulator for generating a train of channel code groups of pulses, means for periodically adjusting the degree of compression, and means for generating an auxiliary train of code groups of pulses conveying a control signal representing the variations in the degree of compression applied to the communication signal wave, the transmitter also including means for interleaving all the train of code groups of pulses and for transmitting them over the medium; and in which there is provided at the receiver means for receiving all the trains from the medium and for separating them from one another, and also for each channel there is provided means for demodulating the corresponding channel train of code groups, means for passing the demodulated channel signal through an amplitude expander, means for demodulating the corresponding auxiliary train of code groups, and means for applying the demodulated control signal to adjust the amplitude expander in such manner as to neutralise the compression produced in the transmitter.

2,586,826

CONTROL FOR HEATING APPARATUS

Don F. Jones and Basil D. Figg, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application December 22, 1947, Serial No. 793,218
6 Claims. (Cl. 236—68)



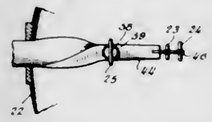
1. In a control device for regulating the supply of liquid fuel to a liquid fuel burner, the combination comprising a liquid fuel supply chamber having a fuel outlet, a valve for regulating flow through said outlet for low pilot, high pilot and high fire operation, the said valve being normally in low pilot position, a heat motor which when energized places the valve in high fire position, a second heat motor which when energized places the valve in high pilot position, a room thermostat including a thermostatic bimetal element in series circuit with, and for controlling the energization of, the first of said motors, a source of current, an anticipating heating coil in heat exchange relation with said room thermostat, a switch selectively positionable in either of two positions, the said switch in the one position placing the high pilot heat motor in circuit with said source of current and when said switch is in such position the anticipating heating coil is in series circuit with said thermostat and energizable to heat said thermostat, said switch when in its other position cutting the high pilot heat motor out of circuit with said source of current and placing the thermostat in direct circuit with said source of current whereby the anticipating heating element is ineffective.

2,586,827

DIRECTIVE RADIATING SYSTEM

John E. Karlson, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application March 31, 1945, Serial No. 585,825
14 Claims. (Cl. 250—33.65)



1. Directive antenna apparatus for producing an asymmetrical directivity pattern, comprising a reflector having a parabolic cross-section defining a directive axis and a focus, an antenna element positioned at the focus of said parabolic reflector, a radio energy conduit coupled thereto, and means disposed asymmetrically about said axis for producing asymmetry of said directive pattern, said means comprising a directivity pattern modifying parasitic conductive antenna element positioned at a point separate from said axis and between said reflector and said focus.

2,586,828

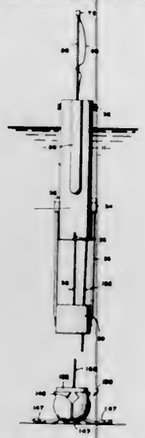
RADIO BUOY

Royal V. Keeran, San Diego, Calif.

Application January 19, 1950, Serial No. 139,481
7 Claims. (Cl. 9—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

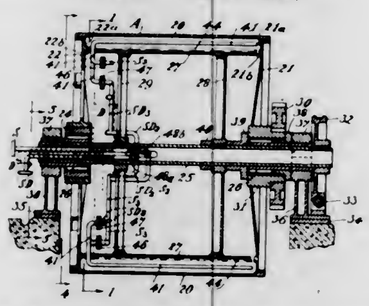
1. In a radio buoy having a cylindrical body adapted to float in a vertical position in water and containing a water-tight compartment adapted to receive electronic equipment, an antenna housing tube attached to said body, slidable guide means within said tube, an antenna mast carried by said guide means, stabilizer means comprising a pair of sleeves attached to the exterior of said body, a pair of stabilizer rods slidably engaged within said sleeves and an open cylindrical stabilizer having an inside diameter slightly larger than the diameter of said body attached to said rods to telescope over the lower end of said body in a retracted position and to move by gravity to an extended position suspended coaxially below said body by said rods,

cable means connecting said guide means to said stabilizer means whereby downward movement of said stabilizer imparts upward movement to said antenna mast, anchor means comprising an anchor adapted to be releasably secured to the bottom of said body and having a diameter larger than the inside diameter of said stabilizer to retain said stabilizer means in a retracted position when said anchor means is secured to said body,



a mooring line reel carried by said anchor means, a mooring line wound on said reel having its free end attached to said body, and releasable latch means including pins engaging said anchor means and said body to secure said anchor means to said body, and a piston responsive to kinetic water pressure to release said pins, whereby said anchor means sinks to the bottom of the water and extension of said stabilizer extends said antenna mast.

2,586,829
PAPER MACHINE DRIER
Walter Kelsey, New York, N. Y.
Application December 8, 1949, Serial No. 131,880
1 Claim. (Cl. 34—124)

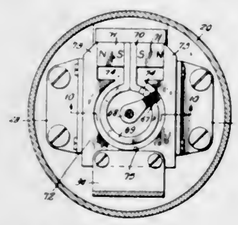


In a paper machine dryer having concentric cylinders including an outer cylinder and an inner cylinder, with horizontal coincident axes, closing means at the ends of the cylinders for forming a fluid substantially closed chamber between the cylinders, means supporting the inner cylinder in a stationary position, and means rotating the outer cylinder around the inner cylinder, the combination of heat distributing members spaced from both cylinders and fixed intermediate of both cylinders and supported by the inner cylinder, and means for rotating said outer cylinder at paper drying speed, whereby the air in the chamber is drawn from the outer surface of said inner cylinder, by the outer cylinder in a circumferential direction and around said spaced heat distributing members, said heat distributing members forming a plurality of heat distributor units, each unit independent of the other, and each having a heat power supply end, a return power flow end, means detachably supporting each of said units on said stationary cylinder, means on the stationary cylinder for supplying heat to each heat supply end of each unit, means on the stationary cylinder for the return of the return flow end of each unit, detachable means connecting said supply and return end of each of said units, to said last named means respectively, whereby each of said units may be removed and replaced from said stationary cylinder after detaching said detachable means, and condensate drains connected with said steam pipes, said drains removing the condensate, to enable the live steam pipes to be free of said condensate.

2,586,830
MANUFACTURE OF BAKERS' CHEESE
Martin M. Kloser, Chicago, Timothy L. Kimball, Park Ridge, and Otto J. Schrenk, Chicago, Ill., assignors to Bowman Dairy Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 31, 1949, Serial No. 84,734
7 Claims. (Cl. 99—116)

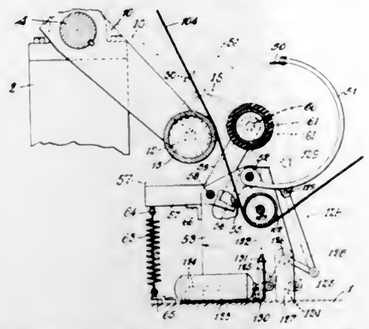
1. In a process for preparing bakers' cheese in which milk is coagulated to form curd and whey, the steps of cooling the material to a temperature below 65° F., pumping the material into a filter press at a pressure of less than 35 pounds per square inch, pumping cool water through the press, passing cool air through the press to reduce the moisture content of the curd, and then removing the curd from the press.

2.586,831
MOVABLE COIL ELECTRICAL INSTRUMENT
Knud J. Knudsen, Naugatuck, Conn., assignor to The Lewis Engineering Company, Naugatuck, Conn., a corporation of Connecticut
Application May 20, 1948, Serial No. 28,248
23 Claims. (Cl. 171—95)



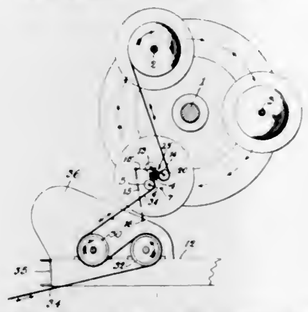
1. In a large deflection electrical instrument of the movable coil type, means including a pair of aligned bar magnets spaced from each other and having juxtaposed and remote pairs of like poles providing magnetic flux; a first, ring-like magnet pole having a projection extending between and secured to the juxtaposed like poles of said magnets; a second pole having spaced projections which extend outside of and are secured to the remote like poles of said magnets, said second pole being spaced from, and extending along said first pole; a movable coil through which the first pole extends and which it links; and means for mounting the movable coil for pivotal movement in a path along the surfaces of said poles, said coil and poles being arranged to enable the coil to travel over an arc of at least three right angles.

2,586,832
APPARATUS FOR WINDING ROLLS
John B. Kohler, Chicago, Ill., assignor to The Kohler System Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1944, Serial No. 524,032
9 Claims. (Cl. 242—56)



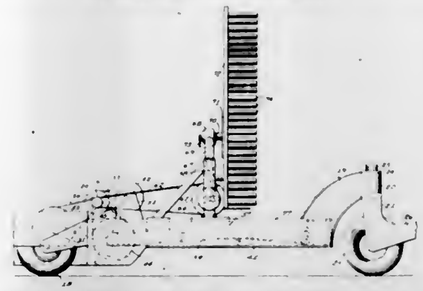
1. In combination in a winding device, means defining a frame, means in said frame for carrying a plurality of rolls of web material during formation, and selective means for driving said rolls during their formation, a knife for severing said web, and adhesive-applying means, means for operating said adhesive-applying means substantially coincidentally with movement of said knife, said adhesive-applying means being adapted to apply adhesive to said web upon the commencement of a new roll, and auxiliary means for driving a roll during the early state of its formation.

2,586,833
CORE ENVELOPER
John B. Kohler and Maurice J. Anderson, Chicago, Ill., assignors to The Kohler System Company, Chicago, Ill., a corporation of Illinois
Application May 21, 1945, Serial No. 594,998
20 Claims. (Cl. 242—56)



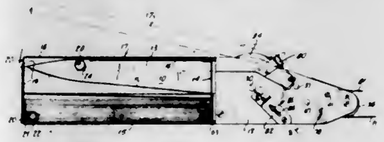
1. In combination in a winding machine, means for winding on a plurality of arbors successively, means for directing the material being wound on one of said arbors into contact with a second arbor, means for enveloping a substantial portion of said second arbor by the running web, means for establishing a nip against said second arbor on the outrunning portion of said envelopment, said nip establishing means comprising pressure means and means for bringing said pressure means and the arbor together, and severing means including a part adapted to sever and to engage and control the free leading edge of the severed running web, to cause the web material which is being fed to form a bight which follows the second arbor to the inrunning point of contact between said web and said second arbor.

2,586,834
RASPBERRY PICKER
Peter P. Kreisman, Jr., Puyallup, Wash.
Application November 25, 1949, Serial No. 129,363
3 Claims. (Cl. 56—328)



1. In a berry-harvesting machine, a mobile frame, a horizontally disposed endless conveyor extending inwardly from one end of said frame and terminating adjacent to and spaced from the other end thereof and rotatably supported thereon, an inclined endless conveyor having one end extending beneath the terminating end of said horizontally disposed endless conveyor and having the other end spaced above said frame and rotatably supported thereon, motive means including a rotatable drive shaft operatively connected to said horizontally disposed and inclined conveyors for effecting the movement of said conveyors in a direction to carry berries from said one end of said frame toward said other end thereof, downwardly and inwardly sloping plate members extending along opposite sides of said horizontally disposed endless conveyor and carried by said frame and having the side edges adjacent the last named conveyor overlying the latter, a support positioned contiguous to one of said plate members intermediate the ends thereof and mounted on said frame for vertical reciprocatory movement, means operatively connecting said support to said drive shaft for actuation in response to the rotary movement of the latter, and berry-combing means carried by said support.

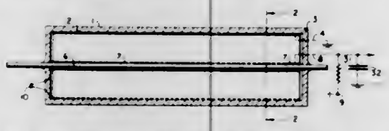
2,586,835
STRIP MATERIAL DISPENSING AND APPLYING DEVICE
Ernest James Leger, Metuchen, N. J., assignor to Johnson & Johnson, a corporation of New Jersey
Application April 26, 1949, Serial No. 89,622
9 Claims. (Cl. 216—33)



1. A dispenser and applier for material in continuous strip form as, for instance, labels and the like, and which comprises in combination, means for accommodating a quantity of the strip material, means operable to feed said strip material through the dispenser, an applying device operable as the dispenser is drawn along an underlying surface to which the strip material is to be applied, to press said strip material against said surface and withdraw it from the dispenser, mechanism connected with the feed means and operable by pressing against the underlying sur-

face to actuate the feeding means partially to advance said material through the dispenser into a position to be acted upon by the applying device, instrumentalities for arresting the withdrawal of the material whereby to determine the length thereof to be applied to the surface, and severing means for automatically rupturing the strip material in the region of increased tension created therein by operation of the withdrawal arresting instrumentalities and the continued operation of the applying device.

2,586,836
IODINE COUNTER
Sidney H. Liebson, Washington, D. C.
Application April 30, 1948, Serial No. 24,295
8 Claims. (Cl. 313—93)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

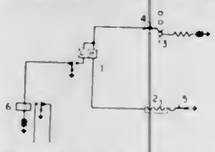


1. An ionization pulse counter tube comprising an envelope, a pair of electrodes therein, and a gaseous filling therefor consisting essentially of iodine and a noble gas lighter than radon up to a few per cent.

2,586,837
PREPARING DIANISIDINE
Adrian L. Linch, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 28, 1950, Serial No. 187,343
12 Claims. (Cl. 260—571)

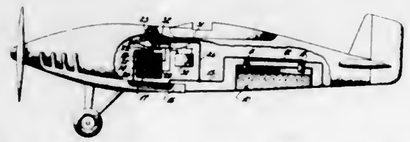
5. The process for preparing substantially colorless dianisidine which comprises mixing a dilute solution of hydrazoanisole in a mixture of toluene and isopropanol with a dilute aqueous solution of a strong non-oxidizing mineral acid having dissolved therein from about 2% to about 5% by weight, based on the hydrazonanisole, of an alkali metal salt of a dialkyl dithiocarbamic acid in which each alkyl group contains 1 to 4 carbon atoms, agitating the mixture until the hydrazoanisole is rearranged to dianisidine, and then recovering the dianisidine from the reaction mixture.

2,586,838
TESTING CIRCUITS FOR GROUP SELECTORS IN AUTOMATIC SYSTEMS
Armand Mamor, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 19, 1947, Serial No. 742,574
In the Netherlands January 30, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 30, 1966
3 Claims. (Cl. 179—18)



1. In a telephone system having an automatic selector in which a plurality of test terminals are engaged selectively by a test brush, and in which the selector is also provided with an interrupter operated thereby, the combination comprising a test relay, an operating circuit for said relay jointly controlled by said test brush and said interrupter and effective to initiate the operation of said test relay only while said test brush engages a selected terminal and the interrupter is closed, a locking circuit for said test relay including said test brush and selected terminal, said locking circuit having less resistance than said operating circuit and being in shunt with said interrupter, means controlled by said test relay for closing said locking circuit, whereby the current through said test brush and selected terminal is increased when said locking circuit is closed, and means also controlled by said test relay for stopping the operation of said selector.

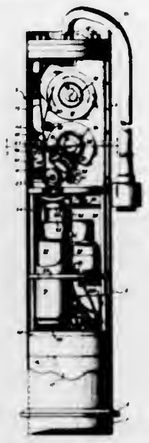
2,586,839
PURGING APPARATUS FOR FUEL STORAGE SPACES AND THE LIKE
Daniel Mapes, West Caldwell, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application December 17, 1948, Serial No. 65,962
8 Claims. (Cl. 220—88)



6. In a system for purging fuel supply means, the combination of a fluid fuel storage tank, an insulated container for storing a low temperature purging substance in liquid state, a conduit connecting said tank and the lower portion of said container, a second conduit connecting the upper portion of said container to the atmosphere, a vent valve in said second conduit, an electrical heating element in said container for inducing the flow of liquid substance from said container into said conduit, means in heat exchange relation with said conduit for supplying heat thereto to effect vaporization of liquid substance in said conduit, a solenoid operable to effect closing of said vent valve, an electrical circuit including a switch and a source of electrical energy for simultaneously rendering said heating element and said solenoid operable, a second valve having an inlet and an outlet connected in said second conduit and a by-pass outlet, and conduit means connecting said by-pass outlet and said tank, said second valve being operable to selectively direct the flow of substance from the upper portion of said container to said tank or the atmosphere.

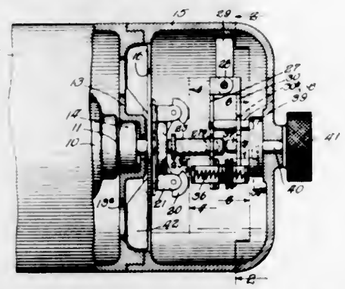
2,586,840
MOTION RECORDER FOR TORPEDO CONTROLS
Robert H. Marshall, Washington, D. C.
Application August 13, 1948, Serial No. 44,209
7 Claims. (Cl. 346—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A motion recorder system for use in a running torpedo to measure and record the motion of a control part thereof comprising, in combination, a variable signal source attached to said control part for producing a variable signal voltage proportional to the movement of said part, means including a cathode-ray tube having a pair of electrodes therein electrically connected to said signal source whereby a change in the signal voltage applied to the electrodes effects a deflection of the electron beam of the tube proportionally to variations in the signal voltage thereby to produce a visual signal on the screen of the tube indicative of the movement of said part when the tube is set in operation, means including a moving film and



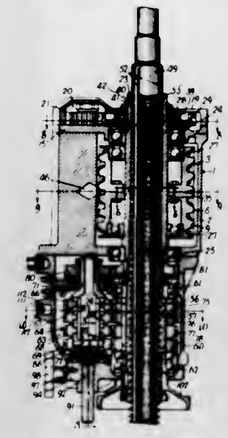
constant speed driving means therefor for producing a photographic record of said visual signal when the film has been set in motion thereby to provide a time history of the movement of said control part during the run of the torpedo through the water, and means for concurrently setting said tube and film driving means in operation as the torpedo is launched within the water.

2,586,841
SPEED GOVERNOR FOR MOTORS
Joseph P. Mayer, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application April 1, 1948, Serial No. 18,441
13 Claims. (Cl. 318—325)



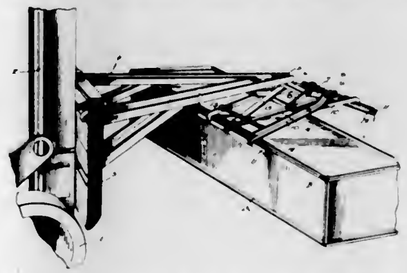
1. In a series electric motor having a speed control including a movable speed responsive member and a pair of contacts operatively associated with said member for opening and closing the circuit to said motor at a predetermined speed, means for reducing the concentration of magnetic flux in said motor at a speed less than said predetermined speed, said reducing means comprising a pair of field coils about the armature of said motor and connected in the motor circuit in parallel with each other and means for opening the circuit through a selected one of said coils at said lesser speed, each of said field coils having field characteristics different from those of the other field coil.

2,586,842
DRILLING APPARATUS
Robert Anthony McCallum, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application October 16, 1944, Serial No. 558,848
8 Claims. (Cl. 255—47)



1. A drilling apparatus comprising, in combination, a fluid actuated motor having a pair of geared rotors meshing with each other, means for supplying an operating fluid to said rotors, a drive sleeve extending axially through one of said rotors, gearing driven by the other of said rotors and including a gear coaxial with said sleeve, means for connecting selectively said drive sleeve in driven relation with the one of said rotors through which it extends and with said gear, a drill shaft extending through said drive sleeve and connected for rotation therewith, and means for feeding said drill shaft through said drive sleeve, said feeding means including threads on said drill shaft, a feed nut threadedly engaging the threads on said drill shaft and means for connecting said feed nut in driven relation with said drive sleeve.

2,586,843
LIFTING GRAB FOR INDUSTRIAL TRUCKS
Hiram J. McDonald, Jeffersonville, Ind.
Application August 5, 1947, Serial No. 766,433
4 Claims. (Cl. 214—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

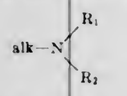


1. In combination with a fork-lift truck having an upright mast pivoted for swinging movement forwardly and backwardly, a carriage mounted for vertical movement on the mast, a boom projecting from the carriage, a pair of lazy tongs arranged in parallel relation, cross-rods rigidly connecting the corresponding levers of

said pair of lazy tongs, inwardly directed channel members connecting the corresponding free ends of the pair of lazy tongs, a spring for normally maintaining said tongs in open position, and means for pivotally connecting said tongs to the boom.

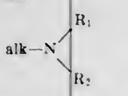
2,586,844
PREPARATION OF Δ^2-1,3-DIAZACYCLOALKENES
Arthur F. McKay, Kingston, Ontario, and Gordon A. Grant, Montreal, Quebec, Canada, assignors to Ayerst, McKenna & Harrison, Limited, Montreal, Quebec, Canada, a corporation of Canada
No Drawing. Application March 2, 1948, Serial No. 12,694. In Canada October 21, 1947
4 Claims. (Cl. 260—265.4)

1. A process of preparing a 2-substituted amino-Δ^2-1,3-diazacycloalkene comprising, reacting a 2-nitramino-Δ^2-1,3-diazacycloalkene with an amine, having the formula $R—NH_2$ where R is a member of the group consisting of lower alkyl, monocyclic lower aralkyl, lower alkoxy-aralkyl and a radical having the formula



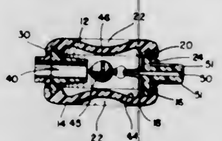
where R_1 stands for a member of the group consisting of hydrogen, alkyl and 1,3-diazacycloalkene radicals while R_2 stands for a member of the group consisting of hydrogen and alkyl radicals and alk represents an alkyl radical, under reaction conditions to replace the NO_2 group with the radical R, removing water substantially as formed while the reaction to form the desired 2-substituted amino-Δ^2 - 1,3 - diazacycloalkene takes place.

4. A 2-substituted amino-Δ^2-1,3-diazacycloalkene wherein the substitutent is selected from the group consisting of lower alkyl, monocyclic lower aralkyl, lower alkoxy-aralkyl radicals and a radical having the formula



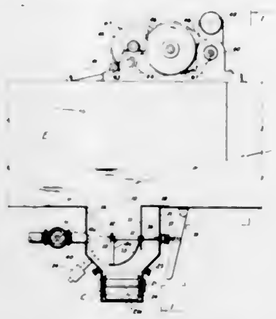
where R_1 stands for a member of the group consisting of hydrogen, lower alkyl and 1,3-diazacycloalkene radicals while R_2 stands for a member of the group consisting of hydrogen and lower alkyl radicals and alk represents an alkyl radical.

2,586,845
NEBULIZER FOR ADMINISTERING MEDICAMENTS
Bain L. McKinnon, Seattle, Wash.
Application May 15, 1950, Serial No. 162,065
10 Claims. (Cl. 299—88.5)



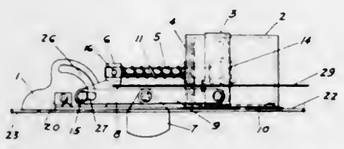
10. In a nebulizer having an air jet opening, a discharge opening, an air intake opening, an impingement target between said air jet opening and said discharge opening, and a liquid supply tube between said impingement target and said air jet opening, the improvement, comprising: said impingement target being spaced from said liquid supply tube and said impingement target being so formed to provide a recessed portion for the collection of liquid, said recessed portion forming an annular groove lying in a plane substantially perpendicular to a line between said air jet opening and said discharge opening.

2,586,846
APPARATUS FOR SEPARATING SUGAR BEETS OR THE LIKE FROM HEAVIER ARTICLES SUCH AS ROCKS, SAND, AND MUD
Clyde F. McNerny and Maxwell S. Davidson, Denver, Colo., and Lloyd N. Jeffries, Missoula, Mont.
Application October 12, 1946, Serial No. 703,024
3 Claims. (Cl. 209—458)



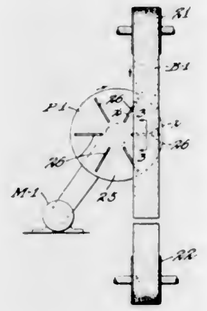
3. Apparatus for separating heavy refuse from lighter articles carried in a stream of liquid comprising a flume for said stream of liquid, an opening in the bottom of said flume, a first housing enclosing said opening and extending downwardly and rearwardly therefrom, a conveyor housing extending outwardly and upwardly from said first housing, an endless conveyor mounted in said conveyor housing adapted to remove refuse falling thru said opening, a conduit opening into the upstream wall of said first housing and adapted to direct a high velocity jet of liquid upwardly along the upper wall of said first housing, a grating on the walls of said flume downstream from said opening, a second housing enclosing said grating, a circulator connected to said second housing and said conduit, and rotary fingers extending thru said grating and adapted to keep the lighter articles moving in a downstream direction.

2,586,847
LATCH RELEASE MECHANISM
Vincent A. Mead, United States Navy
Application February 13, 1946, Serial No. 647,408
5 Claims. (Cl. 292—207)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A latch for securing a door to a wall comprising, a latching member and means pivotally mounting said member on said door; said latching member having an offset portion engageable with said wall structure, and further having a long continuous slot, comprising an arcuate portion concentric to the pivotal axis and a shorter radial portion opening into the arcuate portion; said door having a slot therein in alignment with said latching member to permit the latter to swing therethrough so that the door may be opened; a transverse locking pin in the radial portion of the slot and bridging the door slot and movable into said arcuate portion; and unlocking means connected to said pin and operable to force it from said radial portion into said arcuate portion.

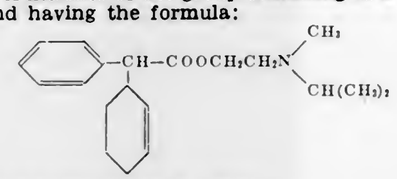
2,586,848
ROTARY DISK PLATEN
Theodore J. Miller, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application July 19, 1945, Serial No. 605,962
12 Claims. (Cl. 51—141)



1. In a belt sanding apparatus which comprises an endless abrasive belt and means for continuous propulsion thereof, a belt-supporting platen comprising a rotatably mounted disc positioned with a portion of a surface thereof adjacent the back of a span of the belt and substantially parallel thereto, the said portion of the surface being substantially planar with its continuity interrupted by a plurality of depressions, a wall of a depression and a planar surface of the disc meeting to form an edge.

2,586,849
2-ISOPROPYLMETHYLAMINOETHYL ESTER OF PHENYLCYCLOHEXENYLACETIC ACID AND SALTS THEREOF
Robert Bruce Moffett, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application May 18, 1950, Serial No. 162,809
3 Claims. (Cl. 260—472)

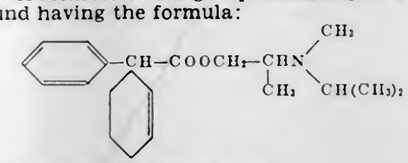
1. A member of the group consisting of a compound having the formula:



and acid addition salts thereof.

2,586,850
2-ISOPROPYLMETHYLAMINOPROPYL ESTER OF PHENYLCYCLOHEXENYLACETIC ACID AND SALTS THEREOF
Robert Bruce Moffett, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application May 18, 1950, Serial No. 162,810
3 Claims. (Cl. 260—472)

1. A member of the group consisting of a compound having the formula:



and acid addition salts thereof.

2,586,851
DIAPHRAGM OPTICAL GAS MASK
Randolph Monro, Edgewood, and Irving C. Brown, Baltimore, Md., and Clarence N. Hinkamp and Frank J. M. Parduhn, Washington, D. C., assignors to United States of America as represented by the Secretary of War
Application October 16, 1935, Serial No. 45,256
7 Claims. (Cl. 128—141)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

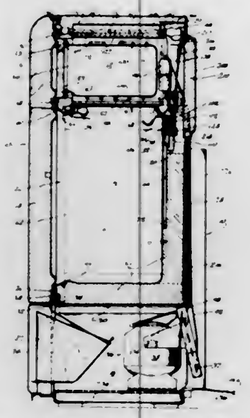


1. In a gas mask, a facepiece having integral protuberances at the eye portions, lenses mounted in said protuberances, and means to adjust said lenses to vary the interpupillary distance between said lenses.

2,586,852
KAOLIN-PHOSPHORIC ACID POLYMERIZATION CATALYST
Jacque C. Morrell, Philadelphia, Pa.
No Drawing. Application November 6, 1947, Serial No. 784,516
3 Claims. (Cl. 252—435)

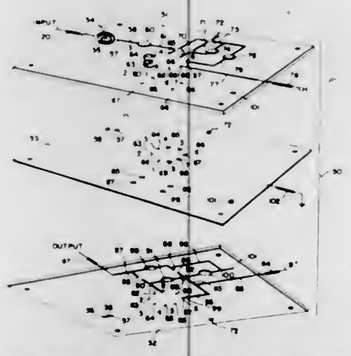
1. A catalyst suitable for polymerizing olefin hydrocarbons consisting essentially of a mixture of a phosphoric acid and kaolin baked at an elevated temperature prior to the polymerizing process, the said kaolin comprising not less than 25% of the baked mixture.

2,586,853
MULTIPLE TEMPERATURE REFRIGERATOR
Evans T. Morton, Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application January 3, 1947, Serial No. 720,080
22 Claims. (Cl. 62—4)



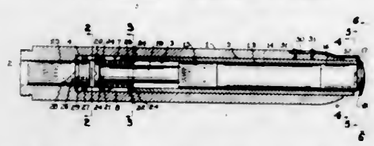
1. In a multi-temperature refrigeration system of the primary-secondary type having a primary circuit and a secondary circuit including a condenser portion and an evaporator portion, the combination of a refrigerant conducting means in the primary circuit in heat exchange relation with the condenser portion of the secondary circuit, a by-pass in the primary circuit around said means, and means responsive to the temperature in the secondary circuit for controlling the flow of refrigerant through said means or said by-pass whereby a substantially uniform temperature may be maintained in the secondary system.

2,586,854
PRINTED CIRCUIT CONSTRUCTION
William H. Myers, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application April 19, 1947, Serial No. 742,655
4 Claims. (Cl. 250—16)



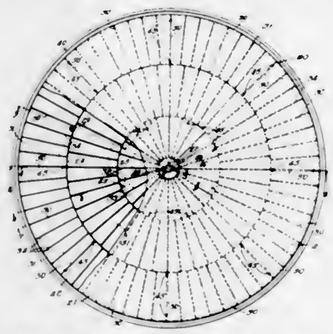
1. A first and a second dielectric member, a conductive layer extending substantially between the entire adjacent surfaces of said members, a first series of circuit components including conductors forming substantially an input circuit of an electron discharge device and disposed on the outer surface of said first member, and a second series of circuit components including conductors forming substantially an output circuit of the electron discharge device and disposed on the outer surface of said second member, said conductive layer providing an electrostatic shield between said input and output circuits of said electron discharge device.

2,586,855
HAIR EXTRACTING DEVICE
Harry Orner, Cleveland Heights, Ohio, assignor of one-half to William Isler, Cleveland Heights, Ohio
Application August 6, 1946, Serial No. 688,777
17 Claims. (Cl. 128—355)



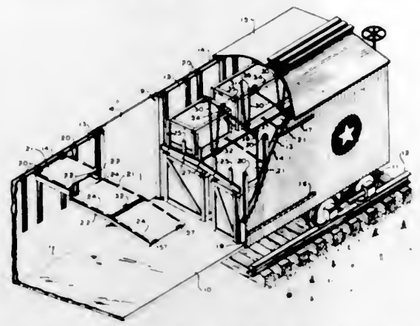
1. In a device of the character described, the combination of a handle, a sleeve rotatably mounted in said handle for reciprocating movement, means for driving said sleeve, a shaft journalled in said sleeve and rotatable independently of said sleeve, one end of said sleeve projecting from said handle and having an arcuate end surface, said shaft having a head projecting from said sleeve the inner face of which abuts the end surface of the sleeve to form opposed hair gripping surfaces, and a member mounted externally of said handle and engaging said sleeve to intermittently retract said sleeve from said head as the sleeve is rotated.

2,586,856
DOUBLE-DECK FLOATING ROOF
Clifford M. Orr and Fred L. Goldsby, Chicago, Ill., assignors to Chicago Bridge & Iron Company, a corporation of Illinois
Application October 16, 1945, Serial No. 622,566
12 Claims. (Cl. 220—26)



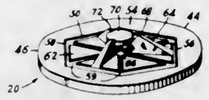
1. A floating roof for a liquid storage vessel comprising: a double deck float, said double deck comprising a top and a bottom closure of sheet metal joined by an upstanding rim, said roof being structurally rigid under all normal floating stresses and said roof being bendable only at an annular portion intermediate the center and outer edge of the roof under extraordinary loading and comprising adjoining ring-like sections, one of the outermost of said sections being trussed and at least one of the intermediate sections being untrussed, there being bracing means to provide radial rigidity in the untrussed section, the bracing means being connected to provide for the bending under extraordinary loading.

2,586,857
TRANSPORTATION VEHICLE
Lee M. Page, Opp, Ala., assignor of one-half to Woodfin Grady Page, Orlando, Fla.
Application July 25, 1947, Serial No. 763,472
3 Claims. (Cl. 105—371)



1. A vehicle having a floor, side walls, a roof and uprights disposed in spaced relation and reinforcing said side walls, a deck for said vehicle comprising a horizontally disposed deck section of generally inverted V-shape positioned between said side walls and mounted for vertical movement, means to support the deck section in a substantially horizontal position and to move said deck section vertically, including a flexible member connected to said deck section substantially midway between the side walls above the center of gravity of the deck section, means to move said flexible member vertically to move the connected deck section to a desired position of adjustment, and means at the ends of said deck section for engagement with the uprights for retaining said deck section in adjusted position.

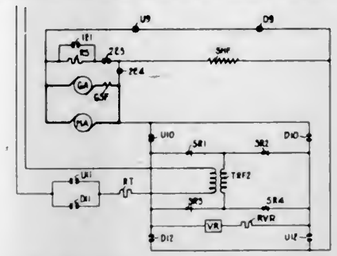
2,586,858
RUPTURABLE SEALING MEANS FOR PRESSURE FLUIDS
Floyd Bancroft Parsons, Fair Lawn, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application December 20, 1945, Serial No. 636,210
8 Claims. (Cl. 220—89)



2. In sealing means for a container of fluid medium under pressure, a rupturable sealing element having means projecting from one side operating substantially as a truss bridged over said side for rendering the element more highly resistant to rupture from force at one side than from the other, and including means normally maintaining said truss effective but displaceable to disrupt the same.

2,586,859
ELEVATOR CONTROL SYSTEM
Anthony Pinto, New Rochelle, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application January 3, 1949, Serial No. 69,022
7 Claims. (Cl. 318—158)

1. In combination; a direct current elevator hoisting motor; a direct current generator for supplying current at a variable voltage to said motor, said generator having a shunt field winding; means for energizing said field winding for full speed operation of said motor; a source of alternating current of low voltage; unidirectional current conducting means; and means for dis-

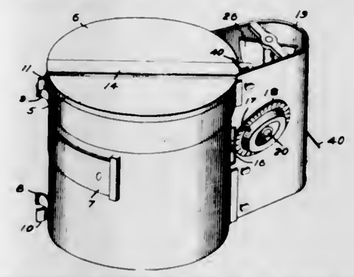


continuing energization of said field winding for full speed operation of said motor and for causing energization of said field winding from said low voltage source through said unidirectional current conducting means for slow speed operation of said motor.

2,586,860
SEPARATION OF VINYL ESTERS OF LONG CHAIN FATTY ACIDS FROM THE CORRESPONDING FREE FATTY ACIDS
William S. Port, Edmund F. Jordan, Jr., and Daniel Swern, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application April 13, 1951, Serial No. 220,962
5 Claims. (Cl. 260—410.9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. The process of separating a vinyl ester of a long chain fatty acid from a mixture of the ester and the corresponding free acid, comprising forming a solution of the mixture in an inert solvent in which an inorganic salt of the acid is insoluble, adding a compound which reacts with the acid to form the insoluble inorganic salt of the acid, separating the precipitated salt, and recovering the vinyl ester from the remaining solution.

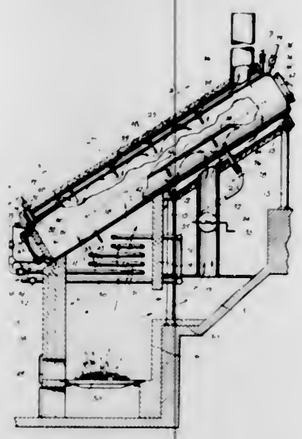
2,586,861
ARMING COVER FOR FUSES
Jacob Rabinow, Washington, D. C., assignor to the United States of America as represented by the Secretary of War
Application October 25, 1946, Serial No. 705,787
6 Claims. (Cl. 102—81.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An arming delay device for a projectile fuze having an arming vane comprising two hingedly connected cover members constructed and ar-

ranged to be closed about and engage the nose of the fuze to shield the arming vane from the air stream, a spring member connected to said members to move them to an open position and to disengage them from the nose of the fuze, means for locking the cover members in closed position on the nose of the fuze, and actuating means controlled by the flow of air during flight of the projectile for moving the last named means to an unlocked position during a predetermined distance of air travel said actuating means comprising an air vane, a reduction gearing actuated by said air vane, and means actuated by said gearing after a predetermined rotation thereof to unlock said cover.

2,586,862
RETORT
Elmer H. Records, Tacoma, Wash.
Application June 26, 1948, Serial No. 35,327
3 Claims. (Cl. 202—106)

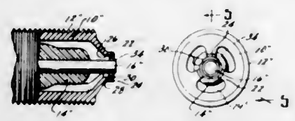


1. A retort of the character described comprising an elongated, cylindrical reaction chamber disposed in an inclined position for gravity unloading of a charge from its lower end, a shell enclosing said reaction chamber and providing an annular space between them, a stack outlet at the upper end of the shell, a furnace structure having a combustion chamber enclosing the lower end portion of the reaction chamber and shell therein, baffles extending along the reaction chamber at opposite sides and dividing the said annular space into separate gas passages along top and bottom sides of the reaction chamber, both of said passages having connection at their upper ends with the stack outlet and both being open at their lower ends to receive gases directly thereinto from the combustion chamber; transverse baffles in the higher portions of said gas passages at spaced intervals therealong for diverting the upflowing gas streams against sides and bottom surfaces of the reaction chamber; said shell being open along its under side within the combustion chamber for direct heating of the lower end portion of the reaction chamber and to provide for flow of hot gases to both of said gas passages, and a by-pass duct leading from the combustion chamber of the furnace at a point substantially below the opening of the latter to the gas passages, and into said annular space about the upper end portion of the shell, and means for controlling the outflow of gases through said by-pass duct.

2,586,863
PROCESS OF PRESERVING ARTICHOKES BY FREEZING
Jess Rose, Hollister, Calif., assignor to Artichokes Inc., Watsonville, Calif., a corporation of California
No Drawing. Application September 24, 1949, Serial No. 117,720
7 Claims. (Cl. 99—193)

1. The method of processing an artichoke for low temperature preservation which comprises spreading apart scales of the artichoke head whereby the artichoke can serve as a receptacle for water, introducing water into the artichoke, steam blanching such as water containing artichoke, and subsequently freezing the same.

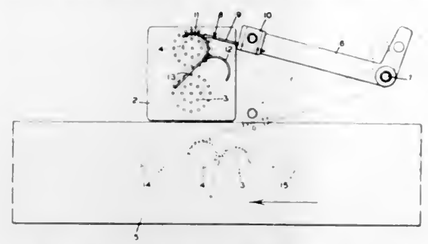
2,586,864
SPARK PLUG ELECTRODE
John J. Rose, Dayton, Ohio
Application August 22, 1950, Serial No. 180,885
1 Claim. (Cl. 123—169)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An improved spark plug which comprises a hollow cylindrical body of steel or similar low cost metal, externally threaded at one end for connection to an ignition chamber, a central electrode, a series of circumferentially spaced grounded electrode supporting arms, each an integral part of said hollow cylindrical body extending from the threaded end radially inward and axially away from the threaded end, thus providing a nose on the plug which is both outside and inside somewhat in the form of a frustum of a cone, the said frustum being provided at the extreme outer end with a bore larger than the central electrode thereby leaving a spark gap and a counterbore larger than the bore, thereby providing a shoulder on the inside of each electrode supporting arm, a narrow ring of platinum or the like externally fitted to said counterbore and welded to said shoulders, the inside diameter of said ring being larger than said central electrode to provide a spark gap, and said ring being composed of as many spaced apart segments as there are electrode supporting arms, whereby the spark gap is adjustable.

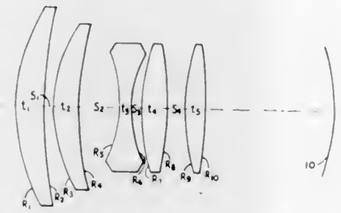
2,586,865
ARTICLE TRANSFER DEVICE FOR CONVEYERS
Herbert Roselle, Jr., Millville, N. J., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application November 29, 1949, Serial No. 129,937
4 Claims. (Cl. 198—24)

1. In a device for transferring a pair of aligned articles of glassware positioned upon a supporting surface onto a moving conveyor disposed alongside the supporting surface at substantially the same level and extending generally at right angles to the aligned articles on said support and positioning the pieces on said conveyor in alignment generally parallel to the length of the conveyor, the combination of a pusher comprising a pair of article-receiving pockets open at one end and a guide projecting between said pockets and separating the same with one of the pockets positioned to receive one of said articles on said supporting surface and with said guide positioned obliquely with respect to the other of said articles, an arm carrying said pusher, and movable means operatively connected with said arm to move said arm with an oscillatory motion over said support to deliver said other article into the other of said



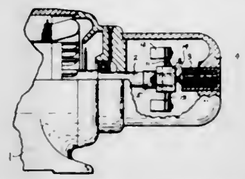
pockets and to bring said pockets into a position over said conveyor with the open ends of said pockets disposed substantially parallel to the length of said conveyor and by return oscillatory movement of said arm to disengage said articles disposed in predetermined spaced alignment on said conveyor substantially parallel to the length thereof.

2,586,866
HIGH APERTURE FIVE-COMPONENT OBJECTIVE
Willy Schade, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 11, 1950, Serial No. 178,835
3 Claims. (Cl. 88—57)



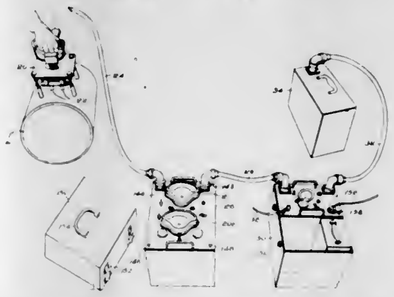
1. An optical objective for projecting the image from a concave face of a cathode ray tube at a finite magnification comprising five simple air-spaced lens elements of which the front element facing the longer conjugate is positive, has its front surface more strongly curved than its rear surface, and has a focal length between 1.25 F and 3.5 F where F is the focal length of the objective; the second element is a positive meniscus, has a convex front surface, the radius of curvature of which is between 0.4 F and F, and has a focal length between 1.25 F and 3.5 F; the middle element is biconcave, has its more strongly curved surface to the rear, has a dispersive index between 0.4 and 0.6 times as great as the average of the dispersive indices of the other four elements, and has a focal length between —0.4 F and —0.8 F, the fourth element is positive, has a convex front surface, the radius of curvature of which is between 0.5 F and 2 F, and has a focal length between 0.8 F and 2.5 F, and the rear element is biconvex and has a focal length between 0.65 F and 1.65 F, and in which the second air space is the largest of the four air spaces, the over-all length from the front surface of the front element to the rear surface of the rear element is between 0.7 F and 1.3 F, and each refractive index is between 1.56 and 1.80.

2,586,867
GOVERNOR
Orland L. R. Schram and Frederick E. Smith, Dayton, Ohio, assignors to The Master Electric Company, Dayton, Ohio, a corporation of Ohio
Application March 16, 1946, Serial No. 654,919
11 Claims. (Cl. 201—51)



1. An electrical current regulator for an electrical circuit having therein a source of electrical energy and a carbon pile responsive to fluctuations of pressure by which certain characteristics of the current flowing through said circuit are variable, characterized by a centrifugally influenced pressure unit, including a revoluble bifurcated head, a pair of centrifugally influenced weights, a pair of flat relatively spaced tensioned springs interconnecting the weights, one of the springs being medially connected with the head for unison rotation, the other spring being independent of the head, and subject to flexing adjustment under influence of the centrifugally influenced weights, a flexible diaphragm interconnecting the furcations of the head, a socket carried thereby, and a revoluble ball carried in the socket, coincident with the axis of rotation of the head, the construction and arrangement being such that upon movement of the weights under centrifugal influence, the second of said pair of springs is flexed into contact engagement with the ball and effects thrust pressure of the ball upon the carbon pile.

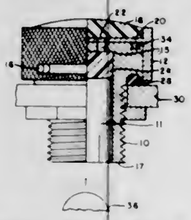
2,586,868
THICKNESS-MEASURING INSTRUMENT
Robert C. Scott, Belmont, Mass.
Application July 12, 1947, Serial No. 760,561
7 Claims. (Cl. 175—183)



1. A mechanism for measuring the thickness of plates wherein a direct current is applied through a pair of spaced points on the plate and the resultant potential between a second pair of points not colinear with the first pair and in definite spacial relation thereto is observed comprising a probe having a handle by which it may be grasped and wielded, pairs of individually spring-pressed electrodes definitely spaced in portions corresponding to the vertices of a quadrilateral carried thereby to be resiliently engaged with the plate when the probe is pushed against the same by means of the handle, conductors from said electrodes arranged as a flexible cable extending from the probe and a container port-

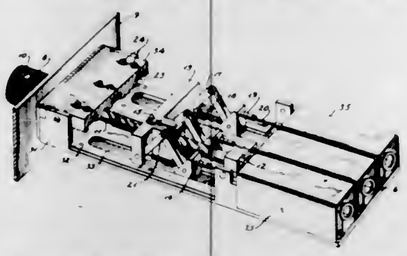
able in the manner of a handbag in which are assembled devices for controlling current from a source of direct current to apply through two of the conductors a current of predetermined amperage to a pair of the electrodes, a converter in circuit with the other pair of electrodes, an electronic amplifier for proportionately magnifying the voltage of the alternating current delivered from the converter and an indicating instrument responsive to said magnified voltage.

2,586,869
WATERPROOF PILOT LAMP
Raymond Sculthorpe, Oceanport, N. J., assignor to the United States of America as represented by the Secretary of the Army
Application August 30, 1950, Serial No. 182,386
7 Claims. (Cl. 177—329)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



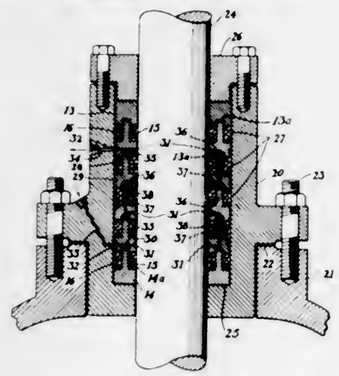
7. In a dimmer device for a light source, a hollow body part closed at one end thereof and open at the other end, said part being provided with an aperture through the closed end thereof and disposed eccentrically with respect to the longitudinal axis of said part, a cup-shaped shutter part fitted over said closed end and rotatable relatively with respect to said body part and about said axis, said shutter part being provided with an aperture substantially complementary with respect to said first-named aperture in both size and disposition, and translucent means disposed within said body part and sealed thereto over said first-named aperture.

2,586,870
PERMEABILITY TUNER
Gustave Shapiro, Washington, D. C., and Robert O. Stone, Dickerson, Md.
Application December 8, 1950, Serial No. 199,902
9 Claims. (Cl. 74—10.85)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Tuning apparatus comprising, in combination, an inductor, movable slug means associated with said inductor for varying the inductance thereof in accordance with the position of said slug means, manually turnable screw means having a non-linear groove therein, a support member having an aperture therein and slidably mounted on said screw means, said member having pin means engaging said groove for positioning said member along the longitudinal axis of said screw means as said screw means is turned, a first arm pivotally connected at one end thereof to said member, a second arm pivotally connected to the other end of said first arm, spring means normally urging the opposite ends of said arms into adjacent positions, means associated with said arms for varying the angle between said arms as the member is moved, and means operatively connecting said second arm to said slug means.

2,586,871
COMPOSITE PRESSURE SEAL
James Rodger Shields, Penn Township, Allegheny County, Pa.
Application May 7, 1948, Serial No. 25,622
3 Claims. (Cl. 286—27)



1. Shaft packing for stuffing boxes of autoclaves and the like comprising a spaced series of inside sealing rings of compressible material adapted to seal against a shaft, a spaced series of outside sealing rings of compressible material adapted to seal against a stuffing box bore, rigid and inflexible annular webs disposed between and filling the annular space between said inside and outside sealing rings, and a series of rigid, imperforate, transverse retaining rings disposed adjacent the ends of the said webs and said inside and outside sealing rings, said retaining rings separating the said sealing rings axially and having an annular groove of limited depth, at least, on one side, said groove registering with and receiving one of said webs providing an imperforate packing collapsible axially by limited increments to compress said sealing rings to a predetermined amount equally along said shaft.

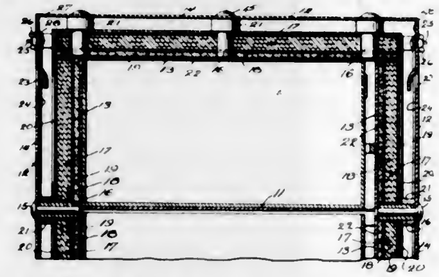
2,586,872
WATERER AND FEEDER DEVICE
Jesse D. Simmons and Leon K. Simmons, Wichita, Kans.
Application October 21, 1946, Serial No. 704,562
1 Claim. (Cl. 119—61)



A poultry feeder formed of a single piece of material and comprising a bottom, end walls extending upwardly therefrom and each formed

with two converging top edges, side walls joined to the bottom and end walls and upwardly converging top walls each forming a continuation of a side wall, said top walls resting at their ends upon the top edges of the end walls, one of said top walls having an extended portion overlying the top of the other top wall, the said one top wall having feeding openings therein, the said other top wall and the overlying portion having coinciding feeding openings therein, means coupling the said other top wall and the overlying portion to the end walls, and means locking the said other top wall and the overlying portion together comprising integral tongues carried by the said overlying portion and slots formed in the underlying top wall in which said tongues are engaged.

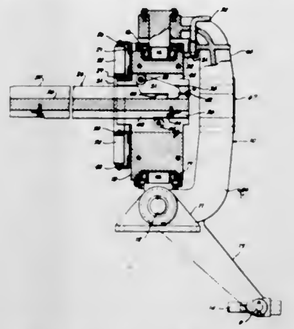
2,586,873
HEAT INSULATING RECEPTACLE
Paul A. Siple, Arlington, Va.
Original application May 22, 1945, Serial No. 595,229, now Patent No. 2,520,972, dated September 5, 1950. Divided and this application June 22, 1950, Serial No. 169,765
5 Claims. (Cl. 109—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A heat insulating protective panel comprising a pair of spaced rigid walls, one of said walls being apertured to permit discharge of vapor therethrough, a plurality of flexible pads retained in the space between said walls, the aggregate area of said pads being substantially coextensive with the area of said panel, each of said pads comprising flexible absorbent material for holding a liquid coolant having a high heat of vaporization and vaporizable when abnormal external heat is conducted into the space between said walls, and a liquid- and vapor-impermeable flexible envelope enclosing said absorbent material for nonescapably sealing said coolant in said absorbent material at normal temperatures, said envelope being rupturable under conditions of external heat and internal vapor pressure whereby vaporized coolant escapes through said apertured wall and dissipates the absorbed heat of vaporization to the outside, and means for bracing said flexible pads and maintaining them in a position spaced from said apertured wall.

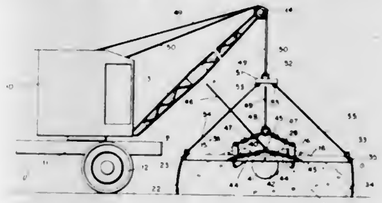
2,586,874
ARTICLE HANDLER
Arthur Dean Smith, Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif., a corporation of Delaware
Application July 7, 1950, Serial No. 172,435
7 Claims. (Cl. 214—1)

1. In a coil handling apparatus the combination of a support, a bearing member pivotally mounted upon said support and arranged for movement in a vertical arcuate path about a horizontal axis, a carriage pivotally mounted within said bearing member and arranged for movement about an axis transverse to said horizontal axis, a coil receiving arm mounted upon said carriage and arranged for reciprocating move-



ment into and out of engagement with a coil, latch means for maintaining said coil receiving arm in an extended position, and a positively actuated crank arm for moving said bearing member in said vertical arcuate path.

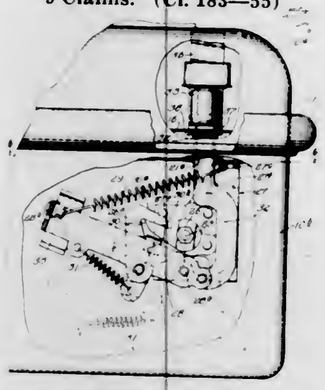
2,586,875
HAY FORK
Luke E. Smith, Denver, Colo., assignor to Quick-Way Truck Shovel Co., Denver, Colo., a corporation of Colorado
Application April 7, 1947, Serial No. 739,895
7 Claims. (Cl. 294—111)



1. A hay fork adapted to be attached to and manipulated by a unit of power machinery, such as a power shovel, comprising a pair of scissors-like frame members, pivot means connecting said frame members together and located adjacent an end of said frame members, a group of tines projecting from the ends of each of said frame members remote from said pivot means, the tines of each group being slightly curved in their length and each group of tines extending generally at a right angle to its respective frame member, means connected to both of the frame members for swinging them about said pivot means into open position with both of said frame members extending substantially in a common plane and with their groups of tines in substantially perpendicular planes with relation to the common plane of said frame members, separate means for moving the frame members and the groups of tines carried thereby in the opposite direction toward each other and into closed and hay-gripping position with two groups of tines extending generally in the same plane, a balance weight member eccentrically mounted upon said pivot means for increasing the weight of said hay fork to force the spread-apart depending groups of tines downwardly into a stack of hay when the frame members and groups of tines are lowered into position over said stack, and stop means carried by the frame members remote from the

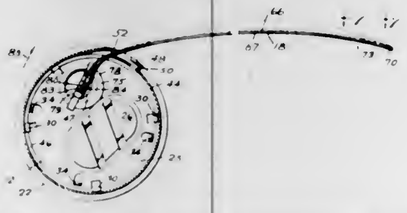
groups of tines and cooperable with one another to limit the closing movement of the frame members and groups of tines toward each other.

2,586,876
VACUUM CLEANER
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application October 27, 1948, Serial No. 56,803
9 Claims. (Cl. 183—55)



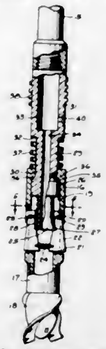
1. In a vacuum cleaner comprising a casing, a dirt separating member therein and a motor-driven fan for drawing air through said separating member, means for agitating said separating member comprising resilient means normally arranged adjacent the separating member, a manually-operable lever pivotally mounted on a fulcrum, means operatively connecting said lever and said resilient means so that rotation of the lever causes the resilient means to be drawn away from the separating member, means for disengaging said lever from said resilient means after the resilient means has been drawn away from the separating member to permit the resilient means to snap against the separating member, a switch in the electric circuit to the motor, and an arm rotatably mounted on the lever for operating the switch after said disengagement of the lever and resilient means.

2,586,877
SMOKING PIPE CLEANER
Ignace J. Spiewak, New York, N. Y.
Application January 24, 1949, Serial No. 72,509
7 Claims. (Cl. 131—245)



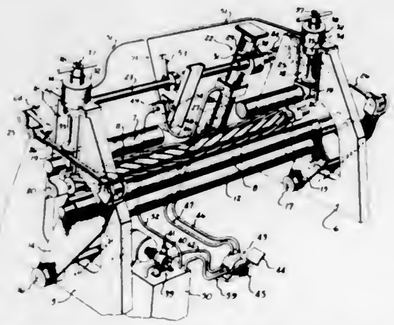
1. A smoking pipe cleaner comprising: a housing and a stem bore cleaning element including a pair of flexible strip members interconnected at one end of each; the other ends of said strip members being pivotally interconnected at a fixed point on said housing; said trip members being disposable in a coiled condition within said housing.

2,586,878
DRILLING APPARATUS
James C. Staton, Corpus Christi, Tex., assignor to Eastman Oil Well Survey Company, Denver, Colo., a corporation of Delaware
Application May 8, 1947, Serial No. 746,712
10 Claims. (Cl. 255—1.6)



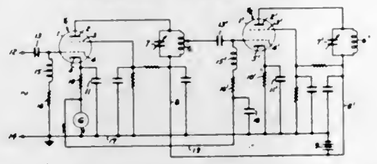
1. A rotary earth bore drilling apparatus including, a deflecting tool, a drilling assembly detachably connected to said deflecting tool, said assembly comprising a rotatable drill pipe, an earth drill bit rotatably connected to the lower end of said pipe, an expansible reaming means mounted in the drill pipe above the bit and normally in a retracted position, the apparatus being lowered into a well bore as a unit to locate the deflecting tool within the bore, means for disconnecting the drilling assembly from the tool to permit a rotary earth drilling operation to be carried out with the drill bit rotating relatively to and being guided in its direction by the deflecting tool, and means actuated by relative longitudinal movement of the drill pipe with respect to the reaming means for expanding the reaming means whereby reaming of the bore drilled by the drill bit may be accomplished without removing the apparatus from said bore.

2,586,879
HIDE AND LEATHER WORKING MACHINE
Ralph J. Stehling, Milwaukee, Wis., assignor to Chas. H. Stehling Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 29, 1950, Serial No. 164,945
10 Claims. (Cl. 69—41)



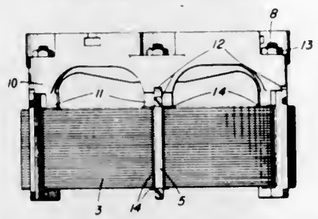
1. In a machine having companion pressure rolls, one of which is movable to and from its operative position coacting with the other roll which is nominally stationary but has limited movement toward and from the operative position of the movable roll, the combination of: fluid pressure responsive means for moving the movable roll to and from its operative position; fluid pressure responsive means for pressing the nominally stationary roll toward its companion; a variable volume constant pressure pump supplying fluid under pressure to both said two fluid pressure responsive means; manually operable control means for governing the operation of the first named fluid pressure responsive means; and control means automatically rendering said second named fluid pressure responsive means operative as the movable roll assumes its operative position.

2,586,880
RESONANCE INDICATOR
Hayes B. Steinhauser, Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 12, 1949, Serial No. 126,845
4 Claims. (Cl. 250—40)



1. A device for indicating resonance of an amplifier having a tunable circuit, comprising means for indicating a reduction of said amplifier space current when said circuit is tuned to resonance and means for accentuating the indication of said indicating means comprising means for rectifying at least a portion of said circuit energy and applying said rectified energy to said indicating means in a direction opposite to that of said space current.

2,586,881
DRIVING UNIT FOR ELECTROMAGNETIC VIBRATION EXCITERS
Fred E. Stirnkorb, New Haven, Conn., assignor to The M B Manufacturing Company, Inc., New Haven, Conn., a corporation of Connecticut
Application January 3, 1950, Serial No. 136,568
5 Claims. (Cl. 175—21)



1. A driving unit for an electromagnetic vibration exciter comprising an electric coil having substantial axial length, a frame overlying one axial end of said coil, and spaced legs extending from said frame adapted to engage said one end of said coil in a direction axially of said coil, in combination with a plurality of clamps one attached to each of said legs and each including an end portion underlying the coil at the axial end thereof remote from said one end, and means extending between said frame and said clamps for moving said clamps toward said legs, whereby upon movement of said clamps toward said legs, the coil is pressed at a plurality of spaced points between the legs and the underlying end portions of the clamps in a direction parallel to the axis of the coil.

2,586,882
ION EXCHANGE RESIN COMBINATION
Grace Rose Stroh, Schenectady, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 2, 1947, Serial No. 751,971
3 Claims. (Cl. 260—43)

1. A combination of an anion active, granular, water-insoluble, resinous reaction product of epichlorohydrin and an alkylene polyamine in the ratio of at least two mols of epichlorohydrin per mol of polyamine and a cation active granular, water-insoluble, resin which is a nuclear sulfonated phenol-aldehyde condensation product, said combination after standing for at least 24 weeks having a capacity for the removal of ionizable solids from liquid media of at least 7 kilograins as calcium carbonate per cubic foot of cation resin.

2,586,883
STABLE COMBINATION OF CATION- AND ANION-EXCHANGE RESINS
Grace Rose Stroh, Schenectady, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 2, 1947, Serial No. 751,975
3 Claims. (Cl. 260—43)

1. A combination of an anion active, granular water-insoluble, resinous reaction product of epichlorohydrin and an alkylene polyamine in the ratio of at least two mols of epichlorohydrin per mol of polyamine and a cation active granular, water-insoluble, resin which is a phenol-bisulfite-aldehyde condensation product said combination after standing for at least 24 weeks having a capacity for the removal of ionizable solids from liquid media of at least 7 kilograins as calcium carbonate per cubic foot of cation resin.

2,586,884
COPOLYMERS OF DI BETA, GAMMA UNSATURATED ALKENYL ALPHA, BETA UNSATURATED ALKENYLPHOSPHONATES WITH UNSATURATED ALKYD RESINS
Arthur Dock Fon Toy, Chicago, and Lee V. Brown, Riverdale, Ill., assignors to Victor Chemical Works, a corporation of Illinois
No Drawing. Application October 11, 1947, Serial No. 779,417
15 Claims. (Cl. 260—45.4)

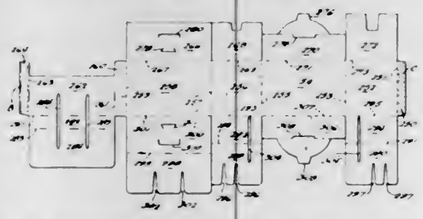
11. A resin product obtained by copolymerizing from 5 to 80 parts by weight of a di beta, gamma unsaturated substituted ethenyl phosphonate selected from the group consisting of diallyl and dimethallyl isobutenyl, isooctenyl and styryl phosphonates, and from 95 to 20 parts of an unsaturated alkyd resin comprising the reaction product of an alpha,beta unsaturated polycarboxylic acid and a polyhydroxy alcohol, said resin product being flame resistant.

2,586,885
COPOLYMERS OF BETA, GAMMA UNSATURATED ALKENYL ESTERS OF ARYL PHOSPHONIC ACID WITH UNSATURATED ALKYD RESINS
Arthur Dock Fon Toy, Chicago, and Lee V. Brown, Riverdale, Ill., assignors to Victor Chemical Works, a corporation of Illinois
No Drawing. Application October 11, 1947, Serial No. 779,418
18 Claims. (Cl. 260—45.4)

13. A resin product obtained by copolymerizing from about 5 to 80 parts by weight of a di beta,

gamma unsaturated alkenyl arylphosphonate wherein the alkenyl group is a member of the class consisting of allyl and methallyl groups and the aryl radical is a member of the class consisting of phenyl, tolyl and chlorophenyl radicals, and from 95 to 20 parts of an unsaturated alkyd resin comprising the reaction product of a polyhydroxy alcohol and an alpha, beta unsaturated polycarboxylic acid wherein said reaction product has an acid number of less than 50, said resin product being flame resistant.

2,586,886
DISPLAY CONTAINER
Walter J. Tyrseck, Montville, Conn., assignor to Robertson Paper Box Co., Inc., Montville, Conn., a corporation of Connecticut
Application December 3, 1948, Serial No. 63,329
6 Claims. (Cl. 229—28)



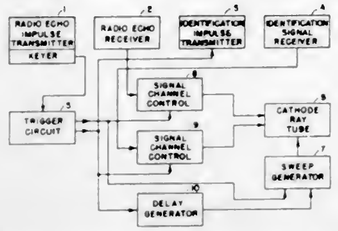
1. A container comprising a series of connected panels folded continuously in one direction and including panels forming exterior walls and a panel forming a partition connecting two opposite walls so as to divide the container into two compartments and comprising also transversely folded panels connected to the said partition forming panel and forming a second partition parallel thereto, transversely folded partition forming panels connected to a wall parallel to the said partitions and forming still a third partition parallel to the first said partitions, and a transversely folded panel element connected to one of the said opposite walls of the container and forming a cross partition whereby the container is divided into sub-compartments.

2,586,887
BENZILMONOHYDRAZON BLOWING-AGENT FOR PREPARING POROUS THERMOPLASTIC RESINS
Georgette van Gaver, Lyon, France, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
No Drawing. Application September 28, 1948, Serial No. 51,658
14 Claims. (Cl. 260—2.5)

8. A process of making a porous article that includes the steps of incorporating in a thermoplastic resin plastic at about 145 degrees C. benzilmonohydrazon, and heating the article to about 160 degrees C.

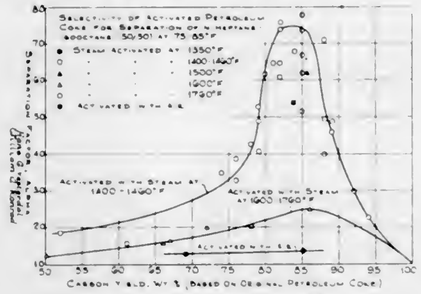
2,586,888
ECHO RANGING AND IDENTIFICATION SYSTEM
Arthur A. Varela, Washington, D. C.
Application June 13, 1945, Serial No. 599,289
12 Claims. (Cl. 343—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination, a radio echo ranging system having a recurrently operative impulse transmitter, an echo receiver, an identification system having an impulse transmitter and a signal receiver, means operative in dependency on the radio echo system to operate said identifica-



tion impulse transmitter on alternate operations of the echo ranging impulse transmitter, and a cathode ray tube indicator responsive to both said systems alternately to indicate the responses of both said receivers.

2,586,889
SEPARATION OF STRAIGHT-CHAIN FROM BRANCHED-CHAIN HYDROCARBONS
Hans G. Vesterdal and William A. Konrad, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 23, 1949, Serial No. 111,946
18 Claims. (Cl. 196—148)



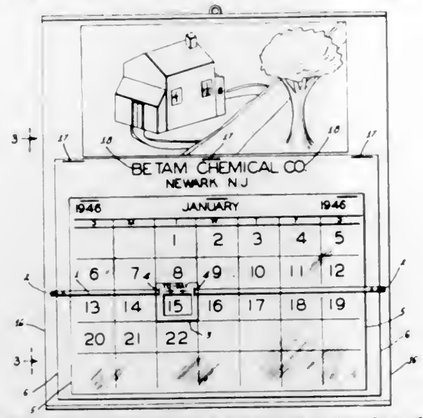
4. Process for the separation of a normally liquid straight-chain hydrocarbon from a mixture thereof with at least one hydrocarbon selected from the group consisting of normally liquid branched-chain aliphatic hydrocarbons and cyclic hydrocarbons which comprises contacting said mixture with an activated carbon prepared by treating acid sludge coke with steam at a temperature of 1350–1500° F. until a yield of 70–90 weight per cent of activated carbon based on the weight of acid sludge coke is obtained whereby the straight-chain hydrocarbon is preferentially adsorbed on the activated carbon.

18. An activated carbon prepared by passing steam through acid sludge coke at a temperature of 1350° F. to 1500° F. until a yield of 70 to 90 weight per cent of activated carbon based on the weight of the acid sludge coke is obtained.

2,586,890
CALENDAR AND INDICATOR
Elizabeth Voss, New York, N. Y.
Application February 19, 1946, Serial No. 648,725
5 Claims. (Cl. 40—110)

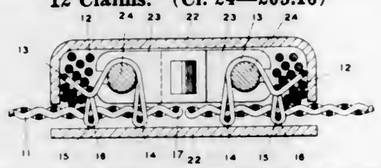
1. An indicator for a plurality of superposed calendar sheets and the like, comprising a backing element on which the calendar sheets are mounted, a member secured to the backing element and overlying the calendar sheets with a

portion thereof through which the topmost sheet is visible, an elongated strip portion for the member and having a clip on each end thereof to slidably mount the strip portion on the member, and a framing element slidably mounted on the strip portion to slide thereon and to frame a re-



spective numeral on the topmost calendar sheet, said member being mounted along a portion thereof on the backing element so that the member with the elongated strip portion, clips and framing element may be raised to permit removal of the individual calendar sheets.

2,586,891
SEPARABLE FASTENER ASSEMBLY
Nicholas A. Wahl, New York, N. Y., assignor to Wahl Brothers, New York, N. Y., a partnership
Application July 21, 1948, Serial No. 39,849
12 Claims. (Cl. 24—205.16)

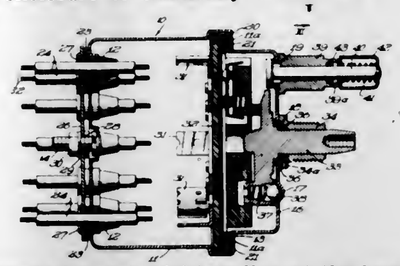


3. In a separable fastener, the combination including: a row of engaging elements secured at regular intervals along a runner; a ribbon parallel with the runner and comprising a marginal section extending at least partially along one side of the engaging elements; a cord parallel with the runner and in contact with the ribbon and the segments of the engaging elements opposite the engaging segments thereof; tie threads extending between the inner edge of the marginal section of the ribbon and the cord and passing between the engaging elements on one side of the runner; and binding threads binding the cord and tie threads to the ribbon in firm contact therewith and with the engaging elements on the other side of the runner.

2,586,892
WATERPROOF SWITCH ASSEMBLY
Nelson H. Weber and Ralph W. Hept, Bronson, Mich., assignors to Kingston Products Corporation, Kokomo, Ind., a corporation of Indiana
Application May 13, 1949, Serial No. 93,092
7 Claims. (Cl. 200—11)

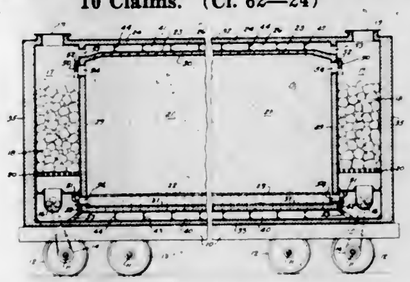
1. An arrangement for waterproofing an electrical apparatus having a perforated enclosure

to be entered by conductor wires, a rotary shaft and a plunger, comprising a resilient grommet around each conductor wire seatable in conductor wire perforations defined by said enclosure, a grommet retainer plate, a retainer plate stud carried by said enclosure and means to adjustably position said plate on said stud relative to said enclosure to elastically deform all of said



grommets for watertight sealing at the locale of the points of entry of said conductor wires into said enclosure, resilient O rings carried by said plunger and said shaft, and bushing means carried by said enclosure cooperable with said O rings to produce a sealing relationship between said shaft and said plunger at the locale of said O rings.

2,586,893
METHOD AND APPARATUS FOR TRANSPORTING AND STORING FROZEN COMESTIBLES
Lester L. Westling, Oakland, Calif.
Application February 23, 1949, Serial No. 77,734
10 Claims. (Cl. 62—24)
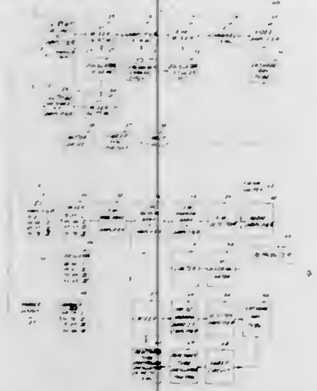


1. A refrigerating compartment comprising a cargo-accommodating walled enclosure, a first layer of insulation about said enclosure, a second layer of insulation about said first layer, spacing means for spacing said layers apart, a bunker for a refrigerating medium, a first port communicating between said bunker and said enclosure, a second port communicating between said bunker and said spacing means, damping means controlling circulation through said ports, and means for circulating air through said bunkers.

2,586,894
RADIO RECEIVER
Everard M. Williams, Ellwood City, and Benjamin R. Gardner, Jr., State College, Pa., assignors to the United States of America as represented by the Secretary of War
Application October 5, 1944, Serial No. 557,348
8 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

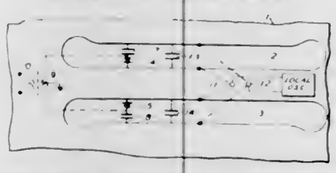
1. A radio signal analyzing device comprising a broad band superheterodyne panoramic re-

ceiver and a second receiver, the panoramic receiver comprising a first radio frequency signal translating channel and a second radio frequency signal translating channel having a higher frequency range than said first channel, a cathode ray tube indicator connected to the outputs of said first and second channels, said second receiver comprising a plurality of radio frequency



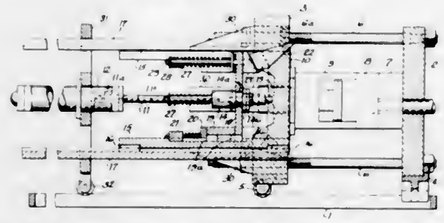
channels that collectively substantially cover the full range of said panoramic receiver, a marker generator connected to said broad band receiver, and means for simultaneously tuning said second receiver to the same frequency as said panoramic receiver and tuning said marker generator to the broad band receiver's image frequency of the frequency to which said second receiver is tuned.

2,586,895
FREQUENCY CONVERTER FOR RADIO RECEIVING SYSTEMS
Eric Osborne Willoughby, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 19, 1947, Serial No. 769,441
In Great Britain March 15, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 15, 1966
9 Claims. (Cl. 250—20)



1. A balanced heterodyne-detection radio receiving system comprising a balanced slot aerial arrangement, a heterodyne oscillator, two like detectors, said slot serial arrangement comprising two like electrically coupled slot aerials positioned symmetrically side by side in a common first conductive sheet, means for deriving heterodyne beat frequency output energy from said two detectors comprising means for coupling, said detectors to respective said slot aerials at predetermined distances therealong comprising means for galvanically connecting like-poled electrodes of said detectors to respective adjacent edges of said slot aerials, means having low impedance at the frequency of the received waves and high impedance at the heterodyne beat frequency coupling, the other electrodes to respective non-adjacent edges, said heterodyne oscillator having two output terminals, means coupling one of said output terminals to points on the adjacent edges and the other output terminal to points on non-adjacent edges of said slot aerials.

2,586,896
MACHINE FOR DIE-CASTING AND INJECTION MOLDING
Emanuel Wittlin, Chicago, Ill.
Application March 23, 1949, Serial No. 83,020
3 Claims. (Cl. 22—92)



1. In a mechanism for die-casting and injection-molding machines, a frame having a straight slideway; a member mounted thereon in slidable engagement with said slideway for linear movement relative to said frame in the longitudinal sense in reference to said slideway; a pair of mating die members respectively secured to said frame and to said member in longitudinal alignment with each other, said die members being alternately relatively advanceable toward and retractable from each other in said longitudinal sense between relative casting and disengaged positions; locking means for releasably locking said die members in casting position comprising a pair of cooperatively mated locking parts respectively joined with said die members and relatively movable in regard to each other in said longitudinal sense, said locking parts being relatively movable as aforesaid respectively bodily with said die members between relative advanced and retracted positions respectively corresponding with said relative casting and disengaged positions of said die members, said locking parts being, when in relative advanced position, adjacent each other and overlapping in said longitudinal sense; said locking means further comprising a wedge associated with one of said die members and the locking part thereof and so disposed as to be pointed in the general direction of said relative movement of advance of said last-mentioned die member, said wedge having on its front end a pair of faces converging in the general direction of said relative movement of advance of said last-mentioned die member at an acute angle to each other and shaped as portions of surfaces generated by a joint sweep in the sense of the width of the wedge of two obliquely intersecting straight lines of constant direction, said wedge faces being so disposed in angular relationship to said slideway that any pair of surface elements thereof corresponding to an elementary sweep of said generating lines fall within an acute angle with the point of intersection of said generating lines as apex and one leg extending parallel with said slideway in the direction of said relative movement of retraction of said last-mentioned die member; said mated locking parts each having a locking surface, said locking surfaces respectively matching said wedge faces in shape and orientation and facing each other obliquely when said locking parts are in relative advanced position as aforesaid, thereby forming a pair of locking surfaces engageable by said pair of converging faces of said wedge in face-to-face relationship; said

wedge being, in said association with said die member and locking part, floatingly mounted adjacent said locking surface of said locking part of said last-mentioned die member, generally aligned with said locking surface in said longitudinal sense and succeeding it in said direction of relative movement of advance of said last-mentioned die member with which said wedge is associated as aforesaid, said wedge being relatively movable in regard to said die member and locking part thereof which are respectively complementary to said last-mentioned die member and locking part in a line paralleling said slideway bodily with said last-mentioned die member and locking part for the length of travel of said relative movement of said die members, and being further linearly movable relative to both said die members and both said locking parts obliquely in regard to said slideway between a rearward disengaged and a forward locking position, being so movable from disengaged to locking position in the general direction of said relative movement of advance of said die member with which it is associated as aforesaid, said wedge in such locking position engaging said pair of locking surfaces as aforesaid for releasably locking said locking parts and said die members in their aforesaid respective relative advanced and casting positions.

2,586,897
DETERGENT COMPOSITION
Willard Howard Woodstock, Crete, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application July 3, 1948, Serial No. 37,062
14 Claims. (Cl. 252—135)

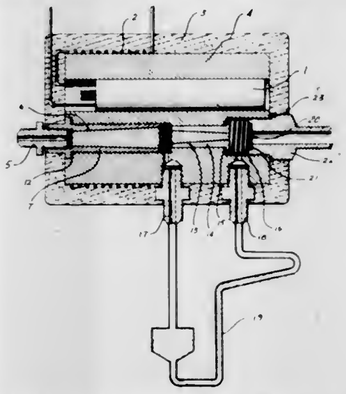
1. A detergent composition comprising 1 to 75 parts by weight of the neutral organic ester reaction product of a lauryl acid ester of a phosphorus acid selected from the group consisting of ortho, pyro, and polyphosphoric acids containing at least one acidic hydrogen atom and an olefin oxide selected from the group consisting of ethylene oxide and propylene oxides in the proportions of at least three moles of ethylene oxide and two moles of a propylene oxide for each acidic hydrogen atom, mixed with 99 to 25 parts of an alkali metal salt of a molecularly dehydrated phosphoric acid.

2,586,898
INK RESERVOIR FOR LETTERING PENS
Clarence M. Woodward, Washington, D. C.
Application August 16, 1949, Serial No. 110,706
3 Claims. (Cl. 120—113)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



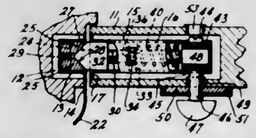
3. In a lettering pen, the improvement which comprises a cylindrical ink reservoir terminating in an ink feeding aperture and extending approximately to the rear end of a pen mounted thereon, a guiding sleeve rigidly mounted within said reservoir in line with said aperture and parallel with elements of an overlying pen and terminating adjacent to the rear end of the pen and a resilient clip straddling a cylindrical wall of said reservoir for clamping a pen thereto and a terminally tapered rod provided with a handle mounted within said sleeve and adapted to be reciprocated into and out of said aperture, said handle being operated by movements of the forefinger of a hand holding the device.

2,586,899
GAS ANALYSIS APPARATUS
Florian F. Yanikoski, Chicago Heights, Ill.
Application October 18, 1946, Serial No. 703,980
1 Claim. (Cl. 73—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A gas analysis apparatus comprising an insulated heat reservoir through which is formed a passage for the flow of gas to be analyzed, a heater winding adjacent to the said heat reservoir, a thermostatic switch operating in a manner to close and open a circuit including the said heater winding, an elongated porous mass heat exchanger removably mounted in the said gas passage, a retainer for the said heat exchanger removably mounted in the said passage, an elongated porous restriction removably mounted in the said gas passage, a retainer for the said elongated restriction removably mounted in the said passage, insulating fittings mounted in the said heat reservoir in such a manner that their internal openings connect to the said passage at opposite ends of the said elongated porous restriction, an insulating gas connector at the outlet end of the said passage, and a restrictive orifice plate mounted in the said connector between the orifice plate and outlet, and means to maintain on opposite sides of the said orifice plate a pressure drop sufficient to cause maximum flow.

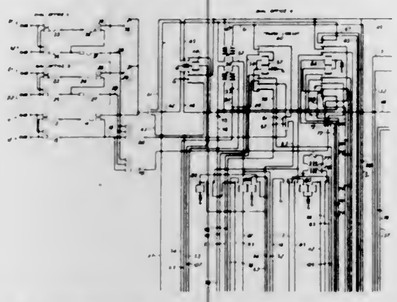
2,586,900
MAGNETIC DOOR LATCH
Wayne Alderman, Torrington, Conn.
Application November 2, 1949, Serial No. 125,024
6 Claims. (Cl. 292—74)



1. In a magnetic latch structure a strike plate with a latch recess, a permanent magnet in said recess with pole pieces forming side surfaces of the recess, said surfaces being inwardly directed from opposite outer edges of said recess, in com-

bination with a latch device comprising a reciprocable latch piece of magnetic material having surfaces mating with the surfaces of said pole pieces and spring actuated plunger means normally urging said latch piece outwardly of the device into latch engaging position.

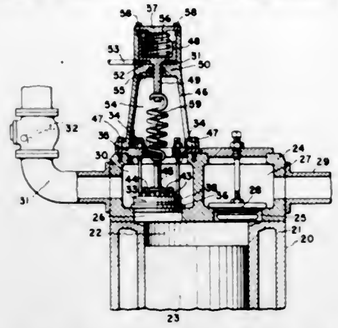
2,586,901
TWO-WAY TRUNK CIRCUIT ARRANGED FOR DIAL-BACK OPERATIONS
Sewell W. Allison, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 24, 1948, Serial No. 40,584
4 Claims. (Cl. 179—27)



1. In a telephone system comprising an operator's position, a dial office and trunks, one of said trunks interconnecting said dial office and position, an outgoing jack and a dial-back jack at said position, a trunk circuit connecting one end of said one trunk to said jacks, a signal relay in said trunk circuit operatively responsive to signals incoming over said trunk from said dial office, a key set at said position, cords for connecting either of said jacks with said key set, register senders, means effective upon connection of a cord to either of said jacks to connect a register sender to said trunk circuit, means in said register sender for registering digits under the control of said key set, means comprising said register sender and trunk circuit for transmitting digit impulses over said trunk, a control relay in said trunk circuit, means for operating said control relay responsive to operation of said signal relay, relay means in said sender circuit rendered effective by the operation of said control relay to prevent the transmission of impulses over said trunk, and means comprising a relay operated upon connection of a cord to said dial-back jack for preventing the operation of said control relay thereby to enable the transmission of impulses over said trunk while said signal relay is operated.

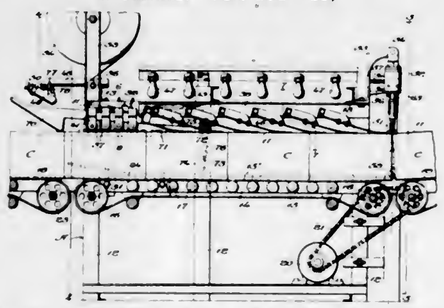
2,586,902
UNLOADER FOR COMPRESSORS
James H. Anderson, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application May 28, 1948, Serial No. 29,707
3 Claims. (Cl. 230—27)

1. In an unloader for a compressor, a casing having a compression chamber, a reciprocative piston therein, a clearance chamber, a valve for controlling communication between the compression chamber and the clearance chamber, a spring normally exerting pressure on the valve, a housing adjacent the clearance chamber and forming a chamber, a pressure fluid operated piston in said chamber, and resilient means connecting the last said piston to the valve to allow the piston to partially relieve the spring pressure on the



valve to vary the closed period of the valve during the suction stroke of the piston.

2,586,903
MECHANISM TO SEVER TAPE BETWEEN ADJACENT ENDS OF CARTONS
Otto A. Badenhausen, Brookside, N. J., Eugene A. Wahl, Garden City, N. Y., and Wilhelm Boehl, Union, N. J., assignors to P. Ballantine & Sons, Newark, N. J., a corporation of New Jersey
Application June 15, 1949, Serial No. 99,316
8 Claims. (Cl. 164—48)



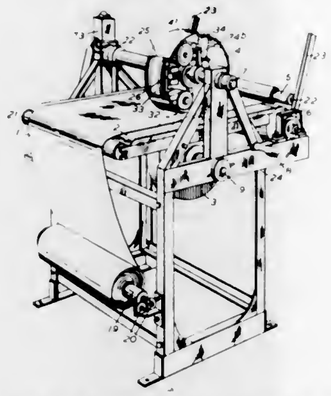
1. In a machine of the character described, a primary conveyor for advancing in end to end abutting relationship to each other a series of cartons having a continuous strip of adhesive tape applied to their tops, a discharge conveyor onto which cartons are delivered by said primary conveyor, said discharge conveyor being inclined upwardly relative to said primary conveyor to cause adjacent ends of the cartons to become spaced apart in downwardly divergent relationship to each other as the cartons move from said primary conveyor onto said discharge conveyor, a knife for severing the applied tape between adjacent ends of adjacent cartons, and means controlled by the said spacing of the cartons for controlling operation of said knife.

2,586,904
FABRIC COVERED BUTTON CONSTRUCTION
Lenard Baritz, New York, N. Y.
Application December 31, 1948, Serial No. 68,488
3 Claims. (Cl. 24—92)



1. A button comprising a top in the form of an inverted J-cross section annular rim and a collet associated in gripping relation with said rim, said collet having an annular flat band, a circumferential flange extending below the plane of said band, and a dome-shaped central portion extending above the plane of said band and cloth covering clamped between said flat band and the inside leg of the annular rim.

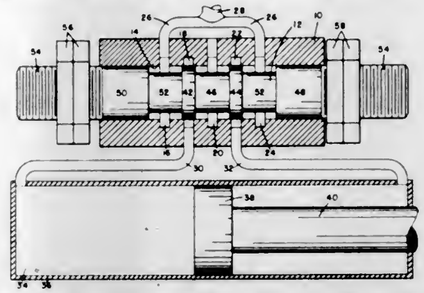
2,586,905
MARKING MACHINE FOR MARKING WEB MATERIAL
Emile Bernard Bates, Leicester, England
Application February 21, 1950, Serial No. 145,417
In Great Britain February 21, 1949
6 Claims. (Cl. 41—1)



1. A marking machine for placing successive markings on a travelling web of material, comprising a hollow rotary drum with an opening in its circumferential wall, means for rotating said drum, means in said drum for holding a spool of marking tape in freely-rotatable manner, further means in said drum to receive a take-up spool for said marking tape, said further means being movable around the axis of the drum, a driving roller for the take-up spool, a one-way clutch for rotating said driving roller in the take-up direction, a lever pivotally mounted in the drum, the pivotal movements of which drive the said clutch, an apertured tape-guiding plate in the opening in the drum, radial guides in the drum adjacent said opening, an electrically-heated iron slidable in said guides and passing through the aperture in said tape-guiding plate, a supporting roller engaging the circumferential wall of the drum, means for passing the travelling material through the nip between said roller and drum, a stationary eccentric in the drum for advancing the iron outwards as it approaches such nip and retracting it as it leaves the nip, and a stationary cam in the drum for moving the said pivoted lever, to take up the tape after the iron leaves the said nip.

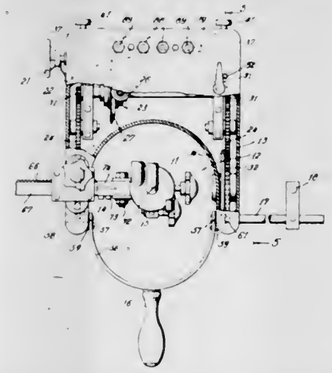
2,586,906
VALVE
Donald E. Beckett and William N. Beckett, Wilmington, Ohio, assignors of one-fourth to Heber W. Harcum and one-fourth to J. Bates Harcum, both of Wilmington, Ohio
Application October 1, 1947, Serial No. 777,278
8 Claims. (Cl. 137—139)

2. An air valve comprising a housing having a bore extending longitudinally therethrough, five annular ports in laterally spaced relationship disposed along and in open communication with said bore, a valve stem mounted for reciprocation in said bore, said stem including a pair of valving pistons for opening and closing certain of said ports wherein the width dimension of each of said pistons is of a dimension only .005 of an inch greater than the overall width of their respective ports and a second pair of pistons, one



on either side of said first pair wherein the diameter and area of the side faces of all of the pistons are equal and wherein the pistons of the second pair are spaced from their respective adjacent valving pistons for precluding interference of the pistons comprising the second pair with said ports incident to actuation of the valve.

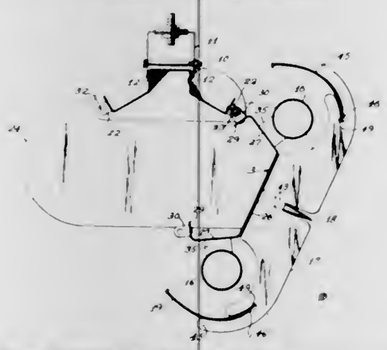
2,586,907
PORTABLE SHAPE CUTTER
Arthur A. Bernard, Chicago, Ill.
Application June 3, 1948, Serial No. 30,867
6 Claims. (Cl. 266—23)



1. A portable shape following machine including a frame having spaced forward extensions forming a gap therebetween, a drive wheel individually mounted on each extension and spaced from the gap by a wall of the frame adjacent the wheel, one of said forward extensions having an apertured arm holder associated therewith, a torch-supporting arm extending through said aperture, a straight line torch carried by said arm, said arm being adapted for optionally positioning said torch directed in a vertical line toward a point midway between the bottoms of the wheels, directed toward said point along a line inclined to the vertical but lying in a vertical plane coinciding with the axis of the wheels, or directed toward a point on the other side of said extension from the gap, all parts of the frame being substantially as far from the torch as the walls adjacent the wheels, a motor carried by said frame with its axis extending transversely of the frame, a differential gear unit carried by said frame to the rear of said gap adjacent to the motor and including a planetary gear driven by

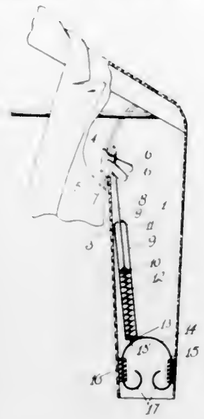
said motor and side gears meshing with the planetary gear, means extending forwardly through the frame extensions connecting each wheel with one side gear to be driven thereby, a handle carried by the frame for turning the machine about said point while other movement is controlled by the differential unit, and a swiveled roller for supporting the rear part of the frame and facilitating its movement in any direction; visibility of said point being substantially unobstructed unless by said torch from all positions on lines extending upwardly from said point at elevations of 45 degrees to 75 degrees in a vertical plane extending directly forwardly from said point.

2,586,908
LIGHTING FIXTURE AND LOUVER FOR ELONGATED TUBULAR LAMPS
Robert I. Berry, Chicago, Ill.
Application December 1, 1949, Serial No. 130,428
4 Claims. (Cl. 240—51.11)



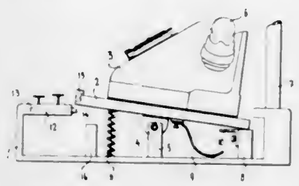
1. In a lighting fixture for elongated horizontal fluorescent tubes, an elongated support member adapted to be suspended from the ceiling, a tube supporting body extending along said support member and secured thereto to depend therefrom and having sockets extending laterally from opposite sides and ends thereof and supporting the tubes to extend along opposite sides of said body in laterally spaced relation with respect thereto, screening means extending laterally from said body beneath said tubes and including a longitudinally extending hanger depending from said body and longitudinally spaced louvers supported thereon and extending laterally therefrom in opposite directions beyond the outer sides of said tubes and having upwardly curving outer end portions spaced from and substantially conforming to the forms of said tubes for a portion of the circumference thereof, the upwardly curving outer end portions of said louvers having upwardly opening slots extending therealong, and arcuate reflectors mounted in said slots by sliding movement from the outer ends of said louvers and supported thereby to extend along the outer sides of and upwardly above said tubes in laterally spaced relation with respect thereto, the inner end portions of said reflectors extending at an angle with respect to the body thereof and the curvature of said reflectors being different from the curvature of the slotted portions of said louvers and holding said end portions in interengagement with said louvers by the difference in curvature thereof and the weight of said reflectors thereon and the distance between said louvers and reflectors and said body and sockets and tubes being sufficient to permit ready removal of said tubes without removing said reflectors and louvers.

2,586,909
COAT HANGER AND SLEEVE WRINKLE REMOVER
Edward L. Blackman, Greenwich, Conn.
Application November 7, 1947, Serial No. 784,677
4 Claims. (Cl. 223—72)



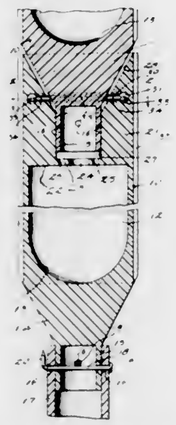
1. The combination in a coat hanger and sleeve dewrinkler of a clamp adapted to engage the front inside portion of the cloth surrounding the armhole of a coat and adapted to be manually engaged and disengaged therewith, an expansible and manually contractible member for engaging frictionally the cuff of the sleeve of said coat on the inside, means connected with said member and clamp for exerting pressure on the cloth surrounding the arm-hole of a coat and tension on the sleeve between said clamp and cuff engaging member.

2,586,910
LAMP SWITCH ACTUATOR FOR USE IN CONJUNCTION WITH A TELEPHONE APPARATUS
Edward A. Bolle, Lidingoe, Sweden
Application January 24, 1951, Serial No. 207,566
In Sweden October 12, 1950
9 Claims. (Cl. 200—85)



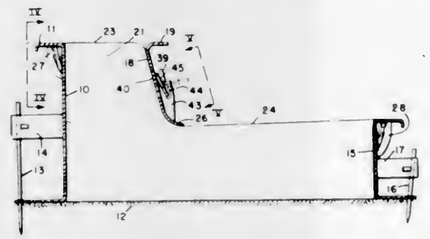
1. A lamp switch actuator for use in conjunction with a telephone apparatus comprising: a frame, a supporting plate arranged for carrying the telephone apparatus, said supporting plate being movably mounted on said frame and being capable of assuming a first end position, an intermediate position and a second end position, cooperating holding means on said frame and said movable plate, said holding means being normally in an effective position for holding said plate in said intermediate position and being displaceable into an ineffective position for permitting movement of said plate into said second end position, said movable plate being in said first end position when the receiver of the telephone is placed on the apparatus and moving automatically from said first end position into one of said other positions in response to a lifting of said receiver from the apparatus, and a switch comprising a first contact element secured to said movable plate and a second contact element secured to said frame, said contact elements being disengaged from each other when said movable plate is in its first end position and in its intermediate position, and said contact elements being engaged with each other when said movable plate is in its second end position.

2,586,911
FRANGIBLE CONTAINER FOR EXPLOSIVES
Verle R. Bottom, Delaware, Okla.
Application March 23, 1950, Serial No. 151,463
5 Claims. (Cl. 102—24)



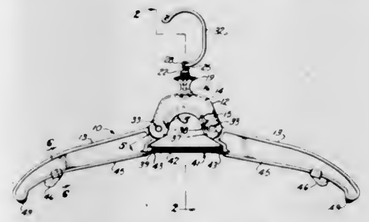
1. In a container for explosives particularly adapted for shooting oil wells, a cylindrical member comprised of frangible material, an interior recess adapted to be filled with liquid explosive, a frustro-conical tapered lower extremity on said member, a frustro-conical recess in the upper extremity of said member, and a retractile bail disposed in said recess whereby a plurality of said containers may be individually lowered into a well and be vertically nested.

2,586,912
CURB AND GUTTER FORM
Ottwin L. Braun, Pittsburgh, Pa., assignor to Reliance Steel Products Company, McKeesport, Pa., a corporation of Pennsylvania
Application June 7, 1947, Serial No. 753,274
6 Claims. (Cl. 25—118)



1. For use in a construction mold, the combination of an edge rail having a top flange and a connecting vertical web, a curb form having a web portion, a spacer member extending between the rail and the form, a slot partly in the top flange and partly in the web, a lug on the spacer member extending through the slot, a slot in the web of the curb form, a projection on the spacer member extending through the last mentioned slot, a cam surface on the lug extending downwardly and inwardly toward the rail web, a cam surface on the projection extending downwardly and inwardly toward the curb form web, a link member slidably engaging the rail web and cam surface of the lug and a link member slidably engaging the form web and cam surface of the projection whereby the rail, the form and the spacer member may be fastened together.

2,586,913
CLOTHES HANGER
Bruce Burns, Yucca Valley, Calif.
Application April 8, 1948, Serial No. 19,797
4 Claims. (Cl. 223—94)

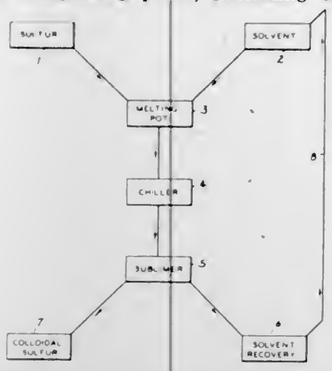


1. A clothes hanger adapted, when in its open position, to support a garment, the parts of which are adapted to be moved from said open position into a closed position in which they can be readily inserted into a garment through the neck opening thereof without unbuttoning the garment, comprising: a central yoke; a suspension member secured in the upper central portion of said yoke and extending upwardly therefrom, the upper portion of said suspension member being so shaped as to be readily engaged by a hook or other supporting member; two garment supporting arms, one of these garment supporting arms being pivoted at one end to one side of said yoke and the other of these garment supporting arms being pivoted at one end to the other side of said yoke, said yoke being narrower in width than the neck of a garment which the hanger is designed to support, the upper edges of said arms when said hanger is in its open position being so curved as to conform to the shoulder lines of said garment; and a helical spring, one end of said spring engaging one of said arms and the other end of said spring engaging the other of said arms, said spring being so placed and of such length that when said arms are in their extended position the spring extends in a straight line between said arms and acts as a column or strut which resists any tendency of said arms to move away from said extended position.

2,586,914
COLLOIDAL SULFUR
Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 5, 1949, Serial No. 91,535
9 Claims. (Cl. 23—224)

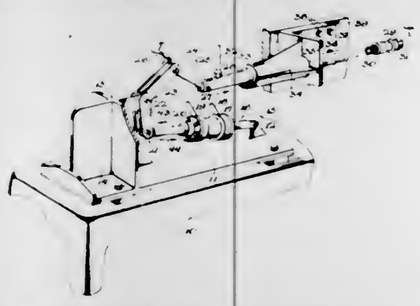
1. A method for the production of hydrophilic colloidal sulfur having a high static charge comprising dispersing sulfur in molten para dichlor-

benzene, chilling the dispersion to a temperature below its congealing point, subliming the para



dichlorbenzene and recovering the colloidal sulfur.

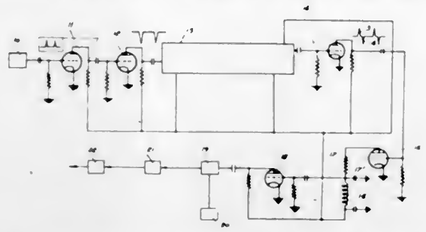
2,586,915
MECHANISM FOR OPERATING A SEALING COLLET
Paul E. Cate, Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware
Application September 24, 1947, Serial No. 775,927
5 Claims. (Cl. 153—73)



1. In a machine for hydraulically forming bellows having a rectilinearly movable collet engaging the tube to be corrugated and a hydraulically actuated piston for moving the collet, means for connecting said collet to said piston, said means comprising a spindle to which said collet is secured, a link pivoted to said spindle, a second link pivoted at one end to said first named link and movable in one direction into the path of rotation thereof, said second link being pivoted medially to the machine, and a piston rod connected to said piston and pivotally connected to the other end of said second named link for rotating said links into mutual operative engagement sufficient for limiting further rotation thereof in said direction.

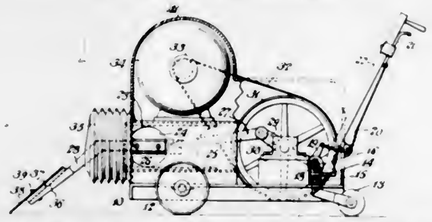
2,586,916
FREQUENCY CONTROL DEVICE
Emile Chamagne, Paris, and André Charbonnier, Montmorency, France; said Chamagne assignor to Radiodiffusion Francaise, a French firm
Application April 16, 1948, Serial No. 21,398
In France May 7, 1947
6 Claims. (Cl. 332—1)

1. An arrangement for transforming a position-modulated pulsatory wave into a frequency-modulated wave comprising, in combination, a receiver for said waves, an amplifier, an inverter adapted to transform the positive pulses into negative pulses, a multivibrator released by said negative pulses and producing positive pulses identical with each other, the relative positions of which are the same as for the input pulses, derivation means at the output of which each pulse gives rise to a positive surge and a negative surge, an oscilla-



tory stage the oscillation of which is started through the application of said surges and which produces an oscillation the frequency of which depends on the interval separating the two successive surges of the same sign, the said oscillation being guided on its positive and negative alternations.

2,586,917
ROOFER'S SLAG SCRAPER
Michael Conforto, Philadelphia, Pa.
Application December 31, 1946, Serial No. 719,391
5 Claims. (Cl. 262—13)

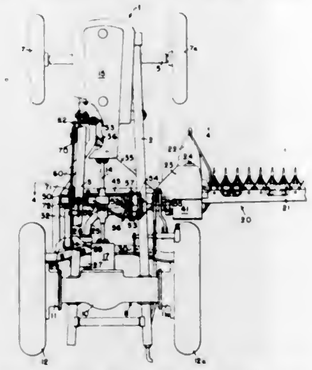


1. A slag scraper comprising a frame, wheels on which the front end of said frame is mounted, casters on which the rear end of the frame is mounted, said casters being revolvably and slidably mounted relative to said frame, a bar connected to said casters, manually operable means connected with the frame for exerting pressure on the bar to elevate the rear end of the frame for tilting the latter while said means is continuously held by an operator, a cylinder fixed on the forward end of said frame, a piston slidably mounted in said cylinder, means to reciprocate said piston, a blade holding shank secured to the piston and projecting forwardly and downwardly, a scraper blade adjustably mounted on said shank, and a dust cap connected to the forward end of the cylinder and to the blade holding shank and capable of projection and retraction with said shank.

2,586,918
MOWER
Wilbur J. Coultas, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 7, 1946, Serial No. 675,009
5 Claims. (Cl. 56—25)

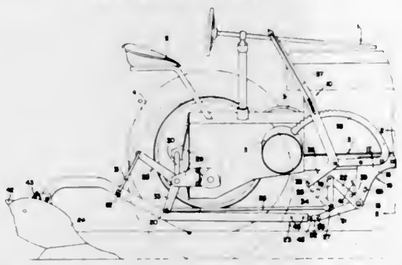
1. The combination with a tractor having a power shaft and a longitudinally extending frame carried on a pair of laterally spaced rear wheels, a mower comprising a supporting bar

pivotally connected to said frame to provide for horizontal swinging and a cutter bar attached to said supporting bar, releasable latch mechanism cooperating between the mower and one of the aforesaid bars and including relatively movable latch parts normally closed to hold said mower against horizontal swinging but separable to open for releasing said mower, a power drive for said mower comprising a drive pulley attached to said power shaft, a pitman wheel having a pulley associated with said arm and swingable therewith about said pivot and oper-



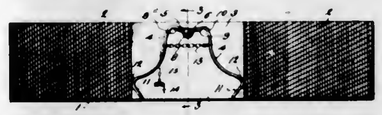
atively connected with said cutter bar, a driving belt trained over said drive pulley and said pitman pulley, a belt tightener frame pivoted adjacent one end to said frame and carrying an idler pulley at its other end engageable with said belt to connect said drive pulley to said pitman pulley, and means connected between at least one of said latch parts and the tightener frame and operative in response to relative movement of the latch parts upon opening thereof for swinging said tightener frame to loosen said belt and disconnect said power drive.

2,586,919
PLOW
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 10, 1944, Serial No. 534,948
20 Claims. (Cl. 97—47)



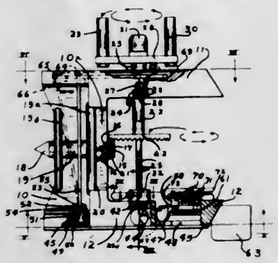
4. In a plow, a mobile support, a plow beam having a furrow opener fixed to the rear end thereof, a pair of members mounted on said mobile support, one connected between the front end of said beam and said support and the other connected between said support and the rear end of said beam, a pair of pivotally interconnected links pivoted, respectively, to said members, and a control member connected with said links at the point of their pivotal connection.

2,586,920
CARD SEPARATOR AND SUPPORT
Howard Crouch, Arlington, Va.
Application February 14, 1949, Serial No. 76,240
1 Claim. (Cl. 129—32)



A card separator comprising companion sections formed of stiff sheet material and having upper portions bent towards each other and forming extensions disposed at substantially right angles to the length of said sections and having sets of hinge ears pivoted to each other by a hinge pin, meeting portions of said extensions being formed with registering recesses, forming an opening through which a portion of said hinge pin passes, a spring about the portion of the hinge pin passing through said opening having portions engaging under faces of said extensions and urging the said sections away from each other towards an extended position, lower end portions of said sections being bent inwardly and forming lips extending diagonally at a downward incline and having lower edges abutting when the said sections are swung towards each other to a retracted position, portions of said sections between their lips and their inwardly extending upper extensions being bowed inwardly and forming outer finger-receiving recesses extending the full width of the said sections and having their upper ends spaced downwardly from the said upper extensions, and a U-shaped clip of stiff material connected with one of said sections by a flexible carrier and having a bridge portion and side arms spaced from each other a distance adapting the clip to straddle the contacting portions of the inwardly bowed portions of the said sections and hold the sections retracted.

2,586,921
FISHING LINE REEL DEVICE
Orval E. Delphon, Wichita, Kans.
Application August 29, 1949, Serial No. 112,915
5 Claims. (Cl. 242—84.4)



1. In a fishing line reel device of the kind described; said device having a case, a reel shaft, said reel shaft being revolvably carried by said case, a reel spool, said reel spool having a rear and a forward flange, said reel spool being rigidly mounted on said reel shaft and having the said rear flange thereof revolvably positioned in a recess in the said case, a miter pinion, said miter pinion being rigidly mounted on the inner end of the said reel shaft and within said case, a second shaft, said second shaft passing substantially through said case and having one end thereof

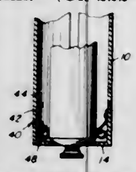
projecting from said case, the center axes of the two said shafts intersecting each other within said case, a crank and crank handle thereon, said crank being rigidly mounted on the outer exposed end of the second said shaft, a miter drive gear, said miter drive gear being rigidly mounted on the second said shaft and being in mesh with the said miter pinion, a clutch drum, said clutch drum having a hollow hub, said clutch drum and hub being revolvably carried by and within said case, the inner end of the second said shaft having a spindle integrally formed thereon, said second shaft and spindle being revolvably carried in the said clutch drum and hub, and means carried by said clutch drum for engaging the second said shaft for preventing rotation of the second said shaft in one direction only, a friction shoe, said friction shoe being engageable with the said clutch hub, and means for adjustably decreasing and increasing the pressure of said shoe on the said hub from nothing to effecting a complete lock against the turning of the clutch hub and drum, a fish line guide, said guide being arcuate in form and normally positioned around one side of the said reel spool, and means attached to one end of the guide for reciprocal movement of the guide from front to back of the reel spool, said means for swinging one end of the said guide being reciprocally movable from an eccentric carried by the second said shaft, and means for rocking the said guide a half turn across the reel spool for disengagement with the fish line during the operation of casting.

2,586,922

TOOTH PASTE DISPENSER WITH TENSION MEANS FOR HOLDING THE TUBE IN POSITION

William H. De Moss, Childress, Tex.

Application April 9, 1948, Serial No. 20,020
1 Claim. (Cl. 222—100)



A dispenser for a tube having a neck portion comprising a substantially cylindrical hollow container open at its top end and having an aperture in its bottom wall for receiving the neck portion of the tube, diametrically opposed elongated slots in the side walls of said container, a key extending through said slots having a knob at one end disposed exteriorly of the container, and a longitudinal slit through said key for receiving the tube, and tension means carried interiorly of said container for retaining the tube in position in said container, said tension means including diametrically opposed spring clips secured interiorly of said container adjacent its bottom wall, said spring clips including scroll portions adapted to bear against diametrically opposed portions of a tube adjacent its neck portion.

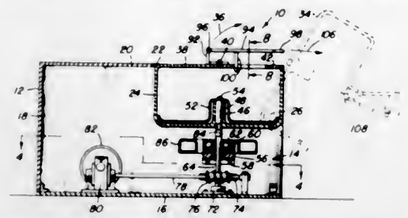
2,586,923

CORN POPPING MACHINE

Carroll A. Dondanville, Chicago, Ill.

Application May 5, 1949, Serial No. 91,481
1 Claim. (Cl. 99—238.5)

In a corn popping machine, the combination of a normally upright receptacle mounted for forward tilting movement about a transverse horizontal axis, a top wall provided on the rear half portion of said receptable, the front half portion of the receptacle having an opening at the top thereof, a cover for said opening hinged at its rear edge to the front edge of said top wall, a forwardly projecting handle pivotally connected to said top wall for tilting the receptacle, and an operative connection between said handle and said cover whereby the cover is opened when the



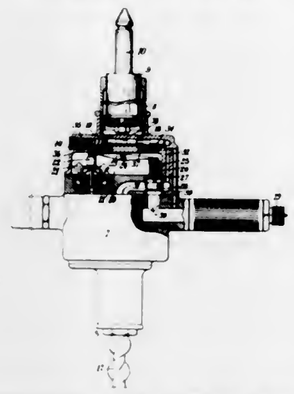
receptacle is tilted, said operative connection comprising a downwardly projecting finger provided intermediate the ends of said handle and formed at the opposite side edges of the lower end portion thereof with notches defining a sectionally reduced neck, said cover being provided with a forwardly and rearwardly extending slot, the lower end of said finger projecting through said cover and said neck being slidable in said slot whereby the finger is operatively connected to the cover.

2,586,924

PORTABLE PNEUMATIC DRILL WITH AUTOMATIC ADJUSTMENT OF THE TOOL THRUST AND TORQUE

Pierre Robert Fernand Dosmond, Villerupt, France, assignor of one-half to Forges & Ateliers de Meudon, Meudon, France, a body corporate of France

Application March 5, 1947, Serial No. 732,435
In France November 5, 1945
4 Claims. (Cl. 255—45)



1. A pneumatic rock drilling machine with automatic tool thrust and torque regulating means, comprising a rotary tool adapted to exert a thrust against the rock to be drilled, a compressed air motor for rotatably driving said tool including a compressed-air inlet port, means for varying the cross-sectional area of said port, a body containing said motor, a cylinder forming an extension of said body at the end thereof opposite to said tool, an air inlet port and a venting port for said cylinder, means for varying the cross-sectional areas of said ports of said cylinder, a piston slidably mounted in said cylinder and

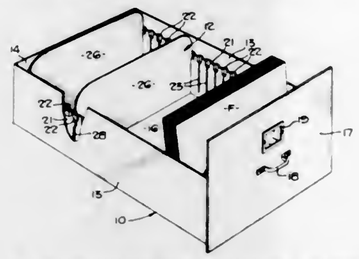
arranged to bear against a fixed support, a compressed air duct leading both to said motor inlet port and said cylinder inlet port, a centrifugal regulator rotatably driven by said motor, and connecting means between said regulator and the means which varies the inlet port of said motor and the means which varies the inlet and venting ports of said cylinder, to raise the pressure of the air supplied to said motor and reduce the pressure in said cylinder as the rotational speed of said motor decreases.

2,586,925

FILE SUPPORT

Virgil Drengberg, Pasadena, Calif.

Application July 28, 1949, Serial No. 107,327
4 Claims. (Cl. 220—22)



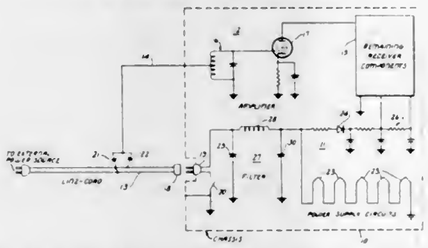
1. A file support for filing cabinet drawers comprising independent and individually movable spaced parallel side plates formed with spaced vertical slots ending in each instance at their upper ends adjacent the top of the plate in offset vertical parallel channels open at their tops and bottoms, and separators seated in aligned slots of said parallel plates, said separators being formed at their ends with oppositely turned flanges hooking exteriorly adjacent and in plane contact with said side plates to prevent the displacement of said separating plates from said slots in any but a vertical direction and from the open end of said slots.

2,586,926

HIGH-FREQUENCY FILTER FOR RADIO RECEIVERS

John M. Dyer, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application May 28, 1949, Serial No. 95,945
4 Claims. (Cl. 250—20)



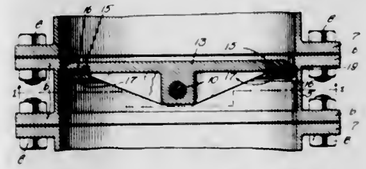
1. A power-line operated radio receiver comprising: a relatively large electrically conductive element forming a radio-frequency ground, a pair of power input terminals, a line-cord connected at the receiver end thereof to said terminals and adapted to be connected, at its other end, to an external source of electrical power, means providing a path having low impedance at radio frequencies between both said terminals and said element, a radio-frequency input stage, coupling means providing a radio-frequency connection between said line-cord and the radio-frequency input circuit of said radio-frequency input stage whereby to supply to said stage radio-frequency signals intercepted by said line-cord acting as an antenna, means connecting the heaters of said vacuum tubes in series, and means including a filter having at least one series inductance element for connecting said series-connected heaters to said terminals, said filter introducing high radio-frequency attenuation between said heaters and said line-cord, thereby to reduce radio-frequency feedback from said heaters to said line-cord.

2,586,927

BUTTERFLY VALVE

Fred C. Fantz, Logan Township, Auglaize County, Ohio, assignor to Henry Pratt Company, a corporation of Illinois

Application August 22, 1945, Serial No. 611,971
3 Claims. (Cl. 251—11)



1. A high pressure butterfly valve comprising, a cylindrical body having at one end an inwardly extending annular flange, a transverse rotary shaft diametrically journaled in and extending through said body near but upstream from said flange, a disc-like plate of less diameter than the inner side of said flange secured to said shaft within said body and positioned on said shaft as to lie substantially in the plane of the flange when the valve is in closed position, a tapered annular seat positioned within the cylindrical body with the thicker edge of the seat being located upstream from the thicker edge and of said annular seat abutting said flange and the thinner edge extending around the inner face of said body, a rubber-like annular gasket secured to the marginal edge portion of said plate on the high pressure side to make an increasingly tight connection with said tapered seat as pressure on the gasket is increased, all portions of the tapered face of said annular seat being approximately equidistant from a point at the intersection of the axis of the body and the axis of rotation of the rotary shaft.

2,586,928

SEPARATION OF OXYGEN-CONTAINING CHEMICAL COMPOUNDS

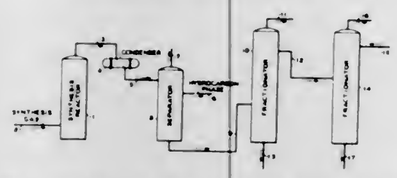
Harold W. Fleming, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application January 4, 1949, Serial No. 69,233
11 Claims. (Cl. 260—488)

11. A process for resolving a mixture of n-butyraldehyde, methyl ethyl ketone, ethyl acetate, ethyl alcohol, and water which comprises introducing said mixture into the lower end of a rectifying column; introducing into the upper end of said column formic acid stoichiometrically equivalent to the alcohol and acetate therein, together with sulfuric acid; regulating the amount of sulfuric acid in the column so as to maintain the same in the range of 0.01 to 10 liquid volume per cent of the total mixture in the column;

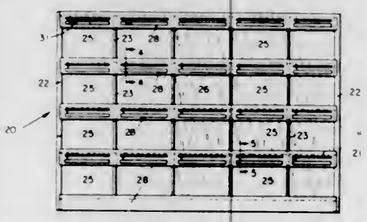
maintaining reaction conditions in said column so as to react said ethyl acetate and ethyl alcohol with said formic acid and convert same to ethyl formate; recovering an overhead fraction from said column comprising ethyl formate, butyraldehyde-water azeotrope and methyl ethyl ketone-water azeotrope; and separating said overhead fraction into its components by distillation.

2,586,929
SEPARATION OF OXYGENATED ORGANIC COMPOUNDS
Harold W. Fleming, Bartlesville, and John S. Cromeans, Dewey, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application April 18, 1949, Serial No. 88,092
3 Claims. (Cl. 260—488)



1. The method of resolving the normally liquid reaction products obtained from the hydrogenation of a carbon oxide, which comprises separating said reaction products into a hydrocarbon phase and an aqueous phase, removing from said aqueous phase reaction products having a boiling point no higher than 77° C., distilling from the reaction products boiling above 77° C. an azeotrope consisting essentially of methyl-n-propyl ketone, ethyl alcohol and water, reacting ethyl alcohol in said azeotrope with no more than the stoichiometric equivalent of an organic acid selected from the group consisting of formic acid and acetic acid, and recovering from the resulting mixture by distillation (*a*) a different, lower-boiling fraction containing thus-formed ester and (*b*) a higher-boiling fraction enriched in methyl n-propyl ketone.

2,586,930
INDICATOR FOR CABINETS
William F. Florence, Pasadena, Calif.
Application January 7, 1948, Serial No. 1,029
2 Claims. (Cl. 116—135)



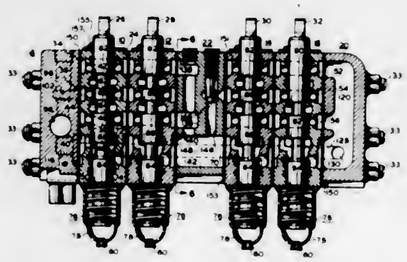
1. Indicating means for a cabinet of the type comprising a rigid body having spaced sides and divided into pigeonholes extended between said sides each of which is open at at least one of its ends at said spaced sides, said means comprising individual intelligence-conveying markings for each of said pigeonholes positioned upon the opposite sides of said body and at the opposite ends of the related pigeonhole, the markings upon opposite sides being arranged sequentially in reversed order, manually adjustable pointers positioned adjacent the markings upon the opposite sides of said body, and a rigid connecting element extended between said pointers at the opposite ends of a particular pigeonhole connecting them for simultaneous conjoint movement, said element being slidably mounted in said body.

2,586,931
CLOSURE FOR PAPER RECEPTACLES
Benjamin W. Gammon, Hollis, N. Y.
Application September 29, 1949, Serial No. 118,588
1 Claim. (Cl. 24—30.5)



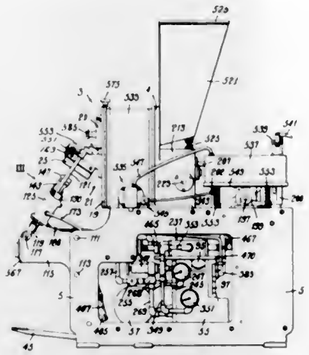
A substantially channel-shaped strip of substantially rigid but slightly resilient sheet material comprising a base and side walls, the side walls converging toward each other so that the width of the base is several times the width of the spacing between the parallel free-end portions of the side walls, the side walls being flat and of a width at least equal to the width of the base, and a base having substantially rectangular portions extending inwardly from each side and being in substantially the same plane, and a longitudinal groove connecting said base portions, said channel-shaped strip being adapted to fit over and receive the meeting edges of a package.

2,586,932
POWER TRANSMISSION
Duncan B. Gardiner and Robert A. Erskine, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application July 25, 1949, Serial No. 106,618
16 Claims. (Cl. 60—97)



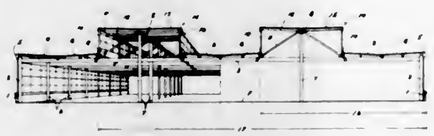
12. A valve housing for use in a multiple valve bank, said housing having a bore for receiving a shiftable control valve member, at least one external operating port connected to the bore, means forming a metering passage which intersects the bore and having an opening on a face of the housing, a manifold passage extending completely through the housing on a different plane than the valve bore and having openings on opposing faces of the housing including the face of the housing having the metering passage opening, and means connecting the metering passage to the manifold passage.

2,586,933
SHOE BOTTOM FILLING MACHINE
Leslie Garratt, Leicester, and Percy White, Worcester Park, England, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 3, 1951, Serial No. 204,112
In Great Britain January 28, 1950
7 Claims. (Cl. 12—79.6)



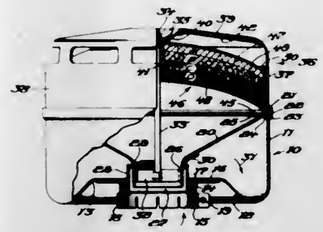
1. A machine for filling a cavity in a shoe bottom including a matrix for closing said cavity, said matrix having a passage for the flow of filling composition to said cavity, means for forcing said composition through said passage, and a two-way valve arranged to control said passage with one port of said valve being adapted to open and close approximately in the plane of the matrix.

2,586,934
BUILDING CONSTRUCTION
Alfred H. Gerber, Bay Village, Ohio, assignor to The H. K. Ferguson Company, Cleveland, Ohio, a corporation of Ohio
Application January 30, 1948, Serial No. 5,425
4 Claims. (Cl. 108—1)



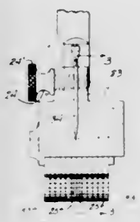
1. In a building construction, the combination of a beam unit, supports for the ends and intermediate portion of said beam unit including a continuous column extending upwardly above the intermediate portion of said beam unit, a monitor frame carried on an intermediate portion of said beam unit, said column extending upwardly into said monitor frame, said beam unit being of depth and strength relative to the loading thereof and to the span between said supports to require added support, and a pair of diagonal members connected to the upper end portion of said column and to said beam unit on opposite sides of said column at points between said column and the respective supports for the ends of said beam unit so as to provide such added support for said beam unit without increasing the height of the building and without decreasing and obstructing the clearance space below said beam unit.

2,586,935
GAS FILTER
Gerhard Gerson, Rumford, R. I., assignor to Fram Corporation, a corporation of Rhode Island
Application March 26, 1948, Serial No. 17,169
7 Claims. (Cl. 183—45)



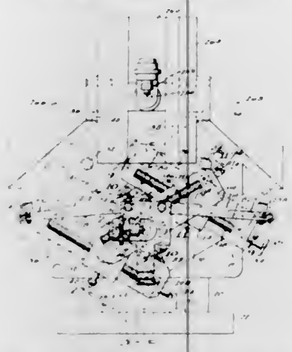
1. An air filter comprising a resonator having a central air conduit therethrough and an annular upwardly facing sealing surface spaced outwardly therefrom, a removable cartridge having a shell presenting a cooperating annular downwardly facing surface to engage and rest upon said sealing surface, said shell being generally in the shape of an inverted cup with an open bottom to communicate with said air conduit and having an opening in the shell at its upper portion for the admission of air, releasable means spaced from the sealing surfaces for urging the surfaces into sealing relation and a dust collecting medium positioned between the opening and open bottom, said medium comprising a fibrous material.

2,586,936
UNIVERSAL PRESSER FOOT FOR SEWING MACHINES
Murray Goldstein, Scranton, Pa.
Application March 16, 1951, Serial No. 215,927
5 Claims. (Cl. 112—235)



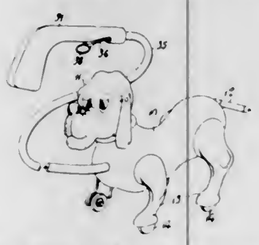
2. A sewing machine presser foot comprising a hollow mounting block closed at one end and having a presser foot bar receiving socket projecting outwardly from one side thereof, the other end of said mounting block and the side thereof remote from said socket being open, a plurality of L-shaped flat plates disposed in side by side relationship and each having one leg disposed in said block and extending through the open side of the latter and its other leg projecting laterally from one side of said block substantially perpendicular thereto, and screw means acting between the closed end of said block and the side of said plurality of L-shaped plates remote from said closed end firmly clamping said L-shaped plates in adjusted position in said block.

2,586,937
GRINDING-WHEEL DRESSING FIXTURE
Harry H. Gotberg and Joseph Silvagi, Detroit, Mich., assignors to Colonial Broach Company, Warren Township, Mich., a corporation of Delaware
Application June 23, 1950, Serial No. 169,888
8 Claims. (Cl. 125—11)



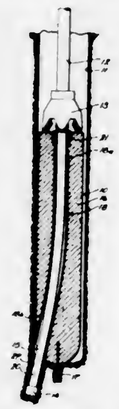
1. A grinding-wheel dresser comprising a support; a master cam carried by said support; pivoted links forming a parallelogram having opposed pivots, one pivot being fastened to the support and the other pivot having an extension constituting a follower for said cam member; a cross link pivotally connected to and longitudinally adjustable along opposite links forming said parallelogram; a wheel-dressing device having a wheel-dressing point, a chuck carrying said point, and a mounting supporting said chuck for oscillation on said cross link; a control arm extending between the chuck and one of the links forming said parallelogram; pivots connecting opposite ends of said control arm to said chuck and said one link respectively, and means holding said control arm against independent longitudinal movement relative to said pivots, said control arm being operative to hold the dressing point continually normal to the surface being dressed as the follower is moved along the cam surface.

2,586,938
LEAPING FIGURE TOY
John Pinkney Gowland, Palo Alto, Calif.
Application April 5, 1948, Serial No. 19,042
In Great Britain April 8, 1947
3 Claims. (Cl. 46—129)



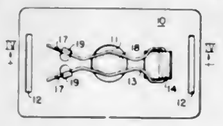
1. A toy representing a quadruped figure, said toy including a hollow body, a pair of forelegs and a pair of hind legs pivoted to the body and means for operating said legs consisting of a bar, a resilient connector and sheath-and-core type flexible actuating means, said bar being pivotally attached near one end to said forelegs and near the other end to said hind legs at points removed from those at which the legs are attached to the body, said bar being connected to one end of said body by means of said resilient connector, the sheath of said flexible actuating means being attached to said body with its core extending through said body and attached to said bar, whereby outward displacement of said core relative to said sheath will cause said bar to move relatively to said body against the urge of said resilient connector and thereby operate said legs.

2,586,939
DIRECTED WELL DRILLING
Donovan B. Grable, Long Beach, Calif.
Application November 12, 1946, Serial No. 709,229
7 Claims. (Cl. 255—1.6)



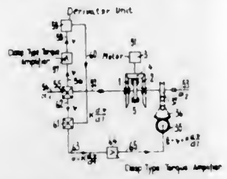
1. In combination with a pipe string carrying an upper larger diameter cutting tool and a lower pilot cutting tool, a body releasably connected to said pilot cutting tool and adapted to be lowered therewith to setting position in the well, said body containing a passage which in turn contains said pilot tool and is inclined from the vertical and of sufficient size to pass said pilot cutting tool within the body and cause the tool to be deflected laterally into the formation, and a tubular connection between said pilot tool and said upper cutting tool and positioning the tools so that following deflection of the pilot tool into the formation the upper tool engages and drills away the body as drilling progresses.

2,586,940
SURGICAL APPLIANCE
Albert R. Graham, Pittsburgh, Pa.; Albert E. Graham and Carl F. Graham executors of Albert R. Graham, deceased
Application October 30, 1947, Serial No. 783,075
5 Claims. (Cl. 128—349)



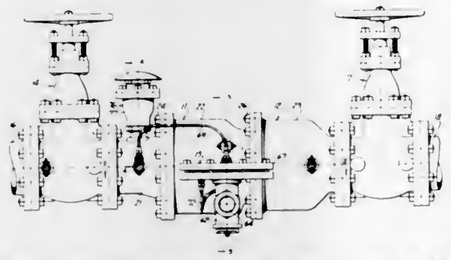
1. A surgical appliance comprising, a metal plate having an opening therein for receiving a flexible tube, a wire clamp generally of a U-shape hinged to said plate at the base of the U and having its arms disposed over said opening to engage the tube, and hook means on said plate for releasably engaging the arms of said clamp, said clamp being swingable in a plane perpendicular to the plate when said arms are released from said hook means.

2,586,941
MECHANICAL TORQUE AMPLIFIER
Edgar Gretener, Zurich, and Kurt Ehrat, Baden, Switzerland; said Ehrat assignor to said Gretener
Application March 4, 1948, Serial No. 13,063
In Switzerland March 5, 1947
12 Claims. (Cl. 74—388)



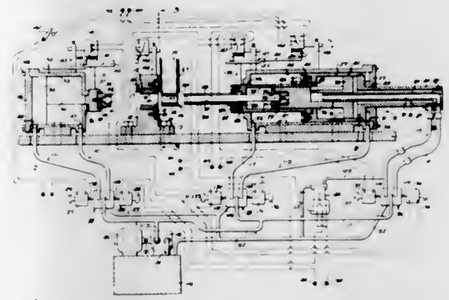
1. In a torque amplifier of the mechanical type, a motor, a pair of clutches of the friction element type, means connecting the driving element of each clutch to said motor, a high torque output shaft coupled to the driven element of each clutch, the torque between the driving and driven clutch elements being variable with the coupling pressure therebetween, a low torque input shaft, and means responsive to the angular deviation between said input and output shafts for alternatively coupling one or the other of said driven clutch elements to its associated driving element, the sense of said angular deviation determining selection of the particular driven clutch element coupled and the speed of said input shaft determining the clutch coupling pressure, last said means including a clasping type torque amplifier.

2,586,942
APPARATUS FOR PREVENTING BACKFLOW OF LIQUID
Marvin H. Grove, Piedmont, Calif., assignor, by mesne assignments, to Grove Regulator Company, a corporation of California
Application November 8, 1947, Serial No. 784,837
4 Claims. (Cl. 137—78)



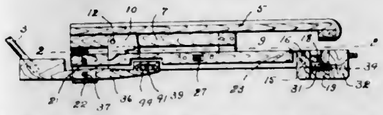
1. In valve apparatus for preventing back flow of water from consumer piping to water supply piping, a first check valve having its inlet connected to the supply piping, said check valve requiring application of a substantial pressure differential to effect opening of the same, a second check valve having its inlet connected to the outlet of the first check valve and having its outlet connected to consumer piping, said second valve including a flexible diaphragm-like valve member interposed between the inlet and outlet passages of the same when the valve is closed and capable of substantial deflection after the valve is closed, an unloading valve movable between open and closed positions and connected to the space between said check valves, and means serving to operate said unloading valve responsive to a condition in which the pressure in said space attains a value substantially equal to the supply pressure, said flexible valve member of the second valve being capable of deflection to transmit back pressure in the consumer piping to the space between the check valves to thereby cause operation of the unloading valve.

2,586,943
MACHINE FOR SIZING BUSHINGS
John Haller, Northville, Mich.
Application April 25, 1947, Serial No. 743,875
8 Claims. (Cl. 78—18)



1. In combination in a bushing sizing apparatus, an external bushing sizing member having a sizing bore therein open at both ends with its internal diameter slightly smaller than the external diameter of the bushing to be sized for receiving said bushing, a movable abutment member engageable with one end of said external sizing member, a bushing feeding member of smaller diameter than said bore engageable with one end of said bushing to feed said bushing into said sizing bore, an internal bushing sizing member of the internal diameter desired for said bushing engageable with the interior of said bushing, fluid pressure motors connected to said abutment member and to said feeding member and to said internal sizing member, a source of pressure fluid connected to said motors, a fluid pressure control circuit including a conduit system connecting said motors to said fluid pressure source and containing control valves operable in timed relationship to move said abutment member into engagement with one end of said sizing member and to move said feeding member toward the other end of said external sizing member to feed said bushing into said bore, and to move said internal sizing member into said bushing and a pressure-responsive device operable to retract said abutment member and to further advance said feeding member through said bore to eject said bushing from said bore in response to the attainment of a predetermined pressure in said circuit.

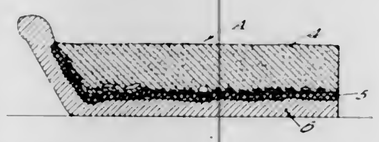
2,586,944
KEY ASSEMBLY FOR MUSICAL INSTRUMENTS
Lord W. Halvorson, Duluth, Minn.
Application March 26, 1949, Serial No. 83,680
10 Claims. (Cl. 84—365)



1. A key assembly comprising a key, a pair of levers adapted to be fulcrumed at opposite ends

on a support, one of said levers being pivotally connected at its unfulcrumed end to said key adjacent the inner end thereof, and the other one of said levers being pivotally connected at its unfulcrumed end to said key adjacent the outer end thereof, said levers being pivotally connected on a common pivot substantially centrally between the pivotal point of the ends of said levers, and an operating lever pivotally connected at one end to one of said levers, being fulcrumed intermediate its ends, and having an operating arm at its opposite end.

2,586,945
NONSOGGING PIECRUST MIX
Chastain G. Harrel, Robert O. Brown, and Mary H. Kimball, Minneapolis, Minn., assignor to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware
Application September 20, 1947, Serial No. 775,216
2 Claims. (Cl. 99—92)



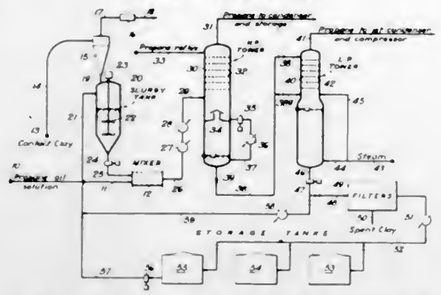
1. A piecrust mix comprising approximately two parts by weight of flour, one part by weight of shortening and 0.05% to 1.00% dried egg white, said mix producing a dry non-soggy undercrust in a baked filled pie having its crust prepared from the mix, said dried egg white being thoroughly and evenly mixed with the other ingredients.

2,586,946
SASH GUIDE AND CUP UNIT
Glenn B. Haas, Oak Harbor, Ohio, assignor to Defiance Metal Weatherstrip Company, Oak Harbor, Ohio, a corporation of Ohio
Application July 31, 1947, Serial No. 765,042
1 Claim. (Cl. 20—11)



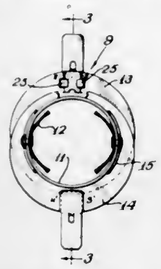
A sash guide and cup unit for receiving a fastener securing said unit to a window frame, said unit comprising a sash cup having an annular edge flange and a substantially flat bottom with a hole therein for receiving said fastener, and an elongated longitudinally-grooved sash guide member having an aperture in the grooved portion thereof of substantially the size of said cup and having a countersink surrounding the edge of said aperture, said countersink having a width and depth corresponding respectively to the width and thickness of the cup edge flange, said cup being disposed in said aperture with its edge flange seated in said countersink, said cup having a plurality of outwardly-projecting protuberances disposed across from one another adjacent said sash guide and on the opposite side of said sash guide from said countersink and flange.

2,586,947
PROPANE-CLAY TREATING
Leonard A. Hays, Jr., Hammond, and Robert B. Selund, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 29, 1949, Serial No. 129,918
7 Claims. (Cl. 196—147)



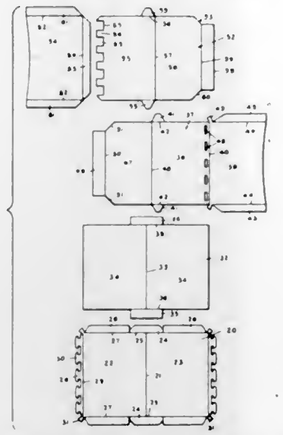
1. The method of treating with an active solid adsorbent an oleaginous charging stock in propane solution for improving the color of said charging stock, which method comprises slurrying said adsorbent in a fraction of previously treated charging stock which has been freed from propane and cooled to a temperature substantially below 200° F., intimately admixing said slurry with a large mass of a solution of charging stock to be treated dissolved in propane, heating the resulting mixture to a higher temperature in the range of about 200° F. to about 400° F. effective for obtaining decolorization, separating propane from decolorized charging stock, cooling at least a small fraction of the decolorized charging stock to a temperature substantially below 200° F. and employing said cooled fraction for the slurrying of active adsorbent.

2,586,948
ELECTRON BEAM CENTERING DEVICE FOR CATHODE-RAY TUBES
Myron R. Heppner, Round Lake, Ill.
Application March 22, 1951, Serial No. 216,967
10 Claims. (Cl. 313—76)



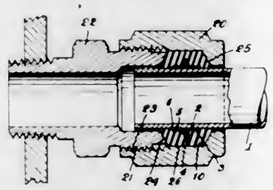
1. A centering device for an electron beam in a cathode ray tube which comprises a pair of ferromagnetic discs each having an eccentric aperture, means for mounting said discs in plane-parallel relationship with each other with said apertures in alignment and with said discs rotatable with respect to each other about the centers of said apertures, a permanent magnet carried on each disc, each magnet being positioned upon that portion of each disc of greatest radial width, and means for mounting said discs upon the neck of a cathode ray tube with the longitudinal axis of said neck substantially coincident with the centers of said apertures.

2,586,949
POCKETBOOK, FOLDER, CARDCASE OR THE LIKE
Henry MacIntyre Herbener, Thomasville, Ga.
Application March 31, 1948, Serial No. 18,178
6 Claims. (Cl. 150—38)



4. A pocket construction comprising a first side having locking tongues, a pocket forming unit to be arranged upon the first side and including permanently connected intermediate side, inner side and outer side, the intermediate side and the inner side being formed from an integral blank and the inner side being foldable upon a transverse line at the inner end of the intermediate side, the intermediate side being provided at its opposite end with a transverse group of spaced teeth having openings between them, the outer side being provided at its inner end with a transverse tongue which is superposed upon the teeth, a continuous line of stitching passing through the transverse tongue of the outer side and the teeth of the intermediate side, when assembled the intermediate side being arranged next to the first side, the inner side next to the intermediate side and the outer side next to the inner side, means securing together the longitudinal edge portions of the first side, the intermediate side, the inner side and the outer side, the locking tongues of the first side being inserted through the openings provided between the teeth of the intermediate side, said locking tongues extending to the inner face of the intermediate side.

2,586,950
FITTING
Dibrell P. Hynes, Evanston, Ill., assignor to Chicago Forging and Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 4, 1950, Serial No. 160,055
6 Claims. (Cl. 285—122)



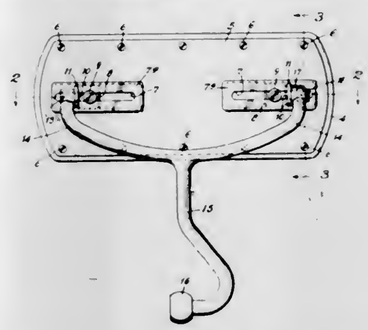
1. For use with tubing fittings comprising a compression chamber and an elastic sealing ring, a tube, a solid ferrule havinng a relatively sharp edge portion adapted, on tightening of the compression chamber, to bite into the surface of the tube, thus anchoring the fitting to the tube, the ferrule being of harder material than the tube and including a flexible lip portion separated by slots into a plurality of tongue segments, said compression chamber including interpenetrating portions adapted, upon relative movement, to subject the elastic sealing ring to pressure adequate to force the edges of the tongue portions of the ferrule into the surface of the tube, the ferrule including a solid, outwardly extending, circumferential projecting portion surrounded by the elastic ring and adapted to prevent relative endwise movement of the tube and of the compression chamber when the ferrule is in biting engagement with the tube.

2,586,951
SPRING SUPPORTED CHAIR
Arthur E. Johnson, St. Louis, Mo., assignor of forty one-hundredths to Dorothy K. S. Johnson, St. Louis, Mo.
Application August 23, 1945, Serial No. 612,154
19 Claims. (Cl. 155—54)



2. A chair comprising a seat and supporting means therefor including a pedestal having a forwardly extending free upper end portion with a rounded top surface disposed rearwardly of the front end of said seat, and a cantilever plate spring fixed to said rounded top surface and extending rearwardly directly therefrom with its free rear end operatively connected to said seat to yieldably support the same.

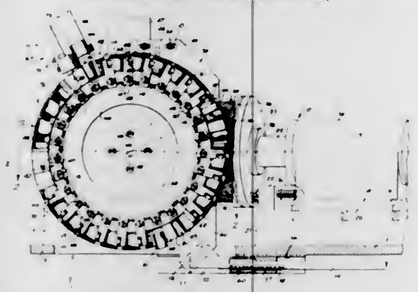
2,586,952
HEADREST
Carroll W. Johnson, Chicago, and John T. Clark, Cicero, Ill.
Application March 24, 1950, Serial No. 151,682
14 Claims. (Cl. 155—177)



1. In combination in a head rest, a base member, a cushion member positioned thereon, a supporting part secured to said base member, a plurality of attachment members interfitting with said supporting part, means for securing said at-

tachment members to said supporting part in a plurality of adjusted positions, said attachment members adapted to engage a main support for tilting movement, and a friction means positioned upon one of said attachment members and adapted to frictionally engage said main support.

2,586,953
MACHINE FOR END GRINDING ELONGATED WORKPIECES
Glen F. Johnson, Detroit, Mich., assignor to Bower Roller Bearing Company, Detroit, Mich., a corporation of Michigan
Application February 2, 1949, Serial No. 74,197
17 Claims. (Cl. 51—134)



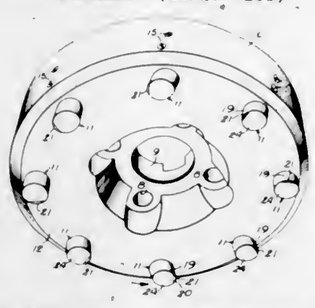
1. A machine for end grinding elongated workpieces comprising a rotary grinder having a grinding surface thereon, a rotary workpiece holder having a periphery thinner than said workpieces mounted for motion of said periphery in close proximity to said grinding surface, said periphery having therein workpiece-holding recesses open laterally to expose the sides of said workpieces, a rotary driving element engageable with said workpieces on one side of said workpiece holder, and a rotary pressure device having pressure rollers engageable with said workpieces on the opposite side of said workpiece holder to urge said workpieces into driving engagement with said driving element.

2,586,954
CAMERA SUPPORT
Arthur A. Juliano, Kansas City, Mo.
Application October 7, 1949, Serial No. 120,090
1 Claim. (Cl. 95—86)



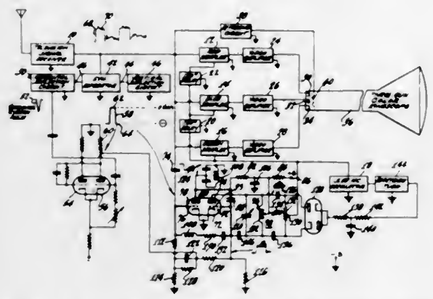
The combination with a camera of a camera support assembly comprising a rest secured to the camera at one side of the latter and adapted to bear on the chest of a person supporting the camera, a bracket secured to the camera at the side thereof opposite said one side, and an elongated flexible element secured at its ends to said bracket and adapted to extend around the neck of a person supporting the camera to support the camera in picture taking position, said rest comprising a plate like structure having two flat legs disposed at an angle less than 90 degrees to each other, a screw carried by one of said legs and attaching said rest to the camera, and a pad of resilient material secured to the other of said legs and having a friction augmenting outer surface.

2,586,955
FINISHING CUTTER
Karl B. Kaiser, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Continuation of application Serial No. 620,479, October 5, 1945. This application April 12, 1950, Serial No. 155,410
1 Claim. (Cl. 29—105)



A milling cutter comprising a body adapted to be mounted on a spindle for rotation about a central axis, a plurality of teeth projecting from one end of said body along said axis and spaced angularly around and equidistant from the axis, each of said teeth, when said body is rotated in the cutting direction about said axis, having a leading cutting face convexly curved about the longitudinal axis of the tooth, and a flat primary clearance face on the end of each tooth lying in a single plane and intersecting said convex cutting face at a continuous gradually curved cutting edge the projection of which on a radial plane of said body through the leading tip of the tooth is the flattest side of a shallow ellipse, the leading tips of all of said teeth being spaced equidistant from said body axis.

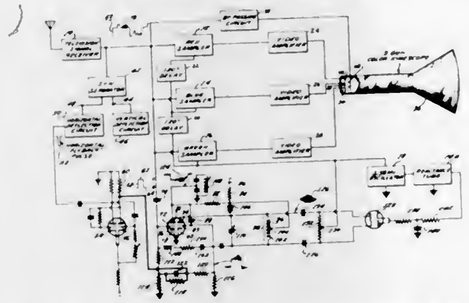
2,586,956
SIGNAL AMPLIFYING SYSTEM
Eugene O. Keizer, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 2, 1950, Serial No. 187,933
10 Claims. (Cl. 250—27)



1. In a gated amplifier for electrical circuits, the combination of, a terminal adapted to receive a gating signal of desired duration, an intelligence signal terminal adapted to receive an electrical intelligence signal which is to be gated

by said gating signal, a first and a second electron discharge tube each having at least an anode, cathode and control electrode, a respective load and polarizing circuit connected between the anode and cathode of each of said first and second discharge tubes, a capacitor connected between said first discharge tube anode and said second discharge tube control electrode, means connected with said second discharge tube load circuit and said second discharge tube control electrode for feeding onto the second tube control electrode voltages which are opposite in phase to voltages appearing on said second tube anode, an inductance and a capacitance connected in series combination between the control electrodes of said first and second discharge tubes, impedance means connected with said gate signal terminal and said first and second tube control electrodes for concomitantly applying thereto the gating signal, and means for coupling said first tube control electrode to said intelligence signal terminal.

2,586,957
GATED AMPLIFIER CIRCUIT
Eugene O. Keizer, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 2, 1950, Serial No. 187,934
11 Claims. (Cl. 250—27)



1. In an electrically gated discharge tube circuit the combination of, a gate signal supply terminal adapted to receive gating signals of predetermined duration relative to a voltage datum, an electron discharge tube having at least an anode, cathode and control electrode, said cathode being coupled with said voltage datum, an output and polarizing circuit connected between said discharge tube anode and cathode, a resistance connected across said gate signal supply terminal and the voltage datum, an impedance connected from a point on said resistance to said discharge tube control electrode, and a capacitor connected in shunt with at least a portion of said resistance residing between said gate supply terminal and said discharge tube control electrode.

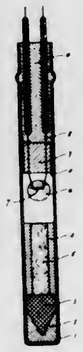
2,586,958
ARCHERY RANGE WITH MOVABLE TARGET
Wilbur Roscoe Keller, Portland, Oreg.
Application February 7, 1949, Serial No. 74,999
2 Claims. (Cl. 273—105.6)

1. A target range, comprising a shooting station, a track extending from said shooting station, a mobile carriage mounted on said track for movement relative to said shooting station, an archery target supported by said carriage and facing said shooting station, said archery target including a conical guide surrounding a matted pad, the bottom of the conical guide being inclined and extended forwardly of the conical guide and on the track to provide an apron to collect arrows falling from the conical guide, means for selectively moving said carriage along said track to and from said shooting station, including a drum, a cable attached to the rear of the carriage and trained over a pulley at one end of the carriage and extended forwardly to and



around the drum and its opposite end secured to the front of the carriage, means for rotating the drum in one direction and reversing the drum in the opposite direction, including a series of switches to set the means for rotating the drum to position the target different distances from the shooting station, and a switch to reverse the movement of the drum to return the carriage to the shooting station.

2,586,959
DELAY ELECTRIC BLASTING CAP
Hugh Mowat Kerr and William George Richardson, Brownsburg, Quebec, and Hector Andrew Logan, Montreal, Quebec, Canada, assignors to Canadian Industries Limited, Montreal, Quebec, Canada, a corporation of Canada
Application September 16, 1949, Serial No. 116,066
4 Claims. (Cl. 102—28)

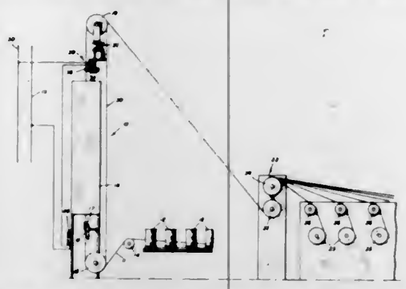


1. In a delay electric blasting cap, a finely divided inorganic delay composition consisting essentially of 70–75% by weight of red lead, 30–12% by weight of silicon and 0–18% by weight of silicon dioxide, said red lead and silicon being of sufficiently fine particle size as to pass a 250 mesh screen.

2,586,960
MATERIAL FEED SIGNAL SYSTEM
Ray C. Kivley, Kenmore, and Charles A. Windsor, Buffalo, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 4, 1950, Serial No. 142,384
4 Claims. (Cl. 177—311)

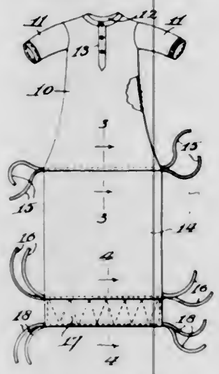
1. In a machine wherein strands normally move in closely spaced parallel paths and adjacent strands may adhere to each other, a comb normally positioned with its teeth extending between the paths of the strands for separating the

strands, an energizable signal, a pivot spaced from the paths of the strands to support the comb for movement out of its normal position beyond the said paths by inseparable strands whereby



the inseparable strands may travel beyond the comb without being broken thereby, and means operable by movement of the comb out of its normal position to energize the signal.

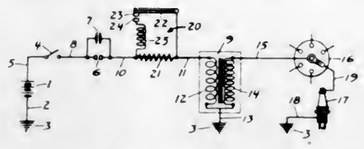
2,586,961
INFANT'S SLEEPING GARMENT AND COVER
Marjorie L. Klein, Los Angeles, Calif.
Application August 12, 1949, Serial No. 109,890
1 Claim. (Cl. 128—134)



In an infant's sleeping garment and cover, a body and arms covering garment closed at its lower end, a body covering member permanently secured to the lower end of said body and arms covering member, and extending the full width thereof, a transversely disposed reinforced strip of flexible material secured directly to the lower edge of the body covering member, and adapted to be turned downward so as to overlie the upper portion of an extra cover placed on the body covering member when the same is turned upward, ties secured to the lower end of the body and arms covering member, ties secured to the lower end of said body covering member, and ties secured to the lower corners of said reinforced strip.

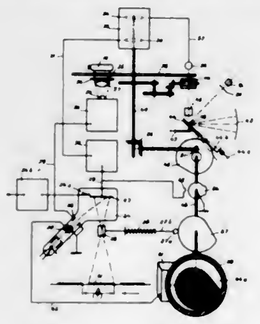
2,586,962
IGNITION CIRCUIT
John D. Kleis, Lake Forest, Ill., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York
Application July 8, 1944, Serial No. 544,100
7 Claims. (Cl. 323—68)

1. An ignition system for internal combustion engines including an ignition coil having a low voltage primary winding and a high voltage secondary winding comprising a primary circuit including the primary winding of the ignition coil, a source of low voltage connected electrically to the primary winding through a pair of tungsten contacts arranged to periodically open and close the primary circuit, the primary circuit including components having a positive temperature coefficient of resistance whereby the current flow through the tungsten contacts varies inversely with ambient temperature changes, a secondary



circuit including the high voltage winding of the ignition coil and thermally responsive-variable resistance means in the primary circuit for varying the effective resistance of the variable resistance means inversely with ambient temperature changes thereby maintaining the total resistance of the primary circuit and the current flow through the tungsten contacts substantially constant with ambient temperature changes and eliminating film formation on the faces of the tungsten contacts.

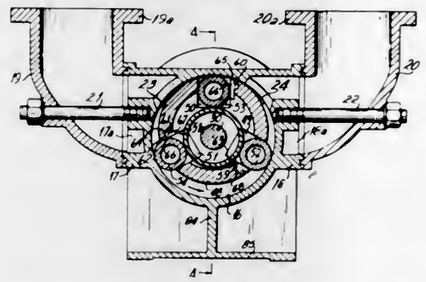
2,586,963
CATHODE-RAY TUBE ANALYZING AND RECORDING APPARATUS
Knut A. Knutsen, Paris, France, assignor to Compagnie Des Machines Bull (Societe Anonyme), Paris, France, a company of France
Application May 17, 1949, Serial No. 93,806
In France June 4, 1948
14 Claims. (Cl. 346—33)



1. A record analyzing and translating apparatus for analyzing and translating records bearing data representations in form of spots in a plurality of columns, said spots having reflecting properties different from that of the records and located in various index positions according to a code in which such a spot in a column represents an integer number, whose value depends on the location of the spot in said column and in which one such spot or the combination of two such spots if any in a column conventionally represents a differential character among a given series, comprising a television camera tube of the Iconoscope type with a mosaic plate and a scanning electron beam, a record feed mechanism for continuously feeding a series of records past said tube, a lens device adapted to project the image of each record on the mosaic plate and reciprocated at a speed and in a direction

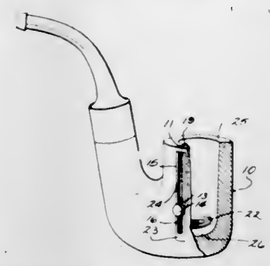
such as the image of a record is held steady on said mosaic plate while said record is being analyzed, two sweep devices adapted to be controlled in timed relation with the record feed mechanism for generating two variable sweep voltages combined for causing the scanning electron beam to scan the index positions of a column in one operation and for repeating said scanning operation for each column projected on the mosaic plate, so producing across output terminals of said tube a train of electrical pulses, each pulse being timed in accordance with the number value of any spot, circuit connections for conducting said pulses from the output terminals of said tube to an amplifier circuit and circuit connections for conducting the amplified pulses from the amplifier circuit to a pulse commutation and storage unit, a decoding device controlled by said unit for translating the one-pulse or the two-pulse combination resulting from the column being analyzed into one pulse timed differentially according to the character represented in said column, by means of electric valve means cyclically connected.

2,586,964
ROTARY PUMP
Frederick Kraissl, Jr., North Hackensack, N. J.
Application September 24, 1946, Serial No. 698,907
2 Claims. (Cl. 103—136)



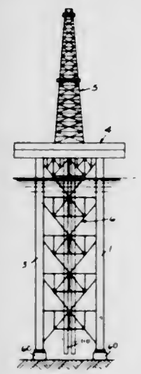
1. In a rotary pump, a body having a cylindrical bore therein and inlet and discharge ports communicating therewith, end plates forming closures therefor, said end plates carrying bearings eccentric to said bore, a shaft mounted in said bearings, a rotor fixed on said shaft and having a plurality of blade slots formed therein, blade means in said first slots adapted to cooperate with said bore; said blade slots having cut-out portions in the form of comparatively radially shallow slots, each having its radially inner edge beveled, and a radially narrower slot extending in the same direction from said blade slot and radially communicating with said shallow slot intermediate its radial inner and outer edges, a hardened and ground wear plate in and forming a working fit with each cut-out portion, each plate having: an outer edge conforming to the outer diameter of the rotor, a beveled inner edge which mates with the inner edge of said shallow slot, and a tongue portion which cooperates with and forms a working fit in the said deeper slot; the blade contacting surfaces of said wear plates also being flush with the side surfaces of said blade slots, and locked against lateral movement by the form of the cut-out portions and maintained therein longitudinally by contact with said end plates when said pump is assembled, said wear plates being removable manually by merely sliding them endwise in said cut-out portions when said pump is disassembled.

2,586,965
SMOKING PIPE
John J. Kunda, Milwaukee, Wis.
Application April 14, 1948, Serial No. 20,989
1 Claim. (Cl. 131—183)



In combination with a pipe bowl having a vertical slot exteriorly thereof and a reduced bore communicating therewith and open at the brim face of said bowl, a smooth metal lining within said slot, a socket element slidable in said lining, said socket element having a bore for a portion of its length in the upper portion thereof, an inverted U-shaped rod element, a relatively short leg of said rod element adapted for retention in said socket element, the longer leg of said rod element extending into the pipe bowl, the lower end of the said longer leg wound to form a flat spiral grate portion, a set screw in said socket element for releasably retaining said short leg of said rod element, and a coiled tension spring in said lining connecting said socket element with the lower portion of said lining to normally retain the grate in lowered position within the bowl.

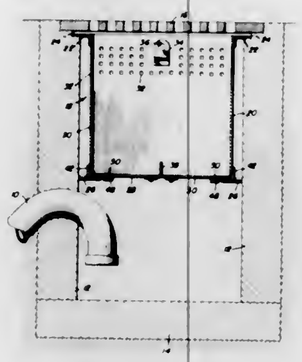
2,586,966
DEEP WATER OIL WELL DRILLING SYSTEM
Theodore M. Kuss, San Francisco, and Ralph Denton Russell, Oakland, Calif.
Application August 8, 1949, Serial No. 109,212
19 Claims. (Cl. 61—46)



1. An off-shore drilling structure comprising an elongated caisson adapted to be floated horizontally to a desired site for up-ending onto the bed of the ocean, said caisson comprising three spaced elongated integrally connected tubular legs for supporting an oil drilling deck thereon, longitudinally extending open ended casings secured to said caisson adapted to pass drilling and pumping lines to said bed, transverse partitions in said

legs dividing said legs into substantially air tight cells, means for selectively admitting water into said cells for swinging said caisson from a horizontal to a vertical position while waterborne and for sinking said caisson for supporting the same on said bed.

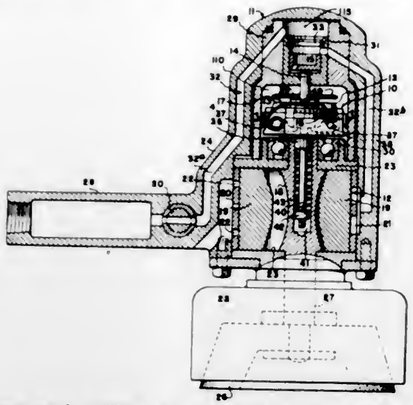
2,586,967
TRAP FOR SEWER CATCH BASINS
Charles W. Lundy, Sr., North Charleroi, Pa.
Application April 27, 1949, Serial No. 89,975
4 Claims. (Cl. 182—2)



1. In a sewer system, a catch basin and a sediment trap disposed therein, said trap comprising a receptacle open at its upper and lower ends and including side walls, an elongated member secured to opposing side walls of the receptacle and extending across the lower open end thereof, a pair of oppositely extending trap doors normally engaging the lower edges of the side walls and closing the lower open end of the receptacle, said trap doors having upstanding peripheral flanges embracing the lower edges of the side walls, said doors having their adjacent edges hinged to said member for downward swinging opening movement, means carried by the basin supporting the receptacle in spaced relation above the bottom of the basin and engaging the underside of the trap doors and retaining the same in closed position when the sediment trap rests upon such means, and means for releasably retaining the trap doors in closed position comprising a pair of spaced downwardly extending latch keepers carried by each opposite side wall, each trap door having spaced openings through which the latch keeper slidably extends when the doors are in closed position, and a latch bar slidably secured to the underside of each trap door and having means adapted to engage the adjacent latch keepers to lock same against downward opening of same when the trap is lifted from the supporting means.

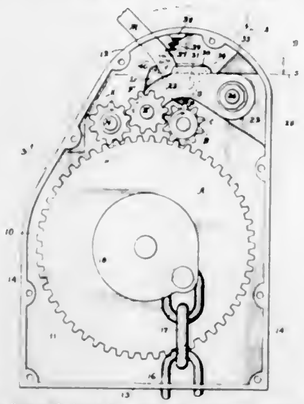
2,586,968
SAFETY DEVICE FOR ROTARY MOTORS
William R. Maclay, Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application November 16, 1949, Serial No. 127,668
4 Claims. (Cl. 121—34)

1. A safety device for a rotary motor, comprising a valve for controlling the flow of power to the motor, a governor for controlling the speed of said motor by actuating said valve to control the flow of power to the motor, a spring arranged to act in the released position to close said valve, and a speed responsive element releasably engaging said spring to place the spring under



stress and acting at a predetermined speed of said motor to release said spring.

2,586,969
HAND BRAKE FOR RAILWAY CARS
Leonard A. Marquardt, Elmhurst, and Charles E. Gorton, Chicago, Ill., assignors to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 26, 1950, Serial No. 192,264
11 Claims. (Cl. 74—505)

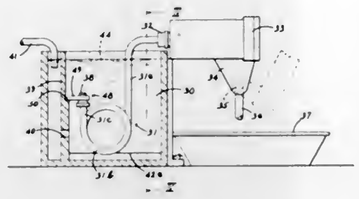


1. In a hand brake mechanism, the combination with a rotatable chain winding drum; of a rotatably mounted pinion; means operatively connecting the pinion with said drum for rotating the latter; a rotatable operating shaft; a pinion fixed to said shaft; a shiftable carrier movable toward and away from said pinions; a pinion rotatably supported on said carrier; and means for actuating said carrier to move said last named pinion into and out of engagement with said first and second named pinions.

2,586,970
APPARATUS FOR SPINNING ARTIFICIAL FILAMENTS
Henry J. McDermott, Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application December 18, 1948, Serial No. 66,027
8 Claims. (Cl. 18—8)

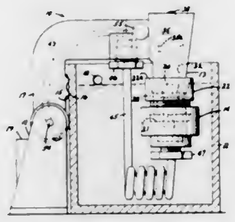
1. Apparatus for spinning artificial filaments comprising a container having a closed bottom

wall for supporting a heated liquid spinning bath, a spinneret normally positioned in the container during spinning, a spinneret coupling, a projecting lug secured to the spinneret coupling, a pipe, connected at one of its ends to the spinneret, formed from heat-conductive material and comprising a portion adjacent the spinneret-supporting end thereof bent into helical form and normally positioned in the container during spinning, means for mounting the pipe pivotally about an axis outside the spinning bath container whereby the spinneret and the helical portion of



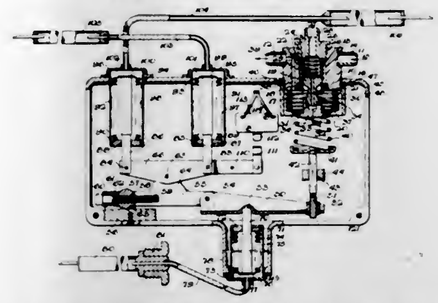
the pipe can be swung into and out of the spinning bath container, a vertical partition adjacent one wall of the container to provide a passage for the introduction of the spinning bath liquid and an opening at the lower end of the partition providing an intercommunicating passage between opposite sides of said partition so as to introduce fresh coagulating bath liquid into the container below the spinneret, said partition having a recessed portion adapted to cooperate with the projecting lug for positioning the spinneret.

2,586,971
SPINNERET SUPPORTING BRACKET
Henry J. McDermott, Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 20, 1950, Serial No. 152,225
11 Claims. (Cl. 18—8)



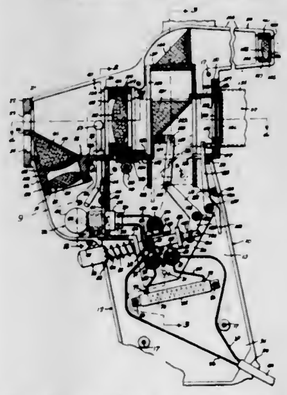
1. An apparatus for spinning filamentary material comprising a pivotable bracket, a spinneret mounted on the bracket in spaced relationship with the pivot axis, said spinneret facing upwardly when the bracket is positioned for spinning, a coupling in engagement with an annular surface of the spinneret for securing the spinneret to the bracket having an upwardly-extending annular flange which is higher than the spinneret and concentrically spaced with respect thereto, the edge of said flange being an overflow surface, duct means through the coupling having a terminal opening within the space surrounded by the flange for introducing a liquid into the space, and means for conducting a liquid to and forcing it through the spinneret.

2,586,972
VALVE MECHANISM OPERATED BY A PLURALITY OF THERMOSTATS
Neville P. McKenzie, Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware
Application August 16, 1948, Serial No. 44,518
10 Claims. (Cl. 236—91)



1. In a thermostatically operated valve mechanism having a housing providing a valve seat and a valve member cooperating with said seat, means for operating the valve comprising a rectilinearly movable member operatively connected to said valve member, three thermostats for subjection to different sources of temperature variation and each including an expansible and collapsible chamber having a movable end wall, a compound lever system operatively connected to said reciprocating member and including three levers, means for positively transmitting the movements of one of said movable end walls to one of said levers which is operatively connected to said reciprocating member, a pair of members operatively connected to two other movable end walls and pivotally connected to a second lever of said system for positively transmitting the movements of said other end walls to said second lever, and pivotal connections between the third lever of said system and both of said first and second named levers, said third lever being fulcrumed on said housing.

2,586,973
FUNDUS CAMERA, INCLUDING EYE FIXATION MEANS
John H. McMillin, Monroe, Mich.
Application March 17, 1947, Serial No. 735,139
2 Claims. (Cl. 95—11)



1. A fundus camera comprising a box-like casing having a forward portion projecting forwardly from the remainder of said casing, said

forward portion having a nose member with a pair of adjacent openings, a photographic system in said casing having an objective lens spaced rearwardly of said nose member and aligned with one of said openings, an illuminating system in said casing aligned with the other of said openings and including a projection lens, a camera positioning device for locating the camera at a predetermined position in front of the eye being photographed, including a camera locating element interposed between said casing and a portion of the patient's head containing the eye being photographed, an opaque light-masking element between said openings positioned in the path of the rays from said illuminating system reflected from the cornea of the eye being photographed, an illuminated fixation object in said casing arranged in the focal plane of the projection lens of the illumination system for illumination thereby.

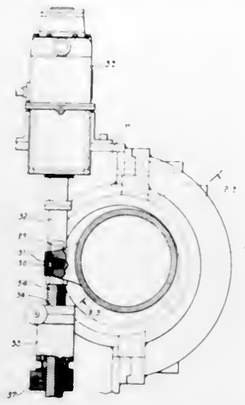
2,586,974
FRUIT PICKER'S BAG
Earl P. Merrion, Lake Wales, Fla., assignor to Townsend Citrus Supply Company, Lake Wales, Fla., a corporation of Florida
Application September 29, 1948, Serial No. 51,819
4 Claims. (Cl. 150—2)



1. A fruit picker's bag having a tubular body, means at the upper end of the body for supporting the bag on the user's body, a flap extending from one side of the body at the lower end of the same, a rope having a portion attachable to the upper front of the bag, a pair of spaced grommets at the end of the flap, spaced grommets in the rear wall adjacent the upper end of the flap, said rope having legs extending respectively down through grommets of the first-named pair and then about the lower end of the bag and through the grommets of the second pair from outside to inside of the bag and being knotted at their ends inside the bag.

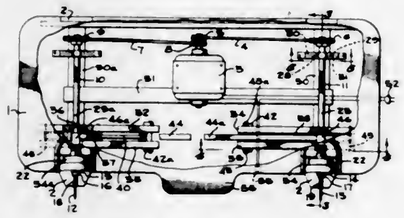
2,586,975
ECCENTRIC ADJUSTMENT FOR ROLL DRIVES
William Messinger, Philadelphia, Pa.
Application November 6, 1950, Serial No. 194,345
10 Claims. (Cl. 74—395)

1. Driving and bearing adjusting mechanism comprising a rotatable element and journal shaft thereon, a journal bearing for the shaft, an eccentric sleeve within which the bearing is mounted, a support in which the sleeve is journaled, drive mechanism secured to the sleeve, means to drive the rotatable element from the drive mechanism, and means acting between the support and
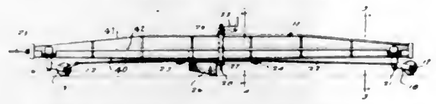


the eccentric sleeve to turn the sleeve in its journal in the support.

2,586,976
POWER-DRIVEN FILM REWIND MACHINE
Leander Walter Millsap, Los Angeles, Calif.
Application June 16, 1945, Serial No. 599,917
7 Claims. (Cl. 242—55)



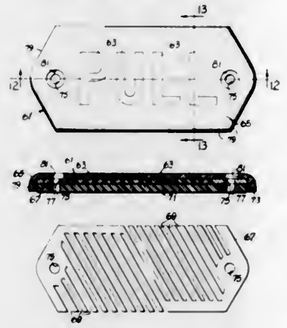
1. A power-driven film winding and rewinding mechanism comprising in combination a leg-supported table; a forward extension of the central part of the front edge of the top of said table; two supports on the front edge of said table-top for reel-carrying spindles; two openings in said table-top back of each of said supports; two spindles for carrying and rotating film-reels, bearings for said spindles fixed in said supports at such an angle that the front ends of said spindles tilt upward from the horizontal, and point toward the operator, and so located that the lower parts of the circumferences of both film-reels, when mounted on said spindles, are below the horizontal plane of said table-top, and the entire film-reels are back of the front edge of said forward-extension of said table-top, so that the portion of film extending from one reel to the other is back of the front edge of and over said forward-extension of said table-top; two keys, one attached to each spindle, adapted to engage key-seats in standard film-reels; two spindle pulleys, one attached to the rear end of each of said spindles, and designed to be frictionally driven at their peripheries through two of said openings in said table-top; means for causing said spindle-pulleys, spindles, keys, and film-reels carried by same to rotate in opposite directions; and means for retarding and stopping the rotation of said spindle-pulleys.

2,586,977
SCRAPING AND LEVELING MACHINE
Charles E. Moody, Visalia, Calif.; Arthur J. Moody administrator of said Charles E. Moody, deceased
Application March 15, 1946, Serial No. 654,712
2 Claims. (Cl. 37—180)



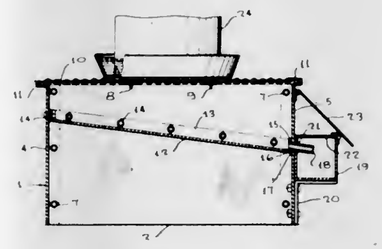
1. In a scraping and levelling machine including a scraper blade, a frame having spaced side members each comprising a lower member, an upper member, and an intermediate member, a cross bar arranged transversely of said side members adjacent the forward and rearward ends thereof and connected at its ends to said intermediate member, a U-shaped member positioned underneath said frame adjacent each of said cross bars and having the bight pivotally connected to the adjacent cross bar for movement about a vertical axis with its legs extending rearwardly of said axis and a roller journaled in the legs of each of said U-shaped members whereby there is provided a castering action for said frame, guide means positioned adjacent to and carried by the lower member of each of said side members intermediate its ends, a first flexible cable having its intermediate portion in engagement with the guide means on one of said lower members and having one end connected to one of the legs of the U-shaped member pivotally connected to the rearward cross bar and having the other end connected to the diagonally opposite one leg of the U-shaped member pivotally connected to the forward cross bar, and a second flexible cable having its intermediate portion in engagement with the guide means on the other of said lower members and having one end connected to the other of the legs of the U-shaped member pivotally connected to the rearward cross bar and having the other end connected to the diagonally opposite other leg of the U-shaped member pivotally connected to the forward cross bar, whereby movement of the rearward U-shaped member in one direction causes simultaneous movement of the forward U-shaped member in the opposite direction.

2,586,978
INLAY FOR MOLDED PLASTIC ARTICLES
John William Murray, Richmond Heights, Mo.
Application October 9, 1948, Serial No. 53,709
7 Claims. (Cl. 41—35)



1. An inlaid molded article comprising a flat core formed with runners for flow of plastic molding material leading inward from an edge of the core, an inlay constituted by a part separate from the core and secured to one face of the core with its outline wholly within the outline of the core, the inlay having an opening therethrough leading to at least one of the runners, and a molded body embedding the core and peripherally surrounding the inlay with the outer face of the latter exposed at the corresponding face of the body, and including molding material filling the runners and the opening in the inlay, the core having an outline corresponding to but slightly smaller than the outline of the body.

2,586,979
WATER FOUNTAIN STANDARD
Floyd H. Myers, Lyons, Ohio
Application October 13, 1950, Serial No. 190,000
1 Claim. (Cl. 119—72)

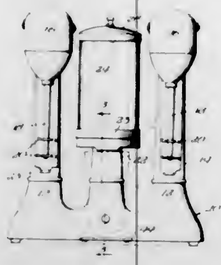


In a watering device, an open frame, a foraminous floor mounted on the upper end of the frame and extending thereacross for supporting a water fountain, a declining drip pan supported within said frame beneath said floor, the depressed end of the drip pan terminating at a level above the lower end of said frame, and a trough mounted on a side of said frame in communication with the depressed end of the drip pan into which water dripping from the fountain and draining down the drip pan is adapted to collect, said trough being located on the exterior of the frame so as to be accessible from outside of the frame, and a lid hinged on the frame at a point above said trough, said lid normally occupying a declining position over the top of the trough and being adapted to be swung upwardly to afford access to the trough.

2,586,980
DISPENSER AND DRINK MIXER
Louis Myers, Rockford, Ill.
Application January 12, 1949, Serial No. 70,501
2 Claims. (Cl. 259—21)

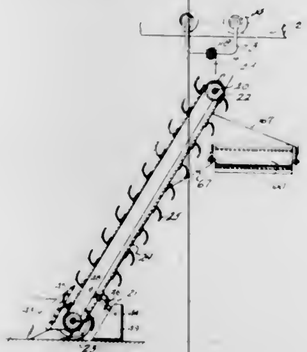
1. An electric drink mixer and powder dispenser comprising: a hollow base; a magazine for powder fixedly mounted centrally on the base; a pair of drink mixers at the sides of the magazine, respectively, each mixer including a supporting standard fixedly mounted on the base, an electric motor mounted at the upper end of the standard and a depending agitator shaft; a powder measuring and discharge wheel in the magazine above the base; and mechanism mounted in and enclosed by the hollow base for imparting discharge strokes to said wheel, the magazine and agitator shafts being disposed in side-by-side relation above the base for the manual placement of a receptacle under either of the agitator shafts and the magazine, electro-mag-

netic means for operating said mechanism, and an electric circuit including switches for controlling the operation of the motors respectively



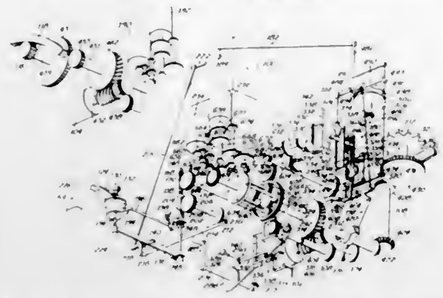
by placement of the receptacle on the standards and for actuating the electro-magnetic means by placement of the receptacle in powder-receiving position under the magazine.

2,586,981
CONVEYER LOADER
Charles J. Nagel, Evansville, Ind.
Application April 25, 1947, Serial No. 743,973
3 Claims. (Cl. 198—11)



2. A loader comprising a pair of spaced upstanding side walls arranged at an angle with respect to a ground surface and mounted for travel along said surface, an endless conveyor arranged longitudinally of and within said side walls and mounted therein for rotation about horizontal axes, a plurality of flights arranged transversely of said conveyor and spaced from each other and each having the trailing edge secured to the adjacent portion of said conveyor, pusher members at the lower ends of said side walls adjacent the leading flight of said conveyor and fixedly secured to said side walls for receiving and guiding the material to be loaded on to said flights, a scraper arranged between the lower ends of said side walls adjacent to and spaced from the trailing flight of said conveyor and dependingly and pivotally connected to said side walls for gathering the material left behind by said pusher members in a pile contactable by the leading edge of said flights on the trailing flight of said conveyor, and spring means operatively connected to said side walls and said scraper for biasing said scraper into engagement with said ground surface.

2,586,982
LIMIT STOP MECHANISM FOR GUN TURRETS
Walter E. Naugler and Ernest W. Stacey, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 1, 1948, Serial No. 30,328
1 Claim. (Cl. 89—41)

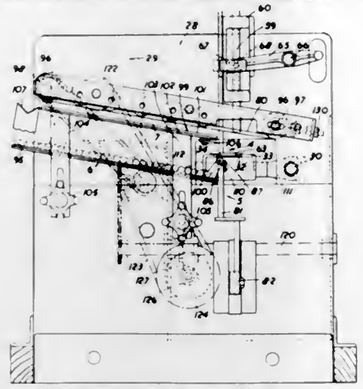


In an armed mount, a turret, a gun secured to the turret, means comprising motors for moving the turret and the gun as a unit in azimuth and elevation, manually operated grips, azimuth and elevation levers, connections for operatively connecting the azimuth and elevation levers to the grips, said connections comprising an arm having a shiftable fulcrum pin, said levers being displaceable from neutral positions upon actuation of said grips to cause the motors to be driven at different speeds in accordance with the displacement of the levers from their neutral positions, and mechanism for limiting movement of the turret and accordingly the gun in elevation, said mechanism comprising a pair of adjacent plates having camways, straight center portions of which are in register and end portions of which diverge from one another, means for moving into different adjusted positions both of said plates lengthwise of the straight central positions of the camways in accordance with the speed of the turret in elevation and for moving one of said plates into different adjusted positions lengthwise of the straight central portions of the camways in accordance with the position of the turret in azimuth, a roll movable in the camways in timed relation to movement of the turret in elevation, means operatively connected to one of said plates and to the fulcrum pin for varying the position of said pin when the guns reach predetermined positions in elevation to move the elevation lever to a neutral position thereby stopping movement of the turret in elevation without effecting movement of portions of said connections between the hand grips and said arm.

2,586,983
LABELING MACHINE
Robert John Newman and David Sidney Friend, London, England
Application June 13, 1950, Serial No. 167,734
In Great Britain June 13, 1949
14 Claims. (Cl. 216—52)

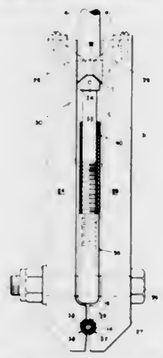
1. A machine for applying labels to cylindrical objects comprising an inclined chute element down which the objects roll gravitationally, a reciprocable rest adapted to receive only a single one of said objects, said rest being reciprocable across the lower end of said element so as to receive the lowermost of the objects on said element and move it to a label receiving position, gum plates, means to apply gum to the gum

plates, means to apply the exposed label of a stack of labels to the gum plates, means to reciprocate the gum plates in a plane transverse to the plane of reciprocation of the rest with pauses at the label receiving position and at a label transfer position adjacent the rest, means for pressing part of the label carried by the gum plates on to the object on the rest, a plane element, an endless belt means having part thereof



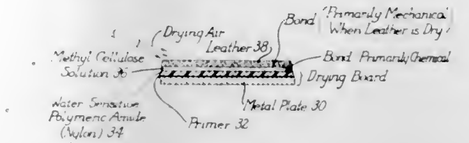
parallel to and spaced from said plane element and having an extending end beyond one end of said plane element, and means for reciprocating the rest as aforesaid and to move the rest after the object thereon has received a label towards said belt means thereby contacting the object with the extending end of said belt means so that the latter rolls the object off the rest and along said plane element.

2,586,984
APPARATUS FOR GOVERNING FLUID FLOW
Alfred O. C. Nier, Riverdale, and Rudolph B. Thorness and Charles M. Stevens, New York, N. Y., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission
Application October 11, 1945, Serial No. 621,849
3 Claims. (Cl. 138—46)



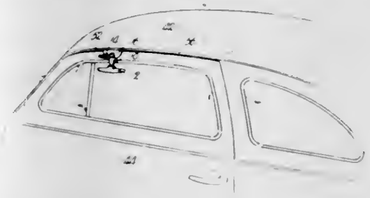
1. Apparatus for regulating a flow of gas which comprises a hollow metal tube, an element in said tube for providing therein a relatively small gas conducting channel, a conduit leading to said channel and operatively connected therewith, and adjustable gripping means situated exteriorly of said tube juxtaposed with respect to said channel, said gripping means including a pair of pivoted jaws each having an inclined slot and a shoe movable in each of said slots for rocking said jaws to contact said tubing and thereby effect regulation of said flow.

2,586,985
METHOD OF DRYING LEATHER TO ULTIMATE CLEAN CONDITION
Arthur R. Olson, Wakefield, Edward B. McMillan, Marblehead, and William H. Davis, III, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 6, 1950, Serial No. 166,396
2 Claims. (Cl. 69—21)



1. A method of drying leather which comprises providing a rigid drying board having a dried under coating applied in the form of a solution of chlorinated rubber and neoprene and a second dried coating of a water-sensitive polymeric amide, slicking out a wet leather work piece upon said second coating with an interposed coating in the form of a paste of methyl cellulose, passing air in contact with said work piece to dry the same, and stripping the dried work piece from the board in clean condition.

2,586,986
HAND SUPPORT FOR AUTOMOBILES
Chester E. Orrison, Springfield, Mo.
Application September 21, 1949, Serial No. 116,929
5 Claims. (Cl. 105—354)

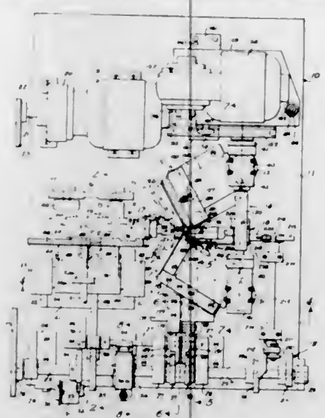


1. For automobiles having a body provided with a window frame and an upstanding flange adjacent the uppermost edge of the window frame, a hand support comprising an elongated, plate-like, relatively rigid member having an internal hook on one end thereof adapted for looped engagement with said flange, said member depending from the flange when mounted thereon; and a cross-bar mounted on the opposite end of said member, presenting a handle for grasping by an occupant of said automobile.

2,586,987
ROLL HONING MACHINE
Herman A. Ortegren, Grosse Pointe, Mich., assignor to Bower Roller Bearing Company, Detroit, Mich., a corporation of Michigan
Application April 13, 1950, Serial No. 155,617
24 Claims. (Cl. 51—3)

14. A roll honing machine comprising a supporting structure, a work rest mounted on said supporting structure, a pair of motor-operated roll driving wheels rotatably mounted on said supporting structure and engageable with a roll on said work rest, a roll feeder having an outlet disposed adjacent said work rest, a roll honing device disposed adjacent said work rest and having a movable hone engageable with a roll on

said work rest, mechanism for shifting one of said driving wheels relatively to the other driving
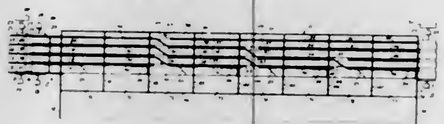


wheel, and a roll end abrading member arranged in proximity to said work rest and abradingly engageable with said roll.

2,586,988

ARTICLE DISTRIBUTING MACHINE

Clarence Page, Detroit, Mich., assignor to Page and Cox, Detroit, Mich., a corporation of Michigan

Application March 13, 1947, Serial No. 734,403
6 Claims. (Cl. 198—42)



1. A distributing machine for rollable articles comprising a supporting structure, a plurality of parallel conveyors mounted on said structure, a series of article receptacles disposed in succession alongside one of said conveyors, separators arranged between said conveyors and having gaps at intervals therein, and article removers arranged across said conveyors at said gaps and directed toward said receptacles, the gaps in certain of said separators being positioned approximately in transverse alignment with one another on opposite sides of the conveyor running therebetween.

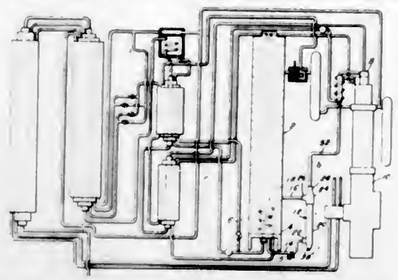
2,586,989

RECTIFICATION APPARATUS

Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application September 29, 1949, Serial No. 118,614
9 Claims. (Cl. 62—122)

1. In apparatus for the separation of a gaseous mixture into its constituents, a rectification column, a receiver positioned to accumulate a liquid rich in one constituent, an elongated substantially vertical chamber device positioned at substantially the same level as the receiver, means to connect one end of the chamber device with the bottom of the receiver to withdraw liquid from the receiver bottom, means to connect the other end of the chamber device with the receiver at a point above the normal liquid level in the receiver, a liquid collector cup disposed in the chamber of the chamber device with its edge at the level desired for the liquid



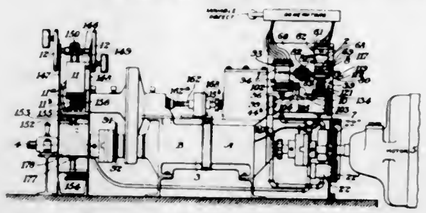
in the receiver, and a liquid outlet opening into said cup.

2,586,990

CONTROL SYSTEM

Edward J. Poitras, Jackson Heights, and James D. Tear, Great Neck, N. Y., assignors to The Sperry Corporation, a corporation of Delaware

Application April 11, 1935, Serial No. 15,758
7 Claims. (Cl. 89—41)



4. In a mechanism for driving an object in accordance with the movement of another object, the combination comprising a movable object, a driven object, variable-speed, power-driven operating means for the driven object and control means for said power-driven operating means including a movable control element and means for moving said movable control element in accordance with the difference in movement between said movable and driven objects in a one to one ratio, another movable control element, means for moving said second mentioned control element in accordance with the difference in movement between said movable and driven objects in a ratio greater than one to one, means for moving said second mentioned control element in accordance with the relation of the driven object to a fixed, predetermined position, manually operable means for moving said second mentioned control element, and means for selectively connecting said control element moving means for operating said second mentioned control element.

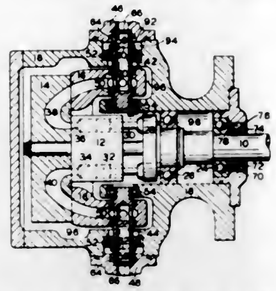
2,586,991

SWIVEL PIPE JOINT

Kenneth I. Postel, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application December 14, 1946, Serial No. 716,312
11 Claims. (Cl. 285—96.1)

1. In a rotatable pressure fluid coupling, a rotatable conductor, a relatively non-rotatable annular sealing element abutting the end face of the conductor to form a continuous fluid passage, sealing surfaces on the adjacent faces of the conductor and element separated by a film of pressure fluid supplied from the passage, and means on the element forming two end areas opposite the sealing surface only one of which is exposed to pressure from the passage, said one area being proportioned to counterbalance the pressure force in



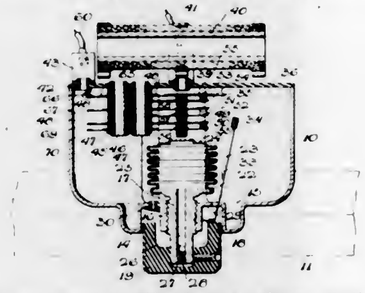
the film tending to separate the adjacent sealing surfaces and maintain said surfaces in substantial sealing contact.

2,586,992

AUTOMATIC TEMPERATURE CONTROL FOR REGULATING MOTOR-DRIVEN FANS

Anthony D. Rapuano, New Haven, Conn., assignor to Robertshaw-Fulton Controls Company, Bridgeport, Conn., a corporation of Delaware

Application December 18, 1947, Serial No. 792,584
12 Claims. (Cl. 201—48)



1. In an automatic temperature control for installation in the passenger space of a motor vehicle for use with a motor-drive fan for circulating air through said space, a control unit comprising a casing provided with binding posts for connection into the circuit of said motor, a speed controller for said motor including a resistor associated with said casing and composed of a plurality of sections and pairs of electric contacts having series connection with said binding posts and having other connections with the respective sections of said resistor, a single thermostat mounted in said casing for subjection to the temperature in said passenger space and operable by expansion and contraction to actuate said contact pairs in sequence and vary the number of resistor sections in the circuit through the binding posts, and another pair of electric contacts in said circuit operable by said thermostat to open said circuit when a predetermined temperature has been reached.

2,586,993

BALANCED DUPLEXER

Henry J. Riblet, Belmont, Mass., assignor to Raytheon Manufacturing Company, a corporation of Delaware

Application July 30, 1948, Serial No. 41,509
19 Claims. (Cl. 178—44)

1. A duplexer adapted to be used with ultra-high frequency electromagnetic wave energy comprising: first and second electromagnetic wave transmission line sections, each section having a first end and a second end; means directionally coupling said sections together at each of two spaced-apart regions, each of said coupling means being arranged to couple energy arriving thereat directly from an end of one of said line



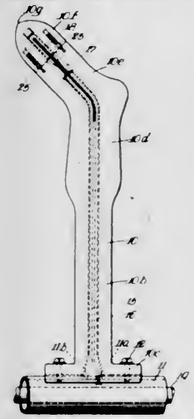
sections into the other of said line sections propagating substantially exclusively toward the other of said coupling means; and means in each line intermediate said two regions for causing an abrupt change in the impedance characteristic of the line in response to the presence in said line of a voltage exceeding a certain magnitude.

2,586,994

HOSIERY DRYING FORM

Henry Richter, Kankakee, Ill., assignor to Paramount Textile Machinery Co., Kankakee, Ill., a corporation of Illinois

Application July 28, 1948, Serial No. 41,130
7 Claims. (Cl. 223—76)



1. A hosiery drying form comprising, a foot portion, a detachable toe portion, one of said portions having an aperture therein, and a substantially straight split pin carried by the other of said portions and engaging opposite walls of said aperture with a resilient pressure along a substantial length of said pin.

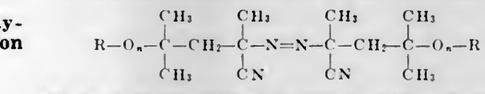
2,586,995

POLYFURCATE AZONITRILES

James A. Robertson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 15, 1948, Serial No. 2,552
5 Claims. (Cl. 260—192)

2. A polyfurcate azonitrile of the formula



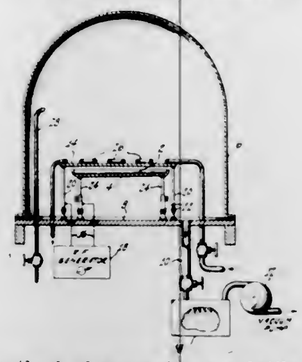
where n is a cardinal number not greater than 1 and R is a monovalent hydrocarbon radical of one to six carbons.

2,586,996

PREPARATION OF POLYMERIZABLE NON-POLAR SUBSTANCES

Fritz Rosenthal, Knoxville, Tenn., assignor to Radio Corporation of America, a corporation of Delaware

Application October 30, 1947, Serial No. 783,138
7 Claims. (Cl. 260—669)



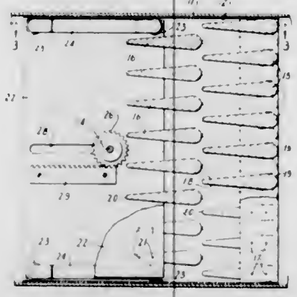
1. A method of preparing a volatile non-polar product, which is unstable in the presence of heat, from materials at least one constituent of which is polar in nature which comprises heating the reaction mixture by means of radio-frequency energy, whereby only said polar constituent is heated to an appreciable extent, to a temperature at which said non-polar product is formed and which is above the volatilizing temperature of said product, volatilizing said non-polar reaction product and rapidly condensing said product at a reduced temperature before substantially any molecular modification of the type comprising polymerization can occur in said product.

2,586,997

DAMPER

Albert W. Schach, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois

Application May 26, 1947, Serial No. 750,616
4 Claims. (Cl. 277—1)



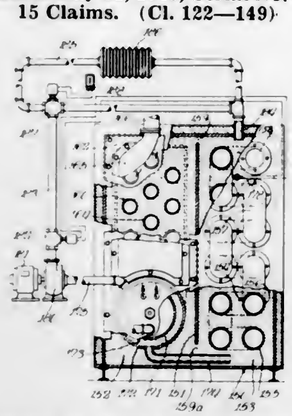
1. A damper comprising two sets of spaced parallel vanes of an air foil cross section having thick edges rounded to a contour substantially equal to a semicircle and flat sides tapering substantially to a point from the diameter of said semicircle, the width of each vane being several times its maximum thickness adjacent its thicker edge, and means supporting the vanes of the respective sets in staggered relation and for relative edgewise movement in unison to bring the vanes of one set into the spaces between the vanes of the other set whereby to vary the effective area of the air passage through the two sets of vanes, the vanes of both of said sets being arranged with their wider edges facing in the same direction.

2,586,998

APPARATUS FOR HEATING MATERIALS

Harry E. Schlenz, Glencoe, Ill., assignor to Pacific Flush Tank Company, Chicago, Ill., a corporation of Illinois

Application May 31, 1946, Serial No. 673,659
15 Claims. (Cl. 122—149)



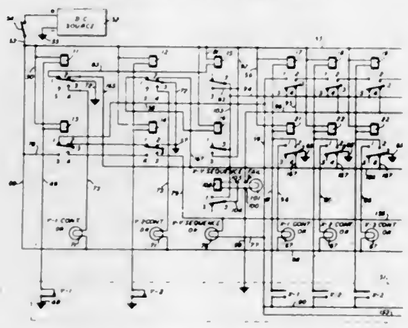
12. A heater for heating liquids containing digestible organic wastes comprising, a closed tank for containing a bath liquid, means for heating said bath liquid, and a conduit extending through said tank for circulating through said bath liquid a second liquid to be heated, said conduit including a plurality of straight, substantially parallel pipe sections extending in said tank and secured to the end walls thereof, and unitary, generally semi-toric return bends connecting the ends of adjacent of said sections, with the return bends at least at one end of said tank disposed exteriorly of said tank and detachable each as a single unit, thereby providing ready access to the interior of said conduit whereby the latter can be cleaned while in position in said tank and while said bath liquid is in said tank.

2,586,999

CONTACT SEQUENCE TEST SET

Everett B. Schwartz, Wauwatosa, Wis., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application September 28, 1949, Serial No. 118,385
4 Claims. (Cl. 175—183)



1. Apparatus for testing the sequence of operation of normally open and normally closed contacts in which a particular normally open contact

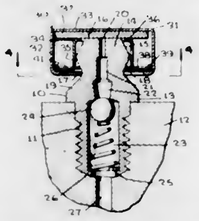
is to close only after all other contacts have moved to an off-normal position, comprising a plurality of normally operated and normally released relays, one of which is associated with each contact and which is operated by the closing of the contact, an indicator, an energizing circuit for the indicator which is completed when the relay corresponding to the said particular contact is unoperated and the other relays are in an off-normal condition, a second indicator, and an energizing circuit for the indicator which is completed when the relay corresponding to the particular contact is operated and any other relay is in its normal condition.

2,587,000

CAP FOR GREASE FITTINGS

Herbert P. O. Schluter, Brooklyn, N. Y.

Application February 13, 1951, Serial No. 210,724
4 Claims. (Cl. 184—88)



1. In combination with a grease fitting having a grease gun receiving head and a neck of reduced diameter at the proximal end of said head, a protective cap for said fitting comprising a cup shaped shell having an internal diameter greater than the maximum diameter of said head, a spring and gasket retainer secured in said shell and having an annular wall dimensioned to loosely receive said head, said retainer having at one end an inwardly directed annular flange and at its other end an outwardly directed annular flange marginally engaging said shell at the open end of the latter and having slots in its annular wall at oppositely disposed locations of the latter and adjacent said outwardly extending annular flange, a disc of gasket material disposed between said one end of said retainer and the closed end of said shell, and a wire spring secured to the outwardly projecting annular flange of said retainer and providing arms extending one through each of said slots to engage said grease fitting at the neck thereof, the distance from said spring arms to the adjacent side of said disc being less than the distance from said neck to the distal end of said head to enable said spring arms to hold said disc firmly against the distal end of said head.

2,587,001

METHOD OF PREPARING MAGNESIUM HYDROXIDE

Jean Charles Seailles, Paris, France

No Drawing. Application August 6, 1947, Serial No. 766,896. In France December 10, 1942
3 Claims. (Cl. 23—201)

1. In preparing magnesium hydroxide from brine containing a dissolved bicarbonate of a metal and dissolved magnesium salts, the method which comprises mixing with the said brine phosphoric acid in amount to decompose substantially all the bicarbonate, separating the carbon dioxide thus liberated in gaseous form from the solution, mixing previously precipitated magnesium hydroxide into the said solution, so as to form a suspension of particles of magnesium hydroxide, and then mixing the solution with calcium hydroxide in amount at least approximately equivalent to the magnesium salts present, the addition of lime causing precipitation of magnesium hydroxide, the magnesium hydroxide mixed into the solution being that produced in a previous treatment of the kind described so that the magnesium hydroxide precipitated by the lime forms in contact with the previously precipitated magnesium hydroxide, and the phosphoric acid serving to give a voluminous precipitate of magnesium hydroxide of low density.

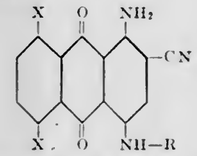
2,587,002

ANTHRAQUINONE DYESTUFFS

George W. Seymour, Cumberland, Md., and Victor S. Salvin, Summit, N. J., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application April 22, 1947, Serial No. 743,209
10 Claims. (Cl. 260—378)

1. Anthraquinone dyestuffs of the following general formula:



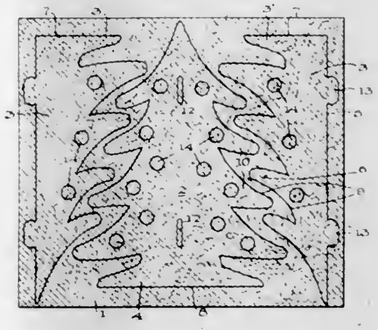
wherein one substituent X is hydrogen and the other substituent X is a member of the group consisting of halogen, amino and alkyl-amino groups and R is a member of the group consisting of hydrogen, alkyl, hydroaryl, aralkyl and aryl groups.

2,587,003

ARTIFICIAL CHRISTMAS TREE

Frank C. Shina, Syracuse, N. Y., assignor to United Board & Carton Corporation, a corporation of New Jersey

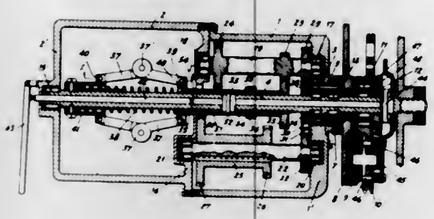
Application April 22, 1950, Serial No. 157,535
7 Claims. (Cl. 41—15)



1. A set of at least two blanks of sheet material of different colors for forming three-dimensional artificial trees, each blank comprising sections retained in sheet form but adapted for subsequent assembling, said sections being of such shape that when assembled they cooperate with one another to simulate a tree, the sections of each blank having knock-outs, respective knock-

outs of the sections of the two blanks corresponding in size and shape, so that knock-outs of a blank of one color can be removed and inserted in openings formed in a blank of another color by the removal of knock-outs therefrom to provide a decorative effect.

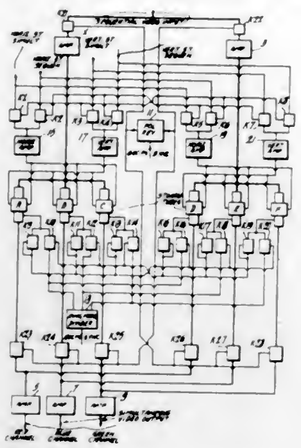
2,587,004
MULTISPEED GEAR SYSTEM
Walter Siegrist, Saint-Imier, Switzerland
Application July 22, 1949, Serial No. 106,127
In Switzerland March 10, 1949
2 Claims. (Cl. 192—3.5)



1. In a multi-speed gear system in combination, a driving shaft; clutch means for operatively connecting said driving shaft to an engine; a hollow driven shaft; shiftable gear means operatively connecting said driving shaft and said driven shaft including a shifting cylinder mounted axially slidably on said driven shaft and having a plurality of interior recesses each corresponding to an engaged position of said gear means, and change wheels mounted on said shifting cylinders; a spring type shifting means urging said shifting cylinder into lower speed positions; centrifugal shifting means urging said shifting cylinder into higher speed positions against the action of said spring type shifting means as the rotative speed of said driven shaft increases; a locking bolt mounted in a radial bore of said driven shaft for cooperation with said recesses, so as to lock said shifting cylinder in various positions, in which one of said change wheels is engaged; and manually operated rod means extending through and axially displaceable in the center bore of said driven shaft and having a recess for temporarily receiving said locking bolt in unlocking position so as to permit the automatic shifting of said shifting cylinder by the combined action of said spring type shifting means and said centrifugal shifting means into the position corresponding to the rotative speed of said driven shaft, while said clutch means are simultaneously released by the unlocking motion of said rod means.

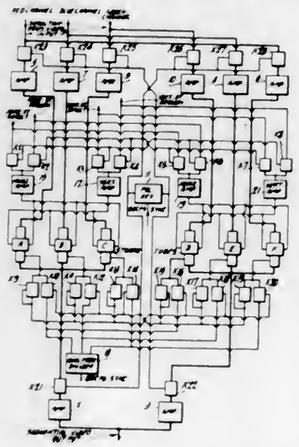
2,587,005
SIGNAL CONVERSION SYSTEM
John Paul Smith, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 29, 1947, Serial No. 782,803
7 Claims. (Cl. 178—5.2)

1. A system for converting color television signals of the sequential type into color television image signals of the simultaneous type comprising a sequential type color television signal channel, a simultaneous type color television signal channel, a plurality of signal storage tubes, switching means to sequentially connect each of said storage tubes to said sequential type color television signal channel, a second switching means to simultaneously connect a plurality of said signal storage tubes to said simultaneous type color television signal channel, and wherein
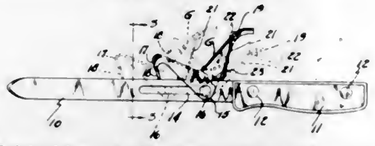


both of said switching means operate to connect different of said signal storage tubes at all times.

2,587,006
SIGNAL CONVERSION SYSTEM
John Paul Smith, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 28, 1947, Serial No. 788,511
4 Claims. (Cl. 178—5.2)



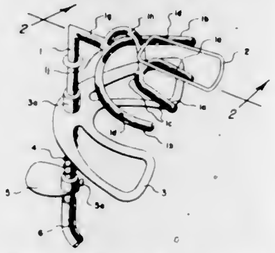
1. A system for converting color television signals of the simultaneous type into color television signals of the sequential type comprising a simultaneous type color television signal channel, a sequential type color television signal channel, two groups of a plurality of signal storage tubes, a first switching means to simultaneously connect each of one group of said storage tubes to said simultaneous type color television signal channel, means connected to said first switching means to periodically actuate said first switching means periodically, a second switching means to sequentially connect each of the other group of said storage tubes to said sequential type color television signal channel, and means connected to said second switching means to periodically actuate said second switching means periodically.

2,587,007
FISHHOLDER
Lisle E. Southward and Ellis W. Southward, Au Gres, Mich.
Application September 29, 1949, Serial No. 118,638
1 Claim. (Cl. 17—7)



A fishholder of the type described comprising an elongated blade, a substantially triangular-shaped gripping member pivotally mounted on said blade and formed with a front jaw portion and a rear upwardly extending handle portion, and a vertically disposed leaf spring having its one end rigidly connected to the upper end of said handle portion at a point spaced directly adjacent the upper end thereof, the lower free end of the spring being upwardly curved, with the curved end bearing on the upper edge of the blade for frictional engagement therewith to permit the gripping member to be actuated to swing the jaw portion upwardly without shifting the free end of the spring on said blade.

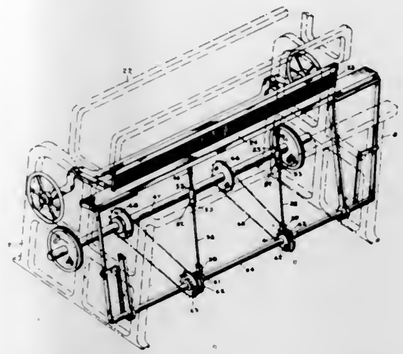
2,587,008
DENTAL APPLIANCE
Francisco Moreno Stadelmann, Mexico City, Mexico
Application October 12, 1950, Serial No. 189,817
In Mexico October 27, 1949
4 Claims. (Cl. 32—33)



1. In a dental appliance, a manifold adapted to conduct vacuum having a hollow fork-shaped portion adapted to be placed in the vestibulary area of a patient's mouth, and a secondary hollow fork-shaped portion adapted to be placed in the sublingual area of a person's mouth, both of said fork portions having openings therein adapted to eject saliva from a person's mouth, an upwardly extending U-shaped manifold portion interconnecting said sub-lingual fork and said vestibulary fork, a tongue depressor secured on said upwardly extending U-shaped portion in vertically spaced relation with said sub-lingual fork for holding a patient's tongue downwardly against said sub-lingual fork.

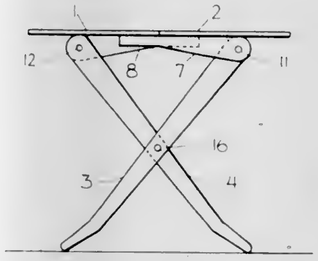
2,587,009
RECIPROCATING REED FOR LOOM LAY
Frederick F. Sutherland, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application October 17, 1947, Serial No. 780,507
10 Claims. (Cl. 139—188)

1. Method of eliminating warp streaks from fabrics woven in a loom wherein the beat-up is effected by a rockable reed, which comprises reciprocating the reed vertically during the weaving operation so that the beating up the fabric



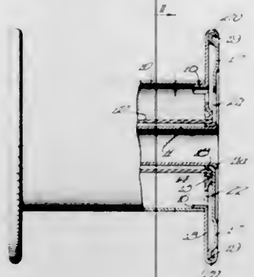
with said reed takes place at a point between ⅛ inch and ¼ inch from a vertical extremity of said reed.

2,587,010
FOLDING SECTIONAL ARTICLE OF FURNITURE
Richard Wallace Thompson, Los Angeles, Calif.
Application May 10, 1950, Serial No. 161,193
6 Claims. (Cl. 311—91)



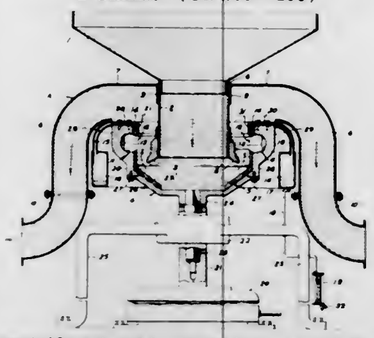
1. A foldable article of furniture comprising; a top piece of any suitable shape, which is composed of two halves and which forms a supporting surface, or table; four cleats, arranged in parallel spaced pairs, with one pair of cleats being secured to the underneath surface of one of the top pieces and projecting beyond one edge thereof, and the other pair of cleats being secured to the underneath surface of the other top piece and projecting beyond one edge thereof; and four legs arranged in pairs of X-type, with each pair pivotable at the legs' mid-point about a common axle which also acts as a stretcher-bar between the two pairs of legs, a leg of each X-type pair of legs being pivotally connected to the projecting portion of a respective cleat of one pair of cleats, the other leg of each X-type pair of legs being similarly connected respectively to a respective cleat of the other pair of cleats, in such manner that all legs and cleats are adapted to fold into close-fitting parallel position, with each pair of legs lying flush between the edges of the cleats to which said legs are attached, and with both top pieces lying in a substantially parallel position relative to the folded legs.

2,587,011
SPOOL CONSTRUCTION
George G. Tucker, Jr., Berwyn, and Frederick A. Rappleyea, Oak Park, Ill., assignors to Hubbard Spool Company, Chicago, Ill., a corporation of Illinois
Application December 15, 1949, Serial No. 133,148
3 Claims. (Cl. 242—123)



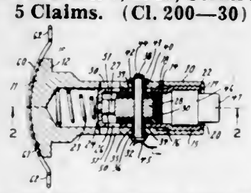
1. A spool comprising a tubular hub, a pair of concentric tubular inserts aligned axially within said hub, an annular head member secured at its inner peripheral edge to the outer one of said inserts and having a plurality of integral tabs extending therefrom joined to the interior of said hub, and an annular reinforcing member having its inner edge disposed in snug fitting relation between said inserts, and having its outer peripheral edge joined to the peripheral edge of said head member.

2,587,012
GOLD SEPARATOR
Benjamin Pinkney Tuggle, Atlanta, Ga.
Application November 17, 1948, Serial No. 60,428
1 Claim. (Cl. 209—199)



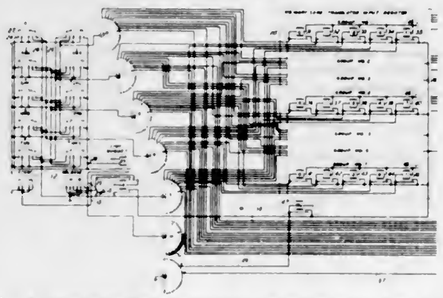
A centrifugal gold separator comprising a rotatable multiple-piece bowl member adapted to receive gold-bearing water to be treated, and including a bottom bowl, an annular thickened side member mounted on the bottom bowl, an annular reinforcing liner for the thickened side member extending over and beyond the juncture between the thickened side member and the bottom bowl, and securing means for securing the side member and bottom bowl together, a dome-like head covering the resulting bowl assembly, means in the head for supplying gold-bearing water to the bowl assembly, an annular substantially circular recess extending around the inner periphery of the thickened side of the bowl assembly, the said recess having a restricted annular orifice opening through the reinforcing liner of the assembly, a body of mercury contained in the recess, the said recess communicating through the said restricted orifice with the interior of the bowl assembly for receiving gold concentrated from the water by centrifugal action, oppositely disposed discharge means in the head for continuously discharging stripped water from the bowl, means including riser passages in the said reinforcing liner communicating with the annular circular recess, for continuously withdrawing gold amalgam from the recess commensurate with the rate of formation thereof, deflector blades on the supplying means mounted adjacent to and in opposition to the said restricted orifice of the annular recess for directing gold bearing water and mercury from the bowl assembly into the annular recess, means for indicating the amount of gold concentrated in the amalgam produced in the bowl assembly and annular recess, means for draining gold amalgam from the receiving means and indicating means, and means for rapidly rotating the bowl member.

2,587,013
CIRCUIT BREAKER UNIT
Edward A. Vogel, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application March 7, 1949, Serial No. 80,035
5 Claims. (Cl. 200—30)



1. A cam-actuated circuit breaker unit comprising a generally tubular casing, a tubular member slidable longitudinally in the casing, a movable contact carried by the member therein, said member having opposite longitudinal slots, a pin extending transversely of the casing and tubular member through said slots in the latter, and supported by the casing, an element carried by said pin and disposed in said tubular member, a stationary contact on said element for cooperation with said movable contact, a spring constantly biasing said member in the direction to effect engagement of the contacts, and a cam-follower fixed in the member and exposed at one end of the casing for cam actuation to move said member in the direction to effect separation of the contacts.

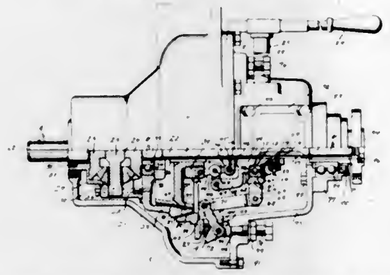
2,587,014
CHARGE AND TAX DETERMINING EQUIPMENT FOR TELEPHONE SYSTEMS
Edward Vroom, Ossining, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1948, Serial No. 67,833
8 Claims. (Cl. 235—61)



1. A charge determining equipment for telecommunication systems comprising means for

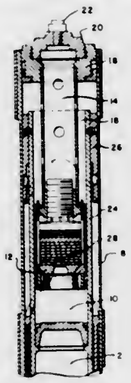
receiving characteristics of a connection, a first card translator responsive to said receiving means for translating certain of said characteristics to a modified base rate, a second card translator responsive to said first card translator and to said receiving means for translating other of said characteristics and said modified base rate into a monetary charge, and means for recording said charge.

2,587,015
CLUTCH AND BRAKE FOR MARINE REVERSE GEARS
Gustave Walter, Jersey City, N. J.
Application December 18, 1948, Serial No. 66,076
12 Claims. (Cl. 192—17)



1. In a device of the class described, a rotatable driving clutch housing, a follower shaft, means for breaking said housing, a shiftable clutch member slidably keyed to said follower shaft, means to cause engagement and disengagement of said shiftable clutch member and said braking means with said housing, and a shifter housing supported by said follower shaft and having an annular bearing portion, said braking means having an annular flange slidably engaging the bearing portion of the shifter housing to support the braking means during its movement into and out of engagement with said housing.

2,587,016
SHOCK ABSORBER
Raymond Watts, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 10, 1948, Serial No. 7,437
14 Claims. (Cl. 267—64)



1. An hydraulic shock absorber comprising a cylinder having a closed end and adapted to contain an hydraulic medium, a support structure in said cylinder comprising a perforated tube connected at one end to the closed end of said cylinder, a sleeve mounted on the other end of the tube, an abutment member having a hollow shank extending through said sleeve into said tube and in threaded engagement with said sleeve, a piston extending into the other end of said cylinder, a wall in said cylinder between said piston and said abutment member connected to said sleeve and defining within said cylinder a high pressure chamber with said piston and a low pressure chamber with the closed end of said cylinder, passage means in said wall communicating with said high pressure chamber, a metering unit in said low pressure chamber between said wall and said abutment member and comprising a plurality of flat plates and resilient corrugated discs alternated with said plates and defining interstices therewith communicating with the low pressure chamber, said plates and discs being formed with passage means communicating with said interstices and said passage means in said wall, abutment means between said member and said unit, resilient means including a plurality of Belleville springs compressed between said abutment means and member for compressing said unit against said wall, said springs being stacked axially of said chamber and arranged in cupped relationship with their concave sides facing said abutment means, notches in the surface of said abutment means which engages said resilient means communicating with said low pressure chamber to accommodate the flow of said medium therebetween to dampen the action of said resilient means, and openings in said shank communicating with said low pressure chamber and the interior of said tube through said hollow shank.

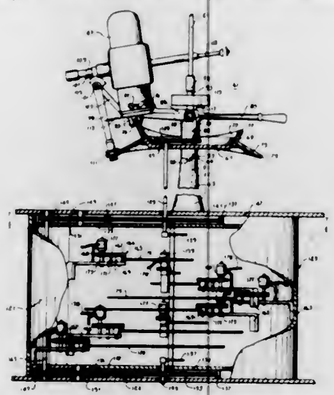
2,587,017
LUBRICATION OF CONVEYER APPARATUS FOR MEAT
William F. Weber, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 5, 1947, Serial No. 784,094
4 Claims. (Cl. 117—134)

1. In a process for lubrication of conveyor apparatus for meat, the steps of heating to a molten condition a solution comprising about 65% paraffin wax, about 25% oil, and about 10% microcrystalline petrolatum wax, immersing the apparatus in the solution for an interval sufficient to heat the apparatus to substantially the temperature of the solution, withdrawing the apparatus from the solution, and drying the same.

2,587,018
APPARATUS TO RECORD IMAGES OF MOVING SUBJECTS
Max J. Weisfeldt, New York, N. Y.
Application March 5, 1946, Serial No. 652,150
9 Claims. (Cl. 88—16)

2. In an apparatus for recording images of a subject moving along a fixed path, a master station, tracking means at said master station to track said subject in azimuth along said path, a slave station, an image recording device at said slave station, said slave station being located so that the image recording device may record images of the subject along a limited portion of said path, a servo system between the master station and the slave station, said servo system including a driver motor and a synchronous driven motor, mechanical means to translate rotational movements in azimuth of the tracking means aforesaid into nonuniform rotational movements

of the driver motor bearing a predetermined relationship to the said movements of the tracking means, means to rotate in azimuth the image recording device at the slave station synchronously with the movements of the driven motor aforesaid, said image recording device at the slave station being orientable in elevation, cam means at said slave station to control the elevation of said image recording device as said device is rotated in azimuth, whereby a subject moving along the path aforesaid may be tracked by the tracking means at the master station and the image recording device may be simultaneously automatically oriented in azimuth and elevation to follow the subject over the portion of the path aforementioned so that images of said subject may be recorded simultaneously by the image recording device at the slave station.

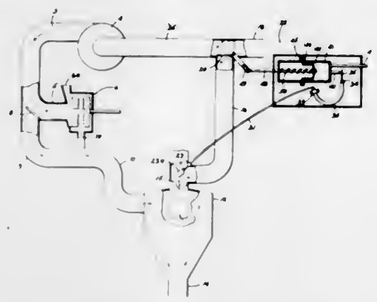


2,587,019
VOUCHER CARD MACHINE RELEASE INTERLOCK
Frank R. Werner, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application July 1, 1949, Serial No. 102,658
10 Claims. (Cl. 235—130)



1. In a normally locked machine of the class described, the combination of operating means for the machine, said operating means including a main shaft, machine releasing means operable to enable the operating means to operate the machine, a record material receptacle, a locking member normally locking the machine release means against operation, a finger on the locking member projecting into the receptacle and into the path of movement of the record material when inserted into the receptacle so as to be actuated by the record material as the record material is positioned into the receptacle to actuate the locking member and unlock the machine releasing means, a device carried by the locking member, means on the main shaft to move the device into engagement with the machine releasing means, said device being held in the path of movement of the machine releasing means by the locking member when the locking member is held in said actuated position by the record material in the receptacle to lock the machine releasing means against subsequent releasing movement until the record material is withdrawn from the receptacle upon completion of a machine operation, and means to withdraw the locking member from said actuated position when the record material is withdrawn from the receptacle.

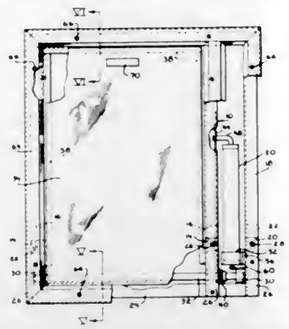
2,587,020
ALKALI CELLULOSE TEMPERATURE CONTROL
Dan B. Wicker, George C. Yehling, Jr., and John W. Moody, Dunbar, W. Va., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application September 10, 1948, Serial No. 48,742
1 Claim. (Cl. 260—233)



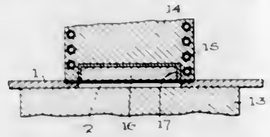
A method for treating moist alkali cellulose comprising shredding the alkali cellulose, cooling the shredded alkali cellulose to a predetermined substantially constant temperature by passing air along a continuous duct system and introducing and suspending the shredded alkali cellulose in the air in one region of the system, separating the alkali cellulose from the air in another region of the system, measuring the wet bulb temperature of the air separated from the alkali cellulose, and controlling the humidity of the air in the system into which the shredded admission to the system of (1) relatively dry air alkali cellulose is introduced by regulating the from the atmosphere and (2) recirculated air from the separating region of the system to maintain a substantially constant wet bulb temperature in the air separated from the alkali cellulose, all of the air being passed through the duct system being derived from the atmosphere and being introduced into and passed through the duct system without being subjected to a heating operation as such, and then ripening the alkali cellulose separated from the system.

2,587,021
HAND OR FOOT OPERATED CLOSURE FOR LAUNDRY, RUBBISH, AND LIKE CHUTES
Clarence M. Wilkinson, Akron, Ohio
Application October 11, 1947, Serial No. 779,342
6 Claims. (Cl. 20—16)

6. A closure for a laundry or rubbish chute including a main frame surrounding the top and upper part of the sides of the chute opening and secured thereto, said main frame defining a plane, a sub-frame along the bottom and lower part of the sides of the chute opening and lying in the plane of the main frame, means releasably securing the sub-frame to the main frame, a shaft rotatably received in the sub-frame, and a door secured to the shaft and engaging with the main frame and sub-frame to close the chute opening.

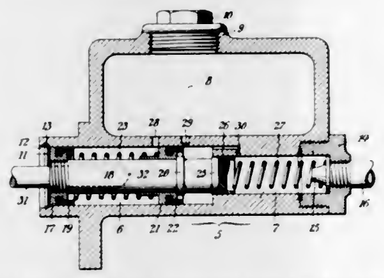


2,587,022
METHOD OF MAKING FILM RECORD CARDS
John F. Langan, Washington, D. C., assignor, by mesne assignments, to Film 'N File, Inc., New York, N. Y., a corporation of Delaware
Application August 14, 1945, Serial No. 610,813
6 Claims. (Cl. 154—118)



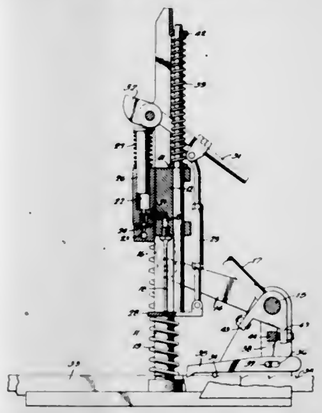
1. The method of making a record card for mounting a film which comprises forming an aperture in the card of such size and shape as to receive a film, placing a sheet of material over the aperture with the marginal portions of the sheet overlying the marginal portions of the card surrounding the aperture, pressing the marginal portions of said sheet against the surface of the card around said aperture until the said marginal portions of the card are reduced in thickness to such an extent that the outer surface of the sheet lies substantially in the plane of said surface of the card, and bonding said marginal portions of the sheet to the marginal portions of the card surrounding the aperture.

2,587,023
MASTER CYLINDER FOR HYDRAULIC BRAKES OR THE LIKE
Jerome D. Allyn, Moorestown, N. J.
Application May 4, 1949, Serial No. 91,244
1 Claim. (Cl. 60—54.6)



A master cylinder, for hydraulic brake systems, having a large bore and a small bore, and a storage reservoir thereabove for brake actuating fluid; a normally retracted main piston in the rear portion of the large bore; a rod extending axially from the piston partway into the small bore and provided with a stop shoulder medially of its length; an auxiliary piston slidably mounted on the rod for operation in the fore portion of the large bore; a helical spring surrounding the rod and in compression between the main and the auxiliary piston to maintain the latter yieldingly in engagement with the stop shoulder on the rod; a cupped sealing element of flexible material abutting the end of the rod extension within the small bore; a compression spring in the small bore with one end bearing upon the front end wall of the cylinder and the other end engaged within the hollow of the sealing element; a check valve for controlling outflow from the small bore; a port affording communication at all times between the rear portion of the large bore and the reservoir; a second port normally affording communication between the front end of the large bore and the reservoir but adapted to be closed by the auxiliary piston at an intermediate stage in the advance of the main piston during brake application, and a by-pass duct normally affording communication between the front end of the large bore and the contiguous end of the small bore, adapted to be closed by the sealing element as the rod is further advanced in brake application.

2,587,024
APPARATUS FOR TREATING MEAT AND THE LIKE
Fred J. Avery, La Grange, Ill.
Application June 22, 1949, Serial No. 100,727
15 Claims. (Cl. 99—257)



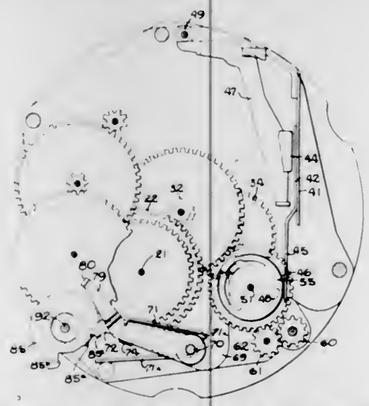
1. An apparatus adapted to treat a body of material, such as meat, and comprising a frame, a head reciprocable vertically on the frame, a hollow apertured needle carried by the head and projecting downward therefrom, a presser foot positioned in associated relation with the needle and carried by the head so that it and the head are movable vertically relatively to one another, a carrier movable on the frame to carry a body of material to be treated beneath the head, needle and presser foot, means operated during downward movement of the head and by relative movement of the head and presser foot to force curing liquid through the needle and into the body, and means operative automatically in response to upward movement of the head to move the carrier.

2,587,025
WORK CLAMP
George H. Beck, Maplewood, and Julius Z. Foris, Union, N. J.
Application April 28, 1949, Serial No. 90,174
5 Claims. (Cl. 90—61)



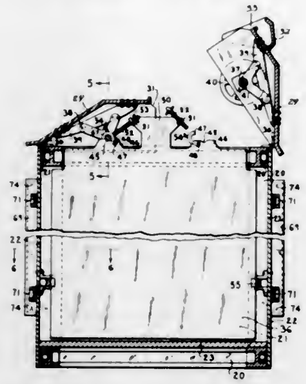
1. Apparatus for clamping work on a machine table having work connecting T slots formed therein, said apparatus comprising a pair of abutments for stationary disposition at spaced portions of the table, the inner wall of said abutments being inclined downwardly away from the work piece to the table, and a movable clamp for disposition between one of said abutments and the work piece, said clamp having a wall which is arcuate in vertical cross-section and adapted to rock vertically against the inclined inner wall of one of said abutments, the opposite wall of said clamp having a sharp edge, said rocking action bringing said sharp edge away from or toward the work piece so as to release or clamp the same.

2,587,026
TIME SWITCH
Elmer H. Beiser, Peru, Ill., assignor to General Time Corporation, a corporation of Delaware
Application November 14, 1947, Serial No. 786,065
8 Claims. (Cl. 200—38)



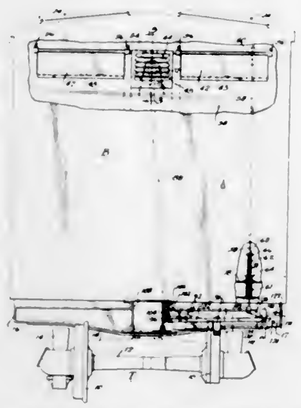
6. In combination with a clock, an alarm circuit including a switch, a rotatably biased switch release plate, a switch release arm actuated by said clock at a predetermined time for releasing said release plate, a rotatable switch cam having an active portion thereon and first and second inactive portions located on the respective sides thereof, a switch operating cam follower for riding on said cam and for operating said switch upon said cam follower passing between said active and inactive portions of said cam as the latter is moved between corresponding positions, an abutment on said switch release plate for shoving said switch cam from the first inactive position to the active position upon release of said plate, and means including a three position manual operator for (1) cocking said switch release plate and for moving said cam into the first inactive position, (2) for moving said cam into the active position and (3) for moving said cam into the second inactive position, movement into said second and third positions causing operation of said switch independently of said clock.

2,587,027
FREIGHT CAR
Henry Black, Bronx, N. Y.
Application October 14, 1948, Serial No. 54,550
8 Claims. (Cl. 105—377)



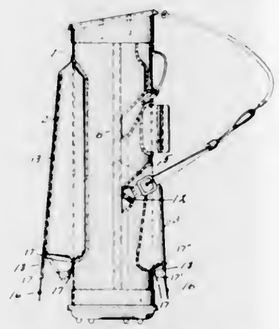
1. A railroad box car comprising a car body formed with an open top, pivotally mounted roof sections closing the open top of said car body, said roof sections having their adjacent edges spaced forming an elongated opening the length of said car body, an openable cover normally closing said elongated opening, end aligned pairs of screws rotatively supported by said roof sections, and groups of partition walls in said car body releasably connected with said screws to be moved longitudinally of said car body and when disengaged from said screws permitting said roof sections to be pivoted to their open positions.

2,587,028
VENTILATION CONTROL MECHANISM
Henry D. Breen, Chicago, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application July 13, 1948, Serial No. 38,365
7 Claims. (Cl. 98—6)



1. A mechanism for selectively engaging a take-off wheel against the surface of a car wheel supporting a car body comprising a rod supported in fixed horizontal position by the car body, a carriage supporting said take-off wheel and having an opening to receive said rod, spring means biasing said carriage relative to said rod to engage said take-off wheel and said car wheel, a control arm swingably supported from said car body for movements about a horizontal axis, and an arm pivotally attached to said carriage and pivotally attached to said control arm to overcome the bias of said spring means and move said take-off wheel to a spaced position relative to said car wheel.

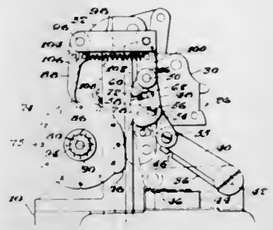
2,587,029
GOLF BAG
James R. Burton, Jr., and Henry N. McLean, Sr., Jasper, Ala.
Application February 10, 1948, Serial No. 7,328
2 Claims. (Cl. 150—1.5)



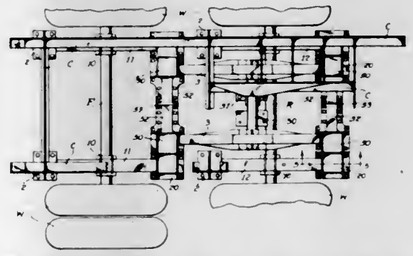
1. In a golf bag of the character described; a carrying sling having a padded upper portion, the upper end of the padded portion swingably attached to the upper end of the golf bag, a D attached to the lower end of the padded portion, a heavy piece of leather attached to the middle portion of the body of the bag, a chape attached to each end of the said piece of leather, each chape formed as a loop with a D in the loop, a strap with a buckle attached in one end thereof and a plurality of holes in the other end portion of the strap adapted to accommodate the tongue of the said buckle, a second substantially identical strap and buckle, one of said straps inserted through one D on a chape and also inserted through the D on the lower end of the said padded portion of the sling, the other identical strap inserted through the D on the other said chape and also the D on the lower end of the padded portion, the said identical straps positioned crossing each other where they are inserted through the D on the padded portion with the hole-end of one strap fastened in the buckle of the other identical strap with the hole-end of the said second strap fastened in the buckle of the first strap; two pieces of leather formed as sleeves mounted around each pair of said straps where they are in adjacent parallel relation to thus hold the straps slidably together.

2,587,030
MACHINE FOR SEVERING TAGS
Johan A. Carlson, Ashland, Mass., assignor to Ray Brothers Co., Ashland, Mass., a corporation of Massachusetts
Application September 30, 1947, Serial No. 777,079
20 Claims. (Cl. 164—42)

1. In a machine of the character described, in combination, tag severing means adapted to effect partial severance of a plurality of successive tags of a strip thereof to form a set of detachably connected tags, strip advancing means, adjustable means mounted independently of and adapted for cooperation with said severing means for effecting complete severance of the set from the strip after a predetermined number of tags have been partially severed, and means for adjusting said last named means to vary the number of tags in a set.



2,587,031
VEHICLE BOGEY
Carroll C. Clough, near Seattle, Wash.
Application October 26, 1948, Serial No. 56,637
21 Claims. (Cl. 280—104.5)

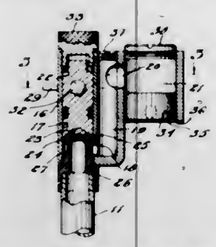


1. In combination with a vehicle chassis, two tandem axles, four spring beams, one supporting each end of each of said axles, two rigid beams, one at each side of the chassis, and each pivotally mounted between its ends upon the chassis, rubber torsion blocks pivotally interconnecting one end of each spring beam to the chassis, and the respectively opposite ends of each rigid beam to points on the respective spring beams, at the corresponding side of the chassis, which are distant from the spring beams' chassis-mounted ends, the several rubber torsion blocks having their effective pivot axes, and the pivot axis of the rigid beam on the chassis lying, all in a common generally horizontal plane, and means interconnecting the opposite rigid beams for conjoint but limited relative tilting about their respective pivotal mounts upon the chassis.

2,587,032
BALL COCK
John J. Delany, Brooklyn, and Edwin C. Baisel, New York, N. Y., assignors to Delany Realty Corporation, New York, N. Y., a corporation of New York
Application June 4, 1947, Serial No. 752,410
1 Claim. (Cl. 137—104)

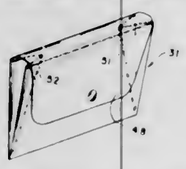
In a ball cock, a valve body having a circular valve chamber, a valve seat located in said valve chamber and defining a valve port through which water is admitted, a valve element located in said valve chamber and movable toward and away from said seat for regulating the flow of water therethrough, said valve body having a discharge

chamber of relatively larger cross-sectional area than said valve chamber and being provided with a downwardly directed discharge outlet located above the valve port, a passageway in said valve body extending from said valve chamber below said valve seat to said discharge chamber adjacent the top thereof, said passageway being of progressively increasing cross-sectional area in the direction of flow of the water for reducing the pressure and velocity of the water flowing from



the valve chamber to the discharge chamber, said valve body having an opening adjacent the outlet of said discharge chamber for receiving a refill pipe, and a screen located in said discharge chamber over said discharge outlet through which the water is discharged in relatively fine water particles and said screen being disposed in covering relation with the opening for said refill pipe for preventing too free flow therethrough.

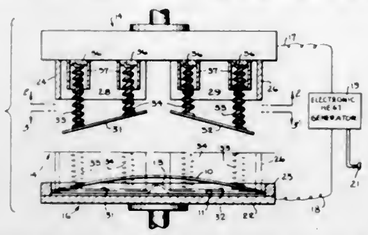
2,587,033
PURSE CONSTRUCTION
Frank G. Dobbs and Stephan H. Dobbs, New York, N. Y.
Application September 16, 1949, Serial No. 116,044
3 Claims. (Cl. 150—28)



1. In a purse formed of at least two parts in superposition having a crease for folding, to a normal folded position, in combination, a flat pocket formed between sections of said parts and traversing said crease and having a restricted area at said crease and being completely enclosed to be impermeable against the interchange of fluids between the interior and exterior thereof, and an elastic fluid sealed in said pocket and having a predetermined pressure sufficient to tension said material against the folding bias of said crease.

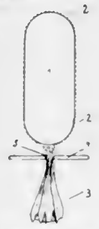
2,587,034
HEAT-SEALING APPARATUS
Frank G. Dobbs and Stephan H. Dobbs, New York, N. Y.
Application December 31, 1949, Serial No. 136,308
6 Claims. (Cl. 219—47)

1. In an electronic heat-sealing apparatus, two die parts in registry and operable for relative displacement between opposite positions of proximity and separation, respectively, and an electronic heat generating circuit connected to a source of current, in combination with, circuit interconnected conductive means on one part including a plate for supporting an object, insulated pressure means movably mounted on said second part and spring tensioned to project in a direction towards said first part for positioning said object against said supporting means during movement of one part towards the other, a rigid circuit interconnected electrode on said second part and projecting in said direction for a distance smaller than said pressure means for making heat-sealing contact with said object following positioning thereof, and an element mounted on said plate having two abutment



members spaced from each other for a distance corresponding to the length of said object following heat sealing thereof and smaller than the rectified length of said object prior to heat sealing, whereby said object will have its major portion out of contact with said plate prior to the engagement by said pressure means, and subsequently be pressed thereby into position for major part contact with said plate, and said element cooperating with said pressure means for positioning said object in predetermined place.

2,587,035
EARPLUG
Marta Fornet, Chicago, Ill.
Application March 23, 1950, Serial No. 151,390
1 Claim. (Cl. 128—151)

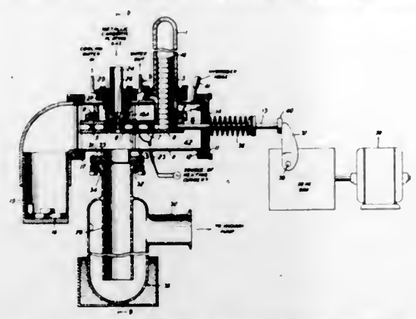


An ear-plug closing the ear against noise and water, comprising a cylindrical plug of kneadible material such as wax, enclosed in a silken bag which is open at one end, the open end of the bag being closed by a flexible disk, which is shaped to fit the outer-ear and is provided with a small hole in the middle, which receives and closes the bag and forms a tassel from the open end of the bag, which passes through the disk to provide a handle for inserting and removing the ear-plug.

2,587,036
PROCESS AND APPARATUS FOR SEMI-CONTINUOUS PLATING
Lester H. Germer, Millburn, and George E. Reitter, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 12, 1946, Serial No. 653,868
14 Claims. (Cl. 117—106)

11. The method of plating objects each of which has a plurality of portions of surface which comprises enclosing a number of such objects in an enclosed space, establishing and

maintaining a greatly reduced gas pressure in said space, injecting a stream of gaseous metallic carbonyl into a portion of said space, controlling the successive advance of said objects one by one to a position relative to the path of said stream such that the stream impinges upon a definite



portion of said surface, establishing and maintaining the said portion of said surface of each object incident to such advance as it is moved to a point to be impinged upon by said stream at a temperature to decompose the metallic carbonyl at such portion of surface of each object in turn.

2,587,037
SELF-EJECTING KEY
Casper Glubiak, New York, N. Y., assignor of fifteen per cent to Peter Fries, Jr., New York, N. Y.
Application January 27, 1950, Serial No. 140,836
7 Claims. (Cl. 70—414)



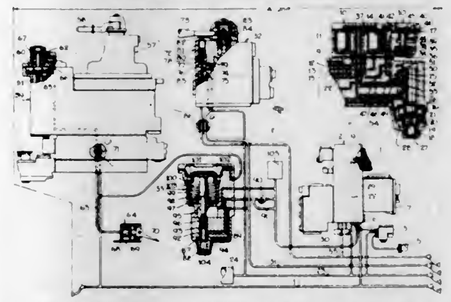
1. A self ejecting key comprising a key body, a key shank extending forwardly from said key body, said key shank having a pattern formed therein adapted to engage with the mechanism of a lock for unlocking the same, upon insertion into said lock, a first end wall secured to said key body and movable therewith, resilient means extending along and encircling said key shank, with one end in contact with said first end wall, a second end wall disposed in contact with the other end of said resilient means and having an opening through which said shank extends, and constructed and arranged so that upon insertion of said key shank into said lock, said second end wall, coming into contact with said lock, is forced to move toward said first end wall, compressing said resilient means therebetween, whereby resilient bias is exerted by said compressed resilient means tending to restore said first and second end walls to their original spacing, so that, upon release of the key inserting force, said resilient bias ejects said key shank from said lock, said construction being characterized further in that a first telescoping member is carried by said first end wall, and a second telescoping member is carried by said second end wall, and comprising means inter-engaging said telescoping members to prevent their separation, and whereby, upon compression of said resilient means, said first and second telescoping members increase their telescopic engagement.

2,587,038
CARPET SWEEPER
Ralph W. Goodell, Springfield, Mass., assignor to White Aircraft Corporation, Palmer, Mass.
Application August 16, 1946, Serial No. 690,949
2 Claims. (Cl. 15—48)



1. A carpet sweeper comprising a casing of rectangular frame form open at the bottom thereof and provided at the top thereof with an opening extending short of the side walls thereof, a brush rotatably mounted within said casing to extend transversely thereof but short of the opposite side walls thereof and substantially longitudinally coextensive with the lateral dimension of said top opening in said casing, a dust box and a brush box mounted within said casing, said boxes having facing open side portions and aligned end walls when mounted within the casing to define a single continuous chamber substantially enclosing said brush, said dust box having a bottom wall to receive accumulations of dirt swept up by said brush and a top wall defining a closure for the top opening of said casing, said dust box being detachably mounted within said casing so as to be withdrawable therefrom through the top opening of said casing for dirt removal purposes, the edge portion of the casing at the rear side of said top opening acting to support the rear edge of said dust box and acting as a fulcrum to support the latter as it is swung between mounted and dismounted positions relative to the casing, said brush box having a front and top wall structure curved substantially concentrically with said brush for dust guiding purposes, said brush box being open at its bottom for extension of the brush therethrough, and brush driving means disposed within the spaces between the casing side walls and the end walls of said boxes.

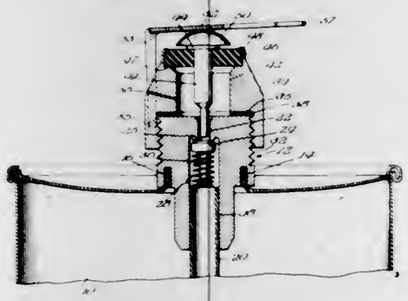
2,587,039
FLUID PRESSURE BRAKE RELEASE CONTROL APPARATUS
Andrew T. Gorman, Pitcairn, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application October 21, 1949, Serial No. 122,654
9 Claims. (Cl. 303—40)



1. In a fluid pressure brake equipment for a multiple unit locomotive, in combination, a brake pipe adapted to extend from end to end of the locomotive, a brake controlling valve device on each unit of the locomotive responsive

to a reduction in pressure of fluid in said brake pipe to effect an application of brakes on said unit, brake release means on each unit for effecting a release of said application of brakes thereon, an independent brake valve device on the leading one of said units for effecting operation of said brake release means on all of said units, and means for delaying response of said brake release means on said leading unit to operation of said brake valve device.

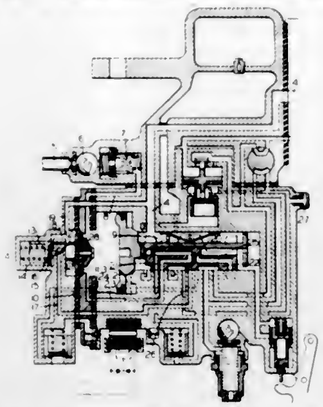
2,587,040
SPRAY NOZZLE
Edward H. Green, Chicago, Ill.
Application October 26, 1949, Serial No. 123,701
2 Claims. (Cl. 299—150)



1. A spray nozzle adapted to be coupled to a container provided with a casing secured therein and having a closure-valve supported in said casing, comprising: a nozzle-casing provided with an expansion chamber communicatively connected with its inner end, a discharge orifice leading from said chamber, and means for detachably coupling it to the valve-casing on the can; an elastic disk, the nozzle-casing having a seat for the disk and a wall surrounding and upset to retain and seal the margin of the disk in the nozzle-casing; a stem for shifting the valve extending through, sealed to and retractable by the central portion of the elastic disk; and a head on the outer side of the disk for shifting the stem, the stem being separable from the valve and the nozzle-casing with the stem being detachable from the casing secured in container, while the valve remains operative to close the container.

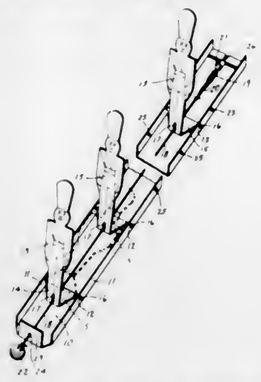
2,587,041
TRIPLE VALVE DEVICE
Jean Guillemin-Tarayre, Paris, and Anselme Neveu, Livry-Gargan, France, assignors to Compagnie des Freins et Signaux Westinghouse, Paris, France
Application February 26, 1948, Serial No. 11,285
In France May 9, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 9, 1964
12 Claims. (Cl. 303—64)

1. In a fluid pressure brake control system, in combination with a brake pipe and an auxiliary reservoir, a brake controlling valve device subject to the opposing pressures in said brake pipe and auxiliary reservoir for controlling application and release of brakes, means also subject to the opposing pressures in said brake pipe and auxiliary reservoir and operative upon a chosen differential between said pressures upon a reduction in brake pipe pressure below auxiliary reservoir pressure to open a communication from said auxiliary reservoir to said brake pipe and operative to close said communication in response to a differential either greater or less



than said chosen differential and means for defining said chosen differential.

2,587,042
TARGET TYPE TOY WITH PIVOTED TARGETS
George F. Haiselup, Indianapolis, Ind.
Application July 20, 1949, Serial No. 105,879
6 Claims. (Cl. 46—1)



1. A target type toy unit comprising a base having upstanding side walls, a plurality of spaced longitudinally aligned substantially L-shaped targets each having a base portion and an upright portion, said base portions being pivotally connected adjacent their free ends to said side walls, said upright portions having an aperture formed therethrough above the respective junctures of said base and upright portions, and a cord member connected to the rearward end of said base and normally extending loosely through said respective apertures, whereby said targets may be elevated from a knocked down to an upright position by a pull upon the free end of said cord.

2,587,043
PREPARATION OF 1,2,DI-PRIMARY AMINES
Walter Lincoln Hawkins, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 6, 1949, Serial No. 69,609
3 Claims. (Cl. 260—583)

2. The method of forming 1,2 diprimary diamines which comprises acylating the amino group of an amino mononitrile of the structure

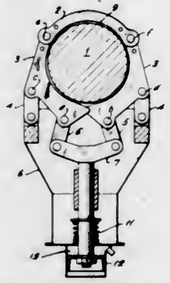
$$\begin{array}{l} R_1\text{—}CN \\ | \\ NH_2 \end{array}$$

where R_1 is a lower aliphatic radical having one of its carbon atoms bonded to both the —CN and amino radicals, acylating the amino group of said nitrile, forming a dihydroimidazole by catalytically hydrogenating the acylated aminonitrile with gaseous hydrogen, and forming a diprimary diamine by hydrolyzing said dihydroimidazole.

2,587,044
TREATMENT OF CEMENT RAW SLURRY
Thorbjorn Heilmann, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
No Drawing. Application February 8, 1950, Serial No. 143,161. In Great Britain February 14, 1949
2 Claims. (Cl. 106—100)

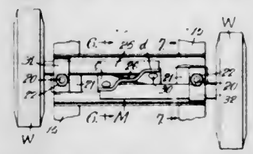
1. A method of preparing raw cement slurry sufficiently fluid to pump and containing a quantity of water otherwise insufficient for the purpose, which comprises incorporating in the slurry an amount of an alkali hexametaphosphate effective to appreciably increase the fluidity of the slurry, but not exceeding about 0.2 per cent of the weight of the dry materials present in the slurry.

2,587,045
CLAMPING DEVICE FOR ELECTRODES OF ARC FURNACES
Lennart Högel and Jan Jaekel, Vasteras, Sweden, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application January 19, 1950, Serial No. 139,462
In Sweden January 25, 1949
5 Claims. (Cl. 13—16)



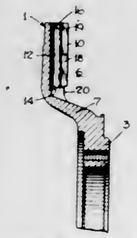
1. An electrode clamping device comprising two clamping shoes opposed to each other at opposite sides of the electrode, a third clamping shoe interlinked between the opposed shoes and articulated to one end of each of said opposed shoes, an individual link connection for each of the said opposed shoes to support the whole clamping device, each of said individual link connections having one end articulated to one of the said opposed shoes and having its opposite end pivoted at a point located in fixed relation to the axis of the electrode, and a common operating member articulated to the ends of the said opposed shoes remote from said third shoe for the actuation of said link connections whereby all the clamping shoes are caused to engage the surface of the electrode with uniform pressure and whereby a uniform gap is formed around the said electrode surface when the clamping device is in the open position, means whereby the clamping shoes are normally retained in the electrode-holding position, and power-operated means for actuating said member against the action of said retaining means to open the clamping shoes.

2,587,046
ADJUSTABLE WHEEL MOUNTING FOR CONCRETE MIXERS OR THE LIKE
Richard J. Kacena, Chicago, Ill.
Application June 2, 1951, Serial No. 229,598
6 Claims. (Cl. 280—34)



1. A mounting for the ground wheels of a portable concrete mixer or the like supported on a chassis comprising a stub axle in operative connection with each wheel extending axially thereof crosswise of the chassis toward the other wheel, and offset horizontally with respect to the stub axle thereof and in overlapping relation thereto for a limited distance when in one position relative thereto, means establishing a pivotal connection between the chassis and the overlapping end of each stub axle transversely of the axis of the wheel mounted thereon and so arranged that the axes of both mountings approach the horizontal whereby to permit each stub axle to swing through substantially 180° to extend beyond one side of the chassis for a relatively short distance or beyond the opposite side of the chassis for a relatively great distance, the spacing between the wheels carried thereby being correspondingly shortened or lengthened, and means engaging with each stub axle and coacting with the chassis to secure the stub axle fixedly in either of its two adjusted positions.

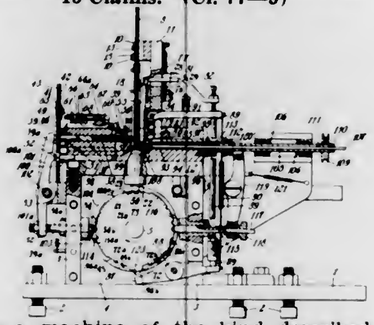
2,587,047
ROTOR FOR DISK BRAKES
Cecil S. Kelley, Forest Hills, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application April 27, 1950, Serial No. 158,548
1 Claim. (Cl. 188—218)



A friction element comprising an inner annular portion adapted to be secured to mounting means, a continuous integral spoke attached at its inner peripheral edge to the outer periphery of said inner annular portion and extending radially and axially outward therefrom, an outer integral annular portion attached at its inner periphery to the outer periphery of said spoke, said outer annular portion being disposed parallel to said inner annular portion coaxial therewith and having an annular friction face, a plurality of

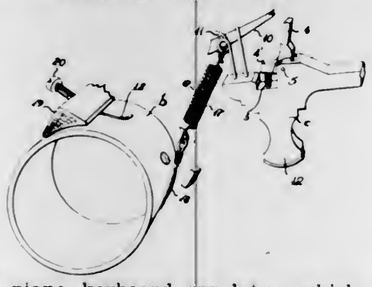
circumferentially spaced apart air conveying passages which open radially from inner to outer peripheral edges thereof, a plurality of radial slots opening said passages to said friction face, and a plurality of circumferentially spaced apart radial ribs intermediate the inner openings to said passages and rigidly connecting the sections of said outer annular portion which are separated by said slots to said spoke.

2,587,048
MACHINE FOR BALANCING BALANCE WHEELS AND THE LIKE
Walter Kohlhagen, Elgin, Ill.
Application March 8, 1950, Serial No. 148,429
In Great Britain September 1, 1948
15 Claims. (Cl. 77—5)



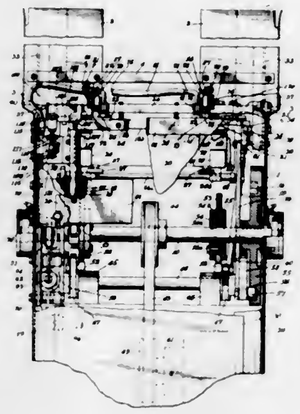
1. In a machine of the kind described, the combination of a frame; a shaft turnably supported on said frame and having a plurality of cams; a plurality of cam-followers on the frame and actuated by said cams; axially-adjustable bearing-supports arranged on the frame and effective to rotatably support a wheel; means controlled by the cams and effective to move said bearing-supports; a finger operatively connected to said means and yieldingly engageable with and disengageable from a wheel when said wheel is on the bearing-supports, said finger being effective to rotate said wheel to a predetermined position; a drill rotatably supported and slidably movable on the frame; and instrumentalities controlled by one of said cams and effective to intermittently and yieldingly apply said drill to a wheel on the bearing-supports; said means also being effective to stop the rotational movement of a wheel on the bearing-supports at progressively-diminished time-intervals.

2,587,049
PIANO KEYBOARD REGULATOR
Nicolás Krausz, Buenos Aires, Argentina
Application October 8, 1949, Serial No. 120,249
3 Claims. (Cl. 84—440)



1. A piano keyboard regulator, which comprises a plurality of tightening springs each coupled at one end to the wippen bridle tape hook of one of the piano hammers, the other end of said springs being connected to the rear end of the key corresponding to the respective hammer, said springs having tension towards the inoperative position of said hammers and having a strength insufficient to overcome the weight of said rear end of said keys.

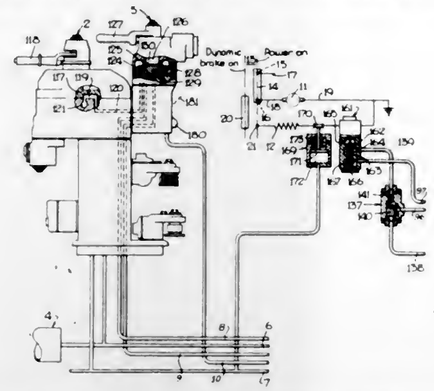
2,587,050
APPARATUS FOR SETTING-UP BOX BLANKS
David Levkoff, Great Neck, N. Y.
Application July 3, 1947, Serial No. 758,814
16 Claims. (Cl. 93—53)



1. Apparatus for unfolding blanks of sheet material having parts to form the sides and ends of a box, comprising a hopper, means for delivering the blanks successively from the hopper, elongated parts having cam edges adjacent said hopper to engage said end parts, pneumatic means comprising members at the ends of said cam edges remote from the hopper to engage and lift said side parts of said blanks coming from said hopper, means for bending up said end parts, and means for finally bending said end parts further into final position, said members having tubes connected thereto for withdrawing air from said means, valve means for said tubes, and means for opening and closing the valve means when the final bending is in progress.

2,587,051
FLUID PRESSURE BRAKE EQUIPMENT
Wilbur M. Lewis, East McKeesport, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application September 23, 1949, Serial No. 117,328
7 Claims. (Cl. 303—3)

1. In a locomotive brake equipment, in combination, a brake pipe, brake application means operative by fluid under pressure to effect an application of brakes, valve means responsive to a reduction in pressure of fluid in said brake pipe to supply fluid under pressure for operating said application means, control means controlling flow of fluid under pressure from said valve means to said application means and selectively operative to provide different rates of such flow, electric brake means, and means controlled by and operative when said electric brake means is effective to close communication between said control means and application means and to release fluid under pressure from said application means and when ineffective to open said communication.



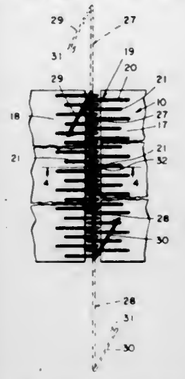
2,587,052
AUTOMATICALLY TURNING WHEELED TOY
Raymond J. Lohr, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application March 9, 1949, Serial No. 80,347
8 Claims. (Cl. 46—213)



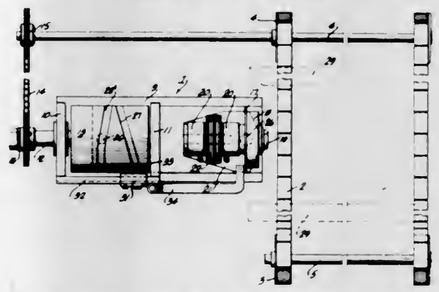
1. A wheeled toy comprising a winding stem extending transversely of the toy, a main spring operatively connected thereto to be wound thereby, an axle extending transversely of the toy, wheels on said axle, said wheels at least partially establishing the plane of a running surface relative to the toy, step-up gearing between said winding stem and said axle, and a winding key mounted on said winding stem at one side of the toy, the wheel on the other side of the toy being secured to the axle, said key having a radial length such that the end of the key crosses the aforesaid plane during its rotation, and thereby during operation on a running surface raises its side of the toy enough to free the wheel at its side of the toy, whereupon the other wheel turns the toy about the end of the winding key as a pivot.

2,587,053
JOINT CONSTRUCTION FOR ENDLESS BELTS
Charles M. Lopez, Los Angeles, Calif.
Application October 21, 1948, Serial No. 55,698
2 Claims. (Cl. 24—33)

1. An expansible lacing for belts which tends to elongate and to be reduced in width during use, said lacing comprising an aligned row of separate lacing clips secured in laterally spaced relation to each end of such belt, said clips projecting endwise beyond the belt ends in the form of aligned loops, and a pair of hinge wires extending from opposite edges of the belt inwardly through aligned and overlapping rows of clips, the hinge wires each having substantially smooth surfaces and being of a length less than the width of the belt but having a total combined length greater than the width of the belt, the outer end of each wire being provided with means for securing the end in place and the inner ends of said wires being free and overlapping each other in freely sliding relationship.



2,587,054
POWER-DRIVEN TAPER CUTTING SAW
William A. MacArthur, Long Beach, Calif.
Application July 26, 1948, Serial No. 40,773
6 Claims. (Cl. 143—36)

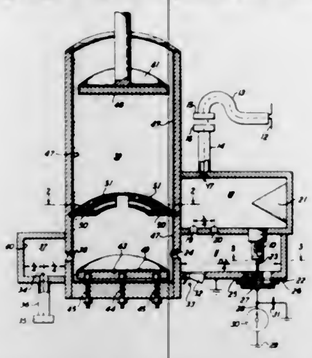


2. In combination with a conveyor and a drive means for said conveyor, a power driven taper cutting saw, the work engaged by the saw being moved on the conveyor, said saw comprising a base, a platform reciprocally mounted on the base, a carriage pivotally mounted on said platform, said saw being mounted on the carriage, a cam drum, drive means extending from the cam drum to the conveyor drive, and link means connecting said drum and said platform, and a second link means connecting said drum and the carriage whereby said carriage is partially rotated and reciprocated.

2,587,055
ELECTRICAL CAVITY RESONATOR FOR MICROWAVES
Robert W. Marshall, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 6, 1946, Serial No. 714,621
1 Claim. (Cl. 178—44)

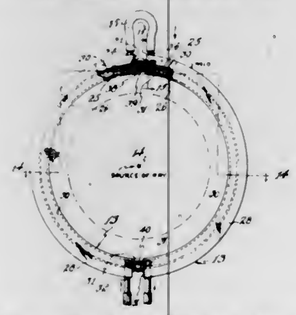
In combination, a high Q cavity resonator, means for exciting said resonator with microwave oscillations in a TE_{01n} mode, means fastened to the resonator side wall for discriminating against extraneous modes, an input transducer comprising a section of wave guide coupled to said resonator by orifice coupling and a coaxial line connected thereto, said line terminating in a probe extending into said guide parallel to the

resonator axis, said probe being spaced equidistant from said orifice coupling and the opposing



wall of said guide, said spacing being $\lambda/4$, where λ is the operating wavelength.

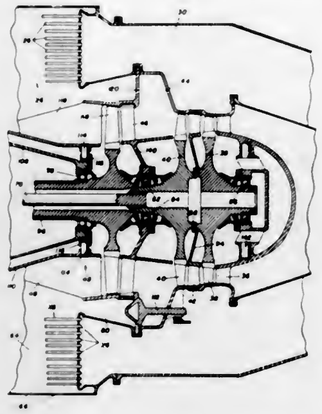
2,587,056
PROCESS FOR DETECTING FAULTS IN THE WELDS WHILE BEING MADE
Archie K. McElroy, Springfield, and Louis C. McNutt, Scotch Plains, N. J.
Application December 21, 1949, Serial No. 134,304
11 Claims. (Cl. 250—65)



1. The process for detecting faults in metal welds being made or finished which consists in placing a source of radiation such as radium on one side of the weld metal and also in placing a hollow jig on the opposite side of the metal with a radio-graphic film on the outer surface of the jig, then passing a cooling fluid through the jig whereby pictures of the weld may be taken of the weld and adjacent metal even at a temperature up around 1000° F.

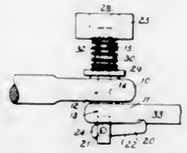
2,587,057
AUTOMOTIVE POWER PLANT WITH AIR PREHEATER AND REVERSE AXIAL FLOW THROUGH COMBUSTION CHAMBER TO POWER AND COMPRESSOR TURBINES
John R. McVeigh, Detroit, Mich., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich., a corporation of Virginia
Application July 12, 1947, Serial No. 760,569
3 Claims. (Cl. 60—39.36)

1. An axial flow internal combustion turbine engine comprising a compressor and a pair of axially aligned power turbines both axially aligned with said compressor, an inner casing provided with bearings for supporting said power turbines and said compressor and having an extension extending axially rearwardly of said power turbines and providing a combustion chamber, an outer annular casing encircling said inner casing and providing an axial flow air passage connecting the combustion chamber with said compressor and having a heat exchange unit, the hot gases generated in said combustion chamber being successively conducted to said power turbines and thence radially outwardly across said air passage in cooperation with said heat exchange unit, said power turbines relatively closely spaced to minimize pressure drop therebetween, the intermediate chamber be-



tween said power turbines extending radially outwardly beyond the extremities of said power turbines, and valve means associated with said intermediate chamber and operable to selectively open said chamber to the chamber externally of the inner casing on the exhaust side of the second power turbine, whereby to by-pass varying quantities of the hot gases around said second turbine, said second turbine operatively connected with a power take-off shaft, said first turbine operatively connected with said compressor.

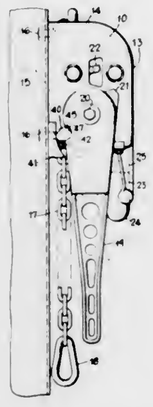
2,587,058
UNITARY PIVOT PIN OR BOLT
Robert G. Melrose, Lloyd Harbor, N. Y., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application July 20, 1949, Serial No. 105,884
1 Claim. (Cl. 85—3)



A pivot pin or bolt comprising a shank bifurcated at one end and threaded at its opposite end, a nut adjustable on the threaded end of the shank to be located either in an inoperative position whereupon joined members have limited relative lateral movement or in an operative position whereupon said joined members are totally prevented relative lateral movement, a latch pivoted adjacent one of its ends within the bifurcated end of the shank, and means on that end of the latch disposed within the bifurcation to engage the bifurcated end of the latch to permit the latch to swing in one direction only to occupy an angular position relative to the shank,

and a single lateral ear on the outer end portion of one longitudinal side and disposed in the plane of the latch to project in the direction in which the latch must move to assume its position angular to the shank, said one longitudinal side extending in a straight line from said ear to beyond the pivot of said latch and adapted to engage the surface of the adjacent member on opposite sides of the pivot of the latch, the maximum width of the latch being no greater than the greatest transverse dimension of the shank.

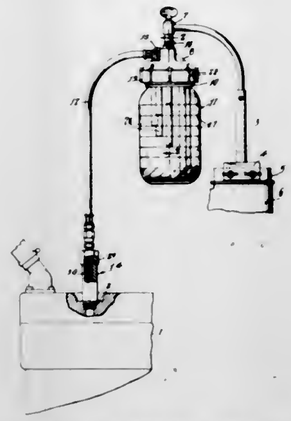
2,587,059
HAND BRAKE MECHANISM
Everard C. Mersereau, Westfield, N. J., assignor to National Brake Company, Inc., New York, N. Y., a corporation of New York
Application July 27, 1950, Serial No. 176,098
15 Claims. (Cl. 74—505)



1. A hand operated take-up mechanism comprising a detent wheel member, a holding pawl member having two rest positions, said pawl member being engaged with said wheel member in one of said positions and being out of engagement with said wheel in the other of said positions, means for holding said pawl member in said positions upon movement thereto, stationary means for mounting one of said members, means for rotatably mounting the other of said members, a rotatable take-up drum connected to the rotatably mounted one of said members, a hand lever connected to said drum and adapted to rotate said drum and said rotatably mounted member, and means operated by said hand lever for moving said pawl member into engagement with said wheel member.

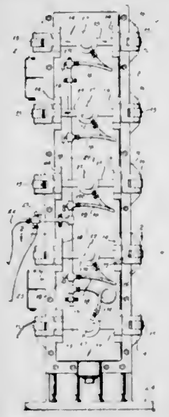
2,587,060
APPARATUS FOR LUBRICATING INTERNAL-COMBUSTION ENGINES
Harry R. Meyer, Santa Barbara, Calif.
Application March 2, 1946, Serial No. 651,489
3 Claims. (Cl. 222—42)

1. In apparatus of the character described, in which predetermined amounts of fluid are dispensed from a container, a two-part cap member for said container, the two parts of said cap member being spring-biased into engagement with one another and being rotatable with respect to one another, one of said cap parts having a plurality of conduits of different predetermined lengths, each with its axis equidistant from the axis of rotation of said parts, said one part having fastening means thereon arranged to releasably hold said container, the other one of said cap parts having a channel registrable with any one of said conduits moved adjacent thereto; an adjustable valve member arranged



to control the flow of fluid through said channel, a conduit having one of its ends in communication with said channel and the other one of its ends being adapted to screw-threadably enter the tapped spark plug opening normally found in present-day internal combustion engines.

2,587,061
MOLD CLAMPING DEVICE
John A. Nelson, St. Petersburg, Fla., assignor to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware
Application December 24, 1949, Serial No. 134,910
1 Claim. (Cl. 22—156)



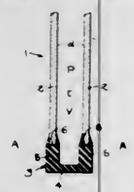
An ingot mold comprising two face plates with side bars and a bottom bar therebetween defining a mold cavity open at the top, a pair of hinged frames contacting the back surfaces of the respective face plates, yokes distributed uniformly throughout the length of said frames, said yokes being carried by one of said frames and engageable with the other, a fluid operated ram mounted in each of said yokes and single means for operating all of said rams to apply pressure uniformly throughout the length of said face plates.

2,587,062
PIN RETAINING MEANS
George K. Newell, near Pitcairn, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application November 28, 1947, Serial No. 788,627
3 Claims. (Cl. 287—96)



1. In combination, a member having outer and inner surfaces, respectively, and an opening extending therethrough between said surfaces, a pin removably inserted through a portion of said opening and fixed in a position in alignment therewith, said pin having a taper adjacent one end disposed adjacent to the inner one of said surfaces, a retaining element having a preformed portion contacting said one end and another portion formed during assembly in slidable engagement with said taper and the inner one of said surfaces.

2,587,063
MULTIPLE GLAZING UNIT
Harold W. Petsch, Dubuque, Iowa
Application March 26, 1949, Serial No. 83,576
2 Claims. (Cl. 20—56.5)

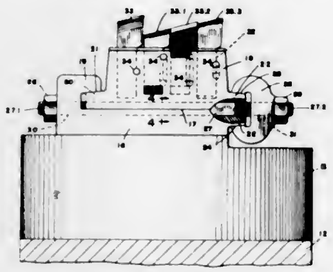


1. A glasing unit comprising two laterally spaced sheets of glass, a frame enclosing the edges of said sheets around the entire periphery thereof and composed of resiliently yieldable material, said frame being of U-shaped cross-section having a squared closed end and laterally spaced legs projecting therefrom in the planes of the sheets and abutting at their ends against the peripheral edges of said sheet whereby to permit movement of the sheet edges toward and away from each other by bending of the legs and said closed end, and a pair of laterally spaced flanges integral with and projecting from the end of each of said legs and tightly straddling the edge portion of one of said sheets to form a seal between the latter and one of said legs around the entire periphery of the sheet.

2,587,064
METHOD OF BLEACHING WOOD PULP
William Howard Rapson, Hawkesbury, Ontario, Canada, assignor to Canadian International Paper Company, Montreal, Quebec, Canada, a corporation of Canada
No Drawing. Application March 9, 1949, Serial No. 80,560
3 Claims. (Cl. 8—105)

3. A process for completing the bleaching of partially bleached chemical wood pulp comprising the steps of adding chlorine dioxide to an aqueous suspension of said pulp, permitting said chlorine dioxide to act on said pulp for a substantial length of time, maintaining the pH within the range of 7 to 10 during such action, and after substantially exhausting the chlorine dioxide as an active bleachant in the resulting suspension adding to said pulp a quantity of an alkaline hypochlorite and an alkaline hydroxide whereby to produce without substanital degradation a bleached pulp having a brightness in the range of 90 to 98.7 and suitable for conversion into cellulose derivatives.

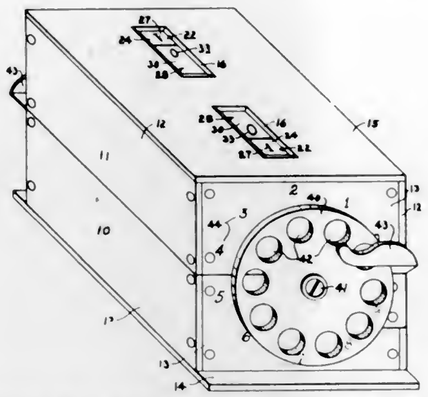
2,587,065
CUTTING TOOL MOUNTING
James S. Robbins, Highland Park, Ill.
Application March 25, 1950, Serial No. 151,851
5 Claims. (Cl. 262—33)



1. In a rock cutting machine, a chuck block having bit-shank sockets extending transversely into its front face thereof and having a planar base surface on its rear face, a base member having a planar seat for said base surface, a fixed hook on one end of said base member overlying said seat, a flange on the other end of said base member adjacent said seat, a pair of flanges extending respectively from opposite ends of said chuck block, one for engaging said hook and the other for overlying said base member flange, a C-clamp engaging said overlying flanges, said base member and chuck block having registering channels extending along said seat between said hook and C-clamp to form a keyway, and a bolt fitting said keyway and adjustably connecting said hook and C-clamp, said hook and C-clamp having wedging engagement with the flanges on said chuck block for locking said chuck block to said base member.

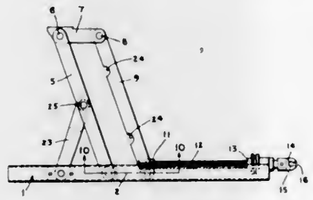
2,587,066
COUNTING APPARATUS
George L. Roy, Battle Creek, Mich.
Application May 16, 1949, Serial No. 93,475
13 Claims. (Cl. 235—117)

12. In a game counter, a housing having a plurality of sight openings, a plurality of separate registering devices in said housing, each visible through one of said sight openings, each of said registering devices including a pair of rotatable dials coaxially aligned and having their peripheries exposed through the respective sight opening, one of said dials having ten equally spaced numerals displayed on its periphery running from 0 to 9, the other of said dials having thirteen equally spaced numerals displayed on its periphery running from 0 to 12, brake means carried by said housing and engaging the peripheral portion of the second dial to prevent free rotation of same and overrunning of numerals thereon at the sight hole, a transfer mechanism intermittently connecting said dials and arranged to cause a complete revolution of the first dial to rotate the second dial from one numeral to the next successive numeral of that dial, said transfer mechanism including pawl engaging means formed on the second dial at thirteen equally spaced intervals, a pawl pivotally mounted on the first dial, an actuating arm rigidly carried by said pawl, a lug fixed in the path of said arm and engageable thereby to move said pawl into engagement with the respective pawl engaging means, a spring urging said pawl out of said engagement, an actuating dial having a fixed con-



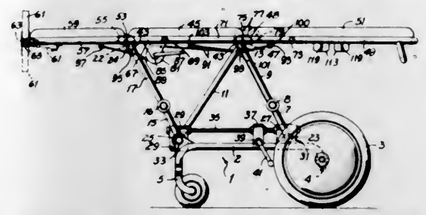
nection with said first dial to rotate the latter in unison with the actuating dial, said actuating dial consisting of a disc having ten equally spaced finger holes arranged on a circle adjacent its periphery, numerals running from 0 to 9 fixedly displayed in consecutive order on the housing in association with said finger holes, and a stop member carried by said housing and located adjacent the actuating dial alongside the path of said finger holes.

2,587,067
VEHICLE JACK
Rudolph Sachtleber, East Orange, N. J.
Application September 28, 1948, Serial No. 51,513
5 Claims. (Cl. 254—126)



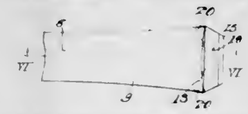
1. A lifting jack comprising a base, a carrier, rollers on said carrier and engaging said base, a pair of parallel lifting supporting levers pivotally connected to said carrier, a load seat plate pivotally connected to the free ends of the lifting levers, a bracing lever pivotally connected to said supporting levers intermediate their ends and pivotally connected to said base, a feed nut carried by said carrier, a feed screw rotatably carried by said base and engaging said feed nut for moving said carrier along the base to raise or lower said supporting lifting levers, and a brace bar having one end pivotally connected to said carrier and disposed to move with said carrier in the horizontal line of said base and the other end pivotally connected to said load seat plate.

2,587,068
INVALID LIFT AND TRANSFER APPARATUS
Clifford E. Sanders, Maplewood, Mo., assignor, by decree of distribution, to Lillie K. Sanders
Application October 17, 1947, Serial No. 780,532
5 Claims. (Cl. 5—81)



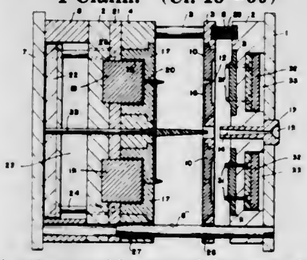
1. Adjustable mobile apparatus for invalids comprising a mobile supporting frame, a section to be raised and lowered, spaced gear-reduction units carried on the frame, a power unit driving said spaced units, parallel driving levers of equal lengths driven by said spaced units, parallel links of equal lengths pivoted to the driving levers and pivotally connected to said section, and a stabilizing link pivoted to said section and the frame.

2,587,069
PIPE BIT
Samuel Paul Sharron, Brooklyn, N. Y.
Application October 12, 1949, Serial No. 120,905
5 Claims. (Cl. 131—229)



1. A bit of the character described comprising, a shank, a tip, a main smoke channel extending through the shank and tip, at least the tip being provided with a slot the base of which defines a generally convex wall surface extending from the main smoke channel to both sides of the bit, and a cap piece adapted to fit against the end of the tip and having a tongue which fits in the slot, is co-extensive laterally with said slot and has an inner wall defining a smoothly concave surface spaced from the said convex wall surface, whereby the space between said surfaces constitutes a pair of side channels extending from the end of the main channel to vents in the sides of the bit which are positioned forwardly of said end of the main channel.

2,587,070
MULTIPLE MOLDING BY THERMOPLASTIC INJECTION
Kenneth W. Spillman, Whittier, Calif.
Application January 7, 1949, Serial No. 69,798
1 Claim. (Cl. 18—30)



An injection mold comprising a pair of axially shiftable mold sections mounted face to face in

axial alignment and adapted to be clamped together in an injection press, each section having a pair of axially separable plates disposed normal to its axis and in face to face abutment, each pair of plates having a plurality of mold cavities formed between their abutting faces and the mold cavities of one section being disposed relative to the cavities of the next section so that the axially projected areas of the corresponding cavities of both sections will be substantially in common, the adjacent plates of said sections having gates leading axially from the respective mold cavities to the mutually facing section surfaces, and a sprue extending axially through one section to the other, one of said mutually facing section surfaces having branch passages formed therein to connect said mold cavity gates with said sprue.

2,587,071

PRODUCTION OF CALCIUM HYPOCHLORITE

Jerome W. Sprauer, Roslyn, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application November 24, 1945, Serial No. 630,706
8 Claims. (Cl. 23—86)

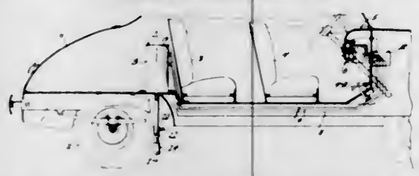
1. In a process for precipitation of neutral calcium hypochlorite by salting out this material from a solution containing calcium and hypochlorite ions, the improvement which comprises substantially completing the addition of the salt within a period of about 60 minutes, maintaining said solution substantially free from soluble sulfate, and carrying out the precipitation at a temperature below about 30° C.

2,587,072

SANDER FOR AUTOMOTIVE VEHICLES

Peter J. Sundheim, Buffalo, N. Y.

Application February 10, 1950, Serial No. 143,450
2 Claims. (Cl. 291—34)



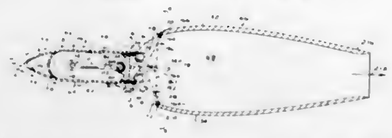
1. In a sander for automotive vehicles, a storage bin having a discharge opening therein, sand-conducting means leading from the discharge opening to in front of the rear wheels of the motor vehicle; a solenoid having a gate attached thereto and the gate positioned in front of the said discharge opening; an electric circuit, including the said solenoid; a dashboard switch in said circuit, whereby a closing of said switch will energize the said solenoid to thus raise the gate and permit a flow of the sand to in front of the rear wheels of the vehicle; a further electric circuit, including a brake pedal switch to close the last-mentioned circuit and energize the solenoid to in turn operate the gate and thus permit a flowing of the sand, but only as long as said brake pedal switch is depressed; a shunt circuit in said first-mentioned electric circuit and a signal light therein to show when the solenoid is energized; and a further circuit and an arm-operated switch, said arm mounted in said storage bin and holding the switch open when there is sand in the bin, a signal lamp in said last-mentioned circuit and said arm swinging inwardly to close the said circuit to thus light the signal lamp when said storage bin is empty.

2,587,073

COMPOUND RECIPROCATING-PULSE JET AIRCRAFT POWER PLANT

Robert H. Swartz, New York, N. Y.

Application August 24, 1949, Serial No. 112,044
5 Claims. (Cl. 60—35.6)



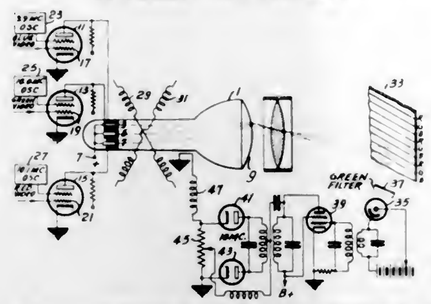
1. A propulsion device comprising at least one cylinder, a piston movable in said cylinder, a crankshaft mounted for rotation about an axis perpendicular to the axis of said cylinder, a connecting rod pivotally engaging said piston and said crankshaft at its respective ends, means for admitting a combustible mixture into said cylinder, said piston being movable to compress said combustible mixture, means for igniting said compressed combustible mixture whereby high pressure gases are produced upon the combustion at least in part of said mixture in said cylinder, a reaction housing having a combustion chamber, normally closed valve means communicating between said cylinder and said combustion chamber, fresh air induction means communicating with the interior of said combustion chamber and being normally open to allow fresh air to enter the same, means linking said cylinder valve means communicating with said combustion chamber and said fresh air induction means whereby upon the opening of communication by said valve between said cylinder and said combustion chamber, said fresh air induction means is moved to closed position, and whereby upon the closing of communication by said valve between said cylinder and said combustion chamber, said fresh air induction means is moved to open position, and whereby, upon entry of the said high pressure gases and partly consumed combustible mixture from the cylinder into said combustion chamber it is there intermixed with the fresh air therein and the combustion thereof continues, to produce high pressure high temperature gases in the combustion chamber, jet nozzle discharge outlet means forming an outlet for said high pressure gases from said combustion chamber, whereby a reactive thrust is produced, and wherein said fresh air induction means comprises a pair of air intake ports formed in a wall of said combustion chamber and disposed in the air stream of fresh air through which the aircraft moves, and adapted when open, to allow fresh air to be rammed into said combustion chamber directly, as a result of such movement, and in which said normally closed valve means communicating between said cylinder and said combustion chamber comprises a pair of valve gates pivoted in said cylinder head and constructed and arranged that when in valve closed position said valve means blocks communication between said cylinder and said combustion chamber, and unblocks said pair of air intake ports, and when in valve open position, said valve means unblocks communication between said cylinder and said combustion chamber, and blocks entry of fresh air through said air intake ports into said combustion chamber, and in which said resilient bias of said valve means allows said valve gates to move to valve closed position when the pressure within said combustion chamber has fallen to a predetermined level.

2,587,074

COLOR TELEVISION IMAGE REPRODUCING SYSTEM

George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 29, 1948, Serial No. 51,766
11 Claims. (Cl. 178—5.4)



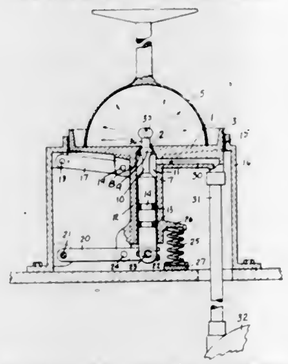
1. A color television system comprising, in combination, a plurality of adjacently positioned strip-like and horizontally orientated different selected component color light producing elements, a separately controlled electron scanning beam for each of the different selected component colors, a beam intensity control electrode for each of said electron scanning beams, beam deflection means for directing the scanning of said scanning beams substantially along their respective color designated light producing elements, appropriately color designated video signal channels connected to each of said beam intensity control electrodes, a signal mixer in each of said channels, an oscillator having a different frequency output from the other oscillators connected to each of said signal mixers, a light sensitive device responsive to only one of said selected component colors, said light sensitive device positioned to receive light from said elements, a frequency discriminator having input and output circuits, a connection between said light sensitive device and said frequency discriminator input circuit, said frequency discriminator having a center frequency equal to the middle frequency of said oscillators, and means connected to the output circuit of said discriminator for controlling the vertical position of said electron beams.

2,587,075

COCKTAIL GLASS COOLER AND METHOD

Reuben S. Tice, Monterey, Calif.

Application July 11, 1947, Serial No. 760,401
16 Claims. (Cl. 62—91.5)



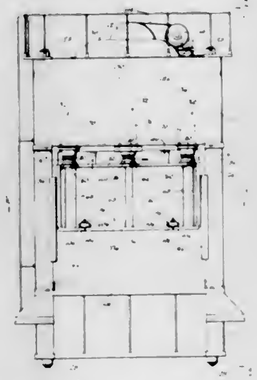
1. The method of cooling a cocktail glass that comprises forming a coating of solid CO_2 against the inner sides of said glass and exposing the inside of said glass to substantially atmospheric pressure for permitting the sublimation of said coating.

2,587,076

PUNCH PRESS

John Verson and Nick Kassnel, Chicago, Ill., assignors to Verson Allsteel Press Company, Chicago, Ill., a corporation of Delaware

Application July 15, 1948, Serial No. 38,916
9 Claims. (Cl. 113—46)



1. A convertible single and doube acting press comprising a work slide, means for reciprocating said work slide, a blank holder slide, hydraulic means separate from said work slide reciprocating means for reciprocating said blank holder slide, said hydraulic means including a cylinder, a piston reciprocable in said cylinder, means removably connecting said piston to said blank holder slide when the press is operated double acting, said last named means being adapted to secure said piston to said cylinder when the press is operated single acting, and means for controllably supplying fluid under pressure to said cylinder to reciprocate said blank holder slide, manually removable means to interlock said blank holder slide with said work slide so that they may move in unison when the press is operated single acting, and manually operable selector means for rendering said fluid supplying means operative or inoperative during such time as the press is operated double acting or single acting, respectively.

2,587,077

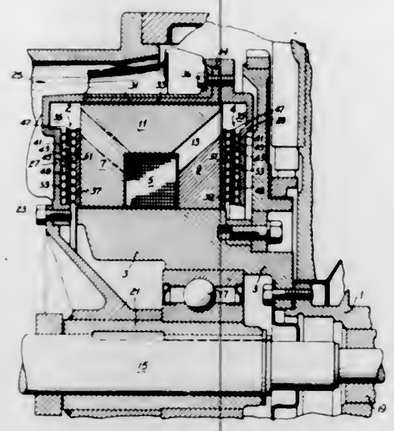
LABYRINTH SEAL

Anthony Winther, Kenosha, Wis., assignor to Martin P. Winther, as trustee

Application June 25, 1948, Serial No. 35,191
2 Claims. (Cl. 286—10)

1. A labyrinth seal for use between relatively rotary coaxial parts, said parts providing an annular reservoir for flowable non-gaseous material, said rotary parts having axially spaced and radially arranged opposing faces, comprising a series of concentrically arranged conical open-ended rigid frustums extending from one part away from the axis and coaxial therewith and positioned inside the reservoir, and a second series of oppositely directed hollow concentrically arranged conical open-ended rigid frustums extending from the other part away from the axis and coaxial therewith and also positioned inside the reservoir, the sides of the frustums sloping with respect to the axis of rotation an amount substantially smaller than their complementary

slopes with respect to a radial plane, whereby the open ends of the frustums may be interdigitated a substantial amount while allowing large enough clearances therebetween that any of said flowable



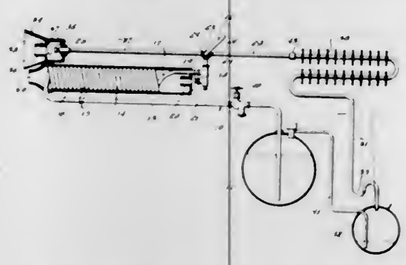
material that may enter between the frustums during standstill will freely return to the reservoir under centrifugal force induced by rotation of the rotary members.

2,587,078

VAPORIZING TYPE OIL BURNER APPARATUS

Paul Wollner, Weehawken, N. J.

Application January 22, 1949, Serial No. 72,179
1 Claim. (Cl. 158—53)



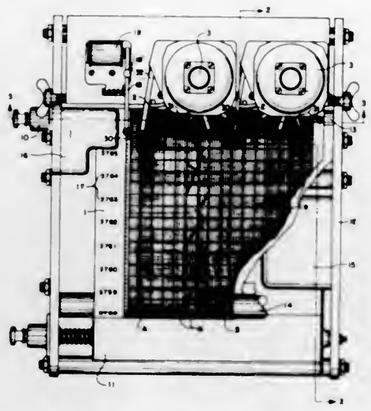
In a vaporizing type oil burner apparatus, a hydrocarbon vapor fuel generator including a coil for conducting liquid fuel and a burner having an orifice of constant area for projecting a flame axially of said coil for vaporizing the fuel therein, means to conduct fuel vapor from said coil to said burner orifice, a tank for containing fuel under pressure, means for conducting the fuel from the tank to the coil and for regulating the quantity of flow thereof whereby vaporized fuel issuing from the orifice of said burner is of substantially constant pressure to thereby produce a flame of constant size for obtaining vaporized fuel of constant volume and pressure, a main burner having an orifice of constant area, a condenser having an inlet of constant area, a vapor fuel supply line leading from said vapor conducting means with branches to said main burner and condenser, and a valve interposed in said fuel supply line at the juncture of the branches therewith for proportioning the flow of the vaporized fuel from said vapor conducting means to said main burner and condenser.

2,587,079

MULTIPLE SCALE GRAPHIC RECORDING MECHANISM

Frederick E. Woods and Willard P. Williams, Seattle, Wash., assignors to Boeing Airplane Company, a corporation of Delaware

Application April 6, 1946, Serial No. 660,120
12 Claims. (Cl. 346—66)



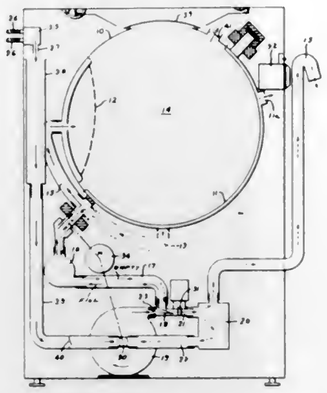
5. In recording mechanism employing tape providing a recording surface, the combination of means operable to move said tape lengthwise, a stylus engageable with the recording surface, an arm pivoted to swing about an axis perpendicular to the recording surface and supporting said stylus for swinging across such surface transversely of the direction of movement of said tape, a spider pivoted about an axis parallel to the axis of said pivoted arm and having a plurality of arms extending generally radially of its pivot, a plurality of additional styluses carried one by each of said spider arms and engageable one at a time in succession with the same recording surface between predetermined spaced limits thereon at a location substantially aligned with said first stylus transversely of the direction of movement of the tape, means operable to shift said additional styluses away from the plane of the recording surface when outside the space between said limits, said additional styluses being spaced from the spider pivot by a distance substantially half as great as the distance between said first stylus and the pivot axis of its supporting arm, reduction gearing interconnecting said supporting arm and said spider for coordinating swinging of said arm with rotation of said spider to effect movement of said additional styluses through an amplitude several times as great as the amplitude of movement of said first stylus and bearing a definite relationship thereto, and drive means operable in response to variations in a factor to be measured to move simultaneously said arm, to cause said first stylus to draw a continuous graph, and said spider to cause said additional styluses to draw a discontinuous graph having its interruptions at points of intersection thereof with said spaced limits and composed of sections similar in shape to the continuous graph drawn by said first stylus disposed in superposed relationship lengthwise of said tape, but the deviation of the graph sections being amplified as compared to that of the continuous graph by the ratio of movement of said additional styluses to said first stylus effected by the relative length of said supporting arm and said spider arms and the reduction of said gearing.

2,587,080

FLUID CONTROL APPARATUS

Carel F. Abresch, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application September 28, 1949, Serial No. 118,316
6 Claims. (Cl. 137—78)



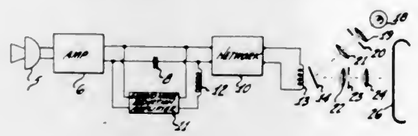
1. In combination: an enclosure adapted to have a vacuum imparted thereto and adapted to have liquid introduced therein; a jet pump having its normal intake connected to said enclosure and its discharge connected to a separator; a centrifugal pump; recirculating passages between said separator, centrifugal pump and jet pump; liquid supply means connected to the intake of said centrifugal pump; and an obstructing means between said jet pump and separator to cause liquid to be backed up into said enclosure.

2,587,081

PRESHAPING OF RECORDED WAVES

Frederick G. Albin, Beverly Hills, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application August 27, 1949, Serial No. 112,826
10 Claims. (Cl. 179—100.3)



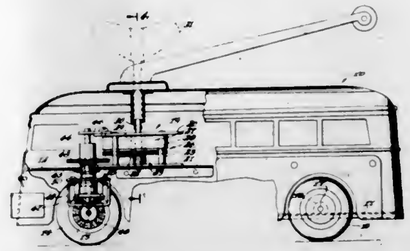
1. A sound recording system, comprising a source of alternating current signal, an optical recording system including a light beam modulator for varying a light beam in accordance with the instantaneous values and average values of the signal waves impressed thereon, a ground noise reduction amplifier connected between said source of signal and said modulator to vary said light beam in accordance with the average value of said signal, a transmission line between said source and said modulator, and a wave shaping network in said line intermediate said signal source, said ground noise reduction amplifier and said modulator for varying the instantaneous amplitude of the wave as impressed on said modulator in accordance with the instantaneous amplitude of said original wave and the average amplitude thereof.

2,587,082

TOY WHEELED VEHICLE

Alois Albisetti, Ridgefield, N. J.

Application May 20, 1948, Serial No. 28,142
3 Claims. (Cl. 46—208)



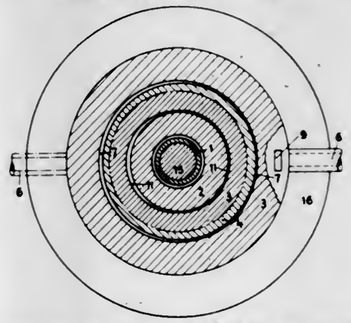
1. A toy vehicle including a body, a driving motor supported by said body, front wheels and rear wheels, said rear wheels being idly rotatably mounted on the vehicle, a vertical shaft operatively connected with said motor for rotation of the shaft by the motor, a front axle having a gear thereon, said shaft having a gear thereon in mesh with said first gear, said axle thereby being rotatable by said shaft on the axis of the shaft when said front axle is restrained from rotation about its own axis, one of said front wheels being rigid on said front axle, the other of said front wheels being loosely rotatable on said axle, a friction clutch partly on said axle and partly on said other of said front wheels normally frictionally locking the latter front wheel on said axle, said motor through said shaft and said gears normally rotating said axle and said front wheels thereby providing locomotive traction for the vehicle, said front wheels when the vehicle meets an obstacle which prevents its continued movement in the same direction being prevented from continued rotation on said axle by said obstacle whence the power of said motor exerted through said shaft causes said shaft to swing said axle about the axis of said shaft whence said clutch slips and said front axle pivots about the point of contact of said one of said front wheels with the surface on which the vehicle rests thereby steering the vehicle onto a new course clear of said obstruction.

2,587,083

APPARATUS FOR ATOMIZING FLUIDS

Carl Andermatt, Zurich, Switzerland, assignor to Luwa, S. A., Zurich, Switzerland, a corporation of Switzerland

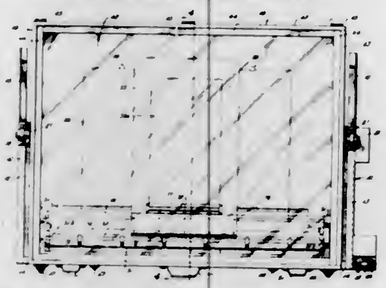
Application March 14, 1946, Serial No. 654,395
In Switzerland March 17, 1945
5 Claims. (Cl. 299—63)



2. A device for feeding a fluid to a rotating disc comprising; a static mixing chamber; means to

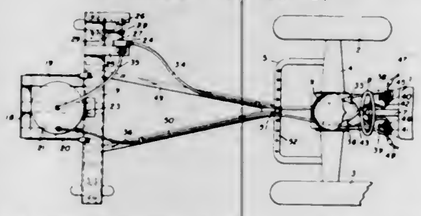
introduce a fluid into said chamber; a static distributing chamber in substantially axial alignment with said mixing chamber; a wall separating said chambers, said wall having a valved aperture for permitting variable fluid flow between said chambers; and said distributing chamber having a plurality of radially spaced ports for discharging said fluid at spaced points onto the said rotating disc.

2,587,084
PHOTOCOMPOSING MACHINE
Paul Anderson, San Antonio, Tex.
Application March 21, 1951, Serial No. 216,785
6 Claims. (Cl. 95—76)



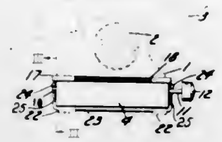
1. A photocomposing machine comprising a printing frame having a baseboard, an aperture in said baseboard, a trough below said aperture, a first shaft within said trough, a negative holder carriage slidably mounted on said first shaft, a negative holder detachably secured to said carriage in position to overlie said baseboard, a second shaft removably positioned in said trough in parallel relation to said first shaft, a plurality of stop members adjustable along the length of said second shaft, means on said carriage for cooperating with said stop members for positioning said carriage and said negative holder relative to said baseboard, a lid for covering said aperture, said printing frame having a printing frame cover including a sheet of transparent flexible material for covering said baseboard, means for sealing the edges of said transparent sheet to said baseboard, and means for reducing the air pressure within said trough and between said baseboard and said transparent sheet.

2,587,085
DEVICE FOR APPLYING LIQUID FERTILIZER
Philip C. Anderson, Crete, Nebr.
Application March 13, 1947, Serial No. 734,349
2 Claims. (Cl. 280—5)



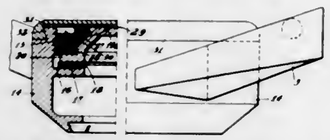
1. A vehicle structure comprising an inverted U-shaped frame having depending legs and a web connecting the upper ends of said legs, a tongue secured to said web, wheels mounted adjacent the lower ends of said legs to support said frame, a tank frame attached to said web and disposed below said web, said tank frame being disposed between said wheels, supports extending from said web and secured to said tank frame, a tank disposed on said tank frame and adapted to retain fluent material, a post rising substantially vertically from said web intermediate the ends thereof, and a flexible member secured to said post and extending around said tank to retain said tank on said tank frame.

2,587,086
LIST MOUNTING
Howard W. Anteau, Toledo, Ohio
Application June 29, 1948, Serial No. 35,782
2 Claims. (Cl. 40—10.5)



1. A telephone list item comprising a U-frame forming a front with a pair of parallel legs therefrom, aligned roll bearings in the legs spaced from the front, a roll between the legs mounted in the bearings and having a control knob outward from one of the legs, there being pivot bearings aligned between the legs and more remote from the front than the roll bearings, a lid swingably mounted in the pivot bearings to cover the roll, said roll being adapted to carry telephone call identity data, said lid having a window in register with roll data as adjusted by the knob, said legs being outwardly yieldable to span astride a telephone cradle base with clearance away from a support for the base, and a spring clamp in said clearance and extending transversely to embrace the legs to grip the base in detachably anchoring the item assembled with the cradle with the window thereby held spaced radially of the roll from the base.

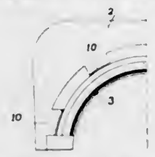
2,587,087
TIGHT WATCHCASE
César Arnoux, Le Noirmont, Switzerland
Application August 10, 1945, Serial No. 610,051
In Switzerland March 27, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 27, 1964
4 Claims. (Cl. 58—90)



1. A tight watch case comprising a movement case, which has formed thereon a thread and an annular flat bed, a comparatively thin and flat packing ring disposed on said bed, a dome having a cambered portion and a projecting circumferential rim and being disposed with a flat face surface thereof on said packing ring, a threaded fixing ring screwed on said movement case and bearing axially upon said projecting rim on the face thereof opposite from said face of said rim which is disposed on said packing ring, so that pressure exerted by said threaded fixing ring against said projecting rim is transmitted through said rim to said packing ring, said fixing ring bearing against said projecting rim exclusively along a flat surface thereof, said fixing ring being provided with engaging means for

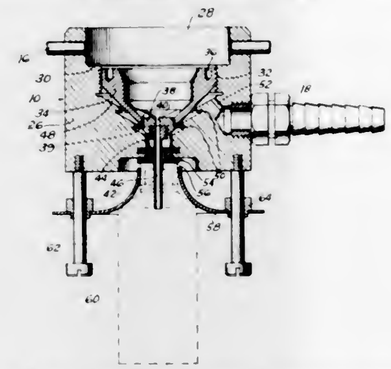
screwing the same onto the case and with a cambered portion at the inner side thereof having a surface situated closely adjacent to said cambered portion of said dome shaped correspondingly thereto, and an outer back covering said dome and being comparatively thin, said outer back being only slightly spaced from said dome, so as to be supported by the latter upon any substantial pressure from outside.

2,587,088
BUSH FOR BEARINGS
Gaston Georges Eugène Augereau, Paris, France
Application July 25, 1945, Serial No. 607,011
In France May 13, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 13, 1962
6 Claims. (Cl. 308—53)



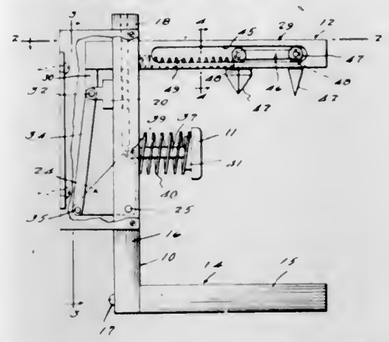
1. In a bearing having a shell-type bushing; the combination with the bearing box of a thin, deformable split shell formed of a portion of a cylinder; and of a longitudinally tapered key having a cross-sectional shape of a segment of a cylinder having inner and outer radii conforming to that of said shell; said key being so positioned and engaging said shell as to expand the latter in the box.

2,587,089
VACUUM TYPE DUST COLLECTOR APPARATUS FOR FILLING CONTAINERS WITH COMMINUTED MATERIAL
John Balla, Jr., Chicago, Ill., assignor to Allen B. Wrisley Company, Chicago, Ill., a corporation of Illinois
Application July 15, 1947, Serial No. 761,101
9 Claims. (Cl. 226—116)



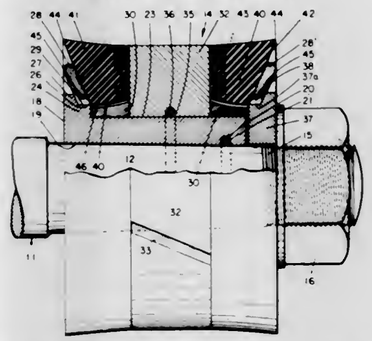
1. A filler head for feeding comminuted material into a container comprising a housing having a generally funnel-shaped opening extending therethrough, a generally funnel-shaped spout substantially concentric with said opening and nested therewithin, and a filling tube also substantially concentric with said opening communicating with said spout and depending from a lower surface of said housing, said spout and said tube being spaced from the side walls of said opening providing an annular funnel-shaped vacuum passageway therebetween, a side wall of said annular vacuum passageway having a plurality of annular dust-collecting pockets formed therein.

2,587,090
CAN OPENER
Ira G. Bandy, Detroit, Mich.
Application November 4, 1947, Serial No. 783,915
6 Claims. (Cl. 30—6.1)



1. A can perforator comprising a base, a vertical arm on said base, a horizontally disposed perforating member slidably carried by said arm, can piercing means carried by perforating member; an elongated toothed rack fixed relative to said perforating member and depending therefrom, a spur gear rotatably carried by said arm, and meshing with said rack, and a spring pressed operating member operatively connected to said gear and disposed below said perforating member adapted upon movement thereby by a can sliding horizontally on said base to rotate said spur gear and effect downward movement of said perforating member to pierce the can.

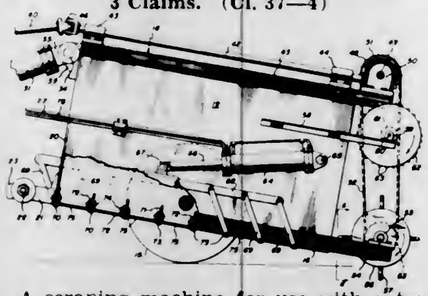
2,587,091
PISTON
Byron H. Barnes, San Marino, and Burt S. Minor, Whittier, Calif.
Application May 17, 1948, Serial No. 27,444
2 Claims. (Cl. 309—23)



1. A piston construction comprising a piston rod, a sleeve-like hub removably mounted on said rod, a bearing ring removably mounted on said hub, said bearing ring having a pressure relief passage extending to opposite sides of the ring, means mounted on said hub cooperating with said bearing ring to form an external packing groove at one end of said hub, a washer mounted on said piston rod at the other end of said hub, means on said washer cooperating with

said bearing ring to form a second external packing groove, a packing ring in each of said grooves, means providing a vent passage from the bottom of each of said packing grooves to the adjacent ends of the piston, and a member removably mounted on said piston adapted to bear against said washer and hold the parts of the piston together.

2,587,092
SELF-LOADING EXCAVATOR
Cornelius Bartsch, Dinuba, Calif.
Application November 10, 1949, Serial No. 126,595
3 Claims. (Cl. 37—4)

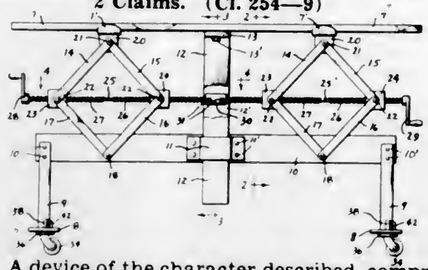


1. A scraping machine for use with a tractor having a power take-off shaft and drawbar and equipped with a hydraulic system, said machine comprising a wheeled container having its top and rear end open, a pulling tongue for the forward end of the wheeled container and pivotally connected with the drawbar of the tractor so that the container may swing vertically about its wheels, a transverse rotary scraper cylinder rotatably mounted upon the rear end of the container adjacent the bottom of the container and having radial blades which engage the ground to scrape the same, the blades propelling the scraped material into the rear end of the container, a longitudinal rotary shaft mounted upon the top of the container, said longitudinal shaft being operatively connected with the scraper cylinder to turn it, a telescoping shaft connected with the forward end of said longitudinal shaft and with the power take-off shaft of the tractor, a hydraulic cylinder connected with the forward end of the container near the top of the container and connected with said pulling tongue, the hydraulic cylinder being connected with the hydraulic system of the tractor and serving when actuated to tilt the container about its wheels to raise and lower the rotary scraper cylinder, and means including a vertically swingable plate connected with the container near its bottom to dump the contents thereof upon the ground.

2,587,093
PROCESS FOR THE MANUFACTURE OF POLYCYCLIC QUINONES WHICH CARRY A NITRO AND A HYDROXY GROUP AS NUCLEAR SUBSTITUENTS
Philip Leigh Belshaw, Harold Thompson Howard, and Francis Irving, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 3, 1950, Serial No. 153,754. In Great Britain April 13, 1949
5 Claims. (Cl. 260—380)

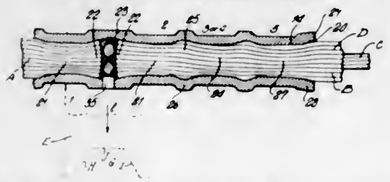
1. Process for the manufacture of polycyclic quinones carrying a nitro and a hydroxy group as nuclear substituents which comprises treating polycyclic quinones selected from the group consisting of anthraquinones, anthanthrones and pyranthrones carrying at least two nuclear substituents selected from the class consisting of nitro and halogeno, with a metal nitrite in an organic solvent and in the absence of a free acid.

2,587,094
ADJUSTABLE HOSPITAL TABLE
Nels O. Berg and Abraham M. Budnick, Seattle, Wash.
Application January 26, 1948, Serial No. 4,416
2 Claims. (Cl. 254—9)



1. A device of the character described, comprising, a table top, a pair of bars horizontally disposed in spaced relation from each other for supporting the table top, ground wheels adjustably disposed beneath the outer ends of the bars for carrying the table normally in straight lines of travel, legs extended vertically from the centers of the bars, a rail mounted between the two sets of legs adjacent the tops thereof for a support beneath the center line of said table top, shanks attached to and depending from adjacent the center of the table and slidably disposed on opposite sides of the rail to guide and prevent the table from swaying laterally when a load is placed on one edge thereof, a plurality of pairs of levers disposed between the bottom of the table and the rail in spaced relation beneath the table, the upper ends of said pairs of levers being pivotally connected to the table, and the lower ends of said pairs of levers being pivotally connected to sides of the rail, the lower ends of the top pairs of levers and the upper ends of the lower pairs of levers being connected together respectively by pivots spaced apart longitudinally, the last described pivots being attached to blocks adapted to be moved to and fro longitudinally, a threaded rod meshed with right and left handed threads respectively through the pairs of blocks, said threaded rod being provided with cranks on the outer ends thereof for manual operation for moving the blocks and for collapsing and expending the sets of levers for raising and lowering the table top to conform with hospital beds, and operating tables.

2,587,095
ELECTRIC CABLE CONNECTOR
Martin D. Bergan, Westfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application April 8, 1947, Serial No. 740,111
5 Claims. (Cl. 287—109)



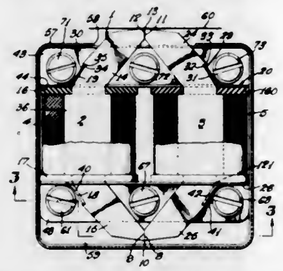
2. A stock tube for forming a coupling sleeve fashioned to be distorted into a binding engagement with conductors intruded into the opposite ends thereof, said tube provided with a bore the central portion of which is of uniform section and serrated, the end portion of the bore being of slightly greater diameter than the central portion and the portion of the bore between the central portion and each end portion forming intermediate tapered portions and each end of the tube gradually increasing in diameter from the smaller diameter central portion towards the relatively larger diameter portions, the intermediate and end portions of the bore being smooth and thus not serrated, and which is provided adjacent its mid-length with a transversely extending hole opening into the bore.

2,587,096
STAPLING MACHINE
Sidney M. Berger, Brooklyn, N. Y.
Application February 19, 1951, Serial No. 211,620
23 Claims. (Cl. 1—48)



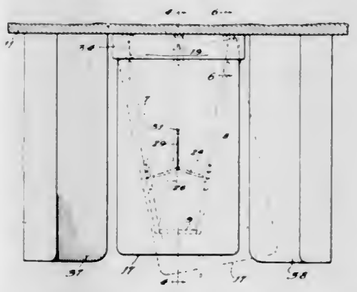
1. In a stapling machine of the plier type, a pair of arms pivotally connected together, wire feed means on one of said arms operated responsive to a first stage of relative rotation thereof, wire shearing means on one arm arranged to cut off a length of wire responsive to a second stage of relative rotation of said arms, a first concave die element secured to said one of the arms opposing said wire shearing means, a second concave die element on said one arm opposing said first die element, a movable fulcrum element on said one of the arms and being movable between said die elements, and means withdrawing said fulcrum element from between the die elements responsive to a succeeding stage of relative rotation of said arms.

2,587,097
MAGNETIC TRANSDUCER HEAD AND MOUNT THEREFOR
Emmanuel Berlant, Culver City, Calif., assignor to Berlant Associates, Los Angeles, Calif., a partnership
Application November 19, 1948, Serial No. 60,897
6 Claims. (Cl. 179—100.2)



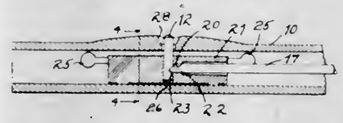
1. A magnetic head having a pair of core halves each having a pair of inclined legs and apertured flanges through which said legs extend, the corresponding legs at one side of the core halves fitting together and the corresponding legs at the other side of the core halves being spaced forming a gap, a separator in said gap, the outside of each of said legs of both core halves having a notch and a pair of plates each having an aperture through which the corresponding legs project at opposite sides of the core, respectively, mounted on the adjacent flanges each of said plates having a pair of spaced compression leaf springs each fitting one of said notches of said corresponding legs, the springs of each plate forcing the corresponding legs together, each notch having a wall serving as an abutment for the end of its spring to hold said plates in position.

2,587,098
BOOTH WALL MOUNTED MOVABLE TABLE TOP
Gustave Harder Binz, Chicago, Ill.
Application March 12, 1946, Serial No. 653,819
2 Claims. (Cl. 311—18)



1. In a structure of the character described, a horizontally disposed base, a table top mounted on said base, a pin projecting downwardly from the table top for movement within a slot extending longitudinally of the base, another slot formed adjacent the outer end of the base to receive another pin projecting downwardly from the table top, said last mentioned slot extending from a point on the longitudinal axis of the base outwardly and forwardly toward the sides of the base along arcuate paths, a tension spring secured at one of its ends to said last mentioned pin and extending longitudinally along the base toward the first mentioned slot and attached to the base.

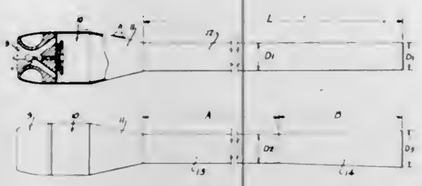
2,587,099
RESILIENT HEAD FOR DIAL BORE GAUGES
John J. Bishop and Earl M. Boat, Poughkeepsie, N. Y., assignors to Standard Gage Company, Inc., Poughkeepsie, N. Y., a corporation of New York
Application May 16, 1947, Serial No. 748,400
4 Claims. (Cl. 33—178)



3. In a dial bore gage, in combination, a sleeve formed of resilient material, a block mounted in said sleeve, said block having bores therein at right angles to each other, one extending longitudinally of said block and the other transversely thereof and intersecting the first, a measuring plunger in said transverse bore, said plunger projecting through the wall of said sleeve, a radially enlarged area on said sleeve surrounding said projecting end of said plunger, and a pair of slots in said sleeve, said slots extending longitudinally of said sleeve, said radially

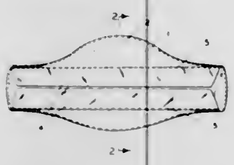
enlarged area lying above said slots and being given increased resiliency thereby to provide resilient resistance of said radially enlarged area to inward deformation and align the device in a bore to be measured.

2,587,100
PULSE JET THRUST ENGINE
Leroy E. Black and Charles B. Marks, Las Vegas, Nev., and William L. Tenney, Crystal Bay, Minn.; said Black and Marks assignors to said Tenney
Application April 11, 1946, Serial No. 661,280
3 Claims. (Cl. 60—35.6)



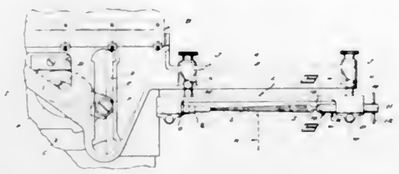
1. A resonant pulse jet device comprising a combustion chamber having internal walls adapted for the rapid pulsating flow of gases therethrough, means including an intake passage for introducing combustible constituents into the combustion chamber, an exhaust pipe opening directly and freely into said combustion chamber and forming with said combustion chamber a system resonant in gases, said exhaust pipe having its forward portion of its length of substantially uniform cross-sectional area and having a terminal portion of its length in which the cross-sectional area at the exhaust end is materially greater than the cross-sectional area of said forward portion but not substantially in excess of the critical range of about 162 per cent thereof.

2,587,101
SADDLE FOR BRASSIÈRE STRAPS
Iva L. Blalock, Portland, Oreg., and Leila E. Ewing, Auburn, Calif.
Application October 23, 1950, Serial No. 191,688
1 Claim. (Cl. 2—2)



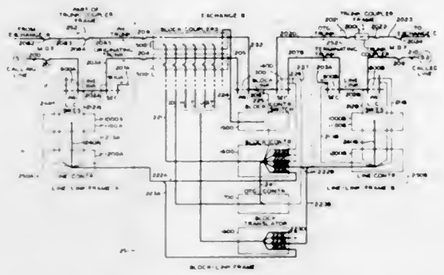
A shoulder strap saddle of the type described, comprising a thin pliable pad for resting on a wearer's shoulder under a shoulder strap, said pad being of a length to curve over a wearer's shoulder to relieve it of the tension of a shoulder strap, and a pair of thin flaps mounted on said pad in opposed relation with their adjacent edges closely juxtapositioned and their opposite edge portions secured longitudinally of said pad to permit swinging apart to receive a shoulder strap therebetween, said flaps being of relatively stiff material and being elongated longitudinally of said pad to be forced flat against said pad and over a shoulder strap when the pad is curved over a shoulder whereby to lock a shoulder strap between said pad and said flaps.

2,587,102
FILE HOLDER FOR SAW FILING MACHINES
Charles C. Bornholdt, Rochester, Minn.
Application September 1, 1949, Serial No. 113,582
2 Claims. (Cl. 76—31)



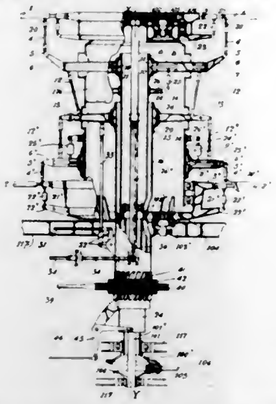
1. For a saw filing machine using a conventional three cornered file and having a reciprocating frame with opposed clamps and a holder in one clamp for engaging one end of the file, the improvement which consists in a holder having an outer sleeve member rotatably positioned in the other clamp, said sleeve member having a bore eccentric to its axis of rotation, and a socket member positioned in the bore and engaging the opposite end of the file, said sleeve member having means for rotating it in the clamp.

2,587,103
PATH-SELECTION CONTROL ARRANGEMENT FOR PRIMARY - SECONDARY SWITCHING SYSTEMS
Richard P. Boyer, Jr., La Grange, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application November 26, 1949, Serial No. 129,617
9 Claims. (Cl. 179—22)



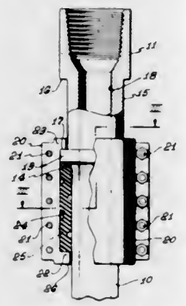
1. In a switching system, means including block links and respectively corresponding terminating trunks and line links serially related therewith for extending connections to desired called lines, switching apparatus for extending connections to said block links respectively, for interconnecting them with the terminating trunks, and for interconnecting the line links with the terminating trunks and with the called lines, means effective when any said line is called for extending a temporary test connection thereto over a circuit path excluding said trunks, links, and switching apparatus, means effective coincidentally with the said extension of the temporary test connection for matching a path to the called line over an idle terminating trunk and an idle corresponding line link, and means effective following said matching and controlled over said temporary test connection for operating said switching apparatus to extend a connection to the called line over the matched path subject to the called line being idle.

2,587,104
APPARATUS OF THE GYROPLANE TYPE
Louis Bréguet, Paris, France
Application August 13, 1946, Serial No. 690,321
In France September 30, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 30, 1961
4 Claims. (Cl. 170—135.24)



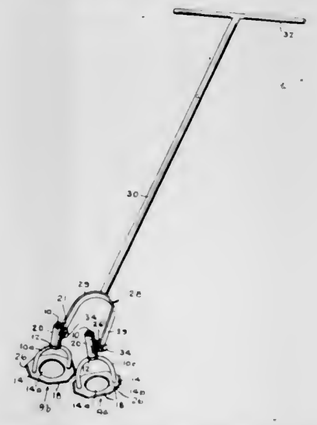
1. In a gyroplane or the like flying machine of the kind having two rotors rotating coaxially in opposite directions and carried by a non-rotating column, the blades of said rotor being allowed of taking variable incidences and of affecting at the utmost limited flapping displacements, the combination of two primary toggle plates non-rotatably supported from said column, two ring members rotatably mounted around said toggle plates respectively, two sets of connecting rods, the rods of one set being connected each to a blade of one of the rotors and to one of said ring members whereas the rods of the other set are connected each to a blade of the other rotor and to the other of said ring members, a balancing third toggle plate non-rotatably supported from said column and differential means supported by said third toggle plate and connecting together said primary plates.

2,587,105
SHOCK-ABSORBER FOR ROTARY DRILLING KELLYS
Blasito Bronzan, Los Angeles, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California
Application March 1, 1949, Serial No. 78,899
12 Claims. (Cl. 255—28)



1. Means for protecting a kelly provided with a drive portion of polygonal section, an enlarged connection end, a stop shoulder adjacent the end of the drive portion, and a circumferential recess between said shoulder and enlarged connection end, comprising: a housing adapted to extend from a zone in the circumferential recess to a zone in the drive portion of said kelly, said housing being slidably movable longitudinally of the kelly in the region of the stop shoulder; bottom means carried by the lower portion of the housing and adapted to slidably encircle the drive portion of the kelly; means carried by the upper portion of the housing extending into and arranged to encircle the circumferential recess of the kelly; and elastic, resilient, compressible means carried within the housing, and adapted to extend between a stop shoulder of the kelly and the bottom means of the housing.

2,587,106
ROTARY CULTIVATOR
Harrison Brown, Fargo, N. Dak.
Application November 22, 1948, Serial No. 61,383
5 Claims. (Cl. 97—58)

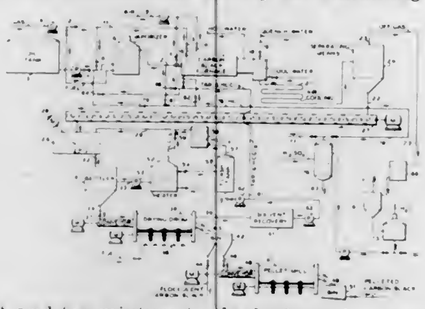


1. A rotary cultivator, comprising a cultivator head plate formed with a central opening and having an outer edge falling substantially within a circle and of a dimension to provide an annular cultivating face about the central opening, a propelling member having a part forming a connection with the cultivator head plate, said connection including a pin secured to the cutter head and a sleeve fast on the connection within which the pin is adapted to rotate the pin within the sleeve connection being inclined from vertical so the cultivator head plate is held at an angle of less than 90 degrees to the surface of the ground, whereby movement of the cultivator over and in contact with the ground will cause the cultivator head plate to be rotated and the ground to be cultivated.

2,587,107
PROCESS FOR PRODUCING CARBON BLACK
George N. Cade, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 5, 1949, Serial No. 131,129
15 Claims. (Cl. 23—209.4)

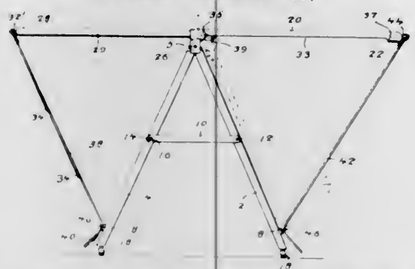
1. In a continuous furnace carbon black producing process comprising the continuous steps of passing a hydrocarbon in a gaseous state into a carbon black furnace, heating said hydrocarbon in said furnace, converting a portion of said hydrocarbon to carbon black by a pyrochemical cracking operation in a first zone in said furnace, cooling the effluent resulting carbon black con-

taining gases, and separating said carbon black from said gases, the improvement comprising continuously operating said furnace to produce a carbon black in said first zone containing tar, extracting the tar from said carbon black with a liquid solvent comprising essentially a chlorinated hydrocarbon having from 1 to 3 carbon atoms and n chlorine atoms in each molecule, where n is a number from 1 to a number equal to 2 plus twice the number of carbon atoms in each molecule, separating the major portion of said solvent from said extracted tar and recycling said major portion of said solvent to the extracting step, continuously adding the remaining sol-



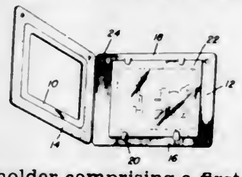
vent and tar mixture to the hydrocarbon passing into said furnace, continuously forming hydrogen chloride by pyrochemical action in said first zone in said furnace in and by said same cracking operation that forms said carbon black, recovering said hydrogen chloride and said carbon black from said effluent gases containing both hydrogen chloride and carbon black, continuously recycling a portion of said hydrogen chloride to said furnace, drying said carbon black, recovering the chlorinated solvent from said drying step and continuously adding the recovered chlorinated solvent to said hydrocarbon passing into said furnace.

2,587,108
MATTRESS CARRIER SUNNER
James V. Card, La Grange, Tex.
Application November 6, 1947, Serial No. 784,488
1 Claim. (Cl. 211—28)



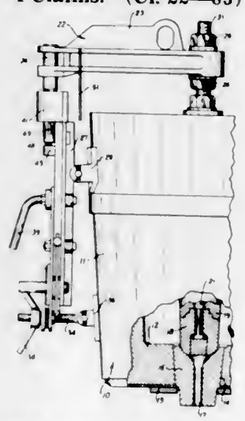
A mattress carrier including a collapsible supporting frame comprising legs pivotally secured together at one of their ends and provided with rollers at their opposite ends, a tubular U-shaped carrying frame having a base portion and upright portion perpendicular to each end of the base portion, said U-shaped frame being pivotally connected to the pivoted ends of said legs at the ends of said upright portions, a plurality of intermediate tubular supports connected at one of their ends to the base portion and extending therefrom in parallel spaced relation to said upright portions, a reversely positioned rodlike U-shaped extensible section having a base member, upright members and relatively spaced intermediate members that are slidably arranged in similar portions of the carrying frame, a cross bar connected to the ends of the members of the extensible section, stops at the outer ends of the portions of the carrying frame adapted to engage said cross bar to limit the outward movement of said extensible section and the underside of the portions of the carrying frame being undercut to permit coaction of the cross bar with the stops, flexible means on the carrying frame and extensible section adapted to alternately secure the mattress on the carrying frame and extensible section for securing the carrying frame and extensible section with relation to the supporting frame and spring clips on the supporting frame for securing said flexible means.

2,587,109
FILM HOLDER
William J. Carroll, Los Angeles, Calif.
Application July 14, 1947, Serial No. 760,717
3 Claims. (Cl. 40—159)



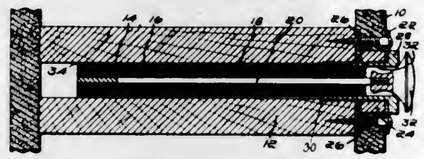
1. A film holder comprising a first substantially rectangular frame, a second substantially rectangular frame hinged at one transverse edge to one transverse edge of said first frame, said frames having opposed substantially rectangular openings, holding tabs struck from said second frame adjacent the longitudinal edges thereof and disposed between the longitudinal edges of said second frame and the opening therein, means for securing said frames to each other in juxtaposition, and means for aligning and retaining the peripheral edges of said frames flush as the frames are secured together, said last mentioned means including a plurality of apertures in said first frame, said second frame having a plurality of apertures in registry with the openings in said first frame.

2,587,110
BOTTOM TAP LADLE MECHANISM
Edwin William Carter, San Leandro, Calif.
Application November 23, 1949, Serial No. 129,077
4 Claims. (Cl. 22—85)



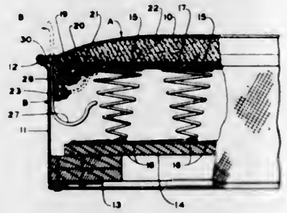
2. In a bottom tap ladle for molten metal and the like of the type having an upright plug in the ladle and an upright reciprocating member on the outside of the ladle, the combination therewith of a gooseneck having a lateral leg for attachment to the plug and an integral upright leg, said upright leg defining a frusto-conical bearing surface, concentric with the axes of the upright leg, the face of said conical bearing surface defining an angle of not less than 10° nor more than 80° with said axes and a cylindrical bearing surface also concentric with said axes spaced from the conical bearing surface, the reciprocating member having spaced complementary bearing surfaces formed thereon for engagement with said conical and cylindrical bearing surfaces on the upright leg.

2,587,111
TELESCOPIC HANGER
Ralph W. Cashen, Jr., East Harwich, Mass.
Application June 7, 1949, Serial No. 97,505
2 Claims. (Cl. 211—123)



1. In combination with a wall frame-work of the class which includes spaced-apart vertical studs and a layer of rigid covering material supported on the studs, a telescopic wall hanger comprising a wall plate having a tubular portion extending from one side thereof and projecting into the rigid covering material, a bushing removably secured in the tubular portion and presenting an outer flanged extremity, a plurality of hanger sections slidable one within another received in the bushing, stop means located on an inner end of the outer section in a position to engage with the inner edge of the bushing, and the inner end of the bushing extending into engagement with a vertical stud of the wall frame-work and cooperating with the said wall plate to distribute pressure exerted on the hanger along the outer surface of the rigid covering material.

2,587,112
BOX SPRING HANDLE
William F. Caster, West St. Paul, Minn.
Application March 12, 1948, Serial No. 14,519
7 Claims. (Cl. 5—345)



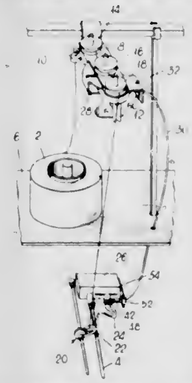
1. A box spring handle for use in conjunction with a box spring having a substantially rectangular frame and a spring structure enclosed thereby, and a covering extending over the top and side wall thereof, the handle comprising a shank designed to overlie a portion of the covering, and a pair of hook ends on the shank, said hook ends being normally spaced from, and engageable with, the spring frame.

2,587,113
PROCESS FOR REDUCING METAL OXIDES
Patrick E. Cavanagh, Toronto, Ontario, Canada, assignor to Ontario Research Foundation, Toronto, Ontario, Canada, a corporation of Ontario
Application June 20, 1950, Serial No. 169,275
5 Claims. (Cl. 75—33)



1. The process of reducing metal oxides in a sagger or like receptacle, which consists in distributing the oxide annularly within the sagger forming a tubular column of oxide in contact with the inner walls of the sagger, filling the inner opening of the tubular column of oxide with the reducing agent and heating said sagger to a temperature to effect reducing of the metal oxide.

2,587,114
CONTROL DEVICE
Marion P. Chapman, Drayton, S. C.
Application December 16, 1948, Serial No. 65,635
12 Claims. (Cl. 242—27)

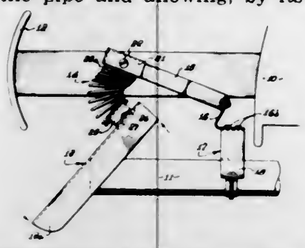


1. The combination with a quill winding machine having bunch builder mechanism including a part which has a normally inactive position and a second position which it assumes only during bunch wind and equipped with at least two disk type pretensioning devices, of a movable member adapted in one position to separate the disks of at least one of said devices, and means coupling said member and said part of the bunch builder mechanism for movement of said member into and out of disk separating position with movement of said part into and out of said second position.

2,587,115
EXHAUST PIPE EXTENSION OF DEFLECTOR FORM
Carroll W. Chester, Los Angeles, Calif.
Application April 11, 1949, Serial No. 86,772
11 Claims. (Cl. 138—46.5)

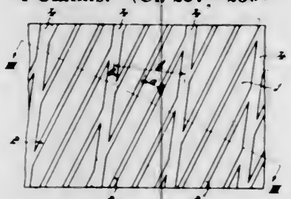
1. An extension for the rear end of a tail pipe of an automobile structure, said extension comprising a generally flat pan adapted normally to lie in a position projecting rearwardly of the rear end of the tail pipe and with its forward end overlying the rear end portion of the pipe, a resiliently distortible element connected to the

forward end portion of the pan and normally resiliently pressing the forward end of the pan down on the pipe and allowing, by its resilient



distortability, universal rotative and translational movements of the pan in its normal plane, and means for attaching the resiliently distortible element to the automobile structure.

2,587,116
HEAT EXCHANGING DEVICE
Pieter Hajo Clay, deceased, late of Eindhoven, Netherlands, by Joris Daniel Heijligers, administrator, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application August 7, 1946, Serial No. 688,983
In the Netherlands August 29, 1945
4 Claims. (Cl. 257—256)



3. A heat exchanging device for use with a fluid medium comprising a pair of plate elements having surfaces opposed to each other and defining slit-shaped channel therebetween through which a fluid may flow, substantially equidistant parallel grooves in each of said surfaces, said parallel grooves in one of said surfaces being at an angle to the main direction of the flow of said fluid, said parallel grooves in said other surface also being at an angle to the main direction of the flow of said fluid but in the opposite direction, the said angles being at least 15° but no more than 75°, said surfaces of said plates being spaced apart by a distance which is at least 1/5 of the depth of said grooves but not more than 10 times the depth of said grooves, additional parallel grooves in said surfaces, said additional grooves having an angle with the main direction of fluid flow which is less than said first mentioned angle and having a pitch at least 3 times that of said first mentioned grooves, and having a sectional area at least 1½ times as large as the sectional area of said first mentioned grooves, said additional grooves on said opposed surfaces being opposite each substantially throughout the lengths of said additional grooves.

2,587,117
ELASTIC YARN AND METHOD OF MAKING
Philip Ernest Frank Clay, Radcliffe-on-Trent, England
Application October 11, 1949, Serial No. 120,684
In Great Britain November 11, 1948
11 Claims. (Cl. 57—163)

1. The method of making elastic yarn comprising stretching an elastic thread to a predetermined extent, applying at least one close-pitched helical wrapping of thread to said stretched elastic thread to retain it in a stretched condition and thereby produce a basic thread, and associating externally with the basic thread

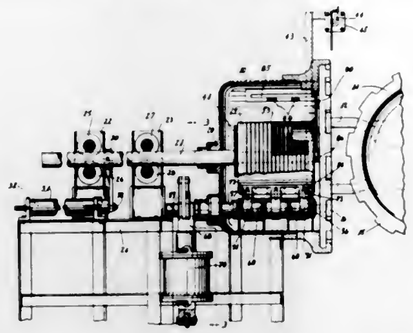


thereby produced an inextensible thread to inhibit further stretch, said inextensible thread being removable or destructible by means harmless to the thread of said close-pitched helical wrapping.

2,587,118
POSITION FOLLOWING CONTROL
William E. Coleman, Pittsburgh, Pa., assignor to United States Steel Corporation, a corporation of New Jersey
Application December 29, 1950, Serial No. 203,435
10 Claims. (Cl. 322—27)

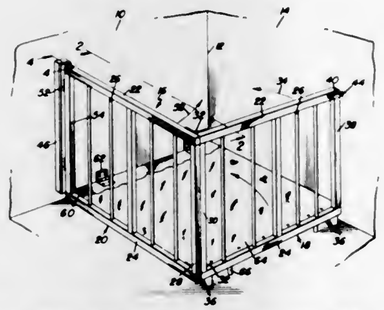
1. Apparatus for controlling the current supplied to a load comprising means for obtaining an angular displacement proportional to the current supplied to the load, two selsyn motors, each having a stator and rotor, an electrical connection between the two stators, a mechanical connection between the first of said rotors and said means, means for changing the position of the second rotor, an A. C. power source, means connecting said A. C. power source to said first rotor, an exciter for regulating the current supplied to the load, said exciter having a field winding, a vacuum tube having a plate, grid and cathode, two wires connected to said second rotor, a connection between one of said wires and the grid of said tube, a connection between the other of said wires and the cathode of said tube, a connection between said A. C. power source and said last named connection, a connection between said A. C. power source and one side of said field, and a connection between the other side of said field and the plate of said tube.

2,587,119
APPARATUS FOR VULCANIZING ANNULAR ARTICLES
Edward A. Davis and Robert R. Ambler, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 6, 1946, Serial No. 688,600
15 Claims. (Cl. 18—6)



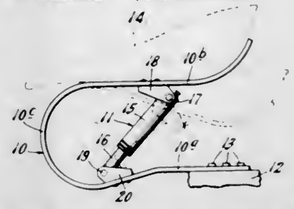
9. Apparatus for simultaneously vulcanizing a group of endless V-belts having tension-resisting reinforcements therein, said apparatus comprising a collapsible drum having peripheral grooves for individually receiving belts of the group, an open steam vulcanizer for closely confining the drum, power operated means on said vulcanizer for moving the drum axially into and out of the vulcanizer, a contractible band for pressing the belts into the grooves of said drum, said band being mounted within said vulcanizer, power-operated means on said vulcanizer for collapsing and expanding said drum, and power operated means on said vulcanizer for expanding and contracting said band about said drum.

2,587,120
BABY'S PLAY PEN
Robert H. Dawson, Longview, Wash.
Application March 15, 1950, Serial No. 149,661
6 Claims. (Cl. 5—99)



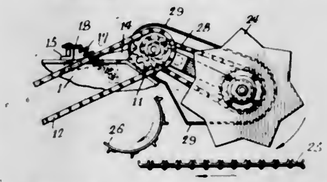
1. In combination with a corner wall construction a foldable play pen comprising a pair of rectangular side members hinged together along a pair of corresponding vertical edges to form an inwardly foldable L-shaped frame, means for hingedly and removably securing the free vertical edge of one of said side members to one wall, and means for removably securing the free vertical edge of the other of said side members to the other wall whereby said L-shaped frame forms a rectangular play pen with said corner wall construction.

2,587,121
HYDRAULICALLY REINFORCED SPRING SEAT SUPPORT
Clinton E. Deardorff, San Fernando, and William E. Elder, Sherman Oaks, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 4, 1948, Serial No. 52,706
6 Claims. (Cl. 155—51)



1. A resilient seat support comprising: an elongated approximately U-shaped leaf spring element the arms of which extend approximately horizontally one above the other, the lower arm being adapted to be anchored adjacent its end to the device on which the seat is to be used, and the upper arm being adapted to have a seat secured thereto adjacent its end; a hydraulic cylinder containing a piston having a piston rod extending from one end of the cylinder, said cylinder containing fluid, and fluid-flow restricting means for impeding movement of said piston rod into said cylinder to a greater extent than out of said cylinder; and means for pivotally connecting the cylinder to one arm of said spring element and pivotally connecting the piston rod to the other.

2,587,122
FEEDING DEVICE FOR ENSILAGE CUTTERS
Amedee Dion, Ste.-Therese de Blainville, Quebec, Canada, assignor to Dion Freres Inc., Ste.-Therese de Blainville, Quebec, Canada
Application September 20, 1948, Serial No. 50,116
4 Claims. (Cl. 198—167)

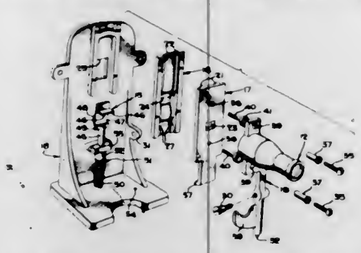


1. In a feeding device, a fixed frame, a pair of alined bearings carried thereby, shafts in said bearings, bearing arms fixed to said shafts, a feeder shaft journalled in said arms, feeder wheels carried by the last named shaft, a conveyor beneath said wheels, means on one of the first named shafts for driving the feeder shaft, and an arm extending from the other first named shaft and engaging upwardly against a portion of said frame.

2,587,123
FILM ADVANCING MECHANISM IN SLIDE FILM PROJECTORS
Carroll H. Dunning and Carroll Dodge Dunning, Los Angeles, Calif., assignors to Dunning Color Corporation, Los Angeles, Calif., a corporation of California
Application June 29, 1948, Serial No. 35,864
2 Claims. (Cl. 88—28)

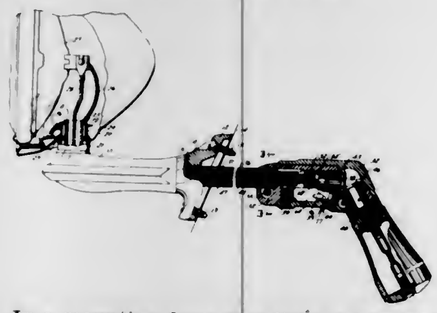
2. In photographic apparatus of the class described, film advancing mechanism comprising:

gate means including opposed rails to slidably position a motion picture film in a path adjacent an optical aperture; index means fixed in said path adapted upon retrograde motion of said film to engage and hold the same in an indexed position with an image area thereon framed in said aperture; a fixed film guiding member adjacent an end of said path and spaced from said rails to hold said film in a free span unsupported across the entire width of said film whereby to permit the same to bow out of its normal path in said span; and reciprocating film advancing means having a stroke greater than the longitudinal separation of frames in said film, and having a perforation-engaging claw with forward and rear-



ward surfaces relatively highly inclined to said film, said claw being connected to said reciprocating means by a resiliently yieldable member substantially parallel to said film whereby upon a forward stroke of said reciprocating means, said claw enters one of said perforations and advances said film to a point beyond said framing position, and upon a rearward stroke of said reciprocating means said claw remains in said perforation and moves said film in retrograde direction until said film engages said index member and thereafter said yieldable member bends to decrease the inclination of said rearward surface with respect to said film to permit said claw to disengage said perforation.

2,587,124
CIRCUIT CONTROLLING MECHANISM FOR ROTATABLY ADJUSTABLE SPOTLIGHTS
Paul F. Early, Dayton, Ohio, assignor to Standard-Thomson Corporation, Dayton, Ohio, a corporation of Delaware
Application May 26, 1948, Serial No. 29,292
3 Claims. (Cl. 240—61.13)



1. In a mounting for a spot light, a lamp supporting structure, a handle connected with and extending rearwardly from said structure, having therein a cavity and having a rotatable part, a tubular lamp adjusting shaft rotatable in said structure and extending through said cavity, a contact member secured to and extending circumferentially about an intermediate portion of said shaft in said cavity and insulated from said shaft, a conductor connected with said contact member and extending through said tubular shaft to connect said contact member with a lamp supported on said structure, a gear rotatably supported in said handle and drivingly connected with said shaft in the rear of said contact member, a second gear in said handle meshing with the first mentioned gear and drivingly connected with said rotatable part of said handle, and a switch mounted in said cavity having a part to yieldably engage said contact member and having means operable from the exterior of said handle to connect said part of said switch with and disconnect the same from a source of electric current.

2,587,125
ORGANIC FERTILIZER
Mary Aloyse Ellingson, Kansas City, Mo.
No Drawing. Application December 22, 1947, Serial No. 793,333
9 Claims. (Cl. 71—2.5)

1. A plant stimulant produced by the slow decomposition of bone by yeast in the presence of water and a small amount of a water-soluble acid in amount sufficient to maintain the mixture at an acid pH.

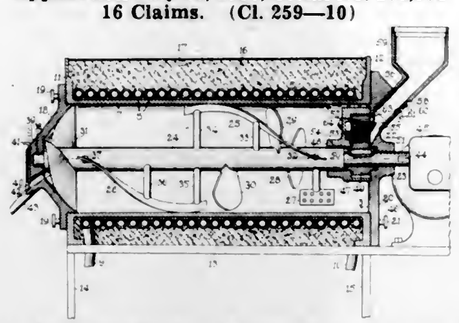
2,587,126
SUSPENDER BELT
Rudolph E. Ellington, White Plains, N. Y., assignor to The Strouse-Baer Company, Baltimore, Md.
Application June 2, 1950, Serial No. 165,707
1 Claim. (Cl. 2—301)



In a combined belt and suspender, a strap, fastening means at each end of said strap for securing the same to a pair of trousers when used as a suspender, a connecting member consisting of a pair of parallel bars, end bars connecting said parallel bars and an intermediate bar between said parallel bars, said strap being passed on one side of said parallel bars and the other side of said intermediate bar whereby said connecting member is slidable on said strap, second fastening means on one end of said strap complementary to said first mentioned fastening means on said one end, and coacting therewith when an end of said strap is looped about said intermediate bar to secure said connecting member at said one end of said strap whereby the other end of said strap may be passed under said parallel bars and over said intermediate bar to secure the ends of said strap to form a belt, said connecting member being adapted upon release of said co-

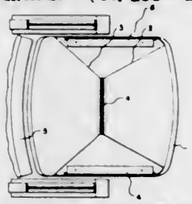
acting fastening members to slide to an intermediate point of said strap for the reception of a second crossing strap to form a suspender.

2,587,127
FROZEN CONFECTION APPARATUS
Charles Erickson and Erick Spellman, New York, N. Y.
Application July 20, 1950, Serial No. 174,974
16 Claims. (Cl. 259—10)



1. A positive feed confection freezing apparatus, including a freezing cylinder, a confection dispensing end upon the cylinder, a fluid mix funnel or hopper directly mounted upon and secured to another portion of the cylinder and communicating with the interior thereof, a scraper shaft rotatably mounted in said cylinder, and a pump secured to the apparatus and driven by said scraper shaft and effective to deliver the fluid mix from said funnel or hopper under pressure to the interior of said cylinder.

2,587,128
REMOVABLE SEAT COVER
Fred Eull, San Diego, Calif.
Application October 12, 1948, Serial No. 54,123
2 Claims. (Cl. 155—182)



1. In a seat cushion cover, a flexible box shaped cover member having enclosed corners, a pair of flaps of similar flexible material secured at opposed edges at the normally open side of said box shaped flexible cover and means for connecting said flaps at their opposite ends substantially at the middle of said box shaped cover member, said flaps converging from the edges of said cover member to the connection of each with the other, said flaps connected by a continuous laterally extending elongated interlocking mechanism.

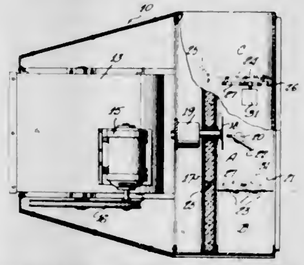
2,587,129
ANIMAL MOUTH OPENER
Frederick C. Fehrman, Washington, D. C.
Application March 1, 1951, Serial No. 213,325
6 Claims. (Cl. 128—19)

5. A device for holding open an animal's mouth comprising upper and lower jaws having bit parts insertable into the mouth of the animal, spring means connecting the upper and lower jaws and urging them apart to force open the animal's mouth, and a pair of laterally oppositely disposed hook elements carried by the device and movable transversely of the upper



and lower jaws for a substantial distance, the hook elements being adapted to engage the jowls of the animal for spreading them apart while the device holds open the animal's mouth.

2,587,130
ZONED EVAPORATOR MAT FOR AIR COOLERS
Archie S. Feinberg, Dallas, Tex.
Application November 5, 1947, Serial No. 784,181
4 Claims. (Cl. 261—28)

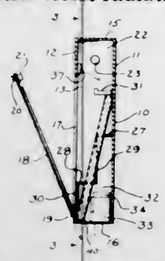


1. An evaporative cooling apparatus including a cabinet having an open rear, a blower in said cabinet provided with an air inlet and an air discharge opening at the front of said cabinet, a filter mat divided into a plurality of independent sections through which air is drawn by said blower, a water spraying device adapted to saturate the entire area of said filter mat, a plurality of groups of vertically disposed baffles in the rear of said cabinet for isolating preselected areas of said mat into separate zones, said groups of baffles each comprising a series of plates pivoted for common movement to a position to shield a preselected area of said mat against saturation by said spraying device, and thermostatically actuated means for moving the plates of said groups of baffles to expose said zones to the saturating action of said spray in accordance with variations in atmospheric temperature.

2,587,131
GERMICIDAL CABINET
Edward Harry Ficken, West New York, N. J.
Application March 7, 1950, Serial No. 148,223
5 Claims. (Cl. 250—52)

1. A germicidal cabinet comprising a housing having an opening in a side wall thereof, a door for closing said opening, a source of ultra-violet radiation in a portion of said housing removed from said opening, a rack comprising a single sheet of corrugated material, the corrugations being large enough to form separating grooves for toothbrushes and said sheet being positioned so that its bottom edge is near one wall of said cabinet and its top edge is near the opposite wall, whereby toothbrushes may stand up in the grooves

with the bristles uppermost and directly under the source of ultra-violet radiation, and electrical



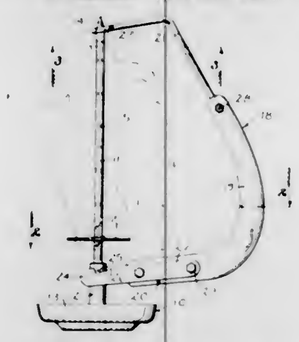
connections from said source connectable to a source of power supply.

2,587,132.
TOOL FOR CUTTING ABRASIVE WHEELS AND OTHER MATERIALS
Daniel L. Finke, Brooklyn, N. Y.
Application January 29, 1946, Serial No. 644,025
4 Claims. (Cl. 125—39)



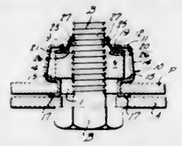
1. A tool for dressing abrasive wheels comprising a holder, a head mounted on said holder and recessively movable within said holder, a diamond point permanently mounted in said head, resilient means urging said point constantly in the direction it points, and means engaging with said holder to adjust the direction of said point without moving said holder, said holder having a slot in the central portion thereof and being made of springy metal, and said means for adjusting the direction of the diamond point comprising a screw bolt having a tapered end to widen said slot and thereby to vary the angular relation of the parts of the holder to each other.

2,587,133
SPIT-HANDLING DEVICE
Tomun Finizie, Bridgeport, Conn.
Application November 19, 1948, Serial No. 61,090
2 Claims. (Cl. 99—419)



1. In combination with a spit unit comprising an upwardly directed spit carrying at its lower part an underlying pan, the spit being adapted to support a food article above the pan, a lifting and carrying device having manually detachable connections with the spit unit at points above and below the food article on the spit, the upper connection being adjacent the upper end of the spit and the lower connection somewhat above the pan, and means engaged with the spit for preventing the food article from moving down into engagement with said device, said device being constituted by a yoke which straddles the food article.

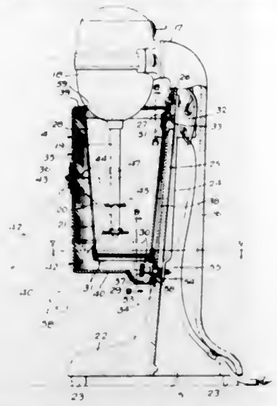
2,587,134
COMBINED NUT RETAINER AND THREAD LOCK
Laurence H. Flora, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 15, 1950, Serial No. 144,216
1 Claim. (Cl. 151—41.75)



A fastening unit comprising a nut and sheet metal holder for retaining said nut in adjustable position over a recess in a supporting part, said holder comprising a piece of sheet metal bent to provide a body portion overlying said nut and having an enlarged opening therein larger than the thread opening in said nut and means integral with said body portion loosely retaining said nut in said holder, said holder being provided with means for attaching the fastening unit to said supporting part, a separate sheet metal locking plate positioned between said body portion of the holder and the adjacent surface of the nut and being of such size as to be loosely retained in laterally adjustable relation in said holder, said locking plate being provided with a preformed substantially tubular projection projecting outwardly out of the plane thereof and having a bolt passage therein, said substantially tubular projection on the locking plate projecting through said enlarged opening in the body portion of the holder to retain said locking plate in assembled relation with said nut and holder, said substantially tubular projection on the locking plate being movable within said enlarged opening in the body portion of the holder to permit alignment of the bolt passage therein with the thread opening in the nut in any adjusted position of said nut, said substantially tubular projection on the locking plate defining means for engaging a bolt passing through the nut to lock the bolt in its applied fastening position.

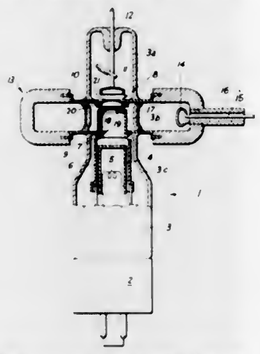
2,587,135
PROTECTOR ATTACHMENT FOR SODA FOUNTAIN MIXERS
William T. Gafford, Flint, Mich.
Application December 21, 1950, Serial No. 201,910
8 Claims. (Cl. 259—135)

1. In combination with a soda fountain mixer including a vertical standard, a motor supported by and forwardly of said standard, an agitator driven by and extending downwardly from said motor in front of said standard, and a mixing cup supporting element detachably fixed on said standard; a protector casing comprising a stationary section, and a movable section adapted to be united with said stationary section to enclose said agitator, said stationary section having an opening therein into which a portion of the motor engages, said stationary section being at-



tached to said standard by said detachable cup-supporting element and held relative to the agitator by said motor engagement.

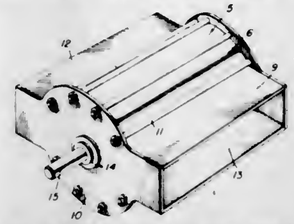
2,587,136
REFLEX KLYSTRON ELECTRON-DISCHARGE DEVICE
Bernard C. Gardner, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application September 13, 1946, Serial No. 696,796
8 Claims. (Cl. 315—5)



1. In an electron-discharge device: a dielectric envelope; an electron gun, a pair of grids, and a repeller electrode enclosed in said envelope; said grids being sealed through the walls of said envelope and having an inherent capacitance therebetween; a resonant circuit the terminals of which are connected, respectively, to said grids; said resonant circuit including said capacitance; and a metallic member externally mounted on said envelope between the lead-in portions of said grids, for modifying the value of said capacitance.

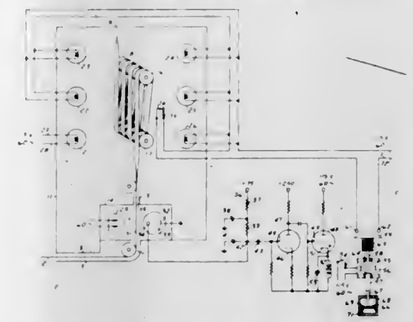
2,587,137
ROTARY DELIVERY DAMPER FOR GRAIN CLEANING CHAMBERS
John E. Giles, Lockport, Ill.
Application October 20, 1949, Serial No. 122,406
1 Claim. (Cl. 222—368)

A rotary delivery damper for grain cleaning chambers comprising a housing having a grain receiving port at one side and a grain delivery port at its opposite side of the same size as said receiving port, and a rotor in the housing feeding grain from the receiving to the delivery port, said rotor comprising a shaft journaled in the housing and having a polygonal section with opposite flat sides in said housing, and a plurality of U-shaped fins having flat bases detachably



connected to the flat sides of the shaft in opposite pairs and having a close tolerance with the housing to simultaneously discharge the grain in one direction and force air through the housing into the cleaning chamber in an opposite direction, said fins being spaced apart circumferentially of said housing and of substantially the same maximum width as said ports.

2,587,138
FILM PROCESSOR DRYING CONTROL
John W. Gillon, Hartsdale, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application January 4, 1951, Serial No. 204,361
8 Claims. (Cl. 34—48)



1. In a motion picture film processor, an apparatus for drying a moist developed motion picture strip comprising, a drying chamber, means contained therein for supporting said motion picture strip as it is passed therethrough, a source of continuously energized heat radiation in said drying chamber positioned to direct heat rays on said film strip, means associated with said film strip for ascertaining the density thereof, an auxiliary source of heat radiation in said drying chamber, a circuit for energizing said auxiliary source, switch means in said circuit controlled by said means for ascertaining the density of said film strip, and means associated with said switch means for maintaining said switch means closed for a predetermined time after actuation thereof.

2,587,139
ROLLER REMOVING TOOL
Abram Glover, Rifle, Colo.
Application January 26, 1949, Serial No. 72,930
2 Claims. (Cl. 29—253)

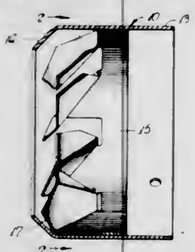
2. A balance wheel roller removing tool comprising a head, a pair of levers connected to and

projecting from said head in the same direction, one of said levers being rigidly secured to the head and the other of said levers being pivotally connected thereto for swinging movement toward and away from the rigid lever in a plane corresponding to the planes of the levers, said levers having outer longitudinal edges of uniform thickness from end-to-end thereof, the portions of



said levers adjacent the head being beveled on corresponding sides thereof from their outer to their inner longitudinal edges to provide complementary thin inner, adjacent edges near the head, and the slope of said beveled sides diminishing from the head toward the free ends of the levers whereby the thickness of the inner edges of said levers is increased in a direction away from the head.

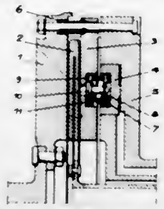
2,587,140
DIFFUSER HEAD FOR FLUID FUEL BURNERS
Alexis S. Gorshkoff, Oxford, Conn., assignor to Steel Products, Incorporated, West Haven, Conn., a corporation of Connecticut
Application August 28, 1948, Serial No. 46,565
1 Claim. (Cl. 158—1.5)



In a diffuser head, a generally cylindrical shell having a forward end of generally frusto-conical form and inclined inwardly toward the axis of the shell, a fin strip in generally circular form fitting flatwise against and within said shell and adjacent the forward end thereof, said fin strip having fins extending generally radially inwardly and inclined so as to direct an outer annular stream of air in generally spiral fashion and said fins having integral end fins at the inner ends of said first fins and directed so as to collectively form a frusto-conical surface to direct an inner stream of air in generally conical fashion inwardly toward the axis of the shell.

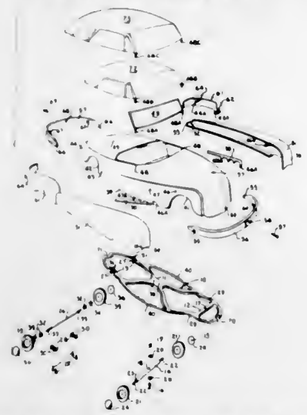
2,587,141
CUSHIONING DEVICE FOR HYDRAULIC CLUTCHES
Henri Grandgirard, Puteaux, France, assignor to Société des Brevets Kegresse, S. E. K., Paris, France, a corporation of France
Application January 26, 1946, Serial No. 643,806
In France December 22, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 22, 1963
1 Claim. (Cl. 192—85)

In a hydraulically controlled clutch comprising a driving member controlled by an annular piston rotatable therewith and displaceable by fluid pressure, the fluid acting in an annular pressure chamber accommodating the piston, a plurality of resilient members interposed between the driving member and piston, each resilient member comprising a pair of cups, a coil spring compressed between said cups, and a stem coaxially arranged with respect to said cups and spring and fixed to one of said cups,



said other cup being slidable on said stem, said stem being provided with an abutment arresting said slidable cup at a predetermined extension value of said spring, said annular piston having transverse extensions directed toward the driving member and coming into direct contact therewith when the springs are completely compressed.

2,587,142
MODEL AUTOMOBILE ASSEMBLY KIT
Benjamin A. Gray and Joseph D. Sabo, Detroit, Mich., assignors to Toy Founders, Inc., Detroit, Mich., a corporation of Michigan
Application March 28, 1947, Serial No. 737,840
5 Claims. (Cl. 46—17)

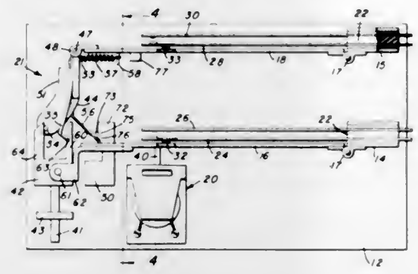


4. A toy automobile assembly kit including a chassis, a basic body structure mounted on said chassis, rear and front fenders detachably mounted on said body structure, rear and front bumpers detachably mounted on said basic body structure, and means to prevent lateral displacement of said rear fenders and said front fenders and including lateral wings provided by said rear and front bumpers, respectively, and curved around portions of said rear and front fenders, respectively.

2,587,143
MULTIPLE SWITCH UNIT WITH INTERDEPENDENT SWITCHING MECHANISMS OPERATING AT DIFFERENT RATES
Orion S. Greeson, Elizabeth, N. J.
Application July 29, 1949, Serial No. 107,598
9 Claims. (Cl. 200—5)

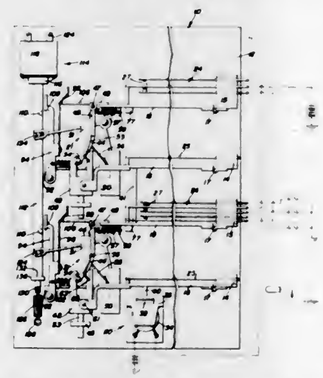
1. A multiple switch with a plurality of interconnected switch units comprising a primary

driving switch and a secondary driven switch, a movable switch operating member for each of the switches adapted to be moved from an initial position into an operative position, switch contacts operated by said movable members upon a change of position, means for operating the movable operating member of the primary switch, a driving head carried by the movable member of the primary switch, said driving head being provided with a guiding, lock actuating and coupling means, a stationary locking member, a further locking member connected with the movable member of the secondary switch adapted to engage the stationary locking member, a drive member connected with the movable member of the



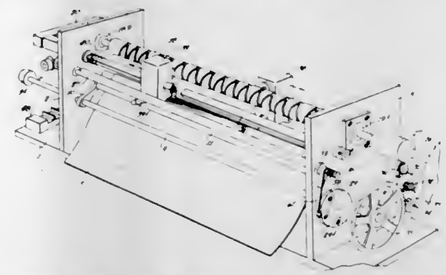
secondary switch engaged by the coupling means of the driving head for the transmission of motion from the latter to the movable operating member of the secondary switch, so as to bring the last named movable member into its operative position, said movable secondary switch operating member when brought into operative position being locked by the interengagement of the stationary locking member and the cooperating locking member on the movable secondary switch operating member, and means controlled by the guiding means of the driving head for releasing said interlocked members upon a further operation of the movable primary switch operating member carrying the driving head.

2,587,144
SEQUENTIAL SWITCH RELEASE MECHANISM
Orion S. Greeson, Elizabeth, N. J.
Application February 14, 1950, Serial No. 144,079
7 Claims. (Cl. 200—5)



2. A multiple switch arrangement comprising a base having a primary switch and a secondary switch mounted thereon, a movable switch actuating member for each of said switches, switch contacts operated by said movable members, means for operating the movable member of each of said switches, a driving head on the operating means of the primary switch, said driving head being provided with guiding means, latch release means and coupling means, stationary locking members carried by said base in juxtaposition to said driving head, a coupling and latching driven member connected with the movable member of each of said switches, adapted to engage the stationary locking members, the driven member connected with the movable member of the primary switch engageable with the operating means of the secondary switch to transmit motion thereto whereby a first operation of the primary switch operating means moves both movable switch actuating members to a locked position, said driving head returning to its initial position and one of the said coupling and latching driven members being disengaged from said driving head upon termination of said first operation, said driving head being actuatable upon a second operation of the primary switch operating means for movement into engagement with said one of the coupling and latching driven members for effecting movement thereof from latching engagement with said stationary locking members, and release means for selectively effecting release of said movable switch members of said primary and secondary switches prior to the completion of the operating cycle of the driving head.

2,587,145
CONTINUOUS FACSIMILE SCANNER
Boris F. Grib, Brooklyn, N. Y.
Application November 28, 1947, Serial No. 788,365
6 Claims. (Cl. 346—113)

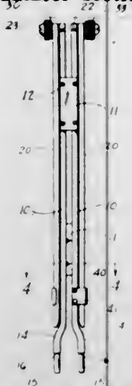


1. In a facsimile apparatus a pair of scanning heads, a pair of fixed parallel rods on which said heads may slide, a power driven double threaded screw rotatably mounted in parallel relation to said rods, said threads being right and left handed, means for connecting said heads with the threads of said screw to cause said heads to move simultaneously in opposite directions on said rods, a circuit for said heads, and means operating in timed relation to said screw to alternately connect said heads to said circuit, each at the beginning of travel from one end of said screw.

2,587,146
ANTENNA
Irving A. Gross, Cleveland, Ohio, assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 15, 1948, Serial No. 54,630
3 Claims. (Cl. 250—33)

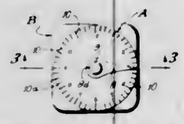
1. An antenna comprising a pair of rods, means for holding said rods in spaced parallel relation to each other to form a transmission line of determined impedance, each of said transmission

lines having hingedly secured thereto a radiator section, said radiator sections forming a dipole



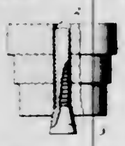
radiator, and spring means for locking said radiator sections in predetermined positions.

2,587,147
DOSE TIME INDICATOR
Henry A. Gulon and Evelyn Arnold, Los Angeles, Calif.
Application May 8, 1950, Serial No. 160,642
8 Claims. (Cl. 116—121)



1. A dose time indicator for medicine bottles, comprising: a member having a top surface and a side surface each provided with characters for indicating time for taking doses, and a pointer on said closure movable relative thereto having portions overlying said top and side surface thereof to point to said characters thereon.

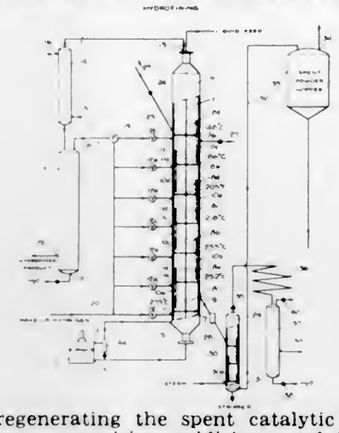
2,587,148
METHOD OF PRODUCING SHOE CLEATS
Jul Andrew Gundersen, Drammen, Norway
Application July 30, 1949, Serial No. 107,684
In Norway December 23, 1947
1 Claim. (Cl. 12—142)



A process of making studs for football and other types of sports footwear consisting of forming a central hole in each of a plurality of leather discs, passing a screw through the registering holes in said discs and subjecting said discs while threaded on the screw to axial pressure to compress and consolidate the same.

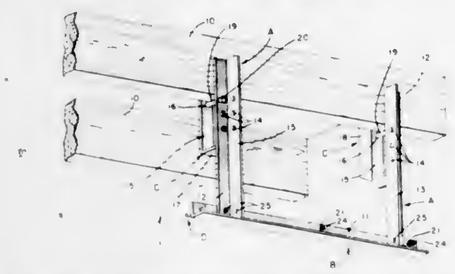
2,587,149
HYDROFINING WITH SULFATE REGENERATED CATALYST
Marion H. Gwynn, Mountain Lakes, N. J.
Application February 10, 1948, Serial No. 7,456
12 Claims. (Cl. 196—28)

1. A method of hydrofining hydrocarbons and substituted hydrocarbons substantially in the vapor phase and which comprises continuously and countercurrently contacting the vapor with used catalytic surfaces at a superatmospheric temperature below that at which substantial pyrolysis occurs with said vapors, the hydrofining pressure being between 1 and 100 atmospheres, said catalytic surfaces comprising an inorganic compound of a metal selected from the group which consists of iron, cobalt, nickel, and copper,



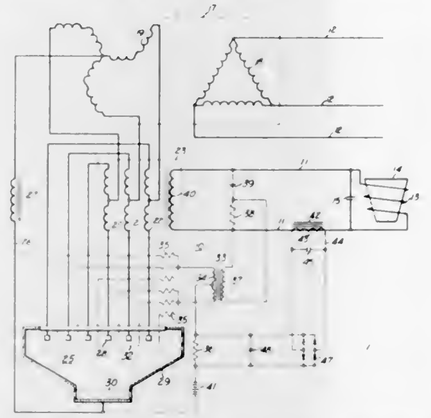
then regenerating the spent catalytic surfaces by means comprising oxidizing catalytic metal sulphide with an oxygen containing gas substantially to the sulphate and chemically reacting the sulphate with an inorganic compound of strong alkalinity to form a readily reducible basic compound of the catalytic metal, heating and reusing these catalytic surfaces in the last hydrofining stage.

2,587,150
HANGING SUPPORT
Donald A. Hansen, Robbinsdale, and Cameron R. Lyseng, Minneapolis, Minn.
Application October 16, 1948, Serial No. 54,944
3 Claims. (Cl. 248—58)



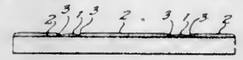
1. In a hanging support for attachment to an overhead structural member, a hanger-bar of angle iron, a clamp-bar of angle iron, one flange of said hanger-bar being formed intermediately thereof with a bolt hole, said clamp-bar being adapted to be disposed alongside said hanger-bar with one of its flanges mated with and confronting said last mentioned flange of said hanger-bar and with the other of its flanges disposed in the plane of the other flange of said hanger-bar, said confronting flange of the clamp-bar having a bolt hole therein intermediately of the clamp-bar and having its lower portion angularly bent to form a toe for fulcruming engagement with the confronted flange of the hanger-bar, a tie-bolt loosely received in the bolt hole in the confronting flange of said clamp-bar and extending therethrough and through the bolt hole in the confronted flange of said hanger-bar, said tie-bolt operating upon being tightened to tilt the clamp-bar and bring the upper portion of said confronting flange thereof toward the upper portion of said confronted flange of the hanger-bar to engage said portions of said flanges of clamp-bar and hanger-bar in jaw-like manner with the opposite sides of said structural member.

2,587,151
PROTECTIVE SYSTEM FOR ELECTRONIC FREQUENCY CHANGERS
Alfred J. Hansen, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Application March 22, 1950, Serial No. 151,258
7 Claims. (Cl. 321—7)



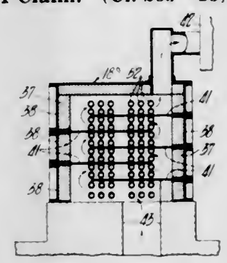
6. In combination, an alternating current supply circuit, an alternating current load circuit, an oscillatory load connected to said load circuit, frequency converting means interconnecting said circuits comprising a plurality of electric valves having a plurality of control electrodes and at leath one cathode, phase shifting means connected with said load circuit for impressing on each said control electrode a periodic control potential component to sustain oscillations in said load circuit, and means responsive to the failure of said control electrodes to provide a normal sequence of commutation between said valves for blocking the flow of fault current through said valves, said means comprising a current transformer having a primary winding in series connection with said load circuit for carrying a unidirectional current upon the flow of fault current through said valves and having a secondary winding for carrying a unidirectional current as a result of the flow of said unidirectional current through said primary winding, a capacitor connected across said secondary winding for integrating said unidirectional current in said secondary winding to give rise to a voltage component which is a measure of said integrated unidirectional current, rectifier means connected to said capacitor for polarizing said unidirectional voltage component, impedance means connected between said cathode and said electrodes across which said polarized voltage component is applied to block said valves, and a second capacitor connected across said resistor for sustaining a blocking voltage component between said cathode and said electrodes for a predetermined period after said fault current becomes zero.

2,587,152
METHOD OF DECORATING CERAMIC BODIES
Richard B. Harlan, Long Beach, and Walter E. Gardner, Whittier, Calif., assignors, by mesne assignments, to Ceratile Corporation, Paramount, Calif., a corporation of California
Application January 7, 1949, Serial No. 69,644
6 Claims. (Cl. 117—40)



1. In a method of producing decorated ceramic clay articles, the steps of; applying a first alumina-containing glaze-forming composition to selected portions of a surface of said article, said composition having sufficient solids to form a substantially uniform layer of solids of a thickness of from 3 to 20 thousandths of an inch before firing, thereafter applying a continuous layer of a background glaze-forming composition containing alumina over said first layer and uncoated portions of said surface, said background layer having sufficient solids to form a substantially uniform layer of solids of a thickness of from 5 to 25 thousandths of an inch before firing, and simultaneously glost firing said first and background compositions on said article; each of said first and background compositions being selected from the group consisting of: (1) a lead-silicate glaze consisting essentially of substantial proportions of lead oxide and silica, (2) a lead-boro-silicate glaze consisting essentially of substantial proportions of lead oxide, boron oxide and silica, (3) an alkali-boro-silicate glaze consisting essentially of substantial proportions of alkali metal oxides, boron oxide and silica and (4) an alkali-lime-silicate glaze consisting essentially of substantial proportions of alkali metal oxides, calcium oxide, and silica; said first and background compositions each being a different one of said group and said first composition having substantially less alumina than said background composition whereby during glost firing said background composition developes a fluid state of lesser fluidity than that of said first composition and withdraws therefrom without substantial diffusion thereinto to uncover said first composition on said selected portions, both said compositions having overlapping maturing temperature ranges and said glost firing being carried out within said overlapping ranges.

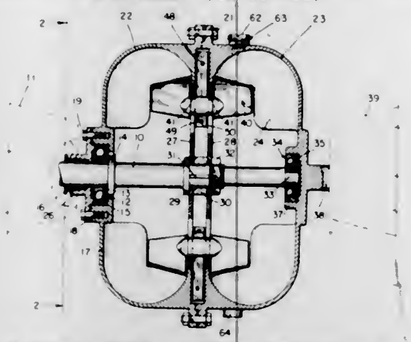
2,587,153
APPARATUS FOR ATOMIZING FUEL IN OPEN-HEARTH FURNACES
James L. Hartney, Chicago, Ill., assignor to United States Steel Company, a corporation of New Jersey
Application August 31, 1948, Serial No. 47,034
1 Claim. (Cl. 263—15)



A heat exchanger comprising a base, a pair of side walls, a pair of end walls and a top wall

defining a heating chamber above said base, a pair of parallel vertically disposed manifolds fixed to one of said side walls, horizontal partitions in said manifolds dividing each of them into superposed compartments with the partitions in one manifold being staggered with respect to those in the other manifold, a plurality of integral horizontal U-shaped tubes connecting adjacent compartments on opposite manifolds and extending back into the heating chamber, a pipe connected to an end compartment of one of said manifolds for admitting gases to be heated, said manifold compartments and said tubes defining a continuous path through the heat exchanger for such gases, a pipe connected to a compartment at the opposite end of one of said manifolds for discharging heated gases, horizontal baffles extending from said end walls between said tubes with successive baffles extending from opposite end walls and thus defining a sinuous course, means for admitting hot gases to one end of this sinuous course for heating the tubes containing the first mentioned gases, and means for discharging the second mentioned gases from the other end of said sinuous course.

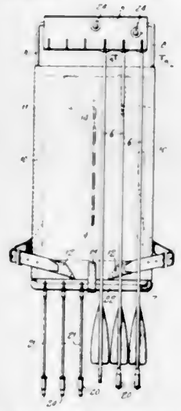
2,587,154
ROTARY FLUID COUPLING
Vernon O. Hartz, Glendale, Calif.
Application October 26, 1946, Serial No. 706,040
9 Claims (Cl. 60—54)



6. A rotary fluid coupling comprising a rotor adapted to be connected to a power driven shaft and having a pair of spaced parallel rotor discs, a plurality of pairs of rotor vanes pivotally mounted uniformly about the marginal areas of said discs, the vanes of each pair being disposed respectively on the outer sides of said discs and being connected by a hub mmeber extending through said discs, each vane being offset in the plane of the vane from its axis of pivotal mounting, a counterweight secured to each of said hub members between said discs, a liquid containing housing enclosing said rotor and its parts and rotatable relatively thereto and co-axially therewith, and a plurality of housing vanes each of which is mounted to lie peripherally beyond said rotor vanes, said housing vanes being disposed to lie substantially in radial planes of the housing about its axis of rotation, the inner edges of the housing vanes being adapted to fit closely adjacent the peripheral edges of the rotor vanes in the maximum outward position of said counterweights.

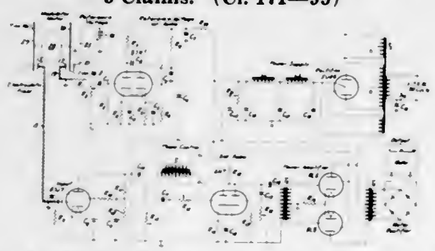
7. A rotor-impeller for a rotary fluid coupling adapted to be connected to a power-driven shaft and positioned within a rotatable housing runner, comprising circular blade mounting means, vanes pivotally mounted in pairs uniformly about the peripheral marginal area of the mounting means with the blades of each pair disposed one on each side of said mounting means, and a weight for each pair of blades, said weights being positioned between the blades of each pair and mounted for pivotal movement with the blades.

2,587,155
QUIVER
James W. Harvey, Lakeville, Conn., assignor to Starr Allyn Harvey, Lakeville, Conn.
Application March 24, 1950, Serial No. 151,749
8 Claims. (Cl. 150—1.5)



1. A quiver for arrows comprising a back-borne frame having a holder at the top and a cross bar at the lower end, said holder having pockets opening downwardly for housing the heads of arrows and caps resiliently carried by the cross bar for detachably holding the nocked ends of the arrows.

2,587,156
ELECTRIC FIELD STRENGTH MEASUREMENT
Robert Samuel Havenhill, Beaver, and Loyd E. Carlson, Monaca, Pa., assignors to St. Joseph Lead Company, New York, N. Y., a corporation of New York
Application December 28, 1948, Serial No. 67,734
5 Claims. (Cl. 171—95)



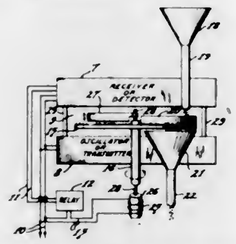
1. Apparatus for measuring the strength and automatically indicating the polarity of electric fields comprising an electrode adapted to be exposed to the field to be measured, a second electrode exposed to an electric field of preselected constant strength, a conductive blade member cutting the field impinging on said first electrode at an audio frequency, a conductive blade member cutting the field impinging on said second electrode at an audio frequency, means for isolating and separately detecting the voltages induced on said electrode members, means for combining said separately detected voltages to provide a resultant signal, and an output meter responsive to the resultant signal.

2,587,157
ROTATABLE DRUM WITH LIQUID BATH
Johannes Hoekstra, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 5, 1947, Serial No. 726,491
In the Netherlands May 30, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 30, 1964
3 Claims. (Cl. 210—180)



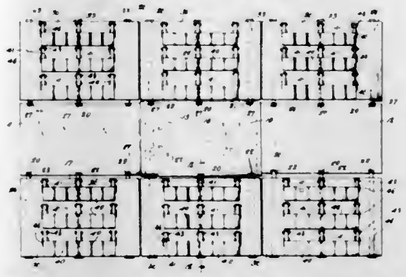
1. Liquid bath apparatus comprising a rotatable drum-like member normally-closed to retain a quantity of liquid, a closed filter casing located at the periphery of said member and rotatable therewith, an outlet connection for the liquid connecting one end of the casing to the interior of the drum-like member, an inlet connection for the liquid connecting the other end of the filter casing to the interior of the member, and a filter element disposed in said filter casing between the inlet and outlet connections, said inlet and outlet connections being connected to the interior of the drum-like member at points spaced apart peripherally with the inlet connection ahead of the outlet connection in the direction of rotation of the drum-like member.

2,587,158
METAL DETECTOR
Alf H. Hofberg, Medford, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1948, Serial No. 11,540
2 Claims. (Cl. 209—81)



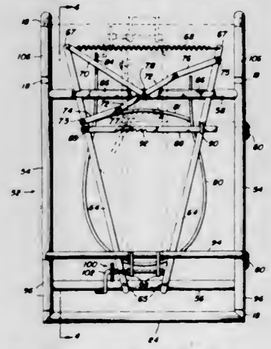
1. Material testing and inspecting apparatus comprising, in combination, a metal detector having a fixed elongated metal detection field, a conveyor including a rotatable non-metallic disk carrier element having a substantially semi-circular peripheral portion extending into said field in a plane normal to a plane through the axis of said field to carry materials to be tested on said peripheral portion through said field in a substantially semi-circular path, conductor means terminating at said disk for delivering material thereto adjacent a point of entry of the disk into the field, material collector means positioned adjacent the disk between a point of exit thereof from the field and said point of entry, a material reject element positioned adjacent the disk at a point between said collector means and said point of exit, and means responsive to operation of said detector for actuating said reject element to remove contaminated material from said disk.

2,587,159
PORTABLE GRANDSTAND
Calvin J. Holmes, Terre Haute, Ind.
Application November 13, 1945, Serial No. 628,008
2 Claims. (Cl. 20—1.126)



1. A portable grandstand comprising a wheel-supported platform, telescoping platforms extensible forwardly and rearwardly from the wheel-supported platform, stringers detachably secured to the sides of said platforms and extending laterally therefrom, a pair of supplemental platforms for each of the telescopic platforms and for the wheel-supported platform removably mounted upon the stringers, one at each side of the said wheel-supported and telescoping platforms, the laterally extending supplemental platforms being adapted to support seats, said supplemental platforms on one side of the wheel-supported and telescoping platforms declining from the edges thereof to the ground and the supplemental platforms at the other side extending angularly and upwardly from the edges of said wheel-supported platform and said telescoping platforms and props for supporting the stringers on said other side of the wheel-supported and telescoping platforms.

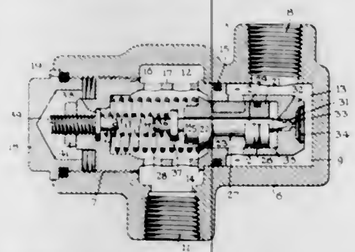
2,587,160
AUTOMATIC STOCK CHUTE
Burdis A. Howe, Walters, Okla.
Application December 21, 1948, Serial No. 66,456
5 Claims. (Cl. 119—99)



1. A stock chute comprising an open frame having vertical sides, a floor pivoted to the bottom of the chute at one end of the chute for movement about a horizontal axis an end closure assembly including a sub-frame having sides and hinged to a lower portion of one of said vertical sides at the end of the chute remote from said one end, a pair of opposed elongated members pivoted to the side of a lower portion of said sub-frame remote from said one end and adapted dimensionally and positionally with respect to the sides to engage the necks of

stock when the upper end portions are collapsed toward each other, straps secured to said subframe to prevent the upper ends of said members from being pushed outwardly by stock, spring means connected to said members to bias said members into collapsed positions, latch means to hold said members in collapsed positions, other means connecting said members to hold said members in retracted positions comprising a hand lever having a pair of oppositely extending arms, inflexible links pivotally secured to and between said arms and upper portions of said members, and trip means operable by the stock to release said hand lever so that said members are freed to collapse together under the influence of said spring means.

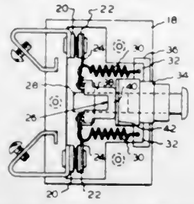
2,587,161
PRESSURE RELIEF VALVE
Matthew W. Huber, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application September 17, 1945, Serial No. 616,858
2 Claims. (Cl. 137—53)



1. A relief valve comprising in combination, means enclosing a pressure chamber; a main valve controlling venting flow from said chamber, said valve including a flow-controlling head and a balancing piston of equal areas subject to pressure in said pressure chamber acting thereon respectively in opposite directions, whereby the valve when closed is rendered indifferent to pressure in said chamber; resilient means biasing said main valve in a closing direction; means forming a motor cylinder in which the balancing piston of said valve may reciprocate and in which fluid pressure when developed urges said main valve in an opening direction, said balancing piston being formed with an axial guideway which leads from said motor cylinder to a point of discharge, and said motor cylinder being provided with an inlet port alined with said guideway; means affording a supply path from the pressure chamber to said inlet port; a needle valve guided in and only partially obstructing said guideway, whereby a constantly open vent from the motor cylinder is afforded, said needle valve controlling said supply port and being urged in its opening direction by fluid-chamber pressure effective in said port; and resilient means biasing said needle valve in its closing direction.

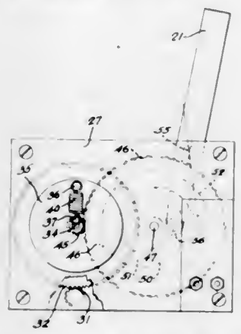
2,587,162
CIRCUIT BREAKER WITH AMBIENT TEMPERATURE AND SHOCK COMPENSATION
Richard C. Ingwersen, Jackson, Mich., assignor to Mechanical Products, Inc., Jackson, Mich., a corporation of Michigan
Application January 5, 1950, Serial No. 136,969
7 Claims. (Cl. 200—116)

1. An electric circuit breaker with overload protection comprising in combination, fixed contact means, movable contact means in opposed relation to said fixed contact means, structure for supporting said movable contact means for movement toward and from said fixed contact means, said structure including electrically conductive thermally responsive latch means in electrical series with said movable contact means and bi-metallic guide means, fixed guide structure on which said first structure is supported



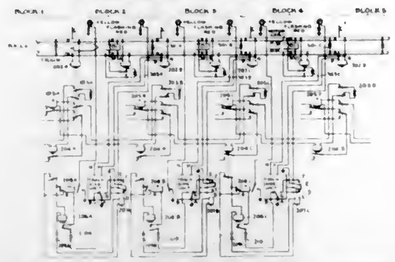
and guided for movement toward and from said fixed contact means, said fixed structure including an abutment with which said latch means engages to hold the said first structure in latched position with said contact means closed, and said fixed structure including also a guide surface with which said bi-metallic guide means engage to hold said thermal latch means properly located with respect to said abutment in the latched position.

2,587,163
WINDSHIELD WIPER DRIVE
George W. Jackson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 13, 1951, Serial No. 205,913
8 Claims. (Cl. 74—54)



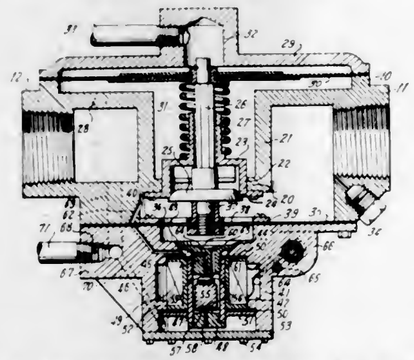
1. An actuator for oscillating a windshield wiper blade, comprising in combination, a prime mover; a member rotated in either direction by said prime mover; a channel in one side of said member, said channel consisting of a circular portion eccentric of said member and an outwardly diverging tail portion of predetermined length and angularity; a pivoted lever one end of which is connectible with the wiper blade, the other end of said lever having a follower extending into said channel, the follower continuously traversing only the circular portion of the channel as the member is rotated in one direction and being capable of entering the tail portion as the member is rotated in the opposite direction; means operative to render the prime mover continuously active in one direction and to prevent continuous operation of the prime mover in the opposite direction, said means being engageable by the follower when moving into the tail portion of the channel for rendering the prime mover inactive.

2,587,164
TRAIN APPROACH INDICATOR
Carl Otis Jett, Omaha, Nebr., and Donald L. Wylie, Portland, Oreg.
Application June 3, 1949, Serial No. 97,008
11 Claims. (Cl. 246—39)



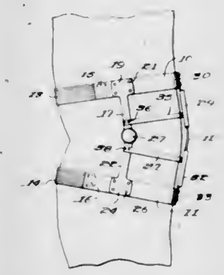
1. A warning system for use on railroads having a block signaling installation in which the rails are used as conductors, said system being adapted for use with vehicles which travel on the rails without causing operation of the block signals, said warning system comprising: at least one vehicle-carried cyclic signal-transmitting and receiving unit; a trackside cyclic signal-transmitting and receiving unit associated with each block section; means for electrically coupling each of said units to the rails; relay means controlled by the response of a track relay of said block system to traffic conditions, for controlling the signal transmissions of said track-side units; electrical time-sequencing means forming a part of each of said units and for interlocking a track-side and a vehicle-carried unit, whereby one unit so interlocked is transmitting while the other is receiving; and indicating means on said vehicle, controlled by said vehicle-carried unit, to continuously inform the vehicle operator of traffic conditions within a preselected number of blocks from said vehicle.

2,587,165
GAS CARBURETING APPARATUS
Sam P. Jones, Dallas, Tex.
Application July 3, 1948, Serial No. 36,962
10 Claims. (Cl. 48—180)



1. A gas carbureting apparatus for internal combustion engines having an engine intake stack with an air inlet and a fuel inlet and a throttle valve in the stack down stream of the fuel inlet, including, a fuel metering valve casing having a fuel chamber, a conductor connecting the fuel chamber with the stack inlet, a fuel inlet valve in the casing controlling the supply of fuel to the fuel chamber, a fuel supply conductor leading to the fuel inlet valve, a diaphragm in the casing connected to the inlet valve having one side exposed to the fuel gas pressure upstream of the inlet valve, the casing having a chamber exposed to the opposite side of the diaphragm, an idling conductor leading from the intake stack downstream of the throttle valve to the fuel chamber, a second valve in the casing, a bypass conductor leading from the idling conductor to the second valve, a bypass passage leading from the fuel supply conductor upstream of the fuel inlet valve to the second valve, the second valve having a flow passage communicating with the last named chamber and flow passages communicating with the bypass conductor and bypass passage, and means for actuating said valve to place the bypass conductor and the bypass passage selectively in communication with the chamber enclosing the opposite side of the diaphragm.

2,587,166
KNEE-SUPPORTING BRACE
Frank J. Jovick, San Francisco, Calif., assignor of one-half to Vance Jovick, Arlington, Va.
Application January 6, 1950, Serial No. 137,077
2 Claims. (Cl. 2—24)

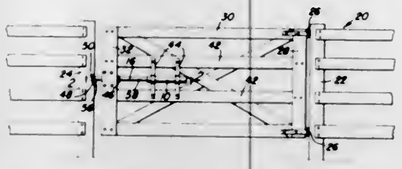


1. In a knee brace, the combination which comprises an upper substantially semicircular band having ends, a lower substantially semicircular band having ends, an elastic strap connecting the ends of the upper band, an elastic strap connecting the ends of the lower band, downwardly extended arms carried by the upper band and spaced from the ends thereof, upwardly extended arms carried by the lower band and spaced from the ends thereof, means hinging the ends of the arms together, a socket rectangular shaped in cross section carried by and extended downwardly from the upper band and positioned on the front of the brace, an upwardly extended socket rectangular shaped in cross section carried by and extended from the lower band and positioned on the front of the brace, and a spring steel band connecting the sockets and positioned with the ends thereof slidable in the sockets.

2,587,167
GATE LATCH
John W. Kelley, Canadian, Tex.
Application January 6, 1948, Serial No. 796
1 Claim. (Cl. 39—28)

In a gate structure including a vertical side rail and a plurality of horizontal rails including a pair of intermediate rails; a latch comprising a housing open at one end, an elongated cylindrical locking bar having one end portion slidably received in said housing, means detachably securing said housing to and between said pair of intermediate rails, means disposed in the housing normally urging one end of said bar

from said housing, an auxiliary vertical rail, means adjustably securing said auxiliary vertical rail to said first mentioned rail, and a guide sleeve clamped between said vertical rails and



slidably receiving said bar, said first named means consisting of a pair of vertical straps terminally secured to said intermediate rails and having depressions medially their ends receiving the ends of said housing.

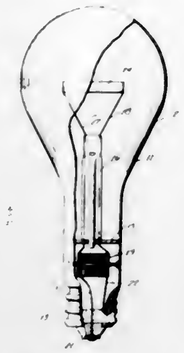
2,587,168
WINDSHIELD WIPER
Hyman Kessler, Washington, D. C.
Application March 9, 1949, Serial No. 80,526
3 Claims. (Cl. 287—93)



1. In a pivotal connecting device adapted to be interposed between the oscillating arm and the wiper blade of a windshield wiper, a driving element adapted to be connected to the oscillating arm, a driven element adapted to be connected to the wiper blade, said driven element having a central boss thereon with a central bore therethrough, a driving element having a central boss thereon with a central bore therethrough, the central boss on the driving element being received in the bore in the central boss on the driven element, a pivot through the driven element and the central boss on the driving element, a pair of arcuately spaced stops on one of said elements, a single stop on the other of said elements positioned intermediate said arcuately spaced stops, and a torsion spring surrounding the central boss on the driven element and connected at its ends to the driving and the driven elements, respectively.

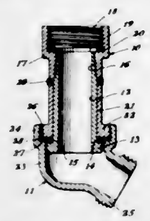
2,587,169
INCANDESCENT LAMP
John L. Kivari, Detroit, Mich.
Application August 30, 1949, Serial No. 113,090
3 Claims. (Cl. 315—70)

1. An incandescent lamp comprising a screw base and including a pair of contact terminals, a glass envelope secured at one end to said base, a partition fixedly positioned transversely of and within said envelope and spaced from said base, a step-down transformer including a primary and secondary positioned within said envelope intermediate said partition and base and having the primary connected at the opposite ends thereof to said contact terminals, a riser positioned in the envelope and having one end secured to said partition, a pair of lead-in wires positioned in said riser and projecting from the opposite ends thereof, one of the projecting ends of said lead-in wires being secured to the secondary of said transformer, and an annular filament positioned transversely of and spaced from said riser adjacent the



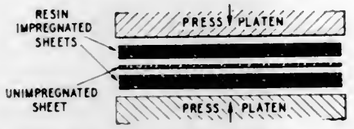
other end thereof and secured to the other projecting ends of said lead-in wires.

2,587,170
SWIVEL JOINT
Charles Klingler, Amityville, and Ernest F. Klingler, Lindenhurst, N. Y.
Application May 19, 1949, Serial No. 94,106
1 Claim. (Cl. 285—97.6)



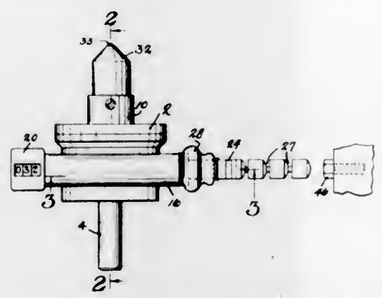
In a swivel-joint hose-connecting unit, a bushing having enlarged and reduced internally threaded body portions, the enlarged portion serving for removably receiving an existing threaded faucet, a tubular element threaded at one end and in thread-engagement with the reduced bushing portion, the other end of the tubular element forming an annular enlargement having a washer seat, a relatively narrow washer supported by said seat; a sleeve revolubly engaging said tubular element, said sleeve having at one end a relatively broad, externally threaded flange with a wide, flat outer face, its other end extending toward said reduced body portion of said bushing, a spring element interposed between that latter bushing portion and that other sleeve and for forcibly urging said wide flange face against said narrow washer; a hollow angular body having an enlarged, internally threaded upper end and a lower end provided with an external thread for accommodating a hose fitting, said enlarged upper end of the angular body having a gasket seat at the bottom of its thread, a relatively broad gasket carried by said seat externally to, spaced from and concentric with said relatively narrow washer supported by the seat of the annular enlargement, the internal thread of the enlarged end of said angular body removably but tightly engaging the external thread of said sleeve flange, said broad gasket forming a water-tight seal and being forcibly and fixedly held between said wide outer flange face and said enlarged end of the angular body.

2,587,171
LAMINATED ARTICLE HAVING AN UNIMPREGNATED SURFACE AND METHOD OF MAKING THE SAME
Norman Watson Knewstubb, Solihull, Birmingham, and Colin Neri Jenkins, Yardley, Birmingham, England, assignors to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York
Application January 7, 1950, Serial No. 137,492
In Great Britain January 27, 1949
5 Claims. (Cl. 154—120)



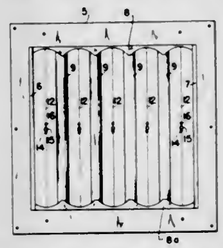
1. A process for the preparation of a laminated sheet which comprises superposing fibrous sheets impregnated with thermosetting synthetic resin, interleaving in at least one place in the stack a single sheet of rough, porous paper which has not been treated with synthetic resin, molding under heat and pressure, and subsequently splitting the resultant sheet in the plane or planes of the unimpregnated paper sheet.

2,587,172
HOLDER FOR DIAMOND DRESSING TOOLS
Frank Edward Koebel, Madison, and Oswald Edward Olivieri, Milburn, N. J., assignors, by mesne assignments, to J. K. Smit & Sons, Inc., Murray Hill, N. J., a corporation of New Jersey
Application March 16, 1949, Serial No. 81,788
1 Claim. (Cl. 125—11)



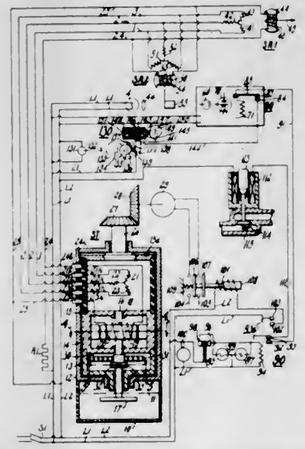
A mount for diamond dressing tools, said mount comprising, in combination, a housing; a tool-mounting spindle extending thereinto; an anti-friction bearing within the housing in which the outer end of the spindle is journalled and through which the spindle extends; a bearing in the inner face of the rear wall of the housing in which the rear end of said spindle is journalled; an indexing gear rigidly mounted on said spindle intermediate said bearings; a longitudinally movable indexing plunger extending into said housing and projecting to the exterior thereof, said plunger extending transversely to the axis of said spindle; an indexing pawl pivotally affixed to said plunger and extending into engagement with the teeth of said indexing gear, to index said spindle upon actuation of said plunger; a device for recording each actuation of the said plunger, said recording device being carried by said housing; a plunger for actuating said recording device, said plunger being carried within said housing and being actuated by the indexing plunger each time the latter is actuated; depressions in one face of said indexing gear; a spring-loaded locking ball within the housing, adapted to engage one of said depressions after each actuation of the indexing plunger to lock the indexing gear in indexed position; a sealing cap for sealing the housing at the front end thereof about the tool-mounting spindle; and a sealing boot surrounding the projecting portion of the indexing plunger, one end of the boot being secured to the plunger and the other end being secured to the housing.

2,587,173
ELECTRODE FOR ELECTROSTATIC FILTERS
George F. Landgraf, Pittsburgh, Pa., assignor to Trion, Inc., McKees Rocks, Pa., a corporation of Pennsylvania
Application April 16, 1951, Serial No. 221,261
5 Claims. (Cl. 183—7)



1. An electrode for electrostatic filters comprising a wire adapted to be supported at its ends in the filter and two beads on the wire, one bead being secured to the wire adjacent the central portion of the wire, the other bead being loosely mounted on the wire and supported by the first mentioned bead when the wire is in position in the filter.

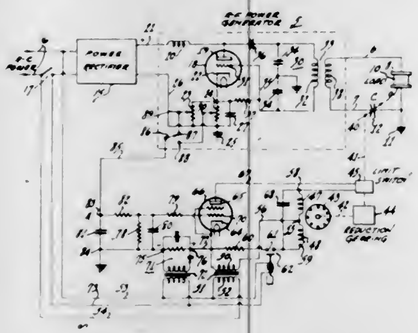
2,587,174
VISCOSITY CONTROL APPARATUS
Donald G. Lantz, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 3, 1949, Serial No. 96,979
7 Claims. (Cl. 137—78)



1. Apparatus for controlling viscosity of a liquid comprising a selsyn transmitter having a stator which is supported for rotation and a rotor, means for rotating the stator at a constant speed, a disc attached to the rotor and immersed

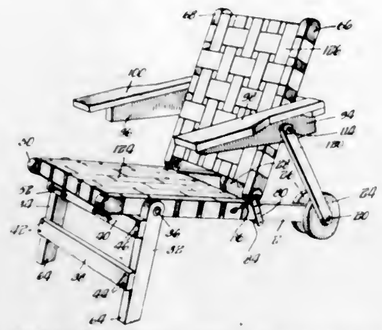
in the liquid, a spring resisting displacement of the rotor relative to the stator, a selsyn receiver having a fixed stator and a rotor, circuits connecting the stator windings of the transmitter and receiver, circuits connecting the rotor windings of the transmitter and receiver and with an A. C. source whereby the receiver rotor is caused to take a position relative to the receiver stator corresponding to the position of the transmitter rotor relative to the transmitter stator, and means rendered operative in response to a predetermined displacement of the receiver rotor relative to the receiver stator for causing admission of thinner to the liquid.

2,587,175
LOAD CONTROL SYSTEM FOR ELECTRONIC POWER GENERATORS
Lester S. Lappin, Pennsauken, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1948, Serial No. 36,073
7 Claims. (Cl. 323—66)



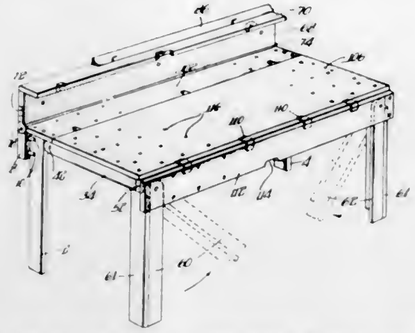
1. A control system for controlling the output to a variable load by an R.-F. power generator coupled to said load by a variable impedance, said system comprising a reversible motor operatively connected to said variable impedance to control the amplitude thereof, means for energizing said motor, a first motor control circuit for operating said motor in a direction to decrease said variable impedance connecting said energizing means to said motor, a second motor control circuit for operating said motor in a direction to increase said variable impedance connecting said energizing means to said motor, said first motor control circuit including an impedance determining resistor in series with said energizing means, said second motor control circuit including an electron discharge tube having its discharge path in series with said energizing means, the value of said resistor being selected to determine the impedance of said first motor control circuit as greater than the impedance of said second motor control circuit when said tube is energized whereby when both motor control circuits are energized said motor operates to decrease said variable impedance, said electron discharge tube having a grid circuit to determine the conductivity of said tube, means to apply a first potential to said grid circuit to maintain said tube nonconducting, means to derive for predetermined values of output of said R.-F. power generator a second potential having a value to cause said tube to become conducting, and means to apply said second potential to said grid circuit whereby said variable impedance device is varied to maintain a desired output to said load.

2,587,176
FOLDABLE CHAIR
Charles O. Larson, Sterling, Ill.
Application October 27, 1945, Serial No. 625,065
12 Claims. (Cl. 155—139)



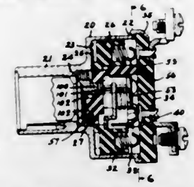
12. A foldable chair comprising a pair of rearwardly inclined rear legs forming also a seat frame, means for supporting the rear legs in inclined position, a back, means slidingly mounting the lower portion of the back on said rear legs to make the back shiftable therealong, bracing means pivotally connected to and interconnecting said rear legs and said back, and means to hold said mounting means stationary with respect to said rear legs.

2,587,177
FOLDING WORKBENCH
Charles O. Larson, Sterling, Ill.
Application June 10, 1947, Serial No. 753,675
11 Claims. (Cl. 144—286)



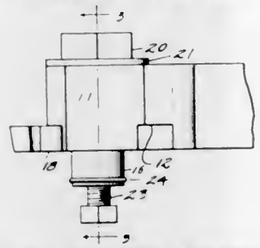
2. A folding bench comprising a pair of rear legs, a rear cross support interconnecting said rear legs, a pair of side frame members pivotally connected to said rear leg structure to swing about horizontal pivots, a front frame member rigidifying and interconnecting the side frame members, a pair of front legs each pivotally connected to the front leg structure to swing about horizontal pivots, a bench top connected to said side frame members whereby said bench may fold from an open position to a closed position wherein the front legs swing upwardly into parallelism beneath the bench top, and whereby the bench top may be swung downwardly into parallelism with the rear leg members, and means pivotally disposed on the rear leg structure for closing the space between the folded bench top and said rear leg structure whereby to provide a substantially rectangular folded structure for the bench for shipment or for storage.

2,587,178
POLARITY REVERSING SWITCH
John W. Lawson and William Earl Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 26, 1947, Serial No. 744,240
10 Claims. (Cl. 200—7)



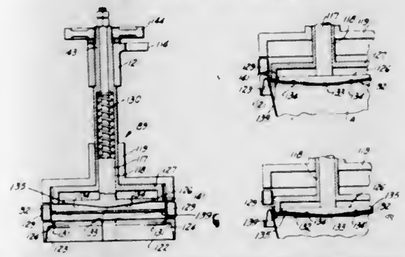
4. An electric switch comprising in combination; a cup-shaped casing having a series of ratchet teeth; a closure for the casing supporting two circular rows of stationary contacts; means for connecting contacts of one row with contacts of the other row; a pair of concentric rotors located within the casing and capable of moving axially and angularly relative to each other, said outer rotor having inner ratchet teeth; slidable circuit closing means carried by each rotor; spring means supported within each rotor for urging same and their respective circuit closing means apart; a plate supported by the inner rotor and having arms extending through notches, the free ends of the arms cooperating with the inner ratchet teeth of the outer rotor to drive same in one direction of rotation; spring means for urging the inner rotor toward the closure; cooperating means provided by the inner rotor and the closure to maintain yieldingly the inner rotor in various positions; means for driving the inner rotor in either direction of rotation; and extensions on the outside of the outer rotor adapted to cooperate with the ratchet teeth on the casing to prevent reverse movement of the outer rotor upon reverse movement of the inner rotor.

2,587,179
TOOL HOLDER
Albert J. Levellle, Johnston, R. I.
Application December 15, 1949, Serial No. 133,046
1 Claim. (Cl. 29—98)



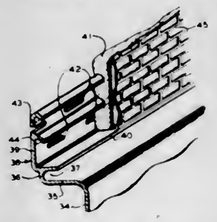
A tool holder comprising an elongated bar, a head on one end of said bar, said head having a pair of crossed channels in one face thereof and a longitudinal channel in the opposite face thereof, said head having a cylindrical bore intersecting said channels, a cylindrical clamping stud rotatable in said bore and having a transversely disposed opening through which a bit is adapted to engage, said bit being adapted to seat in a selected one of said channels and projecting through said opening, a threaded stud at one end of said clamping stud, a nut on said threaded stud, a washer of greater diameter than said bore to prevent linear displacement of said clamping stud through said bore in one direction upon removal of said stud interposed between said nut and the adjacent face of said head, a set screw threaded into the opposite end of said clamping stud adapted to bear against said bit to hold the latter against movement in said opening, said opposite end having a peripheral channel thereabout and means of greater extent than said bore on the end of said clamping stud containing said set screw to prevent linear displacement of said stud in the other direction upon removal of said bit, said last mentioned means comprising a split clamping ring seating in said channel and surrounding said opposite end of said clamping stud, removal of said clamping ring permitting ready withdrawal of said clamping stud.

2,587,180
CONTAINER FILLING AND CAPPING MACHINE
Andrew E. Lindstrom, Larkspur, Calif., assignor, by mesne assignments, to United Metal Seal Company, Dorchester, Mass., a corporation of Massachusetts
Application May 5, 1945, Serial No. 592,213
13 Claims. (Cl. 226—92)



9. In a capper mechanism for flexible walled container bodies and closure caps, means for supporting a body with an open side at the top and in position to receive a cap, means providing a support for the cap in position above the opening, means operative to engage the cap in said position to flex same about a line intersecting opposed peripheral portions and with the convex side facing the body, and means operative to engage the cap in flexed position to restore all peripheral portions of the cap in coplanar relation and in operative engagement with the container body.

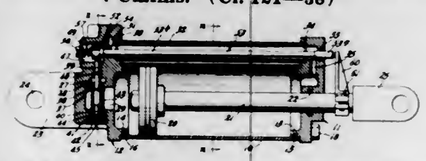
2,587,181
FIXTURE WITH WALL RECEIVING PORTION
Alvin L. Lindstrom, Atlanta, Ga.
Application October 28, 1946, Serial No. 706,215
4 Claims. (Cl. 72—0.5)



1. A fixture having an upright side wall adapted to be positioned in contact with a vertical wall comprising a horizontally disposed ledge extending along the upright side wall, the inner edge of the ledge sloping downwardly from the ledge to the side wall, the outer edge of the ledge extending in the same general direction as the side wall and having fixedly secured thereto a hori-

zontally disposed elongated upstanding flange, and a horizontally disposed angle member positioned above said upstanding flange with one leg extending horizontally and the other leg extending vertically, said one leg intermediate its edges abutting the upper edge of said flange and secured thereto, the free edge of said one leg extending inwardly beyond said flange, the other leg of said angle member extending upwardly, said ledge, flange and said one leg of said angle member being adapted to cause water to run off.

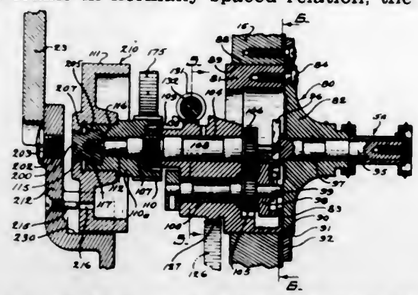
2,587,182
HYDRAULIC MOTOR CYLINDER WITH STROKE LIMITING VALVE
Carlos B. Livers, North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 19, 1950, Serial No. 168,913
7 Claims. (Cl. 121—38)



1. A hydraulic motor unit comprising: a cylinder having a first head at one end and a second head at the other end, said first head having a piston rod passage therethrough; a piston in said cylinder and a piston rod extending from said piston through said passage in said first head; said first head having a first fluid passage therein for supplying fluid to and exhausting fluid from said one end of said cylinder; said second head having a second fluid passage therein for supplying fluid to and exhausting fluid from said other end of said cylinder, said second fluid passage including a valve seat facing the cylinder end of the passage; a poppet valve slideably supported in said second head for movement into and out of closing engagement with said seat; a push rod parallel to said cylinder and having a first end extending beyond said first head and a second end adjacent said poppet valve in said second head; means in said heads for slideably supporting said push rod for longitudinal movement; a pusher member on said piston rod engageable with said first end of said push rod for shifting the push rod from its said normal position into an actuated position in response to inward movement of said piston rod into a predetermined position; means responsive to movement of said push rod from its normal to its actuated position for seating said poppet valve; and means for restoring said push rod to its said normal position in response to opening movement of said poppet valve and outward movement of said piston rod from said predetermined position.

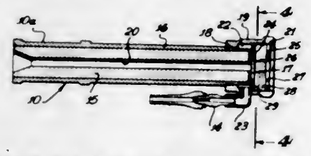
2,587,183
REMOVABLE GENEVA MOVEMENT FOR MOTION-PICTURE PROJECTORS
Emanuel C. Manderfeld, Los Angeles, Calif., assignor to Mitchell Camera Corporation, Glendale, Calif., a corporation of Delaware
Application October 14, 1947, Serial No. 779,789
14 Claims. (Cl. 88—18.3)

1. In a machine having a frame and a shaft normally journaled on a fixed axis with respect to the frame and removable therefrom by axial movement in one direction; driving means for the shaft, comprising a driving gear rotatably mounted on the frame, a driven gear normally releasably mounted on and exclusively carried by the shaft in fixed rotational relation thereto and in mesh with the driving gear, the driven gear being releasable from the journaled shaft by axial movement relative thereto in the opposite direction, and cooperating gear supporting formations mounted respectively on the driven gear and on the frame in normally spaced relation, the said



formations being mutually engageable and acting when so engaged to support the released driven gear on the frame substantially on the said axis and in mesh with the driving gear, and the said formations being shiftable between their spaced and engaged conditions without disturbing the said gear engagement.

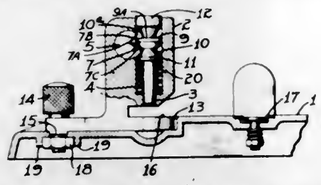
2,587,184
SANDBLAST NOZZLE
Alvin L. Marjama, Monterey Park, Calif.
Application May 9, 1949, Serial No. 92,110
10 Claims. (Cl. 51—11)



3. A sand blast nozzle comprising a tubular body having a forward portion containing a chamber through the center of which a high velocity air and sand stream is projected from the body, said body having a generally transversely extending wall at the forward end of the chamber containing an opening of a transverse dimension smaller than said chamber through which the stream discharges, said chamber having an outer portion extending about the path of said stream and located directly to the rear of said wall, said outer portion of the chamber being exposed to the stream along the major portion of its extent thereabout, and means for introducing liquid into said outer portion of the chamber so that it surrounds the air and sand stream and is entrained in the outer portion thereof, the path of the combined air, sand and liquid stream being unobstructed to radial expansion of the stream substantially directly beyond said chamber to a dimension substantially greater than said opening, and being then unobstructed to delivery of the stream onto a work surface without substantial constriction from said expanded condition.

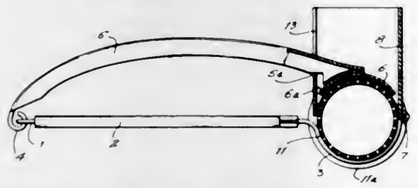
2,587,185
MULTIPLE PUNCH
Allan O. Marsh, Los Angeles, Calif.
Application September 17, 1946, Serial No. 697,504
1 Claim. (Cl. 164—91)

In a punch construction of the character described, an operating rod having an actuating handle, a triangularly shaped longitudinally extending grooved portion in said rod, a punch head, said punch head having a bore therethrough, a punch rod mounted in said bore, said punch rod having formed thereon a pair of spaced shoulders, said spaced shoulders being spaced by two converging conical sections a spring recessed within said head and having ne of its ends abutting said head and the other one of its ends abutting one of said shoulders, said grooved portion cooperating with the other one of said shoulders in all angular positions of said



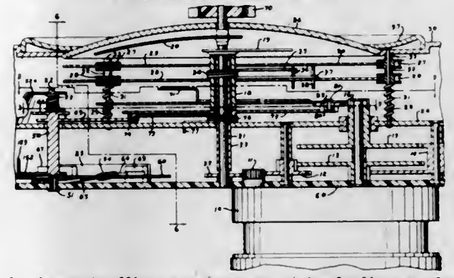
rod and encompassing the same to confine said other shoulder within said grooved portion, said rod being journaled in said punch head, the upper surface of said other annular shoulder being in a horizontal plane and having its peripheral edge in line contact with an upwardly inclined plane face of said triangularly shaped grooved portion, actuation of said handle resulting in rotation of said rod about its axis, whereby due to said line contact, the punch rod is relatively free to rotate about its axis simultaneously with its resulting longitudinal movement.

2,587,186
HOUSEHOLD GRATER OPERATING BY MEANS OF A DRUM
Jean Mantelet, Bagnolet, France, assignor, by mesne assignments, to Le Moulin-Legumes Corporation, Wilmington, Del., a corporation of Delaware
Application November 24, 1947, Serial No. 787,835
In Morocco September 13, 1945
Section 7, Public Law 690, August 8, 1946
Patent expires September 13, 1965
8 Claims. (Cl. 146—177)



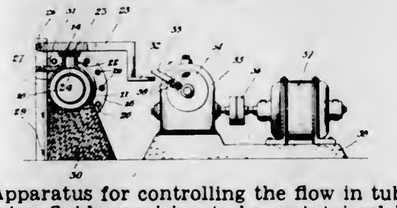
1. A household grater comprising in combination grater handle means; a grater drum; supporting means arranged at one end of said grater handle means freely turnably and freely removably supporting said grater drum when the same is placed on said supporting means; a turning member secured to said grater drum for turning the same; a grater casing having an inlet and an outlet opening for the substances to be grated; pivoting means attaching said grater casing to one of said means freely tiltably between operative position with its outlet opening closed by said grater drum freely removably supported by said supporting means, thus preventing removal of said grater drum, and inoperative position tilted away from said grater drum so as to permit free removal of said grater drum from said supporting means; and a pushing member turnably pivoted to said grater handle means entering said inlet opening of said freely tiltable grater casing when the same is in operative position and thereby holding said freely tiltable grater casing in operative position preventing unintentional removal of said grater drum.

2,587,187
DOMESTIC APPLIANCE
Francis H. McCormick, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application April 28, 1949, Serial No. 90,092
17 Claims. (Cl. 161—1)



1. A controlling arrangement including a clock having a shaft means rotated in accordance with the hour hand of the clock, a first indicator means for indicating the termination of a timed period controlled by said clock, a second indicator means for indicating the beginning of such a timed period, indicator setting means connecting directly with said first and second connector means for setting said first and second indicator means to desired positions, a control device, a power means for operating the control device, means cooperating with said shaft means and said first and second indicator means for releasing said power means at times corresponding to the setting of the second and first indicator means to operate said control device to initiate and terminate such a timed period, said indicator setting means being provided with directly connected means effective directly coincidental to the spacing of the beginning and terminating points of the first and second indicator means for energizing said power means.

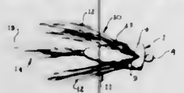
2,587,188
APPARATUS FOR REGULATING THE FLOW OF THIXOTROPIC COLLOIDS AND THE LIKE
William Evans McFadden, Flin Flon, Manitoba, Canada, assignor to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada
Application October 18, 1945, Serial No. 622,995
4 Claims. (Cl. 138—45)



1. Apparatus for controlling the flow in tubing conveying fluids requiring to be maintained in a state of agitation, comprising a flexible tube adapted for connection in said tubing, a housing enclosing at least a portion of the flexible tube and defining therewith a sealed chamber surrounding the same, means for admitting a separate fluid under pressure to such chamber, and

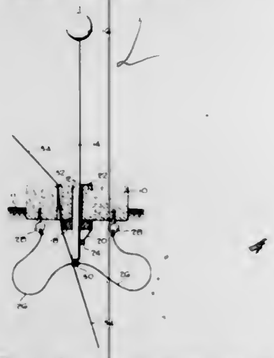
means for causing the pressure exerted by such separate fluid on the flexible tube to increase and decrease cyclically to decrease the cross-section of the flexible tube, and therefore allow it to increase cyclically.

2,587,189
ARTIFICIAL BAIT
Howard L. McFarland, Beaumont, Tex., assignor to C. K. Farr and J. W. Turek, Beaumont, Tex.
Application September 25, 1947, Serial No. 776,024
1 Claim. (Cl. 43—42.27)



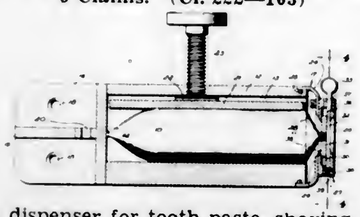
A fish lure comprising a tapered body having a substantially flat bottom and a substantially flat front end, the remaining sides of said body converging rearwardly to define an apex, a hook extending longitudinally through said body having an eye extending outwardly at the front end thereof, said hook having a shank extending rearwardly of the apex and an upright bight portion in the medial longitudinal plane of said body perpendicular to its bottom, the forward portion of said body immediately forward of said hook being provided with divergent slots, each slot being in a plane at an angle other than a right angle to the bottom and the front face, said slots being symmetrically divergent with respect to said medial plane, side hair hackles adhesively secured in said slots and extending rearwardly thereof and laterally of the hook bight, each of said hackles having its end within said slots defining a flat formation, and said hackles each having an appreciable portion outside said slot and adjacent the body glued together, defining stiff flat zones of said hackles emanating from said slot.

2,587,190
FISHING FLOAT
Arthur E. Merriweather, Los Angeles, Calif.
Application May 3, 1949, Serial No. 91,067
1 Claim. (Cl. 43—17)



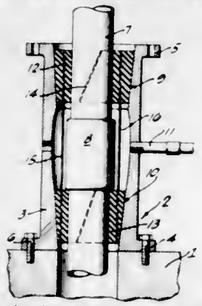
In a fishing float the combination of a float member, a signal member movably mounted in said float member, said float having a vertical passageway through it, a fishing line threaded through said passageway and fixedly attached to said signal member at a point below the bottom of the float, an elastic band connecting said float and signal members so that movement of the said members apart will stretch said elastic band, and a stop member mounted on said signal member below said float member.

2,587,191
DISPENSER FOR PRODUCTS PACKAGED IN COLLAPSIBLE TUBES
Roland A. Merullo, Revere, Mass.
Application March 24, 1948, Serial No. 16,818
9 Claims. (Cl. 222—103)



1. A dispenser for tooth paste, shaving cream, or a like product packaged in a collapsible tube having a threaded outlet tip, said dispenser comprising a housing having a tube receiving chamber open at one end, means operable by the user and attached to said housing to exert collapsing pressure on a tube in said chamber, and means to close the open end of said chamber, said means including a support connected to said housing adjacent the open end of said chamber, a member having a threaded aperture for attachment to said tip end and a connection between said member and said support to enable said member to move transversely relative thereto to enable said tip to move along a pathway as its tube is collapsed by said means, and a gate to move relative to said member between a first position in which it blocks the flow of tube contents into a second position in which said flow is unblocked.

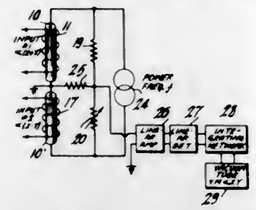
2,587,192
LEAKAGE TESTER FOR THREADED PIPE COUPLINGS
Herman Meyer, Long Beach, Calif.
Application July 6, 1948, Serial No. 37,247
4 Claims. (Cl. 73—46)



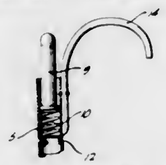
1. A leakage tester for threaded pipe couplings comprising a tubular housing, spaced seats in said housing, an annular packing encircling the pipe adapted to rest on each of said seats, said housing, seats and packing being vertically arranged, said seats being coaxial with the pipe to be tested, and a pressure conduit extending into said housing between said seats, and slips in said housing below the packing and engageable with the pipe, and straps attached to said slips and each of said packings.

2,587,193
COMPUTING DEVICE
William A. Miller, Port Jefferson Station, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1947, Serial No. 777,046
9 Claims. (Cl. 235—61)

8. In a device for producing a voltage proportional to the value of the product of x and y, the combination of a bridge circuit including a pair of elements having a resistance which changes in response to the application of a magnetic field, means to generate pulses having an amplitude dependent on the value of $(x+y)$, means to apply said pulses to one of said pair of elements as a magnetic field proportional thereto, means to generate pulses having an amplitude dependent on the value of $(x-y)$ and means to apply said last named pulses to the other of said elements as a magnetic field proportional thereto, a linear detector coupled to the output of said bridge network to be responsive thereto, an integrating network coupled to said linear detector output, and means to indicate the product of x and y connected to derive an output from said integrating network.



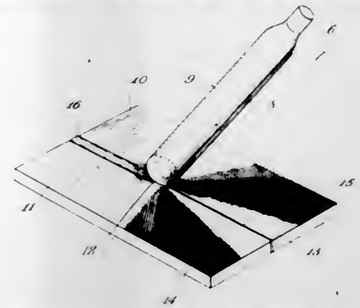
2,587,194
AUXILIARY SEAT FOR VEHICLES AND THE LIKE
Clarence Everett Mitchell, Garden Grove, Calif.
Application September 1, 1950, Serial No. 182,840
7 Claims. (Cl. 155—182)



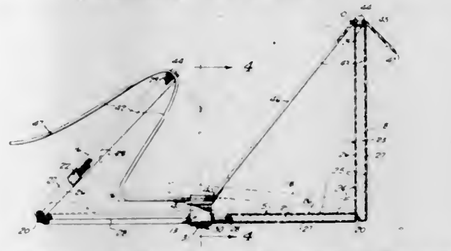
1. An auxiliary seat for vehicles, and the like, comprising a frame, including a horizontal head member, a horizontal seat member, both of said members extending transversely of the auxiliary seat, a fabric cover attached at the upper end to the transverse head member, and at the lower end to the seat member, and means in said frame resiliently supporting the upper transverse head member.

2,587,195
METHOD OF ELECTRIC ARC WELDING
Willem Moerman, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 17, 1949, Serial No. 76,928
In the Netherlands April 17, 1948
1 Claim. (Cl. 219—10)

A method of electric arc-welding with a touch welding rod having a core and a coating thereon, said coating having a substantially longitudinal slot therein which does not extend inwardly to said core thereof, said coating melting more rapidly than said core during welding to form a crater at the arc end; which comprises the steps of keeping an edge of the coating of the touch welding rod in abutment with the metallic work-piece to be welded while initiating a welding arc between said rod and work-piece, with said edge of said coating in continuous abutment with said work-piece and then moving said rod along the path of the weld to be made in the work-piece, with said edge of said coating in continuous abutment with said work-piece and at an angle thereto, with the portion of the slot in the region of the abutment between said rod and said work-piece facing said welding path and said arc continuously laterally confined in said crater, whereby light from said arc escapes via said groove to illuminate said work-piece in the region thereof where the weld is yet to be made.

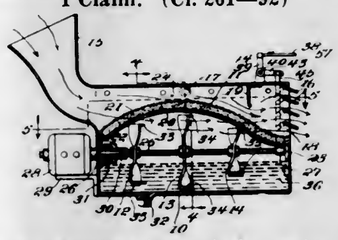


2,587,196
COLLAPSIBLE REST FOR THE EXTREMITIES AND BODIES OF HUMANS
Lola K. Morecroft, Santa Clara, Calif.
Application August 10, 1949, Serial No. 109,490
9 Claims. (Cl. 5—327)



1. A rest comprising a base having a pair of arms hingedly secured thereto in spaced relation, a stretch band having its mid portion secured to said base midway between said arms, fastening means on said stretch band for securing the same to the extremities of said arms, and securing means at the free ends of said stretch band for facilitating tautening of said stretch band relative to said base and arms in the form of an inverted W.

2,587,197
COOLING SYSTEM FOR MOTOR VEHICLES
Canellen K. Mousel, Edison, Nebr.
Application April 5, 1948, Serial No. 19,068
1 Claim. (Cl. 261—92)



In an air conditioning unit for motor vehicles, the combination which comprises a rectangular

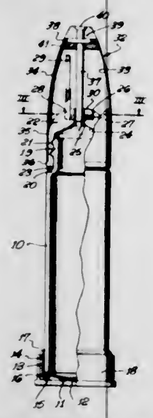
shape substantially enclosed box-like housing having a water compartment in the lower part, an air inlet connection in one end of the housing and an outlet opening in the opposite end, a horizontally disposed baffle having an upwardly bowed intermediate section extended across the said housing positioned substantially midway of the height thereof, said baffle including fibrous material positioned between wire mesh and the high point of the said upwardly bowed section thereof being spaced from the upper surface of the housing providing a constricted area at a point midway between the inlet connection and outlet opening whereby air passing through the housing is forced through the said baffle, a transverse baffle extended downwardly from the upper surface of the housing and positioned between the high point of the baffle and outlet opening, a longitudinally disposed shaft having impellers thereon journaled in the housing and positioned below the said horizontally disposed baffle, means rotating the said shaft, a filling tube extended from the housing to a point in the vehicle, and means regulating the area of the said outlet opening of the housing.

2,587,198

COMBINED BRUSH APPLICATOR MOUNTING AND CLOSURE SEALING MEANS

Charles Allen Mureau, Sherman Oaks, Calif.

Application August 30, 1949, Serial No. 113,179
11 Claims. (Cl. 15—136)



11. A combined container and applicator for nail lacquer and the like comprising: an open-ended, rigid, hollow container portion; a resilient diaphragm connected to the bottom end of the container portion; a container cap carried by the top end of the container portion, said cap being provided with a port in communication with the interior of the container portion; an applicator brush carried by the cap adjacent to the port; means, including a sealing ring, surrounding the port and securing said brush; and a cover for the cap to enclose the brush and including a sealing rod cooperable with the sealing ring for sealing the port.

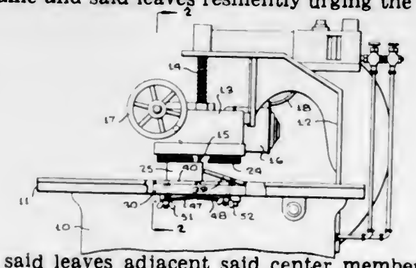
2,587,199

RIP GAUGE ASSEMBLY FOR RIP SAW

Albert V. Neal, High Point, N. C.

Application January 23, 1951, Serial No. 207,350
5 Claims. (Cl. 143—168)

5. In combination with a saw including a circular saw blade, means supporting and driving said blade, and a saw table operatively positioned relative to said saw blade and having therein a rectangular opening extending from one edge of the table to a location between said one edge of the table and said saw blade with its longitudinal center line substantially in the plane of rotation of the saw blade, and a base supporting said table, a rip gauge assembly disposed in the opening in said table and comprising a rectangular frame structure of substantially the same length and breadth as said opening and having a center member extending longitudinally thereof substantially midway between and parallel to its sides, means connecting said frame to said base to secure the rip gauge in said opening in the table, rectangular leaves disposed on said frame one at each side of said center member and extending from one end to the other end of said frame and from said center member to the corresponding sides of the frame, said leaves being supported by said frame substantially flush with the top surface of said table, means hingedly connecting said frame at the sides thereof to said leaves at the adjacent longitudinal edges of the latter, resilient means acting between said frame and said leaves resiliently urging the edges



of said leaves adjacent said center member upwardly from the latter and above the top surface of said table, and adjustable means connected between said frame and said leaves limiting the movement of said leaves by said resilient means, either of said leaves being depressible by a work piece positioned thereon to a position substantially flush with the top surface of said table leaving the other leaf in upraised position so that its edge adjacent said center member provides a guide for moving the work piece past the saw blade, each of said leaves having a leg secured at one end to the under side thereof and projecting downwardly therefrom and said resilient means comprising tension springs connected respectively between the distal ends of said legs and said frame center member, said frame including an end member having a longitudinally extending slot therein and said adjustable means limiting the movements of said leaves by said resilient means comprising bolts secured one to each of said leaves and extending from said leaves through the slot in said frame end member and nuts threaded onto said bolts at the side of said frame end member remote from said leaves to provide adjustable limit stops for upward movement of said leaves.

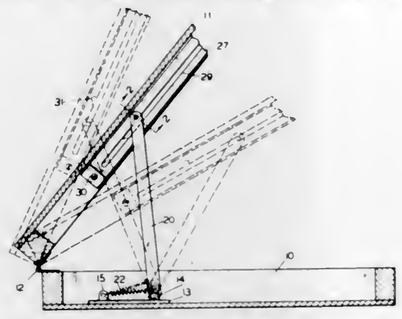
2,587,200

HINGE LATCH

Ralph K. Nottingham, Portland, Oreg., assignor to Phillips Tutch-Latch Company, a corporation of Delaware

Application June 16, 1947, Serial No. 754,792
7 Claims. (Cl. 217—60)

1. A latching device for holding a horizontally hinged lid member in open latched relation to a member on which it is hinged, comprising a pivot pin mounted on one of said members parallel to its hinged end, a link pivotally and slidably engaged with said pivot pin, said link having a generally longitudinal, relatively short slot therethrough at one end in which said pivot pin is engaged, a spiral spring tensioned between said one member and said link, said spiral spring being attached to said link at a point between the ends of said slot and extending toward the hinged end of said one member in a transverse direction with respect to said slot when the lid is open, guiding means on the other of said members extending normal to its hinged end and slidably and pivotally guiding the opposite end of said link, said opposite end of the link and said other member having cooperating holding means



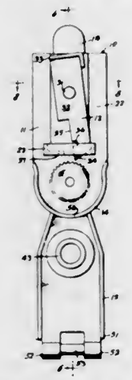
thereon relatively movable into engagement with each other by said spring when said pivot pin is at the other end of said slot, means to move said link longitudinally to engage said pivot pin with the outer end of said slot when said lid is raised beyond the latched position whereby said spring may move the opposite end of said link in a direction to cause engagement of said holding means, subsequent slight lowering of said lid causing opposite longitudinal movement of said link to engage said pivot pin with the inner end of said slot thus relatively positioning said spring to move the opposite end of said link in a direction to separate said holding means upon subsequent slight raising of said lid.

2,587,201

CAN OPENER

Adolph Olevin, New York, N. Y.

Application April 27, 1945, Serial No. 590,595
3 Claims. (Cl. 30—15)



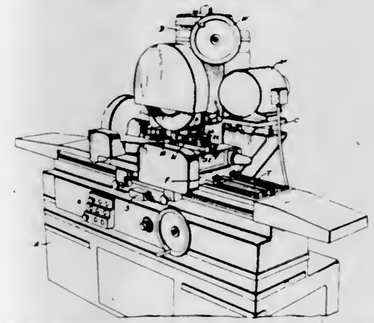
1. In a can opener: a body of elongated shape having a channel therein; a slide member longitudinally shiftable within said channel; said body, within said channel, having an opening; a blade member; means pivotally connecting said blade member to said slide member; said means extending through the opening in the body; a U-shaped guard connected to said body and having a concavity within which a portion of the cutting member is shiftably disposed; said guard having a ledge; said cutting member having a notch within which said ledge is receivable; and means to shift the slidable member longtudinally of the body; said cutting member being laterally shiftable by the action of the can against the cutting member.

2,587,202

HOBBING GRINDER AND WHEEL DRESSER

Joseph J. Osplack, Detroit, Mich., assignor to Vinco Corporation, Detroit, Mich., a corporation of Michigan

Application March 5, 1947, Serial No. 732,521
11 Claims. (Cl. 51—95)



1. A machine tool including, in combination, a base, a horizontally movable table carried by said base, a vertical column affixed to said base extending higher than said table, a spindle bearing vertically slidably mounted in said column, a spindle journalled in said bearing extending horizontally over said table generally perpendicular to the direction of movement thereof, a motor, a power transmission from said motor to said spindle, a grinding wheel having a helically-threaded peripheral surface on the end of said spindle above said table, a frame affixed to said table beneath said wheel, a generally horizontal rotating arm journalled about a vertical axis in and positioned above said frame, at least one wheel dressing tool carried on the upper side of said arm, synchronizing drive means from said spindle to said arm, a work holder rotating about a horizontal axis mounted on and positioned above said frame, and synchronizing drive means from said spindle to said work holder, the several elements recited being so positioned and arranged that by movement of said table dressing contact between said wheel and said tool or grinding contact between said wheel and work in said holder at the same point on the periphery of said wheel can be effected at will.

2,587,203

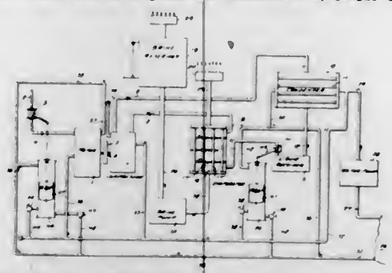
SAFETY DEVICE FOR REFRIGERATION MACHINES AND THE LIKE

Theofanis S. Papadopoulos, New York, N. Y.

Application January 7, 1948, Serial No. 927
3 Claims. (Cl. 62—4)

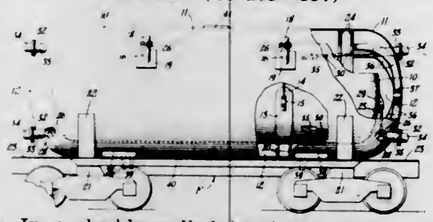
1. In a refrigeration system having a compressor for refrigerant, a motor attached to said compressor, a jacket for cooling liquid on said compressor, means for cutting off the source of power from said motor, a condenser for refrigerant connected to said compressor, a receiver for liq-

uid refrigerant connected to said condenser, and an evaporator connected to said receiver and a valve in said connection, said compressor, condenser, receiver and evaporator constituting a closed system, a single source of cooling liquid for said condenser and compressor and means for circulating the same around said condenser and compressor to remove heat therefrom and an exit pipe for said liquid, the improvement which comprises a pair of chambers, each cham-



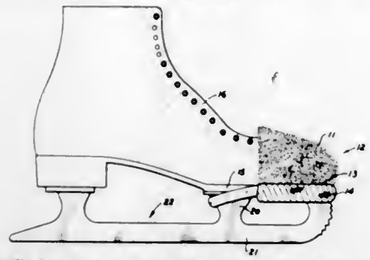
ber having a float therein, a connection from said source of cooling liquid to each of said chambers and a connection from each of said chambers to the exit pipe for said cooling liquid, said floats being buoyed up while said liquid flows through said chambers, a mechanical connection from one of said floats to said cut-off of said motor, a mechanical connection from said other float to said valve, whereby on failure of said source of cooling liquid said floats drop cutting off said power and closing said valve.

2,587,204
RAILROAD TANK CAR
George W. Patch, Jr., White Plains, N. Y., and James G. Van Vleet, Milwaukee, Wis., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application May 21, 1946, Serial No. 671,230
4 Claims. (Cl. 105—357)



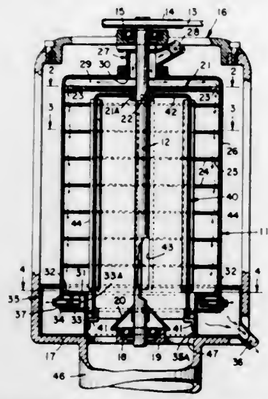
1. In a double-walled insulated tank vehicle including an elongated inner vessel for holding a liquefied gas, an outer shell surrounding and spaced from said inner vessel to provide an intervening insulation space containing an insulating medium which provides substantially no support for the inner vessel, and a vehicle frame having main bolsters near each end; the combination therewith of shell supports secured near each end to said outer shell and to said vehicle frame substantially directly over said main bolsters, said shell supports being constructed to provide substantially the entire vertical support for said shell and contents; inner vessel suspension means anchored directly to upper portions of the wall of said outer shell at two spaced transverse planes located between said shell supports; and reinforcing rings for the shell at said planes, there being no connection between the outer shell and said vehicle frame at the region of said suspension means and reinforcing rings whereby the inner vessel is supported vertically solely from the outer shell.

2,587,205
SKATING SHOE MUFF
Elizabeth Paster, Detroit, Mich.
Application January 11, 1951, Serial No. 205,483
1 Claim. (Cl. 36—72)



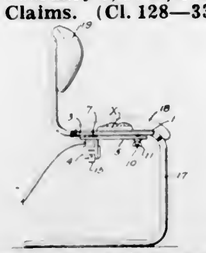
A muff for enclosing the forward toe portion of a skate shoe, the lower edge of said muff having a hem extending around the same to engage the under side of the sole, an elastic draw member in said hem, the ends of said draw member terminating in separable fastener means, said draw member forming means whereby the hem is contracted into close engagement with the under side of the shoe sole when the draw member is stretched at both ends and the separable fastener attached around a portion of the skate.

2,587,206
CENTRIFUGAL SEPARATOR
John R. Pattinson, Hutchinson, Kans.
Application February 27, 1950, Serial No. 146,580
5 Claims. (Cl. 233—21)



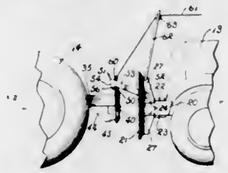
1. A centrifugal separator adapted particularly for separating a mixture of suspended solid particles in a liquid of greater specific gravity than said particles comprising an inverted cylindrical bowl mounted for rotation on a vertical shaft, a distributor disk attached at its periphery to said bowl near the top thereof, said disk being provided with apertures near the inside wall of said bowl, and being attached concentrically on said shaft, said bowl having stabilizer rings disposed horizontally on its inside surface at different elevations, said rings extending inwardly and being provided with a multiplicity of holes in each ring adjacent the bowl surface, said bowl at its lower edge having a closed annular channel adapted to collect the liquid reaching the said lower edge, said channel having entrance ports on its upper surface, and discharge tubes for said channel, said discharge tubes being disposed radially and extending into the channel; a stationary cylindrical member disposed concentrically about said shaft within said bowl including diverting means disposed adjacent the inner edges of said stabilizer rings and adapted to collect the material discharged at the inner edges of said stabilizer rings; and means for feeding the mixture into the upper portion of said bowl.

2,587,207
THERAPEUTIC VIBRATOR
Dorothy M. Peterson, San Francisco, Calif.
Application February 3, 1948, Serial No. 6,037
5 Claims. (Cl. 128—33)



1. A therapeutic apparatus comprising a base member, a vibratable modulator member for providing control of rate of vibration, an off-balance motor mounted on said modulator member, means securing said modulator member to said base member at one portion of said modulator member, resilient means interposed between the inner side of said modulator member and said base member at said one portion, an opposite portion of said modulator member being spaced from said base member, adjustable connecting means at said opposite portion and connected to said base member, said connecting means having an adjustable member, and resilient means associated with said adjustable member and said modulator member whereby said adjustable connecting means and said latter resilient means provide a controllable damper for said modulator member.

2,587,208
VEHICLE COUPLING
Louis L. Peterson, Dos Palos, Calif.
Application October 13, 1950, Serial No. 189,950
3 Claims. (Cl. 280—33.13)



2. In a train of tractor-scraper units in which each unit consists of a tractor in towing relation to a scraper, the combination of a socket-shaped bumper plate mounted in forwardly disposed position on each tractor and having a slot formed substantially vertically therein, a convex bumper plate mounted in rearwardly disposed position on each scraper adapted loosely to nest within a socket-shaped bumper plate of a following tractor, each convex bumper plate having a substantially horizontal upper edge, and a hook pivotally mounted on each tractor rearwardly of said tractor's respective bumper plate and forwardly extended through the slot thereof, the hooks having rearwardly and downwardly slanted extended ends forwardly adjacent to rearwardly disposed shoulder formations and substantially straight shank portions intermediate the shoulder formations and the respective pivotal mountings of the hooks, the pivotal mounting of each hook on each tractor being lower than the upper edge of the convex bumper plate of the respective tractor's scraper, and the bottom of the slots in the socket-shaped bumper plates limiting downward pivotal movement of their respective hooks to forwardly inclined positions with their extended ends at substantially the elevation of the upper edges of the concave bumper plates.

2,587,209
PRODUCTION OF ACRYLAMIDES
Benjamin Phillips and Paul S. Starcher, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application August 1, 1949, Serial No. 108,047
10 Claims. (Cl. 260—561)

1. A vapor phase process for making an acrylamide which comprises passing a beta-(lower alkoxy) propionamide of the formula

$$ROCH_2CHR^1CONH_2$$

in which R is a lower alkyl group and R^1 is of the group consisting of hydrogen and a lower alkyl group over lithium phosphate as a catalyst maintained at a temperature of 250° to 500° C.

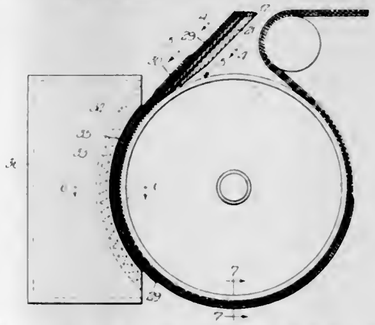
2,587,210
PRODUCTION OF ACRYLAMIDES
Benjamin Phillips and Paul S. Starcher, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application August 1, 1949, Serial No. 108,048
10 Claims. (Cl. 260—561)

1. A vapor phase process for making an acrylamide which comprises passing a beta-(lower alkoxy) propionamide of the formula

$$ROCH_2CHR^1CONH_2$$

in which R is a lower alkyl group and R^1 is of the group consisting of hydrogen and a lower alkyl group over titania as a catalyst maintained at a temperature of 225° to 400° C.

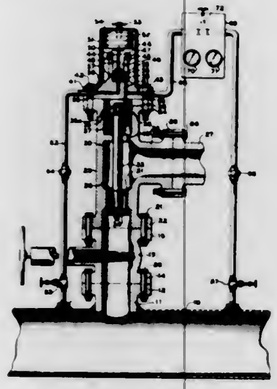
2,587,211
TUBE FORMER
Thomas E. Piazze, Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware
Application August 17, 1948, Serial No. 44,767
11 Claims. (Cl. 154—1.8)



1. A method of continuously forming a tube from a web of heat sealable material comprising

folding the material to bring the marginal portions thereof into overlapping seam forming relation, passing the folded material around a curved surface while maintaining the marginal portions in overlapped relation to place said marginal portions under sufficient longitudinal tension to hold the same in surface engaging relation, and subjecting the overlapped marginal portions to radiant heat to seal the same.

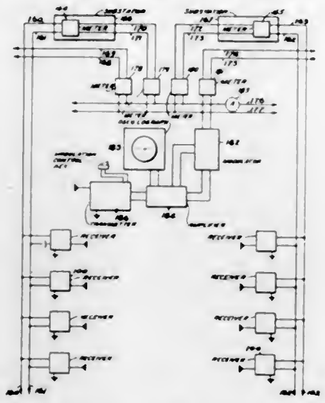
2,587,212
RELIEF VALVE
Theodore Placette, San Marcos, Tex.
Application April 20, 1946, Serial No. 663,677
1 Claim. (Cl. 137—53)



The combination comprising a first fluid conduit, a second conduit in communication with said first conduit, a shut off valve having an inlet and an outlet with said inlet in communication with said second conduit, a pilot operated main valve attached to said shut off valve, the inlet of said main valve being in communication with the outlet of said shut off valve, said main valve having an outlet, a main valve head positioned between the inlet and outlet of said main valve for controlling the flow of fluid through said main valve, a first auxiliary fluid conduit providing communication between said pilot valve and said first fluid conduit for controlling the main valve head in accordance with the pressure in said first fluid conduit, a first auxiliary shut off valve in said first auxiliary conduit for shutting off the flow of fluid therethrough for rendering said pressure control inoperative, a second auxiliary conduit providing communication between said first fluid conduit and said pilot valve for operating said main valve head when fluid pressure passes therethrough, and a second auxiliary shut off valve for shutting off the flow of fluid through said second auxiliary conduit, said first and second auxiliary conduits having couplings positioned between said auxiliary shut off valves and said pilot valve.

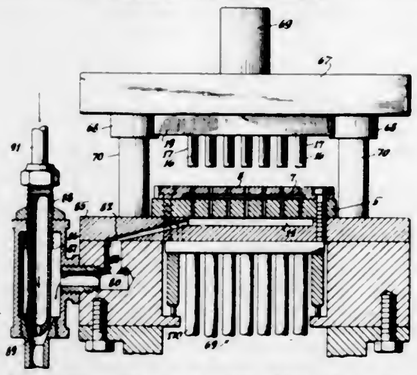
2,587,213
TELEMETERING DEVICE
Herbert S. Polin, Rio de Janeiro, Brazil, assignor to Audience Computing System, Inc., New York, N. Y., a corporation of New York
Application March 24, 1947, Serial No. 736,705
8 Claims. (Cl. 250—2)

1. In a telemetering system, transmitting means propagating radiant energy at a fixed carrier frequency, means coupled to said transmitting means for modulating said fixed carrier frequency with a predetermined signal frequency, a plurality of receiving means adjustably tunable to said carrier frequency, an electrical network, each of said plurality of receiving means including an impedance and switching means coupled to said impedance and to said electrical network, said switching means including means responsive to said signal frequency and coupling said impedance to said network when said carrier frequency is modulated by said signal frequency, indicating means coupled to said electrical network, said indicating means having a



datum indication, variable bucking load means coupled to said indicating means and to said electrical network, said bucking load means opposing electrical variations in said electrical network to maintain said indicating means at its datum indication when said carrier frequency is not modulated by said signal frequency, said bucking means including means disconnecting said bucking means from said electrical network when said carrier frequency is modulated by said signal frequency.

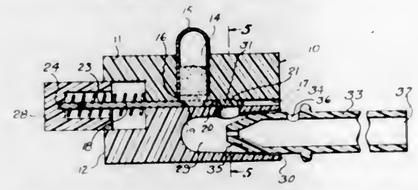
2,587,214
MACHINE FOR THE MANUFACTURE OF SPANGLES AND SIMILAR ARTICLES
Joseph G. Polk, Freeport, N. Y.; Helen R. Polk administratrix of said Joseph G. Polk, deceased
Application September 6, 1947, Serial No. 772,499
7 Claims. (Cl. 164—13)



3. In a machine of the class described, the combination of a reciprocable punch, a die member adapted to cooperate with the punch in forming articles such as spangles, and means beneath said die member adapted to receive said articles, said receiving means comprising a plurality of

hollow members, a mounting member secured to the hollow members adjacent upper portions thereof with a portion of the mounting member extending laterally from the hollow members, means for supporting said mounting member under said die member, a plurality of apertured plunger-like members substantially co-extensive with and extending into said hollow members, portions of said plunger-like members normally frictionally engaging the interior of said hollow members to yieldably retain the apertured members in position, and a mounting member secured to lower portions of said apertured members.

2,587,215
INHALATOR
Frank P. Priestly, Chicago, Ill.
Application April 27, 1949, Serial No. 89,851
18 Claims. (Cl. 128—206)



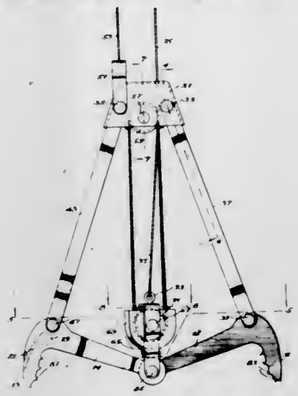
1. An inhaler for therapeutic powder comprising a body, a supply chamber and a mixing chamber formed in said body, a slide operative between said supply chamber and said mixing chamber to carry a small amount of said powder from said supply chamber to said mixing chamber, a tube connected into said mixing chamber and extending outwardly therefrom, and air passages into said mixing chamber for the induction of air.

2,587,216
PROCESS FOR COATING ESPECIALLY METALLIC ARTICLES WITH AN ANCIENT GREEN PATINA
Mario Quadrio, Como, Italy
No Drawing. Application May 19, 1950, Serial No. 163,091. In Italy May 27, 1949
6 Claims. (Cl. 148—6.24)

1. A process for forming an ancient green patina on objects of bronze and brass comprising subjecting the object to be treated to a first dipping in a solution of potassium sulfide, then to a second bath of sulfuric acid, drying the object and dipping it in a third bath of sal-ammoniac, again drying the object in the air, and then subjecting the object to a repeated moistening on its surface by dabbing it with an applicator wetted in the solution of sal-ammoniac, applied by operating perpendicularly to the surface, following each dabbing regularly with a drying period in the air, until on the surface there are formed, over the ancient green back-ground, stains of a malachite green shade, then fixing the patina thus obtained with a solution of shellac in alcohol, applied with an applicator, completely drying the surface, and finally, applying a protective film of transparent nitrocellulose.

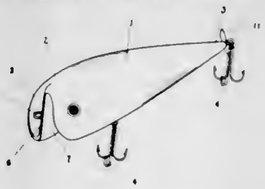
2,587,217
LIFTING DEVICE
Joseph M. Quenan, North Hornell, N. Y.
Application March 18, 1949, Serial No. 82,193
5 Claims. (Cl. 294—111)

1. A lifting device for handling articles of irregular shape such as rocks and stones embodying a rigid, unitary, hoisting head, a pair of opposed grab hooks, each formed of an upper shank portion and a relatively abruptly angular finger portion that is adapted to engage beneath and actively support the object acted upon against a lifting strain, one such finger portion consisting solely of a pair of relatively spaced prongs and the other of a single prong alined with the space between the said pair of prongs, a pivot connecting the shank portions from which the finger portions may swing toward and from each other, a pulley block supporting said



pivot, a pair of relatively spaced fixed pivots on the hoisting head, a plurality of control links depending from said last mentioned pivots, respectively, and pivotally connected at their respective lower ends to the respective grab hooks at the junction of their shank portions and their prongs, a fixed pulley on the hoisting head, means on the latter for attaching the free end of a flexible hoisting line, and means on the first mentioned pulley block for attaching the terminal of a flexible control line running over both pulleys.

2,587,218
FISHING LURE
Perry Hubert Rainey, Opa-Locka, Fla.
Application June 16, 1948, Serial No. 33,405
2 Claims. (Cl. 43—42.48)



2. In a fishing lure in dynamic unbalance about the longitudinal axis thereof, the combination of an elongated body simulating the appearance of a fish and terminating in the frontal head portion thereof in a central and substantially upright fin formed integrally therewith and extending forwardly therefrom, said fin and adjacent parts of the front of the head portion defining a pair of channels and said fin defining a partition between said channels, one of said channels inclining rearwardly and upwardly and vanishing into the top periphery of said body and the other channel inclining rearwardly and downwardly and vanishing into the bottom periphery of said body, each of said channels forming a single groove in said head portion on its respective side

of said fin, a plurality of fish hooks carried by said body, and means to attach said body to a fishing line.

2,587,219
PUSH-PULL SIGNALING SYSTEM
Michael Rettinger, Encino, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Original application May 31, 1946, Serial No. 673,389. Divided and this application January 28, 1950, Serial No. 140,979
6 Claims. (Cl. 179—100.3)



1. A signal transmission system comprising a source of white light, means for producing two complete spectrums of said light, means for modulating said spectrums by varying the position thereof in accordance with the amplitude and frequency of a signal to be transmitted, a pair of photoelectric cells positioned to receive waves of the same wave length from each of said spectrums at zero position of said modulating means, one of said cells being positioned to receive one end of one spectrum when the other of said cells receives the other end of said other spectrum, a pair of vacuum tubes, and means for connecting said cells to said vacuum tubes in a push-pull relationship.

2,587,220
TELEPHONE MEMORANDUM DEVICE OR HOLDER
Andrew A. Ribaudo and James Orilia, Brooklyn, N. Y.
Application April 13, 1948, Serial No. 20,777
3 Claims. (Cl. 45—.5)



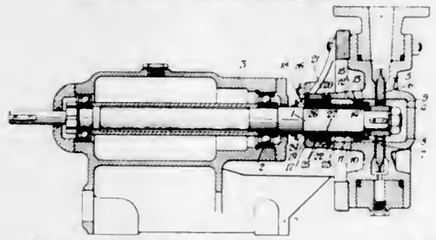
1. In a memorandum device for attachment to the rotatable dial disc of a dial telephone, said dial disc being provided with a concentric aperture, a support positioned in aligned relation with respect to said aperture and detachably connected to said disc, said support comprising a backing plate, gripping means carried by said backing plate and frictionally engaging the bounding wall of said aperture for positioning said support with respect to said dial disc, an arcuate wall extending partially around said backing plate and having one end fixedly secured thereto to thereby form a channelway for the reception of a memorandum pad, retaining means extending inwardly from the other end of said arcuate wall and secured thereto, a follower plate for supporting said memorandum pad mounted within said channelway for movement toward and away from said retaining means, means carried by said backing plate intermediate the ends of said arcuate wall and operatively engaging said follower plate for guiding the latter in its path of sliding movement, and resilient means arranged intermediate said follower and backing plates resiliently urging said follower plate toward said retaining means, and a memorandum pad of circular shape disposed in said channel-way between said follower plate and said retaining means and held by said resilient means against said retaining means, the ends of said arcuate wall being spaced apart a distance sufficient for the passage of sheets of said memorandum pad therebetween.

2,587,221
PREGNANCY TEST
Garwood C. Richardson, Chicago, and Gustav W. Rapp, Glen Ellyn, Ill., assignors to Chicago Endocrine Research Company, Chicago, Ill., a corporation of Illinois
Application March 16, 1949, Serial No. 81,828
4 Claims. (Cl. 23—230)



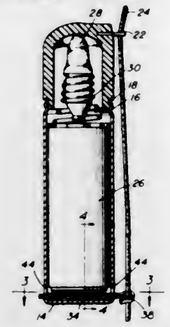
1. In a method for determining pregnancy the steps which comprise, alkalinizing female urine, extracting the alkaline urine with a water immiscible organic solvent, separating the aqueous phase of the extracted urine from the organic solvent extract, acidifying the extracted urine, adding 2,4-dinitrophenylhydrazine to the acidified urine, and alkalinizing the resulting reaction mixture.

2,587,222
SEAL BETWEEN RELATIVELY ROTATABLE PARTS
Wilhelm Frederick Karl Riester, London, England, assignor to Sigmund Pumps Limited, Gateshead, England, a company of Great Britain
Application April 8, 1949, Serial No. 86,214
In Great Britain April 8, 1948
3 Claims. (Cl. 286—11.14)



1. Means for providing a seal between a shaft and housing, comprising a first annular sealing surface on the shaft, a sleeve surrounding the shaft with clearance, means anchoring said sleeve against rotation relative to the housing, a second annular sealing surface on one end of the sleeve making rubbing contact with the first annular sealing surface on the shaft, a ring fixed within the housing and surrounding the sleeve and making substantially line contact with the surface thereof and at least one packing ring between the exterior of the body portion of the sleeve and the internal wall of the housing.

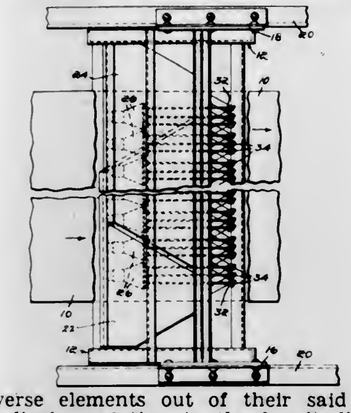
2,587,223
SIGNAL LIGHT FOR FISHING LINES
Allen D. Robinson, Kenosha, Wis.
Application April 26, 1948, Serial No. 23,271
4 Claims. (Cl. 43—17)



3. A signal light for fishing lines comprising a tubular casing having a closed end and an open end, aligned transverse openings in said casing adjacent the closed end, a transparent cover detachably disposed in the open end of the casing, a guide hook extending from said cover, a battery disposed in the casing, an illuminating lamp mounted in said cover, a ground contact resiliently connecting the lamp and battery, an operating lever transversely disposed in said openings adjacent the closed end of the casing, a clamp transversely disposed on said lever, and a line positioned for supporting the casing and being loosely received in said guide hook, a portion of said line being transversely disposed and clampingly held by said clamp, whereby tensioning of said line effects rotative movement of said lever about the longitudinal axis thereof thereby moving the battery upwardly for completing the electrical circuit for the lamp.

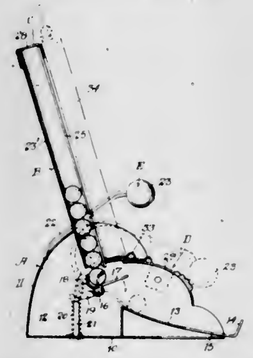
2,587,224
WEFT-STRAIGHTENING APPARATUS
John D. Robertson, Taunton, Mass.
Application December 3, 1949, Serial No. 130,892
9 Claims. (Cl. 26—51)

1. Apparatus for controlling the positions of the transverse elements relative to the longitudinal elements of a travelling woven web in which the transverse elements have a normal perpendicular relation to the longitudinal elements, said apparatus comprising, in combination, means for directing light through the web with some of the rays of light directed through the web in one direction throughout a substantial portion of the width of the web and with some of the rays of light directed through the web in a different direction throughout the same said substantial portion of the width of the web, a plurality of light sensitive devices mounted in spaced relation adjacent to the web, means mounted in the paths of and intercepting the rays of light which have passed through the web in said one direction and disposed for converging the intercepted rays on one of said light sensitive devices, means mounted in the paths of and intercepting the rays of light which have passed through the web in said different direction and disposed for converging the intercepted rays on another of said light sensitive devices, said elements of the web when in their said normal perpendicular relationship permitting substantially uniform passage of light throughout said substantial portion of the width of the web whereby the light intensity at each of said light sensitive elements is substantially equal, but any substantial displacement of said



transverse elements out of their said normal perpendicular relation to the longitudinal elements providing a shutter effect whereby the rays of light passing through the web and converged on one of the light sensitive elements are substantially reduced relative to the rays of light passing through the web and converged on the other light sensitive element, and means mounted in coacting engagement with the web and responsive to a difference of light intensity at one of said light sensitive elements relative to the other for restoring the displaced transverse elements to their said normal perpendicular relation to the longitudinal elements.

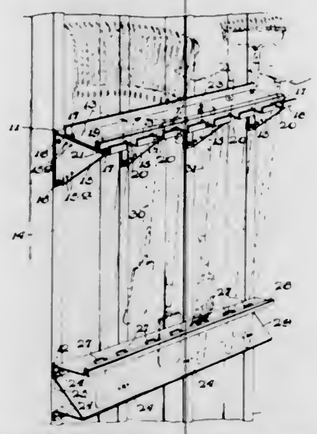
2,587,225
CIGARETTE DISPENSER
Louis Rossi, Bronx, N. Y.
Application June 14, 1949, Serial No. 99,035
1 Claim. (Cl. 312—48)



A cigarette dispensing device comprising a base member having side walls, a shaft pivotally disposed therebetween, a pin mounted on said base member in upright position, a dispensing element mounted on said shaft and adapted to turn therewith, said element having a forwardly extending fingered base plate and an upwardly and forwardly extending rear wall, an arm connected

to said element and extending rearwardly therefrom, a coil spring surrounding said pin, one end of said spring being attached to the base member and the other end being attached to the arm, said arm in normal position lying over said pin and held in engagement therewith by said spring, a magazine adapted to contain cigarettes mounted between the side walls, said magazine opening at its bottom just above the rear portion of the dispensing element, said dispensing element in the normal position having its base plate disposed in a forward and upward direction and adapted to contain a cigarette, manual means connected to said shaft and adapted to turn said shaft and dispensing element so as to tilt the dispensing plate downward and forward to discharge a cigarette therefrom and to move the rear wall of the dispensing element forward to beneath the next cigarette in the magazine to hold it therein until the dispensing element is retracted to normal position by the coil spring, the retracting effect of the coil spring being limited by means of the arm abutting the pin, the base member having a forwardly and downwardly extending ramp to receive cigarettes by gravity from the dispensing element.

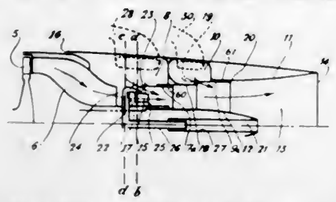
2,587,226
RANDOM TOOL RACK
Thomas E. Rodman, Glencoe, Ill.
Application July 26, 1949, Serial No. 106,922
2 Claims. (Cl. 211—60)



1. A tool rack comprising an upper shelf member having a row of notches at its outer edge and a lower shelf member having a row of apertures corresponding to said notches in combination with a downwardly projecting surface below said apertures for slidably abutting the end of the handle of a tool disposed through one of said apertures so as to urge the upper end of the handle inwardly about said aperture as a pivot.

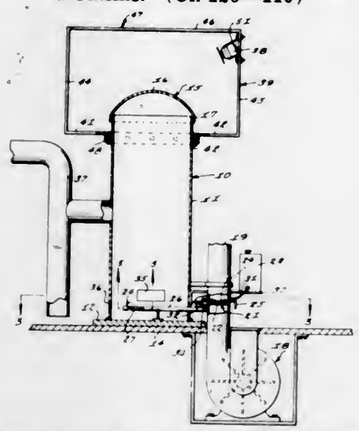
2,587,227
MEANS FOR SUCKING IN THE BOUNDARY LAYERS ON THE SURFACES OF REACTION JET FLYING MACHINES
Maurice Roy, Paris, France, assignor to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France, a company of France
Application July 7, 1948, Serial No. 37,327
In France July 21, 1947
4 Claims. (Cl. 244—74)

1. In an aircraft comprising air-exposed surfaces and a hollow nacelle having a rear aperture and a front jet production unit provided with a generally annular rear discharge exit supported within said nacelle, the combination of plurality of successive telescoped tubular sections arranged axially at the rear of said discharge exit to leave an air annular chamber between said sections and the inner wall of said nacelle, two adjacent sections out of said sections having peripheral clearance therebetween to place said annular chamber in open communication with the inner



space of said sections, and the rearmost section being diverging to said rear aperture in said nacelle, axially arranged means extending rearwardly of said annular rear discharge aperture through said sections, having an axially adjustable position, to provide a central obstruction of variable axial extent within said sections, and air conveying means for bringing air to said annular chamber from a boundary layer control point on one of said air-exposed surfaces.

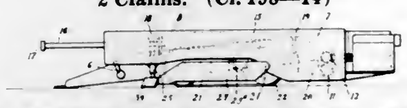
2,587,228
AIR-HEATING FURNACE WITH FORCED FLOW AIR CIRCULATING MEANS
Peter Kephart Russell, Shippensburg, Pa.
Application May 20, 1949, Serial No. 94,440
3 Claims. (Cl. 126—110)



1. An air-heating and circulating device comprising a hollow metal open-ended shell having one end adapted to be sealingly supported upon the floor of a room, a cover closing the other open end of said shell, a burner positioned within said shell adjacent said floor for converting a combustible mixture into heated products of combustion, means exteriorly of said shell and operatively connected to said burner for introducing a combustible mixture to said burner, a flue positioned exteriorly of said shell and connected to said shell intermediate the top and bottom for withdrawing the products of combustion from said shell, an upstanding loop provided with separated ends positioned adjacent to and surrounding the top of said shell and having its separated ends secured to said shell, and a rotatable fan positioned within said loop above and spaced from the top

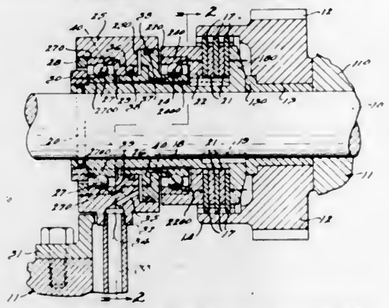
of said shell with the fan facing the top of said shell and supported on said loop for causing circulation of the heated air in the region externally of and about the cover of said shell.

2,587,229
COUNTERBALANCED SHAKER CONVEYER
Jean Sabes, Anzin, France, assignor to Jaruza, Zurich, Switzerland, a corporate body of Switzerland
Application July 23, 1948, Serial No. 40,294
In Belgium February 6, 1948
2 Claims. (Cl. 198—14)



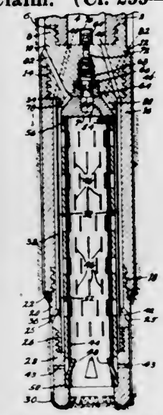
2. Apparatus for receiving, moving and discharging solid material in heaps, comprising, a frame, a pair of links pivoted at their upper ends to the frame, a second pair of links spaced from the first pair and pivoted at their upper ends to the frame, a chute pivotally supported by the lower ends of the two pairs of links, means connected to the chute for vibrating same, counterweight means movably mounted on the frame, second means connected to the counterweight means for vibrating same in phase opposition to the chute, a member movably mounted on the frame and connected to the first means and second means and imparting to one of the means a motion opposite in phase to the motion imparted to the other means, whereby the vibration of the counterweight means has a phase opposite to that of the chute and buffer means carried by the counterweight means for loosening the material to be received.

2,587,230
HYDRAULIC MEANS FOR ACTUATING FRICTIONAL DISK CLUTCHES
Theodore A. Schaad, Detroit, Mich.
Application July 27, 1946, Serial No. 686,732
1 Claim. (Cl. 121—38)



Means for applying balanced concentric axial pressure on and movement to an axially movable element on a rotatable shaft comprising a thrust type bearing mounted on the rotating shaft with the inner race thereof fixed in relationship to the said rotatable shaft, a cylinder including a slidable piston therein mounted on the outer race of the said thrust bearing, the said axially movable element on the said rotatable shaft carrying a second thrust bearing with the outer race thereof fixed in relationship thereto, a portion of the said slidable piston carried by the said cylinder on the outer race of the first mentioned thrust bearing contacting the inner race of the said second mentioned thrust bearing causing axial pressure on and movement to the said axially movable element when fluid pressure is applied to said piston within said cylinder during the rotation of the said shaft.

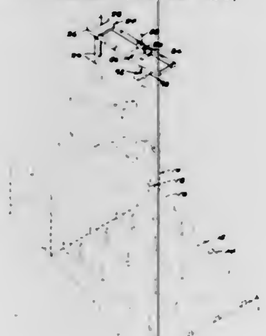
2,587,231
BORING TOOL
William Schierding, Yellow Pine, Idaho
Application August 1, 1949, Serial No. 107,969
1 Claim. (Cl. 255—72)



A boring tool comprising a head having its upper end threaded for detachable engagement with the lower end of a tubular drill rod, a cylindrical body threaded from upper and lower ends and having its upper end removably screwed upon the lower end of said head, a coupling sleeve having a threaded upper portion removably screwed into the lower end of said body and formed with an annular shoulder spaced downwardly from the body, a cutting ring fitting about said sleeve and gripped between the shoulder and the lower end of said body, a tubular drill bit having its upper end portion screwed upon the lower end of said sleeve, there being an outwardly offset surface about the sleeve spaced downwardly from the cutting ring, the bit being formed internally with an annular recess defining at its bottom an internal annular shoulder spaced upwardly from the lower end of the bit, said drill bit being formed with circumferentially spaced ports spaced from its upper and lower ends and disposed in upwardly spaced relation to the lower end of the recess, said sleeve being formed with ports extending inwardly from its offset surface, a perforated sleeve extending longitudinally through the body and the coupling sleeve and spaced from the walls of the body and the coupling sleeve and having its lower end fitting into the recess of the bit and resting upon the shoulder at the bottom of the recess, said sleeve being cut to form openings registering with the ports in the bit and also form tongues extending upwardly at an inward incline across the said ports, said head being formed at its lower end with a recess communicating with a passage extending upwardly through the head and having its upper portion reduced and forming a grease port, a bearing ball in said passage, a shaft fitting into said passage through the lower end thereof and having its upper end engaging the bearing ball and its lower portions protruding downwardly from the head and formed with a squared end, a nut about said shaft screwed into said passage and holding the shaft in place, a cap for said perforated sleeve fitting into the recess of said head in spaced relation to the wall of the recess and having its upper end abutting said nut and

formed with a socket into which the squared end of the shaft fits, a cylinder surrounding said perforated sleeve and defining longitudinally extending inner and outer annular spaces between the perforated sleeve and said body, the ports in said coupling sleeve having their inner ends communicating with the bottom of the outer space, said head being formed with vertical passages having their lower ends communicating with the upper end of the said outer space and their upper ends communicating with the hollow drill rod, and said head being also formed with other vertical passages having upper ends opening externally of the head and lower ends communicating with space in the recess about the cap and communicating with the inner space about the perforated sleeve.

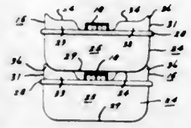
2,587,232
SHAPE CUTTING MACHINE ARM
Thomas Schmader, Omaha, Nebr.
Application June 13, 1949, Serial No. 98,679
1 Claim. (Cl. 33—24)



In an adjustable template support, the combination which comprises an elongated horizontally disposed frame, rectangular-shaped in plan having parallel side bars, connected at the ends with cross bars, said side bars being T-shaped in cross section having vertically disposed flanges with horizontally positioned webs extending from intermediate parts of the flanges, a vertically disposed cylindrical post, a hub positioned on one end of said frame and having a vertically disposed bore therethrough through which said cylindrical post extends whereby the frame is vertically adjustable on the post and also adapted to swing laterally around the post, a sliding head having parallel horizontally disposed slots in the edges positioned with the webs of the side bars extending into said slots whereby the sliding head is longitudinally slidable in the frame, said sliding head having a hub with a vertically disposed bore therethrough positioned thereon, and a vertically disposed template supporting rod extended through the bore of the hub of the sliding head whereby said template supporting rod is vertically adjustable and also rotatable in said sliding head.

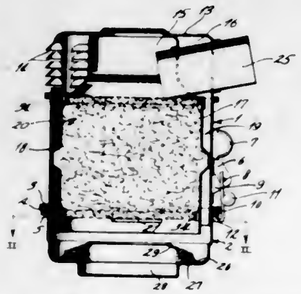
2,587,233
FREEZING DEVICE
Edmund F. Schweller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 16, 1949, Serial No. 76,688
8 Claims. (Cl. 62—108.5)

1. A freezing device comprising in combination, a tray and a grid disposed therein, said grid including a longitudinal upright wall and a plurality of spaced apart upright transverse walls interlocked together and dividing the interior of said tray into compartments, and portions of the end transverse walls of said grid extending upwardly beyond the uppermost portion of the



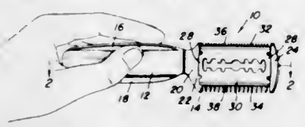
transverse walls of said grid intermediate said end transverse walls and above the top of said tray to provide a support at the top of said device above said longitudinal and said intermediate grid walls for receiving the bottom of the tray of a similar companion freezing device.

2,587,234
FILTER UNIT FOR AIR CLEANERS
Joseph B. Sebok, Detroit, Mich., and William H. Browne and Arnold E. Pavlish, Columbus, Ohio, assignors to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application July 5, 1945, Serial No. 603,304
3 Claims. (Cl. 183—44)



1. A filter unit for liquid bath automotive air cleaners, said unit being made up of a mass of vegetable fibers initially loosely bunched and curled in strands, said curled strands being cut in relatively short lengths and being bonded together at random by a dry setting plastic substance, said filter unit being of uniform density and inherent resiliency.

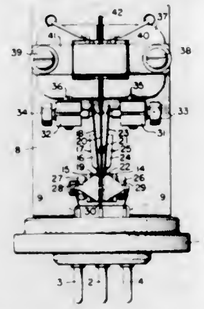
2,587,235
HAIR TRIMMER
Peter J. Seferlis, Princeton, N. J.
Application August 5, 1948, Serial No. 42,685
1 Claim. (Cl. 30—30)



A blade holder formed from a single elongated strip of sheet material for use with double edged safety razor blades, comprising an elongated body including a handle portion at one end and a blade holding portion at its other end, said last mentioned portion having oppositely disposed longitudinally extending side edges that are toothed, said blade holding portion having a pair of spaced transverse slots therethrough for receiving the opposite ends of a double edged blade,

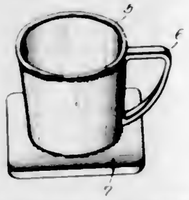
and a double edged blade having oppositely extending tongues at its opposite ends which are received in said slots, the teeth on one side edge of the blade holding portion having their extremities spaced a greater distance from the adjacent edge of the blade than the extremities of the teeth on the other side edge are spaced from the other edge of the blade.

2,587,236
VIBRATOR
Frederick W. Side, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 30, 1945, Serial No. 596,753
21 Claims. (Cl. 200—90)



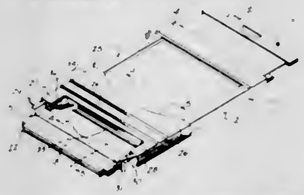
17. An electrical switching device including in combination, a vibratile element comprising a vibratile reed supported at one end for vibration at any of a plurality of predetermined frequencies, means to vibrate said vibratile element at a selected one of said predetermined frequencies, a member movable with respect to the free end of said reed and operative to adjust the natural resonant frequency of vibration of said reed, rotatable mechanical means in driving engagement with said member and operative, when rotated, to move said member to a position in which the natural resonant frequency of vibration of said reed is substantially different from the fundamental and the harmonics of whichever one of said predetermined frequencies is the frequency at which said first mentioned means vibrates said vibratile reed, contact means carried by said reed, and other contact means disposed in cooperative relation with said first mentioned contact means and arranged to be alternately engaged and disengaged thereby upon vibration of said reed.

2,587,237
INFANT'S DRINKING MUG
Edwin S. Sinaiko, Chicago, Ill.
Application July 23, 1949, Serial No. 106,390
1 Claim. (Cl. 65—13)



An infant's drinking mug having an enlarged and stable base comprising a container provided with a handle and an integral, flat and substantially square base of substantially greater thickness than the thickness of the side wall of the container with the side wall merging into the flat base, said base projecting outwardly in a horizontal plane from the bottom and outer periphery of the container so that the container is disposed a substantial amount inwardly from the periphery of the base and the base presents a relatively wide and symmetrical flange encompassing the container and projecting outwardly a substantial amount from the periphery of the container, said base having a low center of gravity imparting stability to the container and causing it to assume and maintain an upright position whereby the danger of tipping and spillage of the contents of the container is greatly minimized.

2,587,238
LOADER FOR CAMERA FILM HOLDERS
Arthur C. Smith, Arlington, Va., assignor of one-half to La Viella T. Harris, Bethesda, Md.
Application December 8, 1950, Serial No. 199,874
5 Claims. (Cl. 95—1)



1. The combination with a camera film holder including a pair of spaced bars arranged in parallel spaced relation, a partition plate fixedly positioned between and spaced from face of said bars, a first end member positioned adjacent one of the ends of said bars and plate and fixedly secured to said bars and plate, a second end member positioned between and adjacent the other of the ends of said bars and plate and fixedly secured to said bars and plate, said second end member being spaced from said one face of said bars, a pivoted closure member arranged in interengaging relation with the other ends of said bars and connected along one of its sides to said second end member for swinging movement from its position of interengagement with the other ends of said bars to a position out of interengagement with the other ends of said bars, there being opposed longitudinal grooves in the facing side edges of said bars between said one faces of said bars and said plate and together forming a grooved slideway, a cover plate insertable and withdrawable transversely of said first end member and slidable in said slideway, and opposed fixed strips on the facing side edges of said bars between and spaced from said slideway and said plate and together with the adjacent portions of the side edges of said bars forming a guideway for a film, the ends of said strips contiguous to said closure member being each spaced from the latter member to form an entrance to said guideway, of a loader supported upon said bars adjacent the entrance to said guideway and directing and guiding the insertion of a film into said slideway when said closure member has been swung to its out of interengagement position with the other ends of said bars, said loader comprising a carriage slidably supported on said bars, anchoring means on one end of said carriage supported on said bars and engageable with the other ends of said bars when said closure member has been swung to its out of interengagement position with the other ends of said bars, and an insertion directing and guiding

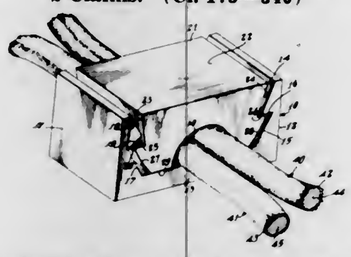
means intermediate said anchoring means and having one end dependingly supported from said one end of said carriage and having the other end extending below the end edges of said one end of said strips for directing and guiding the insertion of a film into the slideway when said closure member has been swung to its out of interengagement position with the other ends of said bars.

2,587,239

SNAP TYPE CONNECTOR FOR ELECTRICAL WIRES

Clay M. Smith, Orcutt, Calif.

Application August 18, 1949, Serial No. 110,907
2 Claims. (Cl. 173—340)



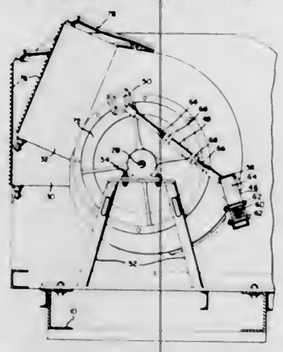
1. An electrical connector comprising: a channel shaped base member, having shoulders formed on its inner side walls, a second member having shoulders formed on its outer side walls and adapted to be received by said first member by a snap connection, each of said members having sloping side walls adjacent its respective shoulders adapted to cooperate to permit flexing of said base member during assembly to permit the shoulders of said second member to snap under the shoulders of said base member, means forming an aperture in one of said members for receiving electrical conduits to be joined and knife means carried by one of said members adapted to pierce and bridge the electric conduits when said members are assembled, each of said members being formed of insulating material.

2,587,240

APPARATUS FOR SPRAYING

Warren M. Spreng, Ashland, Ohio, assignor to The F. E. Myers & Bro. Co., Ashland, Ohio, a corporation of Ohio

Application December 16, 1948, Serial No. 65,561
6 Claims. (Cl. 299—39)



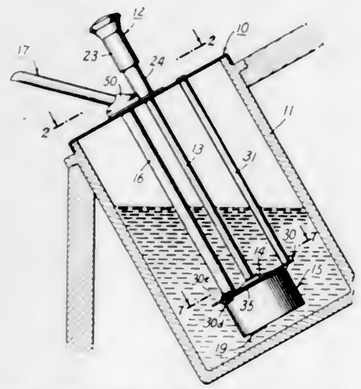
2. In a spraying machine; a shaft, a pair of spaced air impellers mounted on said shaft, a housing surrounding each impeller and each housing having a peripheral outlet, said housings being journaled for oscillating movement about said shaft, means adjustably clamping said housings together for predetermining the angle between the outlets thereof, means driven by said shaft and connected with one of said housings for oscillating the housings as a unit during the rotation of said shaft, and means for supplying material to be sprayed to the air streams emanating from said outlets.

2,587,241

ADJUSTABLE STROKE SIRUP PUMP

Vernon P. Steele, Noroton, Conn., assignor to Kenco Products Corporation, New York, N. Y.

Application February 14, 1948, Serial No. 8,331
10 Claims. (Cl. 222—309)



1. In a syrup pump, in combination, a cover member, a plunger rod, a plunger, a cup, supporting means detachably mounted on said cover member, means detachably mounting said cup on said supporting means, a delivery tube extending through said plunger and said cover member into said cup, said delivery tube being straight and open at both ends, a spout, base members mounted on said spout and cover member, ear means on said spout and cover base members for connecting said spout to said delivery tube, said ear means being engaged by turning said spout with its pivotal axis at right angles to said cover member, a sleeve mounted on said plunger rod, means resiliently holding said sleeve in engagement with said cover member, and means forming a recess in said spout base member, a portion of the lower end of said sleeve fitting into said recess to prevent said spout from being turned unless said sleeve is raised.

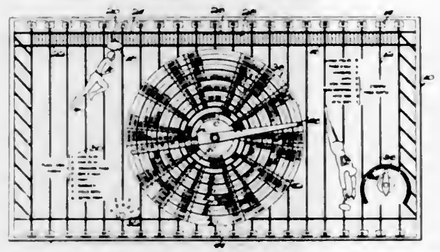
8. In a syrup pump, in combination, a cover, pump mechanism mounted on said cover, a delivery tube connected to said pump mechanism, means forming a hole in said cover, a rod for actuating said pump mechanism, means limiting upward movement of said rod, said rod extending upwardly through said hole, means on said cover around said hole extending upwardly a short distance to form a water guard, a first sleeve detachably mounted on said rod above said cover, said water guard extending upwardly into the lower end of said sleeve, means limiting upward movement of said pump rod, a knob threaded onto the upper end of said rod, a second sleeve extending downwardly from said knob, the lower end of said second sleeve limiting downward movement of said rod when it engages the top of said cover, said knob closing the upper end of said last mentioned sleeve, said knob being adjustable longitudinally of said rod to move said last mentioned sleeve longitudinally of the rod and thus lengthen or shorten the stroke of said pump rod, spring means engaging and acting between said sleeves to resiliently urge said second sleeve and knob upwardly and said first sleeve downwardly, said first sleeve telescoping into said second sleeve and said spring means holding said first sleeve in covering position with respect to said water guard means.

2,587,242

CHANCE CONTROLLED FOOTBALL GAME BOARD

Arthur C. Stringer, Jackson, Miss.

Application June 2, 1948, Serial No. 30,643
1 Claim. (Cl. 273—94)



A football game comprising a board bearing a circular dial having delineated thereon a plurality of concentric annuli, certain of said annuli being divided into subannuli, the annuli being delineated by double circles and the subannuli by single circles, radial lines passing through said annuli and dividing the dial into segments, each annuli within each segment bearing a legend appropriate to offensive play only, each pair of adjacent subannuli within each segment bearing legends appropriate to offensive and defensive play, respecively, an elongated indicator rotatably mounted at the center of the dial, said indicator on one end of its axis being divided transversely into sections overlying, respectively, each annuli and each pair of adjacent subannuli and bearing, respectively, marks identifying a type of play, means bearing marks corresponding to those on said indicator enabling the offense to select unknown to the defense a type of play to be attempted, and separate means bearing marks corresponding to those on said indicator enabling the defense to attempt successfully to anticipate in advance of play what type of play is selected, whereby, when the indicator is spun, in accordance with the defense's success or lack thereof, the defensive or offensive legend on that portion of the subannuli over which the selected play-identifying portion of the indicator stops directs the movement of the ball.

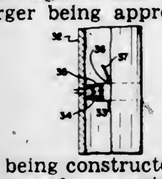
2,587,243

CUTTING APPARATUS

William G. Sweetman, Houston, Tex., assignor of an interest to I. J. McCullough, Los Angeles, Calif., and O. J. McCullough, Houston, Tex., jointly

Application October 16, 1946, Serial No. 703,655
1 Claim. (Cl. 102—24)

Apparatus for producing a gaseous penetrating jet, effective for cutting metal comprising a high explosive charge having an angular hollow groove in the face thereof adapted to be directed toward the object to be cut and conforming in configuration to the line of the desired cut, a converger conforming in angular shape and configuration to said hollow groove and seated therein, the interior angle of said hollow groove and of said converger being approximately 72° and



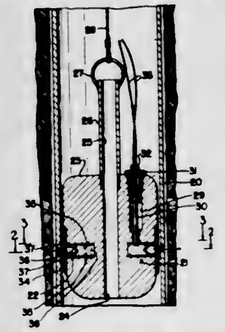
said converger being constructed of metal having a wall thickness of approximately 0.036 inch whereby said converger is disintegrated upon detonation of said charge and a sharp narrow cut through the metal produced.

2,587,244

APPARATUS FOR CUTTING PIPES WITHIN A WELL

William G. Sweetman, Houston, Tex., assignor of an interest to I. J. McCullough, Los Angeles, Calif., and O. J. McCullough, Houston, Tex., jointly

Application November 12, 1946, Serial No. 709,246
2 Claims. (Cl. 102—20)



1. An apparatus for severing pipe in a well, comprising, a massive cylindrical body member for insertion into the pipe, said body member having a radially directed circumferential recess therein extending interiorly of the body to a point intermediate the exterior of the body and the longitudinal axis thereof to provide a charge-backing support, an annular high explosive charge in said recess seated against said charge-backing support, an annular hollow of angular cross section formed in the outer periphery of said charge and directed radially outwardly, an annular liner conforming in shape to and seated in said hollow, a pair of substantially parallel spaced-apart annular spacer elements connected to and extending radially outwardly from the outer edges of said liner, and a circumferentially extending pressure sealing wall bridging the outer ends of said spacer elements and closing said recess.

2,587,245

COMBINED MOUTH SPECULUM AND TONGUE SUPPORT

Victor J. Terre, New York, N. Y.

Application January 6, 1950, Serial No. 137,070
4 Claims. (Cl. 128—12)

4. A device of the character described including a single longitudinally bifurcated post, a sleeve adjustably mounted on the post and having an adjustable rod extending transversely therethrough and between the bifurcations of

the post, and oppositely disposed dental arches carried by the post, the rod being provided at one



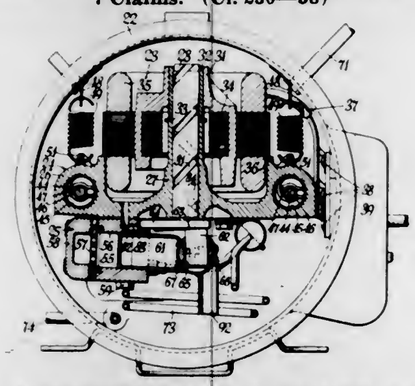
end with a vertical tongue support and at the other end with a handle.

2,587,246

HERMETIC REFRIGERATION COMPRESSOR

Jens Touborg, Tecumseh, Mich., assignor to Tresco, Inc., a corporation of Michigan

Application November 28, 1949, Serial No. 129,738
7 Claims. (Cl. 230—58)



1. A compressor having a crankcase portion and a cylinder block formed with a cylinder bore, a piston reciprocably mounted in the cylinder bore and provided with a transversely disposed yoke at the crankcase end thereof, a crosshead slidably mounted in the yoke and formed with a diametrical bore, a drive shaft having a crank pin portion rotatably mounted in the crosshead bore, a bearing for rotatably mounting the drive shaft for rotation about its own axis, said cylinder bore and piston being angularly inclined with respect to the axis of the drive shaft, said yoke being positioned with its axis at right angles to the axis of the piston, whereby upon rotation of the drive shaft the crank pin and crosshead bore have linear movement relative to each other, an oil duct extending longitudinally of the crank pin to the drive shaft bearing, an oil bath in the crank case portion, and ports formed in the crosshead adapted to be alternately opened and closed in timed relation to the linear movement of the crosshead to alternately subject oil in the oil duct to pressure and to replenish oil discharged from the duct from the oil bath.

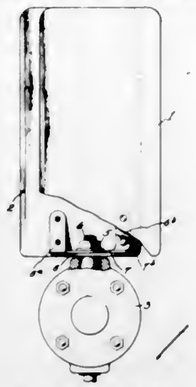
2,587,247

TWIN BLADE MOUNTING FOR FANS AND PROPELLERS

Estey M. Turner, Arcadia, Calif.

Application May 28, 1948, Serial No. 29,816
6 Claims. (Cl. 170—165)

1. The combination with an impeller hub having a stem radially projecting therefrom, of a twin blade support comprising two brackets, each bracket including a bifurcated base perforated at the apex thereof for engagement with said stem, the base having legs extending from the bifurcation thereof and having lugs perpendicularly ris-



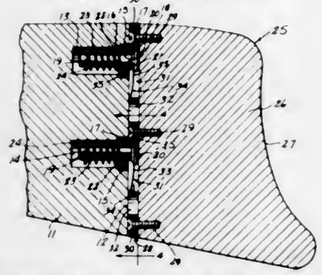
ing from the ends of the legs for supporting one of the units of the blade, means for clamping said brackets in position on the stem, and means for clamping the twin blade units in position on the lugs of the brackets.

2,587,248

DEVICE FOR VARYING THE LENGTH OF GUNSTOCKS

Leroy F. Turner, West Palm Beach, Fla.

Application February 24, 1950, Serial No. 146,096
2 Claims. (Cl. 42—73)



1. In combination, a gun stock having a rear butt end formed with transversely spaced longitudinally extending sockets opening through said butt end, plugs secured in the open rearward ends of said sockets flush with the surface of said butt end, said plugs having bores extending therethrough, said bores being smaller in diameter than said sockets and axially aligned with said sockets, pins slidably mounted in said bores and extending into the sockets, said locking pins having enlarged heads on their rearward ends, spring means within said sockets acting between portions of said pins and the stock to bias said pins yieldably in a forward direction whereby said locking heads normally engage the rearward ends of said plugs, a removable butt cap comprising a body having an adapter plate on its forward end, said adapter plate being arranged to abut the butt end of the stock when assembled to the stock, said adapter plate being formed with transversely elongated and longitudinally aligned keyhole slots, said keyhole slots having enlarged entrance openings at the same ends thereof, for receiving the locking heads on the locking pins when the removable butt cap is abutted to the stock butt end with said heads

registered with the entrance openings, the keyhole slots being narrower than the locking heads and having undercut portions at the rearward side of said adapter plate providing slide surfaces and shoulders extending along the opposite sides of the slots, said locking heads having forward faces arranged to slidably cooperate with said slide surfaces with opposite sides of the heads slidably engaging the shoulders as the stock and butt cap are moved transversely relative to each other so as to move the locking heads away from the entrance openings of the keyhole slots toward the other ends of the keyhole slots, the said slide surfaces at the said other ends of the keyhole slots being recessed to provide countersinks into which the forward faces of said heads are urged by said spring means as the locking heads reach the said other ends of the keyhole slots, whereby said butt cap adapter plate is releasably locked in abutting relation to the butt end of the stock.

2,587,249

PREVENTION OF CORROSION IN STEAM LINES

Richard C. Ulmer, Tuckahoe, N. Y., assignor to E. F. Drew & Co., Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 18, 1947, Serial No. 729,415
5 Claims. (Cl. 210—23)

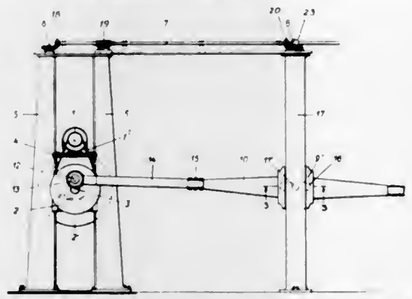
1. A method of preventing corrosion of steam lines which comprises feeding into the water of a steam boiler an alginic acid compound of ammonia, said compound being adapted to decompose gradually at temperatures of steam formation to provide free gaseous ammonia, together with an excess of ammonia in an amount up to 25% of that required to combine with said alginic acid.

2,587,250

MULTIPLE BLADE SAWING MACHINE FOR CUTTING MARBLE AND STONES

Serafino Valgiusti, Milan, Italy, assignor to Montecatini Societa Generale Per L'Industria Mineraria e Chimica Anonima, a corporation of Italy

Application October 9, 1947, Serial No. 778,984
In Italy September 19, 1946
2 Claims. (Cl. 125—16)



2. In a machine of the character described, a pair of standards, a saw-blade frame carried by and pivotally mounted between said standards on its central transverse axis, said pivoted mounting comprising pivot pins on said saw-blade frame and a guide member on each standard in which said pins respectively are pivoted and which permits horizontal reciprocating movement of said pins, a longitudinal extension on said saw-blade frame, and means supported independently of said standards and connected to said extension for reciprocating said saw-blade frame and simultaneously rocking the same on its pivots.

2,587,251

METHOD OF ELECTRIC ARC WELDING

Paul Christiaan van der Willigen, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

No Drawing. Application January 10, 1948, Serial No. 1,667. In the Netherlands February 12, 1947
2 Claims. (Cl. 219—10)

2. A method of electric arc-welding in which an arc is struck between the metallic work-pieces required to be joined, comprising the steps of slightly spacing the work-pieces to be joined from each other, placing a non-gas evolving semi-conductive slagging solid of a predetermined shape and size and comprising a mixture of 20% by weight of calcium oxide, 13% by weight of calcium fluoride, 12% by weight of pulverulent glass, 2% by weight of ferro-manganese, 3% by weight of ferro-silicon, 2% by weight of ferro-titanium, and 50% by weight of pulverulent iron, in position to establish a conductive contact between the spaced work-pieces, passing a current of electricity through the work-pieces and slagging solid to initiate an arc between the work-pieces through the slagging solid and after the arc has burned for a short time dependent upon said predetermined shape and size of said slagging solid, to so allow moving the work-pieces into contact with each other, then moving the work-pieces into such contact with each other, and interrupting the current.

2,587,252

METHOD OF FORMING WIRE FILLING FOR REGENERATORS

Franciscus Lambertus van Weenen and Heinrich de Brey, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee

Application August 29, 1945, Serial No. 613,397
In the Netherlands September 2, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 2, 1961
2 Claims. (Cl. 29—157.3)



1. A method of forming a wire filling for a regenerator comprising the steps of winding a wire of small diameter on a mandrel according to a honeycomb pattern, impregnating the resultant coil with a soluble binder, cutting said coil along a line parallel to the longitudinal axis of said mandrel, developing said coil into a plane surface, cutting ring sectors out of said developed coil, stacking said sectors in an overlapping manner in any suitable regenerator container, and dissolving said binder from said various ring sectors.

2,587,253

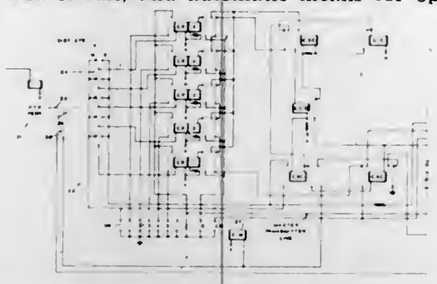
TELEGRAPH SWITCHING SYSTEM

Gilbert S. Vernam, Hackensack, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application November 20, 1948, Serial No. 61,280
11 Claims. (Cl. 178—2)

1. In a telegraph switching center, a plurality of outgoing transmission circuits, a separate

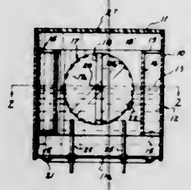
identifying code signal transmitter associated with each of said circuits, a message transmitter, means for adapting said message transmitter to simultaneously transmit to a selected plurality of said circuit, and automatic means for operating the identifying code signal transmitter of the selected circuits one at a time concomitantly with the transmission of a message from said message transmitter regardless of the busy or idle condition of the selected circuits at the time of selection.



2,587,254
INDICATING POCKET IONIZATION CHAMBER

John A. Victoreen, Cleveland, Ohio, assignor to The Victoreen Instrument Company, Cleveland, Ohio

Application April 16, 1948, Serial No. 21,408
16 Claims. (Cl. 250—83.6)



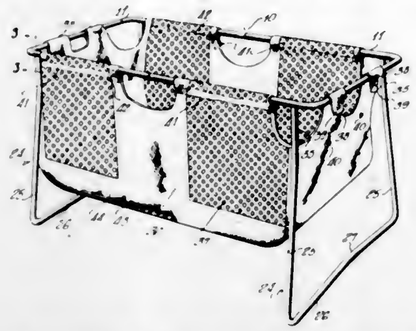
1. An ionization chamber having at least two electrodes insulated from each other and arranged to be charged to a potential difference, said electrodes defining a chamber having a predetermined ionizable volume of gas one of said electrodes being suspended for swinging movement, and means for moving said movable electrode to decrease the effective volume of the chamber upon a decrease in potential difference between the electrodes.

2,587,255
PORTABLE BABY BED

Snyder Vogel and Edmund Seid, Dallas, Tex.

Application December 1, 1948, Serial No. 62,910
2 Claims. (Cl. 5—98)

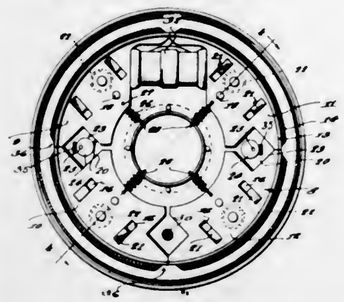
2. In a portable baby bed, a frame consisting of a pair of substantially U-shaped tubular sections, a rod anchored at one end in each leg of one of said frame sections and extending, in extended positions of said sections, into the ends of the legs of the companion frame section, a complementary rod slidably disposed in the legs of the latter frame section, a link pivotally connecting the ends of the slidable rods with their companion anchored rods to hingedly join said sections for relative foldability, detent means for holding said slidable rod against movement to secure the frame sections in operative position, a substantially U-shaped supporting leg hingedly connected to each frame section for foldability into relative parallelism with said frame sections, displaceable means for securing said legs in operative position with respect to said frame, a crib suspended for swinging displacement from said frame and means to adjust the height of said crib.



2,587,256
INTERNALLY EXPANDING BRAKE

Raymond B. Watt, Washington, D. C.
Substituted for application Serial No. 401,347, July 7, 1941. This application September 27, 1946, Serial No. 699,612

1 Claim. (Cl. 188—78)



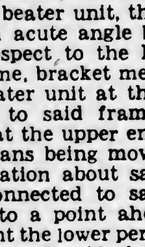
In an internal expanding brake mechanism, a non-rotatable backing plate, brake shoes mounted to slide radially upon said backing plate, each brake shoe having spaced slots, guide lugs on the backing plate and positioned within respective slots of the brake shoes, spring means connected between the backing plate and the brake shoes for returning the brake shoes in neutral or inoperative position, a pair of brake shoes, each shoe having a V-shaped notch, the notches being arranged in opposed relationship, spring tensioned fastener means for securing the brake shoes to the backing plate, studs carried by each shoe, expander plates having slots to receive the studs of the brake shoes for operating all of the brake shoes simultaneously, adjusting shafts, a cam fixed to each shaft and disposed between the opposed V-shaped notches of said brake shoes, a spacing block on said expander plates in the path of said cams and means for operating the expander plates.

2,587,257
FISHING REEL BRAKE

Isaac Weisblatt, New Rochelle, N. Y.

Application December 16, 1950, Serial No. 201,186
3 Claims. (Cl. 242—84.5)

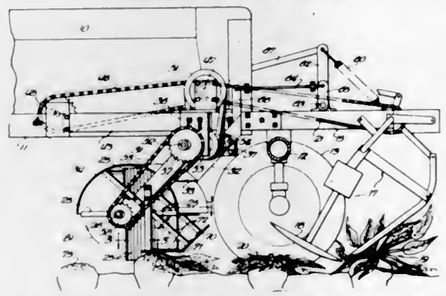
1. A fishing reel having a frame including two opposed walls and a winding drum provided with shaft pins mounted in aligned bearings in said walls, said drum being adapted to have a weighted fishing line wound thereon, a ring surrounding one of said shaft pins between said drum and the adjacent wall of said walls, said weighted line while unwinding during casting exerting a pull on said drum in a forward direction thereby urging said shaft pins forward against the forward arcuate surfaces of said bearings, and variable means for urging said ring against said one of said shaft pins in a rearward direction, said means comprising a stem passing through said adjacent wall on an axis eccentric to the axis of the drum, a radial arm positioned between said adjacent wall and said drum having one end rigid with said stem, a substantially V-shaped spring having an eyelet substantially intermediate its length, said spring being positioned between said adjacent wall and said drum, one end of said stem passing through said eyelet, one leg of said spring being secured to said ring, the other leg of said spring being secured to said radial arm, and means for turning said stem on its axis to swing said radial arm toward or away from the axis of said ring, said one leg of said spring being positioned in a plane substantially at right angles to the direction of travel of the unwinding line.



2,587,258
BEET CLEANING APPARATUS

Read A. Wilkinson, Nampa, Idaho

Application March 6, 1950, Serial No. 147,814
5 Claims. (Cl. 56—121.46)

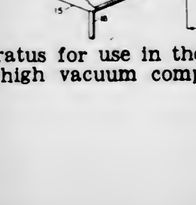


1. A beet cleaner apparatus comprising a wheeled supporting frame, a horizontal elongated rotatable beater unit mounted on said frame, said unit including a multiplicity of axially spaced flexible flail elements extending radially from the axis of said beater unit, the axis of said unit extending at an acute angle between 10 and 80 degrees with respect to the longitudinal direction of said frame, bracket means rotatably supporting said beater unit at the lower end, pivot means secured to said frame supporting said bracket means at the upper end, said beater unit and bracket means being movable up and down in a pivotal relation about said pivot means, a locator shoe connected to said bracket means and extending to a point ahead of said beater unit and adjacent the lower peripheral edge thereof, the rear edge of said shoe extending horizontally and substantially parallel with said axis said locator shoe being adapted to engage with the upper end portion of a beet relatively approaching said beater unit, said shoe being effective for lifting the lower end of said bracket means and said beater unit into a predetermined elevated relation with respect to the upper end of the beet passing relatively beneath said beater unit, driving connection extending to said beater unit for effecting rotation thereof whereby said flail elements upon rotation effectively clean debris from the upper end portion of the beet in passing relatively beneath said beater unit and sweep said debris laterally of the row of beets.

2,587,259
SAUCER

Dudley A. Whitman, Miami Beach, Fla.

Application August 19, 1949, Serial No. 111,213
1 Claim. (Cl. 65—15)

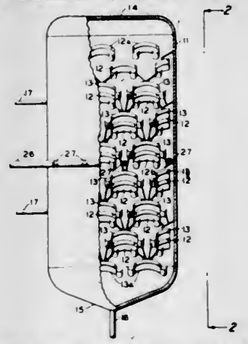


A saucer comprising an annular rim of concavo-convex shape, a receptacle at the center of said rim comprising a flat bottom wall substantially continuous with said rim and a substantially circular side wall extending marginally from said bottom wall substantially perpendicular thereto at the concave side of said rim, and a rib formation in said receptacle extending from said bottom wall to a plane including an edge surface of said side wall remote from said bottom wall, said rib formation comprising at least two circular ribs of elongated rectangular cross sectional shape, concentric with said side wall and with each other and extending substantially perpendicularly from said bottom wall, and a center post extending from said bottom wall at the center thereof and substantially concentric with said ribs.

2,587,260
APPARATUS FOR MOLECULAR DISTILLATION

William B. Whitney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application May 27, 1948, Serial No. 29,639
3 Claims. (Cl. 202—205)



1. An apparatus for use in the distillation of liquid under high vacuum comprising a fluid-

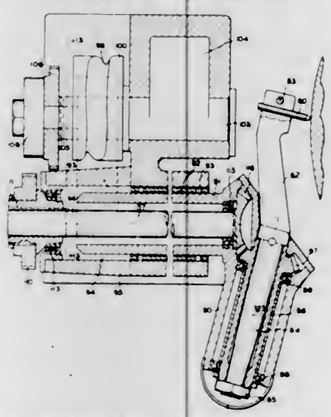
tight vessel, a plurality of pairs of non-rotatable evaporator plates and non-rotatable condenser plates, the condenser plates of each pair of condenser and evaporator plates being positioned vertically above the evaporator plate and is adapted to condense vapors evaporated therefrom, said pairs of evaporator and condenser plates being disposed in vertical succession to form vertical rows of alternate evaporator plates and condenser plates, said pairs of evaporator and condenser plates in a vertical row being staggered vertically with respect to the evaporator and condenser plates in each adjacent vertical row so that vapors from an evaporator plate skips the next higher condenser plate but are condensed on the second higher condenser plate, means for supplying coolant to each condenser plate, means for supplying heat to each evaporator plate, means for collecting condensate by gravity from the condenser plates, conduit means for removing condensate from some condenser plates from the vessel, means for conducting condensate from the remaining condenser plates to evaporator plates in an adjacent row of plates, means for collecting unvaporized liquid from the evaporator plates, means for removing unvaporized liquid from the collecting means of the bottom evaporator plates from the vessel, means for conducting unvaporized liquid from the remaining evaporator plates to an evaporator plate in an adjacent row of plates, this last stated means being so disposed that unvaporized liquid flows from evaporator plates in one vertical row to another in another row in staggered flow relationship, and conduit means for introducing liquid to be evaporated onto the top of some evaporator plates.

2,587,261

METHOD AND APPARATUS FOR DRESSING GRINDING WHEELS

Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York

Application December 29, 1945, Serial No. 638,029
19 Claims. (Cl. 125—11)



18. In apparatus for dressing grinding wheels, in combination, a housing, a tool holder mounted in the housing for rotary movement about an axis and for bodily translatory movement along that axis, a tool support mounted in said holder for rotary movement independently of the holder about an axis inclined to the axis of rotation of the holder, a pointed, rod-like dressing tool mounted on the tool support, means operatively connected to the tool holder for swinging the tool holder intermittently about its axis, separate means operatively connected to the tool holder for moving the tool holder in the direction of its axis, and means operatively connected to the tool support for swinging the tool support on its axis during movement of the tool holder to maintain the dressing tool at the correct angle to the surface being dressed.

2,587,262

PROCESS FOR PREPARING PYRIDINE ANALOG OF THIAMIN

Andrew N. Wilson, Colonia, and Stanton A. Harris, Westfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application August 28, 1948, Serial No. 46,708
8 Claims. (Cl. 260—256.4)

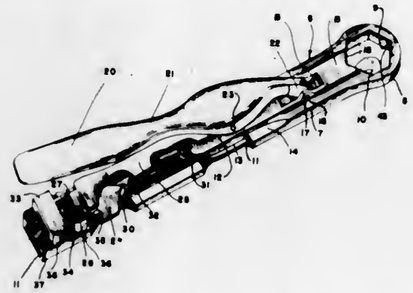
1. The process that comprises reacting 2-methyl - 3 - (β - hydroxyethyl) - pyridine and 2-methyl - 5 - bromomethyl-6-aminopyrimidine dihydrobromide in the presence of a solvent selected from the class consisting of acetonitrile, acetone, and a lower aliphatic alcohol at a temperature of between 0° and 27° C., recovering 1-[(4 - amino - 2 - methyl)-5-pyrimidylmethyl]-2-methyl-3-(β-hydroxyethyl) - pyridinium bromide hydrobromide thus formed, reacting the latter compound with picric acid, recovering the dipicrate of 1-[(4 - amino - 2 - methyl)-5-pyrimidylmethyl]-2-methyl-3-(β - hydroxyethyl)-pyridine thus formed, reacting the latter compound with hydrochloric acid and recovering 1-[(4-amino-2-methyl) - 5-pyrimidylmethyl]-2-methyl-3-(β-hydroxyethyl)-pyridinium chloride hydrochloride.

2,587,263

TOGGLE-ACTUATED SLIDABLE JAW WRENCH

Gustav A. Wortelmann, Chicago, Ill.

Application May 26, 1950, Serial No. 164,337
5 Claims. (Cl. 81—85)



1. A toggle-actuated, slidable jaw wrench comprising a body including a fixed jaw part, a slidable jaw part for cooperation with said fixed jaw part for gripping the work, said jaw parts having mutually engageable means to maintain aligned relation therebetween, said body part having ratchet teeth transversely thereof, a pawl engageable with said teeth, an operating handle hinged to said slidable jaw part, and a link pivotally interconnecting said handle and pawl for combined toggle action, a dog slidably guided in said body and a pivotal connection having an axis transversely of said body and between said dog and pawl whereby said pawl may be swung from engagement with the teeth and re-engaged therewith to change the inactive relation of said jaw parts, and a spring intermediate said dog and movable jaw part to maintain said pawl in tight contact with said teeth and to retract said movable jaw part upon release of said handle.

2,587,264

FISH LURE

Harry M. Wood, Washington, D. C.

Application February 4, 1949, Serial No. 74,579
2 Claims. (Cl. 43—42.33)



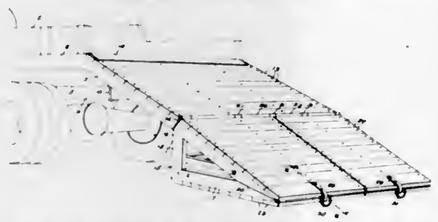
1. A fish lure comprising an elongated reinforcing member of resilient metal, and a hook having a shank disposed longitudinally of the reinforcing member and secured thereto, said hook having a barbed end offset from and disposed adjacent one end of the reinforcing member; said reinforcing member having a plurality of layers of plastic material applied over both sides of and completely enclosing said reinforcing member and combining therewith to form the lure body, said lure body having an upper surface which defines a substantially straight line when intersected by a transverse plane normal to the longitudinal axis and said upper surface being longitudinally concavely arced and the under surface of the lure body being transversely and longitudinally arced outwardly, said layers including a relatively thick base coating of plastic, an intermediate layer of ground white pearl and an exterior layer of transparent plastic cement, the surface of said base layer being visible through the intermediate and outer layers and having light reflecting bubbles adjacent the surface thereof.

2,587,265

VEHICLE RAMP

Walter F. Wright, Onawa, Iowa

Application December 12, 1949, Serial No. 132,611
2 Claims. (Cl. 214—85)



1. In a ramp for attachment to a vehicle body, parallel, inclined, longitudinal side and intermediate frame members, horizontal side frame members extending longitudinally of opposite sides of said body, said inclined side members merging into and being integral with said horizontal members, superposed center beams mounted on said body below the plane of said horizontal members and extended longitudinally of said truck body between opposite sides thereof, said center beams having angularly cut away ends supporting said inclined intermediate members, said intermediate and side inclined members being covered to define a stationary ramp section, and a second ramp section movably connected to the first-named section, said sections adapted to provide a continuous inclined surface extending from said vehicle body for loading or unloading of objects to be carried by said vehicle body.

2,587,266

WATER EMULSIFIABLE METALLIC PASTE PIGMENTS

Robert I. Wray, New Kensington, and Wayne B. Roberts, Mount Lebanon, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application August 10, 1948, Serial No. 43,551
11 Claims. (Cl. 106—290)

8. A water-emulsifiable, metallic paste pigment comprising a mixture of 40 to 78 per cent metal flake, volatile hydrocarbon, and at least one available fatty acid selected from the group consisting of stearic, palmitic, oleic and ricinoleic acids; with 15 to 45 per cent tall oil, 4.5 to 8.5 per cent casein, and 0.5 to 7.0 per cent of at least one of the water-soluble, soap-forming alkalis selected from the group consisting of carbonates of sodium, borates of sodium, and the amines consisting of morpholine, ethanolamine and isopropanolamine, said metallic paste pigment being characterized by its stability, paste-retaining consistency and freedom from agglomerate formation under storage conditions sealed against atmosphere.

2,587,267

WATER-EMULSIFIABLE METALLIC PASTE PIGMENTS

Robert I. Wray, New Kensington, and Wayne B. Roberts, Mount Lebanon, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application November 19, 1948, Serial No. 61,118
6 Claims. (Cl. 106—290)

3. A water-emulsifiable, casein free, metallic paste pigment formulation comprising a mixture of 40 to 78 per cent metallic flakes, 5 to 20 per cent volatile hydrocarbon, and 0.25 to 3 per cent of at least one fatty acid selected from the group consisting of stearic, oleic, palmitic and ricinoleic acids; with 15 to 45 per cent tall oil and 3 to 25 per cent of at least one water-soluble, soap-forming amino compound selected from the group consisting of 2-amino-1-butanol, 2-amino-2-methyl - 1 - propanol, 2 - amino - 2-methyl-1,3-propanediol, the isopropanolamines, the ethanolamines, morpholine, and mono-n-butyl amine, and said metallic paste pigment formulation being characterized by its stability, paste-retaining consistency and freedom from agglomerate formation under storage conditions sealed against atmosphere.

2,587,268

WATER-EMULSIFIABLE METALLIC PASTE PIGMENTS

Wayne B. Roberts, Mount Lebanon, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

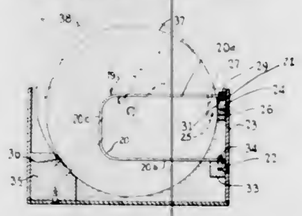
No Drawing. Application November 29, 1949, Serial No. 130,069
7 Claims. (Cl. 106—290)

2. A water-emulsifiable, metallic paste pigment formulation comprising 23 to 45 per cent metal flake, 3 to 12 per cent volatile hydrocarbon, at least one fatty acid in amounts between 0.15 and 2 per cent selected from the group con-

sisting of stearic, palmitic, oleic and ricinoleic acids, in admixture with 9 to 26 per cent tall oil, at least one water-soluble, soap-forming emulsifier in amounts between 2 to 10 per cent selected from the group consisting of carbonates of sodium, borates of sodium, the isopropanolamines, the ethanolamines and morpholine, and 45 to 85 per cent of the emulsifier present being casein, and at least one substantially water-free, water-soluble carbohydrate in amounts between 15 to 50 per cent selected from the group consisting of starch, sucrose, dextrose, maltose, lactose and levulose, said metallic paste pigment formulation being characterized by its stability, paste-retaining consistency and freedom from agglomerate formation under storage conditions sealed against atmosphere.

3. A water-emulsifiable, metallic paste pigment formulation comprising 23 to 45 per cent metal flake, 3 to 12 per cent volatile hydrocarbon, at least one fatty acid in amounts between 0.15 and 2 per cent selected from the group consisting of stearic, palmitic, oleic and ricinoleic acids, in admixture with 9 to 26 per cent tall oil, at least one water-soluble, soap-forming emulsifier in amounts between 2 to 10 per cent selected from the group consisting of amino compounds 2-amino - 1 - butanol, 2-amino-2-methyl-1-propanol, 2-amino-2-methyl-1,3-propanediol, the isopropanolamines, the ethanolamines, morpholine and mono-n-butyl amine, and at least one substantially water-free, water-soluble carbohydrate in amounts between 15 to 50 per cent selected from the group consisting of starch, sucrose, dextrose, maltose, lactose and levulose, said metallic paste pigment formulation being characterized by its stability, paste-retaining consistency and freedom from agglomerate formation under storage conditions sealed against atmosphere.

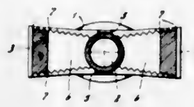
2,587,269
CABINET RECORD HOLDER
John A. Yerkes, New York, N. Y.
Application August 2, 1947, Serial No. 765,689
6 Claims. (Cl. 312—10)



1. In a disk type record holder cabinet, a receptacle, a unitary wire assembly having a plurality of record separating parallel bent wires joined integrally adjacent the ends by longitudinally extending wires welded thereto, a front support on said receptacle having record supporting surfaces adjacent thereto, means holding one end of said wires, and a second means on said receptacle holding the other ends of said wires.

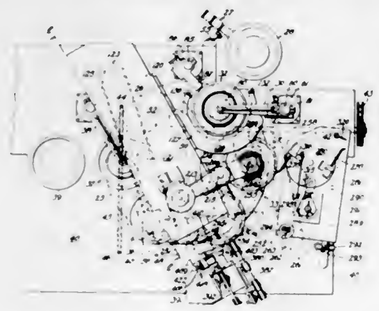
2,587,270
PEDAL FOR BICYCLES OR LIKE VEHICLES
Teunis Albers, Amsterdam, Netherlands
Application August 8, 1946, Serial No. 689,302
In the Netherlands April 2, 1946
3 Claims. (Cl. 74—594.4)

1. In a cycle pedal made of a single piece of relatively light material selected from the class including light metals and synthetic resins and consisting of a rectangular framelike body having a central tubular portion which extends between the ends of the pedal for receiving a pedal axle, bearings and the like, the provision of transverse walls within the framelike body extending from the longitudinal side walls thereof to the central tubular portion, the foot-supporting surfaces formed by the longitudinal and



transverse walls and by the central tubular portion being roughened, the outer diameter of the central tubular portion being less than the height of the longitudinal walls, and the height of the transverse walls decreasing gradually from the longitudinal side walls to the central tubular portion, whereby the roughened foot-supporting surfaces of the pedal are of substantially concave form.

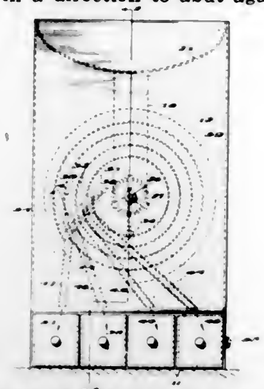
2,587,271
DINNERWARE FINISHING MACHINE
Howard G. Allen, Niagara Falls, N. Y., Robert W. Watkin, East Liverpool, Ohio, Stanley Kufel, Jr., Cheektowaga, and Edward I. Fisher, Kenmore, N. Y., assignors to The Edwin M. Knowles China Company, Newell, W. Va.
Application December 1, 1948, Serial No. 62,888
24 Claims. (Cl. 25—22)



1. Apparatus for finishing the edges of generally circular dry unfired clay ware which comprises means for supporting a piece of ware for rotation on its own axis, a scraper blade mounted for movement about an axis generally tangent to the ware, means for moving the ware supporting means and the scraper blade relatively toward each other for scraping the edge of the rotating ware and means of oscillating the scraper during scraping to round off the edge of the ware, and final edge finishing means comprising an endless belt moving in a direction transverse to the edge of the ware and engageable against the edge of the rotating ware to smooth the edge by abrasion.

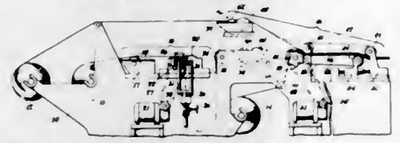
2,587,272
ARTICLE SORTING DEVICE
Charles F. Anderson, Decorah, Iowa
Application April 26, 1948, Serial No. 23,282
10 Claims. (Cl. 209—291)

8. A sorting device comprising a foraminous drum mounted for rotation and counter rotation and having an end opening and a closed longitudinally helical step in its peripheral surface, winding in a direction to abut against and urge



material toward said end opening in one direction of rotation only of the drum.

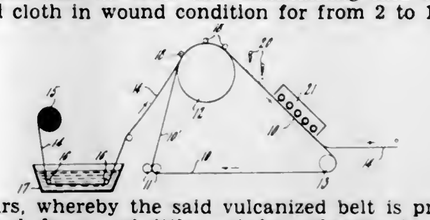
2,587,273
MACHINE FOR MAKING CORRUGATED PAPERBOARD
John Aquilla, Brooklyn, N. Y., assignor to Eagle National Printing and Die Cutting Corp., New York, N. Y., a corporation of New York
Application August 4, 1948, Serial No. 42,466
3 Claims. (Cl. 154—31)



1. In a machine for making corrugated paper board, the combination of a pair of rollers, an endless belt extending about said rollers, a second pair of rollers, and an endless belt extending about said second pair of rollers constructed and arranged to cooperate with said first belt to feed corrugated paper board therebetween, said belts being supported only by their respective rollers, both of said rollers of said first pair being respectively adjacent both of said rollers of said second pair and being offset in the direction of travel of said belts to provide a greater distance between said belts at adjacent rollers than between said belts at portions intermediate their respective rollers to thereby eliminate nips at adjacent rollers tending to crush the corrugated paper board, the axes of said rollers being so disposed that the bottom peripheral surfaces of said first pair of rollers fall below the top peripheral surfaces of said second pair of rollers and thereby impart a predetermined pressure to said paper board.

2,587,274
RUBBER SURFACE TREATMENT AND ARTICLE
Bernard C. Barton, Clifton, and Edward E. Auer, East Orange, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application March 19, 1949, Serial No. 82,377
5 Claims. (Cl. 117—118)

1. A method of treating a vulcanized rubber belt, containing from 1 to less than 10 parts by weight of a combined zinc activator of vulcanization per 100 parts of rubber, which comprises winding up said belt with a cloth liner containing a 25 to 33 weight-percent solution of hydrochloric acid in water and maintaining said belt and cloth in wound condition for from 2 to 100

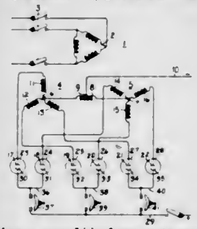


hours, whereby the said vulcanized belt is protected from embrittlement by subsequent exposure to migratory sulfur at elevated temperature.

2,587,275
FURNACE ELEMENT
Francis E. Bash, Morristown, N. J., assignor to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application September 23, 1949, Serial No. 117,518
4 Claims. (Cl. 75—171)

1. A furnace structural element for use in furnaces having atmospheres which are reducing to nonchromium-bearing alloys but selectively oxidizing to chromium consisting essentially of 10 to 30 percent chromium, 0.2 to 5 percent columbium, 0 to 3 percent silicon and the balance nickel.

2,587,276
HIGH-SPEED BREAKER ARRANGEMENT FOR PROTECTION OF VALVE CONVERTER CIRCUITS
Burnice D. Bedford, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 30, 1949, Serial No. 102,256
1 Claim. (Cl. 321—12)

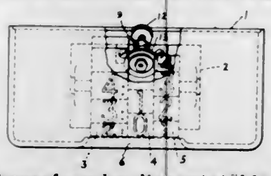


In combination, multiphase transformer means having a plurality of secondary windings arranged in a predetermined phase relationship, an electric converter element in series with each of said windings, circuit means interconnecting each of said converter elements with another of said elements to form a plurality of group circiuts, each group including a pair of said elements, the phase displacement between the elements of each group being no greater than the phase displacement between one element of each group and any of the other of said converter elements, an electric circuit normally connected with each of said circuit means, and separate interrupting means for disconnecting each of said circuits from its associated circuit means.

2,587,277
SETTING MECHANISM FOR DIRECT READING NUMERAL CLOCKS
Jack Bergman, Pittsburgh, Pa.
Application January 5, 1949, Serial No. 69,356
12 Claims. (Cl. 58—80)

3. In a direct reading numeral clock, a pair of

axially spaced wheels of unequal diameter respectively having annular portions rotatable therewith, said annular portions being spaced radially with respect to each other at one relative angular



position thereof, and a disc rotatable in the space between said annular portions and movable axially into engagement with selected ones of said annular portions to rotate and adjust the position of said wheels.

2,587,278

INCREASING THE MECHANICAL STABILITY OF FORMALDEHYDE-PRESERVED NATURAL RUBBER LATEX

Edward M. Bevilacqua, Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application February 2, 1950, Serial No. 142,081

20 Claims. (Cl. 260—820)

1. The method of increasing the mechanical stability of formaldehyde-preserved natural Hevea rubber latex which comprises incorporating in the latex 0.01 to 0.2% of material selected from the group consisting of polyvinyl methyl ether, polyvinyl methoxyethyl ether, and copolymers of vinyl methyl ether and vinyl methoxyethyl ether, said material having an intrinsic viscosity in water in the range of 0.05 to 0.6, and the latex being at a temperature not over 66° C. and at which said material is water soluble.

2,587,279

INCREASING THE MECHANICAL STABILITY OF FORMALDEHYDE-PRESERVED NATURAL RUBBER LATEX

Edward M. Bevilacqua, Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application February 2, 1950, Serial No. 142,082

16 Claims. (Cl. 260—820)

1. The method of increasing the mechanical stability of formaldehyde-preserved natural Hevea rubber latex which comprises incorporating in the latex 0.01 to 0.2% of material selected from the group consisting of polyethylene glycols having 10 to 200 ethyleneoxy groups in the polymer chain and ethers and esters of such polyethylene glycols with aliphatic alcohols and aliphatic acids having not more than 10 carbon atoms.

2,587,280

INCREASING THE MECHANICAL STABILITY OF FORMALDEHYDE-PRESERVED NATURAL RUBBER LATEX

Edward M. Bevilacqua, Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application February 2, 1950, Serial No. 142,083

8 Claims. (Cl. 260—820)

1. The method of increasing the mechanical stability of formaldehyde-preserved natural Hevea rubber latex having a pH between 5.5 and 6.8 which comprises incorporating in the latex 0.01 to 0.2% of water-soluble polyvinyl alcohol.

2,587,281

INCREASING THE MECHANICAL STABILITY OF FORMALDEHYDE-PRESERVED NATURAL RUBBER LATEX

Edward M. Bevilacqua, Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application February 2, 1950, Serial No. 142,084

8 Claims. (Cl. 260—820)

1. The method of increasing the mechanical stability of formaldehyde-preserved natural Hevea rubber latex having a pH between 5.5 and 6.8 which comprises incorporating in the latex 0.01 to 0.2% of methyl cellulose at a temperature below 50° C.

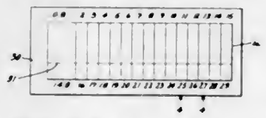
2,587,282

STEP GAUGE FOR MEASURING THICKNESS OF THIN FILMS

Katharine B. Blodgett, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 27, 1951, Serial No. 212,968

3 Claims. (Cl. 88—14)



1. In an instrument for determining the thickness of a transparent thin film mounted upon a medium having a greater refractive index than that of said film, a step gauge comprising a supporting base plate, a plate of glass having a composition including lead oxide, one surface of said glass being secured to a surface of said base plate and the opposite surface of said glass being blackened by contact with hot hydrogen and a coating of barium stearate covering said blackened surface and divided into regular areas having graduated thicknesses to provide steps having reflectivities equal to the reflectivities of predetermined thicknesses of barium stearate mounted upon unblackened glass, said base plate having index numbers thereon adjacent said steps to indicate the thicknesses of barium stearate corresponding thereto, whereby when said transparent film and said gauge are illuminated from a common source of white light the thickness of said transparent film in microinches equals the index number of the step reflecting the same color as said film multiplied by the ratio of the refractive index of said barium stearate to that of said film.

2,587,283

LEG FOR AN ARTICLE OF FURNITURE OR THE LIKE

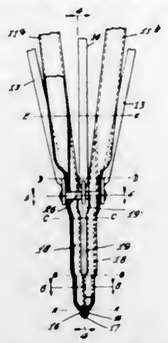
Earl C. Booth, Columbus. Ind., assignor to Arvin Industries, Inc., a corporation of Indiana

Application September 14, 1949, Serial No. 115,653

4 Claims. (Cl. 311—109)

1. A leg for incorporation in an article of furniture or the like, said leg comprising a pair of similar sections disposed in opposed relations and rigidly interconnected at their lower ends, each of said sections being formed of metal tubing, the tubing of each section for a distance above its lower end being collapsed and formed into an arcuate cross-section, said leg-sections being arranged with the concave faces of the collapsed portions of the leg-sections in opposed relation, said collapsed portions including upper and lower stretches, the latter having their edges

in contact with each other and the former being spaced apart, and a transverse pin extending



between said upper stretches to provide a pivotal support for a member received therebetween.

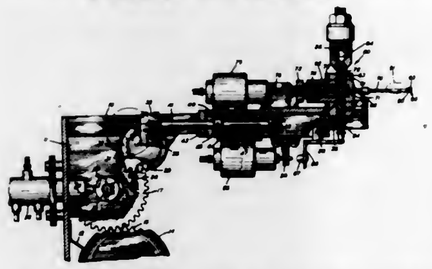
2,587,284

MATERIAL EJECTING AND FEEDING APPARATUS

Robert F. Brewer, Quakertown, and Clifford W. Henderson, Emmaus, Pa., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 12, 1950, Serial No. 155,504

8 Claims. (Cl. 118—323)



1. An apparatus operable through repeated cycles to eject given quantities of a material intermittently and feed them to spaced positions on a longitudinally advanced article, the apparatus comprising a unit including a hollow feeding element, a receptacle for the material, means actuable to force quantities of the material through the feeding element and eject them from the element, a carriage for supporting the unit mounted for longitudinal and rocking movement, means operable to impart rocking and longitudinal movement to the carriage whereby the outlet end of the element will move in a circuitous path relative to the article to first position the ejected quantities of material above the article and then lay the quantities of material on the articles, and variable means in the mounting means for the carriage for controlling the movement of the carriage relative to the article and the location of the quantities of material on the article.

2,587,285

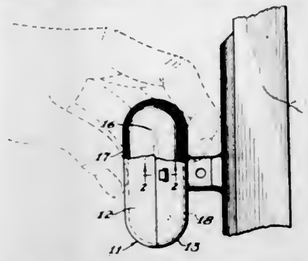
DOORKNOB ATTACHMENT

Edward W. Broscoe, Chicago, Ill.

Application December 2, 1949, Serial No. 130,731

4 Claims. (Cl. 292—347)

2. In combination, a door knob, and a shape-retaining shell loosely fitted over said door knob, said shell having an open axial area so as to expose the axial area of each face of said knob and comprising a pair of rings having cooperat-



ing tongues and slots securing said rings together.

2,587,286

RECOVERING CONCENTRATES OF VANADIUM AND/OR URANIUM FROM RAW MATERIALS

Nils Herman Brundin, Hoganas, Sweden, assignor to Ekstrand & Tholand, Inc., New York, N. Y., a corporation of New York

No Drawing Application October 26, 1948, Serial No. 56,658. In Sweden November 27, 1946

17 Claims. (Cl. 23—14.5)

1. A method of obtaining concentrates of the vanadium and uranium compounds from acid, aqueous solutions having a low concentration of dissolved compounds of at least one of the metals of the class consisting of vanadium and uranium together with large concentrations of other dissolved metallic compounds of the class comprising iron and aluminum compounds, which method comprises converting to the bivalent state substantially all of any ferric iron present in the solution and any pentavalent uranium present to the quadrivalent state, thereafter adding to said solution a base in a quantity to precipitate substantially only as much ferrous hydroxide as is precipitated by the time all the vanadium and uranium is completely precipitated from the solution, separating from the solution the mixed precipitate of ferrous hydroxide containing the precipitated vanadium and uranium compounds, and treating said mixed precipitate for the recovery of a concentrate of said vanadium and uranium compounds.

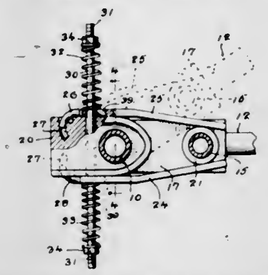
2,587,287

SELF-CLOSING GATE

John W. Chamberlain, Iron Mountain, Mich.

Application July 20, 1949, Serial No. 105,746

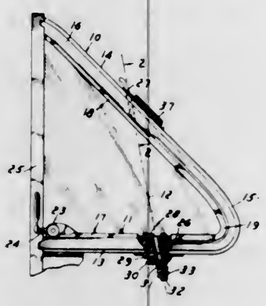
1 Claim. (Cl. 39—32)



In a spring closing device for a gate including a tubular frame hingedly connected to a post, a block secured to said post, a roller arranged adjacent said block and rotatably mounted on the tubular frame of said gate, a pair of spaced straps

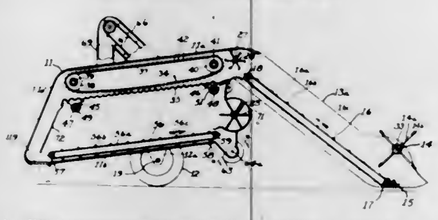
straddling said roller and block, a horizontally disposed rod extending through said straps and block, a coil spring circumposed on each end of said rod and contacting said straps, and means for varying the tension of said coil springs.

2,587,288
VENTILATOR WINDOW CONSTRUCTION
Harry J. Chapman, Grosse Pointe, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application February 20, 1950, Serial No. 145,190
10 Claims. (Cl. 296—44)



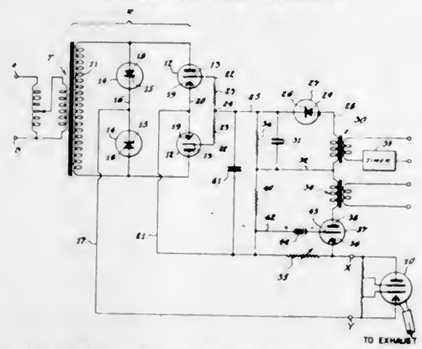
1. A window assembly comprising a main frame having a bottom portion, a top portion and an intermediate portion connecting the top and bottom portions, a ventilator frame having portions corresponding generally to said main frame portions and positioned in the main frame with the corresponding portions of said frames adjacent one another, means pivotally supporting the ventilator frame in the main frame for swinging movement about an up and down axis, said means including a pin secured to the top portion of the ventilator frame and projecting through a slot in the top portion of the main frame, said slot being elongated in the direction of length of the top portion of the main frame to freely receive the pivot pin and permit shifting movement of the pin lengthwise of the top portion of the main frame, and yieldable means carried by the main frame and exerting a force on the pivot pin in a direction to shift the ventilator frame toward the intermediate connecting portion of the main frame.

2,587,289
THRESHING MACHINE
Harold H. Cook, Steward, Ill.
Application August 24, 1945, Serial No. 612,429
11 Claims (Cl. 130—30)



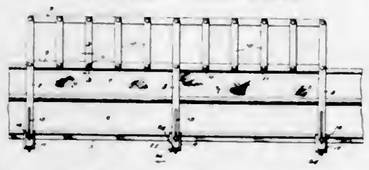
11. The combination in a threshing mechanism of a substantially flat foraminous threshing member extending a substantial portion of the length of the threshing chamber and formed with transverse corrugations on its upper surface, means in the threshing chamber movable lengthwise of said member and superimposed thereover for yieldingly holding said material in position to be operated upon by said member, and means for actuating said member to cause the same to move with a bodily gyratory motion with respect to said holding means to separate the seeds from the roughage through gyratory action.

2,587,290
ELECTRONIC PULSE-POWER SUPPLY
Hampton J. Dailey, Bloomfield, and John J. Borzin, Newark, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 27, 1945, Serial No. 574,918
3 Claims. (Cl. 250—27)



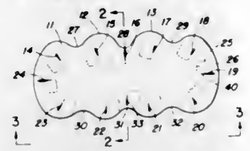
1. An electrical system comprising a rectifier having an input connection for alternating current to be rectified and having grid-controlled electronic devices for full-wave rectification of said alternating current and having output connections for the rectified current, means for pulsing the rectified current, said means automatically and repeatedly applying a negative bias to said grid controlled electronic devices thereby repeatedly interrupting and re-establishing current output therefrom in a pulsed cycle, and a load-sensitive means comprising mechanism rendered conductive in consequence of increase of current drawn by the load, said load-sensitive means being coupled with said electronic devices and connected supplementally to said pulsing means for also applying a negative bias to said grid-controlled electronic devices and thereby interrupting the pulsed output from the rectifier.

2,587,291
FOLDING BED GUARD
Jean B. Des Rochers, Kerrville, Tex.
Application October 25, 1948, Serial No. 56,414
3 Claims. (Cl. 5—331)



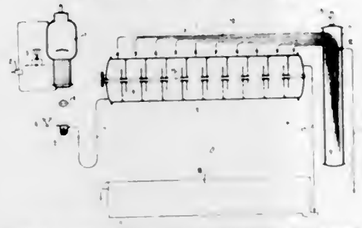
1. A folding bed guard including spaced supporting bars, longitudinal guard members pivotally connected thereto for collapsing of the supporting bars and guard members longitudinally of a bed, clamps removably connectable to a side frame member of a bed, and means pivotally connecting the supporting bars to the clamps, said clamps being individually adapted for fixed connection to a single side frame member of the bed and having openings disposed below said means, the supporting bars including depending fingers receivable in the openings in the vertical position of said supporting bars.

2,587,292
MUSCLE TONUS REPLACER
Harlan S. De Voe, Maplewood, N. J.
Application October 23, 1950, Serial No. 191,596
2 Claims. (Cl. 27—21)



1. A lip-closing appliance for a corpse comprising a thin sheet of stretchable elastic material of greater length than a person's mouth and of a width adapting it to cover teeth and overlap the upper and lower gums, and flesh-penetrating spurs spaced transversely from each other along side edges and end edges of said sheet and projecting forwardly from the sheet and terminating in sharp free ends presented inwardly away from marginal edges of the sheet and disposed in position for exerting pull longitudinally of the facial muscles extending radially from the orbicularis muscle surrounding the mouth.

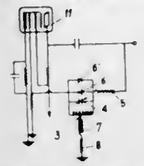
2,587,293
SUGAR CRYSTALLIZING PROCESS
Gerbertus H. de Vries, Hilversum, Netherlands, assignor to Werkspoor N. V., Amsterdam, Netherlands, a company of the Netherlands
Application January 23, 1948, Serial No. 3,943
In the Netherlands January 31, 1947
3 Claims. (Cl. 127—60)



1. The process for crystallizing sugar solutions in a continuous operation by stepwise cooling the sugar solution saturated at a temperature of about 100° C. and charged with seed grains, said cooling being carried out by subjecting the mass to a stepwise increasing vacuum and decreasing temperature and evaporating it without supply of heat, the differences in vacuum between the succeeding steps increasing towards the delivery end of the process.

2,587,294
DEVICE FOR STABILIZING OSCILLATIONS
Lucien Dorbec, Paris, France, assignor to Societe Anonyme de Telecommunications, Paris, France, a body corporate of France
Application May 21, 1946, Serial No. 671,186
In France December 16, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 16, 1962
6 Claims. (Cl. 250—36)

1. A vacuum tube oscillation generator, comprising a tube having at least anode, control grid and cathode elements, an oscillatory circuit external to said tube comprising an inductance and an adjustable capacitance in parallel and connected between the anode and the control grid of the tube, means connected with said oscillating circuit for limiting the amplitude of oscillation, and a negative feed back circuit comprising an element whose impedance increases with frequency, said negative feed back circuit being connected between a point of the inductance in the oscillatory circuit and the cathode of the tube.



2,587,295
ALKYD-POLYSILOXANE RESINS
Charles D. Doyle and Henry C. Nelson, Jr., Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application November 22, 1947, Serial No. 787,624
9 Claims. (Cl. 260—22)

1. The process for making a compatible resinous composition which comprises (1) forming a mixture of ingredients comprising (*a*) a preformed oil-modified alkyd resin containing free residual alcoholic hydroxyl groups, the amount of oil modification in the alkyd resin being from 5 to 80 per cent, and the polyhydric alcohol used in making the alkyd resin being in excess over that required to esterify all the carboxy groups in the alkyd resin-forming reactants, and (*b*) a preformed organo-polysiloxane consisting essentially of silicon-bonded monovalent hydrocarbon groups, silicon-bonded alkoxy radicals, and silicon and oxygen atoms, and containing from 0.1 to 1.0 silicon-bonded alkoxy radicals per silicon atom and from 0.1 to 2.5 hydrocarbon groups per silicon atom exclusive of the alkyl groups in the alkoxy radicals and (2) heating the mixture obtained in (1) at an elevated temperature while at the same time removing the alkanol formed as a result of the interaction of the alcoholic hydroxyl groups of the alkyd resin and the alkoxy radicals of the organopolysiloxane until an intercondensed homogeneous and compatible resinous product is obtained.

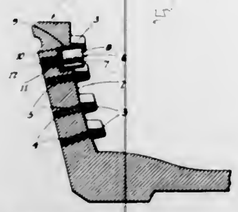
2,587,296
PROCESS OF OBTAINING TORCH FLAME
Albert Jean Ducamp, Chaville, France
No Drawing. Application October 31, 1949, Serial No. 124,719. In France November 27, 1948
3 Claims. (Cl. 148—23)

3. The process of brazing and welding metal parts by means of a torch which comprises introducing into the torch operating gases complexes formed by an alkil glyceroborate and methylglyceroborate dissolved in methyl alcohol.

2,587,297
MATRIX FOR TIRE TREADS WITH LATERAL TRACTION SLITS
Arnold Duerksen, Lodi, Calif., assignor to Super Mold Corporation of California, Lodi, Calif., a corporation of California
Original application July 16, 1948, Serial No. 39,156. Divided and this application November 22, 1949, Serial No. 128,863
2 Claims. (Cl. 18—18)
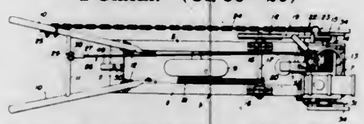
1. A tire tread matrix comprising a circumfer-

ential matrix body having an inner working face, a pair of laterally spaced circumferential radially inwardly projecting ribs disposed on said face, and a plurality of relatively thin transversely dis-



posed inserts; each insert projecting from the side of one rib toward but terminating short of the side of the other rib and the radially inner edges of the inserts terminating short of the the radially inner edges of the ribs.

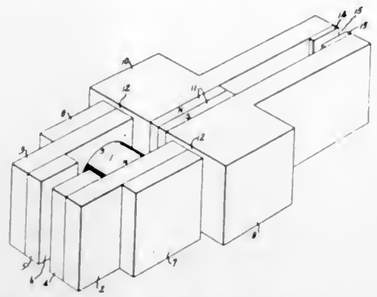
2,587,298
POWER-OPERATED LAWN MOWER
Corbin W. Durham, High Rock, Pa.
Application December 5, 1947, Serial No. 789,828
1 Claim. (Cl. 56—26)



In a tractor mower assembly, a wheeled frame, a rod carried by and extending transversely of the frame, an inverted U-shaped bracket arranged between the ends of the frame and beneath the frame and having ears at the sides of the frame through which said rod extends, the end of said bracket projecting beyond the sides of the frame and having depending end portions provided with openings, a rotary reel-type lawn mower disposed beneath the frame and between the ends thereof and including end castings having reel driving traction wheels mounted thereon, a tie-rod connecting the end castings, and lugs carried by the end castings and removably engaged in the openings of the bracket, and a tension spring attached at one end to the frame and extending downwardly and rearwardly and connected to said tie-rod.

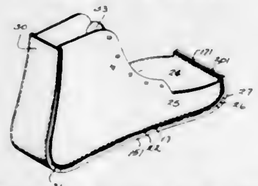
2,587,299
ADJUSTABLE PERMANENT MAGNET ASSEMBLY
Robert F. Edgar, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 31, 1949, Serial No. 113,415
3 Claims. (Cl. 175—21)

1. A permanent magnet and shunt assembly comprising a permanent magnet having a core of magnetized material, a first pair of pole pieces extending from the poles of opposite polarity of said permanent magnet with the extremities of such extensions separated from each other by a working airgap, a shunt assembly comprising a magnetized plate interposed between a second pair of pole pieces and separated from said first pair of pole pieces by a variable airgap, said second pair of pole pieces being reciprocally movable with respect to said first pair of pole pieces to provide the variable air-gap, and said plate being magnetized in a direction to form through its pole pieces a series magnetic loop circuit with said magnetized core and said variable airgap in which the fluxes supplied by said magnetized plate and said magnetized core are in the same direction, and a means for adjusting the position of said second pair of pole pieces



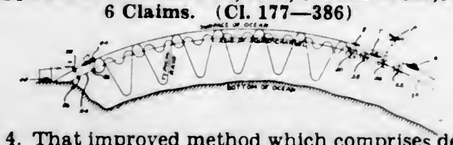
relative to said first pair of pole pieces whereby the effective length of said variable air-gap can be varied.

2,587,300
SHOE WITH SOLE LEATHER TOE
Joseph H. Everston, Milwaukee, Wis.
Application November 14, 1947, Serial No. 785,876
7 Claims. (Cl. 36—8.5)



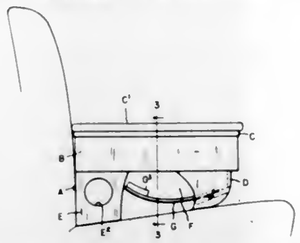
1. In a shoe, the combination with an upper having quarter and vamp portions and provided with an outwardly turned flange substantially continuous along the rear margins and lower margins of the quarters and across the vamp at the front of the upper, an insole having a first stitched connection with such flange at the rear and lower margins of the quarters and across said vamp, and an outsole having a second stitched connection through the insole to said flange along the rear margins and lower margins of the quarters and across the vamp, the insole and outsole having tongues extending upwardly at the front and rear of the shoe and connected between the flanged portions at the rear of the quarters and the sides of the vamp.

2,587,301
METHOD OF SOUND TRANSMISSION
William M. Ewing, Woods Hole, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application November 16, 1945, Serial No. 629,048
6 Claims. (Cl. 177—386)



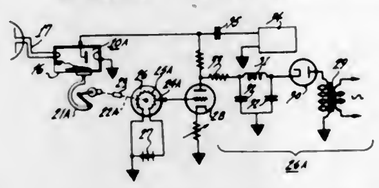
4. That improved method which comprises detonating an explosive in the ocean at its minimum sound velocity level to separate the sound of the explosion in a series of sound rays, recording at another point on the ocean along the same sound velocity level a succession of refracted sound impulses emanating from the explosion, and then measuring the change in time intervals occurring between successive sound impulses to determine the location of said generated sound.

2,587,302
PORTABLE ARMREST
Allard S. Fawcett, Detroit, Mich.
Application January 29, 1951, Serial No. 208,340
5 Claims. (Cl. 155—112)



1. A portable arm rest for vehicle seats comprising a frame for resting upon and extending transversely across a vehicle seat intermediate the ends thereof, the upper end of said frame being at a height for supporting the arm of the occupant of the seat, and the bottom portion of said frame being centrally cut away to engage the top of the seat back for storage of the arm rest when not in use.

2,587,303
MEAN FREQUENCY CONTROL OF FREQUENCY-MODULATED OSCILLATORS
George L. Fernsler, Lawrenceville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 6, 1946, Serial No. 695,307
13 Claims. (Cl. 250—36)



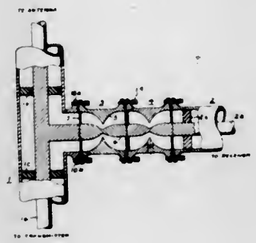
4. In combination with a magnetron and a source of current therefor, a thermal-responsive device in heat-transfer relation to cavity structure of said magnetron, and regulating means actuated by said device to regulate said current source to minimize drift of the frequency of the magnetron output.

2,587,304
CRYSTAL PRESSURE GAUGE
Augustus H. Fiske, Jr., and George E. Ledges, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application November 17, 1948, Serial No. 60,602
2 Claims. (Cl. 171—327)



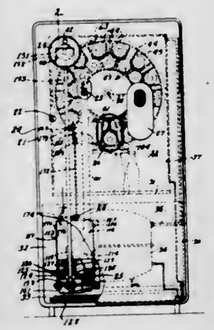
1. In a fluid pressure gauge, the combination of a bolt having a recessed head and an axial bore, a flexible metal diaphragm covering the recess in the bolt head to form a closed chamber, liquid filling such chamber, a flat, circular, disc-shaped piezoelectric crystal cemented within the recess parallel to the face of said bolt head, said crystal being cemented at intervals around its circumference with spaces between the cemented parts so that both sides of the crystal are subject to fluid pressure exerted by said liquid, a wire extending through the axial bore, insulation within the bore between the wire and the bolt forming a fluid-tight seal, and electrical connections between the bolt and one face of the crystal and between the wire and the opposite face of the crystal.

2,587,305
BROAD BAND ELECTRICAL DISCHARGE DEVICE
Milan D. Fiske, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application November 23, 1949, Serial No. 129,141
6 Claims. (Cl. 315—5)



1. A substantially non-resonant electrode structure for an electrical breakdown device comprising a section of concentric transmission line, said transmission line being tapered to form a discharge gap between the inner and outer conductors of said transmission line intermediate the ends thereof, the ratio of the radius of the inner conductor to the outer conductor being substantially constant.

2,587,306
BOTTLE DISPENSING APPARATUS
Gregg F. Forsthoefel, Adrian, and Charles H. Newton, Deerfield, Mich., assignors to Revco, Inc., Deerfield, Mich., a corporation of Michigan
Application January 5, 1946, Serial No. 639,364
3 Claims. (Cl. 194—2)

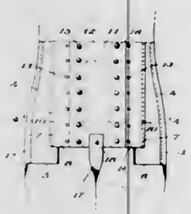


1. A vending machine comprising a cabinet having a compartment for the storage of articles to be dispensed, a main door covering the compartment, a magazine rotatably mounted in said compartment, said magazine being formed with circumferentially spaced cells each adapted to

receive an article to be dispensed, an access opening in the main door in line with the path of said cells, gearing means mounted in the cabinet and operable from the face of the door when said door is closed to advance the magazine and thereby said cells to said opening, means included in said gearing means to restrain the magazine from rotation in one direction at all times but enabling said magazine to be rotated in the other direction, a latch member biased into engagement with said gearing means to restrain the magazine from rotation in said other direction, a spring-pressed rod having a cam adapted to lift said latch into disengaged position, said rod extending toward the door and being abutted thereby when the door is closed and shifted against its spring to disengage the latch, whereby upon opening the main door the latch is engaged with the gearing and the magazine is restrained from rotation by an unbalanced torque of articles carried therein.

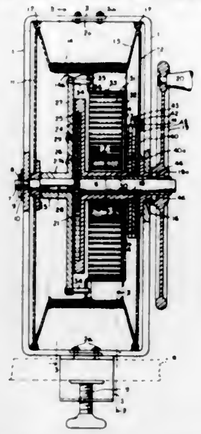
2. A vending machine comprising a cabinet having a storage compartment and a machine compartment, a main door covering both compartments, an article magazine rotatably mounted in the storage compartment, an operating knob mounted on the outer face of the door and provided with a shaft extending into the storage compartment, gearing means interconnecting said shaft and magazine whereby upon rotation of the knob said magazine is advanced, a holding rod extending from said shaft through the door to a region covering the machine compartment, coin freed mechanism mounted on the door adjacent the lower end of said rod and engaging the same to prevent movement thereof until said coin freed mechanism is released, a coin chute in the door extending to said coin freed mechanism, and means connecting the upper end of said rod to said shaft whereby said knob and magazine cannot be operatively rotated until said coin freed mechanism is conditioned for release.

2,587,307
SAFETY BINDER AND SUPPORT
Fernando Garduno, Los Angeles, Calif.
Application April 13, 1948, Serial No. 20,620
1 Claim. (Cl. 2—41)



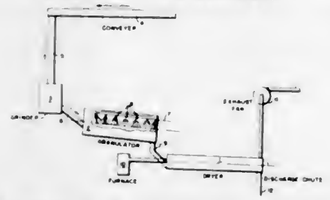
An abdominal supporter comprising a flexible body portion for conforming to the shape of the back and sides of the wearer, a pair of reinforced hip inserts each secured along a vertical side edge thereof to vertical side edges of said body portion, a tapered elastic dart connected to the other side edge of each of said hip inserts, an end panel connected to each of said darts and provided with fastening means thereon, a central panel having complementary fastening means for adjustably securing the central panel to the end panels, a crotch strap having one end detachably connected to said body portion and its other end detachably connected to said central panel, said central panel being provided with a pocket, and a resilient bracing plate positioned in said pocket.

2,587,308
TROLLING REEL
Clement J. Gilette, Detroit, Mich.
Application September 8, 1947, Serial No. 772,767
5 Claims. (Cl. 242—108)



1. A fishing reel comprising a hollow rotatable spool, a frame having an opening receiving said spool, a shaft fixedly carried by said frame at the spool axis, a tubular shaft journaled on said fixed shaft, a drive spring for the spool, coiled within the spool, a tubular arbor for said spring journaled on said tubular shaft, a gear train establishing a drive connection from the arbor to the tubular shaft and multiplying the tubular shaft speed with relation to that of the arbor, an anchorage means for the outer end of the spring fixed upon said fixed shaft within the spool, and a drive connection from said tubular shaft to the spool.

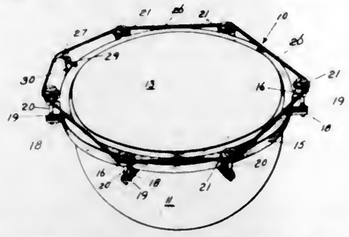
2,587,309
GRANULATION OF SALT CAKE
Albert P. Giraitis, Baton Rouge, La., assignor to Ethyl Corporation, New York, N. Y., a corporation of Delaware
Application June 14, 1950, Serial No. 168,131
3 Claims. (Cl. 23—313)



1. The process of granulating manufactured salt cake to a free-flowing and non-dusting product comprising uniformly adding to finely divided salt cake a sufficient amount of water to provide a total of 10 to 14 pounds of water per 100 pounds of anhydrous salt cake, and then drying said wetted salt cake to a total moisture content of less than 0.5 percent.

2,587,310
KETTLEDRUM
Saul Goodman, Yonkers, N. Y.
Application February 3, 1950, Serial No. 142,260
3 Claims. (Cl. 84—419)

1. A kettledrum comprising: a hollow substantially hemispherical body; a hoop supporting a taut head over the open end of said body; a counter-hoop in operative engagement with said hoop; bearing members extending from said body; and means for producing relative movement between said counter-hoop and said bearing members, whereby the tension of said head over said body may be uniformly adjusted simultaneously



about the entire periphery thereof; said means including a plurality of peripherally spaced rotatable members engageable with said counter-hoop and said bearing members, sprocket wheels carried by said rotatable members, and an endless sprocket chain directly interconnecting said sprocket wheels for simultaneous operation of said rotatable members.

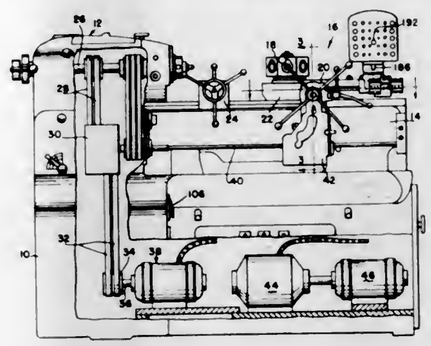
2,587,311
FISHLINE FLOAT
John C. Golnick, Richmond, Va.
Application July 16, 1949, Serial No. 105,120
2 Claims. (Cl. 43—44.93)



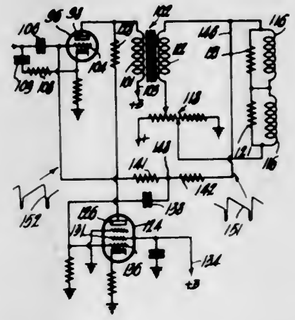
1. A fish line float of the class described, comprising: a buoyant body; a stem projecting outwardly from one end of said body, said stem having a tapered portion with the enlarged end thereof at the outer end of the stem and provided with a longitudinally directed peripheral groove at the tapered portion; a split resilient ring slideably mounted on said stem and adapted upon slideable movement onto the larger part of said tapered portion for clamping against the periphery of said stem and clamping a fish line directed there-through laterally of the groove against the periphery of said stem for retaining said stem in fixed relation to said fish line, there being sufficient clearance between the bottom of said groove and the inner surface of said ring for permitting free sliding movement of said body on a fish line upon engagement of the fish line in said groove; and a head on the end of said stem having a slot formed in its periphery communicating with said groove, whereby a line stretched from the outer side of the buoyant body to the slot in said head will register with the groove in said stem to facilitate reception therein, said head being of larger diameter than the ends of said stem.

2,587,312
TURRET LATHE
Claude E. Greene, Sidney, Ohio, assignor to The Monarch Machine Tool Company, Sidney, Ohio, a corporation of Ohio
Application January 23, 1946, Serial No. 642,906
4 Claims. (Cl. 29—64)

4. In a turret lathe, a rotatable work holding spindle, a tool carrying turret and a slide supporting said turret in reciprocation to and from said spindle, said turret being indexed to its next operative position each time said slide is retracted, electric motor means to drive said spindle and slide, an armature and a field winding in said electric motor means, first and second thermionic rectifiers having a variable output and connected in circuit to control the energization to said armature and said field winding, respectively, a plurality of independently adjustable resistors connected in circuit with each of the first and second thermionic rectifiers, a switch operable to make said resistors successively effective, means responsive to the reciprocation of said slide to actuate said switch, and other switch means operable to reset said switch to its starting point.

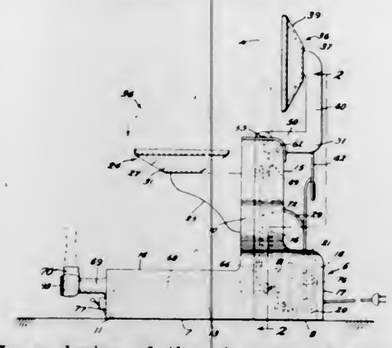


2,587,313
AUTOMATIC CONTROL OF WAVE FORM
Gustave L. Grundmann, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 23, 1948, Serial No. 50,853
8 Claims. (Cl. 315—27)



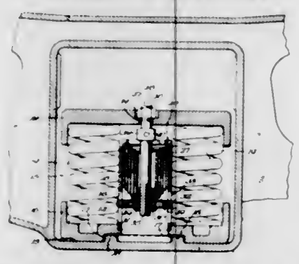
1. A system for maintaining a desired wave form comprising an electric wave source, a utilization circuit for said wave, a wave comparison device, means for applying an electric wave from said wave source to said comparison device, means for applying a wave from said utilization circuit to said comparison device in opposite phase relationship to the wave applied from said wave source and of substantially the same amplitude, said comparison device having means for deriving a differential effect, and means for applying said differential effect to said utilization circuit to offset a departure in the waveform appearing in said utilization device from the waveform supplied by said electric wave source.

2,587,314
SANDWICH GRILL
Mitchell A. Hall, Fort Thomas, Ky., assignor to Bar-B-Buns, Inc., Norwood, Ohio, a corporation of Ohio
Application March 31, 1949, Serial No. 84,630
10 Claims. (Cl. 99—342)



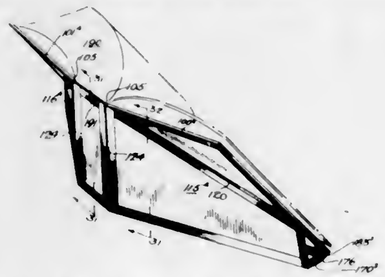
1. In a device of the character described a stand, a standard carried by the stand, a stationary die member sustained by the standard, a two-part, joined plunger mounted for reciprocating movement within the standard, a pressure applying die member mounted on one plunger part, driving means associated with the remaining plunger part for actuating said pressure applying die member toward and away from the stationary die member, a control lever for operating said driving means, a stop on the first mentioned plunger part, and an elongated, fixed abutment on the standard disposed in the path of the stop and extending laterally therefrom, and being fixed on the stand in position to cause pivotal movement of said plunger part adjacent its extended limit of motion.

2,587,315
RAILROAD CAR TRUCK
James L. Haynes, Glen Ellyn, Ill.
Application March 15, 1945, Serial No. 582,846
2 Claims. (Cl. 105—197)



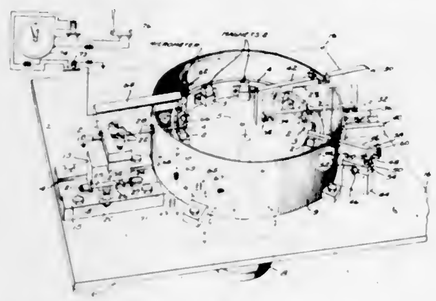
1. In a freight car truck embodying spaced side frames and a bolster, rocking elements carried by the side frames for supporting the bolster, said elements comprising vertically spaced opposed members, a plurality of helical springs disposed between said members, an involute spring disposed between said members, means connected to the lower one of said vertically spaced members to prevent upward movement of the upper end of said involute spring, a vertically movable support for said involute spring at the lower end thereof, movable connecting means between said support and the upper one of said vertically spaced members, said connecting means being movable to simultaneously raise said support for placing said involute spring under compression and to lower the upper one of said vertically spaced members for placing said helical springs under compression, said involute spring comprising a spiral coil having contacting surfaces thereby creating a friction between those contacting surfaces, whereby the involute spring will snub excess vertical spring action of said helical springs and will retard upward movement of the upper one of said vertically spaced members, the contacting surfaces of the rocking elements with the side frames being curved, and the said bolster being centered by the force of gravity, operating to produce a horizontal inwardly acting transverse force at each rocking element.

2,587,316
ARTICLE SUPPORT AND THE LIKE
Glenn C. Henry, Moorestown, N. J.
Application August 15, 1946, Serial No. 690,812
23 Claims. (Cl. 248—35)



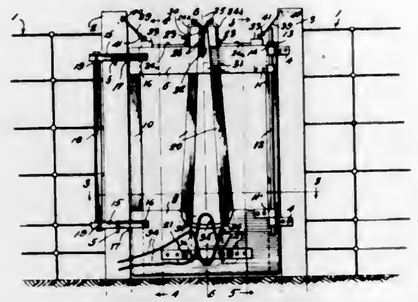
2. In an article support, hinged covers, supports outwardly hingedly connected to the covers having a position substantially flat with respect to the covers and a position diverging therefrom, in combination with positive means for erecting the supports by opening or closing the covers including a hinge connection between the supports which diverges from the line of the cover hinge in all positions, and which is upstanding from a supporting surface in open position.

2,587,317
RESONANT VIBRATION FATIGUE TESTER
Otto H. Henry, Caldwell, N. J.
Application October 8, 1946, Serial No. 702,049
10 Claims. (Cl. 73—67)



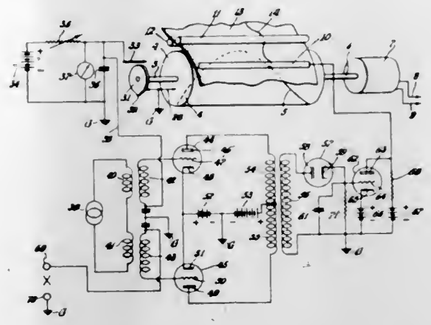
1. Resonant vibration fatigue testing apparatus having, in combination, an apparatus frame, a holder for a test piece, a support having thereon a continuous series of substantially uniformly spaced magnets, said holder and said support being mounted on said frame for relative movement of said holder and said series of magnets past each other with the test piece carried by said holder successively presented in such proximity to the respective magnets of said series during the relative movement of the magnets and the holder that it is brought successively into and out of the fields of magnetic pull of said continuous series of magnets, and means for effecting such relative movement.

2,587,318
ALL STOCK CONTROL GATE
Loy R. Hively, Bridgewater, Va., assignor of one-half to E. S. Ashby, Harrisonburg, Va.
Application June 2, 1950, Serial No. 165,745
7 Claims. (Cl. 119—96)



1. An animal holder comprising a gate having a hinge structure at one side edge for pivotally mounting the gate, said gate having vertical side bars, front and rear upper and lower cross bars extending between said side bars and secured against front and rear faces thereof, the lower cross bars having upper edges formed midway the width of the gate with aligned recesses for receiving the neck of an animal thrust through the gate, bars disposed vertically adjacent opposite sides of said recesses and constituting yokes having lower ends pivotally mounted between the lower cross bars and upper end portions extending between and upwardly from the upper cross bars, arms secured against outer faces of the upper cross bars and extending upwardly from the upper bars between upper ends of said yokes, said arms being formed with aligned openings at their upper ends, hinges having inner leaves secured to upper portions of said yokes and outer leaves extending from the yokes towards opposite side bars of the gate, blocks carried by the outer leaves of said hinges and extending downwardly therefrom and fitting between the upper cross bars and extending longitudinally thereof with their outer ends in position for abutting engagement with the side bars to hold the yokes adjacent each other in a gripping position, cross heads carried by outer ends of said blocks for resting upon the upper cross bars and limiting downward movement of the blocks between the upper cross bars, an operating line having branch lines extending therefrom and connected with the cross heads and serving to swing the blocks upwardly to a raised position allowing movement of the yokes away from each other to a releasing position when the line is pulled upon, and a second operating line having branch lines extending therefrom and slidably passing through the openings of the arms and secured to one arm, portions of the branch lines of the last mentioned operating line being slidably passed through eyes at upper ends of the yokes and serving to pull the yokes towards each other when pull is exerted upon the said operating line.

2,587,319
QUANTITY RECORDER
John V. L. Hogan, Forest Hills, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware
Application April 12, 1945, Serial No. 588,037
3 Claims. (Cl. 346—33)



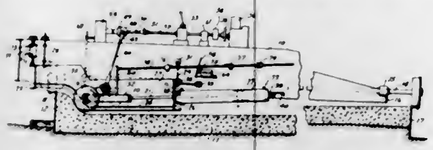
1. A recording system for recording a varying electrical quantity including the combination of, a cyclic recorder for marking at a point on a record sheet determined by the timing of a recording impulse, a saw-tooth voltage generator, means for synchronizing said saw-tooth voltage with the recorder, means for comparing a voltage to be recorded with said saw-tooth voltage, and means for generating said recording impulse at the instant when the saw-tooth voltage equals the voltage to be recorded.

2,587,320
ADJUSTABLE SIDE-JAW WRENCH
Svante Erik Gustaf Högstadius, Stockholm, Sweden
Application February 27, 1947, Serial No. 731,349
In Sweden January 10, 1946
1 Claim. (Cl. 81—87)



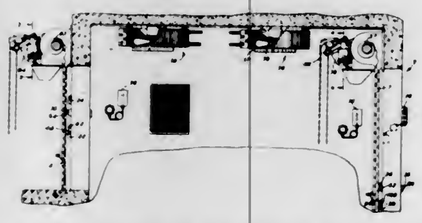
A lever actuated pivoted side jaw wrench comprising a shank having a fixed jaw, a slidable jaw on the shank provided with teeth on its inner end, a handle swingably mounted on said shank by means of a bearing surface at the inner end of the handle and guided by means of a pin and slot device, the slot being shaped in such manner that said handle during the movement to and from said shank is caused to be moved in an axial direction, a dog loosely supported by the handle and provided with teeth cooperating with the teeth on said slidable jaw when said handle is moved toward said shank, the dog being disengaged from the teeth on the slidable jaw when the handle is moved in the opposite direction and brought by the handle to a new position in relation to the slidable jaw.

2,587,321
MACHINE FOR FORMING AND FINISHING CONCRETE SURFACES
John H. Hohnke and Carl R. Anderson, Detroit, Mich.
Application May 26, 1947, Serial No. 750,576
9 Claims. (Cl. 94—45)



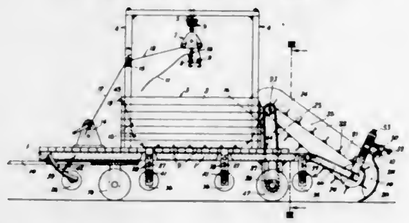
1. A machine for forming a roll type curb along the edge of a road surface from a plastic material such as concrete comprising a carriage movable in a direction longitudinally of the curb being formed, a frame supported on said carriage and movable thereon, track members on said frame extending transversely of said direction of movement of said carriage and having a contour corresponding to the contour into which the curb is being formed, said track members having a pair of vertically spaced horizontal portions and an intermediate portion connecting and substantially inclined to said horizontal portions, a roller supported by said track members, means for reciprocating said roller along said track members and over the surface of said material, and means for rotating the roller about its axis in a direction such that the tangential movement of its surface at the point of contact with said material is the same as the direction of its bodily movement and means acting between said frame and carriage for raising said frame on said carriage during a portion of the stroke of the roller so as to lift the roller out of contact with the curb surface.

2,587,322
METHOD OF AND APPARATUS FOR CONTROLLED HEATING OF ENCLOSURES
Herman W. Hubers, Jr., Essex, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 28, 1949, Serial No. 118,318
6 Claims. (Cl. 237—2)



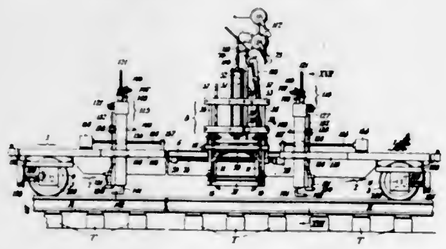
1. An apparatus for controlling temperatures of rooms, which comprises a room having a doorway, a door movable between open and closed positions, a heater for heating air, a fan for blowing air through the heater transversely across the doorway, an electric motor for driving the fan, a power line, a relay having a winding and contacts in series with the motor and the power line, a thermostatic switch positioned inside the room in series with the relay winding and closable when the temperature in the room is below a predetermined point for energizing the motor, a second thermostatic switch positioned outside the room in series with the relay winding and in parallel with the first-mentioned switch, said second-mentioned switch being closable when the outside temperature is below a predetermined value, a third switch closable by the door as the door is opened in series with the relay winding and the second-mentioned thermostatic switch, and a manually operable switch having a contact in series with the thermostatic switches, a contact in parallel with the thermostatic switches and the third-mentioned switch and a contactor movable into selective engagement with the contacts and in series with the relay winding.

2,587,323
RAKING AND BUNDLING MACHINE
Bouke Bontje Huizinga, Leeuwarden, Netherlands
Application June 5, 1946, Serial No. 674,533
In Great Britain March 23, 1946
6 Claims. (Cl. 56—341)



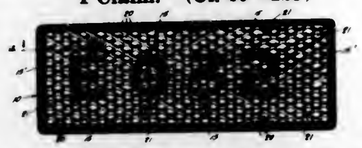
1. An agricultural machine for collecting, packing, and unloading hay in a field comprising, in combination, a frame having a floor on which the hay is collected and packed, a plurality of ground bearing wheels mounted on said frame for movably supporting said machine, and means including at least a pair of spaced rollers depending downwardly from said frame for compressing the hay in a compact layer while on the ground, said rollers being spaced above the lower surface level of said ground bearing wheels and extending substantially the width of said frame.

2,587,324
BALLAST TAMPING APPARATUS
Samuel R. Hursh, Bala Cynwyd, and Clarence J. Reigh, Altoona, Pa.; said Reigh assignor to said Hursh
Application October 8, 1948, Serial No. 53,518
35 Claims. (Cl. 104—12)



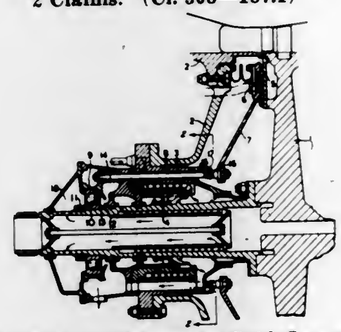
1. In ballast tamping apparatus, a platform with means for supporting it over a railway track; power actuated tamping devices for packing the ballast beneath individual track ties concurrently from opposite sides thereof; and means for supporting the tamping devices from the platform with capacity to be shifted along the latter from position over one tie to position over another tie and to be raised and lowered from and to operative position relative to the track bed.

2,587,325
SIGN
Harry A. Husted, St. Joseph, Mich., assignor to A. T. Tebbe, St. Joseph, Mich.
Application June 11, 1947, Serial No. 753,922
1 Claim. (Cl. 40—125)



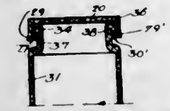
A sign comprising a metal panel having a bright surface area provided throughout with diamond-shaped protuberances, a painted sign character painted over a part of the diamond-shaped protuberances in said area, whereby the unpainted diamond-shaped protuberances in said area serve as light reflecting elements defining the outline of said painted sign character, said diamond-shaped protuberances being arranged in closely positioned rows with the diamond-shaped protuberances in each row being in staggered and nested relation to those in the adjacent rows, whereby any light striking a face of one of said diamond-shaped protuberances will be reflected against a face of an adjacent diamond-shaped protuberance to provide a brilliant contrast to said painted sign character.

2,587,326
SEAL FOR ROTORS OF TURBINES AND LIKE FLUID FLOW MACHINES
Leonard Islip, Rugby, and Sydney William Henry Perry, Knighton, England, assignors to Power Jets (Research and Development) Limited, London, England, a British company
Application March 14, 1949, Serial No. 81,284
In Great Britain March 23, 1948
2 Claims. (Cl. 308—187.1)



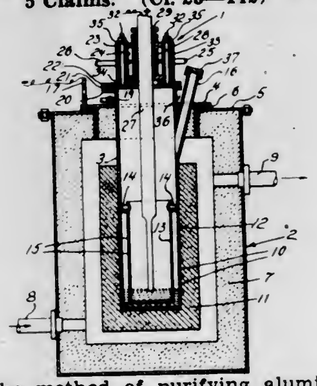
1. A turbine or like rotary fluid flow machine having a rotor, a journal element on said rotor, a journal bearing embracing said journal element externally, stationary structure supporting said journal bearing, a first sealing element mounted on and rotatable with said rotor, a second non-rotatable sealing element axially opposed to the first and disposed therefrom toward said journal bearing supporting structure, a thrust bearing engaging said journal element on the side of said journal bearing remote from said rotor and a housing therefor separate from and movable relative to said stationary structure, and a plurality of axially extending guide members grouped around said journal element and passing through said journal bearing supporting structure and connecting rigidly said thrust bearing housing to said second sealing element, the latter being adapted for at least limited axial movement relatively to said stationary structure.

2,587,327
RESILIENT CAP AND CONTAINER CLOSED THEREBY
Charles J. Jesnig, Florida Park, Pa., assignor to Package Devices, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 12, 1948, Serial No. 26,687
1 Claim. (Cl. 215—38)



In a container, a vessel having a neck provided with an exterior endless annular neck ring extending out radially beyond the adjoining portion of the neck, and a polyethylene cap having an end portion closing the otherwise open end of the neck and sealing against the end of the neck, and an integral endless annular side wall connected to the end portion and extending around the outside of the neck ring and beyond the neck ring away from the end of the neck, the side wall including an endless annular interior flange integral with the rest of the side wall, separated from the portion outside by an open groove free from occupancy by any container wall and extending from the end of the side wall toward the end of the neck ring, joined to the rest of the side wall at the outside of the inner flange and at a position toward the end of the neck with respect to the end of the side wall, the inner flange engaging the neck ring on the side of the neck ring remote from the end of the neck, and an outer flange outside the inner flange and extending to the end of the inner flange, the groove allowing the inner flange inside the groove to expand and contact during application and removal of the cap independently of the outer flange.

2,587,328
PURIFICATION OF ALUMINA-CONTAINING MATERIALS
Arthur F. Johnson, Cambridge, Mass., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application February 12, 1946, Serial No. 647,179
5 Claims. (Cl. 23—142)



1. In the method of purifying alumina-containing materials having oxidic impurities including Fe_2O_3, SiO_2 and TiO_2 by providing in a reduction chamber a mixture of alumina-containing material, cryolite and carbon, heating the mixture to a sufficient temperature to dissolve the alumina in the cryolite and reducing a large part of the iron oxide, separating the reduced iron from the fusion and passing the fusion through a heated carbon filter to reduce remaining iron oxide, and removing the iron reduced

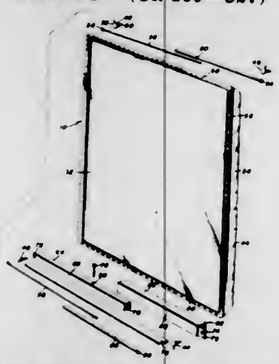
in the filter from the fusion, the improvement which comprises confining within the reduction chamber the gases generated by the reduction, and applying the pressure of such gases to force the fusion to pass through the heated carbon filter.

2,587,329
AMIDES OF ALKYLENIMINES AND β-KETO ACIDS AND PROCESS OF PRODUCING THE SAME
Giffin D. Jones, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 5, 1946, Serial No. 714,147
4 Claims. (Cl. 260—239)

1. The process of producing a water-soluble thermo-reversible gel-forming material, which comprises acylating a 1,2 alkylenimine with substantially less than an equivalent amount of diketene.

4. A thermo-reversible gel-forming material comprising a water-soluble acetoacetamide of a polyethylenimine in which only a minor portion of the secondary amino groups of the polyethylenimine are acylated.

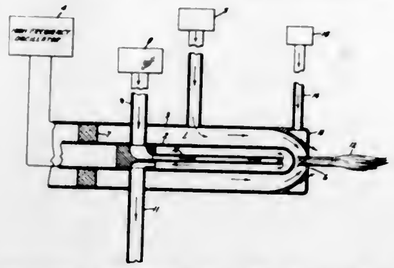
2,587,330
STORM CURTAIN
Robert M. Jones, Baltimore, Md.
Application October 16, 1950, Serial No. 190,315
4 Claims. (Cl. 160—327)



1. In combination with a window frame having facing strips on the side and top thereof, a storm curtain comprising a transparent flexible sheet having a peripheral flange of flexible material on the sides and ends of said sheet and extending at an angle thereto, means including a plurality of relatively diverging arms secured to said facing strips for detachably supporting said flexible sheet in spaced relation to said facing strips or said window frame with said flanges abutting said facing strips, and a marginal elastic strip secured to the edge of said peripheral flange remote from said sheet yieldingly urging said flange into engagement with said facing strip of said frame.

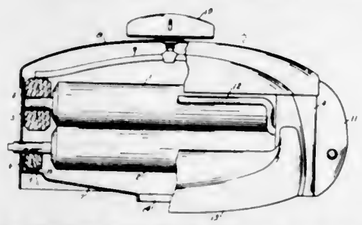
2,587,331
HIGH-FREQUENCY ELECTRICAL HEATING METHOD AND APPARATUS
John Paul Jordan, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application August 8, 1947, Serial No. 767,384
4 Claims. (Cl. 219—14)

1. A heating instrument comprising a concentric transmission line having inner and outer cylindrical members, means for causing a gaseous flow between said members, means for imposing a high frequency potential between said members to establish a high frequency electrodeless discharge in said gaseous flow away from said cylindrical members, said frequency being of the order of one thousand megacycles, the outer of



said members including an orifice for directing said flow into a flame-like column outside of said transmission line, said gaseous flow being of sufficient velocity to cause the thermally active portion of said discharge to form as a flame-like column extending away from said orifice in the direction of said flow.

2,587,332
WRINGER BEARING
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application May 13, 1946, Serial No. 669,380
10 Claims. (Cl. 68—269)



4. In a clothes wringer having a lower roll with a shaft, a wood bearing for one end of the shaft, and draining means beneath the roll having portions defining inclined surfaces directed toward the central portion of the wringer and other portions sealing the central portion of the lower end surface of the bearing from contact with water and elevating the outer portion of the lower end surface of the bearing above the inclined surfaces so it will drain dry, the central portion of the lower end surface of the bearing being curved and said sealing means completely surrounding said central portion of the lower end surface.

2,587,333
REVERSE FLOW ADAPTER FOR WELLS
Kork Kelley, Wichita Falls, Tex.
Application May 15, 1950, Serial No. 162,019
9 Claims. (Cl. 183—2.7)

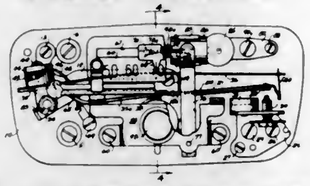
1. A gas-liquid separating device for wells, comprising in combination, an upright well casing having an open lower end communicating with a pocket in an oil bearing formation, an outer shell adapted to be disposed in said pocket and having a lower closed end and an upper open end communicating with said pocket and said lower end of said well casing; an outer cylindrical shell

having its open lower end disposed within said outer shell; means connecting said outer cylindrical shell to said outer shell, said outer shell being of greater diameter than said outer cylindrical shell and spaced therefrom; an inner cylindrical shell disposed in said outer cylindrical shell and having its open lower end disposed in said outer shell below said lower end of said outer cylindrical shell, said inner cylindrical shell being spaced from said outer cylindrical shell to provide a cylindrical gas passage, said outer and inner shells extending upwardly through said well casing, said outer cylindrical shell and said well cas-



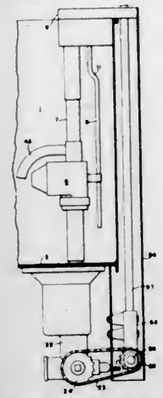
ing being spaced from one another to provide a cylindrical space; and a flexible sealing member secured to said outer cylindrical shell disposed above said upper open end of said outer shell, said sealing member sealing said cylindrical space, said inner cylindrical shell being adapted to conduct oil from said outer shell member, said gas passage being adapted to conduct gas from said outer shell, said flexible sealing member flexing downwardly to allow accumulations of liquid on said sealing member to descend past said sealing members when said accumulations exceed a predetermined volume.

2,587,334
CONTROL DEVICE
Carl G. Kronmiller, Edina, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 2, 1949, Serial No. 113,884
9 Claims. (Cl. 200—139)



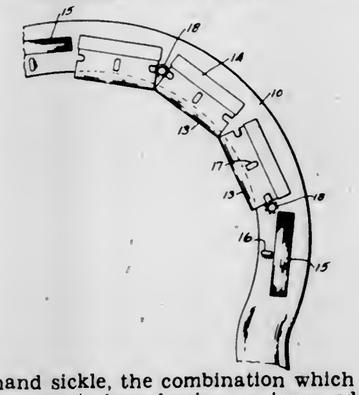
3. In a control device, a base, a thermostat on said base, a first cam for adjusting the control point of said thermostat, a temperature indicator carried by said base, a second cam for adjusting said indicator, a light bulb for illuminating said indicator, a switch controlling the circuit for said bulb, and manually operable means including a member extending through both of said cams for rotating said cams, said member also being axially slidable in said cams to actuate said switch.

2,587,335
THERAPY TANK
Anton F. Landergott, Pittsburgh, Pa.
Application March 6, 1947, Serial No. 732,690
4 Claims. (Cl. 4—180)



1. In a therapy tank, means for circulating and maintaining a turbulent stream of liquid and air including a nozzle with means for adjusting the same vertically and angularly in said tank, said nozzle being connected to a chamber communicating with the atmosphere, a second nozzle within said chamber communicating with a source of liquid under pressure, means for regulating the flow of liquid to said second-named nozzle and means for regulating the air passage leading to the first-named nozzle chamber whereby to control the amount of occluded air in the flowing stream.

2,587,336
SINGLE-EDGE RAZOR BLADE SICKLE
Arvid Larson, East Meadow, N. Y.
Application June 25, 1949, Serial No. 101,316
1 Claim. (Cl. 30—299)



In a hand sickle, the combination which comprises an arcuate base having an inner edge on one radius and an outer edge described on a larger radius, said base having a handle at one end and said handle positioned in a plane spaced from the plane of the base, said base also having spaced elongated longitudinally disposed recesses, rectangular-shaped in plan, in a face thereof and transversely disposed elongated lugs with arcuate ends extended from said face and positioned between said recesses and the inner edge of the base and midway between the ends of the recesses, blades, rectangular-shape in plan, and having sharp edges on one side and re-

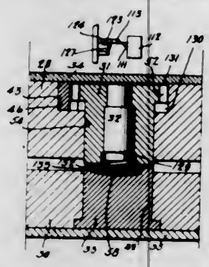
inforcing bars on both surfaces of the opposite sides positioned substantially end to end on said face of the base and with the reinforcing bars on one of the surfaces thereof in the said recesses of the base, said blades also having transversely disposed slots therein and said slots positioned to receive the elongated transversely disposed lugs of the base whereby the blades are located in cutting positions in the sickle, a cover plate having a longitudinally disposed recess in the under surface, said recess having a plurality of spaced notches adapted to receive said lugs and cooperate therewith to clamp the blades in cutting position, said cover being positioned on the base with one edge resting upon the base and the opposite edge in engagement with said blades, and screws with thumb nuts thereon extended through said base and cover plate for clamping the cover plate against the base at one side and against the blades at the opposite side, said screws positioned between ends of the blades.

2,587,337

MOLDING THREADED ARTICLES

John L. Lay, Ogden, Pa., assignor to A. H. Wirz, Inc., Chester, Pa., a corporation of Pennsylvania

Application April 24, 1947, Serial No. 743,657
7 Claims. (Cl. 18—55)



5. The method of molding threaded articles, using a male die having a threaded part and a female die which discharges the molded article solely by motion in the direction of the relative movement of the parts, which comprises forming material to be molded between the dies by closing the dies, moving the female die opposite to the direction of relative closing movement while concurrently moving the threaded part in the same direction as the motion of the female die solely under the action of the adhesion between the female die and the molded object, and subsequently relatively twisting the threaded part and the molded object while maintaining the threaded part free to move over a substantial lost motion away from or toward the female die during the unthreading depending upon the relative rate of unthreading as compared with the aforesaid opposite motion of the female die.

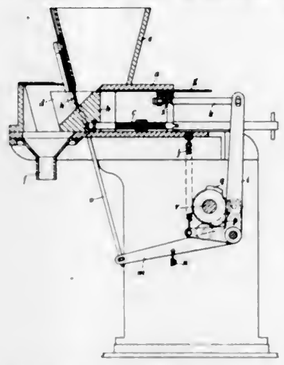
2,587,338

AUTOMATIC MACHINE FOR MEASURING GRANULAR MATERIALS

George Arthur Lee, Cuffley, Arthur Ronald Smith, Birmingham, and Cyril John Hopkins, Cuffley, England

Application December 23, 1949, Serial No. 134,641
In Great Britain January 1, 1949
1 Claim. (Cl. 222—361)

An automatic machine for measuring quantities of granular material, comprising in combination a hollow body having an inlet and an outlet for the material to be measured, a member adjustably located in said body and provided with a trough having an inclined base along which material from the inlet can flow towards the outlet, a reciprocatory member slidable into and out of a position in which it abuts at one end against the inclined base of the trough and forms with the latter a measuring chamber for the material, means whereby the member provided with the trough is adjustable



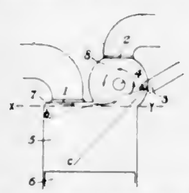
relatively to the reciprocatory member for varying the effective volume of the measuring chamber, a second reciprocatory member slidable into and out of a position in which it covers the upper end of the measuring chamber, and means for actuating the two reciprocatory members in sequence to permit inflow of material from the inlet to the measuring chamber, and outflow of material from the measuring chamber to the outlet.

2,587,339

INTERNAL-COMBUSTION ENGINE

Georges Levesque du Rostu, Paris, France, assignor to Societe Anonyme Andre Citroen, Paris, France

Application July 20, 1945, Serial No. 606,228
In France October 15, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 15, 1962
4 Claims. (Cl. 123—32)



1. In a combustion engine operating through an injection of fuel the combination of means defining a cylinder, a cylinder head having an opening therein communicating directly with the cylinder, an air admission valve controlling said opening and through which opening air enters the cylinder in substantially non-turbulent condition, means defining a turbulent chamber including a top, said chamber communicating with the cylinder laterally of the air admission valve and having the shape of a surface of revolution about an axis perpendicular to the axis of the cylinder and communicating with the cylinder through a comparatively narrow opening, a sparking plug inside the turbulent chamber, the top of the turbulent chamber having an opening therein, an exhaust valve controlling said opening, and an injector including a plurality of jets

opening into the turbulent chamber and directed so as to project the fuel during the admission stroke towards and to intermingle with the flow of air entering the cylinder through the admission valve at an area adjacent said valve.

2,587,340

ESTERS OF ALKANEPHOSPHONIC ACIDS

Allen H. Lewis, Berkeley, and Richard D. Stayner, Albany, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 4, 1948, Serial No. 6,345
4 Claims. (Cl. 260—461)

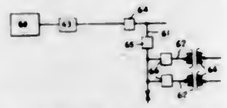
1. A polyoxyalkylene ester of alkanephosphonic acid having a saturated alkyl group of from 10 to 18 carbon atoms attached to the phosphorus atom of said acid and at least one polyoxyalkylene group consisting of a series of from 2 to 5 oxyalkylene groups containing each from 2 to 4 carbon atoms, said oxyalkylene groups being consecutively joined to each other and attached to said phosphorus atom through an oxygen atom and terminating by a member of the group consisting of hydrogen and alkyl radicals of from 1 to 4 carbon atoms.

2,587,341

CIRCUIT OPENING DEVICE

George F. Lincks, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application Nove[illegible]28, 1947, Serial No. 788,567
11 Cla[illegible] (Cl. 200—108)



1. A circuit opening device comprising a stationary support, a contact mounted on said stationary support, a movable support, a second contact engageable with said first mentioned contact mounted on said movable support and movable therewith, means biasing said second contact out of engagement with the other contact, means holding said contacts in engagement against the bias of said biasing means, a ratchet mechanism for releasing said holding means, means responsive to successive current impulses through said contacts above a predetermined value to advance said ratchet mechanism in a step-by-step manner from an initial normal set position to a final releasing position, an armature detent means biased to engage and maintain said ratchet as advanced between said successive current impulses and responsive to normal current through said contacts for releasing said ratchet mechanism for return to said initial normal set position.

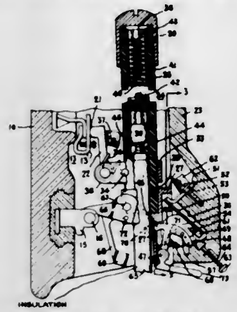
2,587,342

FUSELESS CIRCUIT INTERRUPTING DEVICE

George F. Lincks and Sidney R. Smith, Jr., Pittsfield, Mass., assignors to General Electric Company, a corporation of New York

Application December 23, 1947, Serial No. 793,458
13 Claims. (Cl. 200—88)

13. In a circuit interrupting device, a pair of relatively movable contacts, a movable contact arm for one of said contacts, means normally holding said contacts in engagement, thermal means electrically connected in series with said contacts and responsive to current therethrough above a predetermined value to release said holding means and effect disengagement of said contacts and quick acting electromagnetic means including a coil winding and an armature directly engageable with said contact arm to prevent



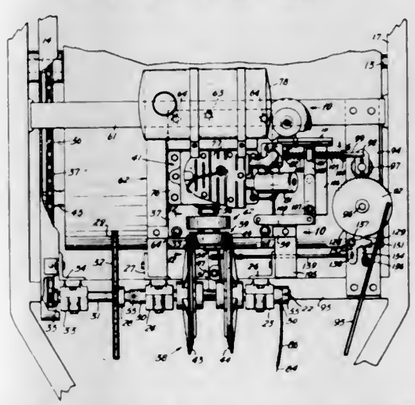
disengagement of said contacts upon the occurrence of a current above a second predetermined value through said contacts in excess of said first mentioned predetermined value and to permit disengagement of said contacts when said current subsequently falls below said first mentioned predetermined value.

2,587,343

POWER DRIVE

Harry W. Lind, Rockford, Ill.

Application January 2, 1948, Serial No. 149
9 Claims. (Cl. 192—.096)



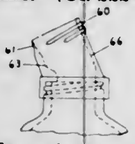
1. In a driving mechanism, the combination of, a shaft, spaced discs mounted on said shaft, a cone engageable alternately with said spaced discs to control the direction of rotation of said shaft, a prime mover for driving said cone and having an accelerator, supporting means for said prime mover, means for mounting said supporting means so that said cone is movable between the respective discs to effect frictional engagement therewith, first linkage means for controlling the position of said supporting means, second linkage means engageable with said throttle for controlling the acceleration of said prime mover in a predetermined manner, a brake engageable with one of said spaced discs for arresting movement thereof, third linkage means for controlling said brake, and means for simultaneously controlling the first, second and third linkage means and having a plurality of positions whereby in one position of said controlling means said cone engages one of said discs to effect ro-

tation of said shaft in one direction of rotation at a predetermined speed, in a second position, said cone engages said other disc to effect rotation of said shaft in the opposite direction of rotation at the predetermined speed and in a third position said cone is disposed intermediate said discs and said brake is applied to restrain movement of said shaft.

2,587,344
NONDRIP POURING OUTLET

Jay Gould Livingstone, Akron, Ohio

Application November 14, 1945, Serial No. 628,594
3 Claims. (Cl. 222—571)

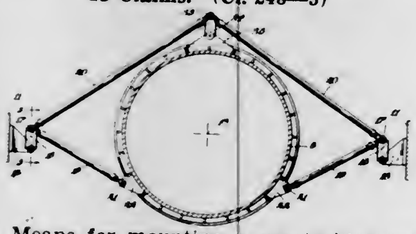


1. An adapter for a bottle, comprising a base portion which includes a threaded skirt adapted to be screwed onto the bottle to form a liquid-tight connection with the bottle, a generally tubular body rising from the base, a portion of the upper edge of the tubular body having a relatively sharp edge to form a pouring lip for the adapter, the exterior surface of the body below the sharp pouring lip being undercut from the pouring lip in the normally upright position, on the interior surface of the tubular body below the pouring lip a recess adapted to hold no more than several drops of liquid, a groove in said interior surface extending from the pouring lip to the recess, and on the exterior surface of the body, toward the top thereof and away from said undercut portion, threads adapted to engage the threads of a closure cap to seal the closure cap against the upper edge of the body and the pouring lip.

2,587,345
SUPPORT FOR INTERNAL-COMBUSTION ENGINES

Adrian Albert Lombard, Clitheroe, England, assignor to Rolls-Royce Limited, Derby, England, a British company

Application January 20, 1947, Serial No. 723,156
In Great Britain March 26, 1946
13 Claims. (Cl. 248—5)

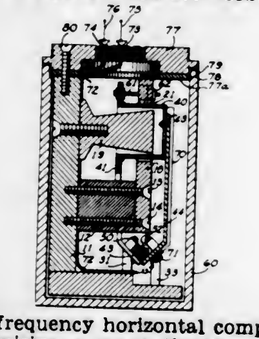


1. Means for mounting a gas turbine engine in a supporting structure, comprising a first mounting including a first pair of coaxial trunnion members disposed on an axis transverse to the longitudinal axis of the engine rigidly connected to the engine and a co-operating pair of members rigidly connected to the supporting structure, whereby said pairs of members co-operate to permit relative rotation of the engine with respect to the structure about said transverse axis but restrain rotational movement about said longitudinal axis; and a second mounting spaced apart from said first mounting longitudinally of the engine and including two pairs of struts, the struts in each pair of struts being articulated together at one end, supporting means to support said ends of said struts from the supporting structure with freedom to move substantially in a plane passing through the longitudinal axis of the engine, and pivotal connecting means connected to the other ends of said struts and to said engine, at least one of said connecting means comprising a swinging link between a strut and the engine.

2,587,346
HORIZONTAL COMPONENT LOW-FREQUENCY GEOPHONE

George B. Loper and Stanley N. Heaps, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application August 29, 1949, Serial No. 112,901
11 Claims. (Cl. 177—352)

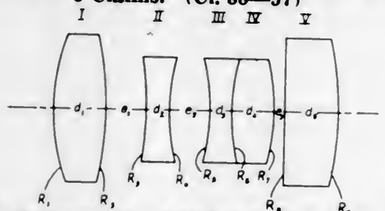


1. A low frequency horizontal component geophone comprising a magnetic structure including a horizontal pole piece, a vertical pole piece having an aperture to receive one end of said horizontal pole piece with an air gap therebetween, vibratory means including a signal-generating coil enclosing a portion of said horizontal pole piece in said air gap, and resilient means forming a frictionless pivot for said vibratory means normally positioned vertically below the center of gravity of said vibratory means, the axis of said pivot being perpendicular to the axis of said horizontal pole piece, said resilient means exerting a restoring force on said vibratory means greater than the gravity moment when said center of gravity is displaced from a vertical plane which includes said pivot, said gravity moment being developed by the weight of said coil acting in opposition to said restoring force in magnitude proportional to said deflection substantially to reduce the net restoring force and to lower the natural period of said vibratory system.

2,587,347
HIGH-SPEED FOUR-COMPONENT PHOTOGRAPHIC OBJECTIVE

Herman Lowenthal, Chicago, Ill., assignor to General Scientific Corporation, Chicago, Ill., a corporation of Illinois

Application November 4, 1948, Serial No. 58,230
5 Claims. (Cl. 88—57)



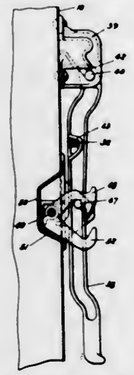
1. A photographic objective having four components axially spaced from each other in air, the first component being positive and having an axial thickness of the order of substantially 5%

of the focal distance of the objective, the second component being negative and having an axial thickness substantially one-half of the axial thickness of the first component and the axial separation between the first and second components being also of the same order as the axial thickness of the first component, the third component being a cemented doublet, the axial separation between the adjacent lens surfaces of the second and third components being substantially smaller than, but of the same order as, the axial lens separation between the first and second components, the fourth component being substantially plano-convex, said third component consisting of positive and negative elements having different refractive indices with the positive element having an index of substantially 1.66 and the negative element having a smaller index and the difference between the two being no more than .15, said third and fourth components all having substantially the same dispersion, said first and second components respectively having higher and lower dispersion numbers than the remaining components, said negative element being substantially equi-concave with the radii being between substantially 35% and 50% of the focal distance of the objective, the fourth component being substantially plano-convex with the last radius being substantially equal to the focal distance of the objective multiplied by the difference between the index of refraction of said fourth component and one.

2,587,348
LATERALLY MOVABLE DOOR SAFETY CATCH

Carl Lute, Hammond, Ind., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application May 16, 1947, Serial No. 748,493
6 Claims. (Cl. 20—23)

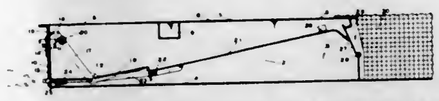


1. In a sliding door for railway cars having a wall provided with a door opening, means embodying vertically disposed bars rotatably mounted on said door for supporting said door for longitudinal movement along said car and transverse movement into and out of said door opening, horizontally swingable levers pivotally mounted on said bars for imparting rotation thereto, a vertically swingable lever on said door, said latter lever being operable to apply a force against said first mentioned levers to impart swinging movement thereto and force said door into said door opening, locking means on said door adapted to lock said vertically swingable lever against the pressure created by forcing said door into said door opening, and a hook-shaped member on said door which is engaged by said vertically swingable lever and limits forceful outward swinging movement of said vertically swingable lever caused by said pressure after said locking means is forcibly released from said latter lever.

2,587,349
ANIMAL TRAP

James W. Mace, Rainier, Oreg., assignor of one-half to William C. Young and one-half to Harold Young, both of Rainier, Oreg.

Application April 1, 1950, Serial No. 153,320
1 Claim. (Cl. 43—76)



An animal trap comprising an elongated housing having an entrance opening in one end and an exit opening at the other end, a cage at the exit end of said housing, a slidable front gate to close the entrance opening, said gate having a lip on the rear upper edge, a gate at the rear end of the housing to close the exit opening, a pair of spaced apart substantially horizontal bars pivoted in the housing, the forward ends of the bars being in the path of movement of the slidable front gate, a front platform supported on the forward ends of the spaced apart horizontal bars, a rear platform secured to the rear ends of the spaced apart horizontal bars and extending toward the rear gate and in contact therewith, the forward end of the rear platform being spaced from the rear edge of the front platform, a pair of substantially L-shaped bars pivoted in the housing adjacent the rear end of the front platform, the upper ends of the L-shaped bars normally engaging the lip on the front slidable gate to hold said gate in open position when the trap is set, a weight at the upper ends of the L-shaped bars to tilt same by gravity to hold open the front gate, an intermediate platform mounted on the L-shaped bars and fitting in the space formed between the rear end of the front platform and the forward end of the rear platform, the front, intermediate and rear platforms being in substantial alignment when the trap is set, whereby when an animal steps from the front platform onto the intermediate platform the L-shaped bars will tilt and the upper ends thereof will release the slidable gate and close the entrance opening, and when the animal steps from the intermediate platform to the rear platform, the L-shaped bars will assume normal position and the weight of the animal will depress the rear platform, and allow the rear gate to open by gravity, and the forward ends of the said spaced apart horizontal bars will rise and open the front gate to be engaged by the upper ends of the L-shaped bars.

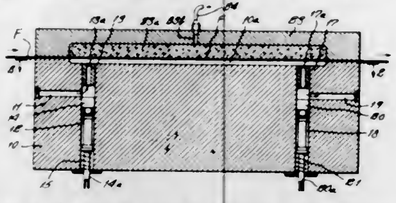
2,587,350
RAPID PROCESSING APPARATUS FOR PHOTOGRAPHIC FILM

Ernest J. Malwald, Jr., Oyster Bay, N. Y., assignor to Kenyon Instrument Company, Inc., Huntington, N. Y.

Application July 25, 1950, Serial No. 175,715
7 Claims. (Cl. 95—94)

1. Apparatus for rapid processing of photographic film, which comprises a processing head forming a path for movement of the film along the head, the head having a recess forming a processing station adjacent said path, a duct communicating with the recess for delivering a processing fluid thereto, a suction pipe communicating with the recess for drawing the emul-

sion face of the film against the edges of the recess and drawing the fluid through the recess, a member having a porous section opposite said recess, the film path extending between said



section and recess, and a suction pipe communicating with said porous section for creating a partial vacuum therein to counteract displacement of the film into said recess.

2,587,351

THERMOSTATIC SWITCH

Ralph M. Manning, West Medford, Mass., assignor to General Electric Company, a corporation of New York

Application October 24, 1950, Serial No. 191,858
3 Claims. (Cl. 200—139)



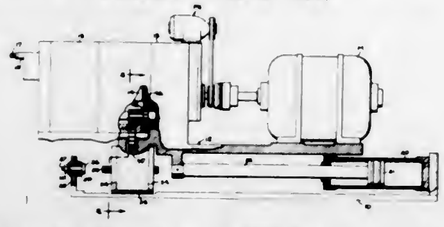
1. A condition responsive switch comprising a flatly disposed elongated subbase at least a portion of which is made of electrical insulating material, a pair of conductive terminal members secured to said insulating portion on one surface of said subbase, an elongated base secured to said subbase by means of said terminal members and supported thereby, said base being positioned in spaced-apart approximately co-extensive relation with said subbase, said base comprising a first elongated conductive member connected to one terminal member and a second shorter conductive member connected to the other terminal, said two conductive members jointly supporting near one end of said device a flatly disposed insulating member having a circular opening therein, a circular cam member having a helical cam surface rotatably positioned in said opening, a circular adjusting dial positioned in concentric interfitting jointly rotatable relation with said cam member, said cam member being selectively rotatable with respect to said dial to provide a first calibrating means, a conductive spring member secured centrally of said base on said first conductive member but insulated therefrom, means connecting said second conductive member electrically to said spring, a conductive supporting arm connected to said spring and extending longitudinally adjacent said helical cam surface, said spring biasing said arm toward said cam surface, a set screw extending through said arm and engaging said cam surface for adjusting the distance between said arm and cam surface to provide a second calibrating means, an elongated conductive condition responsive element having one end secured to said arm adjacent said cam member and extending in substantially parallel spaced-apart relation with said subbase and approximately coextensive with the intervening base, a movable contact positioned near the opposite end of said condition responsive element, and a cooperative fixed contact carried by said base and connected electrically to said first conductive member, said condition responsive element moving said movable contact into and out of engagement with said fixed contact in response to predetermined changes in said condition to make and break an electrical circuit between said terminal members through said contacts.

2,587,352

THREAD-CUTTING MACHINE HAVING RAPID TRAVERSE PLUS POSITIVE CONTROLLED FEED

Sheldon F. Manning, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois

Application January 27, 1948, Serial No. 4,527
3 Claims. (Cl. 10—139)



1. In a machine tool having a reciprocable support for a rotatably driven thread cutting tool, a pressure fluid operated actuator operatively associated with and operative to advance and retract said support, a fixed stop, means for regulating the rate of advance of said support while the tool is in operative engagement with the work including a nut rotatably mounted on said support, a stop screw threaded into said nut and having one end projecting therefrom for coaction with said fixed stop when the support is advanced to a predetermined position, means restraining said screw against rotation, a reversible electric motor drivingly connected with and operative to rotate the tool and said nut in timed relation, control means operable manually to initiate the advance of said support by said actuator, control means operative in response to the advance of said support to said predetermined position for starting said motor in operation in a direction to feed the tool into the work and to retract said stop screw with reference to said fixed stop, control means operative upon further advance of said support for reversing said motor to back the tool out of the work and to advance said stop screw to push the supoprt rearwardly against the action of said actuator, and other control means operative upon the return of said support to said predetermined position for stopping said motor and for reversing said actuator to initiate rapid return of the support to retracted position.

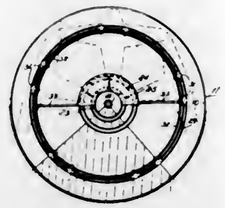
2,587,353

CIRCULAR BUILDING

Howard J. Marschak, Chicago, Ill.

Application April 25, 1946, Serial No. 664,915
2 Claims. (Cl. 214—16.1)

1. A circular building comprising side walls having doors, a roof cooperating with said side walls, an inner turntable within said building, an outer track within said building, a plurality of pairs of dollies rotatable on said track, said turntable adapted to receive the tails of the airplanes, and said dollies adapted to receive the wheels



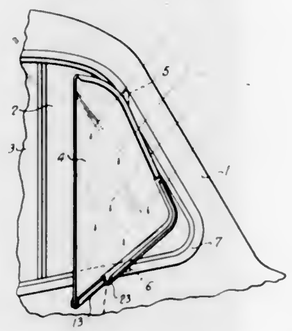
of the airplanes for rotation of said planes to and from said doors for entry and exit of the airplanes, and a spacer ring attached to said dollies and spacing them to space the airplanes and prevent undesired contact between the airplanes.

2,587,354

RAIN TROUGH FOR VEHICLE WINDOWS

Robert J. Mauck, Detroit, Mich.

Application April 5, 1948, Serial No. 18,932
8 Claims. (Cl. 296—44)



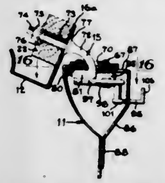
1. In combination with the channel frame of a vehicle body glass panel pivoted on an up and down axis so that a portion of the frame on one side of the axis swings inwardly of the body as the portion of the panel on the other side of the axis swings outwardly of the body, weather-stripping means within said channel frame, a rain trough comprising a channel member having a substantially horizontal portion and an upright portion, said upright portion of the trough being juxtaposed to the outside face of the upright portion of the panel frame which swings inwardly of the vehicle body, said horizontal portion of the trough being juxtaposed to the outside face of the portion of the panel frame from the upright portion of the panel frame to a point on the other side of the said axis where the panel swings outwardly of the vehicle body, said trough having an edge which overhangs the outer edge of the frame and seals against the weather-stripping means within said channel frame, and resilient means on said trough arranged to detachably engage said frame for securing the said trough to said frame whereby when the window panel is open rain striking the portion of the panel inside the body is carried by the trough outwardly of the body.

2,587,355

CASKET CONSTRUCTION

James J. McEwan, Batesville, Ind., assignor to The Batesville Casket Company, Batesville, Ind., a corporation of Indiana

Original application January 15, 1948, Serial No. 2,481, now Patent No. 2,582,841, dated January 15, 1952. Divided and this application August 16, 1949, Serial No. 113,869
2 Claims. (Cl. 27—18)



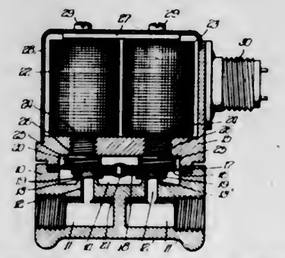
1. A casket structure comprising; a body shell, a lid shell, complementary marginal flanges on said respective shells, hinges connecting said lid shell to said body shell, said hinges including a bracket secured to said body flange, a hinge arm having its lower end pivotally connected to said bracket and having its opposite end anchored in said lid shell, said bracket having a slot to permit said hinge arm to pass therethrough, a latch arm disposed in a plane parallel to said bracket and pivotally connected to said bracket, said latch arm adapted to swing laterally to a position between said hinge arm and said slot to lock said arm in an elevated position thereby latching said lid shell in raised position, and manually operated release means for disengaging said latch arm to lower said lid shell.

2,587,356

REVERSIBLE VALVE STRUCTURE

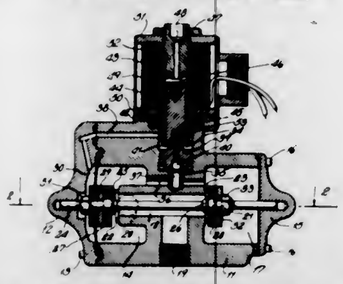
Hal W. McPherson, Chicago, Ill., assignor, by mesne assignments, to The Skinner Chuck Company, a corporation of Connecticut

Application July 16, 1945, Serial No. 605,396
4 Claims. (Cl. 137—139)



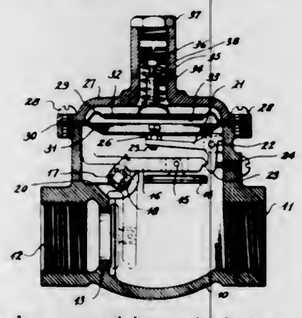
1. A valve adapted to control fluid flow in either direction therethrough comprising means defining a chamber and a pair of ports each terminating in a valve seat in said chamber, said ports being adapted to coact interchangeably such that when either one comprises an inlet port the other comprises an outlet port, valve means comprising a flexible fluid permeable diaphragm of woven material extending across said chamber and having affixed thereto a pair of valve heads each coacting with one of said valve seats for opening and closing said ports whereby fluid pressure established within said chamber by the inlet port will tend to hold the valve head coacting with the valve seat of the outlet port in port closing relation to said outlet port, and means for actuating said valve comprising means for moving said heads into and out of engagement with said seats.

2,587,357
VALVE
Hal W. McPherson, Chicago, Ill., assignor to The Skinner Chuck Company, Norwalk, Conn., a corporation of Connecticut
Application August 6, 1947, Serial No. 766,668
4 Claims. (Cl. 137—144)



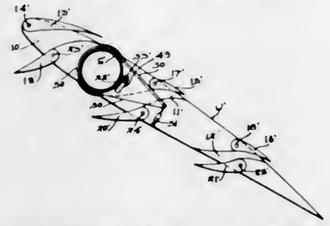
1. A valve comprising a body defining first and second chambers and a passageway interconnecting said chambers, said passageway having first and second valve seats for controlling fluid flow between said passageway and said first and second chambers respectively, a flexible diaphragm in said first chamber dividing it into a first compartment in communication with said passageway and a second compartment isolated from said passageway except through the hereinafter mentioned first duct means, a reciprocably supported stem connected to said diaphragm having valve members cooperating with said seats, said stem and valve members being adapted in different positions to close one of said seats and maintain the other open, ports communicating with said chambers and with said passageway, first duct means for providing communication between said first and second compartments, a relief passageway communicating with said second compartment, second duct means for providing communication between said second compartment and said second chamber, a valve for selectively controlling fluid flow from said second compartment to said relief passageway or from said first and second duct means to said second compartment, and means for interrupting communication in one of said first and second duct means while opening communication in the other thereof.

2,587,358
VALVE
Fred W. McRae, Los Angeles, Calif., assignor to Security Valve Co., Los Angeles, Calif., a copartnership
Application May 17, 1946, Serial No. 670,488
3 Claims. (Cl. 137—153)



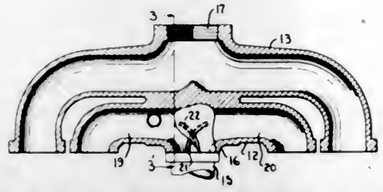
1. A valve comprising a body having an inlet and an outlet which are aligned with respect to each other, the outlet having a valve seat coaxially arranged with respect thereto, said body providing a lateral chamber above the valve seat, a valve closure pivotally mounted in the lateral chamber adapted to assume an open position wholly within the chamber and wholly out of the line of flow from the inlet to the outlet through the valve seat or assume a closed position against the valve seat, a latch pivotally mounted in the chamber engageable with the valve closure to hold the same in open position, a diaphragm in the top of the lateral chamber exposed on its lower side to the pressure in the body, and spring means between the diaphragm and the top of the chamber urging the diaphragm downwardly in opposition to the pressure to engage the latch and cause it to release the closure when the pressure in the body falls below a predetermined degree a coil spring engageable with the latch urging it into position to engage the valve closure, there being an opening in the wall of the body into which the coil spring extends and a removable closure for said opening against which the coil spring is seated whereby on removal of the closure the latch may be caused to release the closure without the latch being engaged by the diaphragm.

2,587,359
AIRPLANE WITH VARIABLE INCIDENCE SLOTTED WING AND ARROWLIKE BEHAVIOR ABOUT THE LATERAL AXIS
Serafín Justo Miláns, Montevideo, Uruguay
Application July 30, 1948, Serial No. 41,486
9 Claims. (Cl. 244—42)



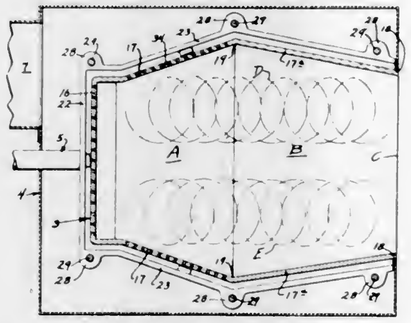
1. In an airplane having a tubular spar extending laterally from the side of its fuselage and a wing rotatively positioned on the spar on a line coincident with the center line of pressure so that the wing can be rotated to vary its angle of incidence, manually controllable means for turning the wing, the wing being formed with spanwisely extending slots, one of said slots being located forward of the spar and two of said slots being located rearward of the spar, a pivotally mounted slat closing the upper end of said one slot located forward of the spar, a pivotally mounted scoop closing the bottom end of said one slot located forward of the spar, two pivotally mounted deflectors closing the top ends of the two slots located rearward of the spar, two pivotally mounted scoops closing the bottom ends of the two slots located rearward of the spar, means interconnecting said spar, said slat and said first-mentioned scoop and controlled by rotation of the wing for moving said slat and said first-mentioned scoop to open positions as the wing is rotated changing its angle of incidence, and means interconnecting said spar, said two deflectors and said two scoops and controlled by rotation of the wing to act in unison with said first interconnecting means to move said two deflectors and said two scoops to open positions when said slat and first-mentioned scoop are moved to open positions.

2,587,360
INTERNALLY RIBBED MANIFOLD FOR MULTICYLINDER INTERNAL-COMBUSTION ENGINES
Arthur F. Milbrath, Milwaukee, Wis., assignor to Wisconsin Motor Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application February 16, 1949, Serial No. 77,022
9 Claims. (Cl. 123—52)
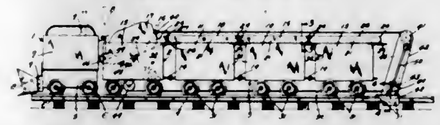


1. As a new article of manufacture, an internal combustion engine manifold comprising a tube having opposed wall surfaces and opposed series of internally projecting ribs along said opposed wall surfaces, each such rib extending helically along the wall of the manifold for less than a full circumference of the tube.

2,587,361
HORIZONTAL TRAY TYPE OIL BURNER
Clarence A. Miller, Petaluma, Calif., assignor to Kresky Mfg. Co., Inc., Petaluma, Calif., a corporation of California
Application August 15, 1947, Serial No. 768,769
6 Claims. (Cl. 158—91)



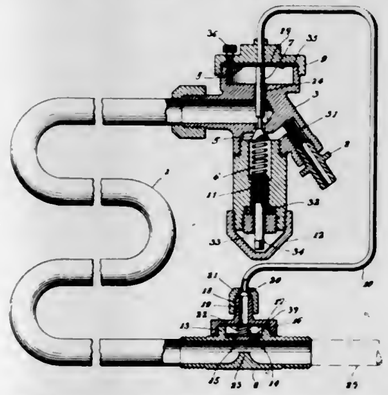
6. In an oil burner adapted to project a flame horizontally, the combination of a mixing chamber composed of a top casting and a bottom casting adapted to be assembled as a unit, said top casting comprising a cover piece, a back skirt portion, a pair of opposed diverging side skirt portions connected to said back skirt portion, and a pair of opposed converging side skirt portions contiguous with said divergiing side skirt portions, said bottom casting comprising a floor, a back wall portion, a pair of opposed diverging side wall portions connected to said back wall portion and a pair of opposed converging side wall portions contiguous with said diverging side wall portions, said top casting arranged within said bottom casting, a flame and combustible gas discharge throat arranged adjacent to the convergent ends of said side skirt and side wall portions and defined thereby, a plurality of spaced apertures provided in said side and back skirt portions and said cover of said top casting, said apertures arranged to enable entry of air therethrough into said mixing chamber, and means to supply oil to said bottom casting.

2,587,362
TUNNEL MUCKING APPARATUS
Earl Edward Miller, El Paso, Tex., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 20, 1949, Serial No. 88,521
7 Claims. (Cl. 214—90)



1. A scraper loading apparatus for use with a train of mine cars adapted to run along a trackway and comprising a scraper car coupled to a mine car at one end of the train and having an inclined slide plate, a series of cooperating separate removable rectangular guide frames resting directly on the tops of the cars of the train and providing a substantially continuous guideway extending lengthwise of the train, each frame having an open center overlying the body of a car by which the frame is directly supported, a box scraper having an open bottom and disposed on said slide plate for receiving the material to be loaded with said plate closing the bottom of said scraper, and a hoist on said scraper car and having pull and tail ropes attached directly to said scraper for moving the latter back and forth to and from said slide plate and along said guide frames, said scraper as it moves from said slide plate along said guide frames discharging the material therein through its open bottom and the frame openings into said cars for loading the material progressively into the cars of the train.

2,587,363
CONTROLLING DEVICE FOR REFRIGERATOR SYSTEMS
Howard C. Miller, New York, N. Y.
Application February 16, 1949, Serial No. 76,840
8 Claims. (Cl. 62—8)



1. A refrigerating system having an evaporator coil, a casing containing an expansion valve at the inlet end of the coil, connection for supplying refrigerant to the coil through the casing and a connection for conducting it from the coil at the outlet end, a coupling at the outlet end of the coil, a heat transferring member in said coupling, means in said casing for controlling said valve, and an open conduit connecting said coupling and said means, said coupling having a fitting attached thereto, the fitting being hollow, and closed by a hollow nut at its inner end, the member projecting through

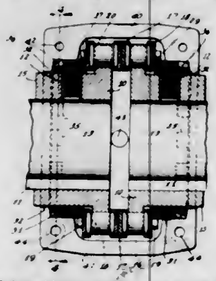
the nut into the coupling, and having a flange at its end engaging said nut, said fitting having a spring therein pressing said member, and a neck on its outer end secured to the conduit.

2,587,364
BALLING GUN
Courtney N. Mitchell, deceased, late of Strongsville, Ohio, by Edith Mitchell, administratrix, Cleveland, Ohio
Application May 20, 1948, Serial No. 28,125
3 Claims. (Cl. 128—217)



1. A balling gun, an elongated hollow member open at one end to form a cartridge-receiving chamber and a handle comprising a hollow tube axially aligned with said chamber and extending thereinto, a plurality of thin, spring-like elements positioned interiorly of said member and adapted to frictionally engage a cartridge when positioned in said member, and means on the end of said handle extending into said member for retaining said elements in position.

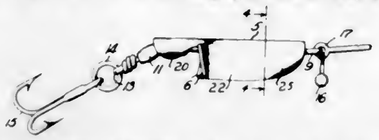
2,587,365
FLEXIBLE COUPLING HOUSING
George G. Mize, Indianapolis, Ind., assignor to Diamond Chain Company, Inc., Indianapolis, Ind., a corporation of Indiana
Application June 14, 1949, Serial No. 99,013
4 Claims. (Cl. 64—19)



1. In combination with a flexible coupling having a pair of operatively interconnected coupling members adapted for respective connection to two approximately aligned shafts, a housing enclosing said coupling and provided with aligned openings, rings of resilient material in sealing engagement with the coupling members and housing, said coupling and each of said rings having intermeshing tooth-like projections providing a positive driving connection between the coupling and rings, said housing and each of said rings having intermeshing tooth-like projections providing a positive driving connection between the housing and the rings.

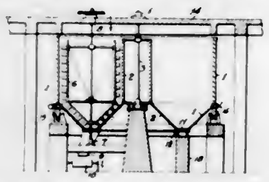
2,587,366
SPINNING FISH LURE
Andrew Montali, Avonmore, Pa.
Application May 11, 1950, Serial No. 161,453
4 Claims. (Cl. 43—42.16)

1. A spinning fish lure comprising a pair of swivels each having eyelets, means connecting adjacent eyelets of the swivels, a connector for attaching a hook to the free eyelet of one swivel, the free eyelet of the other swivel providing for line attachment, a body member of sheet material comprising an elongated generally four sided main wall having its major axis extending over said swivels, and having integral tabs, extending from each edge of said main wall and partially curved back over it to engage about the swivels



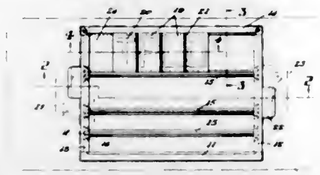
and hold them against the main wall, said tabs being shaped and sized to expose a portion of the underside of said main wall, the tabs from a pair of corresponding edges having fins integral therewith, said fins extending laterally from the main wall along the minor axis thereof and being pitched to provide for spinning the same.

2,587,367
CONTINUOUS APPARATUS FOR THE MANUFACTURE OF SUPERPHOSPHATES AND SIMILAR PRODUCTS
Jean Moritz, Chatou, France
Application January 17, 1946, Serial No. 641,710
In France January 6, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires January 6, 1959
2 Claims. (Cl. 23—259.2)



1. Apparatus for the manufacture of superphosphate and like products, comprising an outer cylindrical shell, bearings supporting said shell for rotation about its vertical central axis, an inner cylindrical shell, a central bearing structure supporting said inner shell for free and independent rotation upon the same axis, said shells defining therebetween an annular chamber for receiving the product to be treated, the lower edges of both of said shells being respectively provided with annular portions deflected toward one another to provide a bottom for said chamber and being spaced apart at their points of closest approach to one another to define a ring-shaped aperture about the bottom of said chamber, a vertical baffle plate fixedly supported between said shells and shaped to conform substantially to the profile of said chamber, means for importing rotary motion to one of said shells, means located to one side of one baffle plate for supplying liquid reaction mixture to said chamber, means located to the opposite side of said baffle plate for extracting solid material from said chamber through a portion of said aperture, means including a flat metallic ring-like closure element lying substantially entirely in a single plane beneath said chamber and arranged to contact said annular portions to close said aperture from a point relatively near the means for supplying liquid to said chamber to a point relatively near said extracting means in the direction of said rotary motion, and means for urging said closure element into contact with the lower margins of said annular portions.

2,587,368
TYPE ASSEMBLY DEVICE
Joseph F. Murphy, West Roxbury, Mass., assignor to Lumitype Corporation, Roxbury, Mass., a corporation of Massachusetts
Application June 15, 1948, Serial No. 33,092
1 Claim. (Cl. 40—140)

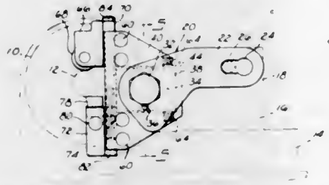


A body type assembly device comprising a rectangular frame having end members with grooved walls, a series of shouldered guide sections having transverse heads extending on both sides, fitting the grooves of the end members and being provided with spring-receiving recesses, engaging the walls of the groove in an end member, a bowed spring disposed in each recess and serving to hold its section frictionally at all times against displacement and in adjusted positions in the frame, and blocks having transparent type outlined therein and being held at opposite ends between a pair of guide sections.

2,587,369
METHOD OF ADDING EMULSIFYING AGENTS TO PREPARED ICE CREAM MIXES
Nat H. Nash, Bronx County, N. Y., assignor to Lanco Products Corporation, a corporation of New York
No Drawing. Application May 11, 1949, Serial No. 92,938
5 Claims. (Cl. 99—136)

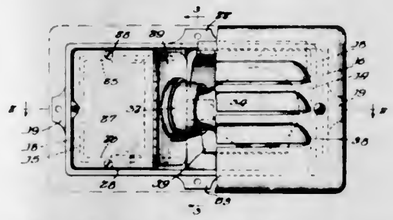
1. The method of emulsifying prepared mixes for ice cream and other frozen confections which comprises adding to the prepared mix, after the pasteurization stage and while the mix is cold, a solution of an emulsifying agent consisting essentially of an ester of a higher fatty acid and a polyhydric alcohol, such solution containing 20% to 30% of said ester dissolved in a non-toxic solvent therefor and the proportion of the ester to the prepared mix being within the range .1 to .2% by weight.

2,587,370
METAL CUTTING TOOLHOLDER
Robert C. Nelson, Kensington, Conn., assignor, by mesne assignments, to John J. Milo, Elizabeth, N. J., doing business as Jersey Manufacturing Co.
Application July 16, 1948, Serial No. 39,019
2 Claims. (Cl. 82—35)



1. A self-centering tool assembly for use on metal working machines, said assembly comprising an apertured support arm detachably secured to the machine, a tool head disposed in side by side relation with said support arm on the outer side thereof and with its front face extending toward the longitudinal axis of the machine, means on said head defining a transverse bearing aperture in registry with the support arm aperture, and means on said head defining a laterally extending channel in the outer side thereof across the open end of said bearing aperture, a stub shaft having a threaded bore disposed in said bearing aperture for rotation of said tool head relative thereto with one end abutting the outer side of said support arm, an abutment head on the other end of said shaft disposed in said channel in spaced relation to the sides thereof, a bolt disposed in the support arm aperture and threadably engaging said shaft, said support arm and said shaft having registering keyways and a pin disposed in said keyways to prevent relative rotation between said shaft and said support arm, and a tool holder adjustably mounted on the front face of said tool head arranged to support a work-engaging tool in proximity to the outer side of said tool head.

2,587,371
BUILT-IN FLOOR ILLUMINATING FIXTURE HAVING A HINGED LAMP SUPPORT AND A HINGED REFLECTOR
Peter W. Nettesheim, Chicago, Ill.
Application October 16, 1948, Serial No. 54,898
5 Claims. (Cl. 240—11.2)

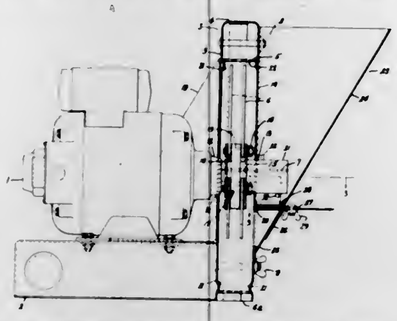


1. A floor illuminating light fixture comprising in combination a casing having top and bottom walls, a back wall and end walls and having inwardly projecting ledges on the said top and bottom walls extending partially the length of the said walls, the said ledges being formed adjacent the free edges of the said top and bottom walls, a plate on the said ledges removably secured to the said top and bottom walls, a second plate hinged to the said first mentioned plate having an opening therein, the said second plate extending transversely of the casing, an electric light bulb fixture mounted on the said hinged plate and extending through the said opening therein, a light bulb in the said electric light bulb fixture and a removable louvered cover plate secured to the said casing.

2,587,372
HAMMER MILL FOR GRINDING FEED
James H. Oliver, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Application December 24, 1949, Serial No. 134,978
2 Claims. (Cl. 241—186)

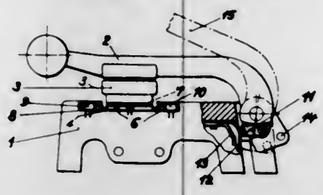
1. In a feed grinding hammer mill comprising a housing having a vertically disposed removable front member and a ground feed exit opening in the lowermost portion thereof, a horizontally positioned rotor disposed centrally in said housing and passing completely therethrough, means for rotating said rotor, a plu-

rality of hammers secured to said rotor for rotation therewith, a circumferentially disposed screen concentric with said shaft and surrounding said hammers, a hopper secured to said removable front, said rotor being provided with an extension projecting into said hopper, said rotor extension being provided with a pair of pins for agitating unground feed in said hopper, a slide plate in said hopper disposed below said



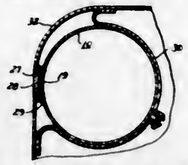
rotor extension, means for moving said slide plate axially of said rotor to define an adjustable feed supply gap, said removable front member defining an opening below a substantially horizontal plane coinciding with the axis of said rotor for admitting unground feed from said hopper to the lower portion of said housing, said opening being arranged to admit unground feed for contact with the radially outermost portion of said hammers.

2,587,373
PRINTING MACHINE FOR PRINTING ADDRESSES
Erich Ostwaldt, Berlin-Hermsdorf, Germany, assignor to Adrema Maschinenbau G. m. b. H., Berlin, Germany
Application March 31, 1949, Serial No. 84,682
In France January 8, 1948
3 Claims. (Cl. 101—65)



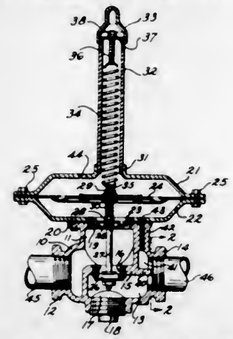
1. A printing machine for printing addresses by means of printing plates having marginal flanges offset along their long edges opposite to the printing surface, said machine being comprised by a base having a recessed track therein for the reception of the printing plates, a printing arm with a printing cushion thereon pivotally mounted on the base, a removable support mounted in the recessed track for supporting the printing plates, screws holding the removable support in position in the recessed track, opposed ledges of U-shapes mounted along the sides of the removable support and each having one leg extending under the latter to be secured in position by the holding screws for the support, and the other leg overlapping the marginal flanges on the printing plates, said opposed ledges being relatively transversely adjustable according to the width of the removable support mounted between same.

2,587,374
FENDER MOUNTED DIRECTED-BEAM AUTOMOBILE HEAD LAMP
William Joseph Patton, Philadelphia, Pa.
Application June 27, 1947, Serial No. 757,493
1 Claim. (Cl. 240—8.1)



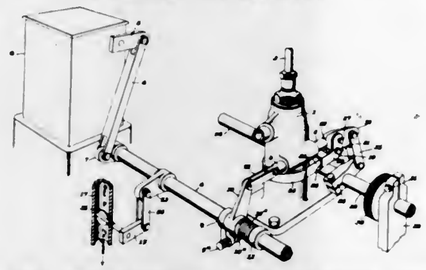
A head-lamp adapted to be mounted within an automobile fender and transmit light rays through a generally horizontal slot therein comprising a generally cylindrical housing having a reflecting inner surface and a lengthwise slotted front wall portion and containing a light source, a light-transmitting plate covering the slot in said front wall portion, and means for mounting the housing comprising a pair of brackets having outer end portions adapted to be secured to the fender, generally arcuate intermediate portions embracing the housing, and juxtaposed inner end portions, and means engaged with said inner end portions for drawing them together to hold the housing against the slotted portion of the fender and clamp the light-transmitting plate between the slotted portions of the housing and fender.

2,587,375
ATMOSPHERIC PRESSURE REGULATOR
William R. Paulsen, Cleveland, Ohio
Application May 17, 1945, Serial No. 594,337
2 Claims. (Cl. 50—23)



1. In a pressure regulating valve, a hollow body having an internal wall dividing said body into inlet and outlet chambers, an inlet port in said body for said inlet chamber, an outlet port for said outlet chamber, said wall having a mid-section disposed substantially along the axis of said outlet port and merging with a terminal section adjacent to and extending partially across said outlet port, said mid-section being formed with a valve port, a valve closure member arranged to close said valve port and to move into said outlet chamber to open said valve port, a valve stem connected to said closure member, an actuating diaphragm operatively connected to said stem means on one side of said diaphragm for exerting a force to open said valve, a housing enclosing the other side of said diaphragm forming therewith a control chamber, a dividing baffle projecting integrally from the mid-section of said wall and extending substantially along the axis of said outlet port, said projecting baffle being substantially flat and extending from side to side across said port and forming with said terminal wall section and the adjacent body walls a static pressure pocket, and a conduit in said body communicating with said static pocket and with said control chamber.

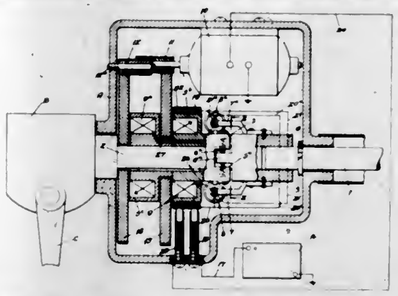
2,587,376
DUAL FUEL INJECTION PUMP CONTROL
Francis Edgar Pelly, Upper Darby Township, Delaware County, and Earl Russell Cave, Philadelphia, Pa., assignors to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application April 27, 1948, Serial No. 23,414
8 Claims. (Cl. 103—37)



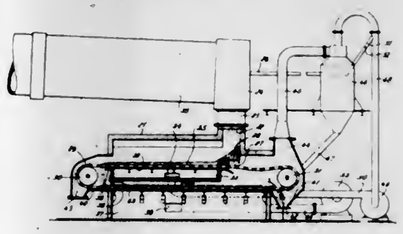
1. The combination in a fuel injection control apparatus for internal combustion engines having injection pumps and a normally movable pump control element for varying the pump discharge comprising, stationary means for limiting movement of said pump control element so that a predetermined minimum pump discharge may be effected, means for varying the limiting position of said limit means so as to vary said predetermined minimum discharge, and means movable relative to said limiting means for operating said normally movable pump element while the limiting means remains stationary, thereby to increase the pump discharge whenever desired, said means for limiting movement of the pump control element including oscillatable members, one for each pump, and the means for varying the limiting position of the limit means including an element commonly connecting said oscillatable members together so that the same may be simultaneously and uniformly actuated.

2,587,377
ELECTRIC POWER APPARATUS FOR STEERING AND THE LIKE
William F. Penrose, Summit, N. J.
Application June 1, 1949, Serial No. 96,559
7 Claims. (Cl. 74—388)

1. An electric power apparatus for steering, and the like, which comprises a manually rotatable shaft, a second shaft to be rotated, a yieldable coupling between the shafts for transmitting torque from the first shaft to the second shaft, the coupling being yieldable to accommodate rotation of the first shaft relative to the second shaft, an electric motor, an electromagnetic clutch operable when energized to effect a driving connection between the motor and the second shaft, circuit means for energizing the motor and the clutch in separate circuits and including an electrical contact on the second shaft, and an electrical contact rotatable with the first shaft and engageable with the other contact, upon yielding of said coupling, and a variable resistor in circuit with said contacts and located in the separate circuit through the clutch, said resistor being operable upon increase of pressure between said contacts to decrease the resistance in the clutch circuit independently of the motor circuit.



2,587,378
METHOD OF COOLING BULK MATERIAL
Louis Steffen Petersen, Forest Hills, N. Y., assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application November 25, 1950, Serial No. 197,563
In Denmark December 30, 1949
5 Claims. (Cl. 263—52)

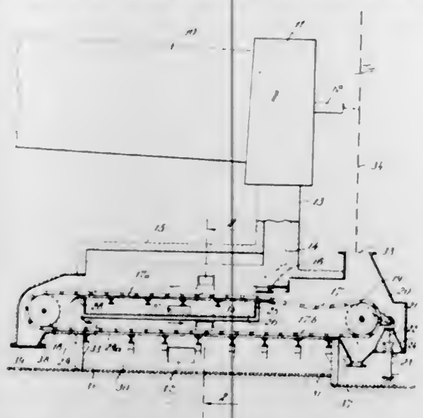


1. The method of burning and cooling bulk material which comprises burning the material in a kiln by combustion of a fuel-air mixture until the material has been burned to the desired extent, then discharging the material from the kiln, forming the discharged material into an elongated bed, advancing the bed of material as a thin layer from the exit end of the kiln to a delivery point, passing air transversely and completely through a part of the bed remote from the kiln to effect final cooling of the material and preliminary heating of the air, preliminarily reducing the temperature of the material by passing at least part of the heated air transversely and completely through a part of the bed adjacent the kiln, said preliminary reduction of the temperature of the material resulting in a final heating of the air, and introducing the finally heated air into the kiln to serve as secondary air of combustion during the burning of the material.

2,587,379
APPARATUS FOR TREATING BULK MATERIAL
Louis Steffen Petersen, Forest Hills, N. Y., assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application November 25, 1950, Serial No. 197,564
In Denmark December 30, 1949
8 Claims. (Cl. 263—32)

1. An apparatus for treatment of bulk material by gases, which comprises a chamber, an

endless gas-permeable conveyor having oppositely moving stretches within the chamber, means for depositing material upon the first stretch of the conveyor, means for directing the material from the end of the first stretch upon the beginning of the second, an outlet from the



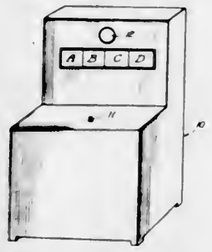
chamber for material delivered by the second stretch of the conveyor, separate means disposed beneath the respective stretches of the conveyor for passing gas through each stretch and the material thereon, and means for preventing gas, which has passed through one stretch of the conveyor, from passing through the other.

2,587,380
RAZOR AND BLADE DISPENSER THEREFOR
Paul Polynice, Southampton, N. Y.
Application June 16, 1949, Serial No. 99,429
1 Claim. (Cl. 30—40)



In combination, a safety-type razor for double-edged blades and a blade dispenser, said razor comprising a blade chamber which is open at each end whereby blades may be inserted and ejected longitudinally therefrom, the upper and lower walls of said blade chamber respectively having longitudinal slits therein extending the entire length thereof whereby said chamber is divided into two portions, a handle connecting said chamber portions, spring means tensioning said chamber portions toward each other whereby the side cutting edges of a double-edged blade positioned within said blade chamber are frictionally engaged by the side walls of said blade chamber, and dispenser receiving means, said dispenser receiving means comprising respective extensions of the side walls of said blade chamber beyond the transverse walls thereof, the front ends of said wall extensions being turned inwardly to form opposing guide flanges, and opposing pins projecting inwardly from said wall extensions, said dispenser having a leading end portion which is less wide than the dispenser main portion, said dispenser having a transverse slot in the leading end wall thereof and means for ejecting a blade longitudinally through said slot, said leading end wall having a transverse pin groove therein, said leading end portion having transverse locking grooves in the respective side walls thereof, said dispenser and said razor being releasably engageable whereby said locking flanges are respectively positioned in said locking grooves, said pins are positioned in said pin groove, the undersurfaces of said guide flanges abut the top wall of said dispenser, and said dispenser slot abuts an end opening of said blade chamber, said dispenser leading end portion spreading said chamber portions when said dispenser and said razor are releasably engaged.

2,587,381
AMUSEMENT DEVICE FOR TESTING A PERSON'S TIMING ABILITY
Vernon A. Peterson, Chicago, Ill., assignor to Cino-Lite Business Trust, Chicago, Ill., a common law trust
Application November 29, 1946, Serial No. 713,171
7 Claims. (Cl. 273—1)

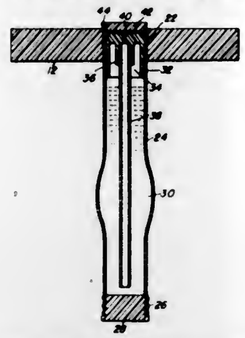


1. In an amusement device, a motor, control means, movable to a motor starting position from which it is later released, a holding circuit energized by movement of said control means to motor starting position, said holding circuit when energized preventing interruption of the actuation of said motor after release by the operator of said control means, a contact arm connected to said motor and adapted to be rotated by said motor, contacts arranged to be successively engaged by said contact arm when the latter rotates, signal means, means connected with each of said contacts for actuating said signal means, only one of said signal means being selectively actuated upon release of said control means, the signal means actuated depending upon which contact is engaged or is about to be engaged by the contact arm when the control means is released, means for preventing actuation of any other of the signal means while the selected signal is still actuated, and means to deenergize said holding circuit for stopping said motor after said contact arm has engaged all of said contacts.

2,587,382
WINDOW WASHER AND WIPER
Stafford M. Pyne, Detroit, Mich.
Application February 2, 1950, Serial No. 141,890
2 Claims. (Cl. 15—136)

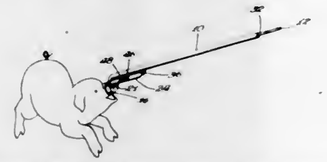
1. A window washer and wiper comprising a rigid base provided with a straight side edge together with means of fastening a window contacting element to said straight side edge, said base having a threaded aperture extending therethrough, a tubular flexible handle having internal and external threads at one end, the external threads being connected with the threads of said threaded aperture thereby connecting said handle to said base, a threaded plug secured to the internal threads of said handle and encompassed by said handle, said plug having a spray orifice with a longitudinal axis perpendicular to said side edge to deliver liquid at right angles

to said edge, a closure secured to the end of said handle opposite from that end which is connected with said base, and a liquid delivery tube



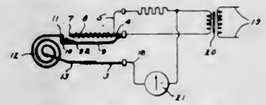
secured to said plug in communication with said spray orifice and being concentrically arranged with said handle.

2,587,383
HOG HOLDER
Heike H. Reents, Havelock, Iowa
Application April 14, 1949, Serial No. 87,529
6 Claims. (Cl. 119—154)



1. A hog holder comprising, in combination: a tubular staff having a handle end and a holder end; two rigid approximately arcuate holding fingers; mountings on said staff for supporting said fingers at the holder end, for pivotal movement about axes parallel with said staff and offset laterally from each other a distance about equal to the radius of curvature of said fingers; each finger lying in a plane approximately normal to said staff, and having one end at its pivotal axis, and extending through an arc of about five-twelfths of a circle to terminate in a free end directed toward the other finger; each mounting comprising a tube parallel to said staff; an axial finger extension rotatable in said tube and integrally joined at its holder end to the adjacent end of its finger; and an irreversible transmission for swinging said fingers toward each other until their ends engage to define most of a rough circle, or back away from each other to leave an opening about twice as wide as the diameter of the circle defined by the closed fingers; said transmission including an operating handle at the handle end of said staff; said handle being movable axially of said staff to open and close said fingers, movement of said handle away from said fingers closing said fingers, and vice versa; and an operative connection between said handle and fingers comprising a rod integral with said handle and telescoped in said staff; a cross connection between the holder end of said rod and tubes axially with said handle and rod; said staff being slotted to leave clearance for said cross connection; two diametrically opposite helical slots in each tube; and a transverse pin in said finger extension, having its ends entered in said helical slots; the pitch angle of said slots being the proximate ends of said tubes, for moving said less than the slip angle, whereby axial force on said tubes is transmitted into twisting force on said extensions but not vice versa; said staff having a rigid cross piece at its extreme holder end, apertured to receive said extensions; said fingers abutting said cross piece to restrain axial movement in one direction; and collars on said extensions abutting the other side of said cross piece to restrain axial movement in the other direction.

2,587,384
ANTIHUNTING TEMPERATURE SENSITIVE DETECTOR
John A. Roberts, East Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application December 15, 1949, Serial No. 133,169
4 Claims. (Cl. 73—352)

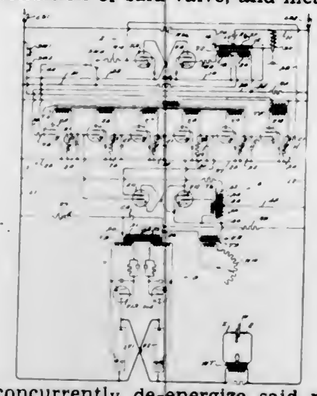


1. In combination, a measuring detector comprising first and second cooperating contacts, a bimetal temperature sensitive member for moving the first contact towards and away from the second contact in response to the cooling and heating of said bimetal member respectively, electrical connections for causing the electrical heating of said bimetal member when the contacts are closed, an electromagnet having a resiliently mounted armature on which said second contact is mounted for moving said second contact towards and away from the first contact, a commercial source of alternating current supply, independent circuits from said source of supply through said contacts and to said electromagnet whereby said electromagnet is caused to vibrate its armature at a rate proportional to the frequency of such source, said resilient armature being tuned to have a natural rate of vibration different from that of its electrical vibration rate by an amount and in a direction which tends to cause said contacts to open near the zero point of the wave of any alternating current flowing therethrough, and a current indicating instrument in series with the bimetal temperature sensitive member and contacts calibrated in terms of the ambient temperature of said detector, the damping of said instrument in relation to its rate of intermittent energization by reason of the operation of said electromagnet being such as to prevent flickering of the instrument indication over the temperature measuring range of said apparatus.

2,587,385
ELECTRICAL CONTROL SYSTEM
Stuart C. Rockafellow, Farmington, Mich., assignor to Weltronic Company, Detroit, Mich., a corporation of Michigan
Application November 21, 1946, Serial No. 711,430
15 Claims. (Cl. 250—27)

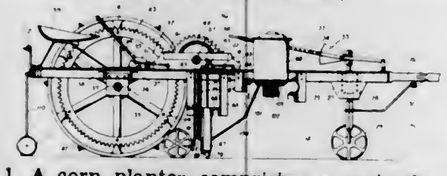
1. An electrical control network for an electronic valve having a pair of principal electrodes and a control electrode, comprising a pair of input terminals adapted to be connected to a first source of electrical potential, a pair of impedance elements connected in series circuit between said terminals, a normally energized element providing a second source of electrical potential connected in series with said elements, means connected across at least one of said elements for applying a potential difference between said control electrode and one of said principal

electrodes, an energizable control element regulating a function to be corrected with the conductive condition of said valve, and means oper-



able to concurrently de-energize said normally energized element and energize said control element.

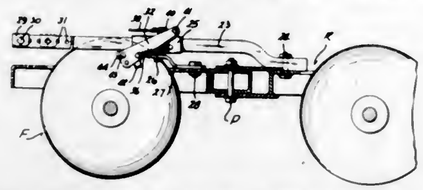
2,587,386
CORN PLANTER
Ralph W. Rounds, Rawlins, Wyo.
Application March 5, 1947, Serial No. 732,576
5 Claims. (Cl. 111—89)



1. A corn planter comprising a main frame, front wheels on and supporting the front of the frame, rear wheels on and supporting the rear of the frame, a driving gear driven by one of the wheels, a multiple crank shaft journalled on the frame and extending transversely thereof, means transmitting drive from said driving gear to the crank shaft to rotate the same, a structure below the crank shaft depending from said frame, a sleeve supported substantially vertically by the depending structure beneath each of the cranks of the crank shaft, a cylindrical shoe reciprocably mounted in each sleeve, connecting rod means between each cylindrical shoe and associated crank to effect the lowering and raising of the cylindrical shoe, a seed valve on the lower end of each cylindrical shoe, a trip mechanism carried by each shoe and adapted to be operated by the associated crank a certain time for opening the associated sleeve valve to discharge the seed, seed containers disposed on the frame ahead of the cylindrical shoes having operating gears, a chute extending therefrom to the depending sleeves for delivering seeds to the cylindrical shoes, and driving mechanism extending between the crank shaft and the operating gears of the seed containers to operate the same.

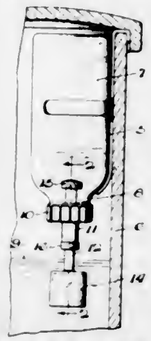
2,587,387
DISK HARROW LOCKING DEVICE
Alvah E. Rutter, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application December 15, 1945, Serial No. 635,233
6 Claims. (Cl. 55—81)

1. In a clamping device, the combination of a bar, a sleeve through which said bar is slidable and means for clamping the bar at any point within the sleeve including a lever swingable toward said bar and pivotally supported at a fixed point relatively to said sleeve, and a roller ec-



centrically journaled on said lever and having a surface engaging said bar in one position of said lever, and means for urging said lever in a direction to cause engagement between said roller and said bar.

2,587,388
DISPENSING CAP
Thomas J. Ryder, Jr., Lincoln Park, N. J.
Application September 4, 1947, Serial No. 772,093
2 Claims. (Cl. 4—227)



1. In a device of the character described, a closure cap adapted to be detachably secured to the opening of an inverted fluid container secured within a flush tank, a sleeve fixed to and extending through said cap and having upper and lower ends with respect to said container, a valve stem slidably mounted within said sleeve and having upper and lower end portions relative to said ends, said sleeve having a bore of a greater diameter than the diameter of said stem to thus provide a fluid passage about said stem, said stem being formed between said portions with a diametrically reduced section defined by a pair of radial and confronting upper and lower end faces, said faces coacting with said sleeve to provide a chamber between said portions for receiving fluid from within said container for discharge into said tank through said fluid passage, a float depending from said lower end portion for moving said stem upwardly and downwardly within said sleeve upon the rise and fall of fluid within said tank, respectively, upper and lower gaskets frictionally secured on said upper and lower end portions for limiting the downward and upward movements, respectively, of said stem and for sealing said ends of said sleeve when engaged therewith, said upper end portion being limited to a predetermined length only sufficient to confine said upper gasket to a position thereon for rendering said upper gasket effective at all times for maintaining said lower face within said sleeve when said upper gasket engages said upper end upon downward movement of said stem whereby, discharge of

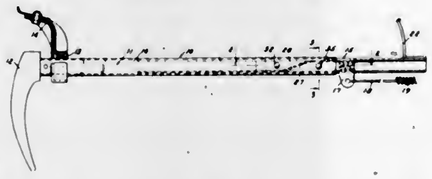
fluid from said chamber into said tank by way of said passage and said lower face is precluded from engagement with the lower end of said sleeve during upward movement of said stem.

2,587,389
HAIR COMBING, CLEANING, AND TRAINING DEVICE
Arthur C. Scheithe, Chicago, Ill.
Application July 13, 1949, Serial No. 104,437
10 Claims. (Cl. 132—19)



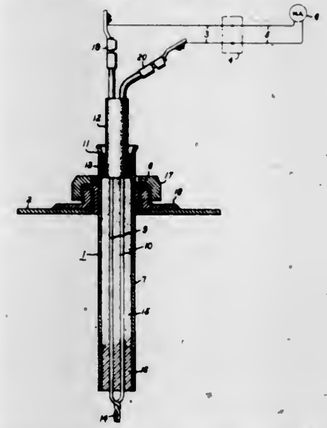
1. In a device of the character mentioned, the combination with a non-metallic hair combing member, of a comparatively more flexible flat metal blade member associated with said combing member adjacent its teeth, and a fine shallow serrated edge on said metal blade for effective frictional engagement with individual hair strands to scrape, cleanse, train, and shine the hair strands as said combined combing and metal blade members are displaced in combing movements through the hair of an individual so that the hair strands transversely flex said blade member away from said combing member teeth to exert an urge on the trailing hair strands.

2,587,390
MANUALLY OPERABLE CONTROL ASSEMBLY
Louis Schweitzer, Royal Oak, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application January 30, 1950, Serial No. 141,247
11 Claims. (Cl. 74—531)



5. A manually operable control device comprising an elongated guide having laterally spaced side walls, an operating member movable relative to the guide in opposite directions lengthwise of said guide, an operated element movable relative to the operating member lengthwise of the guide, a locking device comprising inner and outer wedges slidably supported in alignment on the guide between the side walls thereof and having adjacent wedging surfaces extending obliquely across the guide, a part extending laterally from the outer wedge through registering openings in said member and element, the opening in said member being of a size to enable sliding movement of the outer wedge relative thereto and the opening in said element being of a size to coact with said part in connecting the outer wedge to the element for movement as a unit with the latter, means normally urging the element in an inward direction toward its inoperative position to thereby move the wedging surface on the outer wedge toward the wedging surface on the inner wedge, a second part extending laterally from the inner wedge through an enlarged opening in the member, the relationship between the enlarged openings in said member and the respective parts being such that outward movement of the member engages the part on the outer wedge with the inner side of the registering opening in said member and inward movement of the member engages the part on the inner wedge with the outer side of the registering opening in the operating member.

2,587,391
THERMOCOUPLE
John D. Seaver, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application June 10, 1949, Serial No. 98,210
3 Claims. (Cl. 136—4)



1. A thermocouple for measuring fluid temperatures comprising a tubular metallic housing, means thereon for mounting said housing on an apertured chamber wall in a gas-tight relation, a pair of conductors of dissimilar metals extending through said housing, an insulating cover surrounding said conductors at one end of said housing, means for clamping said insulated portions of said conductors within said end, a refractory insulating powder containing an amount of powered cementitious material packed around said thermocouple conductors and filling the remainder of said housing, said cementitious material being fused to form with the refractory powder a solid plug extending between said housing and said conductors only in a region adjacent the other end of said housing, and a thermocouple junction comprising the ends of said pair of conductors extending from said plug.

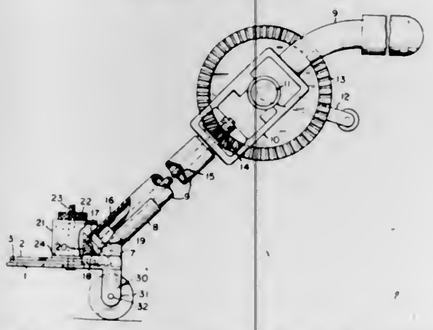
2,587,392
FRICTION WEDGE
James C. Settles and Loree Elwyn Furniss, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio
Original application July 15, 1947, Serial No. 761,038. Divided and this application November 15, 1948, Serial No. 60,008
2 Claims. (Cl. 188—251)



1. A friction shoe for a damping mechanism of a railway car truck comprising, an elongated

rectangular shaped plate having a flat front friction face, a web having a width substantially equal to the width of the plate formed integral with the plate and projecting substantially at right angles from a rear face thereof below the top of the plate, a flange having a width substantially equal to the width of the web integral with a free end of the web, said flange having a top surface inclined outwardly and downwardly relative to the plate in proceeding below said web, a reinforcing rib below the web integral with one edge of the plate and integral with one edge of the web, an arcuate inner surface on said rib substantially merging with one edge of the web, a second reinforcing rib below the web integral with the other edge of the plate and integral with a second edge of the web, an arcuate inner surface on the second rib substantially merging with the second edge of the web, and an arcuate shoulder carried by an under surface of the web substantially merging with opposite edges thereof to define in cooperation with the first two arcuate surfaces a substantially circular spring seat on the under surface of the web having a diameter substantially equal to the width of the web.

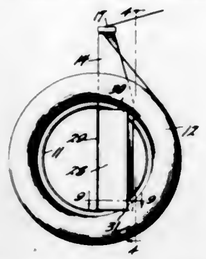
2,587,393
GRASS TRIMMER
Benjamin Harrison Shaffer, Dearborn Township, Mich., assignor of one-half to Walter A. Shaffer, Dearborn Township, Mich.
Application January 12, 1950, Serial No. 138,223
3 Claims. (Cl. 56—243)



3. A grass trimmer comprising a mounting plate having a row of guide teeth at its front edge, a handle, means rigidly securing the handle to the rear portion of said plate, a blade substantially fixed on and surmounting said plate, a companion blade surmounting and laterally reciprocable on the fixed blade, said blades having their front edges formed with coacting cutting teeth, and said guide teeth projecting forwardly from the mounting plate beyond said cutting teeth to deliver grass between the cutting teeth, mechanism carried at least partially by the handle for reciprocating the reciprocable blade, and means maintaining the reciprocable blade in operative juxtaposition to the fixed blade.

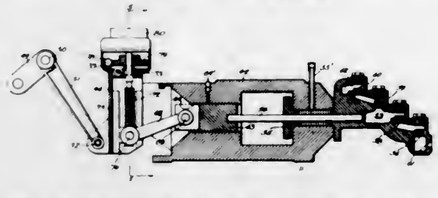
2,587,394
TAPE SPOOL HOLDER
Garvin Dennis Shallenberger, Missoula, Mont.
Application June 27, 1950, Serial No. 170,607
8 Claims. (Cl. 242—55.5)

1. A tape holder comprising a cylinder adapted to carry a spool of tape, said cylinder having a hollow portion extending from one side to the other, means on one side of said cylinder to abut one side of the spool when positioned on the cylinder, an arm pivotally supported on the same side of said cylinder as said means retractable



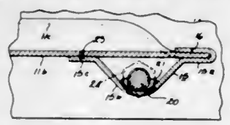
means carried by said arm and extending through the hollow portion of the cylinder for abutting the other side of said spool and means for cutting unrolled portions of tape.

2,587,395
STROKE CONTROL MECHANISM
Milton Roy Sheen, deceased, late of Glenside, Pa., by Emma Elizabeth Sheen, executrix, Glenside, Pa., and Isaac A. Pennypacker, executor
Application May 8, 1950, Serial No. 160,680
7 Claims. (Cl. 103—38)



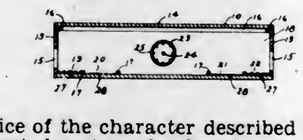
1. In a pump mechanism, a plunger reciprocable on a plunger axis, in combination with an adjustment head pivoted about a first pivot and swingable toward and away from the plunger, a second and adjustable pivot on the adjustment head, an adjustment operatively connected to the second and adjustable pivot through the first pivot of the adjustment head, a link pivotally connecting the second and adjustable pivot and the plunger and a drive for the adjustment head swinging the same back and forth between limiting positions, the line perpendicular to the plunger axis through the first pivot of the adjustment head in mid-position of the throw of the adjustment head including the second and adjustable pivot at any adjustment position.

2,587,396
CABINET CONSTRUCTION
Eugene J. Smayda, Jr., University Heights, Ohio
Application August 6, 1949, Serial No. 108,919
10 Claims. (Cl. 312—350)



1. In a cabinet, the construction comprising a pair of sheet metal side wall members disposed parallel to each other and spaced from each other to provide the side walls of the cabinet, each side wall member being recurrently bent at intervals to form a plurality of horizontally disposed and parallel channel portions and a plurality of connecting portions alternating with and joining the channel portions, said channel portions of each side wall member having web portions disposed in a first vertical plane and said connecting portions of each said side wall member being disposed in a second vertical plane spaced from said first vertical plane inwardly of said cabinet, each side wall member adjacent the forward edge thereof having said connecting portion displaced from said second vertical plane to a plane substantially coinciding with said first vertical plane, and a metallic framing member disposed vertically and adjacent each said side wall member at said forward edge, said framing member having a longitudinal grooved portion embracing the forward edge portion of the respective side wall member disposed in said first vertical plane, said framing member having a body portion joined to said grooved portion and extending outwardly of the cabinet away from, and thence toward, said first vertical plane to provide rigidity to said framing member and having a flat portion joined to said body portion and disposed adjacent the said web portion of the side wall member in said first vertical plane, said framing members enclosing the forward edges of the respective side wall members and imparting rigidity and strength to the side wall members at said forward edges.

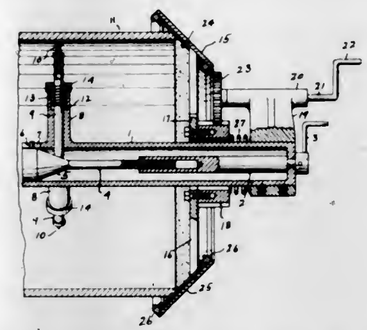
2,587,397
RAT AND MOUSE EXTERMINATOR
Fredrick U. Smith, Chestertown, Md.
Application August 9, 1948, Serial No. 43,208
1 Claim. (Cl. 43—131)



A device of the character described comprising an elongated rectangular housing provided with a removable top, there being entrance openings in the end walls of said housing, transverse strips in spaced relation from the end walls of said housing and to each other defining areas on the floor of said housing, a moisture retaining material in the area at the entrance openings and a poison material in the area adjacent the area containing the moisture retaining material, a reticulated container in said housing, an axle in said reticulated container, the ends of said axle seating in apertures in the side walls of said housing and supporting said reticulated container in said housing midway the ends and the top and bottom edges of the side walls, said container containing bait to attract rodents.

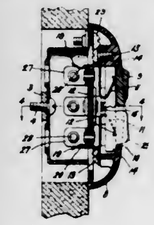
2,587,398
PIPE END FINISHING MACHINE
Oliver R. Smith, Fort Worth, Tex.
Application March 11, 1949, Serial No. 80,821
5 Claims. (Cl. 51—241)

2. A finishing machine comprising, a tubular support, aligned shafts mounted axially on the support and having a threaded connection, an expander on one of the shafts, means for rotating the other shaft, radial cylinders on the support, rods mounted to move axially in the cylinders, pipe engaging means on the outer ends of said rods and the inner ends of said rods being in operative relation with the expander, a tapering grinding wheel around the support having an inside abrasive surface, a gear wheel encircling the support and movable longitudinally thereof and connected with said grinding wheel, a frame secured to the support, means mounted on the



frame and geared to said gear wheel for rotating same and including a crank through which said rotating means may be actuated, and a yieldable element between said frame and gear wheel and normally under compression.

2,587,399
MOMENTARY CONTACT ELECTRIC SWITCH
Robert E. Smith, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application December 13, 1948, Serial No. 65,046
6 Claims. (Cl. 200—159)



5. A multiple circuit control switch for selective alternate closure of either one of two separate circuits including a hollow perforated housing, an elongated rocking plate mounted in said housing for actuation through said perforation, projections on each of the elongated ends of said rocking plate arranged to contact the inside surface of said housing and to act as pivot members when one elongated end or the other of said rocking plate is depressed, contact clips secured to the inside surface of said housing to include a portion extending perpendicularly thereto, spring contact means positioned to bias said projections of said rocking plate against the inside surface of said housing, a mounting plate having apertures and contact means with the latter being adapted to be contacted by said spring contact means thereby closing a circuit to said contact means when either end of said rocking plate is depressed, stop means positioned beneath said rocking plate for preventing simultaneous closure of circuits by both ends of said rocking plate, and means including said contact clips cooperating with said apertures in said mounting plate for securing said perforated housing to said mounting plate.

2,587,400

APPARATUS FOR WINDING UP ALTERNATE ROLLS OF LENGTHS OF WELDED WIRE FABRIC

William S. Southwick, East Lynn, Mass., assignor to Thomson Electric Welder Company, Lynn, Mass., a corporation of Massachusetts

Original application February 7, 1948, Serial No. 7,008, now Patent No. 2,487,392, dated November 8, 1949. Divided and this application June 14, 1949, Serial No. 98,983

1 Claim. (Cl. 242—80)



In a machine for welding wire fabric and delivering the welded fabric therefrom, the combination of means comprising a knife to cut the welded fabric crosswise after a predetermined length of fabric has been welded, a pivot plate synchronized with said knife to deliver the cut fabric alternately in different paths leading to wind-up rollers, wind-up rollers each adapted to roll up the length of cut fabric delivered thereto, means to rotate each of said wind-up rollers, and means to stop the rotation of each of said wind-up rollers, said pivot plate being operated by means comprising a rack attached to said knife and meshing with a pinion, a pawl secured to said pinion and adapted to engage alternately each of two diametrical notches in the periphery of a disc and a link secured at one end to said disc and at the other end to one end of said pivot plates.

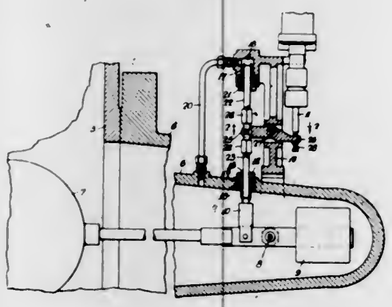
2,587,401

FLOAT VALVE AND THE LIKE

Paulsen Spence, Baton Rouge, La., assignor to Spence Engineering Company, Inc., Walden, N. Y., a corporation of New York

Application September 14, 1945, Serial No. 616,323

2 Claims. (Cl. 286—1)



1. In a float valve or the like, chamber means to be subjected to different pressures at the inside and outside thereof, and means for transmitting motion between the inside and the outside of said chamber means, said means including two bushings; each bushing including an externally threaded body having a guide bore, an integral external flange, and a bellows closed at one end and secured at the other end to the internal end of said body, said bellows being of lesser diameter than the threads of said body; said chamber means including two spaced chambers with a fluid-communicating duct between said chambers, said respective bushings being threadedly inserted in said respective chambers with the bellows projecting internally and the flanges externally of said chambers, whereby the outside of both of said bellows may be subjected to the same pressures within said chamber means and whereby both said bellows may be effectively concealed and protected within said chamber means, and means including stem means insertable externally through the guide bores of said bushings and operatively connecting the closed ends of each of said bellows in opposition.

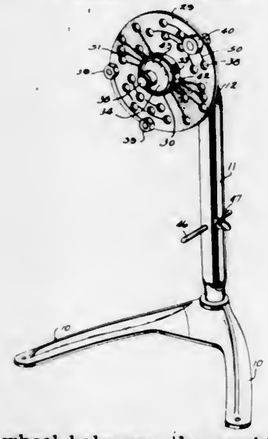
2,587,402

WHEEL BALANCER

Homer J. Steel, Milwaukee, Wis.

Application March 25, 1949, Serial No. 83,381

4 Claims. (Cl. 73—66)



1. In a wheel balancer, the combination with a support stand having a horizontal shaft, of a wheel mounting disk having a hub rotatable on said shaft, said hub having a reference mark, and a dial impositively mounted on said shaft, said dial having graduations cooperable with the reference mark on the hub and the dial being rotatable respecting both the hub and the shaft, whereby the dial may be adjusted to any position of the hub reference mark and angular displacement of said hub with respect to said dial is measured by displacement of the reference mark over the graduations.

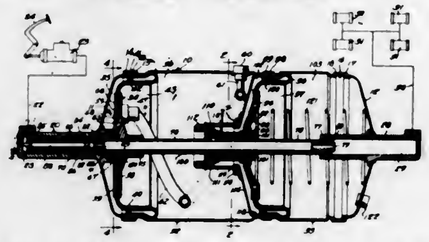
2,587,403

FLUID PRESSURE OPERATED MOTOR

William Stelzer, Richmond, Va.

Application March 22, 1945, Serial No. 584,204

7 Claims. (Cl. 121—41)



1. In a differential fluid pressure operated motor, a casing having end heads, a pair of spaced pressure responsive units in said casing, a rigid structure connecting said pressure responsive units and forming therewith a pressure-movable structure, a common head between said pressure responsive units to form two motor units each of which includes one of said pressure-responsive units with a pressure chamber within said casing on each side of each pressure responsive unit, said common head having an annular flexible portion secured to said rigid structure and being secured at its outer periphery to said casing and at its inner periphery to said rigid structure to seal the adjacent chambers of said casing from each other, said rigid structure having passages connecting each chamber of one motor unit to the corresponding chamber of the other motor unit, an axial cylinder connected to one of said end heads, a piston reciprocable in said cylinder and movable by fluid introduced thereinto, and a valve mechanism operable by said piston for controlling relative pressures in the chambers of one motor unit.

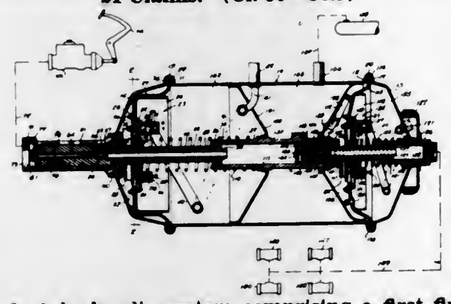
2,587,404

SERIALLY OPERABLE HYDRAULIC BOOSTER MECHANISM

William Stelzer, Summit, N. J.

Application January 28, 1947, Serial No. 724,801

21 Claims. (Cl. 60—54.5)



3. A hydraulic system comprising a first fluid pressure motor and a second fluid pressure motor, a hydraulic chamber, a first plunger operable in said chamber by hydraulic fluid introduced thereinto, a valve mechanism operable by said plunger for energizing said first motor, a second hydraulic chamber, a first piston operable in said second chamber and connected to said first motor, said plunger projecting through said piston to cooperate with the latter in generating hydraulic pressures in said second chamber, a second plunger in said second chamber movable by fluid pressure generated therein, a valve mechanism operable by said second plunger for energizing said second motor, a high pressure hydraulic chamber, and a second piston connected to said second motor and movable in said high pressure chamber, said second plunger projecting through said second piston to cooperate therewith in generating relatively high pressures in said high pressure chamber.

2,587,405

SEAL FOR RELATIVELY ROTATING MEMBERS

Justus B. Stevens, East Providence, and Frank Bottomley, Barrington, R. I., assignors to Sealol Corporation, a corporation of Rhode Island

Application January 15, 1947, Serial No. 722,106

5 Claims. (Cl. 286—5)

1. In combination a rotary member and a relatively stationary member, said members presenting spaced concentric cylindrical surfaces, a seal for said surfaces comprising an annular element of resilient material having the characteristics of elastic rubber firmly engaging one of said surfaces by its inherent tendency to expand from being placed under compression due to its different diameter, said element having a flexible lip being of a different diameter than and flexed to engage the other of said surfaces to be pressed more firmly into engagement therewith by the said pressure to be sealed and a substantially



annular washer substantially embedded in said annular element to provide a single unit therewith and having a radially extending portion projecting beyond the element with its edge of such a diameter relative to the diameter of the cylindrical surface to be engaged that it will be flexed when in engagement therewith and maintained at an angle to a plane at right angles to the rotary axis having an inherent tendency to return from flexed position, to have holding engagement with said surface and prevent axial movement of the element in one direction.

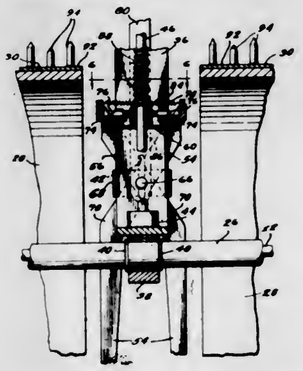
2,587,406

COTTON CHOPPER

John W. Talbert, Hartsville, S. C.

Application November 23, 1948, Serial No. 61,569

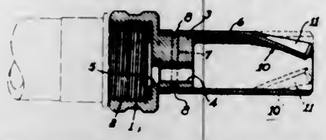
3 Claims. (Cl. 97—21)



1. An agricultural machine particularly adapted for chopping cotton comprising a frame structure including an axle, a pair of ground wheels mounted on said axle in spaced relation for travel closely adjacent each side of a crop row, opposed chopping blades mounted on operating arms disposed vertically on said frame structure between said ground wheels, said operating arms being disposed on said frame structure by means including a vertically slidable yoke for adjusting said operating arms vertically on said frame structure and thereby establish the disposition of the chopping blades with respect to the ground wheels at a desired height, and tension springs extended between said operating arms for biasing them towards closed position

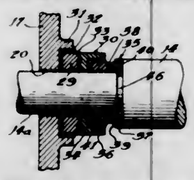
and opposed cam means geared to said ground wheels for actuating said operating arms in relation to the rotation of said ground wheels so that closing of said opposed chopping blades by said tension springs occurs intermittently during travel of said ground wheels for chopping the standing plants in a crop row at spaced intervals to thin out the row.

2,587,407
HOSE NOZZLE
John H. Thompson, Glendale, Calif., assignor to Arnold Rockvam, Glendale, Calif.
Application October 29, 1946, Serial No. 706,391
1 Claim. (Cl. 299—127)



A nozzle comprising a body having a passage therethrough adapted to discharge a substantially solid stream of liquid; a tubular extension mounted on said body for rotation about an axis eccentric with respect to the discharge end of said passage; said tubular extension having an indented portion forming an inwardly transversely convex surface converging toward said axis between a point in the wall of said extension and the open end of said extension, said indented portion being joined to the wall of said extension by reversely curved surfaces on the opposite sides thereof, the portions of the wall of the tubular extension to which said reversely curved surfaces are joined being concentric with the axis of the extension out to the discharge end of the latter rotation of said extension relative to said body serving to move said surface into and out of the path of said stream.

2,587,408
SEAL
Allen Trask, Chicago, Ill.
Application January 19, 1946, Serial No. 642,286
1 Claim. (Cl. 286—11.12)



A shaft sealing structure comprising a stationary annular seal ring, a rotatable annular seal ring, a shaft extending therethrough, and means for maintaining the rotatable seal ring in sealing pressure contact with the stationary seal ring, one of said seal rings having a shallow annular groove in its face contacting the other ring, and the other ring having a shallow straight groove in register substantially tangent to said annular groove in its mating seal ring.

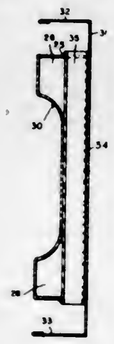
2,587,409
RETAINER FOR DROP WIRES
Walter N. Tuck, South Boston, Va.
Application February 14, 1950, Serial No. 144,067
4 Claims. (Cl. 139—358)

1. A retainer for drop wires comprising a substantially planar frame, upright links bolted at the frame corners, attaching means on the free ends of the links for dependent attachment to



the frame of a loom, and a series of spaced retaining elements extending transversely of the frame and in the same plane.

2,587,410
BASEBOARD RADIATOR
John W. Turner, Detroit, Mich., assignor to United States Radiator Corporation, Detroit, Mich., a corporation of New York
Application September 23, 1946, Serial No. 698,830
8 Claims. (Cl. 257—133)

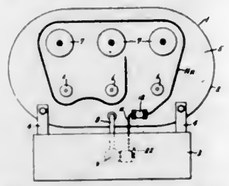


1. Heating structure comprising a flat vertically extending plate having narrow flanges extending outwardly from the top and bottom thereof, the bottom flange being adapted to rest on the floor of a space to be heated, an elongated radiator of a height less than the height of said plate and of a thickness substantially equal to the width of said flanges, said radiator being secured to the vertical portion of said plate and supported thereby spaced from the floor and from said flanges to provide for air circulation over the rear of said radiator, the rear surface of said radiator having vertical channels therein which are closed rearwardly by said plate to provide vertical passages for convective flow of air over the back of said radiator.

2,587,411
ACYCLIC OLEFINIC ACID CONDENSATION PRODUCT OF POLYHYDRIC ALCOHOL COMPOUND
Harry M. Ullmann, deceased, late of Bethlehem, Pa., by Rachel M. Ullmann, executrix, Bethlehem, Pa., and Judson G. Smull, Bethlehem, Pa., and Edward Artim, Yancey Mills, Va.; said Artim assignor of one-sixth to said Rachel M. Ullmann, executrix, and one-sixth to said Judson G. Smull
No Drawing. Application April 27, 1949, Serial No. 90,048
10 Claims. (Cl. 260—404.8)

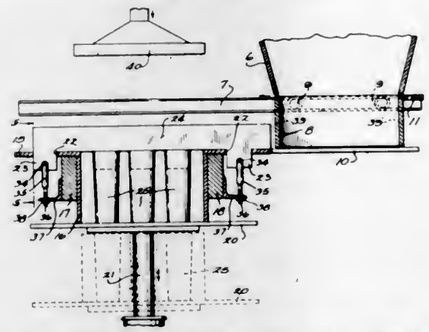
1. The process of forming a condensation product, which comprises reacting together (1) a polyhydric alcohol having a free secondary alcohol group and having a primary alcohol group combined with a nonconjugated unsaturated aliphatic acid having from ten to twenty-four carbon atoms in its carbon chain, and having all primary alcohol groups esterified, with from one to fifteen percent on the weight of the polyhydric alcohol ester of (2) an acyclic olefinic acid having less than ten carbon atoms in its carbon chain at a temperature above 100 and below 150° C. for a time of at least 15 minutes, while maintaining the acyclic olefinic acid free from esterification in said reaction.

2,587,412
HYDRAULIC THERMOSTATIC MECHANISM FOR ELECTRIC INDUCTION APPARATUS
Magnus Unger, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 18, 1948, Serial No. 15,603
1 Claim. (Cl. 174—11)



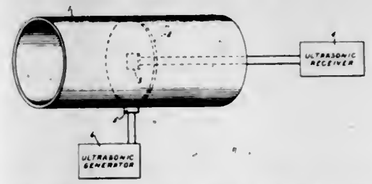
In combination, an oil filled electric induction apparatus having a conservator and frangible insulating bushings, means including a normally open valve interconnecting said conservator and said apparatus, a spring for biasing said valve to its closed position, a trigger latch for holding said valve in its open position against the action of said spring, means including a bellows for tripping said latch, a capillary tube connected to said bellows and extending in the vicinity of a plurality of said bushings, an expansible fluid filling said tube and bellows, a second bellows hydraulically connected to said tube, a third bellows mechanically connected to and outside of said second bellows, and a second expansible liquid filled tube in the form of a compensating coil having one end closed and the other end hydraulically connected to said third bellows, said second tube being wound around said third bellows.

2,587,413
VENTED CORE AND MOLD ASSEMBLY FOR MOLDING MACHINES
Bernard Aloysius Vander Heyden, Milwaukee, Wis.
Application February 28, 1949, Serial No. 78,789
2 Claims. (Cl. 25—119)



1. In a device of the character described, the combination with a mold including laterally projecting table means, the mold opening upwardly and the table means having apertures at opposite sides of the mold, and anchorage members connected with the mold beneath said apertures; of a removable unitary bar and core assembly spanning the mold and resting upon the table means, the said assembly having a hollow bar portion upwardly closed and provided with downwardly projecting laterally spaced ears positioned in said apertures, and the assembly comprising a hollow core portion connected with and suspended from the bar portion and disposed within the mold, the hollow core portion communicating with the interior of the hollow bar portion of said assembly and having an open bottom; together with tension elements adjustably connected between said anchorage members and the ears aforesaid and holding the bar portion of said assembly to the table portion of the mold, the said bar portion having openings between the ears for venting the core portions of said assembly through the bar portions and downwardly through the table portion of said mold.

2,587,414
ULTRASONIC MATERIALS TESTING
Howard E. Van Valkenburg and Moe S. Wasserman, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application August 13, 1949, Serial No. 110,115
2 Claims. (Cl. 73—67)

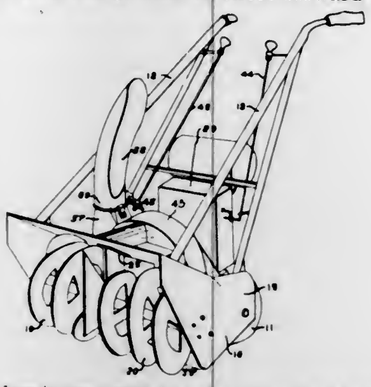


1. The method of testing a bond between two materials wherein the available surfaces for generating and measuring waves in said materials are substantially perpendicular, which comprises generating a shear wave in one of said materials by placing an ultrasonic transmitter which transmits shear waves upon a surface of such material opposite said bond and measuring the component of particle motion corresponding to a longitudinal wave in said other material by placing an ultrasonic receiver which responds to longitudinal waves upon a surface of such other material, the respective surfaces upon which said receiver and said transmitter are placed being substantially perpendicular to each other.

2,587,415
SNOWPLOW
Isak Vanvick, Minneapolis, Minn.
Application February 4, 1948, Serial No. 6,219
3 Claims. (Cl. 37—53)

1. A drive mechanism for a snow plow comprising a helical feed screw horizontally and transversely mounted on said plow at a forward portion thereof and disposed to have a lowermost part of said screw normally slightly spaced from and immediately adjacent the ground, power actuated means for causing said feed screw to be rotated, a pair of supporting wheels rotatably mounted on said plow on an axis parallel to the axis of said feed screw and rearward thereof for supporting the plow in normal operation under manual propulsion, and an actuating handle rigid with said plow for manually propelling and guiding said plow in normal operation and for raising said wheels from the ground

and bringing said feed screw in operative connection with the ground to effect forward drive



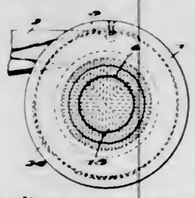
of the plow in response to actuation of said power actuated means.

2,587,416

DUST COLLECTOR

Walter O. Vedder, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland

Application February 8, 1949, Serial No. 75,227
11 Claims. (Cl. 183—21)



1. A wet dust collector comprising an elongated generally vertically disposed casing, a gas uptake duct extending vertically within said casing and having an outwardly flanged top edge fastened to the casing and separating said casing into vertically spaced sections connected by said duct, said uptake duct also having a smaller outwardly flanged bottom edge to assist in guiding upwardly flowing gas into said duct, a cap above said uptake duct and spaced therefrom, said cap having a cone-shaped top surface and a flat horizontal bottom surface, an assembly of flat-walled gas-rotation-inhibiting vanes under said cap and inside said duct and forming therein a multiplicity of narrow passages extending vertically upwards in said duct and laterally under said cap to present a large amount of wall surface to dust-laden gas rising in said duct through said multiplicity of passageways and transversely deflected by the flat bottom of said cap, and supply structure connected to said casing for wetting the interior thereof including the wall surfaces of said multiplicity of passages to increase the collection of dust from the dust-laden gas.

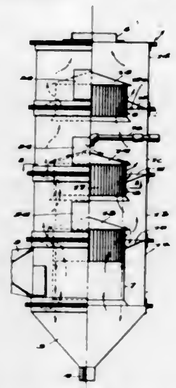
2,587,417

RADIAL FLOW WET DUST COLLECTOR

Walter O. Vedder, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland

Application January 10, 1950, Serial No. 137,775
1 Claim. (Cl. 183—21)

In a wet dust collector having vanes for mechanically trapping particles from suspended condition in a gas contacting the vanes, a vane assembly comprising: a retaining duct portion, a multiplicity of thin, flat plates directed toward each other radially inwardly from said duct portion to form between adjacent vanes a multiplicity of radially extending passageways which expand in the outward direction, said plates being



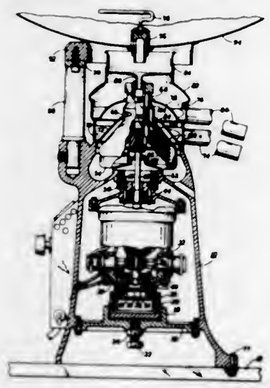
of two different kinds each having different radial dimensions and arranged alternately so that the smaller plates divide only the outer portions of the individual passageways formed by the larger plates, said plates projecting out of said duct; and a cap covering the projecting plates to form a deflecting wall for the radially extending passageways.

2,587,418

MOUNTING MEANS FOR ELECTRIC MOTORS

Eric C. Wahlberg, Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware

Application May 21, 1949, Serial No. 94,669
3 Claims. (Cl. 233—24)



1. In a cream separator, a supporting structure having a bottom plate provided with an upwardly extending annular flange, a cup-shaped member seated within said annular flange and mounted for axial movement relative thereto, means for preventing relative rotation between said cup-shaped member and said flange, a cylindrical resilient member mounted in said cup-shaped member, a motor with a vertically disposed shaft mounted in said resilient member above the top of said cup-shaped member, a threaded member extending through said bottom plate and engaging said cup-shaped member for

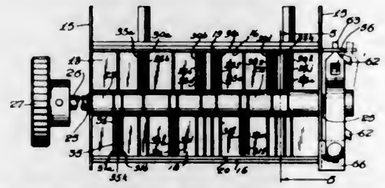
adjusting the vertical position of said motor and shaft, a second cylindrical resilient member mounted for vertical movement in said supporting structure and engaging the upper end of said motor below the mounting of said second cylindrical member, substantially vertically disposed serrations on the abutting surfaces of one of said resilient members and said supporting structure and between said one of said resilient members and said motor for preventing relative rotation therebetween, a separator bowl mounted on the upper portion of said vertical shaft and having a plurality of vertically spaced discharge openings therein, and a plurality of vertically spaced annular collecting chambers surrounding said separator bowl, said motor shaft and separator bowl being vertically adjustable for aligning said openings with said annular chambers.

2,587,419

TELEVISION TUNER

Neil E. Washburn, Chicago, Ill., assignor, by mesne assignments, to Lytle Engineering & Mfg. Co., a corporation of Illinois

Application May 20, 1949, Serial No. 94,421
5 Claims. (Cl. 250—40)



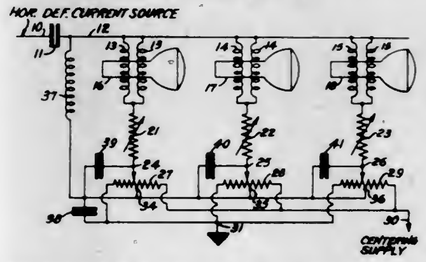
1. A radio tuner for tuning sequentially through at least two ranges of frequencies, said tuner including at least two inductance-condenser tuning sets together with other tuning circuit elements, said tuner including a shaft journalled for rotation through a total angular displacement corresponding to tuning through all said sequentially tunable ranges, each tuning set including a condenser of normally fixed capacitance value and a variable inductance element in connection therewith and serving to increase tuned frequency as the inductance value of said inductance element is reduced, each variable inductance element including at least one U-shaped stator, insulating means to support said stator with its arms extending substantially tangentially to the rotation of the shaft and lying in a plan normal to the shaft axis, and each variable inductance element also including at least one rotor plate, means to mount said rotor plate on the shaft within a plane normal to the shaft and axially displaced from the corresponding stator, said rotor plate being insulated from the shaft, the rotor plate elements for two of the variable inductances being angularly displaced by substantially 180 degrees from each other to ensure progressive increase of angular alignment of one rotor plate with its stator from a position of zero alignment to a position of complete alignment for decrease of inductance from a maximum to a minimum value synchronously with progressive angular de-alignment of the other rotor plate with its stator from a position of complete alignment to a position of zero alignment, for increase of inductance from a minimum to a maximum value, during each 180 degrees of shaft rotation, two position switching means, and connections between said switching means and both of the variable inductance stator elements and said other tuning circuit elements effective to include one only of said stator elements in circuit with said other tuning circuit elements when the switching means is in one switching position, and to include the other only of said stator elements in circuit with said other tuning circuit elements when the switching means is in the other switching position, together with operating means connecting the shaft and the switching means said operating means having a change-over position and being effective to move the switching means to disconnect one stator element from said other circuit elements and to connect the other stator element to said other circuit elements when the shaft is rotated through said change-over position, said connecting means being effective to disconnect the stator of the completely aligned inductance from said other circuit elements and to connect the stator of the zero aligned inductance to said other circuit elements when the shaft is rotated through said change-over position.

2,587,420

LINEARITY CONTROL FOR CATHODE-RAY TUBES

Karl Rinner Wendt, Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 31, 1948, Serial No. 46,962
14 Claims. (Cl. 315—9)



1. Apparatus adapted to aid in registering the scanning patterns in a plurality of cathode ray tubes comprising in combination a plurality of horizontal deflecting coils, an impedance connected in series with each of said horizontal deflecting coils, said impedances being of such character that the voltage appearing across their terminals is substantially in phase with the horizontal deflection currents flowing between its terminals, said series combination being connected in parallel, a plurality of vertical deflection coils, and an impedance connected in series with each of said vertical deflecting coils, each of said latter impedances being of such character that the voltage appearing across their terminals is substantially ninety degrees out of phase with the vertical deflection currents flowing between the terminals, said latter series combinations also being connected in parallel.

2,587,421

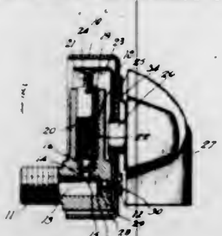
RELEASE VALVE

Bernhard Willach, Chicago, Ill., assignor to Jas. P. Marsh Corporation, Chicago, Ill., a corporation of Illinois

Application November 14, 1946, Serial No. 709,755
2 Claims. (Cl. 137—53)

1. In a release valve having a fluid pressure passageway and a vent therefor, a valve member for closing said vent movable to open position by fluid pressure in said passageway and a spring for exerting force against said valve tending to maintain it in closed position, adjusting means

comprising an abutment member associated with said spring for varying the force exerted by said spring upon movement of said abutment member, a rotatable cam member having a concave arcuate cam surface cooperating with said abutment member, said cam surface being eccentri-



cally arranged to move said abutment member upon rotation of said cam member, and a contact member for engaging said cam surface adjustably mounted in said abutment member for adjusting the position of said abutment member independently of movement of said cam member.

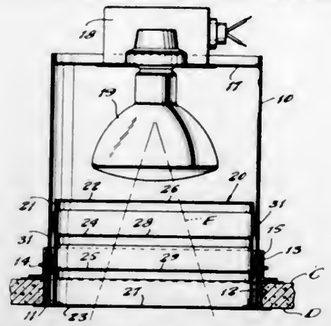
2,587,422
MACHINE FOR THE MANUFACTURE OF PAPER BAGS
Stanley Charles Frederick Wills, Bristol, England, assignor to E. S. & A. Robinson, Limited, Bristol, England, a company of Great Britain and Northern Ireland
Application May 21, 1949, Serial No. 94,594
In Great Britain May 25, 1948
2 Claims. (Cl. 154—42)



1. Apparatus for the manufacture of paper bags, comprising two clamping elements between which a moving paper-bag tube may be passed, means for supplying hot air to the opposed operative clamping faces of the said clamping elements whereby said hot air may be applied to the bag tube when disposed therebetween, an oscillatory device on which said clamping elements are mounted, means adapted to close said clamping elements on to each other whilst the said oscillatory device moves in one direction whereby the said clamping elements grip a bag tube therebetween and travel with the bag tube, and means adapted to move and hold said clamping elements apart whilst the oscillatory device moves in the opposite direction whereby to release said bag tube.

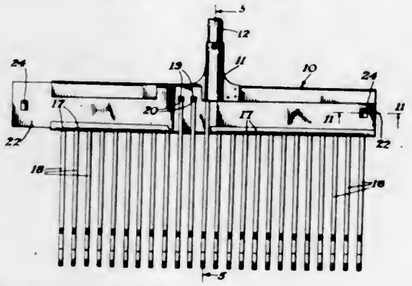
2,587,423
LIGHTING FIXTURE WITH ADJUSTABLE LIGHT SHIELDS
Philip Young, Brooklyn, N. Y., assignor to Neo-Ray Products, Inc., New York, N. Y., a corporation of New York
Application February 28, 1950, Serial No. 146,661
2 Claims. (Cl. 240—78)

1. In a lighting fixture, a housing having an open end, a light socket carried by said housing for supporting a lamp adjacent the other end of the housing, a tubular shield removably secured in said housing and extending inwardly from said open end, said shield having a plurality of spaced transversely extending walls formed with central openings, the openings in said walls progressively decreasing in size from the outer wall located at said open end to the innermost wall of said shield to thereby provide a frusto-conical opening in said shield to permit of light rays from the lamp being directed therethrough in the form of a



cone with the apex of the cone located at the center of the lamp, and the outer wall of said shield having its outer peripheral portion extending outwardly in covering relation with the housing at said open end, and a plurality of circumferentially spaced spring clips carried by said shield and adapted to engage the housing for securing the shield in position therein.

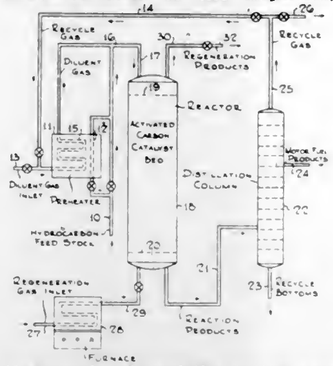
2,587,424
LAWN RAKE
Arthur J. Zeman, South Euclid, Ohio
Application April 29, 1949, Serial No. 90,523
5 Claims. (Cl. 56—400.17)



4. A rake comprising a head plate, a channel in the bottom edge thereof, said plate and said lower channel having spaced openings therein, tines mounted in the openings in said channel, right angle bends in the upper ends of said tines protruding through the openings in the plate to restrain movement thereof, a removable cover plate engaged by said channel, means on said head plate to restrain axial movement of said cover plate, and means on said head plate to restrain transaxial movement of said cover plate.

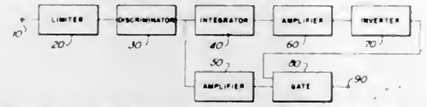
2,587,425
REFORMING NAPHTHA WITH ACTIVATED CARBON CATALYST
Clark E. Adams and Charles N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application April 30, 1949, Serial No. 90,574
2 Claims. (Cl. 196—50)

1. A process for naphtha improvement which comprises passing a virgin naphtha through a fixed bed of activated carbon catalyst particles at a temperature between about 900° and 1100° F., maintaining said naphtha in contact with the activated carbon catalyst for a sufficient period to obtain a substantial improvement in the anti-knock characteristics of the naphtha, discon-



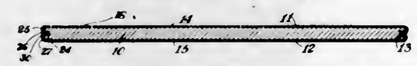
tinuing the supply of naphtha to the catalyst bed after the same has undergone a loss in activity, regenerating the catalyst bed by passing steam at a temperature of 1000°–2000° F. through the bed of catalyst in a direction opposite to that in which the naphtha was passed and repeating this sequence of operations.

2,587,426
PULSE FORMING NETWORK
William R. Aiken, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application April 28, 1950, Serial No. 158,847
5 Claims. (Cl. 250—27)



1. In a pulse forming control circuit for a frequency modulated system, the combination comprising a discriminator having a pair of tank circuits tuned to a predetermined frequency for developing a substantially sinusoidal voltage each time said predetermined frequency occurs, means amplifying said sinusoidal voltage to form a first signal voltage, integrating means shifting the phase of said sinusoidal voltage to form a second signal voltage lagging said first signal voltage in time, means amplifying said second signal voltage, means inverting said amplified second signal voltage, and gate means responsive only to the occurrence of a negative amplified first signal voltage and a simultaneously negative inverted second signal voltage to initiate a positive output voltage at said predetermined frequency.

2,587,427
PHONOGRAPH RECORD
Octavio Jose Alvarez, New York, N. Y., assignor to Alvarez Patent Corporation, New York, N. Y.
Application September 18, 1946, Serial No. 697,684
3 Claims. (Cl. 274—42)



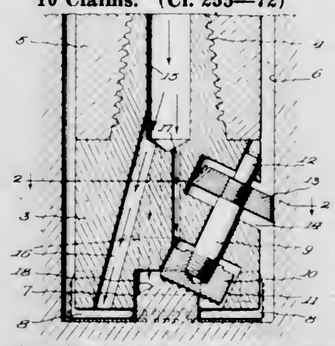
1. A phonograph record comprising an inner rigid supporting disc member having two opposite circular faces, a circular edge face and a circular groove in said edge face; two outer circular plastic sheet members each covering one of said two opposite circular faces of said inner rigid supporting disc member and bent along its circular edge into said circular groove in said edge face of said inner rigid supporting disc member; and connecting means firmly securing said two outer circular plastic sheet members along their circular edges in said circular groove in said edge face of said inner rigid supporting disc member to each other so as to completely enclose said disc member.

2,587,428
TIRE CONSTRUCTION
John O. Antonson, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 25, 1947, Serial No. 737,117
6 Claims. (Cl. 152—354)



1. A pneumatic tire comprising a hollow annular body of resilient rubber material including wall portions subject to flexure under the stresses on the tire in use, plies of reinforcing cords of twisted elements disposed in said wall portions with said rubber material between said plies and between and adhered to said cords, the inner face of the innermost of said plies being bare of said rubber material of said body, and a sealing layer of flexible material of greater impermeability to fluids than said rubber material of said body united directly to said inner face of said innermost ply by direct anchorage of said sealing layer in the crevices of the twisted elements of the cords so that said sealing layer by virtue of its union with said cords constitutes an integral part of said wall portions to flex therewith as a unit under the stresses on the tire in use.

2,587,429
DRAG BIT
Armais Arutunoff, Bartlesville, Okla.
Application December 14, 1949, Serial No. 132,847
10 Claims. (Cl. 255—72)



1. In a drag bit including a main cutting head having an internal recess opening at the central

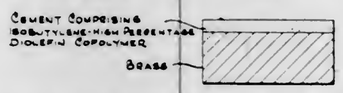
portion of the cutting end of said head, a supplemental center-cutting unit comprising a rotary cutting element mounted in said recess on one end of a drive spindle rotatably supported in the head, with its cutting face presented to the central portion of a bore hole being drilled, a peripheral cavity in said main cutting head into which the opposite end of said spindle extends and a drive wheel fixed to said spindle in said cavity, and projecting radially from said cavity for peripheral driving engagement with the wall of a bore hole.

2,587,430

BONDING OF ISOBUTYLENE-ISOPRENE COPOLYMER TO BRASS

Francis P. Baldwin, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 3, 1946, Serial No. 688,348
7 Claims. (Cl. 117—132)



3. A laminar structure comprising a brass surface composed of about 70% copper and about 30% zinc and a lamina adherent thereto comprising a polymer which consists essentially of 90 to 98% of combined isobutylene and 10 to 2% of a combined multiolefin having 4 to 14 carbon atoms per molecule, the said lamina also containing a sulfur-containing curing agent.

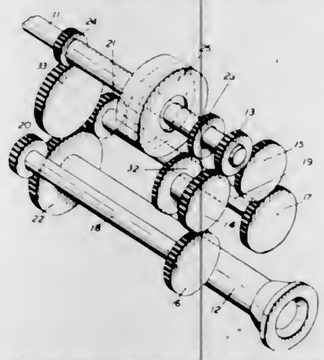
5. A process for adhering an isobutylene containing polymer to brass consisting of 70% copper and 30% zinc, the process comprising the steps of copolymerizing with the isobutylene from 2% to 10% of isoprene to form a copolymer, cleaning a brass surface to remove grease and oxide, applying thereto a solution of said copolymer containing a sulfur curing agent and curing the polymer in contact with the brass.

2,587,431

POWER TRANSMISSION GEARING

Benjamin William Barlow, Sudbury, Wembley, and George Hamilton Murray, Pinner, England, assignors to D. Napier & Son Limited, London, England, a company of Great Britain

Application June 12, 1950, Serial No. 167,503
In Great Britain November 4, 1949
12 Claims. (Cl. 74—336)



1. Transmission gearing for transmitting power from an engine to a power absorber which requires a comparatively low driving torque at low speeds and a comparatively high driving torque at high speeds, comprising a driving element, a driven element, a main gear train connecting said driving and driven elements, an auxiliary gear train connecting said driving and driven elements at a speed ratio fractionally higher than the speed ratio of said main gear train, a friction clutch in said auxiliary gear train which is capable of transmitting only a fraction of the full load torque, a positive clutch in said main gear train which is capable of transmitting the full load torque, governor means responsive to the speed of said driving element for controlling the operation of said friction clutch and adapted to permit engagement thereof only when said driving element is rotating below a predetermined speed and to cause disengagement thereof when said predetermined speed is exceeded, and means responsive to the difference in speed of said driven element and said driving element for controlling the engagement of the positive clutch and adapted to effect engagement of said positive clutch only upon disengagement or slipping of said friction clutch.

2,587,432

REEL

William H. Bellah, Burbank, Calif.

Application July 6, 1949, Serial No. 103,197
5 Claims. (Cl. 242—96)



1. A reel having a shaft, said shaft having an inner end at said reel and having an outer end, a unitary wire member having bearing coils therein rotatably supporting the outer end of said shaft and having other bearing coils therein rotatably supporting the inner end of said shaft, a handle intermediate said first and second mentioned bearing coils, said wire member extending from said other bearing coils and having a turn forming a finger hold adapted to be engaged by a finger of the hand on said handle, said finger hold comprising means for tilting said other bearing coils to bind said shaft.

2,587,433

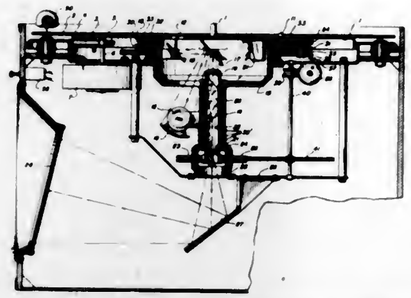
STEREOPTICON PHONOGRAPH

George P. Bentley, Garden City, and Frank R. House, Baldwin, N. Y., assignors to Instrument Development Laboratories, Inc., Williston Park, N. Y., a corporation of New York

Application March 25, 1948, Serial No. 17,066
13 Claims. (Cl. 88—27)

1. A stereopticon phonograph comprising a turntable for a phonograph record having a series of pictures arranged around a face thereof, and optical means for projecting each picture in turn on a screen including rotatable image reflecting means, a member normally rotatable with the turntable, and carrying at least a part of said reflecting means, means for rotating a portion of said optical means other than said reflecting means from said turntable at half the speed thereof, and means for changing the relation between said turntable and member substantially

by the arc occupied by one picture, upon a predetermined number of revolutions of the turn-



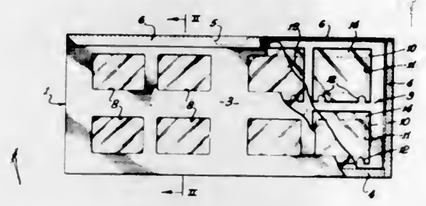
table, whereby each picture remains on the screen for such number of revolutions, and is then replaced by the next picture.

2,587,434

TRANSPARENCY PROJECTION SLIDE

Earl T. Boaden and Joseph L. Simpson, Los Angeles, Calif., assignors to Emde Products, Inc., Culver City, Calif.

Application June 15, 1946, Serial No. 677,070
2 Claims. (Cl. 40—159)



1. A protective holder for transparencies comprising: a pair of coextensive plane outer wall members; a spacer strip connecting edge areas of inner surfaces of said wall members and extending along three side edges thereof to form a pocket having one open edge; a plurality of apertures in each side wall member, the apertures of one side wall member being in alignment with the apertures in the other wall member; a mounting member slidable into the pocket between said spaced side wall members and spacer strip, said mounting member being provided with a plurality of ports corresponding in number, size and arrangement with the apertures in the side wall members and arranged to be in alignment with the apertures when the mounting member is in the pocket; a transparency-receiving recess formed in the mounting member around each port, said spacer strip maintaining the wall members in spaced relation to enclose the mounting member and transparencies carried thereby while the entire outer surfaces of the wall members are in parallel planes.

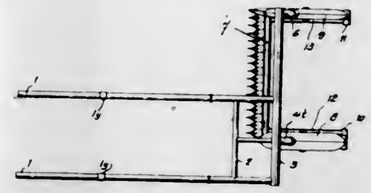
2,587,435

MOWING MACHINE

Emile Bobard, Beaune, France

Application March 15, 1945, Serial No. 582,882
In France September 11, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 11, 1962
2 Claims. (Cl. 56—265)

1. An agricultural machine having a cutter-bar extending transversely to the direction of mowing of the machine, and a binding table for the mowed plants, comprising a frame with a transverse portion of an inverted U shape supporting said cutter-bar at both ends within the U and



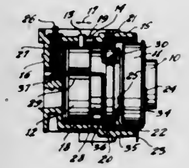
forming a bridge above the crop, and said frame having a longitudinal portion extending above the crop and the binding table, and draft means mounted on said frame on one side of said cutter-bar.

2,587,436

SYNCHRONIZER ARRANGEMENT

Jacques Bolsey, New York, N. Y.

Application March 8, 1949, Serial No. 80,339
4 Claims. (Cl. 95—11.5)



1. In a photographic camera a camera body forming a tubular guiding chamber having a cylindrical surface; a slidable lens barrel having an outer cylindrical surface, a front end and a rear end and arranged slidably within said tubular guiding chamber of said camera body with its outer cylindrical surface in contact with and supported by the cylindrical surface of said tubular guiding chamber; a shutter mechanism mounted on said front end of said slidable lens barrel slidably together with the same; electrical contact means carried by said shutter mechanism slidably together with the same; stationary electrical connector means mounted on said camera body rearwardly from the rear end of said slidable lens barrel; a groove in said outer cylindrical surface of said slidable lens barrel extending from the front end to the rear end thereof and including at least one transverse groove portion extending in a transversal direction of said cylindrical surface of said lens barrel; an insulated wire passing through said groove and including a wire portion located in said transverse groove portion, also extending in a substantially transversal direction of said cylindrical surface of said lens barrel and having a diameter which is smaller than the width of said transverse groove portion, said insulated wire having a front end portion and a rear end portion projecting beyond the front and rear end, respectively, of said slidable lens barrel; first connecting means connecting said insulated electric wire at its front end to said electrical contact means carried by said slidable shutter mechanism slidably together with the same; and second connecting means connecting said insulated electric wire at its rear end to said stationary electrical connector means mounted on said camera body.

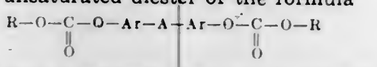
2,587,437

DI(ALKENYL CARBONATE) ESTERS OF ALKYLIDENE BIS-PHENOLS

James A. Bralley, Bristol, Pa., and Frank B. Pope, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application March 19, 1947, Serial No. 735,794
6 Claims. (Cl. 260—77.5)

1. An unsaturated diester of the formula



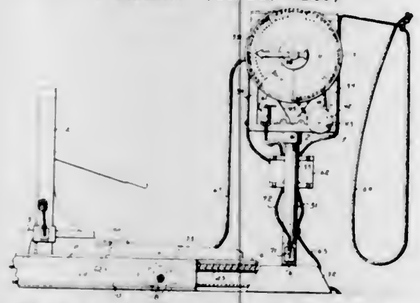
wherein R is an alkenyl radical containing from 3 to 5 carbon atoms and having a methylene group attached by a double bond to a carbon atom, Ar is an arylene hydrocarbon radical having each of its connecting valences on nuclear carbon atoms and being selected from the class consisting of p-phenylene and monophenyl-substituted p-phenylene radicals and A is an alkylidene hydrocarbon radical containing from 1 to 7 carbon atoms.

2,587,438

AUTOMATIC ELECTRIC SETWORK ASSEMBLY

Alfred R. Brown, Kelso, Wash.

Application April 16, 1947, Serial No. 741,760
3 Claims. (Cl. 143—120)



1. In a saw mill carriage setworks, the combination which comprises a carriage spaced knees slidably mounted and transversely positioned on the said carriage, a limit switch carried by one of the said knees, an indexing head mounted on the carriage, said indexing head having a dial with graduations thereon in the face thereof, a pointer rotatably mounted in the indexing head and positioned to coact with the graduations of the dial, a wheel journaled in the indexing head and operatively connected to the pointer, a pulley mounted in the carriage, a cable trained over the wheel in the indexing head and also over the pulley in the carriage, a stop adjustably mounted on the cable, said pulley positioned whereby the stop on the cable is positioned to be engaged by the limit switch of the knee, a motor on the carriage, means operatively connecting the motor to the knees of the carriage, and a circuit for supplying current to the motor connected to the said limit switch.

2,587,439

MAKING READY CYLINDRICAL PRINTING PLATE

George W. Bungay, New York, N. Y., assignor to Electrographic Corporation, New York, N. Y., a corporation of Delaware

Application January 5, 1950, Serial No. 137,010
4 Claims. (Cl. 101—401.3)

1. The process of making-ready an arcuate printing plate which comprises forming an overlay of the same size as the original for said plate, printing on an underlay sheet the design of said plate while progressively shortening the impression with respect to the direction of curvature of the plate in the amount necessary to compensate for the shortening in the arcuate length of the back of the plate as compared to the printing



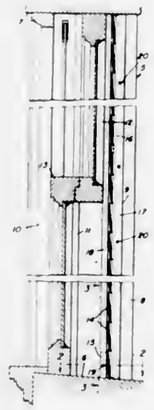
face, preparing an underlay from said sheet in accordance with the shortened impression, positioning the overlay in register on the face of the curved plate, positioning the underlay on the concave face of the plate and in radial register with the overlay, and subjecting the overlaid and underlaid plate to deforming pressure, finishing the concave back of the plate to render it cylindrical.

2,587,440

STORM BLIND

Van H. Burkhart, La Marque, Tex.

Application November 4, 1948, Serial No. 58,191
1 Claim. (Cl. 189—63)



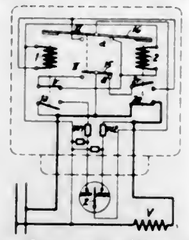
A storm blind for windows comprising longitudinally grooved guides, and a plurality of separate superimposed louver slats having their ends slidably engaged in the grooves of said guides, said guides having removable inner sections at their lower ends adapted to be removed to permit successive insertion or removal of the slats relative to said guides from the inner side of the window, said guides comprising sheet metal channels having inwardly directed angular flanges on the sides thereof, the adjacent portions of said flanges being disposed in spaced parallel relation to form the grooves therebetween which receive the ends of the slats, the removable sections comprising portions of the inner sides and the inner flanges of the guides, and means to removably secure said removable sections in place.

2,587,441

DEVICE FOR CONTROLLING CONSUMER CIRCUITS BY MEANS OF AT LEAST ONE MEASURING INSTRUMENT CARRYING SMALL CURRENTS

Theophil Buser, Bern, Switzerland, assignor to SAIA Aktiengesellschaft für Schaltapparate

Application April 13, 1949, Serial No. 87,142
In Switzerland July 18, 1947
7 Claims. (Cl. 175—320)



5. In a device for controlling the flow of current in an electrical load, an electric circuit, a controlling switch having two fixed contacts and a controllable contact member, a pair of relays electrically connected to the contacts of said controlling switch, each of said relays being provided with a winding and an armature held in working position by means of residual magnetism, and with a back contact and an operating contact, a pair of tumbler switches each comprising a pair of fixed contacts and a rocker in operable connection with said armatures and having a contact at each end engageable respectively with said fixed contacts, each fixed contact of the first of said tumbler switches being connected to one of the said relay windings and the rocker of said first tumbler switch being connected to said controllable contact member, and the fixed contacts of the second of said tumbler switches being connected each to one of said back contacts, the rocker of said second tumbler switch being connected to said electrical circuit, a pair of voltage dividers connected to one of said operating contacts and each formed by two resistances with a tap between said resistances, the said fixed contacts of said controlling switch being connected respectively to said taps, said back contacts of one relay being connected to the said relay winding of the other relay, an energizing circuit being formed by each back contact of one of said relays and the second tumbler switch for the other relay, and a demagnetizing circuit for each relay being formed by the operating contact of that same relay, the said voltage divider which is connected to it, the said controlling switch and the first of said tumbler switches, one of the said operating contacts being connected into the said electrical circuit for controlling it.

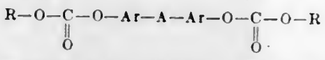
2,587,442

COPOLYMERS OF MALEIC ANHYDRIDE WITH ALLYL ESTERS OF ALKYLIDENE-BIS-AROMATIC CARBONATES

Earl J. Carlson, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application February 14, 1947, Serial No. 728,726
3 Claims. (Cl. 260—77.5)

1. In the method of transforming a liquid ester of the formula



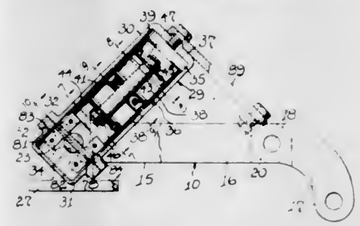
wherein each R is an alkenyl radical containing from 3 to 4 carbon atoms and possessing a methylene group attached by a double bond to a carbon atom in turn attached to another methylene group, Ar is a bivalent aromatic radical having its connecting valences on nuclear carbon atoms, and A is an alkylidene radical, into a solid, infusible polymeric material by the steps which comprise adding an organic peroxide catalyst and heating until gel formation occurs, the improvement which consists in adding to said liquid ester prior to the addition of the peroxide catalyst, an amount of maleic anhydride such that the mixture contains for each mole of said liquid ester an amount of maleic anhydride between 0.1 and 2 moles, thereby substantially to decrease the time required for gel formation to occur, and substantially to decrease shrinkage during the polymerization reaction, while obtaining greatly increased hardness and strength in the resulting polymeric material.

2,587,443

HYDRAULIC SPRING-CONTROLLING DEVICE

George W. Crabtree, Cleveland Heights, Ohio

Application July 14, 1950, Serial No. 173,708
13 Claims. (Cl. 267—20)



1. A hydraulic spring-controlling device comprising a housing, a shaft member pivotally supporting said housing, and a hydraulic double-acting, spring-controlling unit in said housing coupled with said shaft member, said unit including an open-ended cylinder member axially shiftably guided in said housing, ring-shaped valve means in said cylinder member subdividing same into axially aligned cylinder sections, a piston couple including pistons arranged in both said cylinder sections and connected with each other by a connecting rod extended through said ring-shaped valve means, and opposed lever means on said shaft member coupled with said cylinder member and piston couple, said lever means adapted to effect reciprocating movement of said cylinder member and piston couple in opposite directions with respect to each other when the housing is oscillated on said shaft.

2,587,444

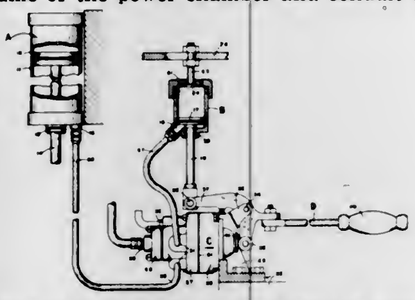
FLUID CONTROL SYSTEM

Robert R. Crookston, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application May 13, 1948, Serial No. 26,842
6 Claims. (Cl. 303—54)

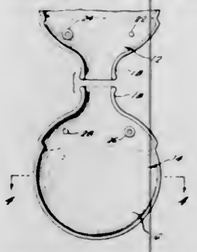
1. A control system comprising, in combination, a valve assembly having a valve body defining an inlet port and at least one delivery port, a valve element carried by said body and movable to control flow of fluid between the inlet port and delivery port, means defining a separate booster chamber spatially removed from said valve body of variable capacity with at

least one portion substantially fixed with respect to the valve body and at least one portion movable with respect to the valve body, means defining a separate power chamber of variable capacity spatially removed from said valve body, a conduit fluidly connecting a delivery port with the booster chamber, a conduit fluidly connecting a delivery port with the power chamber, the volume of the power chamber and conduit con-



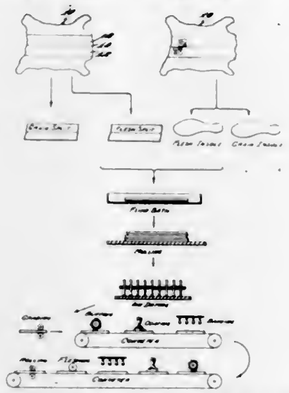
necting it to the delivery port being a multiple of the volume of the booster chamber and conduit connecting it to the delivery port, and an actuating lever arm pivoted about a center fixed with respect to said valve body arranged for controlling the position of said movable valve element and in mechanical communication at all times with said movable portion of the means defining the booster chamber.

2,587,445
MUSICAL TOY
Philip A. Derham, Rosemont, Pa., assignor to Louis Marx & Company, New York, N. Y., a corporation of New York
Application July 13, 1948, Serial No. 38,441
2 Claims. (Cl. 46—182)



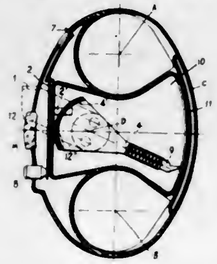
1. A voice operated musical toy comprising approximately circular, oppositely dished, shell-like halves held together in edge-to-edge relation, said halves being made out of one of the known molding plastics, and each comprising a relatively thin vibratile diaphragm portion occupying most of the generally circular area, said diaphragm portions being free at the edges for vibration, said vibration being controlled by manual pressure directly thereon, a relatively thick shoulder portion adjacent said diaphragm portion and occupying a remaining segment of the generally circular area, and a relatively thick generally semi-cylindrical neck portion outside of and contiguous said shoulder portion, said neck portions when combined being circular in section and thereby facilitating holding the diaphragm portions directly between the hands at any angle which is comfortable to the user, said halves being held in registration and being secured together by pins and mating blind sockets formed in the aforesaid thickened segment and located closely adjacent but within the edges thereof, said pins and sockets being cemented together, and the edges of said halves being unsecured except at and by said pins and sockets.

2,587,446
METHOD OF MAKING INSOLES
Peter Droukas, Brockton, Mass.
Application August 25, 1950, Serial No. 181,485
1 Claim. (Cl. 69—21)



The method of preparing flesh splits suitable for insoles from fully tanned bend leather which is very firm, dense and too stiff and thick for use as an insole material and whose flesh side is of a fibrous character such that it is not normally suitable, when split from the grain side of the leather, for use in making an insole, said method comprising as steps splitting the fully tanned bend leather to form a grain split useful, without further tanning, for making a light-weight outer sole, and a flesh split of appropriate thickness for use in making an insole and, without further tanning, soaking the flesh split in a fluid solution of water and sulfonated cod oil in the proportion of 1 part of oil to 10 parts of water, removing the split from the soaking bath, stacking a plurality of said splits and permitting them to mull, air-drying the individual splits, buffing the split surface of each split, applying a finish coating thereto, baking the finish coating, removing loose fiber from the uncoated surface of the split after baking it, and rolling the split to compact it.

2,587,447
CAMERA HAVING BLADE AND COVER BLIND SHUTTER
Giullo Durst, Bolzano, Italy
Application May 13, 1947, Serial No. 747,723
In Italy March 1, 1947
1 Claim. (Cl. 95—60)



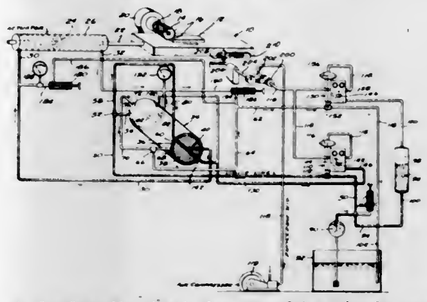
A camera, comprising in combination, an exposure chamber having a front wall formed with an opening and an arcuate slot spaced from said opening; a shutter member pivotally mounted on said front wall about the center of curvature of said arcuate slot and having a pin extending through said slot into said exposure chamber, said shutter being formed with an opening which passes over said opening in said front wall of said exposure chamber as said shutter moves between its cocked and uncocked positions; releasable latch means mounted on the camera for releasably holding said shutter in its cocked position; spring means operatively connected to said shutter for urging the same into its uncocked position; an arcuate part cylindrical wall member mounted within said chamber adjacent to said front wall thereof for turning movement about an axis of rotation extending parallel to said front wall and coinciding with the axis of said part cylindrical wall member, the latter being formed with an elongated slot located about said pin of said shutter, said arcuate member also being formed with an opening aligned with said opening in said front wall of said chamber when said arcuate member is in a position of rest, whereby, upon pivotal movement of said arcuate member, an edge of said elongated slot thereof engages said pin of said shutter to move said shutter from its uncocked to its cocked position, and whereby, when said arcuate member has returned to its position of rest, said aligned openings of said arcuate member and said front wall of said chamber are covered by said shutter and only uncovered by the passing of said opening of said shutter over said aligned openings when said shutter is released.

2,587,448
ENERGY-ABSORBING DECELERATION APPARATUS FOR PARACHUTE LOADS
Willard D. Eakin, Akron, Ohio
Application February 6, 1951, Serial No. 209,566
6 Claims. (Cl. 244—138)



6. A device for safely lowering a load through the air to the ground comprising a ground contacting structure, a load support movable relative to the ground contacting structure, mechanical means connected to the load support and to the ground contacting structure, air resistance means, and means connected to said mechanical means and to said air resistance means, said mechanical means comprising structure producing a mechanical advantage whereby movement of the load-support relative to the ground contacting structure increases the resistance of the air resistance means.

2,587,449
HYDRAULIC FEED FOR MACHINE TOOLS
Albert A. Ericson, Massapequa Park, N. Y., assignor to The Farmingdale Corporation, a corporation of New York
Application February 10, 1945, Serial No. 577,278
14 Claims. (Cl. 60—51)



1. A hydraulic feed for machine tools comprising an actuator for bringing about relative feed between the tool and the work, a source of liquid under pressure, a pressure line leading from the pressure source to the actuator, an accumulator in said line in communication with the actuator during the machining operation, and an automatic regulator in said pressure line between the source of pressure and the actuator, said automatic regulator including a valve for controlling flow through said pressure line, and air pressure means for actuating said valve.

8. A hydraulic feed for machine tools comprising an actuator for bringing about relative feed between the tool and the work, a source of liquid under pressure, a pressure line leading from the pressure source to the actuator, a return line leading from the actuator, and automatic regulators in each of said lines, both of said regulators being governed by changes of pressures in the pressure line.

2,587,450
ABDOMINAL SUPPORTING BELT
Francis S. Ericsson, Warren, Pa.
Application September 1, 1949, Serial No. 113,505
1 Claim. (Cl. 2—41)



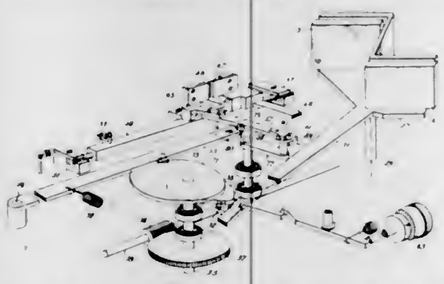
In an abdominal supporting belt of the prenatal type, the combination of an abdominal band comprising a main section having a substantially straight edge at one end and including a crescent shaped portion at its other end, said crescent shaped portion extending substantially below the lower edge of the main section and having a convex arcuate outer edge, a backband including a relatively narrow in-

termediate portion and relatively wide end portions having concave arcuate side edges, one of said concave side edges being complemental and longitudinally shiftable relative to the convex end edge of said crescent shaped portion, a segment shaped band section having a convex arcuate side edge complemental and longitudinally shiftable relative to the other concave side edge of the backband, the other side of said segment shaped section being provided with a straight upper edge portion, means for separably connecting the last mentioned straight edge portion to the straight edge of said abdominal band, and additional means for separably and adjustably connecting together the respective convex and concave edges whereby to permit the stated longitudinal shifting thereof to each other.

2,587,451
SLIT CONTROL FOR SPECTROSCOPIC APPARATUS

Clair L. Farrand, Bronxville, N. Y., assignor to Farrand Optical Co., Inc., New York, N. Y., a corporation of New York

Application March 1, 1949, Serial No. 79,099
17 Claims. (Cl. 88—14)



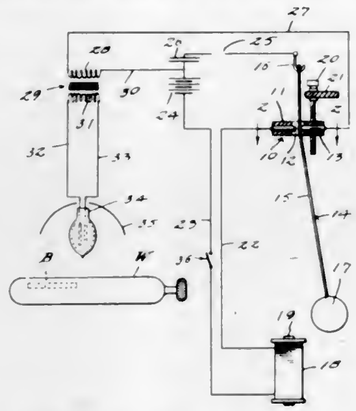
2. In a monochromator in which the exit slit has a movable jaw and in which the wave length selecting element comprises a mirror mounted on a table rotatable with respect to a base which supports the dispersing element, means to link the rotation of the mirror table with the motion of the movable jaw, said means comprising: a shaft rotatable with respect to the base, a first linkage operatively connecting the rotation of the mirror table with the rotation of the shaft, a carriage supporting the movable jaw for motion in a plane substantially parallel to the plane of the exit slit, a slit width cam affixed to the shaft, a slit width cam follower riding on the slit width cam and a second linkage connecting the slit width cam follower with the carriage, the said second linkage including a lever pivoted for rotation about a point adjustably fixable with respect to the base, whereby adjustment of the position of the lever pivot alters a numerical multiplying factor relating the motion of the slit width cam follower and the motion of the carriage.

2,587,452
WATCH TIMING DEVICE

Clarence Earl Farris, Fort Meade, Md.

Application December 1, 1947, Serial No. 788,982
2 Claims. (Cl. 73—6)

1. A flash producing means for a watch timing device comprising electro-magnetic means, a movable armature, means suspending said armature adjacent the electro-magnet means whereby the armature will be moved in at least one direction when said electro-magnetic means is energized, an electric circuit having a source of electrical potential connected with said electro-magnetic means, a switch interposed in said circuit, said suspending means constituting a circuit closer connected with said switch, a light circuit connected with said switch and said suspending means, a light in said light circuit, movement of said suspending means in one direction closing said first named circuit and movement of said suspending means in the opposite direction

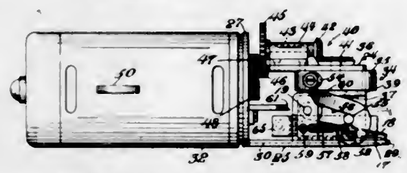


closing said light circuit, and a condenser having one side connected between both of said circuits with the opposite side thereof connected with said suspension means for alternate connection in each of said circuits, said condenser being charged at the time said first named circuit is closed and the charge of said condenser constituting the electric source for said light circuit when the latter is discharged by closing thereof by said armature to thereby effect a flashing of said light bulb.

2,587,453
FEATHER PLUCKING APPARATUS

Foster Fisher, Providence, R. I.

Application October 6, 1949, Serial No. 119,913
6 Claims. (Cl. 17—11.1)
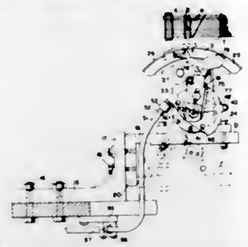


1. In an apparatus for plucking feathers, a first jaw having a slot therein and mounted for reciprocal movement, cam means engaging with said slot for reciprocating said jaw, a second jaw carried by said first jaw for movement therewith and pivotally mounted thereon for movement toward and from said first jaw, a spring interposed between said jaws for biasing said second jaw for movement from said first jaw, and cam means engaging said second jaw for moving the same toward said first jaw into feather gripping relation therewith, and a brush pivotally mounted for movement out of the path of movement of said jaws on the plucking stroke thereof and movable into the path of movement of said jaws on the return stroke thereof for engaging said jaws to remove therefrom feathers which may have adhered thereto.

2,587,454
SELVAGE SHUTTLE OPERATING MECHANISM FOR LOOMS

Norman Fletcher, Worcester, and Walter Y. Robb, Whitinsville, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application September 30, 1950, Serial No. 187,736
21 Claims. (Cl. 139—124)



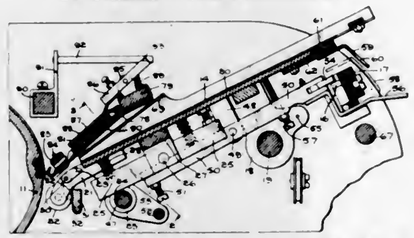
1. In a loom having a reciprocating actuator and a picking arm for a selvage shuttle movable in an arcuate shuttle race, a shaft concentric with the shuttle race operatively connected to and turning with the picking arm, a driving arm operatively connected to the shaft and turning therewith, a flexible force transmitter connected at one end thereof to and reciprocated by said actuator and secured at the other end thereof to said driving arm, and an arcuate hollow guide concentric with said shaft in which said other end of the force transmitter moves when the latter is reciprocated by the actuator.

10. In a loom having a shuttle race for a selvage shuttle, an oscillating actuator, picking means for the shuttle oscillated by the actuator and movable relatively to the latter in a direction away from the shuttle race, and means normally holding the picking means in position to reciprocate the shuttle along the shuttle race as the actuator oscillates but yieldable to enable the picking means to move to a position out of driving relation with the shuttle to permit removal of the latter from the shuttle race.

2,587,455
SECONDARY FEED AND MOISTENING DEVICE FOR HECTOGRAPH DUPLICATING MACHINES

Ronald Max Ford, Sparkbrook, Birmingham, England

Application July 8, 1950, Serial No. 172,664
In Great Britain October 10, 1949
10 Claims. (Cl. 101—132.5)

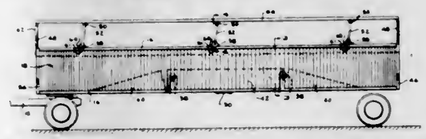


1. In a duplicating machine of the kind described having a master cylinder and registration means comprising a cam rotatable with the master cylinder and at least one feed-in tray for delivering copy sheets to the master cylinder; a frame including a pair of spaced parallel side frame members, a bar mounted between said side frame members, a bracket pivotally mounted upon said bar, a support for a tray mounted on said bracket, a pressure roller carried by said support, and disposed between the master cylinder and the tray so as to engage the master cylinder when the tray is moved towards the cylinder, a shaft mounted for oscillation within the frame and having means for engaging the tray support to cause pivotal movement thereof about the axis of said bar when the shaft is oscillated, a lever pivotally mounted on one side frame member, and means on said lever adapted to co-operate with the cam of the registration means on the master cylinder, said lever being adapted to oscillate said shaft.

2,587,456
CONVERTIBLE AUTOMOBILE AND GENERAL FREIGHT CARRYING TRAILER

Lynn M. Francis, Detroit, Mich.

Application March 28, 1949, Serial No. 83,949
8 Claims. (Cl. 296—1)



8. A cargo trailer adapted for hauling either automobiles or freight, comprising a frame structure having end and side walls, a continuous lower floor having longitudinally spaced fixed sections and an intermediate vertically movable center section, means for lowering the center section of said floor to allow loading two automobiles on said floor, end to end, with the nearer ends substantially lower than the farther ends when said floor is lowered and to provide a substantially flat floor when in its raised position, a vertically movable roof section adapted to lie in a substantially horizontal plane in either its raised or lowered position, arms pivotally supported on said roof section, rollers at the free ends of said arms for engagement with said side walls, torsion springs between said arms and said roof section, and means engaging said frame structure and affixed to said roof section for supporting said roof section in position over said frame structure when said roof section is raised or lowered.

2,587,457
PRODUCTION OF VITAMIN A AND RELATED COMPOUNDS

Myer Freed, Chicago, Ill., assignor to Dawe's Products Company, Chicago, Ill., a corporation of Colorado

No Drawing. Application August 9, 1950, Serial No. 178,545
6 Claims. (Cl. 260—617)

1. The process which comprises reacting an isoprene derivative of the group consisting of 1 - bromo - 2-methyl-butadiene and 1-chloro-2-methyl-butadiene with acetylene in the presence of an alkali catalyst in a relatively inert solvent and at a temperature below —10° C. to form 4-methyl-hexa-3,5-diene-1-yne.

6. The method of producing vitamin A alcohol, which comprises reacting 1-bromo-2-methyl-butadiene with acetylene in the presence of potassium hydroxide at a temperature below —10° C. in a relatively inert solvent and recovering 4-methyl-hexa-3,5-diene-1-yne as a reaction product, reacting the latter with ethyl magnesium bromide to form its corresponding acetylenic Grignard, condensing the latter with beta ionone to form a composition having the carbon skeleton of vitamin A, hydrolyzing said condensation

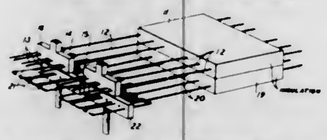
product to decompose it to 3-hydroxy-3,7-dimethyl-1-(2'6'6' trimethyl cyclohexene(1')-yl)-nona-1,6,8-triene-4-yne, partially hydrogenating said decomposition product in the presence of a supported palladium catalyst to add two atoms of hydrogen to the triple bond thereof to convert it to 3-hydroxy-3,7-dimethyl-1-(2'6'6' trimethyl cyclohexene(1') - yl)-nona-1,4,6,8-tetraene, and subjecting the latter to isomerization in the presence of an isomerizing catalyst to convert it to vitamin A alcohol.

2,587,458

CONTACT SPRING

Morris Fritts, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 25, 1949, Serial No. 112,191
7 Claims. (Cl. 200—166)



1. In a contact spring assembly, a controlling member of insulating material, a U-shaped contact member physically connected thereto, and a supporting spring physically engaging said controlling member and continuously engaging said contact member.

2,587,459

SANITARY NAPKIN PROTECTOR

Alicia Campos Fuentes, New York, N. Y.

Application August 10, 1950, Serial No. 178,630
2 Claims. (Cl. 128—290)



1. A protector for a sanitary napkin comprising a generally oval shaped, moisture proof, flexible sheet of material, a fabric sheet of the same size and shape, the two sheets being coincidently secured together by an overlock stitch around the outer perimeter of the two sheets, and a pair of parallel slots disposed in each of the two end portions across the width thereof and adjacent the ends of the protector as the means of securing a sanitary napkin of the type having two gauze tab ends to the protector by the insertion of the respective sanitary napkin tabs through both slots in the pairs of slots in the respective end portions of the protector.

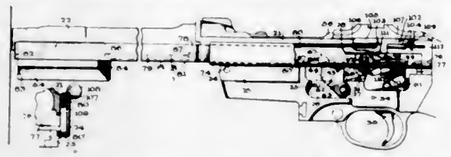
2,587,460

SELECTIVE FIRE CONVERTER FOR SEMIAUTOMATIC FIREARMS

Alonzo F. Gaidos, Redwood City, Calif.

Application September 27, 1950, Serial No. 187,035
16 Claims. (Cl. 89—140)

1. An automatic firearm comprising a receiver, a trigger housing, an automatically reciprocating slide on said receiver, a hammer pin extending through said housing, a hammer pivoted on said pin, a trigger pivotally mounted in said housing, a sear having an elongated slot, a pin extending through said slot and mounted in said housing, a forwardly extending hammer engaging nose on said sear arranged to cooperate with a notch in said hammer and retain said hammer in cocked position, a raised step on said nose, a rearwardly extending trigger engaging seat on said sear overlying said trigger, a sear tripper pivoted on said hammer pin, a sear engaging foot on said tripper overlying said step, an upwardly extending actuating projection on said sear tripper, an actuator bar reciprocable by said slide, and an actuating member on said bar arranged to engage said projection and move said sear tripper in a manner causing said nose to depress said sear.

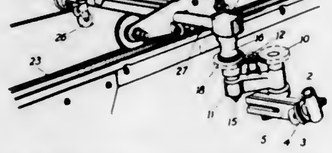


2,587,461

DEVICE FOR THE ADJUSTMENT OF THE STARTING POSITION OF THE BLOWPIPE IN OXYGEN CUTTING MACHINES

Gilbert Gatimel, Paris, France, assignor to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, a company

Application June 11, 1948, Serial No. 32,486
In France July 16, 1947
2 Claims. (Cl. 266—23)



1. In a sheet metal oxygen cutting machine, in combination, a carriage adapted to be moved in a direction parallel to the surface of the sheet metal to be cut, an arm provided with a spindle journalled on the carriage at right angle to said surface, a combined support for a blowpipe provided with a spindle journalled at the end of said arm and at right angle to said surface, a stationary gear mounted on said carriage concentric with the pivoting arm spindle, a gear secured to the combined support spindle, and an intermediary gear adapted to freely rotate on said arm and meshing with the first mentioned gears so as to turn the combined support relatively to the arm of an angle equal to the rotation angle of said arm, but in a reverse direction.

2,587,462

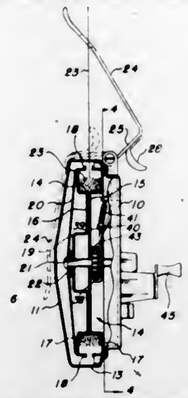
FISHING REEL

Jacob M. Goldberg, Denver, Colo.

Application October 24, 1949, Serial No. 123,278
11 Claims. (Cl. 242—84.5)

1. A fishing reel comprising a housing, a line carrying spool rotatably mounted in the housing, the housing being provided with a slot through which the line can be withdrawn, a line control member hingedlly mounted on the housing, a drive gear operatively connected with the spool,

gear locking means mounted in the housing, and a cam actuated by the line control member for moving said gear locking means into and out of gear engaging position.

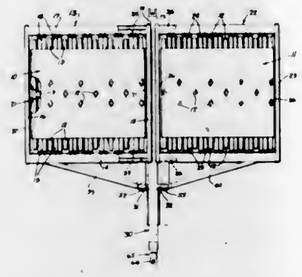


2,587,463

TAMPING ROLLER FRAME

Ulyss O. Guignard, Minneapolis, Minn., assignor to Wm. Bros Boiler & Manufacturing Co., Minneapolis, Minn., a corporation of Minnesota

Application June 22, 1946, Serial No. 678,607
5 Claims. (Cl. 55—47)



1. An improved articulated roller having two laterally spaced rolls at each side of a drawbar, a drawbar hitch pivotally connected to said drawbar, each roll including a rectangular frame for the roll, journals on the frame for the roll, each said frame being composed of front, rear, inner and outer frame pieces joined together as a rectangle which circumscribes the roll, the adjacent inner portions of the two rectangular frames having only clearance space therebetween, a drawbar positioned so as to extend between the rolls and so as to lie under and generally parallel to the adjacent inner members of the two frames, supporting lugs extending outwardly from the drawbar at opposite sides thereof so as to be under those portions of the front and rear rectangular frame members adjacent the drawbar, downwardly extending brackets on said adjacent portions of the front and rear members positioned so as to cooperate with the lugs to form pivotal connections therewith laterally spaced from the drawbar, and pivot members between each lug and the corresponding bracket, the axis of the pivots between the lugs and brackets which connect each frame to the drawbar being aligned parallel to the axis of the drawbar, said pivotal connections being the sole connection between the frames and the drawbar and between the frames whereby each roller has hinged movement with respect to the other and each roller is displaceable either up or down and parallel to a horizontal position either as a separate motion or a combination of such motions to assume corresponding positions.

2,587,464

FIBER SPINNING COMPOSITION COMPRISING SOLUTIONS OF VINYLIDENE CHLORIDE POLYMERS IN TRIS(N,N-DIMETHYLAMINO)PHOSPHENE OXIDE

George E. Ham, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 27, 1950, Serial No. 146,635
4 Claims. (Cl. 260—30.6)

1. A homogeneous miscible mixture of a polymer of at least 85 percent vinylidene chloride and up to 15 percent of another polymerizable monomer, and tris(dimethylamino)phosphine oxide.

2,587,465

SOLUTION POLYMERIZATION OF ACRYLONITRILE POLYMERS IN AQUEOUS ALCOHOL MIXTURES

George E. Ham and Earl C. Chapin, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 26, 1948, Serial No. 56,672
12 Claims. (Cl. 260—85.5)

1. A method of preparing acrylonitrile polymers of a monomeric composition of which at least 70 per cent of the monomer content is acrylonitrile, which comprises dissolving the monomers in a mixture of 20 to 98 per cent water and two to 80 per cent of a compound having the structural formula

$$HO\{CH_2CH_2—O\}_x(CH_2)_y—CH_3$$

wherein x and y are integers from zero (0) to two (2) inclusive, said mixture being from 100 to 500 per cent of the monomeric composition, contacting the solution with from 0.01 to three per cent by weight of water soluble peroxy compound and from 0.1 to five per cent by weight of a water soluble salt of an oxygen acid of sulfur in a lower valent form.

2,587,466

PROCESS OF CANNING PEPPERS

Richard W. Harris, Bridgeville, Del., assignor to H. P. Cannon & Son, Incorporated, Bridgeville, Del., a corporation of Delaware

No Drawing. Application May 11, 1950, Serial No. 161,470
8 Claims. (Cl. 99—186)

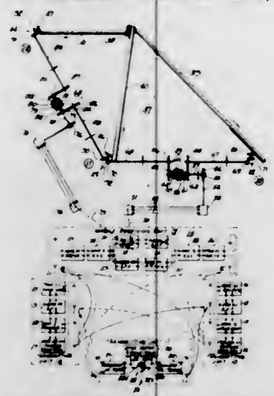
1. The process for canning peppers which comprises subjecting diced peppers to direct contact with steam until said pepper dice are heated to a temperature above about 180° F. and draining the resulting juice from the hot pepper dice; filling the hot, drained pepper dice into a can and adding to the can in an amount to cover the hot pepper dice an aqueous solution of an edible organic acid at a temperature between about 180° F. and about 212° F., said solution providing a pH below about 4.5 in the contents of the can; sealing the can, and, after a period of at least one minute from the time at which the can is seaeld, quickly cooling the sealed can and its contents to at least about 120° F., the temperature of said pepper dice from the time they are contacted with the steam until they are quickly cooled in the sealed can not falling appreciably below about 175° F.

2,587,467

POSITION PLOTTER FOR HYPERBOLIC RADIO SURVEY SYSTEM

James E. Hawkins and Robert W. Baltosser, Tulsa, Okla., assignors to Seismograph Service Corporation, Tulsa, Okla., a corporation of Delaware

Application July 19, 1949, Serial No. 105,582
24 Claims. (Cl. 343—112)



1. In a radio position finding system of the hyperbolic continuous wave type employing phase comparison in pairs of position indicating signals radiated from at least three spaced transmitting points to provide a pair of indications from which the position of a mobile receiving point relative to the known positions of the transmitting points may be determined, the combination of receiving apparatus at said mobile point including phase measuring means having a pair of indicator members rotatable to provide said indications, means including a chart providing representations of the known positions of said transmitting points relative to the area represented by said chart, and mechanical computing apparatus including a plurality of differential mechanisms having spiders driven by said indicator members and means adjustable on said chart with respect to said known positions and driven by said differential mechanisms in accordance with the rotation of said indicator members to indicate continuously on said chart the position of said receiving apparatus.

2,587,468

ETHYLENE OXIDE PROCESS

Rudolph L. Heider, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 27, 1948, Serial No. 17,590
10 Claims. (Cl. 260—348.5)

1. In the production of ethylene oxide by the catalytic oxidation of ethylene with oxygen-containing gases reacting in contact with silver surfaces, the improvement which comprises feeding from 10 to 100,000 parts per million on a volume basis of tri-substituted organic phosphates to the said reaction, said substituents of which contain from 1 to 8 carbon atoms.

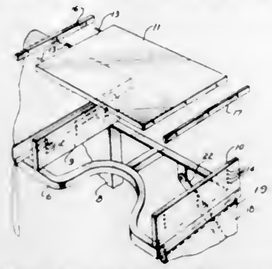
2,587,469

TYPEWRITER SUPPORT

Wayland F. Herring, Calumet City, Ill.

Application November 12, 1947, Serial No. 785,444
2 Claims. (Cl. 311—17)

1. A typewriter support, comprising a frame having means at one end for pivotally attaching it to the usual typewriter supporting unit of a desk and having two side pieces and two end pieces, one side of the frame being curved inwardly to give increased leg room for the operator, a vertical cross board on the rear inner end of the frame having a plurality of sets of vertically spaced holes, a vertical cross board on the outer front end of the frame having a plurality of sets of vertically spaced holes corresponding with the holes in the first named board, a type-



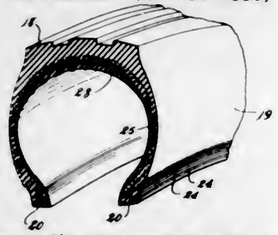
writer platform bed positioned between the end boards, pins on the inner end of the bed for engagement with the holes in the inner board to adjust vertically the support of the inner end of the bed, bolts passing through the holes in the outer board and engaging with the bed for adjustably supporting the outer end, and a support pivotally connected with the outer end of the frame to engage with the floor to support the frame.

2,587,470

PNEUMATIC TIRE

Frank Herzegh, Shaker Heights, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application December 14, 1946, Serial No. 716,276
20 Claims. (Cl. 152—330)



1. A pneumatic tire suitable for use without an inner tube, said tire comprising an open-bellied body terminating in spaced-apart bead portions, said tire having an inner lining adhered thereto and extending from bead portion to bead portion of the tire, said lining comprising butyl type rubber composition of less permeability to air than the material of the tire outwardly thereof, air-sealing means at said bead portions, and a layer of plastic adhesive puncture-sealing material comprising butyl type rubber in the crown region of the tire adhesively compatible with and united with said lining and by virtue of its adhesive property being self-sealing of punctures in said region of the tire.

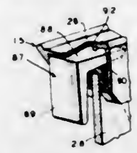
2,587,471

SASH CORNER JOINT

Harold A. Hess, Waynesboro, Pa.

Application February 13, 1948, Serial No. 8,077
4 Claims. (Cl. 189—76)

1. A rectangular metal sash comprising side rails and upper and lower cross members of channel cross section, opposed inwardly extending flanges in said channels spaced from the bottom thereof, said side rails and upper and lower cross members abutting each other along a miter joint at each corner of said sash, means for securing said side rails and cross members together at each corner comprising anchor members having tapered legs disposed at substantially right angles, said legs being tightly received in the space between said flanges and the bottom of said channel and engaging a substantial length of said flanges and a substantial length of the bottom of said channel whereby the elements of said sash are secured in assembled relation.

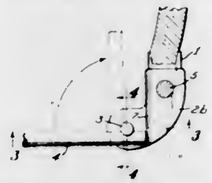


2,587,472

EYEGLASSES HAVING IMPROVED TEMPLE PIVOT STRUCTURE

George R. Hoffmaster, Esterly, Pa., assignor to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania

Application December 8, 1949, Serial No. 131,773
3 Claims. (Cl. 88—53)



2. An ophthalmic mounting comprising a frame-rim provided with an outwardly projecting ear, said ear having a temple-slot bounded in part by a stop-wall of said ear, said ear having a pivot-hole spaced from said stop-wall, a temple having a wire-like substantially straight end-portion of cylindrical shape terminating in a forward end, and a wire-like cylindrical pivot-pin secured directly to said end-portion at right angles in substantially tangential relationship at a point thereof spaced from said forward end, said pivot-pin being in said pivot-hole, said pivot-pin being spaced from said forward end and said pivot-hole being spaced from said stop-wall to limit the outward swing of said temple by causing the flat end surface of said forward end to abut said stop-wall.

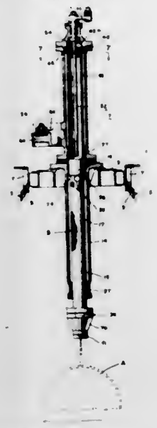
2,587,473

HYDRAULIC DEBARKER

Joseph E. Holveck, Upper Montclair, and Arthur G. Rockwood, Nutley, N. J., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application June 19, 1948, Serial No. 34,114
12 Claims. (Cl. 299—57)

1. In an apparatus for hydraulically debarking logs, a carriage for movement along a log to be debarked, a cylinder carried by said carriage, the lower portion of said cylinder forming a manifold for debarking pressure fluid, means for delivering fluid under pressure to said manifold, a hollow nozzle carrier mounted in said cylinder for longitudinal and rotary movement independently of the cylinder, a transverse partition in said nozzle carrier forming a lower pressure fluid passage and an upper space cut off from said fluid passage, means for rotating said nozzle carrier extending into said upper space, a nozzle carried by the lower end of the nozzle



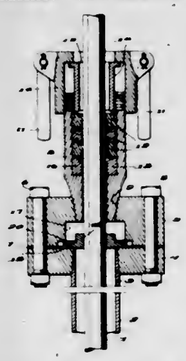
carrier, said nozzle carrier having openings therein near said partition to admit pressure fluid from said manifold into said fluid passage, a nozzle carried by the lower end of said nozzle carrier and means for moving said nozzle carrier longitudinally and rotatably independently of said manifold.

2,587,474

STUFFING BOX

Ellis M. Howard, Rising Star, Tex.

Application May 3, 1949, Serial No. 91,179
3 Claims. (Cl. 286—15)



1. A stuffing box comprising a casing having a packing ring therein adapted to receive a reciprocating polish rod therethrough, a housing connected to said casing, said housing having an annular recess provided and an annular groove formed in a face thereof, said recess and said groove being coaxially aligned with said packing ring, a centrally apertured plate secured to said housing, said plate having a side thereof spaced from and parallel to one side of said groove, and a flanged waste retainer ring slidably mounted on said polish rod within said recess to remove particles of said packing ring from said rod for deposit within said recess, said flange extending between said parallel sides of said groove and having a diameter less than the diameter of said groove, and said flange having a thickness less

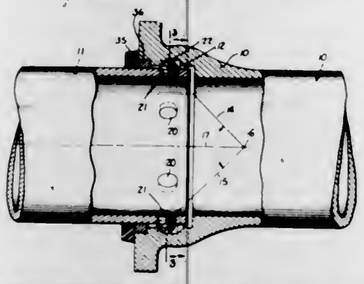
than the axial dimension of said groove, whereby said flange waste retainer ring is free to move in said groove with the movement of said reciprocating polish rod.

2,587,475

FLEXIBLE LOCKING MEANS FOR BELL AND SPIGOT JOINTS

Franklin Hudson, Roselle, N. J., assignor to Inner-Tite Clamp Corporation, Elizabeth, N. J., a corporation of New Jersey

Application May 15, 1948, Serial No. 27,255
5 Claims. (Cl. 285—175)



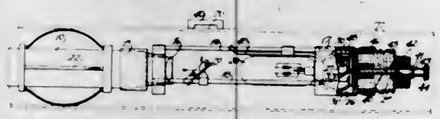
1. A flexible bell and spigot joint, comprising a bell member and a spigot member extending into said bell member, said bell member having an annular locking channel formed therein and a plurality of longitudinally extending slots communicating with said channel and providing access thereto, said spigot having a plurality of radially adjustable studs mounted therein, said studs and said slots being correspondingly spaced to enable said studs to pass through said slots and into said locking channel, a plurality of locking keys being provided for at least some of said slots to prevent the studs from slipping out of the locking channel.

2,587,476

APPARATUS FOR INTERNAL MAGNETIC AND MECHANICAL INSPECTION OF PIPES AND THE LIKE

Fritz Huhn, Ventura, Calif.

Application August 23, 1949, Serial No. 111,892
3 Claims. (Cl. 175—183)



1. A device for facilitating detection of flaws within a pipe, comprising: an elongated tubular member adapted to be inserted in a pipe, said member having an opening adjacent its inner end; electric illuminating means carried by said member and adapted to project light through said opening to illuminate the interior of the pipe; optical means within said member, including an eyepiece at the outer end thereof, through which the illuminated interior of the pipe can be observed through said opening to detect flaws; a receptacle on said member for containing a coating material; and manually controlled, electrically energized means operative to force said material from said receptacle onto flaw areas of said pipe observed through said optical means, said receptacle consisting of an expansible-contractible flexible element defining with said member a chamber for containing the material, and said manually controlled means comprising an electro-magnet having a pole piece connected to said flexible element.

2,587,477

STABILIZATION OF SYNTHETIC RUBBER

Byron A. Hunter, Seymour, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 17, 1948, Serial No. 15,512
9 Claims. (Cl. 260—45.7)

1. A stabilized composition of an elastomeric polymerization product of butadiene and a copolymerizable vinyl monomer selected from the class consisting of styrene and acrylonitrile, containing, by weight, based on the said polymerization product, from 0.05 to 5 percent of a stabilizer consisting of an aliphatic hydrocarbon acid ester of a phosphoric acid containing from 1 to 4 pentavalent phosphorus atoms.

2,587,478

METHOD OF PRODUCTION OF PYRETHRIN CONCENTRATE FROM WHOLE PYRETHRUM FLOWERS

Michael Alexis Jernakoff, New York, N. Y., George H. Batt, Elizabeth, and Nicholas A. Sankowsky, Scotch Plains, N. J., assignors, by mesne assignments, to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 2, 1947, Serial No. 765,812
2 Claims. (Cl. 260—468)

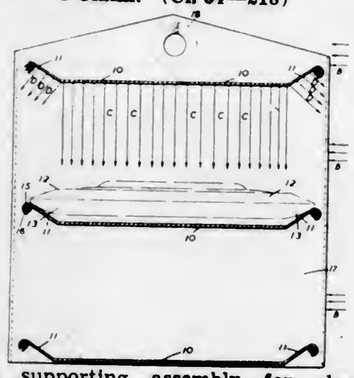
1. A process for obtaining strong extracts of pyrethrins from whole pyrethrum flowers which comprises the steps of contacting the whole unground pyrethrum flowers with petroleum distillate pyrethrin solvent at atmospheric pressure and temperature to obtain an extract of predominantly inert materials from the whole flowers; discarding this extract containing predominantly the inert materials; comminuting the resultant marc; contacting the comminuted marc with fresh petroleum distillate pyrethrin solvent at atmospheric pressure and temperature; and withdrawing the resulting strong pyrethrin extract.

2,587,479

DRYING STOVE

John Arthur Johnson, Stoke-on-Trent, England

Application September 5, 1947, Serial No. 772,240
In Great Britain September 12, 1946
1 Claim. (Cl. 34—218)



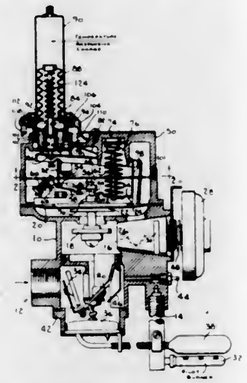
In a supporting assembly for clay-ware moulds for use in drying stoves having a vertically travelling conveyor therein and means to circulate warm air in the stove, a pair of spaced apart vertical plates adapted to be swingably mounted on the conveyor, a plurality of vertically spaced rectangular trays extending between and supported by the spaced plates, each tray including a flat bottom and flat longitudinal side edges inclined in an upward and outward direction relative to the flat bottom defining a shallow trough for supporting the mould, the flat bottom serving to deflect the heat downwardly onto the surface of the mould on the tray therebelow, the flat longitudinal side edges extending upwardly a sufficient distance to shield the edges of the clay-ware moulds on the trays from the direct effect of the warm air and also deflect the heat away from the edges of the clay-ware mould on the tray therebelow.

2,587,480

GAS CONTROL VALVE

Roy W. Johnson and Ferdinand F. Heiser, Milwaukee, Wis., assignors to A P Controls Corporation, a corporation of Wisconsin

Application October 20, 1950, Serial No. 191,281
6 Claims. (Cl. 236—92)



1. A device for use with a gas control including a pressure regulating valve movable with respect to a valve lever which may be positioned to determine the operating range of the valve and consequently the amount of fuel passed by the valve, comprising, a casing adapted for connection to said control and including a spring seat adapted to receive a spring compressed between the seat and said lever to bias said valve lever in the valve opening direction, a control lever fulcrumed in said casing, a latch depending from said control lever and formed to engage said valve lever, said latch being resilient to permit movement away from the end of the valve lever when mounting the casing on the control, and means for actuating said control lever in accordance with ambient temperature to regulate the position of the valve lever.

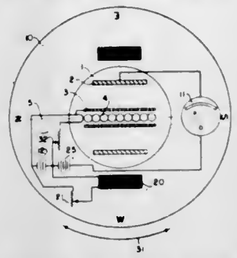
2,587,481

ELECTRON COMPASS

William L. Kaehni and Frank J. Kaehni, Cleveland, Ohio; Frank J. Kaehni executor of said William L. Kaehni, deceased

Application March 30, 1944, Serial No. 528,689
5 Claims. (Cl. 33—204)

1. Apparatus for directionally detecting low magnetic fields of the order of magnitude of the earth's magnetic field comprising a vacuum tube having an electron emitting equipotential cathode and a cylindrical nonmagnetic anode concentric therewith, indicating means responsive to the magnitude of the electron current in said tube, and means for maintaining an auxiliary magnetic field aligned with the axis of said cathode, said auxiliary field means and the tube be-



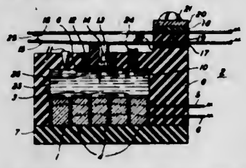
ing rotatable into alignment with the external magnetic field to be detected, said indicating means giving a maximum indication when the auxiliary field is in alignment and opposing the external field thereby indicating the direction and sense of the external field.

2,587,482

PIEZOELECTRIC TYPE SWITCHING RELAY

Arthur C. Keller, Bronxville, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 6, 1946, Serial No. 695,317
10 Claims. (Cl. 200—87)



9. A volumetric transformer comprising a container, a piezoelectric motor element in said container, a source of electromotive force impressible on said element to deform said element, a material in said container deformable in response to the deformation of said element, a constriction in said container, a portion of said material projectable into said constriction in response to the deformation of said element so as to amplify motion of said material in a particular direction, and electrical contacts responsive to said projection.

2,587,483

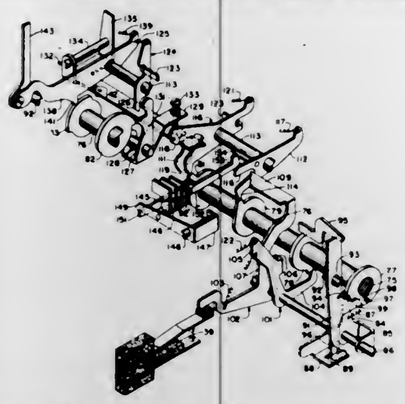
TELEGRAPHICALLY CONTROLLED TIMING MECHANISM

George G. Keyes and Gordon Sim, Chicago, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application September 17, 1949, Serial No. 116,358
4 Claims. (Cl. 178—4)

1. In a telegraphically controlled timing mechanism for controlling the operations of a telegraph receiver and a storage transmitter associated therewith, a first set of contacts for shunting said receiver, a second set of contacts for operating said transmitter, signal responsive means responsive to receive groups of code signals, said groups including a pause of predetermined duration interposed between predetermined conditioning codes, a cam means for controlling timing functions, said cam means initiated into operation in response to certain of said conditioning codes, a first means controlled by said

cam means effective in response to said pause to control the operation of said first set of contacts, a second means controlled by said cam means effective under certain operating conditions to continue the closure of said first set of contacts, a third means controlled by said cam means effective under certain other operating conditions to prevent the operation of said first set of contacts, a fourth means controlled by said cam means effective in response to certain selective conditions of said signal responsive



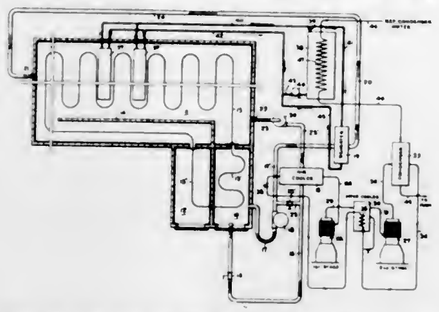
means to effectuate the operation of said third means, and a fifth means controlled by said cam means effective to condition the timing mechanism for operating said second set of contacts, whereby the operation of the storage transmitter is established by the operation of said second set of contacts and the recording apparatus is shunted by the operation of said first set of contacts in timed manner by said timing mechanism until transmission from the storage transmitter is established.

2,587,484
INSECTICIDAL COMPOSITIONS COMPRISING A POLYCHLORO CHLOROMETHYL 2,5 ENDOMETHYLENE CYCLOHEXENE 3
Allen R. Kittleson, Cranford, and Anthony H. Gleason, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 22, 1948, Serial No. 28,758
5 Claims. (Cl. 167—30)

1. An insecticidal composition comprising as an active ingredient a polychloro chloromethyl 2,5 endomethylene cyclohexene-3 containing from 50 to 75% by weight of chlorine admixed with an emulsifying agent which lowers the surface tension of water and thereby promotes aqueous emulsions of the active ingredient, said active ingredient being prepared by a process which comprises treating chloromethyl 2,5 endomethylene cyclohexene-3 with chlorine at a temperature between about 20 and 100° C. in the presence of ultraviolet light.

2,587,485
PROCESS AND APPARATUS FOR TREATING HIDES
William O. Kline, Waynesboro, Pa., assignor to Frick Company, Franklin County, Pa.
Application May 24, 1945, Serial No. 595,611
16 Claims. (Cl. 34—5)

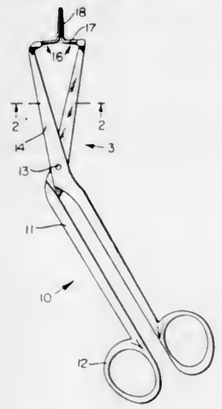
1. Apparatus for drying material at sub-freezing temperatures comprising an air cooler for lowering the dry bulb temperature of the air below freezing and the dewpoint below the temperature of the material to be dried, refrigerating means for chilling said cooler including a condenser and means to supply said condenser with a cooling medium, an air heating unit for raising the temperature of the air to a point below freezing, means to convey air from said air cooler to said air heating unit, a drying chamber, a duct connecting said heating unit with said drying chamber, an air outlet duct from the drying chamber leading to the air cooler, a fan in said latter duct, a heat exchanger for cooling said condenser cooling medium prior to



its use in the condenser, means to circulate brine in a closed circuit through said air heating unit and said heat exchanger, and means for conveying said material through said drying chamber.

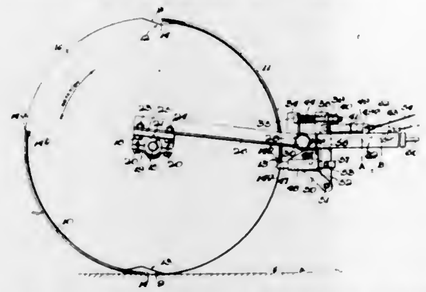
2. Drying by sublimation comprising subjecting material to be dried to flow of air having a dewpoint lower than the temperature of the material and a dry bulb temperature below freezing to cause absorption of moisture from the material by the air, heating the air as it approaches saturation to increase its sensible heat and hence its ability to further absorb moisture without heating the air enough to increase its temperature above the freezing point.

2,587,486
CERVICAL SPECULUM
Jerome Kogan, Stamford, N. Y.
Application July 13, 1950, Serial No. 173,615
2 Claims. (Cl. 128—17)



1. A cervical speculum comprising the combination with a pair of handles, a pivot connecting said handles and a blade portion connected to each of said handles and extending therefrom on the opposite side of said pivot, of arm portions extending from said blade portions substantially parallel to the axis of said pivot, an elongated loop portion connected to one of said arm portions, said loop portion comprising an inner portion extending substantially perpendicularly from said arm portion toward said other arm portion, said loop portion further comprising a terminal portion extending substantially perpendicularly from said inner portion and away from said pivot, and means mounted on said other arm portion and cooperating with said loop portion for engaging and distending the mouth of the cervix.

2,587,487
EARTH SCOOP
Ernest J. Koop, Shafter, Calif.
Application January 20, 1947, Serial No. 723,129
4 Claims. (Cl. 37—140)



1. A dirt scoop for land ridged for irrigation comprising an axle, a disc mounted on the axle for rotation, arcuate scoop plates welded to the peripheral edge of said disc with their ends spaced apart in a substantially circumferential line, said plates having knife-like leading edges and blunt trailing edges and being normally adapted to rotate with said disc on the axis of said axle, draft means journalled to said axle, and trip means carried by said draft means and including a reciprocable bolt engageable and disengageable with said blunt edges of the plates, to thereby lock the same against rotation to serve as dirt scoops.

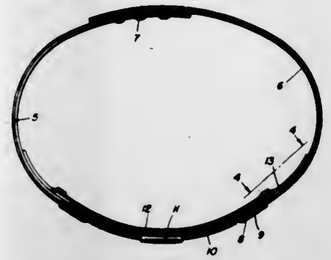
2,587,488
PRODUCTION OF KETONES
Gennady M. Kosolapoff, Auburn, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 14, 1950, Serial No. 200,879
5 Claims. (Cl. 260—592)

1. The process which comprises reacting an alkyl substituted aromatic compound, said aromatic compound containing not in excess of 3 alkyl substituents with an aliphatic monocarboxylic acid in the presence of phosphorus pentoxide.

2,587,489
PRODUCTION OF KETONES
Gennady M. Kosolapoff, Auburn, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 14, 1950, Serial No. 200,880
7 Claims. (Cl. 260—592)

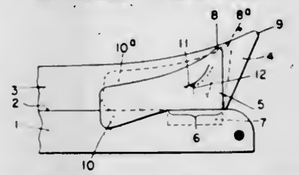
1. A process for the acylation of alkoxy substituted aromatic compounds, whereby a nuclear hydrogen atom of the said aromatic compound is replaced with an acyl group, which comprises reacting said alkoxy substituted aromatic compounds with a carboxylic acid in the presence of phosphorus pentoxide.

2,587,490
GARMENT BELT
Emil Krieger, Richmond Hill, N. Y.
Application November 9, 1948, Serial No. 59,087
3 Claims. (Cl. 2—339)



1. A garment belt comprising a pair of belt sections each including first and second end portions, said first end portion of the pair of belt sections being spaced from each other, a coil spring connected to and bridging the first end portions, an elongated flexible backing positioned longitudinally behind the coil spring, elastic members stitched to the ends of said backing and also stitched to said first end portions to provide a yieldable insert between the backing and each belt section, and means detachably connecting the second end portions of the belt sections to each other.

2,587,491
COLLAR ASSEMBLY FOR SHIRTS
Joseph W. Less, Clinton, Iowa
Application March 28, 1950, Serial No. 152,348
12 Claims. (Cl. 2—132)



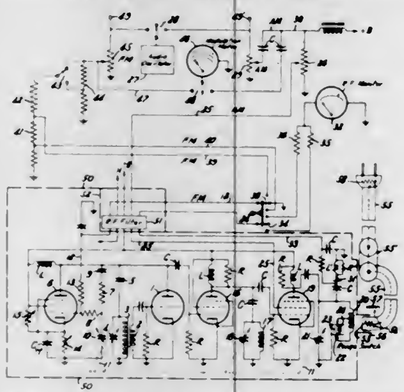
6. A shirt collar assembly comprising a neck band, a collar band joined to the upper edge of said neck band along a fold line, said collar band terminating at each end in a pointed wing, and a pair of flexible collar wing supporting and shaping elements adapted to underlie the wings of said collar band when the collar assembly is worn, each wing supporting and shaping element including a body portion in the form of a scalene triangle smaller than the corresponding collar wing and secured to said neck band at the base of the triangle, each wing supporting and shaping element also including an extension formed integrally with said body portion and extending from the long side of the triangle thereof rearwardly across the fold line between the neck band and collar band when the collar assembly is unfolded by being free to move relative to said collar assembly, whereby each extension can be displaced downwardly to lie against the collar fold line when the collar assembly is worn, said extensions terminating at the side of the neck of the wearer when said collar assembly is worn.

2,587,492
ACCESSORY FOR CURTAIN DRAPES
Ovsay Lipetz, New York, N. Y.
Application February 25, 1947, Serial No. 730,711
2 Claims. (Cl. 160—124)



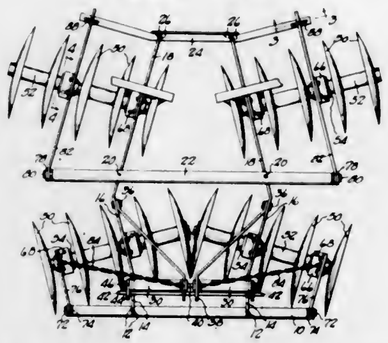
2. The combination of a curtain and a strip adapted to overlie and be fastened to the upper part of said curtain and extend along the width thereof, said curtain having a hem along its top, said strip comprising a folded band with substantially flush longitudinal lower edges one only of which is inturned, a strip forming a back layer fastened to the band with one edge between the edges of said band, another strip forming a front layer having portions gathered into ruffles, and attached to the outer side of the folded band along the other edge, said ruffles overlapping the edges of said band, stitching to secure said band and said strips together, and fasteners attached to the band above the inturned edge, said strips covering the hem of the curtain and giving a different appearance thereto.

2,587,493
MODULATED SIGNAL GENERATOR
William D. Loughlin, Mountain Lakes, and Donald M. Hill, Boonton, N. J., assignors to Boonton Radio Corporation, Boonton, N. J., a corporation of New Jersey
Application August 6, 1947, Serial No. 766,538
9 Claims. (Cl. 250—36)



1. A high frequency signal generator comprising an oscillator tube and associated circuit network tunable over a radio frequency range, means including a constant deviation reactance tube coupled to said circuit network for imposing a frequency modulation upon the radio frequency signal developed by said oscillator tube, an amplifier stage following said oscillator tube, means for imposing an alternating voltage upon said amplifier stage to effect an amplitude modulation of the radio frequency output of said amplifier stage, and means interposed between said amplifier stage and said oscillator tube to prevent reaction of said imposed alternating voltage upon the oscillation frequency of the oscillator tube.

2,587,494
DISK HARROW
Jabez A. Love, Silver Creek Township, Cass County, Mich.
Application August 20, 1948, Serial No. 45,402
12 Claims. (Cl. 55—73)



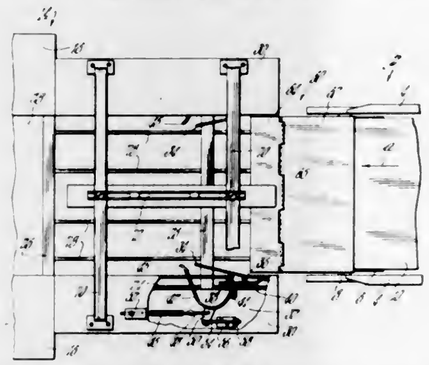
1. A disk harrow, comprising a rigid frame including a main frame unit and a superstructure, a plurality of hitch connectors carried by said frame for attachment of a power operated lift hitch of the type having three arms spaced vertically and transversely, a plurality of disk blade gangs, means connecting the inner end of each gang to said main frame unit, rigid links pivoted to said main frame unit about transverse axes and projecting rearwardly from said axes, means connecting the outer end of each gang to a link, and stop means carried by said frame and cooperating with the free ends of said links for limiting downward pivoting of said links.

2,587,495
STEERING GEAR CONSTRUCTION
Stanley L MacDuff, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 3, 1948, Serial No. 63,351
6 Claims. (Cl. 180—79.2)



6. In a manual and hydraulic power steering gear mechanism in combination, a motor cylinder having end covers furnished with inwardly projecting tubular bearings coaxially arranged within said cylinder, a rotatable shaft carried interiorly of said tubular bearings, a piston concentric of said shaft and comprised of sections, each end of said piston forming a section, said end sections constructed and arranged to be carried exteriorly of said tubular bearings, an intermediate section adjustably secured to the end sections for lateral movement relative thereto, said intermediate section having internal helical grooves and an external gear rack, said shaft having a portion formed with a helical groove corresponding to that of the intermediate section, a plurality of balls arranged partly in each of said grooves to provide a driving connection between said shaft and intermediate section, an axially adjustable rockshaft in the motor cylinder disposed at right angles to said rotatable shaft, a gear sector securely mounted on the rockshaft for engagement with said rack, and an adjustment for the rockshaft for taking up backlash between said gear sector and rack and for moving said intermediate section laterally to thereby preload said balls.

2,587,496
PACKAGE DELIVERY MECHANISM
Joseph Manteria, Springfield, Mass.
Application October 11, 1949, Serial No. 120,616
2 Claims. (Cl. 198—23)

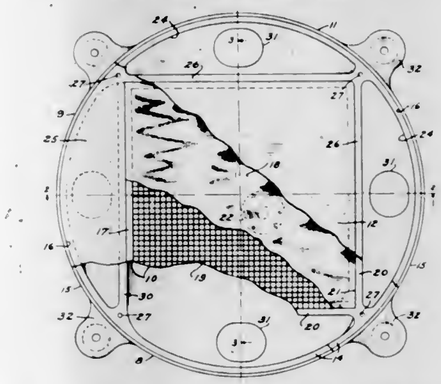


1. The combination with the upper run of an article supporting and feeding belt of a conveyor and the transversely spaced feed chains for a wrapping machine having spaced pusher bars extending therebetween of mechanism for transferring successive articles from said conveyor to said feed chains comprising, a ramp having a receiving portion over said upper run of the conveyor and a delivery portion over said feed chains hinged thereto for the passage of successive articles forwardly thereover, a lower wall having transversely spaced upper longitudinal article ridges extending forwardly from said delivery portion for slidably supporting successive articles advanced by said feed chains, transversely spaced side plates extending forwardly from said hinged portion of the ramp having equalizers pivoted at inner ends thereto for independent swinging movements and provided with inner free ends in the path of movement of successive articles for engaging opposite ends thereof, springs urging the free ends of said equalizers towards one another, stop members having inner ends pivoted to said lower wall for independent swinging movements thereof and having inner free ends in the path of movement of successive articles and spring means urging the free ends of said stop members inwardly towards one another, means limiting inward movements of said free ends, and hold-down means for resisting upward movements of articles on said ridges, the free ends of said stop members being disposed forwardly of the delivery portion of said ramp and the free ends of said equalizers being disposed between the free ends of the stop members and delivery portion of the ramp and adjacent the former whereby the free ends of the stop members and equalizers may simultaneously engage opposite ends of articles.

2,587,497
VINYL TALL OIL ESTER COATING COMPOSITIONS
Paul E. Marling, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 29, 1948, Serial No. 41,416
8 Claims. (Cl. 260—23)

1. A coating composition which consists essentially of a substance made by heating in an inert atmosphere at a temperature of 400 to 600° F. vinyl tall oil esters and from 0.01 to 5 percent by weight of anthraquinone, and a solvent for said substance, said percentages being based on the weight of the ester.

2,587,498
ROUND MOLDED GYRATORY BOLTER SIEVE
Albert M. Marsh, Wauwatosa, Wis.
Application June 16, 1949, Serial No. 99,431
8 Claims. (Cl. 209—408)

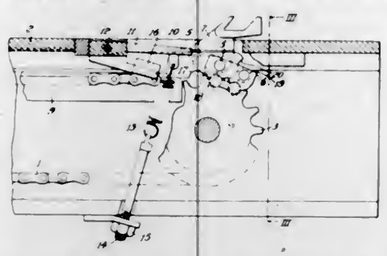


1. In a sieve assemblage, a unitary upper frame section having a circular peripheral rim and a series of integral walls forming a square central opening within the rim, a unitary lower frame section also having a circular peripheral rim snugly interlockably cooperable with said upper section rim and being provided with an integral square pan bounded on three sides by walls snugly cooperable with said upper section walls, and a separable screen confined within said upper section opening by said lower section.

2,587,499
CONVEYER MECHANISM FOR WRAPPING MACHINES
James Arthur Mason and William Arthur Roffey, Deptford, London, England, assignors to Molins Machine Company Limited, Deptford, London, England, a British company
Application September 25, 1950, Serial No. 186,518
In Great Britain September 27, 1949
2 Claims. (Cl. 198—170)

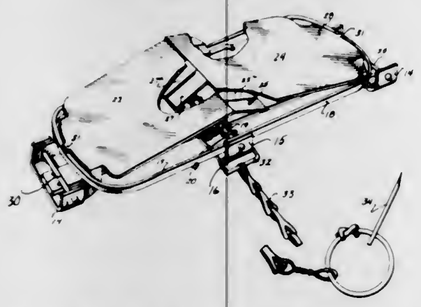
1. In a conveyor mechanism for wrapping machines of the type having a machine bed and a conveyor for moving articles along the bed for wrapping operations, the combination with pushers pivoted to said conveyor, guide means engaging said pushers to retain the latter in article engaging position over the operative portion of the conveyor run, and a device supported on said bed and positioned to yieldably engage and retard said pushers as the latter pass successively beyond the operative position of the

conveyors for tipping said pushers back out of article engaging position, and means for adjust-



ing the force applied by said device to said pushers.

2,587,500
ANIMAL TRAP
Charles A. Maxwell, Freeville, and Charles F. Lutton and Leon A. Besha, Ithaca, N. Y.
Application April 27, 1948, Serial No. 23,548
3 Claims. (Cl. 43—93)



1. In an animal trap, a base, a pair of spring actuated jaws pivoted to said base for movement towards each other, a pair of resilient plate members having their outer ends pivoted to the base, the inner end of one of the plate members being provided with spaced longitudinally extending tongues, the inner end of the other plate member having a single longitudinally extending tongue adapted to extend into the hiatus between the spaced tongues beneath the plate member, the said spaced tongues extending beneath the other plate on opposite sides of the single longitudinally extending tongue whereby the plate members are interlocked, and a projection at the outer end of each plate member adapted to extend over each jaw for maintaining said jaws in open position, the arrangement being such that the application of pressure to one of said plate members will move the projection on the other plate member away from the jaw whereby said latter jaw moves toward the other jaw.

2,587,501
DRILLING FLUID COMPOSITIONS
Victor G. Meadors, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 30, 1949, Serial No. 136,176
7 Claims. (Cl. 252—8.5)

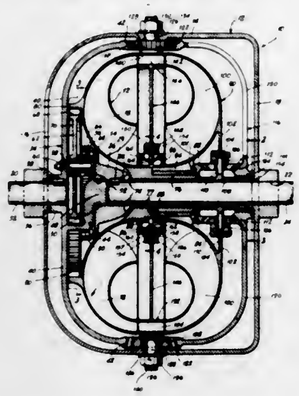
1. A drilling fluid comprising an aqueous dispersion of a clay to which has been added a viscosity increasing amount of a polyoxyalkylene derivative of a hexitan ester of a higher fatty acid.

2,587,502
PREFABRICATED HANK OF RIBBON FOR MAKING ORNAMENTAL POMPON BOWS
Thomas L. McMahon, Amarillo, Tex., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application October 28, 1950, Serial No. 192,695
8 Claims. (Cl. 41—10)



1. A hank of decorative ribbon prefabricated for easy conversion into an ornamental pompon bow, said hank comprising at least three circumvolutions of ribbon, a point on the perimeter of said hank being provided with opposed V-shaped notches extending apex inwardly from each edge of the hank, a second point on the perimeter of the hank being similarly provided with opposed V-shaped notches, said second point being about half way around the perimeter from the first point, and means for holding said notched portions of the hank in juxtaposition, the circumvolutions of ribbon lying toward the ends of the hank being adapted to be disassociated from each other for arrangement into an ornamental pompon bow.

2,587,503
TORQUE CONVERTER
Henry A. Meyer, St. Louis, Mo.
Application March 11, 1950, Serial No. 149,104
12 Claims. (Cl. 74—688)



1. A torque converter, comprising a housing; an engine shaft and a driven shaft rotatably mounted in the housing; an impeller member rotatably mounted in the housing; a runner member rotatably mounted in the housing adjacent the impeller member; fluid passage means disposed between the two members reversing the direction of flow of fluid between them so as to urge them to rotate in opposite directions; means interconnecting the impeller member and the runner member urging them to rotate in the same direction; and gear means operatively interconnecting the engine shaft, the driven shaft, the impeller member and the runner member to cause the driven shaft to rotate with the engine shaft responsive to the force of the fluid tending to rotate the impeller member and the runner member in opposite directions.

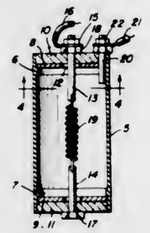
2,587,504
CLEANED AND DEGREASED WOOL SLIVER AND PROCESSES EMPLOYING THE SAME
Walter F. Moody, Thompsonville, Conn., assignor, by mesne assignments, to Bigelow-Sanford Carpet Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 25, 1945, Serial No. 624,572
4 Claims. (Cl. 19—66)

1. Washed, scoured, dried, picked, carded and static-free wool sliver substantially free of greasy substances and having adhered to the fibers of the sliver ¼ to 1% of finely divided particles of bentonite to the weight of the wool, the greater proportion of said particles being less than 0.5 micron in diameter, and said sliver being capable of being made without oil treatment into yarn suitable for use as pile yarn of carpets and rugs.

2,587,505
PILE FABRIC FLOOR COVERING AND PILE YARN THEREFOR MADE FROM CLEANED AND DEGREASED WOOL SLIVER
Walter F. Moody, Thompsonville, Conn., assignor to Bigelow-Sanford Carpet Company, Inc., Thompsonville, Conn., a corporation of Delaware
No Drawing. Original application October 25, 1945, Serial No. 624,572. Divided and this application July 16, 1951, Serial No. 237,062
2 Claims. (Cl. 28—80)

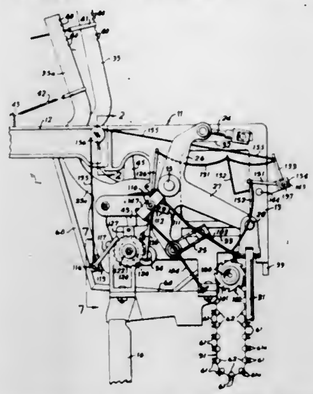
1. A pile fabric floor covering comprising a tread surface of pile tufts of washed, scoured, dried, picked, carded and static-free wool yarn substantially free of greasy substances and oils and having adhered to the fibers thereof ¼ to 1% of finely-divided particles of bentonite to the weight of the wool, the greater proportion of said particles being less than 0.5 micron in diameter.

2,587,506
FIRE ALARM
George L. Moreland, Peoria, Ill.
Application November 21, 1949, Serial No. 128,521
1 Claim. (Cl. 200—142)



A circuit closer comprising a metal case, a metal disk in each end of the case and having a central opening, a fixed terminal at one end of the case, a pair of conductor rods projecting outwardly through the openings in the disks at the ends of the case, spring means connected to the inner ends of the rods for moving the rods inwardly and providing a conductor between the rods, contacts at the outer ends of the rods, one of said rods constituting a second terminal, and non-conductive fusible means sealing the ends of the case and positioned between the disks and the contacts to electrically separate the same from each other, and said fusible means also holding the rods in centrally spaced relation in the openings of the disks.

2,587,507
PATTERN MECHANISM FOR DOBBY LOOMS
Ivey C. Morris, Lowell, N. C.
Application December 26, 1950, Serial No. 202,697
10 Claims. (Cl. 139—71)

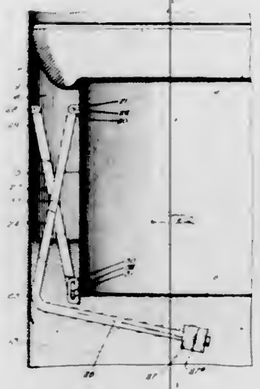


1. An improvement in the dobby head of a loom, said dobby head having dobby jacks and also having a rocker and also having pivoted hooked arms associated with each dobby jack and also having means on the rocker engageable by said hooked arms for imparting movement to the corresponding dobby jacks and also having rotatable pattern means for controlling the operation of the hooked arms for determining the dobby jacks to be operated by the means on the rocker according to a desired pattern, said improvement comprising a block pivotally mounted on the rocker and adapted to move therewith and having first and second spaced ratchet pawls extending therefrom, a first and a second oppositely directed ratchet wheel operatively associated with said rotatable pattern means, the free ends of the first and second pawls being disposed astride and coinciding with the corresponding first and second ratchet wheels, a special dobby jack adapted to be oscillated in response to said pattern means, a normally upwardly biased spring loaded member disposed above the free ends of said pawls, a pliable connection between the normally upwardly biased member and said pawls, a connection between said special dobby jack and the spring loaded member normally permitting the first pawl to ride in engagement with the corresponding ratchet wheel for imparting step-by-step rotation to the pattern means in one direction during operation of said rocker, said connection between the special dobby jack and the spring loaded member being operable with the special dobby jack to thereby permit the spring loaded member to move upwardly to move the second ratchet pawl into engagement with the second ratchet wheel upon the pattern means affecting the special dobby jack to cause the same to move in one direction to thereby cause the pattern means to be alternately rotated a step in a reverse direction.

2,587,508
SEAL HANGER FOR FLOATING ROOFS
Frederick D. Moyer and Leonard P. Zick, Chicago, Ill., assignors to Chicago Bridge & Iron Company, a corporation of Illinois
Application May 2, 1947, Serial No. 745,444
12 Claims. (Cl. 220—26)

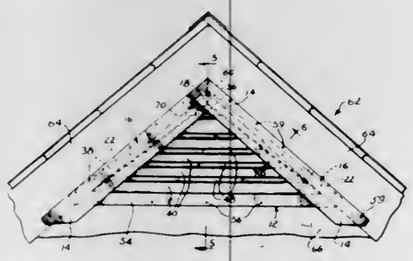
1. In a liquid storage tank having a floating roof and one or more shoes adapted to slidably contact the inner side walls of the tank, means for supporting the shoes against the side walls in-

cluding a lever swingably attached to the roof, said lever having an angular portion, a portion extending downwardly in the space between the roof and the tank from the point of attachment of the roof to the angular portion and a portion extending inwardly from said angle and a rigid metallic shoe supporting member having one end pivotally connected to the shoe and having the



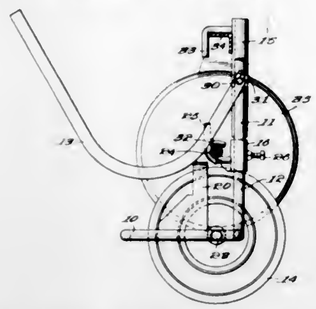
other end pivotally connected to the roof, said connection to the roof permitting vertical movement and preventing horizontal movement of said other end with respect to the roof, said shoe supporting member being pivotally connected intermediate its ends to the downwardly extending portion of the lever and being supported thereby.

2,587,509
LOUVER
Richard C. Moyer, Norman J. Oliver, and Max L. Rysdon, Sioux Falls, S. Dak., assignors to Sioux Steel Company, Sioux Falls, S. Dak., a corporation of Delaware
Application July 2, 1949, Serial No. 102,748
9 Claims. (Cl. 98—121)



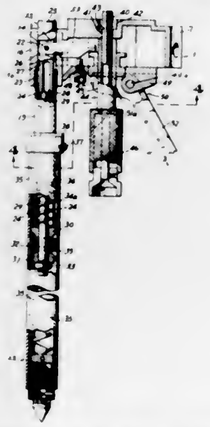
3. In a device of the character disclosed, a ventilator unit having a pair of frame members disposed at an angle to each other meeting at a common junction point, and a molding strip individual to each frame member, and means for adjustably securing said strips to said ventilator unit adjacent said junction point, said molding strips being at least as long as said frame members and adjustable to positions overlying respective frame members, and being adjustable in directions transverse to the longitudinal dimensions of said respective frame members.

2,587,510
DISK CARRIER ATTACHMENT
Marvin Neikirk, Forest City, Ill.
Application June 28, 1949, Serial No. 101,867
3 Claims. (Cl. 55—73)



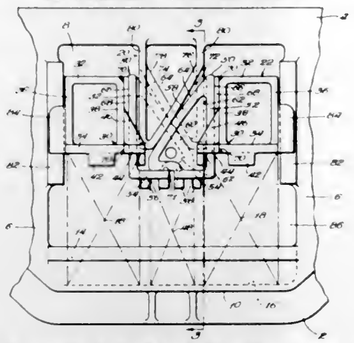
1. A disc carrier attachment comprising a yoke having arms with upwardly extended bars at the ends of the arms, a wheel rotatably mounted in the yoke, means pivotally mounting the yoke on an axle of a disc through the bars at the ends thereof, a hand lever pivotally connected to an arm of the yoke and positioned to be fulcrumed on the axle of the disc for actuating the yoke to elevate the disc with the axle of the disc extended over the center of the wheels mounted in the yokes, and means locking the parts with the disc in an elevated position and carried by the wheels.

2,587,511
TRIPOD
Tom Nerman, New York, N. Y.
Application July 22, 1949, Serial No. 106,202
16 Claims. (Cl. 248—188)



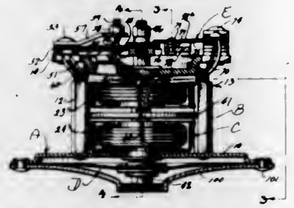
4. A tripod comprising a head; telescoping legs pivotally mounted on said head and normally depending therefrom substantially in parallelism with each other; a cam pivotally mounted on said head, said cam engaging said legs and spreading the same upon pivotal movement of said cam; a bellcrank mounted on said cam for pivotal movement, one arm of said bellcrank constituting a handle whereby both said cam and said bellcrank may be pivotally moved; locking means within each leg normally preventing telescoping thereof; and means actuated by said bellcrank for simultaneously releasing the locking means of all legs.

2,587,512
SNUBBED TRUCK
Otto W. Neumann and Gerald D. O'Neil, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 27, 1948, Serial No. 46,414
20 Claims. (Cl. 105—197)



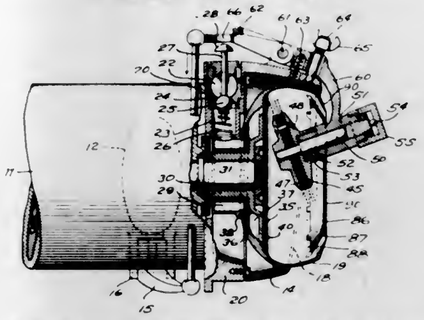
1. In a truck, a side frame comprising tension and compression members and spaced columns defining a bolster opening, a post integral with one of said members extending into said opening, a bolster comprising spaced legs extending into said opening at opposite sides of said post, a shoe between each leg and said post in frictional engagement with the former and having spaced wedge portions in wedge engagement with the latter, the portions of respective shoes interfitting with each other, and spring means for actuating the shoes compressed between the same and one of said members.

2,587,513
ELECTRIC HORN
Richard C. Nielsen and Peter Nielsen, Omaha, Nebr., assignors to Jubilee Manufacturing Company, Omaha, Nebr., a corporation of Nebraska
Application January 3, 1950, Serial No. 136,540
7 Claims. (Cl. 177—7)



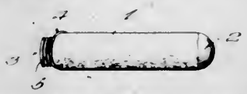
1. In an electric sounding signal the combination of a pair of relatively spaced mounting plates having means to detachably mount the same in spaced relation for adjustment towards and away from each other, a pair of electromagnets mounted in fixed relation upon the facing surfaces of said plates, one upon each plate, said electromagnets including cores with aligning passageways and individual windings, the electromagnets being relatively spaced to provide a definite air gap therebetween, a diaphragm mounted upon one of said plates, an armature including an armature shaft having ends extending thru the passageways of the electromagnets, the shaft being connected to the diaphragm with the armature in the air gap between the electromagnets, means connecting the armature shaft yieldably to said frame in position so that the armature may be adjusted in the air gap with respect to said electromagnets, individual circuit making and breaking assemblies for said electromagnets associated and arranged with respect to the armature for alternate opening and closing upon oscillation of the armature.

2,587,514
ROTARY DISTRIBUTOR FOR SPRAYING DEVICES
Edward O. Norris, Westport, Conn.
Application April 5, 1948, Serial No. 18,976
16 Claims. (Cl. 299—63)



1. A spraying device comprising a distributor disc having a plurality of pockets formed therein, means supplying to said pockets a spray-forming material to be sprayed, and means rotating said disc at a speed to project the material from said pockets in the form of a spray.

2,587,515
COILED END WITHDRAWAL STRING FOR TAMPONS
Frank P. Parish, Taneytown, Md., assignor to Sanitary Products Corporation, Taneytown, Md., a corporation of Illinois
Application July 26, 1949, Serial No. 106,845
6 Claims. (Cl. 128—285)

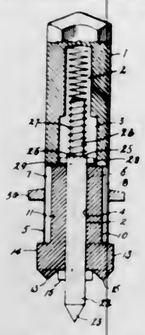


1. A tampon having a withdrawal string secured to one end thereof and free at the other end thereof, and the free end of said string arranged in a compact coil at said end of the tampon.

2,587,516
PUNCH
William Parker, East Cleveland, Ohio
Application June 7, 1949, Serial No. 97,567
1 Claim. (Cl. 33—191)

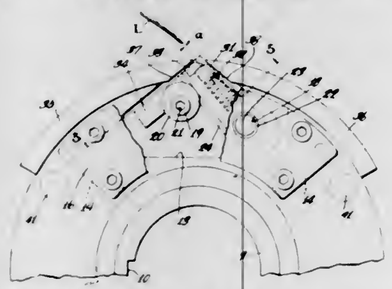
A tool of the class described, comprising, in combination, a holder having three bores therein concentrically positioned with the axis thereof consisting of an upper bore, a middle bore and a lower bore, the wall of the lower bore being provided with diametrically aligned slots adapted to provide a collet like structure, a removably mounted punch mounted in the collet like structure, a centering element slidably mounted in the punch and provided with a reduced upper portion to provide a shoulder, and being transversely apertured adjacent said shoulder to permit insertion of a pin therethrough, the pin adapted to prevent the centering element from being forced out of the punch, an expansible spring mounted on and surrounding the reduced upper portion of the centering means and in the upper bore, the pin adapted to slide friction free in the

middle bore, a flange mounted externally on the punch and cooperating with the collet portions formed by the diametrically aligned slots to pre-



vent the punch from forcing the collet portions dissymmetrically when the punch is mounted in the collet like portion of the holder.

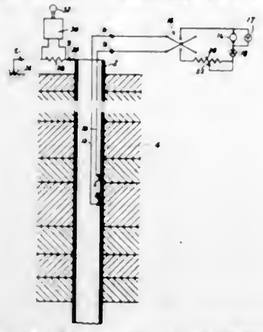
2,587,517
CLAMP MEANS
Homer D. Paxson, Salem, Ohio
Application March 2, 1949, Serial No. 79,179
9 Claims. (Cl. 242—78)



1. Means for clamping material, comprising: first means providing a clamping surface; second means being shiftable toward and away from said clamping surface, and comprising engagement means bodily movable with said second means; means for locking said second means in predetermined position relative to said clamping surface, and being releasable so that said second means may be shifted away from said clamping surface; and resilient means for urging said engagement means toward said clamping surface to clamp the material inserted between said clamping surface and said engagement means when said second means is in said predetermined position.

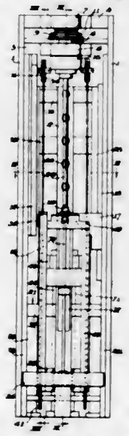
2,587,518
ELECTRICAL LOGGING METHOD AND APPARATUS
John M. Pearson, Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application January 21, 1949, Serial No. 71,985
4 Claims. (Cl. 175—182)

1. Apparatus for determining the location and character of strata penetrated by a bore hole containing a conductive casing comprising a pair of electrodes engaging the interior of the casing at points spaced lengthwise of the casing, means supporting said electrodes for movement within the casing with fixed spacing, lengthwise of the casing, between them, means for introducing current through said electrodes to flow in the casing and the surrounding strata, and means



for measuring the potential between the casing and a remote ground.

2,587,519
MACHINE TOOL
William B. Peirce, Pittsburgh, Pa.
Application February 9, 1949, Serial No. 75,326
8 Claims. (Cl. 29—27)

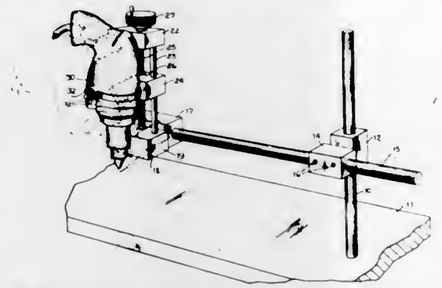


7. A vertical machine tool comprising a driven headstock, a tailstock below the headstock provided with a vertical passage through it, a vertical drill below the tailstock adapted to be moved up through said passage, a carriage supporting the lower end of the drill, means for raising the carriage, a substantially upright arm having its lower end pivoted to the carriage on a horizontal axis, the upper end of the arm being disposed in front of the tailstock, a turning tool carried by said upper end of the arm at a level above the level of the upper end of the drill, and means for swinging the upper end of the arm toward the tailstock when the carriage is raised to move said tool into engagement with a vertical workpiece supported by the headstock and tailstock, whereby the tool will turn the outside of the workpiece while the latter is being drilled below the tool.

2,587,520
ADJUSTABLE POWER-DRIVEN TOOL SUPPORT
Arthur Peplow, Chicago, Ill.
Application November 5, 1948, Serial No. 58,469
1 Claim. (Cl. 77—31)

A tool-supporting assembly for power-driven tools, said assembly comprising a work table

presenting a horizontal face, a vertically extending rod fixedly secured thereto, a block carried by and adjustable longitudinally and swingingly on the rod, said block having a side face carrying a block element having an opening therethrough the axis of which extends horizontally in parallelism with the table top, a second rod of extended length extending axially through and adjustably mounted in said block element opening for pivotal and axial adjustment therein, one end of said latter rod carrying a support block thereon remote from the vertical rod, said support block carrying a stub shaft extending transversely therethrough and transverse to the axis of the second rod to thereby form a tool unit support having an adjustable position relative to the work table, the second rod and its support block being arranged in parallelism with and at adjustable distances from the table top by adjustment in an arcuate path about the vertical rod and being individually adjustable pivotally and longitudinally to determine the active position of the stub shaft axis, and a tool carriage unit carried by and pivotally adjustable on said stub shaft, said unit including a



block mounted on said stub shaft for pivotal adjustment thereon, said latter block forming the lower member of the unit, a second block permanently spaced above such lower block and connected therewith by a manually rotatable element having a thread zone intermediate the said unit upper and lower end blocks, the latter blocks being further connected by a pair of connecting rods in laterally spaced relation to the thread zone, a travel block intermediate the unit end blocks and supported by such thread zone and the connecting rods and movable longitudinally of the zone and rods by manual rotation of the threaded element, and means carried by said travel block removably embracing a mid-zone of the length of a power driven removable work performing assembly tool to thereby provide a fixed relation between the latter assembly and the unit with both bodily movable together adjustably about the stub shaft axis and with the tool assembly movable bodily in the direction of unit length adjustably by travel block movement to thereby position the tool axis relative to the table top as to location of the tool axis and of such axis angularity to the table top.

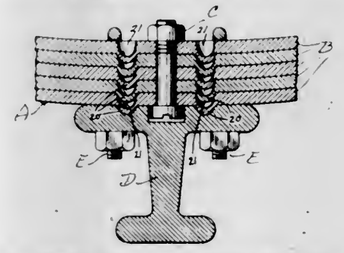
2,587,521
CABLE REINFORCING AND SUPPORTING DEVICE
Thomas F. Peterson, Shaker Heights, Ohio
Application June 23, 1945, Serial No. 601,245
9 Claims. (Cl. 248—63)

1. In combination, a stranded cable and the like, a plurality of resilient elongated reinforcement elements for said cable, said elements being distributed substantially symmetrically around said cable as regarded in right section, each element being helically preformed to constitute a helix surrounding said cable, said helix throughout its length having a preformed inside diameter less than the outside diameter of the stranded



cable, and having the pitch and direction of the lay thereof substantially the same as the pitch and direction of the lay of the strands of said cable, whereby said elements extend in frictional contact with adjacent strands of said cable respectively.

2,587,522
LEAF SPRING CONSTRUCTION
William T. Pilkington, Jr., Beckley, W. Va., assignor of one-third to William Pilkington, Sr., and one-third to Paul Mallamas, Jr., both of Beckley, W. Va.
Application July 25, 1947, Serial No. 763,551
2 Claims. (Cl. 267—52)



1. In a spring construction the combination of a plurality of leaf sections, a bolt extending through all of said sections and connecting said sections together centrally between the ends thereof, each of said spring sections closely adjacent to said bolt and at each side thereof at the longitudinal center line of the section being provided with an indentation upon one surface and a projecting boss upon the opposite surface with the bosses of one section fitting into the indentations of an adjacent section whereby to relatively connect said sections preventing relative longitudinal movement of said sections to obviate turning movement at the location of said bolt and against shear action upon said bolt.

2,587,523
PROCESS FOR FORMING A GLAZE ON CARBON
Charles H. Prescott, Jr., Berkeley, Calif.
No Drawing. Application May 6, 1948, Serial No. 25,530
7 Claims. (Cl. 117—46)

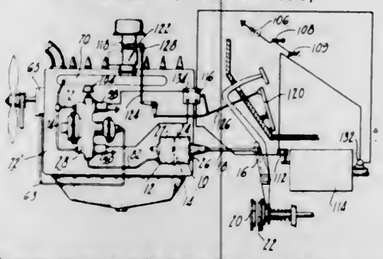
1. In a process for forming an adherent surface glaze of refractory oxide of an element selected from the group consisting of thorium, hafnium, and zirconium bonded directly to the surface of a carbon structure, the steps comprising coating said carbon structure with a compound of said element selected from the group consisting of silicates, borates and phosphates dispersed in a cellulose nitrate vehicle, and thereafter heating the coated carbon structure to a temperature

in the range of 2350° K. to 2500° K. in the presence of an atmosphere of carbon monoxide gas having a pressure slightly in excess of the equilibrium pressure thereof in the reaction

$$XO_2+4C=XC_2+2CO$$

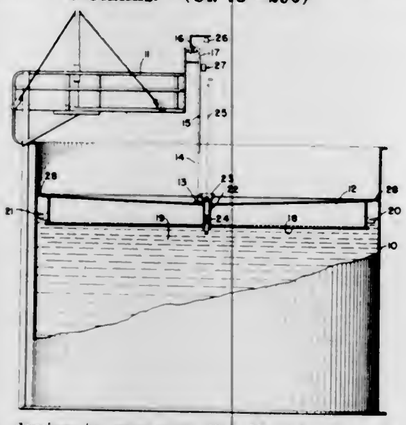
where X is one of said elements whereby said compound of said elements is decomposed producing said surface glaze of a refractory oxide thereon while the remainder of the coating including the vehicle and remnants of the compound are vaporized therefrom.

2,587,524
CLUTCH CONTROL MECHANISM
Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 24, 1947, Serial No. 756,640
7 Claims. (Cl. 192—.052)



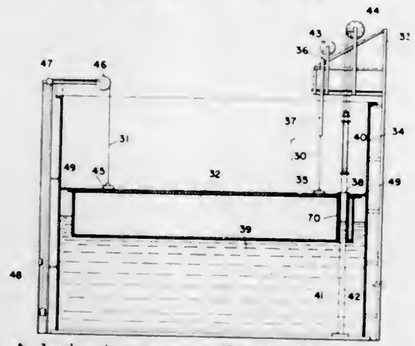
1. Power means adapted to operate the friction clutch of an automotive vehicle including a single acting pressure differential operated motor, fluid transmitting means connected to one end of the motor and adapted at its other end to be connected to a source of vacuum, and means for controlling the operation of the motor including a valve unit comprising a body member, a valve member reciprocable within the body member, a spring and pressure differential operated motor including a power element operably connected to one end of the valve member, and another spring and pressure differential operated motor including a power element connected to the other end of the valve member.

2,587,525
FLOATING ROOF TANK GAUGE
Harold A. Quist, Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application October 28, 1947, Serial No. 782,534
6 Claims. (Cl. 73—290)



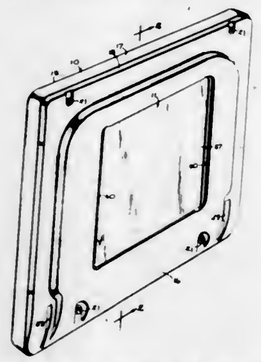
1. A device to measure the liquid contents of a floating roof storage tank comprising in combination, a tape adapted to read the height of the center of the floating roof surface in contact with the supporting liquid above the bottom of said tank, a pulley conducting said tape to a convenient reading station, a gauge tube open to the stored liquid in said tank in the floating roof proximate said tape, and an ullage rod to determine the depth of the displaced stored liquid as shown in the tube in said floating roof.

2,587,526
FLOATING ROOF TANK GAUGE
Harold A. Quist, Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Original application October 28, 1947, Serial No. 782,534. Divided and this application July 6, 1949, Serial No. 103,218
5 Claims. (Cl. 73—290)



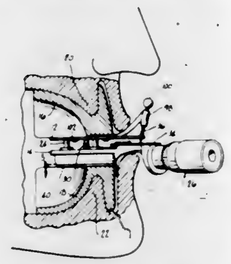
4. A device to measure the liquid contents of a floating roof storage tank comprising in combination means for measuring the quantity of liquid below the liquid contact surface of said floating roof at selected diametrically opposed points thereon, a gauge tube open to the stored liquid through the floating roof proximate one of said selected points, and an ullage rod insertable in the gauge tube to measure the depth of the liquid displaced in floating said roof at said selected point.

2,587,527
OVEN DOOR CONSTRUCTION
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application November 9, 1949, Serial No. 126,285
6 Claims. (Cl. 126—200)



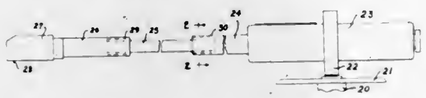
1. In an oven door structure, in combination, a pair of sheet metal panels assembled in face-to-face relation, said panels having aligned generally rectangular openings defining a window, a pair of transparent panes for closing the window, means supporting one of said panes in a fixed position adjacent the front face of the door in position to close the window, cooperating means on said panels supporting the other pane for edgewise sliding movement relative to the window, the opening in one panel being dimensioned to provide an abutment surface engageable by the upper and lower marginal edges of the other pane, and the opening in the other panel being dimensioned to clear the upper and lower edges of the other pane and to overlie the marginal edge portions at opposite sides of that pane when it is centered with respect to the window, and spring means engaging the side edges of said other pane to yieldably retain it in such centered position.

2,587,528
EQUALIZER FOR ARTIFICIAL DENTURES
Saul C. Robinson, Portland, Oreg.
Application January 12, 1951, Serial No. 205,724
18 Claims. (Cl. 32—19)



1. An equalizer for use in the making of artificial dentures, said equalizer comprising spaced, generally horizontal upper and lower members adapted to be used with temporary bite rims fitted to the edentulous ridges of the patient, one of said members having a plurality of small vertical cylinders with pistons and studs projecting toward and adapted to contact the other member, a source of pressure fluid, and flow passages connecting said source to all of said cylinders, whereby the pressure on the ridges may be equalized during functional stress and preparatory to the insertion of a quick-setting plaster between said upper and lower members as a record.

2,587,529
ARM FOR HOLDING A STYLUS FOR USE WITH SOUND RECORDS
Ronald J. Rockwell, Cincinnati, Ohio, assignor to Crosley Broadcasting Corporation, Cincinnati, Ohio, a corporation of Ohio
Application May 3, 1947, Serial No. 745,697
2 Claims. (Cl. 274—23)



2. A cantilever type horizontally mounted phonograph tone arm for a sound reproducer comprising, in combination, a stylus-holding member, an orienting member, and an intermediate spanning member therebetween, said stylus-holding and orienting members being formed with hollow elongated non-circular tubular portions, said spanning member being non-circular and similar in cross section to said tubular portions of said stylus-holding and orienting members, said spanning member and said stylus-holding and orienting members being telescopically overlapped and defining spaces at the overlapped portions of said members, and plasticized nitro-cellulose plastic acoustic damping material interposed in the spaces, said damping material being physically adhesively bonded to the contiguous overlapped surfaces of said members to join them permanently into a continuous unitary rigid non-rotatable structure with two acoustically damped joints at the ends of said spanning member intermediate the ends of the tone arm.

2,587,530
WATER AND FIRE TUBE FOR STEAM BOILERS
Giovanni Rossi, Valle Lomellina, Italy
Application March 14, 1949, Serial No. 81,382
In Italy March 13, 1948
2 Claims. (Cl. 122—114)

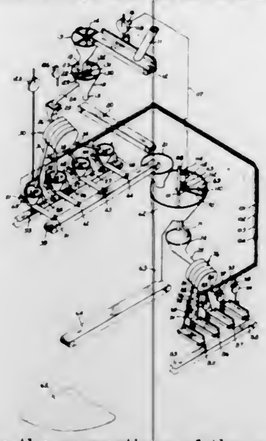


1. A water and fire tube element comprising, in combination, an outer elongated tubular body formed with inlet and outlet openings adjacent opposite ends thereof, respectively; an inner tubular body located within said outer tubular body, extending in the longitudinal direction thereof and having opposite open inlet and outlet end portions passing through the wall of said outer tubular body, said inner tubular body being at least partially formed with a plurality of annular corrugations which are spaced from each other by progressively decreasing distances in the direction from said inlet end portion to said outlet end portion of said inner tubular body.

2,587,531
METHOD OF AND APPARATUS FOR PROPORTIONING THE CONSTITUENTS OF MATERIALS
Walter E. Saxe, Pasadena, Calif., assignor to The Conveyor Company, Inc., Los Angeles, Calif., a corporation of California
Application February 5, 1951, Serial No. 209,500
24 Claims. (Cl. 259—154)

19. In an apparatus for regulating the proportions of the constituents of a multiple-constituent material, the constituents being separated from each other, the combination of: means for mixing variable proportions of the separated constituents together; and control means responsive to the proportions of the mixed constituents and operatively connected to said mixing means for varying

the proportions of the separated constituents which are mixed together as inverse functions of



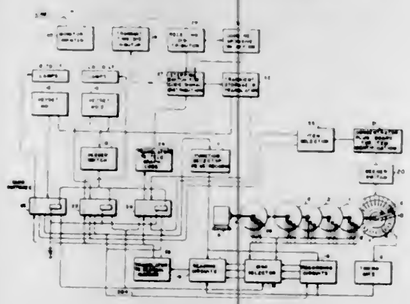
deviations in the proportions of the constituents from prescribed values.

2,587,532

SYSTEM FOR MAGNETIC STORAGE OF DATA

Edwin L. Schmidt, Croton-on-Hudson, N. Y., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware

Application May 5, 1948, Serial No. 25,285
18 Claims. (Cl. 177—353)



1. A system for magnetic storage of statistical items and for revealing said items selectively as wanted, said system comprising signal responsive means including devices for responding to incoming code signals of group identifying significance and devices subject to control by incoming code signals of character significance, a continuously rotatable member having a magnetizable surface along different paths of which electrical pulses may be magnetically recorded, a number of said paths serving to record respectively different elements of a permutational code signal, recording heads having magnetic pole pieces relative to which said member may be moved for spot magnetization along said paths in response to said pulses, gating means operable to apply said spot magnetization at predetermined positions along said paths, selecting means controlled by said identifying signals for instructing said gating means when to operate, and read-out devices operable in response to a request signal when accompanied by an identifying code signal, whereby the intelligence of any selected statistical item may be singly revealed and caused to be visually displayed.

2,587,533

RIBOFLAVIN-FORMALDEHYDE REACTION PRODUCT

Karl Schoen, Kew Gardens, and Samuel M. Gordon, Forest Hills, N. Y., assignors to Endo Products, Inc., Richmond Hill, N. Y., a corporation of New York

No Drawing. Application April 22, 1949, Serial No. 89,158
11 Claims. (Cl. 260—211.3)

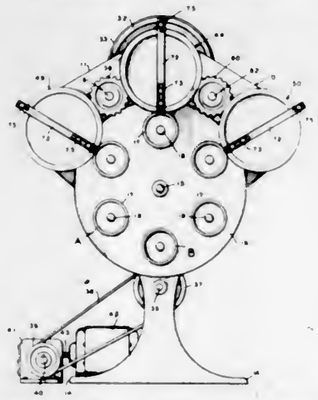
1. A methylol derivative of riboflavin wherein at least one hydroxyl of the ribityl group is replaced by $O(CH_2O)_nH$, n being a positive integer whose minimum value is one and whose maximum value is eighteen, the maximum number of CH_2O groups in the entire molecule of said derivative being eighteen, said derivative having the ring group of riboflavin and being substantially free from formaldehyde.

2,587,534

DESIGN DYEING APPARATUS

Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee

Application November 26, 1947, Serial No. 788,186
8 Claims. (Cl. 101—115)



1. Apparatus for design dyeing of fabric articles comprising in combination a frame, a plate and Geneva gear rotatably mounted on said frame, a main drive shaft rotatably mounted on said frame, a Geneva drive member mounted on said drive shaft for cooperation with said Geneva gear whereby upon rotation of said drive shaft said plate will be intermittently rotated step by step, means associated with said Geneva gear and said Geneva gear drive member whereby said plate will be locked against rotation between each movement thereof, a plurality of article receiving cylinders rotatably mounted on said plate, means on said cylinders to facilitate proper positioning of the articles thereon, a drive gear operatively associated with each article receiving cylinder, a dye applying cylinder mounted on said main drive shaft for rotation therewith, additional dye applying cylinders journalled on said frame disposed on either side of said first mentioned dye applying cylinder and in spaced relation thereto, each of said dye applying cylinders comprising a screen carrying a design, a gear disposed on the inner end of each cylinder, a squeegee adjustably mounted within said screen and in contact with the inner surface thereof whereby upon rotation of said screen dye disposed on the inner surface thereof will be forced through the design thereon

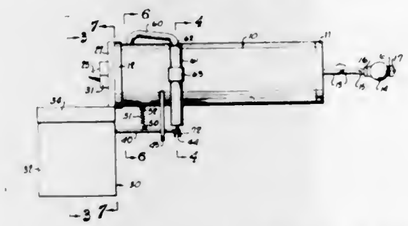
by the action of said squeegee, idler gears disposed between the gears on said cylinders whereby said cylinders will be simultaneously rotated at the same speed and in the same direction, said article receiving cylinders being disposed on said plate in a manner whereby the drive gear on each article receiving cylinder will successively engage the gear on each dye applying cylinder at intervals during the step by step rotation of said plate and whereby articles carried by said article receiving cylinders will engage said screens and be rotated while in engagement therewith at the same surface speed to apply a design to the article, and means to lock said article receiving cylinders against rotation while out of engagement with said dye applying cylinders.

2,587,535

AUTOMATIC BUBBLE FORMING DEVICE

Joseph C. Scott, Charlotte, N. C.

Application October 13, 1948, Serial No. 54,235
3 Claims. (Cl. 46—8)



3. Means for forming a plurality of bubbles from a bubble forming solution comprising a manually operable compressed air pump provided with a nozzle at one end of the same through which a stream of compressed air is adapted to be forced from the compressed air pump as it is actuated, a reservoir for holding bubble forming solution secured to the end of the compressed air pump on which the nozzle is disposed, a wand having a longitudinally extending portion rotatably mounted on said compressed air pump, the free end of said wand having an opening therein and being oscillatable into and out of said reservoir, spring means normally urging the free end of said wand into said reservoir, a cylinder secured to the outer surface of the compressed air pump, a piston slidably mounted within said cylinder, means connecting said cylinder with the interior of said compressed air pump whereby actuation of said compressed air pump will cause actuation of the piston within said cylinder, the free end of said piston being engageable with the longitudinally extending portion of the wand whereby actuation of said compressed air pump will cause said piston to partially rotate said wand to move the free end thereof into alinement with the nozzle in the end of the compressed air pump so that air emitted from said nozzle will cause bubbles to be formed from the solution deposited on the free end of said wand.

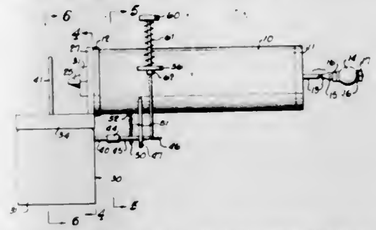
2,587,536

BUBBLE BLOWING DEVICE

Joseph C. Scott, Charlotte, N. C.

Application October 13, 1948, Serial No. 54,236
1 Claim. (Cl. 46—8)

Apparatus for forming bubbles from a film forming liquid comprising a cylinder, a piston mounted for longitudinal sliding movement in the cylinder, a piston rod connected to the cylinder and extending through one end of the same, a handle on the free end of the piston rod which is adapted to be grasped by an operator for moving the piston relative to the cylinder, a nozzle in the end of the cylinder opposite from the end through which the piston rod projects, a reservoir having an upwardly extending portion integral therewith, said upwardly extending portion being penetrated by the nozzle for securing the reservoir to the cylinder, a wand disposed in the reservoir and having a longitudinally extending portion integral therewith, said longitudinally extending portion being rotatably mounted in the wall of the reservoir adjacent the cylinder, said wand having an opening therein, spring means disposed between the cylinder and the longitudinally extending portion of the wand for urging the wand into a position adja-



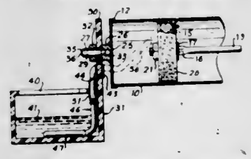
cent the discharge end of the nozzle and exteriorly of the reservoir, said longitudinally extending portion having a flattened off-set portion integral therewith, a plunger engaging the off-set portion of the longitudinally extending portion of the wand whereby upon application of pressure to the plunger in one direction, the free end of the wand will be moved into the film forming liquid and upon release of the plunger the free end of the wand will be moved into alignment with the discharge end of the nozzle by the spring means and whereby upon manually moving the piston in a direction towards the nozzle in the cylinder a stream of air will pass through the same to thus cause the stream of air to pass through the opening in the wand to dislodge the film therefrom and to form a plurality of bubbles.

2,587,537

BUBBLE BLOWING APPARATUS

Joseph C. Scott, Charlotte, N. C.

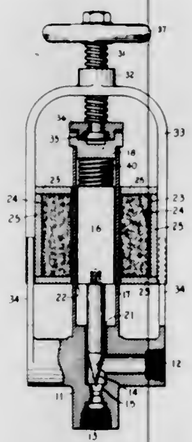
Application October 21, 1948, Serial No. 55,780
3 Claims. (Cl. 46—8)



1. Apparatus for forming bubbles comprising an air pump having a nozzle extending from one end thereof, a bubble solution reservoir supported by said nozzle and having its upper side open, an oscillatable member mounted on the reservoir and having a looped portion extending from one end thereof and having a lever extending from the other end thereof, spring means mounted on the oscillatable member and engaging the reservoir for normally moving the looped portion out of the reservoir with a bubble forming film thereon into the path of air issuing from the nozzle and the lever portion of said oscillatable member being engageable by the hand of an operator holding the air pump for moving

the looped portion into the bubble forming solution in the reservoir, said nozzle having a restricted outer end and a ball check member slidably mounted in said nozzle and prevented from being expelled by the blast of air passing therethrough by the end of the nozzle being restricted, the end of the nozzle having slits therein to allow egress of a controlled amount of air.

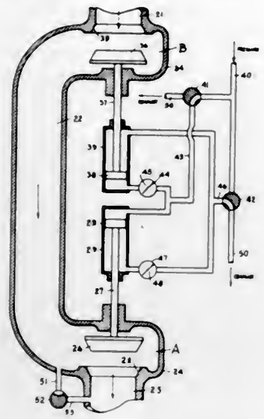
2,587,538
SOLENOID VALVE
Henry Seaman, Canton, N. C.
Application February 13, 1946, Serial No. 647,377
2 Claims. (Cl. 137—139)



1. A valve structure comprising: a housing having a fluid passage therethrough; a movable valve element adapted, by movement in one direction, to progressively reduce and finally close said passage, and, by movement in the opposite direction, to open said passage progressively wider until it is fully open, said element being completely enclosed within said housing; and means whereby said movable element can be operated from outside the housing, to open and close the valve to any desired degree, said means comprising a movable magnetic element completely enclosed within the housing and operatively connected with said movable valve element, a solenoid outside the housing and surrounding said movable magnetic element, a yoke attached to said solenoid, screw means operable to move said yoke relative to said housing and thereby to so position said solenoid that its magnetic force will hold said movable valve element in position to give any desired degree of valve opening from fully open to tightly closed.

2,587,539
HYDRAULICALLY BALANCED VALVE SYSTEM
Henry Seaman, Canton, N. C.
Application September 7, 1946, Serial No. 695,359
10 Claims. (Cl. 137—144)

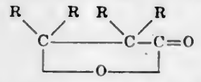
4. A balanced valve structure comprising, a primary valve and an auxiliary valve, connected in series, each comprising a stationary seat and a movable disc so arranged that to close both valves the discs are moved in opposite directions, relative to the direction of fluid flow therethrough, the primary valve disc moving in the direction of said fluid flow and the auxiliary valve disc moving counter thereto; means for moving both discs to open or close both valves;



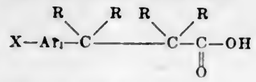
unidirectional retarding means separately associated with each of said valve discs, each operative to retard the motion of the associated disc only in the direction of flow through the valve.

2,587,540
METHOD FOR THE PREPARATION OF ALPHA-BETA UNSATURATED KETONES AND ARALKYL CARBOXYLIC ACIDS
Forrest W. Shaver, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 22, 1950, Serial No. 151,300
8 Claims. (Cl. 260—515)

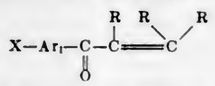
1. The method which comprises first admixing a Friedel-Crafts catalyst and a compound of the structure Ar—X wherein Ar is an aryl radical and X is a member of the class consisting of hydrogen, halogen and alkoxy radicals, maintaining the resulting mixture at a temperature below about 10° C., adding to said mixture a saturated aliphatic beta-lactone of the structure



wherein each R is a member of the class consisting of hydrogen and lower alkyl radicals, in an amount such that there are present from 1 to 5 moles of catalyst for each mole of said beta-lactone, heating the resulting mixture to reflux temperature, adding to said mixture a strong acid, thereby to produce a reaction mixture containing a compound of the structure

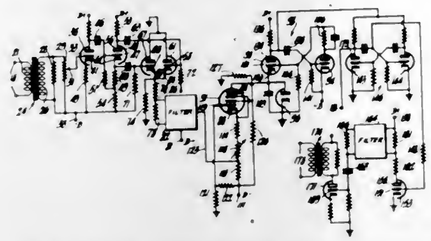


and a compound of the structure



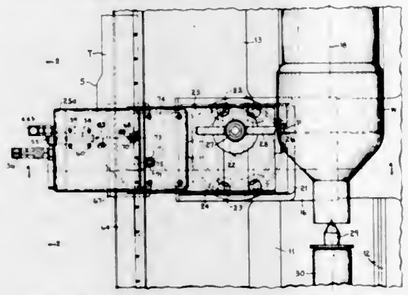
wherein Ar_1 is an arylene radical and R and X have the same significance as above, and recovering said compounds from the reaction mixture.

2,587,541
PULSE TYPE MODULATOR FOR FACSIMILE SIGNALS
Eugene R. Shenk, Brooklyn, and Anthony Liguori, New York, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application November 29, 1947, Serial No. 788,790
2 Claims. (Cl. 178—7.1)



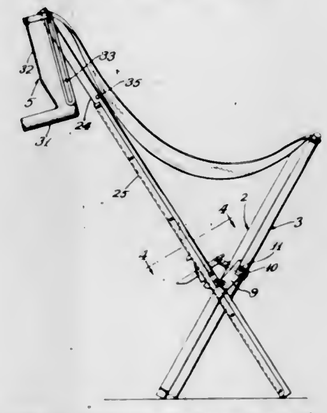
1. A facsimile transmission system comprising means to amplify a facsimile signal in the form of a carrier wave amplitude modulated by image signals representing the scanning of a subject copy, means to demodulate the signal to recover the image signal, a filter for said demodulated image signal, said demodulated signal having a less positive value representing black of the copy and a more positive value representing white of the copy, a wide band frequency modulator, input means for said frequency modulator from said filter comprising an amplifier tube, and a black control for said system comprising a variable resistor in the cathode circuit of said amplifier tube whereby to provide maximum modulation frequency for black.

2,587,542
DUPLICATOR ATTACHMENT FOR LATHES
Harold J. Siekmann and George J. Kasselmann, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application September 10, 1947, Serial No. 773,188
3 Claims. (Cl. 82—14)



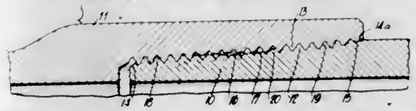
3. In a duplicator for a lathe having a bed, a carriage, a cross slide, a swivel slide, a tool slide horizontally reciprocably mounted on said swivel slide, a tool mounted on said tool slide, a tracer finger on said tool slide, a tracer tip on said finger, a template bar guide member, means for pivotally mounting said guide member for horizontal swinging movement about a vertical axis on the swivel slide to a plurality of adjusted positions, means for locking said guide member in any of its adjusted positions, guide ways for said tool slide so positioned to guide said tracer tip in a plane defined by said tip and the axis of said pivotal mounting for said guide member, a template bar slidably supported on said template bar guide member, a template carried on said template bar operatively engaging said tracer tip to actuate said tracer, and means for adjustably connecting said template bar to the bed of said lathe.

2,587,543
PORTABLE FOLDABLE CHAIR
Walter H. Smith, Eureka, Ill.
Application March 31, 1950, Serial No. 153,143
8 Claims. (Cl. 155—136)



1. A folding chair comprising a pair of legs each having upper and lower ends, a pivot pin securing said legs together intermediate their length, a locking bar pivotally connected to said pivot pin, a third leg having an upper and lower end provided intermediate its length with an elongated slot in which said locking bar is positioned, means upon said locking bar for engaging said third leg to secure said legs together in pivotal fashion intermediate their length to form a tripod when the legs are disposed angularly to each other about the respective pivots, stop means upon said third leg for engaging each of said other legs, stop means upon one of said pair of legs for engaging the other leg of said pair, and a flexible fabric seat suspended from the spaced upper ends of said legs.

2,587,544
THREADED JOINT CAPABLE OF BEING QUICKLY MADE AND BROKEN
John Sneddon, McKeesport, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application June 1, 1948, Serial No. 30,252
6 Claims. (Cl. 285—146)



1. A pipe length including a mating portion at the end thereof having a generally frusto-conical surface with a continuous helical thread extending therearound progressing from one end of said portion to the other, the roots of the thread lying in a frusto-conical surface coaxial with and having the same taper as said first mentioned surface, and a plurality of adjacent turns of said thread less than the total number thereof being at least partially removed, thereby increasing the possible free stab in telescoping a male member into a female member.

2,587,545

RUST-PREVENTING LUBRICANT

Lorne W. Sproule and Laurence F. King, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 14, 1949, Serial No. 87,554
7 Claims. (Cl. 252—56)

1. A mineral lubricating oil containing dissolved therein 0.2 to 3.0% of a sorbitan monoester of an aliphatic monobasic carboxylic acid having 16 to 18 carbon atoms per molecule and 0.2 to 3.0% of a glycol half-ester formed by esterifying one molecular proportion of a glycol containing 3 to 5 carbon atoms per molecule with one molecular proportion of an essentially fatty acid material in which the predominating acids are fatty acids containing from 10 to 16 carbon atoms per molecule.

2,587,546

RUST INHIBITING COMPOSITION

Alfred H. Matuszak, Jersey City, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 30, 1948, Serial No. 57,620
4 Claims. (Cl. 252—34)

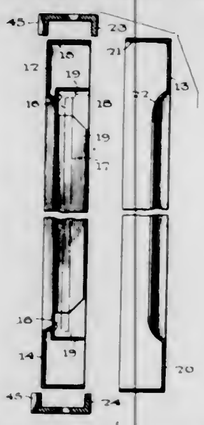
4. A rust inhibiting composition consisting essentially of a mineral lubricating oil and about 0.5 to 1% of a hydroxy-aliphatic amine salt selected from the group which consists of the oleic acid salts of mono-, di-, and tri-methylol amino methanes.

2,587,547

WINDOW CONSTRUCTION

George Steingruber, Atlanta, Ga.

Application September 23, 1946, Serial No. 698,751
3 Claims. (Cl. 189—76)



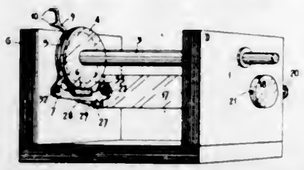
1. A metal window sash construction comprising a pair of one-piece complementary sheet metal stampings of rectangular outline, said stampings each having an outer marginal flange extended completely about the extreme outer marginal edges thereof and at a right angle thereto, with the flange of one stamping overlapping the flange of the other stamping, a pair of channel members in which said overlapping flanges are seated, said channel members extending the full length of said sash on the respective opposite sides thereof, means for securing said overlapping flanges in said channel members, and a transparent pane mounted in the sash and clamped between the complementary stampings.

2,587,548

MECHANISM FOR THE INTERMITTENT DRIVING OF CINEMATOGRAPHIC FILMS

Jean Thévenaz, Yverdon, Switzerland, assignor to Paillard S. A., Sainte Croix, Switzerland, a corporation of Switzerland

Application March 14, 1950, Serial No. 149,503
In Switzerland March 23, 1949
5 Claims. (Cl. 88—18.4)



1. Mechanism for driving intermittently a film having perforations therein and comprising a frame, an arm having adjacent one end claw means for insertion in the film perforations, a lever pivoted to the other end of the arm and fulcrumed on the frame and including a shoe, a rotatable shaft journaled in the frame, a control cam rigid with the shaft engaged by the arm and of a thickness along the shaft axis at least equal to the corresponding thickness of the claw arm, a pair of other cams duplicates of one another one on either side of the control cam and secured to the shaft in the same angular relation and having in every radial plane effective radii longer than the corresponding effective radius of the firm cam and guiding the claw arm.

2,587,549

POLYSTYRENES STABILIZED WITH ORGANO AMIDOPHOSPHATES

Quirino A. Trementozzi, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 19, 1949, Serial No. 77,449
6 Claims. (Cl. 260—45.9)

1. A polymer having improved stabilization to molecular weight degradation which comprises a styrene polymer and from 0.1 to five percent by weight of a compound having the structural formula:

$$[R{-}O]_m{-}\overset{O}{\overset{\|}{P}}{-}\left[N\begin{matrix}R''\\R'\end{matrix}\right]_n$$

wherein m is a small whole number from zero to two, inclusive, n is a small whole number from one to three, inclusive, wherein the sum of n and m is always equal to three, and in which R, R′ and R″ are alkyl groups having from one to two carbon atoms.

2,587,550

COMBINATION POCKET TOILET ARTICLE

Carl E. Ulrich, Modesto, Calif.

Application April 3, 1950, Serial No. 153,627
1 Claim. (Cl. 132—76.2)

In a combination pocket toilet article, a shank at one end thereof, a tubular handle surrounding the shank, said shank terminating at its outer end short of the corresponding end of the handle so as to form a socket opening to the outer end of the handle, a plug adapted to engage in the socket, and a nail file fixed to the plug and projecting from the inner end thereof; there being a longitudinal slot in the shank into which the nail file extends when the plug is engaged in the



socket; the shank being circular in cross section and the tubular handle having a notch in its inner end and the adjacent end of the shank having a lateral projection normally seating in the notch.

2,587,551

THERMOSTATIC SWITCH

Abram H. Van Riper, Oley, Pa., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware

Continuation of application Serial No. 558,795, October 16, 1944. This application May 20, 1950, Serial No. 163,129
7 Claims. (Cl. 200—138)



1. In a thermal switch, an elongated bimetallic element carrying on one end thereof an elongated counterweight disposed substantially parallel therewith and pivotally mounted at a point spaced from one end for limited free pivotal movement and a fixed contact element disposed in the vicinity of the other end of said bimetallic element and engaged by said pivotally mounted bimetallic element is flexed by heat, said counterweight functioning to maintain a firm contact between the elements.
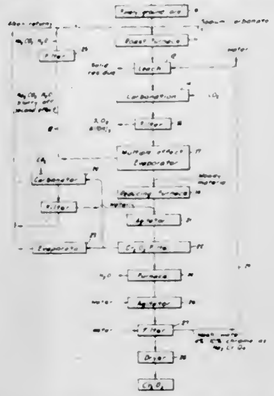
2,587,552

PROCESS FOR OBTAINING CHROMIC OXIDE FROM A CHROMATE ORE

Dmitri N. Vedensky, Berkeley, Calif., assignor to Pacific Bridge Company, a corporation of Delaware

Application May 29, 1951, Serial No. 228,927
5 Claims. (Cl. 23—145)

5. A process for producing chromic oxide from a chrome ore comprising roasting the ore with sodium carbonate, leaching the roasted ore to provide a sodium chromate solution containing sodium carbonate, carbonating the solution to convert soluble sodium silicate and aluminate to insoluble silica and aluminum hydroxide and soluble sodium carbonate, filtering off the silica and aluminum hydroxide, evaporating the filtrate in an evaporator at a temperature below 116° C. while reducing the sodium carbonate content of the final dry sodium carbonate-sodium chromate mixture by removing from the evaporator sodium carbonate monohydrate salting out in the evaporator until substantially only a sodium chromate solution remains, continuing the evaporation of said solution at a temperature above 116° C. to salt out anhydrous sodium chromate, recovering substantially dry crystallized sodium chromate with substantially reduced sodium carbonate content from the evaporator, mixing the dry sodium chromate with about 9% to 30% of a dry, finely



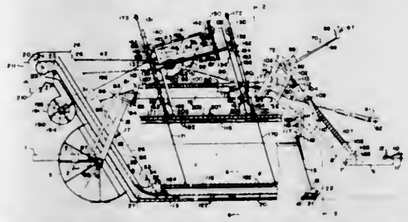
divided woody material selected from the group consisting of sawdust, wood chips and wood flour, heating the mixture under dry reducing conditions to convert the sodium chromate to chromic oxide, washing the oxide with water to remove sodium hydroxide, heating the oxide under oxidizing conditions to remove residual carbon and convert remaining sodium hydroxide present to chromate, and washing and drying the oxide.

2,587,553

BEAN PICKER

Leila B. S. Ward, Vernon, N. Y., assignor to Ward Canning Company, Vernon, N. Y., a partnership

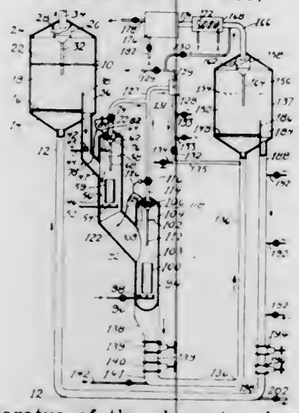
Application February 12, 1948, Serial No. 7,830
6 Claims. (Cl. 56—130)



1. A bean picker adapted to pick whole bean pods direct from bean plants rooted in the ground, comprising in combination a mobile frame adapted to be transported forward along a row of bean plants, a rake mounted on said frame substantially longitudinally thereof for movement with respect to said frame, said rake including longitudinally spaced tines adapted to engage the bean plants from one side thereof in succession as the frame moves forward, means on said frame and operatively connected to said rake for moving said rake relative to said frame in such manner that the tines move in an endless path, said path having a portion adjacent said one side of the plants in which the tines move within and up said bean plants, whereby tines passing under bean pods may sever the pods from the plants at their stems, said rake being

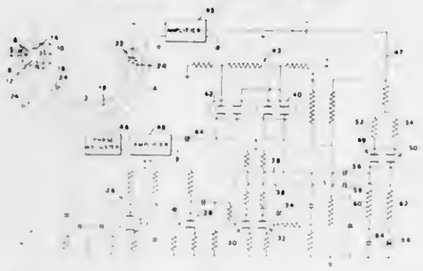
so constructed and arranged that the successive tines make initial engagement with each bean plant progressively along the plant from the top down, whereby the pull tending to uproot the plant is minimized, and means for catching the severed bean pods as they fall toward the ground.

2,587,554
APPARATUS FOR STRIPPING FINELY DIVIDED SOLIDS
John Weikart, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 23, 1945, Serial No. 624,045
1 Claim. (Cl. 23—288)



An apparatus of the character described including a vertical reaction vessel comprising an inlet for the supply of gaseous fluid and solid contact particles to the lower portion of said reaction vessel, an outlet for gaseous reaction products in the top and an outlet for the withdrawal of solid contact particles in the bottom of said reaction vessel, a first stripping vessel arranged below said reaction vessel, an inlet for the introduction of solid contact particles intermediate the ends of said first stripping vessel, a conduit connecting said outlet in the bottom of the reaction vessel with said inlet in the first stripping vessel, an inlet for the supply of gaseous stripping agent in the lower part of said first stripping vessel, an outlet line for the withdrawal of stripping agent and stripped material leaving the top of said first stripping vessel, first pressure responsive means and a throttle valve in said outlet line from said first stripping vessel, second pressure responsive means in the lower portion of said conduit leading to said first stripping vessel, control means connected with said two pressure responsive means and with said throttle valve for maintaining a selected pressure in the top of said first stripping vessel and for maintaining the pressure at said first pressure responsive means at a lower level than at said second pressure responsive means, a second stripping vessel arranged below and laterally of said first stripping vessel, an inlet for the introduction of solid contact particles intermediate the ends of said second stripping vessel, an inclined conduit connecting the bottom of said first stripping vessel with said inlet in the second stripping vessel for conveying solid contact particles to said second stripping vessel, an inlet for the supply of gaseous stripping agent in the lower part of said second stripping vessel, a gas outlet line for the withdrawal of stripping agent and stripped out material in the top of said second stripping vessel, a second throttle valve in said gas outlet line from said second stripping vessel, third pressure responsive means in said gas outlet line from said second stripping vessel, fourth pressure responsive means in the lower portion of said inclined conduit leading to said second stripping vessel, control means connected with said third and fourth pressure responsive means and with said second throttle valve for maintaining a selected pressure in the top of said second stripping vessel and for maintaining the pressure at said third pressure responsive means at a lower level than at said fourth pressure responsive means, and a valve controlled outlet line connected to the bottom of said second stripping vessel for controlling the withdrawal of solid particles from said second stripping vessel.

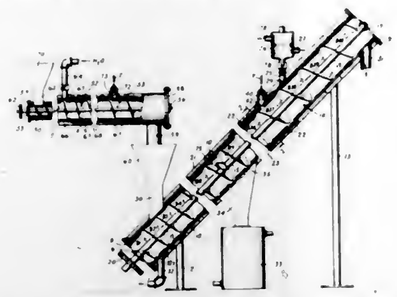
2,587,555
MASS SPECTROMETER
Eric A. Weiss, Springfield Township, Delaware County, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application October 26, 1948, Serial No. 56,571
7 Claims. (Cl. 250—41.9)



1. A mass spectrometer comprising means for producing a deflected ion stream, means for modulating said ion stream to provide alternating signals therefrom, and synchronous rectifying means receiving said signals and synchronous signals from the modulating means to provide an output integrated over a time interval exceeding the period of the modulation and indicative of the intensity of the stream.

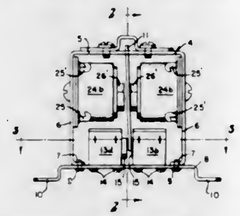
2,587,556
APPARATUS FOR PREPARING CONCENTRATES
Max Weiss and Samuel Natelson, Brooklyn, N. Y.
Application July 11, 1947, Serial No. 760,208
13 Claims. (Cl. 99—289)

1. Apparatus for the continuous extraction from solids of liquid solubles of high concentrations and uniform composition comprising: a stationary cylinder; a rotatable screw conveyor housed within the cylinder; a solids supply pipe connected to the cylinder near the base thereof; a solids discharge pipe connected to the cylinder near the head thereof; a liquid supply pipe connected to the cylinder near the head thereof, said supply pipe being connected with means for supplying the liquid at constant pressure and at constant temperature; a porous section located on the underside of the cylinder and positioned near the bottom thereof, the said porous section being of mesh sufficient to retain the said solids, the said section being swept by the screw conveyor, and said porous section being spaced from the solid supply pipe forwardly thereof whereby the solids are maintained in a dry zone anteriorly of said porous section; a liquid discharge pipe connected with the porous section; and means for



maintaining the cylinder at a constant temperature.

2,587,557
RELAY
Thomas R. Welch, Los Angeles, Calif.
Application February 16, 1946, Serial No. 648,128
9 Claims. (Cl. 200—98)



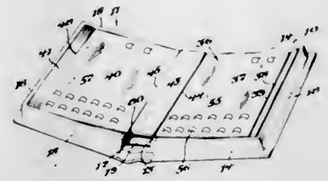
1. In an electric relay, the combination of: a pivoted armature; a switch adjacent each side of said armature, said switches each including a movable member actuated by movements of said armature, said switches also including yielding means for simultaneously subjecting each side of the armature to a yielding force of substantially equal value at all positions throughout the range of movement of said armature; and means for actuating said armature for effecting actuation of the switches.

2,587,558
PREPARATION OF NOVEL 2-CARBOALKOXY-1,3-BUTADIENES AND POLYMERS THEREOF
Jerome C. Westfahl, Trumansburg, N. Y., and Daniel S. Sears, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 25, 1948, Serial No. 35,285
9 Claims. (Cl. 260—89.3)

5. A substantially linear polymer of a 2-carboalkoxy-1,3-butadiene, said polymer being prepared by adding a Friedel-Crafts catalyst to the monomer while cooling the monomer to a temperature below 0° C., and then discontinuing the cooling, whereupon said polymer forms as an insoluble powder.

2,587,559
BOX FOR FLATWARE
Franklin C. Wetherbee, Middle Haddam, Conn.
Application August 5, 1948, Serial No. 42,561
4 Claims. (Cl. 206—45.13)

1. A box for flatware comprising two members hinged together to move toward each other into closed position, at least one of said members having flanges to extend toward the other member when in closed position and provide a body having some containing depth, a first flange parallel to the hinge connection at the edge of the member opposite the hinge with other flanges at right angles thereto, a lining secured to the first flange at its free edge and loosely covering the flanged member between and free of said other flanges and extending across the hinge when the members are open and secured to the other member



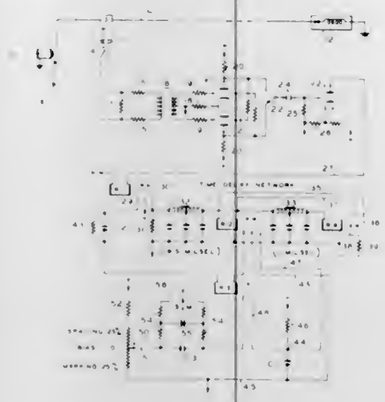
at a point spaced from said hinge connection said point being at least as high as the upper edge of the flanges when the other member is in open position and the lining is drawn tight in raised position whereby as the members are closed the secured points are moved closer together and the loose lining will move into the body of the box whereas as the members are swung open the secured points are moved apart and the lining is drawn taut and raised from between the flanges.

2,587,560
SPRING ACTUATED LOCK NUT
René Widmer, Geneva, Switzerland
Application April 19, 1946, Serial No. 663,353
In Switzerland May 25, 1945
3 Claims. (Cl. 151—15)



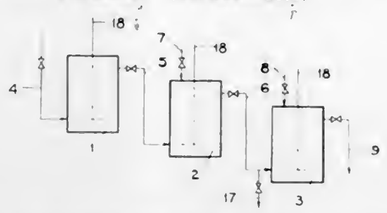
1. A safety self-locking device for engagement with a threaded rod and comprising a pair of nuts, the first nut having an annular recess and including an annular wall between the recess and threaded bore and projecting beyond the remaining surface confronting the other nut, a coil spring in the recess and including several turns and anchored at its ends in the nuts and urging them together, an anti-friction bearing on the other nut and including a ring non-rotatably engaged by the outer end of the wall and keeping the remaining confronting surfaces of the nuts apart.

2,587,561
TELEGRAPH SIGNAL BIAS METER
Harold F. Wilder, Wyckoff, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application October 12, 1950, Serial No. 189,707
14 Claims. (Cl. 178—69)



14. In a telegraph bias meter for indicating the amount of marking or spacing bias present in permutation code signals received over a telegraph line, an impedance adapted to be connected with the line for developing voltages in accordance with signal transitions from marking to spacing and vice versa, a trigger tube circuit controlled in accordance with the voltages developed across the impedance due to said signal transitions, a transformer interposed between said impedance and the input of the trigger tube circuit for decoupling the voltage developed across the impedance from the source of power for energizing the bias meter, a time delay network, a relay controlled by the output of said trigger tube circuit and responsive to a signal transition from marking to spacing for impressing upon the input of the time delay network a voltage for propagation therethrough, a comparison circuit comprising a capacitor and series resistor and a source of reference voltage representing an unbiased spacing signal unit interval, means operative when the voltage applied to the input of said network has reached a point in the network representing a time delay equal to a predetermined part of the time of duration of said unbiased spacing signal unit interval for applying to said capacitor and series resistor a charging potential to cause the voltage across the terminals of the capacitor to rise exponentially with time, means responsive to the operation of said relay by a succeeding signal transition from spacing to marking for measuring at that instant the magnitude and polarity of the difference voltage between said reference voltage and the voltage then appearing across said capacitor, and a frequency discriminating circuit including said first impedance and the primary winding of said transformer to reduce the overall transfer admittance for low frequency components of the signal and cause the voltage induced in the secondary winding of the transformer to decline substantially to zero in approximately unit interval signal time to insure that the timing of said relay is unaffected by any preceding marking or spacing impulse received over said telegraph line.

2,587,562
CONTINUOUS EMULSION POLYMERIZATION PROCESS FOR VINYL ACETATE
Wilfred K. Wilson, Springfield, Mass., assignor to Shawinigan Resins Corporation, Springfield, Mass., a corporation of Massachusetts
Application November 22, 1948, Serial No. 61,317
3 Claims. (Cl. 260—89.1)



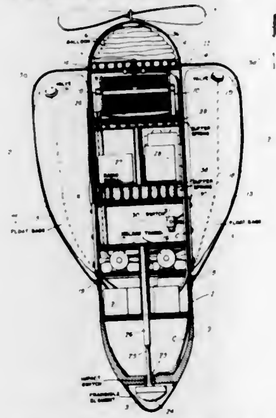
1. A continuous aqueous emulsion polymerization process which comprises polymerizing monomeric vinyl acetate in water in the weight ratio of vinyl acetate to water of between 60:40 and 40:60, by continuously adding to a polymerization zone, (1) unemulsified vinyl acetate and (2) a dispersion of polyvinyl acetate in an aqueous solution of a dispersing agent, the monomer and polymer being added in the ratio of 50–99 parts of monomer for every 50–1 parts of polymer, polymerizing the vinyl acetate in the polymerization zone and continuously withdrawing the emulsion product.

2,587,563
CURTAIN ROD CONTROL
Eda Williams and Lawrence Griser, New York, N. Y.
Application August 20, 1949, Serial No. 111,422
1 Claim. (Cl. 248—265)



Supporting and control means for curtain rods, comprising a pair of upper brackets, means for mounting each of said brackets along the upper frame of a window and in horizontally spaced relation with respect to each other, a second pair of brackets, means for mounting each of said second pair of brackets beneath and in veritcal alignment with a respective one of said pair of upper brackets, each of said brackets having a vertical aperture extending therethrough, the apertures of the respective aligned brackets being in vertical alignment, a pair of tubular casings, each of said casings extending between two of said vertically aligned brackets, each of the opposite ends of said tubular casings being provided with a reduced portion and a shoulder portion, each of said reduced portions extending within a respective vertical aperture of one of said brackets and each of said shoulder portions abutting against a respective bracket, whereby said brackets will serve to support said pair of tubular casings in a vertical position and whereby said casings may be quickly and easily assembled in mounted relation with respect to said brackets, each of said casings having a vertical slot extending substantially throughout its length, a pair of rods, each rod being slidably mounted within one of said casings, each of the upper ends of said rods being provided with a projection fixed thereto and extending outwardly through the casing slot, means on the outer ends of said projections for supporting a curtain rod, a handle at the lower end of each of said rods for manual manipulation of the latter upwardly or downwardly within the casings, means pivotably mounting each of said handles to its respective rod for pivotal movement about a horizontal axis, and spring-biased ball detent means coacting with said rods and said casing for frictionally holding the rods in any desired one of a plurality of selectable positions.

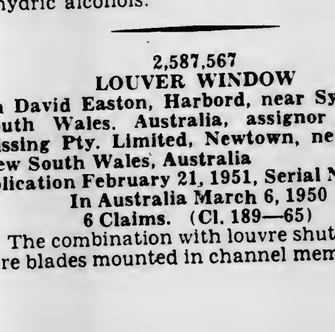
2,587,564
AUTOMATIC DISTRESS SIGNALING DEVICE
Paul Williams, Burien, Wash.
Application June 7, 1947, Serial No. 753,194
7 Claims. (Cl. 177—329)



4. In a distress signal buoy, the combination which comprises an elongated tubular casing having spaced transversely disposed dividing partitions therein providing a plurality of compartments in said casing, a fragile nose carried by the lower end of the casing, a plunger slidably mounted in the casing and having an impact head positioned in the said nose, a cap removably mounted on the upper end of the casing, a deflated balloon positioned in the cap, a balloon cable drum positioned in the upper part of the casing, a cable on said drum connected to the balloon, inflating means for inflating the balloon positioned in the casing, gas producing means positioned in an intermediate compartment of the casing, said means comprising means actuating the gas producing means by the impact head of the plunger.

2,587,565
SUCTION CLEANER
Edward H. Yonkers, Jr., Glencoe, Ill.
Application March 20, 1948, Serial No. 16,111
5 Claims. (Cl. 183—37)

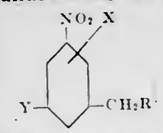
1. A suction filter comprising an open topped pan having an air inlet at the side and an assembly resting upon the top thereof and forming a cover therefor, said assembly including a motor-blower unit and conical backing member adapted to pass air readily therethrough, said blower unit having an air inlet at the bottom and an air outlet at the top thereof with the air being adapted to pass through the motor for cooling the same, means at the center of the pan bottom for locating the tip of a paper cone filter, said cone filter being adapted to lie against the



outside of said backing member and to have the large end thereof rest at the pan rim, a normally open electric switch for controlling said motor, said switch being disposed on said backing member and mechanical means cooperating with a paper filter for maintaining said switch closed to permit motor operation, said switch being adapted to be open when no paper filter is present to prevent dirt coming into said pan and passing through said backing member and into said motor.

2,587,566
NITROBENZYL ETHERS
Saul R. Buc and David I. Randall, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 22, 1949, Serial No. 128,918
7 Claims. (Cl. 260—611)

1. The compounds having the general formula:

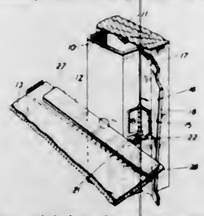


wherein R is the ether residue formed from compounds selected from the group consisting of alcohol and alcohol ethers of polyhydric alcohols, X is selected from the group consisting of hydrogen and methyl, and Y is selected from the group consisting of hydrogen, chlorine and the methyl ethers of alcohols and alcohol ethers of polyhydric alcohols.

2,587,567
LOUVER WINDOW
John David Easton, Harbord, near Sydney, New South Wales, Australia, assignor to F. W. Gissing Pty. Limited, Newtown, near Sydney, New South Wales, Australia
Application February 21, 1951, Serial No. 211,988
In Australia March 6, 1950
6 Claims. (Cl. 189—65)
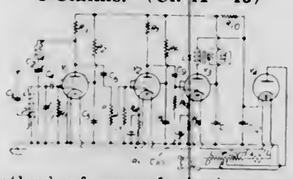
1. The combination with louvre shutters having louvre blades mounted in channel members rotat-

ably mounted upon a jamb, of an improved weather proofing attachment therefor, in which said weather proofing attachment extends across the space between the jamb and the respective channel members, and comprises pivotal means for longitudinally pivoting the said attachment



with respect to said jamb, said attachment being adapted to be turned upon its pivots by engagement between the respective said channel members and the said attachment in the act of opening the shutter, said attachment being returned to its normal position by resilient means.

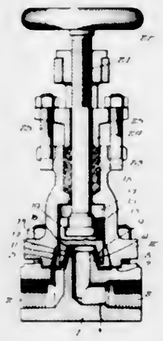
2,587,568
MANUFACTURE OF ELECTRIC CIRCUIT COMPONENTS
Paul Eisler, London, England, assignor to Hermoplast Limited, London, England, a corporation of Great Britain
Original application February 3, 1944, Serial No. 520,991. Divided and this application February 27, 1948, Serial No. 11,798. In Great Britain February 2, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 2, 1963
8 Claims. (Cl. 41—43)



1. A method of manufacturing a component of an electric circuit involving a conductive pattern of such weak mechanical structure that it is incapable of self-maintaining its configuration, said component including at least one conductor linking at least two terminals of said electric circuit of different operating potentials and including metallic joints for at least one other electric device not contained within said component, which comprises providing a sheet of metal foil with an impervious insulating backing, printing a representation on the surface of the metal foil of the conductive pattern of the component, including junction points which register with said metallic joints, in a medium adherent to said foil and protecting it from chemical attack on the areas of said pattern, subjecting the metal foil to a chemical action utilizing the differentiation resulting from the imprint to produce a differentiation of conductive and non-conductive parts of the metal foil, and making electric connections at said junctions.

2,587,569
VALVE BODY WITH PROJECTING SEAT
Charles A. Glauque, Berwyn, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 30, 1945, Serial No. 631,879
1 Claim. (Cl. 251—156)

In a valve construction, the combination including a body with an inlet and outlet and a valve seat in the said body, a closure member, a bonnet for the said valve body having annularly arranged apertures and a plurality of means for attachment with said body and an abutting annular flange forming a connection on abutting surfaces between the said valve body and bonnet, the bonnet flange having the annularly arranged apertures to receive said plurality of annularly arranged attachment means for engagement with said body, the said bonnet having adjacent the said body connection and abutting surfaces an annular chamber of frusto-conical form, the largest outer diameter thereof being defined by the inside diameter of the abutting surfaces of said annular flange connection with the body, the said valve seat projecting beyond the abutting surfaces of said bonnet connection into the valve bonnet chamber to define substantially the smallest diameter of the said annular bonnet chamber, the said chamber having its lower or base

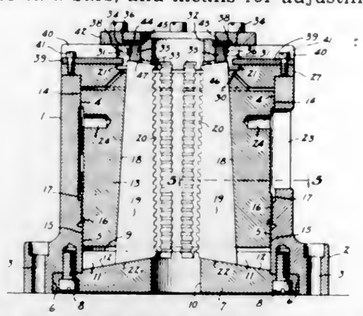


portion defined by an upper annular part of the body adjacent the said seat and the abutting surfaces of the annular connection between the body and bonnet, a relieved part of the bonnet chamber forming a passage between the said seat and the body inlet and outlet, the said closure member being guided within an upper cylindrical portion of the bonnet chamber and being provided with a frusto-conical recess defined by an annular lip to deflect flow past the seat downwardly into the relieved part of the bonnet and into the said passage, the tapered walls of the frusto-conical recess of the closure member when the latter is in open position forming a continuation of the tapered walls defining the lower or base, portion of the bonnet chamber, and in the closed position of the valve, the said tapered walls of the frusto-conical recess of the closure member engaging the said valve seat whereby to align and center the said bonnet attachment means with the said body.

2,587,570
ADJUSTABLE BROACH HOLDER
Norman H. Iversen, Birmingham, Mich., assignor to Production Broaching Corporation, Wayne County, Mich., a corporation of Delaware
Application November 21, 1946, Serial No. 711,327
10 Claims. (Cl. 29—95.1)

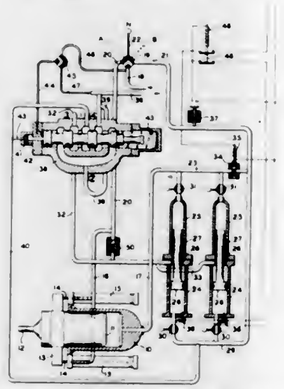
1. An adjustable broach holder comprising a tubular body, a base and a cap attached to opposite ends of said body and each provided with a central opening and positioning slots radiating from its central opening, broach bars having their ends fitting in said cap and base slots, said bars having toothed inner edges and slanting outer edges, an annular follower within said

tubular body and engaging the slanting outer edges of said bars, and means for adjusting said



follower axially of said body to radially adjust said bars.

2,587,571
HYDRAULIC PRESS FLUID SUPPLY WITH PRESSURE INTENSIFIER
Daniel L. Lombard, Hubbard, Ohio, assignor to Lombard Corporation, Youngstown, Ohio, a corporation of Ohio
Application September 13, 1946, Serial No. 696,906
6 Claims. (Cl. 60—54.5)

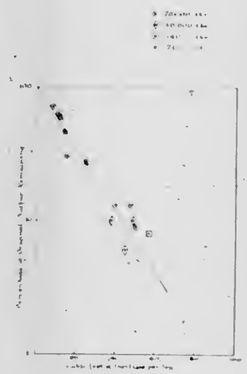


1. In hydraulic fluid supplying apparatus for a press cylinder the combination of a primary source of hydraulic fluid under pressure, a control valve and conduit means interconnecting said source and said press cylinder, a pressure intensifier comprising a first cylinder having a piston therein and a second cylinder communicating with said press cylinder and having a ram therein coupled with said piston, means to simultaneously connect both ends of said first cylinder with said source, means to close said valve upon the fluid in said conduit means attaining a predetermined pressure, and means to thereafter relieve the fluid pressure on the ram side of said piston.

2,587,572
PROCESS FOR PRODUCTION OF AMINO HYDROXY COMPOUNDS BY HYDROGENATION OF NITRO HYDROXY COMPOUNDS
Philip F. Tryon, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application April 27, 1949, Serial No. 90,046
4 Claims. (Cl. 260—584)

1. A modified batch process of hydrogenating nitro hydroxy paraffin compounds, which have their nitro and hydroxy groups on adjacent carbon atoms, to the corresponding amino hydroxy compounds, which comprises introducing a batch of inert solvent for the nitro hydroxy compound and a hydrogenation catalyst into a closed reaction zone, heating the zone to a temperature of from about 40° to 100° C. and passing hydrogen into the zone until the pressure is within the range of from about 200 to 2000 pounds per square inch, then introducing the nitro hydroxy compound to be hydrogenated into said zone and maintaining the concentration of said nitro hydroxy compound in said zone substantially at zero by feeding it so slowly that hydrogenation is completed substantially instantaneously as it enters the reaction zone, while maintaining said conditions of temperature and hydrogen pressure, and recovering the resulting amino hydroxy compound from the resulting batch.

2,587,573
DESULFURIZING PROCESS
Dominic J. Wynne, Baltimore, Md., assignor to Essex Research Corporation, Wilmington, Del., a corporation of Delaware
Application June 9, 1949, Serial No. 97,959
3 Claims. (Cl. 75—51)



1. The process of desulphurizing pig iron, which comprises maintaining a bath of molten pig iron in a desulphurizing vessel in contact with a calcium desulphurizing agent capable of reacting with sulphur in the molten pig to form calcium sulphide, enclosing the molten pig iron and desulphurizing agent to exclude oxidizing gases including the atmosphere and maintain strong reducing conditions around the molten pig iron and the desulphurizing agent, blowing through at least a two foot depth of molten pig iron an inert gas which is free from carbon monoxide in excess of 33 percent by volume, not combustible in the air and is free from substantial quantities of compounds which, under the conditions, are more oxidizing than carbon monoxide while maintaining a pressure of at least atmospheric in the vessel, leading the inert gas after it has passed through the vessel out of the enclosed space and continuing the blowing with the inert gas beyond the point at which the effluent gas is combustible in the atmosphere.

2,587,574

PENICILLIN SALT OF (1,1-DIMETHYL-2-HYDROXYPROPYL)AMINE

Vernon V. Young, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application February 21, 1950, Serial No. 145,588

1 Claim. (Cl. 260—239.1)

The penicillin salt of (1,1-dimethyl-2-hydroxypropyl)amine.

2,587,575

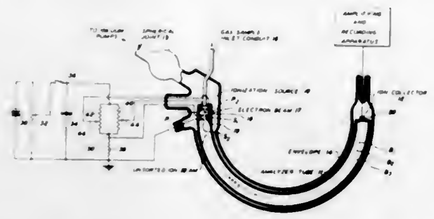
MASS SPECTROMETRY

Harold W. Washburn, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California

Continuation of application Serial No. 513,528, December 9, 1943. This application March 24, 1951, Serial No. 217,355

7 Claims. (Cl. 250—41.9)

1. In a mass spectrometer having an ionization chamber provided with a first electrode having an ion outlet aperture, and means for impressing a potential across at least a portion of the chamber to the aperture for propelling ions from the chamber through the aperture, the combination which comprises a plurality of electrodes mounted in the chamber opposite the aperture, means for

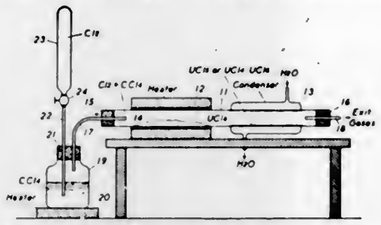


impressing different potentials between the respective electrodes of the plurality and the first electrode, means for introducing molecules into the space between the first electrode and the plurality of electrodes, and means for directing an electron beam into said space.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

506,336. **PROCESS OF PRODUCING URANIUM PENTACHLORIDE.** Horace R. McCombie, Pittsburg, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Filed Oct. 15, 1943. Published Feb. 26, 1952. Class 23—14.5. 1 sheet of drawings. 16 pages of specification.



This application discloses a method of producing uranium pentachloride through the reaction of chlorine with certain halides of uranium.

A lower valent uranium halide in which the halogen radical has an atomic weight at least as great as that of chlorine (UCl_3, UCl_4, UBr_3, UBr_4, UI_3, or UI_4) is heated in a reaction chamber to a temperature preferably in the range of 520° to 550° C. and is contacted with a stream of chlorine saturated with carbon tetrachloride vapor at about 65° C., thereby producing uranium pentachloride vapor in admixture with other gaseous reaction products. The uranium pentachloride is obtained from the gaseous reaction mixture by condensation induced by cooling the mixture.

In the event that the uranium halide contains certain impurities such as uranium dioxide, uranium trioxide, uranium tritaoctaoxide, uranous oxyhalide (UOX_2) or uranyl halide (UO_2X_2) (where X may be Cl, Br or I), the carbon tetrachloride of the mixture of carbon tetrachloride vapor in chlorine reacts therewith to produce uranium tetrachloride which then reacts with the chlorine in said mixture to produce the uranium pentachloride. When uranium trichloride or other lower valent halides are employed as a starting material instead of uranium tetrachloride, these materials are first converted to the tetrachloride and then to the pentachloride by reaction with the chlorine in the gaseous mixture.

With reaction temperatures much below the 520° C. lower limit of the preferred range the yield of uranium pentachloride from the charge is extremely poor and the reaction is very slow. When reaction temperatures much above the 550° C. upper limit of the preferred range are employed the product becomes highly contaminated as large amounts of UCl_4 are also sublimed and condensed with the product.

Example

The apparatus used for conducting the reaction comprised a tube heated in one end region providing a reaction chamber zone and cooled in the other end region to provide a condensation zone. Chlorine from a cylinder source was bubbled through carbon tetrachloride contained in a flask heated to about 65° C. and was then introduced into the heated end region of said tube to react with charge material placed therein. Thenceforth, the vaporous and gaseous reaction product mixture passed through the condensation zone wherein the product uranium pentachloride condensed.

When a 500 gram charge of UCl_4 of a purity of 94.5% was reacted in such apparatus at a temperature of 545° C., it was found that the charge was substantially completely converted into UCl_5 in seven hours. 375 grams of product was recovered from the condensation zone with the remainder of the product having escaped with the exit gases. The product analyzed 30.3% U^{4+} ions, 27.9% U^{6+} ions and 42.5% chlorine indicating a purity of about 90%.

25,076. **ELECTRODEPOSITION OF A HEAVY METAL-CONTAINING MATERIAL.** Glenn T. Seaborg, Berkeley, and John W. Gofman, San Francisco, Calif., assignor to the United States Government. Filed May 4, 1948. Published Feb. 26, 1952. Class 204—45. No drawing. 12 pages of specification.

This description relates to a process for the electrodeposition of a material containing neptunium from aqueous solutions.

Neptunium-containing material can be electrodeposited from an aqueous solution of a neptunium salt, when the aqueous solution has a pH between 2 and 7 and contains a neptunium salt and an alkali acetate. Suitable neptunium salts include the nitrates, chlorides, and sulfates. It is preferred that the neptunium salt in the aqueous solution have neptunium in a valence state greater than +4, i. e., neptunium be present either as monovalent neptunyl (NpO_2^+) or as divalent neptunyl (NpO_2^{++}) ions. The nitrates of these neptunyl ions, namely, neptunium dioxynitrate and neptunium dioxydinitrate are preferred. Examples of the alkali acetate buffer are sodium, potassium, and ammonium acetates. The amount of alkali acetate used is sufficient to maintain the pH of the aqueous solution preferably between 5 and 7. Two to 20 volts is preferred. Current densities between 0.001 and 0.6 ampere per square decimeter have been found to be entirely satisfactory. The temperature of the aqueous solution during electrodeposition may be between 30 and 90° C.

Example I

A solution of a small quantity of neptunium, prepared by dissolving neutron-bombarded uranium in nitric acid, in an alkali acetate buffered aqueous medium having a pH of 5 and containing no carrier was subjected to electrolysis for two hours at a current density of 0.16 ampere per square decimeter and a potential of 8 volts, using a mercury cathode. Sixty-three per cent of the neptunium was found in the mercury, 6.5% remained in the aqueous electrolyte, and 31.5% was unaccounted for.

Example II

One-half cc. of a stock solution which was 0.001 M sulfuric acid solution and 15 cc. contained 1 microgram of Np^{239} as $Np(SO_4)_2$ and 0.2 mg. of lanthanum as $La_2(SO_4)_3$, and 1 cc. of acetic acid solution containing 0.02 cc. of glacial acetic acid were mixed with 3.5 cc. of water. The resultant solution was put in an electrolytic cell containing a platinum cathode and 57 volts was applied with a current of 0.010 to 0.012 ampere for four and three-fourths hours. There was a grey deposit on the cathode and the adherence of the deposit was fairly good. The cathode was measured for beta activity due to neptunium and it was found that 8.8% of the original neptunium in the solution had been deposited.

Example III

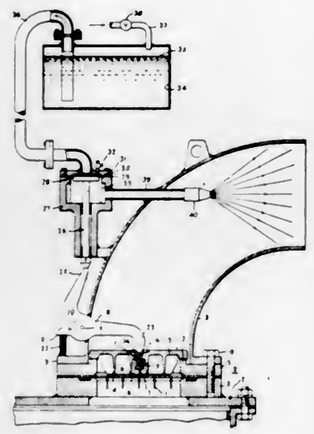
One-half cc. of the same stock solution used in Example II was mixed with 1 cc. of acetic acid solution containing 0.02 cc. of glacial acetic acid and 3.5 cc. of water. Two mg. of potassium bromate was added and the resultant solution was heated to boiling in order to oxidize neptunium to neptunium dioxysulfate (NpO_2SO_4). The aqueous solution was then cooled and placed in the electrolytic cell as used as Example II. It was subjected to 20 volts and a current of 0.06 ampere for two and one-fourth hours. The dark, adherent film on the cathode constituted 85% of the neptunium originally in the aqueous solution. Results of other examples show that too high an acidity will prevent electrodeposition of neptunium.

29,699. **RECEIVING SYSTEM FOR SHORT WAVES.** Julius Weinberger, Great Neck, N. Y., assignor to Radio Corporation of America, a corporation of Delaware. Filed May 28, 1948. Published Feb. 26, 1952. Class 250—20. 1 sheet of drawings. 7 pages of specification.



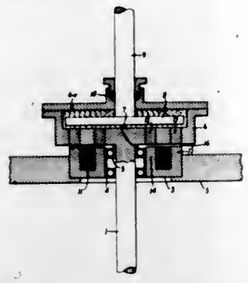
The subject matter disclosed relates to a receiving antenna system for distinguishing between direct and reflected waves, and more particularly to a television receiving antenna system for minimizing multiple or "ghost" images. Three antennas **3**, **6**, and **7** are arranged to receive signals of substantially equal strength over a direct path from a transmitter antenna **2**. Antennas **3**, **6**, and **7** are also capable of receiving signals radiated by the antenna **2** and reflected by the reflector **5**. A transmission line **8** is provided for connecting antennas **6** and **7** in appropriate phase relationship to cancel the direct path signal appearing at the input **9** and **10** of the amplifier **11**. The resultant signal appearing at the input of the amplifier **11** is then the difference between the reflected signal appearing at antenna **6** and the reflected signal appearing at antenna **7**. The amplifier **11** includes a phase shifting network **11***a* for varying the phase of the signal appearing at the output of the amplifier. A voltage divider **12** having movable contacts **14** and **15** is provided to balance the output of amplifier **11** with the reflected signal received by antenna **3**. When a proper phase and amplitude balance is provided the signal appearing at **14** and **15** will exactly cancel or oppose the reflected signal received by antenna **3**. Receiver **4** will then have only the direct path signal appearing at antenna **3** applied to its input.

92,713. **NEUTRALIZER FOR LIQUID-FILLED TRANSFORMER.** Magnus Unger, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York. Filed May 11, 1949. Published Feb. 26, 1952. Class 174—11. 1 sheet of drawings. 9 pages of specification.



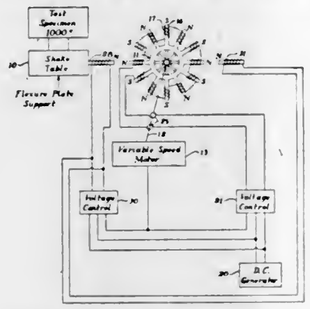
This application discloses an arrangement for neutralizing toxic gases which may be released from a liquid-filled transformer upon the occurrence of an electrical failure within the transformer tank. A neutralizing liquid **35** is contained in a reservoir **34** mounted adjacent the transformer structure. Where the insulating liquid for the transformer is a liquid-halogenated hydrocarbon such as chlorinated benzene or chlorinated diphenyl, the neutralizing liquid in reservoir **34** may be an aqueous solution of sodium hydroxide or sodium carbonate. A source of air pressure is connected to the reservoir through conduit **37** to place the neutralizing liquid under pressure. Frangible diaphragm **29**, supported by piston **26** normally prevents the neutralizing liquid from passing into atomizing chamber **27**. Frangible diaphragm **4** is mounted over an aperture in the transformer tank. Cover member **13** having rib members **14** projecting toward the outer surface of diaphragm **4** is fastened to cross bar member **6** by means of frangible pin **15**. Cross bar **6** is integrally attached to the tank structure. Knife edge **7** is attached to the lower surface of cross bar **6** facing diaphragm **4**, but is normally maintained out of contact with diaphragm **4** by projecting ribs **14**. Upon the occurrence of a predetermined pressure on diaphragm **4**, which is transmitted to the lower ends of ribs **14**, frangible pin **15** is caused to break and cover member **13** rises. Upward movement of the cover permits diaphragm **4** to abut against knife edge **7** to thereby rupture the diaphragm. Upward movement of the cover **13** also rotates trigger member **18** which has one end resting on the cover **13**, and causes piston **26** in atomizing chamber **27** to drop from the position in which it supports frangible diaphragm **29**. Diaphragm **29** is then unable to withstand the pressure of neutralizing liquid **35** and ruptures, permitting a spraying of the neutralizing liquid into the path of the toxic gases being expelled from the transformer tank.

140,983. **MAGNETIC CLUTCH WITH STATIONARY EXCITING WINDING.** Vernon J. Wattenberger, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York. Filed Jan. 28, 1950. Published Feb. 26, 1952. Class 192—21.5. 1 sheet of drawings. 7 pages of specification.



The clutch comprises a rotatable input shaft **1**, carrying a clutch housing **6** of non-magnetic material, but having embedded therein a pair of concentric rings **12** and **13** for providing paths for magnetic flux. Within the housing is a driven disc or plate **8**, carried by the output shaft **9**, and immersed in a magnetic fluid **6***a*, such as a suspension of small particles of ferrous material in light oil. Outside of the clutch housing, and opposite the rings **12** and **13** respectively, are an inner portion **14** and an outer portion **15** of a stationary doughnut shaped coil housing **3** which is U-shaped in cross-section. Coil **11** is held within the housing **3**, which in turn is supported by the base plate **2**. Energization of coil **11** solidifies liquid **6***a* under plate **8** to effectively couple input shaft **1** to output shaft **9** and transmit rotation through the solidified liquid.

167,851. **HIGH FREQUENCY VIBRATION TABLE.** Donald S. Dreesen, Albuquerque, N. Mex., assignor to the United States of America as represented by the United States Atomic Energy Commission. Filed June 13, 1950. Published Feb. 26, 1952. Class 172—284. 2 sheets of drawings. 9 pages of specification.



The present disclosure relates to means for actuating high frequency vibration tables.

The driving means is shown in Fig. 1 wherein numeral **11** designates an electrically driven rotor having a shaft **12** driven by a variable speed driving motor **13**. The rotor **11** has a plurality of radial spokes **16**, as shown, and each of these spokes carries a direct current winding **17**, the windings on adjacent spokes being wound in opposite direction. As a result the tips of alternate spokes constitute north and south poles. The windings are connected in series and are supplied with power from a DC motor generator set **20** the power supply being regulated by a voltage control or regulator **21** and the current being carried to the windings through slip rings **25** on the shaft **12**. Numeral **28** designates a fixed electromagnet attached to the vibration table **10**, its windings being supplied with power from the motor generator set **20** through a voltage control or regulator **30**. The armature of the electromagnet **28** is aligned with the center of rotor **11** and its end is adjacent the tips of the spokes of the rotor **11**; that is, the tips of the spokes rotate in propinquity to the electromagnet **28**. Numeral **31** designates a second fixed electromagnet similarly aligned with the center of rotor **11** and supplied with direct current power in parallel with the winding of electromagnet **28**. From the foregoing it can be observed that as the rotor **11** is rotated the alternate north and south poles passing adjacent the fixed electromagnet **28** alternately attract and repel it and consequently vibrate the table **10** at a frequency which is one-half the product of the number of poles on the rotor and its speed in revolutions per minute or per second. Frequency of vibration is varied simply by varying the speed of the rotor and the amplitude of vibration can be varied either by varying current in the rotor windings and/or the electromagnet **28**, or by varying the distance between the rotor and the electromagnet **28**. The electromagnet **31** is energized equally with the electromagnet **28** and as a result the magnetic loads to which the shaft rotor is subjected are at all times equalized or in other words balanced.

206,829. **CRACK DETECTION METHOD.** Richard S. Arthur, Schenectady, N. Y., assignor to General Electric Co., a corporation of New York. Filed Jan. 19, 1951. Published Feb. 26, 1952. Class 250—83. 1 sheet of drawings. 5 pages of specification.

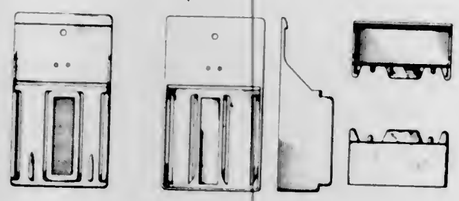


This is a method for detecting small cracks in metallic or similar surfaces, wherein the surface to be examined is first cleaned, then coated with a solution of radioactive material, the solution is allowed to work its way into surface cracks, and the surface is then cleaned of all of the solution excepting that which remains in the cracks. Thereafter the surface is examined for radiation by some means such as a photographic film or a radiation counter or detector, and the presence and position of surface cracks is thus determined.

DESIGNS

FEBRUARY 26, 1952

166,015
COMBINATION COIN AND CIGARETTE HOLDER
Nickolas P. Andrews, Chicago, Ill., assignor to Sinko Mfg. & Tool Co., a corporation of Illinois
Application October 10, 1951, Serial No. 16,897
Term of patent 14 years
(Cl. D52—2)



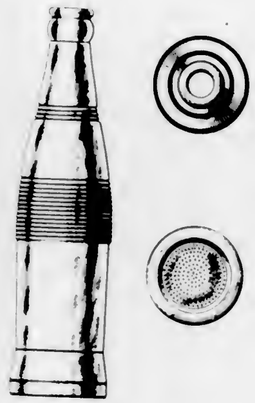
The ornamental design for a combination coin and cigarette holder, as shown.

166,016
TOY FIGURE
John M. Auzin, Whitman, Mass.
Application January 31, 1951, Serial No. 14,045
Term of patent 14 years
(Cl. D34—4)



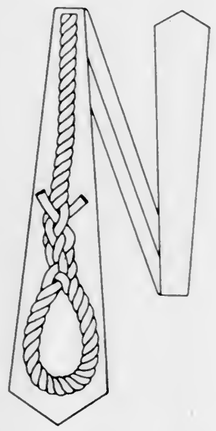
The ornamental design for a toy figure, as shown.

166,017
BOTTLE
Ella M. Barq, Biloxi, Miss., assignor to Barq's Inc., Biloxi, Miss., a corporation of Mississippi
Application April 5, 1950, Serial No. 8,979
Term of patent 14 years
(Cl. D58—8)



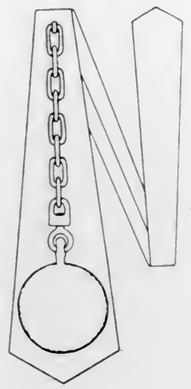
The ornamental design for a bottle, substantially as shown.

166,018
NECKTIE
Harold K. Birkestol, Arlington, Wash.
Application January 11, 1950, Serial No. 7,157
Term of patent 14 years
(Cl. D3—16)



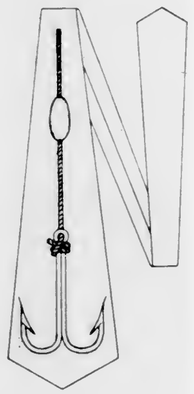
The ornamental design for a necktie, as shown.

166,019
NECKTIE
Harold K. Birkestol, Arlington, Wash.
Application January 11, 1950, Serial No. 7,158
Term of patent 14 years
(Cl. D3—16)



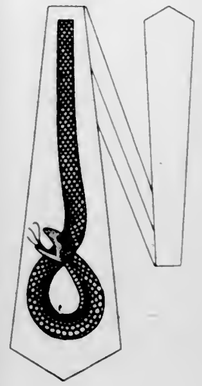
The ornamental design for a necktie, as shown.

166,020
NECKTIE
Harold K. Birkestol, Arlington, Wash.
Application January 11, 1950, Serial No. 7,159
Term of patent 14 years
(Cl. D3—16)



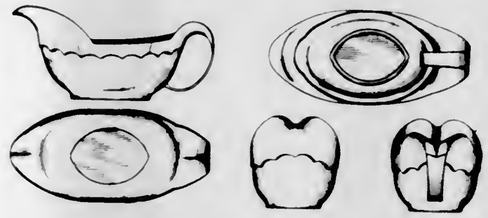
The ornamental design for a necktie, as shown.

166,021
NECKTIE
Harold K. Birkestol, Arlington, Wash.
Application January 11, 1950, Serial No. 7,160
Term of patent 14 years
(Cl. D3—16)



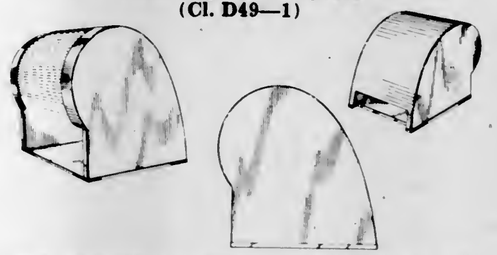
The ornamental design for a necktie, as shown.

166,022
GRAVY BOAT
Charles O. Bliss, Los Angeles, Calif.
Application November 14, 1951, Serial No. 17,412
Term of patent 14 years
(Cl. D44—10)



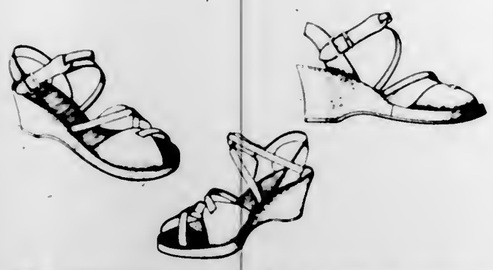
The ornamental design for a gravy boat, as shown.

166,023
TUMBLING MACHINE
Richard E. Bogema, Sturgis, Mich., assignor to The Grav-I-Flo Corporation, Sturgis, Mich., a corporation of Michigan
Application January 25, 1951, Serial No. 13,978
Term of patent 14 years
(Cl. D49—1)



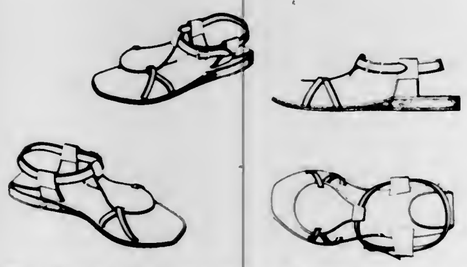
The ornamental design for a tumbling machine, as shown and described.

166,024
SHOE OR SIMILAR ARTICLE
Walter Braun, Los Angeles, Calif., assignor to Cobblers Incorporated, Los Angeles, Calif., a corporation of California
Application November 23, 1951, Serial No. 17,507
Term of patent 7 years
(Cl. D7—7)



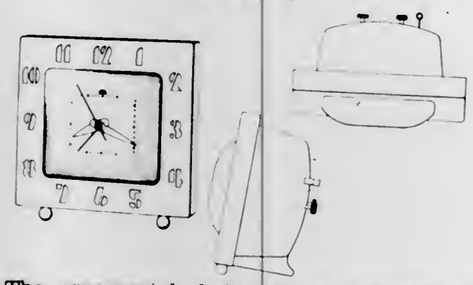
The ornamental design for a shoe or similar article, as shown.

166,025
SANDAL OR SIMILAR ARTICLE
Walter Braun, Los Angeles, Calif., assignor to Cobblers Incorporated, Los Angeles, Calif., a corporation of California
Application November 23, 1951, Serial No. 17,509
Term of patent 7 years
(Cl. D7—7)



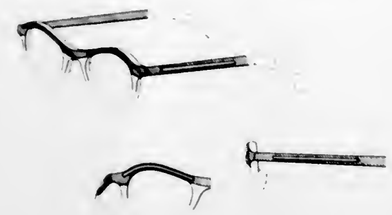
The ornamental design for a sandal or similar article, as shown.

166,026
CLOCKCASE
Leo I. Bruce, Framingham Center, Mass., assignor to General Electric Company, a corporation of New York
Application August 11, 1951, Serial No. 16,240
Term of patent 14 years
(Cl. D42—7)



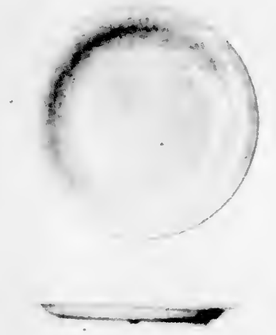
The ornamental design for a clockcase, as shown.

166,027
SPECTACLE FRAME OR THE LIKE
Jerrold W. Curry, Thompson, Conn., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 18, 1949, Serial No. 937
Term of patent 14 years
(Cl. D57—1)



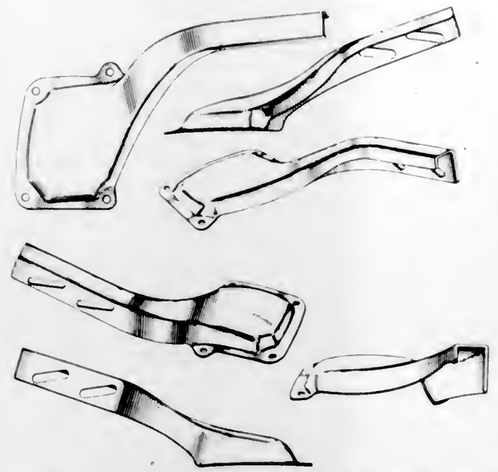
The ornamental design for a spectacle frame or the like, substantially as shown and described.

166,028
PLATE
Urban H. Despres, Clinton, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a national banking association, and William B. Nulty, Portland, Maine, as trustees
Application May 2, 1949, Serial No. 2,382
Term of patent 14 years
(Cl. D44—15)



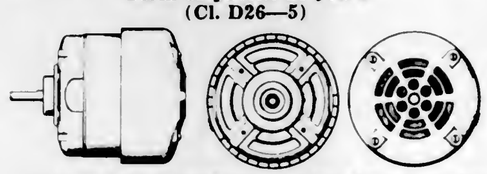
The ornamental design for a plate, substantially as shown.

166,029
ROOF MOUNTING BRACKET FOR AUTOMOBILE VISORS
Richard E. Dieterich, Long Beach, Ind.
Application August 7, 1951, Serial No. 16,193
Term of patent 14 years
(Cl. D14—6)



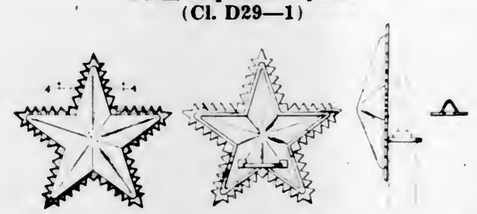
The ornamental design for a roof mounting bracket for automobile visor, substantially as shown.

166,030
ELECTRIC MOTOR
Richard W. Dochterman, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application September 6, 1951, Serial No. 16,539
Term of patent 14 years
(Cl. D26—5)



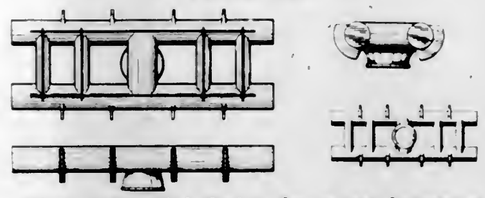
The ornamental design for an electric motor, as shown.

166,031
CHRISTMAS TREE ORNAMENT OR THE LIKE
Mary S. Douglas, Barrington, R. I., assignor to E. R. Bassett Corp., a corporation of Rhode Island
Application October 8, 1948, Serial No. 149,034
Term of patent 7 years
(Cl. D29—1)



The ornamental design for a Christmas tree ornament or the like, substantially as shown and described.

166,032
GAS BURNER
Homer D. Du Fault, Easthampton, Mass., assignor to Heatbath Appliances, Inc., Springfield, Mass., a corporation of Massachusetts
Application July 14, 1951, Serial No. 15,877
Term of patent 14 years
(Cl. D81—10)



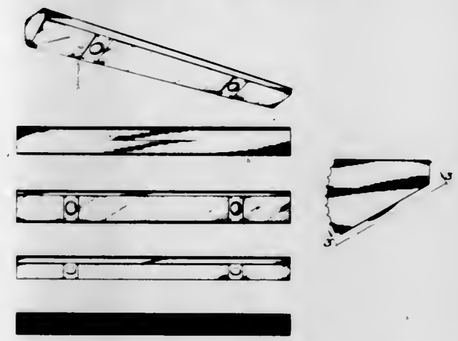
The ornamental design for a gas burner, as shown.

166,033
MUSIC STAND OR SIMILAR ARTICLE
Bernard J. Flood, Elkhart, Ind., and Charles D. Welshenbach, Sandusky, Ohio, assignors to H. & A. Selmer, Inc., Elkhart, Ind., a corporation of Indiana
Application January 3, 1951, Serial No. 13,658
Term of patent 14 years
(Cl. D33—10)



The ornamental design for a music stand or similar article, substantially as shown.

166,034
LIGHTING FIXTURE FOR SIGNS
George Walter Gray, Dallas, Tex., assignor to McMath-Axilrod Corporation, Dallas, Tex., a corporation of Texas
Application January 5, 1951, Serial No. 13,686
Term of patent 14 years
(Cl. D48—23)



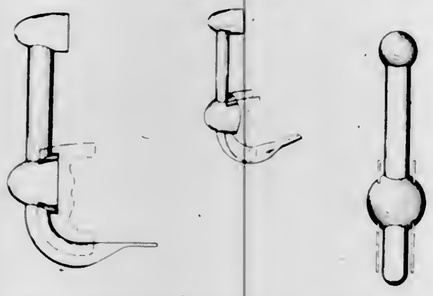
The ornamental design for a lighting fixture for signs, as shown.

166,035
CHILD'S ROCKING CHAIR
Bertis F. Hamilton, Columbus, Ind.
Application December 11, 1950, Serial No. 13,368
Term of patent 14 years
(Cl. D15—6)



The ornamental design for a child's rocking chair, as shown.

166,036
AUTOMOBILE GRILLE GUARD
Howard M. Jenkins, Jr., Detroit, Mich., assignor to Montgomery Steel Products, Birdsboro, Pa., a corporation of Delaware
Application February 9, 1951, Serial No. 14,157
Term of patent 14 years
(Cl. D14—6)



The ornamental design for an automobile grille guard, as shown and described.

166,037
INFORMAL CARD OR THE LIKE
Eugenie J. Jones, Webster Groves, Mo.
Application February 15, 1951, Serial No. I4,221
Term of patent 14 years
(Cl. D59—2)



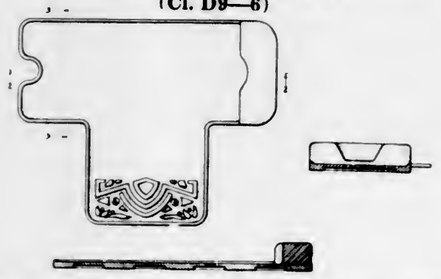
The ornamental design for an informal card or the like, substantially as shown and described.

166,038
GREETING CARD OR THE LIKE
Eugenie J. Jones, Webster Groves, Mo.
Application February 15, 1951, Serial No. 14,224
Term of patent 14 years
(Cl. D59—2)



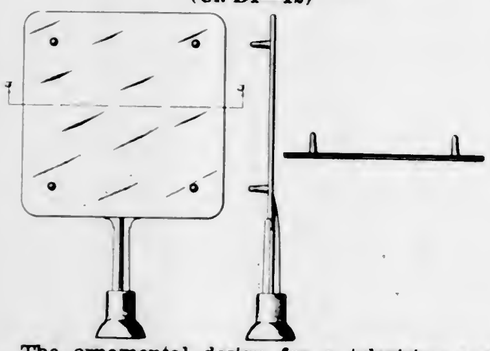
The ornamental design for a greeting card or the like, substantially as shown and described.

166,039
BATHTUB SAFETY MAT
Herman Langensiepen, Los Angeles, Calif.
Application June 6, 1951, Serial No. 15,439
Term of patent 14 years
(Cl. D9—6)



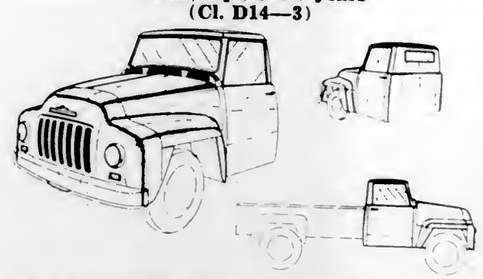
The ornamental design for a bathtub safety mat, as shown.

166,040
TELEVISION AND RADIO PROGRAM HOLDER
Earl A. La Plante, Boston, Mass.
Application June 28, 1950, Serial No. 10,809
Term of patent 14 years
(Cl. D1—12)



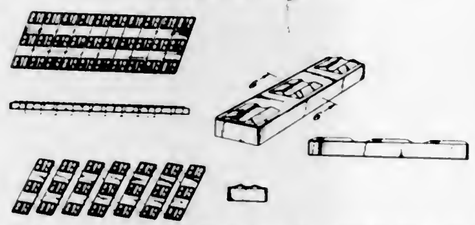
The ornamental design for a television and radio program holder, substantially as shown.

166,041
VEHICLE CAB
Fred A. Lee, Fort Wayne, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application December 22, 1950, Serial No. 13,542
Term of patent 7 years
(Cl. D14—3)



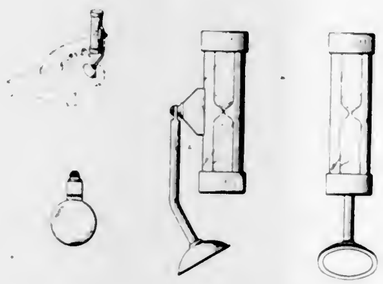
The ornamental design for a vehicle cab, substantially as shown and described.

166,042
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Samuel Meyerson, Brooklyn, N. Y.
Application May 4, 1951, Serial No. 15,064
Term of patent 14 years
(Cl. D45—4)



The ornamental design for an expansible link chain for a bracelet or the like, as shown and described.

166,043
LAPSED TIME TELEPHONE ATTACHMENT
Gordon B. Miller, Glendale, Ohio, assignor to Gordon B. Miller & Co., Cincinnati, Ohio, a corporation of Ohio
Application November 18, 1949, Serial No. 6,135
Term of patent 14 years
(Cl. D26—14)



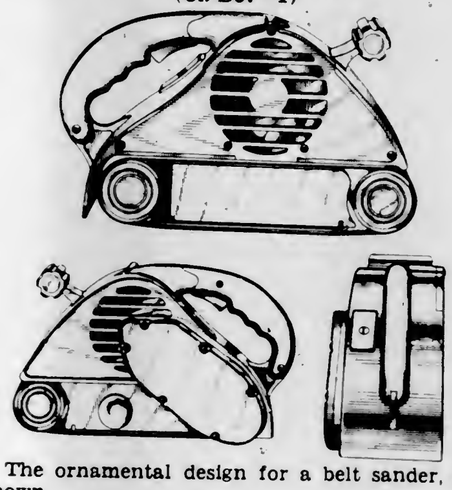
The ornamental design for a lapsed time telephone attachment, substantially as shown and described.

166,044
BUCKLE
Victor Milstein, New York, N. Y.
Application November 3, 1951, Serial No. 17,269
Term of patent 14 years
(Cl. D17—9)



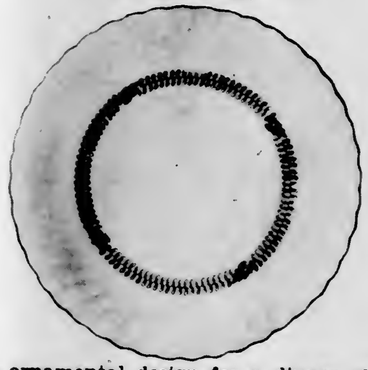
The ornamental design for a buckle, substantially as shown.

166,045
BELT SANDER
Fred Williams Moore, Greenfield, Mass., assignor to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts
Application October 18, 1951, Serial No. 17,011
Term of patent 14 years
(Cl. D37—1)



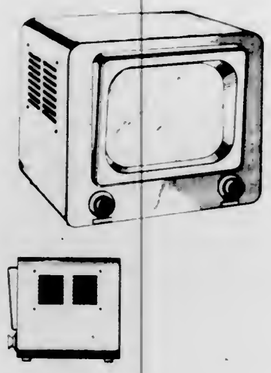
The ornamental design for a belt sander, as shown.

166,046
DINNER PLATE OR SIMILAR ARTICLE
Edward M. Otis, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application March 8, 1951, Serial No. 14,420
Term of patent 14 years
(Cl. D44—15)



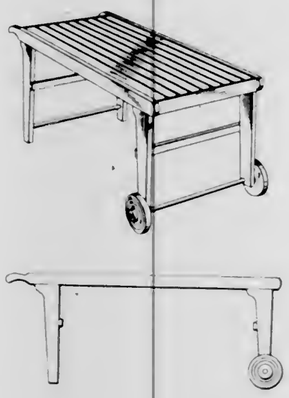
The ornamental design for a dinner plate or similar article, as shown and described.

166,047
CABINET FOR TELEVISION RECEIVING SET
Joseph D. Portanova, Los Angeles, Calif., assignor to Hoffman Radio Corporation, Los Angeles, Calif., a corporation of California
Application April 18, 1950, Serial No. 9,305
Term of patent 3½ years
(Cl. D56—4)



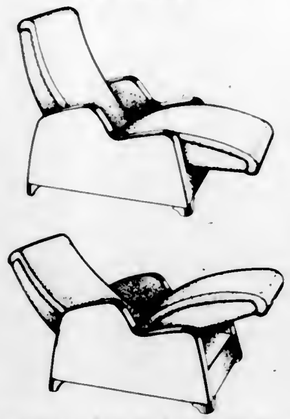
The ornamental design for a cabinet for television receiving set, as shown and described.

166,048
PORTABLE LAWN TABLE
Robert M. Rink, Goshen, Ind., assignor to The Goshen Manufacturing Company, Goshen, Ind., a corporation of Indiana
Application December 14, 1949, Serial No. 6,623
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a portable lawn table, as shown and described.

166,049
CHAIR
Louis Elliott Rudin, Chicago, and Richard S. Schwartz, Glencoe, Ill., assignors to Spiegel, Inc., a corporation of Delaware
Application October 13, 1950, Serial No. 12,558
Term of patent 7 years
(Cl. D15—8)



The ornamental design for a chair, as shown and described.

166,050
MASSAGER
Oscar N. Sandholm, Denver, Colo.
Application September 15, 1951, Serial No. 16,646
Term of patent 14 years
(Cl. D83—1)



The ornamental design for a massager, as shown.

166,051
PUPPET DOLL
Leba C. Secter, Winnipeg, Manitoba, Canada
Application June 21, 1951, Serial No. 15,618
Term of patent 14 years
(Cl. D34—2)



The ornamental design for a puppet doll, as shown.

166,052
BOTTLE
Frasier Smith, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application October 31, 1951, Serial No. 17,179
Term of patent 7 years
(Cl. D58—6)



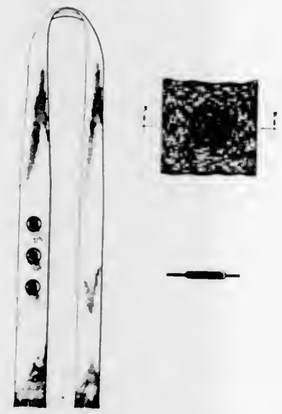
The ornamental design for a bottle, as shown.

166,053
COMBINED SLIPPER AND SOCK
Louis M. Spack, Englewood, N. J., assignor to Utilitron Incorporated, Hoboken, N. J., a corporation of New York
Application August 16, 1951, Serial No. 16,299
Term of patent 7 years
(Cl. D47—7)



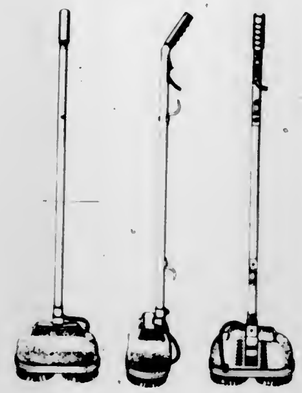
The ornamental design for a combined slipper and sock, as shown and described.

166,054
NECKTIE
Leonard Tarmon, Brooklyn, N. Y.
Application October 2, 1951, Serial No. 16,806
Term of patent 3½ years
(Cl. D3—16)



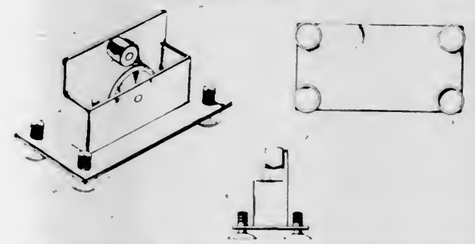
The ornamental design for a necktie, as shown.

166,055
FLOOR POLISHING MACHINE
Edward L. Verhagen, Rahway, N. J., assignor to The Regina Corporation, Rahway, N. J., a corporation of New York
Application November 1, 1950, Serial No. 12,799
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a floor polishing machine, substantially as shown.

166,056
ENVELOPE MOISTENER
John C. Vollmert, Pampa, Tex.
Application September 5, 1951, Serial No. 16,513
Term of patent 14 years
(Cl. D74—10)



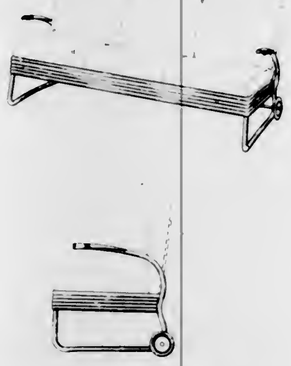
The ornamental design for an envelope moistener, as shown.

166,057
SERVING BOTTLE
Max A. Weisbrot, Chicago, Ill.
Application December 1, 1951, Serial No. 17,581
Term of patent 14 years
(Cl. D58—8)



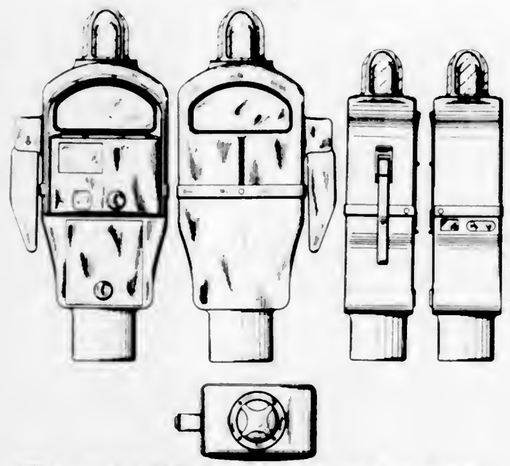
The ornamental design for a serving bottle, substantially as shown.

166,058
SETTEE
Richard D. Williams, Toledo, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application February 9, 1951, Serial No. 14,151
Term of patent 14 years
(Cl. D15—11)



The ornamental design for a settee, as shown and described.

166,059
PARKING METER
Adolph E. Yoss, Benton, Ill., assignor to James W. Menhall, Benton, Ill.
Application March 28, 1951, Serial No. 14,646
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a parking meter, substantially as shown.

ROLL NO 19

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